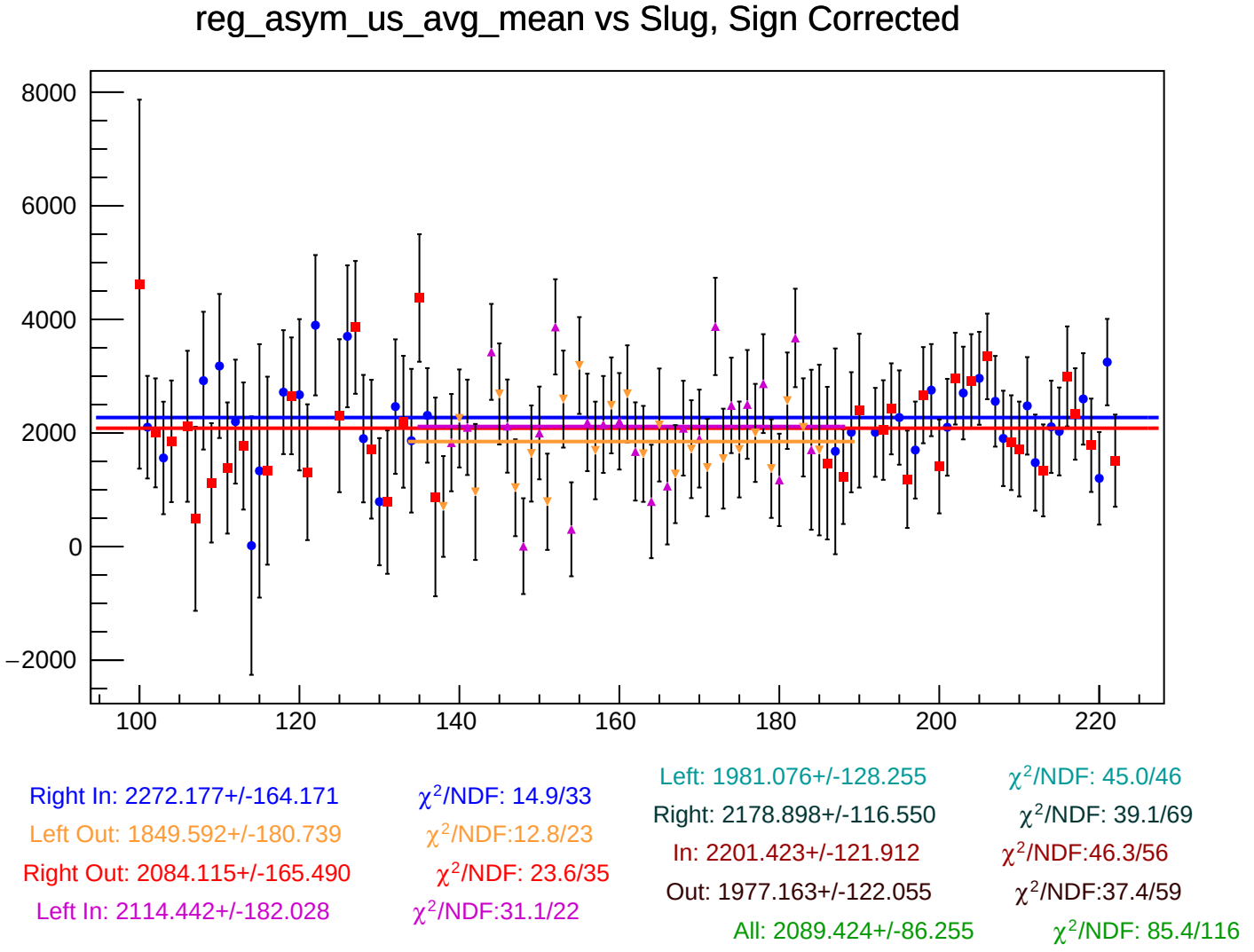
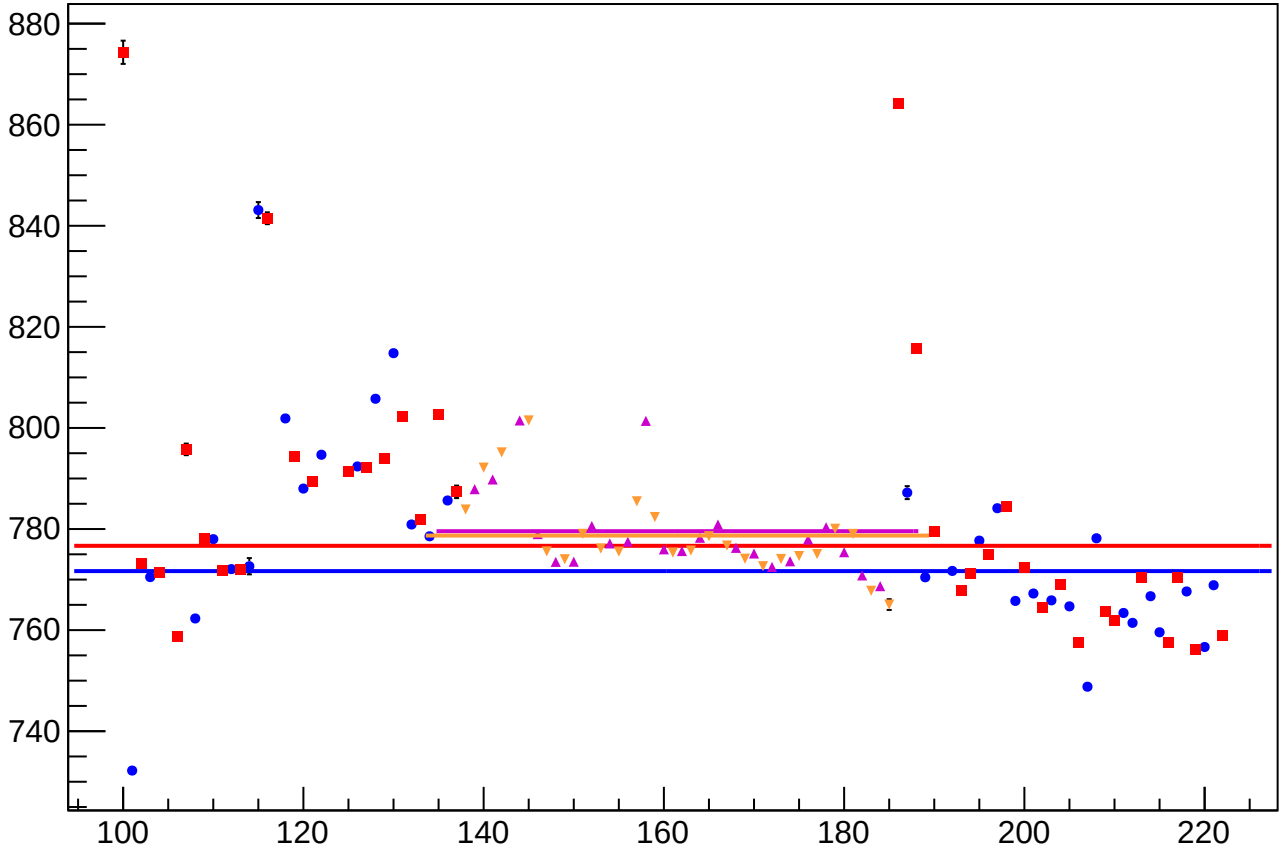

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2272.177+/-164.171
χ²/NDF: 14.9/33
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2084.115+/-165.490
χ²/NDF: 23.6/35
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2178.898+/-116.550
χ²/NDF: 39.1/69
In: 2201.423+/-121.912
χ²/NDF:46.3/56
Out: 1977.163+/-122.055
χ²/NDF:37.4/59
All: 2089.424+/-86.255
χ²/NDF: 85.4/116

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: 776.679+/-0.117 χ^2/NDF: 29312.2/35

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

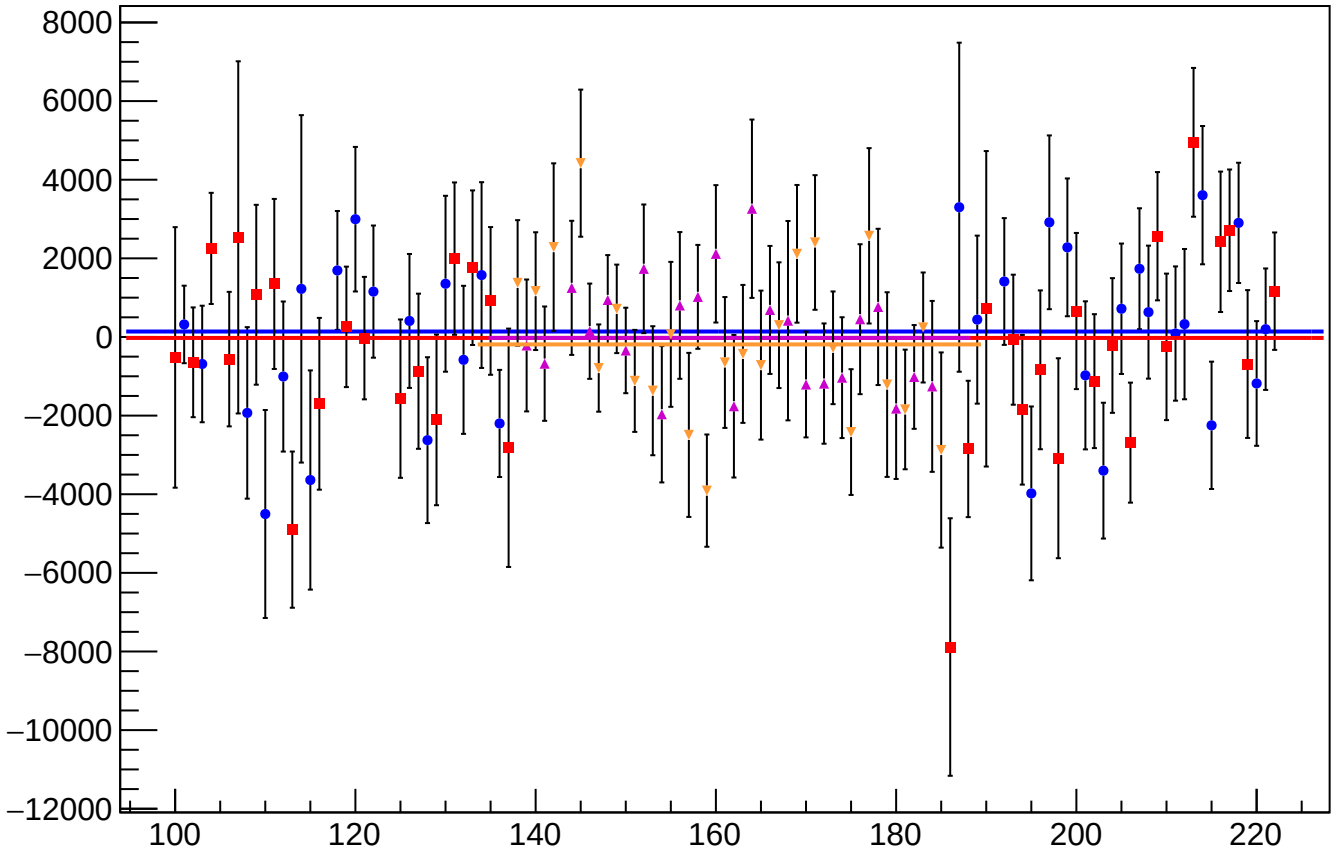
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.158+/-0.082 χ^2/NDF: 49558.2/69

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

Out: 777.605+/-0.086 χ^2/NDF:32839.1/59

All: 776.411+/-0.061 χ^2/NDF: 58795.4/116



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: -24.468+/-314.073 χ^2/NDF: 45.0/35

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

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

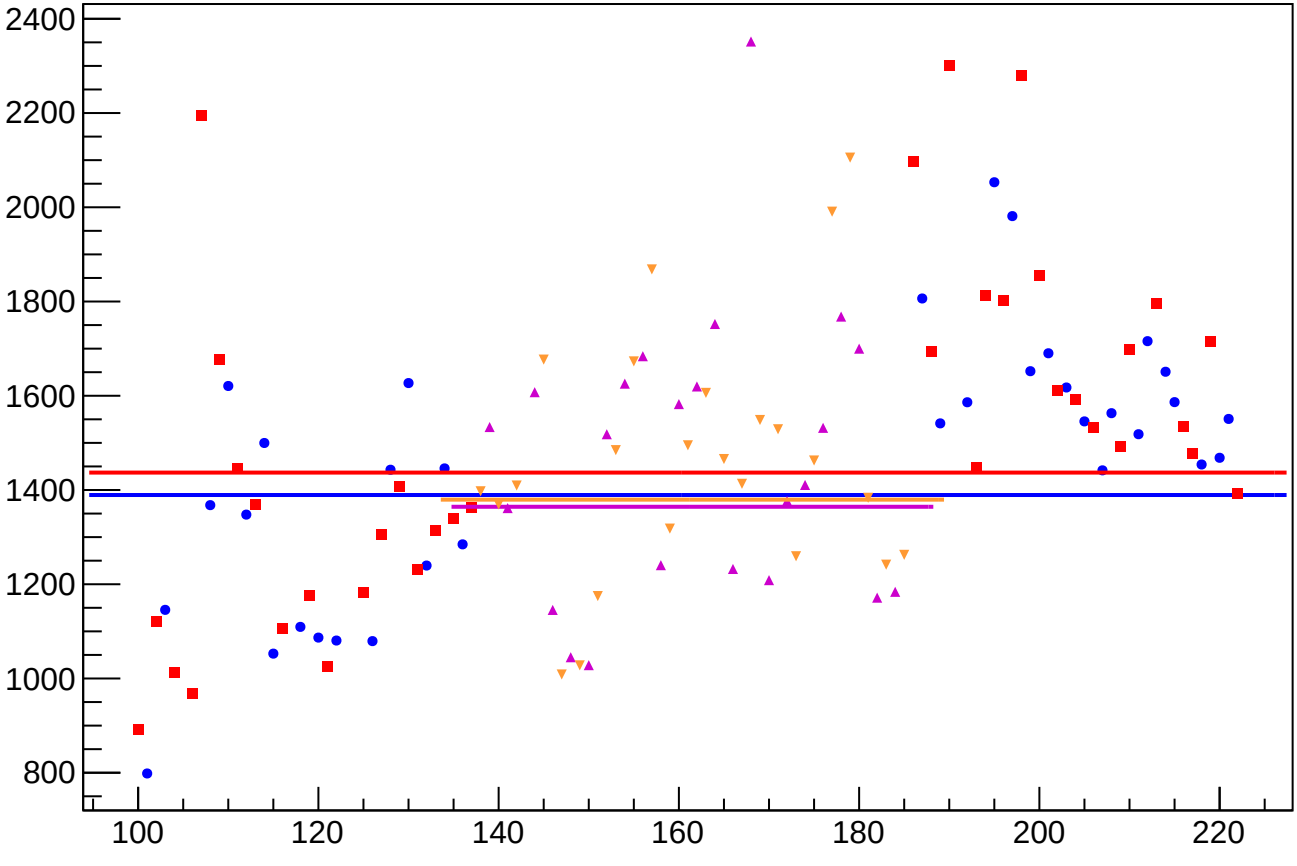
Right: 60.058+/-218.226 χ^2/NDF: 84.7/69

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -103.251+/-226.739 χ^2/NDF:74.7/59

All: -18.195+/-158.645 χ^2/NDF: 128.1/116

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1436.966+/-0.222 χ^2/NDF: 1772204.6/35

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

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

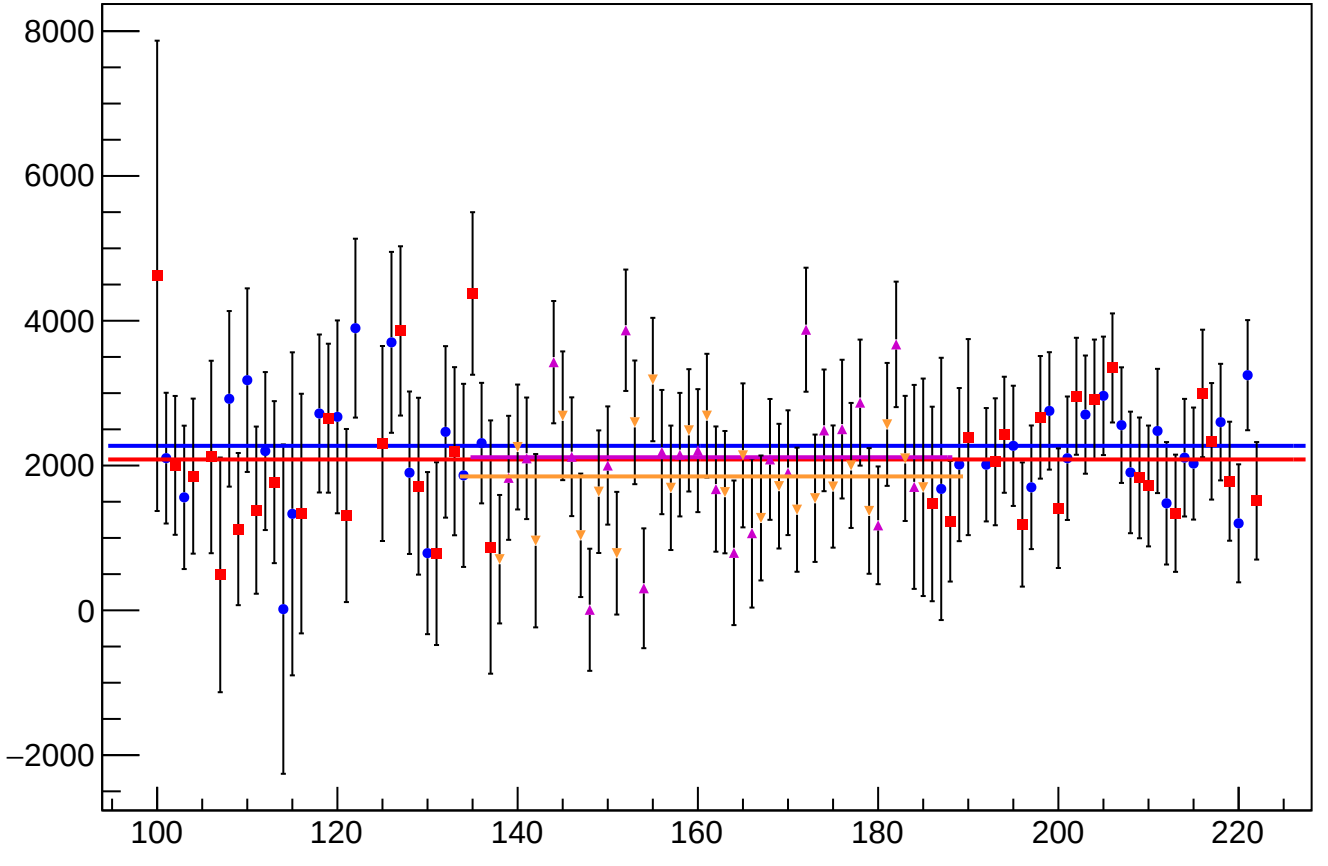
Right: 1412.350+/-0.154 χ^2/NDF: 3650814.4/69

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

Out: 1409.467+/-0.160 χ^2/NDF:2962692.0/59

All: 1393.292+/-0.112 χ^2/NDF: 6156075.5/11

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2084.115+/-165.490 χ^2/NDF: 23.6/35

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

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

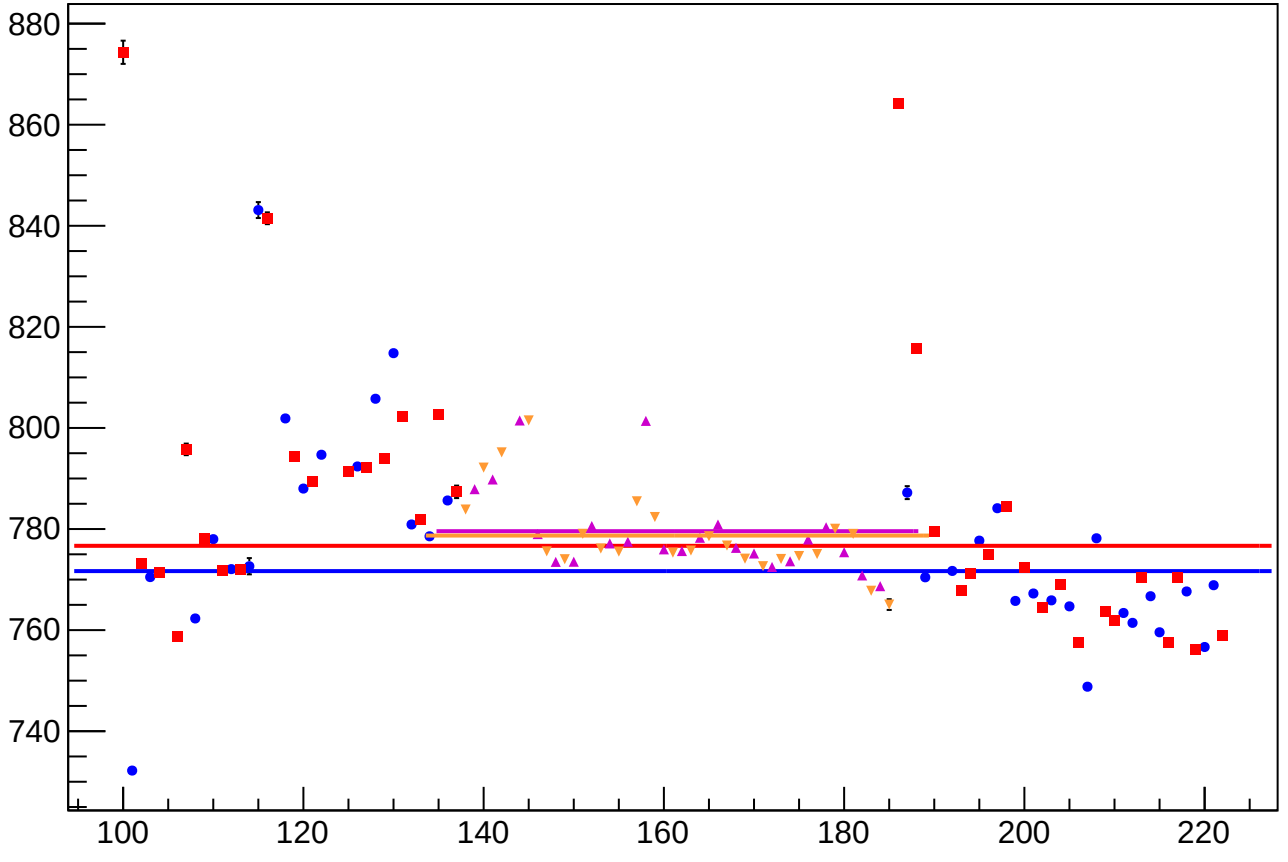
Right: 2178.898+/-116.550 χ^2/NDF: 39.1/69

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

Out: 1977.163+/-122.055 χ^2/NDF:37.4/59

All: 2089.424+/-86.255 χ^2/NDF: 85.4/116

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: 776.679+/-0.117 χ^2/NDF: 29312.2/35

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

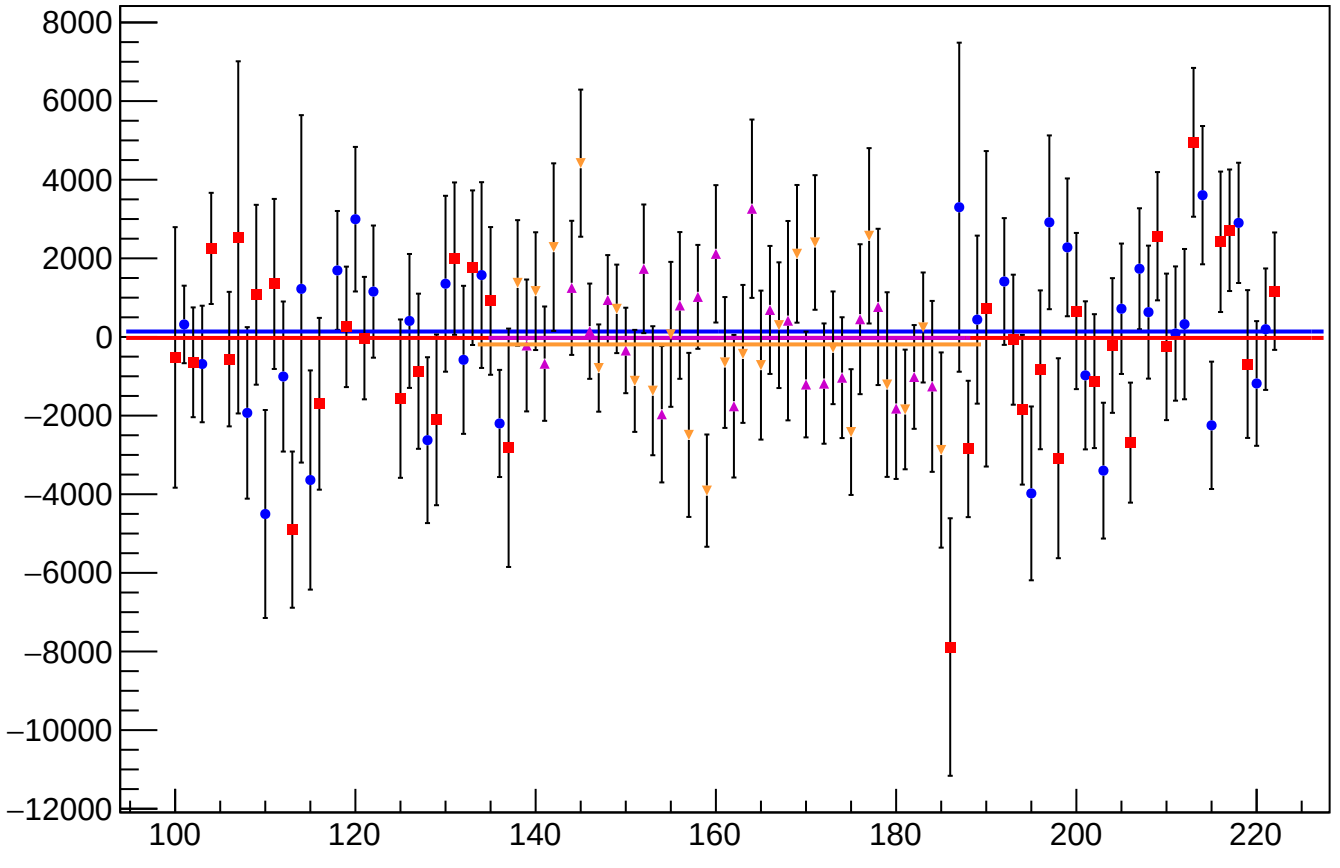
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.158+/-0.082 χ^2/NDF: 49558.2/69

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

Out: 777.605+/-0.086 χ^2/NDF:32839.1/59

All: 776.411+/-0.061 χ^2/NDF: 58795.4/116



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: -24.468+/-314.073 χ^2/NDF: 45.0/35

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

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

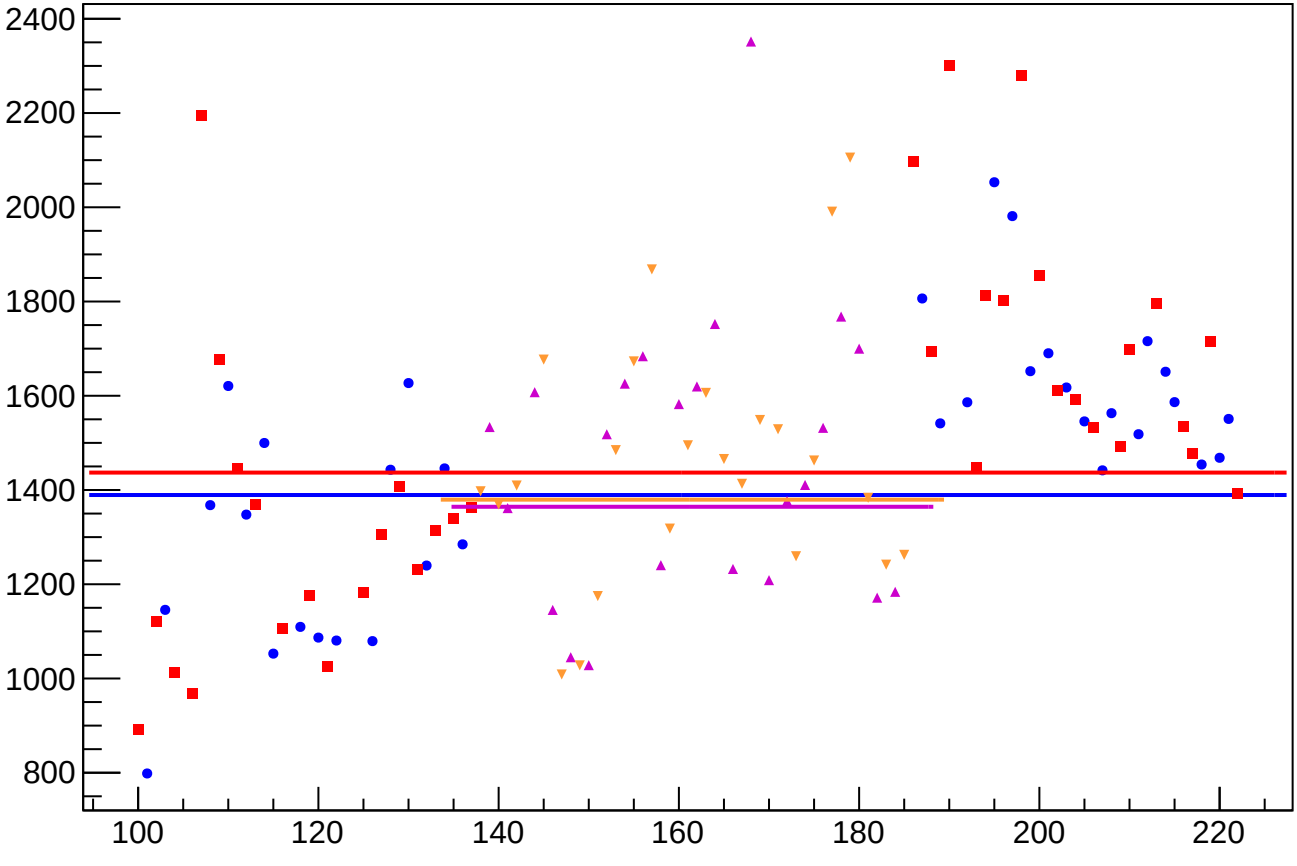
Right: 60.058+/-218.226 χ^2/NDF: 84.7/69

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -103.251+/-226.739 χ^2/NDF:74.7/59

All: -18.195+/-158.645 χ^2/NDF: 128.1/116

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1436.966+/-0.222 χ^2/NDF: 1772204.6/35

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

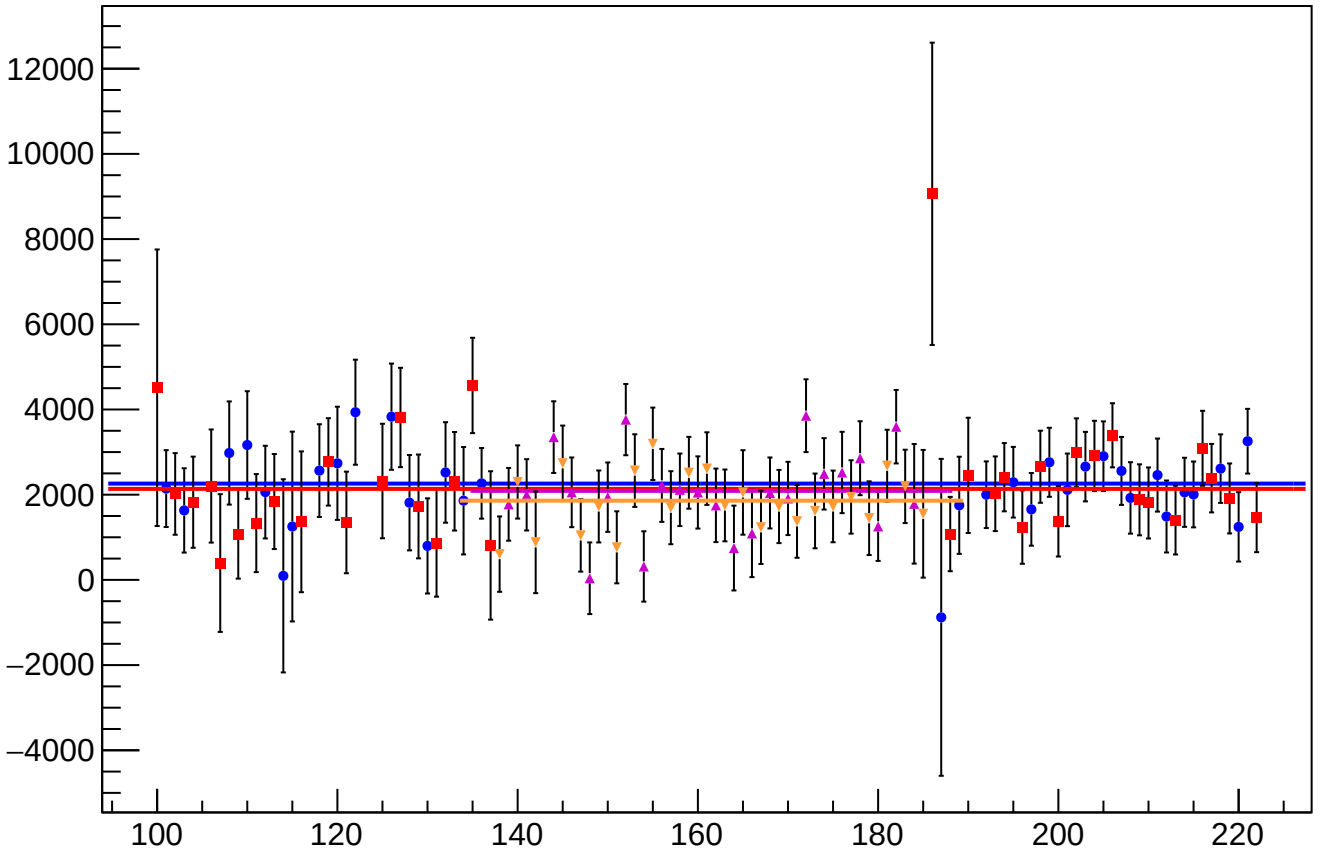
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1412.350+/-0.154 χ^2/NDF: 3650814.4/69

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

Out: 1409.467+/-0.160 χ^2/NDF:2962692.0/59

All: 1393.292+/-0.112 χ^2/NDF: 6156075.5/11



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

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

Right Out: 2136.137+/-166.665 χ^2/NDF: 28.6/35

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

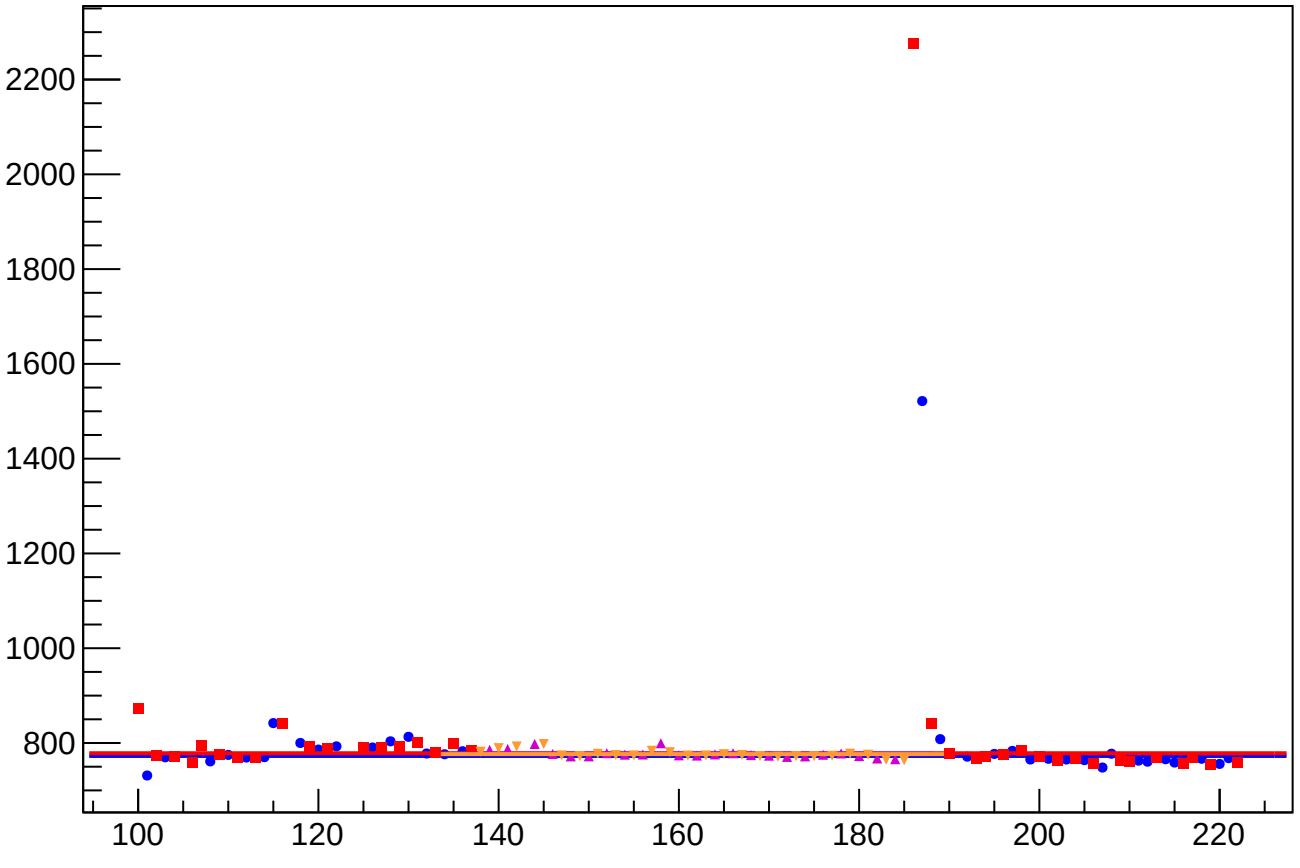
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2198.881+/-117.160 χ^2/NDF: 44.6/69

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

Out: 2008.633+/-122.365 χ^2/NDF:43.4/59

All: 2096.132+/-86.392 χ^2/NDF: 90.3/116



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: 778.406+/-0.118 χ^2/NDF: 384099.4/35

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

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

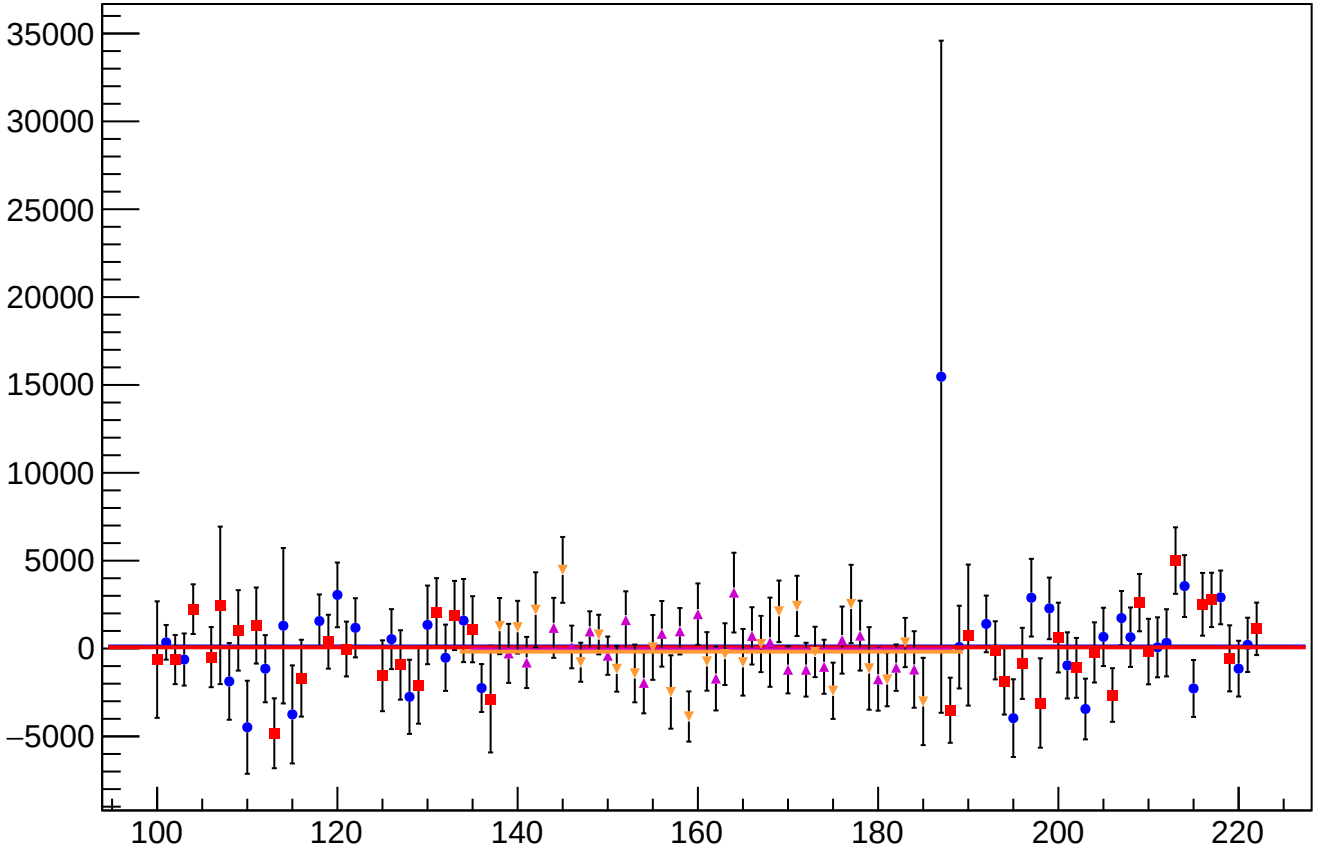
Right: 775.524+/-0.083 χ^2/NDF: 486998.9/69

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

Out: 777.538+/-0.087 χ^2/NDF:387354.2/59

All: 776.181+/-0.061 χ^2/NDF: 494360.3/116

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: 69.783+/-316.353 χ^2/NDF: 40.4/34

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

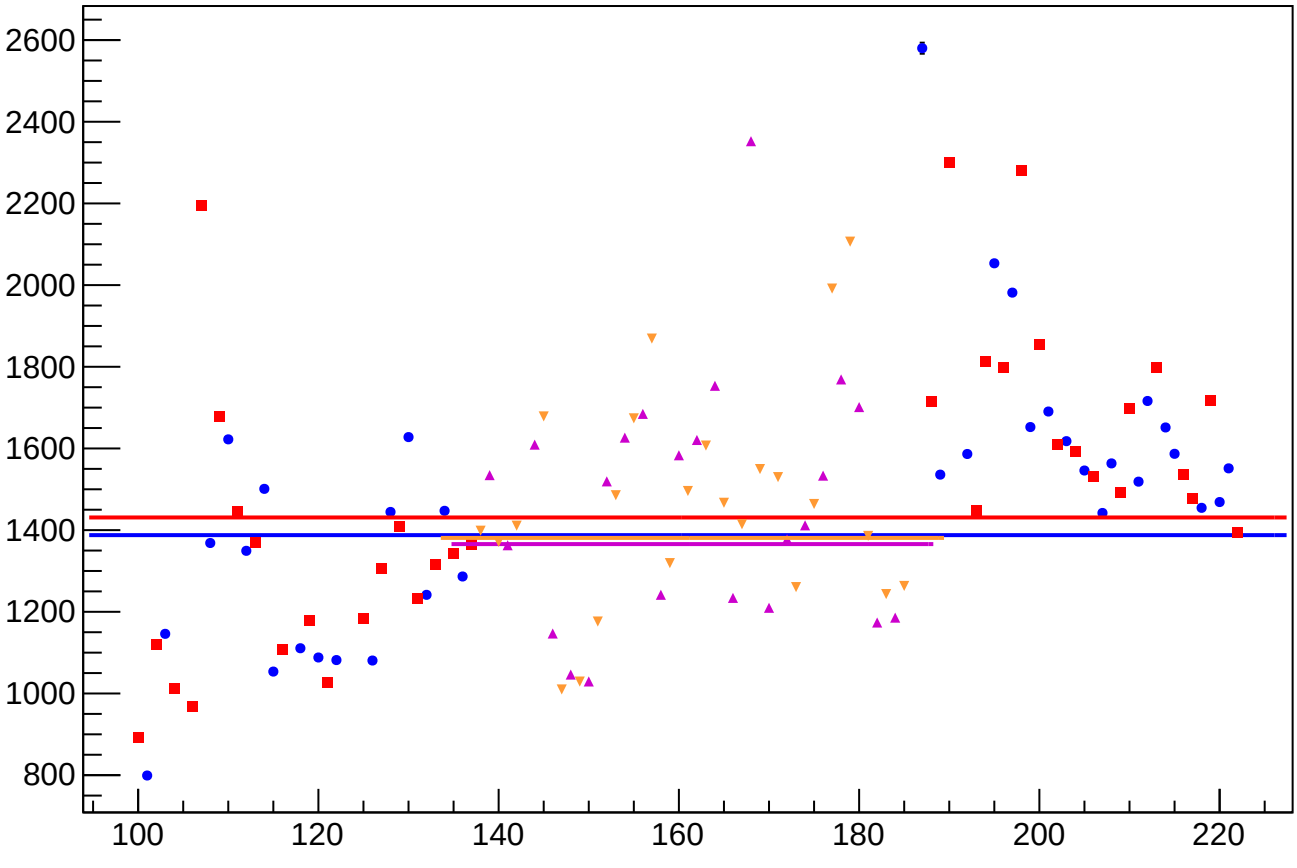
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: 93.878+/-219.544 χ^2/NDF: 80.2/68

In: 37.395+/-222.733 χ^2/NDF:52.9/56

Out: -48.156+/-227.698 χ^2/NDF:70.3/58

All: -4.437+/-159.222 χ^2/NDF: 123.3/115



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: 1431.024+/-0.224 χ^2/NDF: 1684339.4/34

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

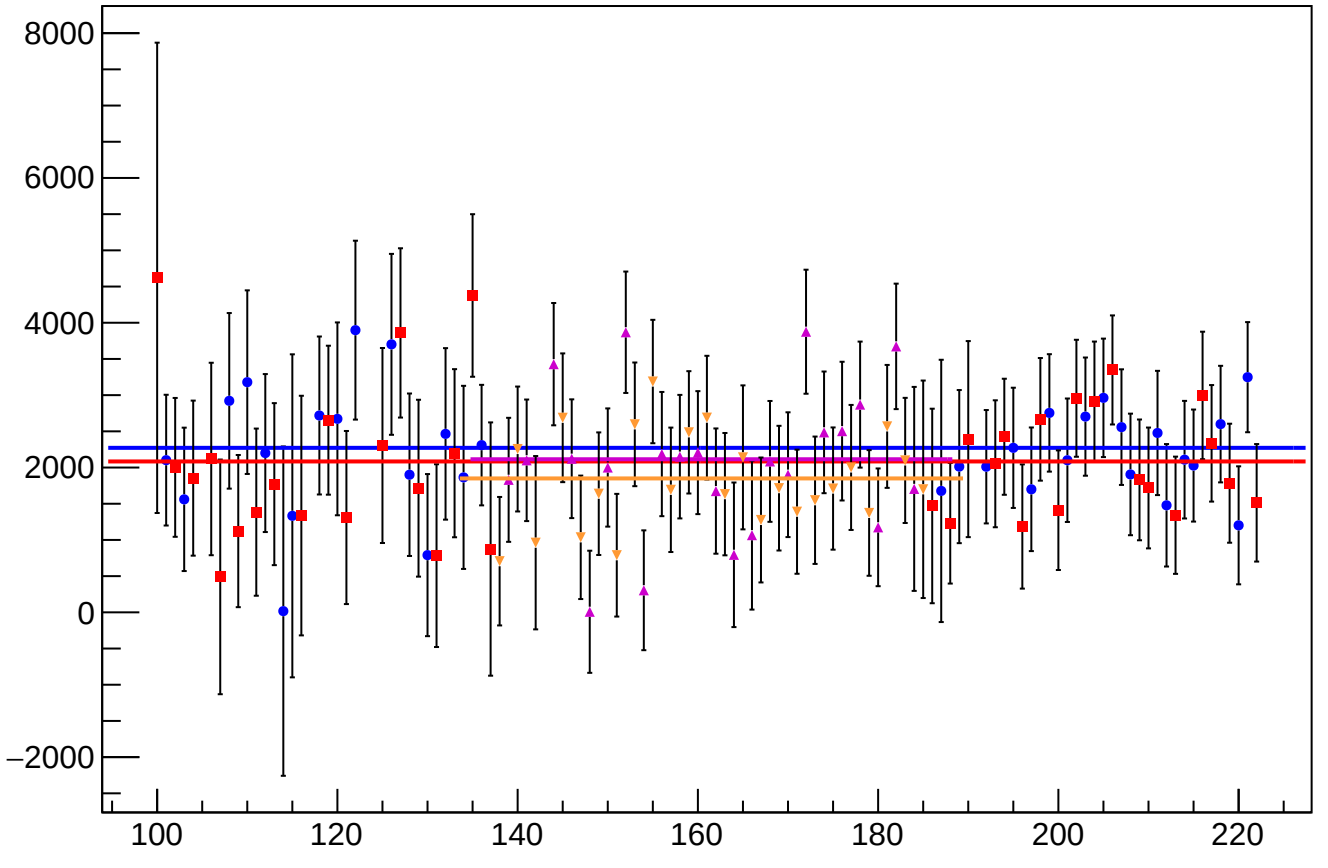
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1408.594+/-0.155 χ^2/NDF: 3538606.9/68

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

Out: 1406.892+/-0.161 χ^2/NDF:2863924.0/58

All: 1391.882+/-0.113 χ^2/NDF: 6029498.0/11



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: 2084.115+/-165.490 χ^2/NDF: 23.6/35

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

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

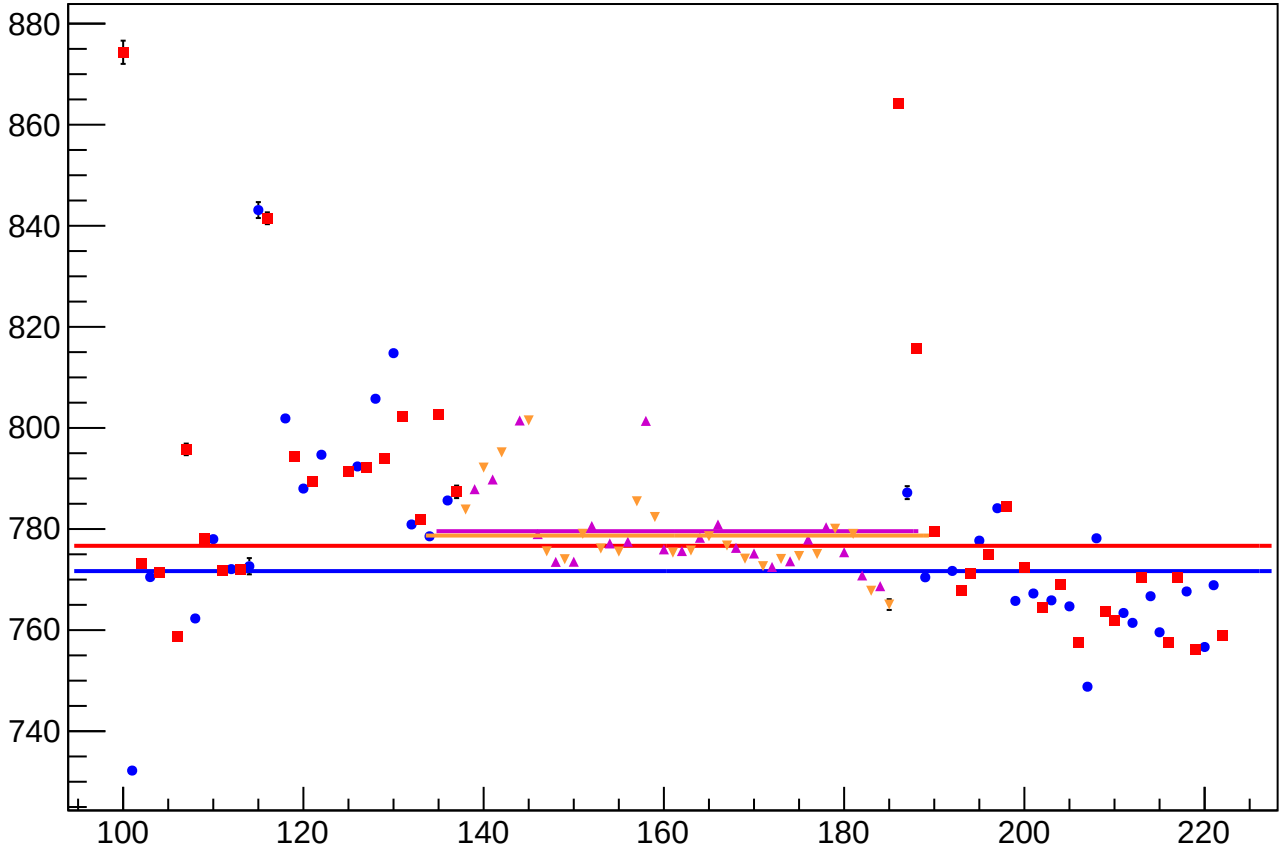
Right: 2178.898+/-116.550 χ^2/NDF: 39.1/69

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

Out: 1977.163+/-122.055 χ^2/NDF:37.4/59

All: 2089.424+/-86.255 χ^2/NDF: 85.4/116

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: 776.679+/-0.117 χ^2/NDF: 29312.2/35

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

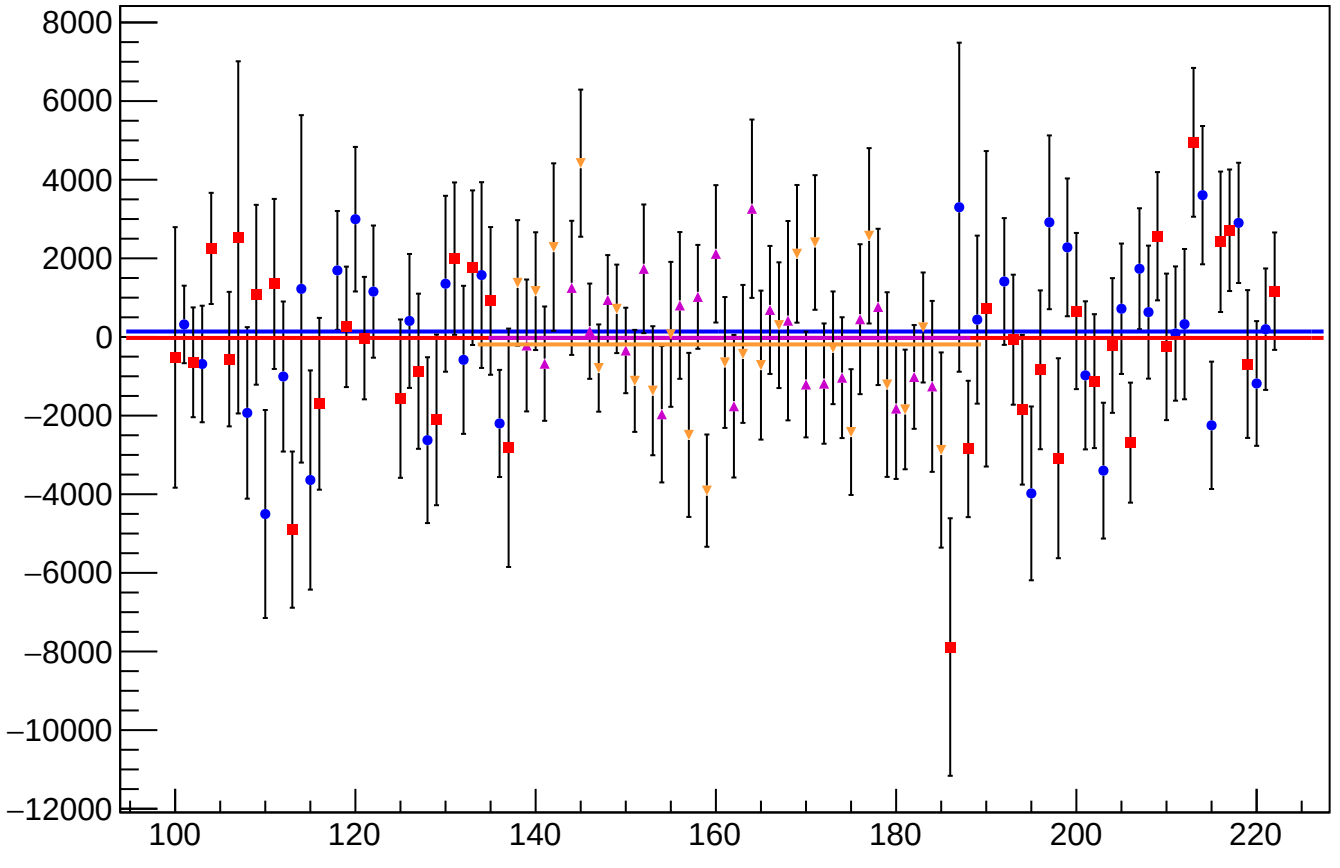
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.158+/-0.082 χ^2/NDF: 49558.2/69

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

Out: 777.605+/-0.086 χ^2/NDF:32839.1/59

All: 776.411+/-0.061 χ^2/NDF: 58795.4/116



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: -24.468+/-314.073 χ^2/NDF: 45.0/35

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

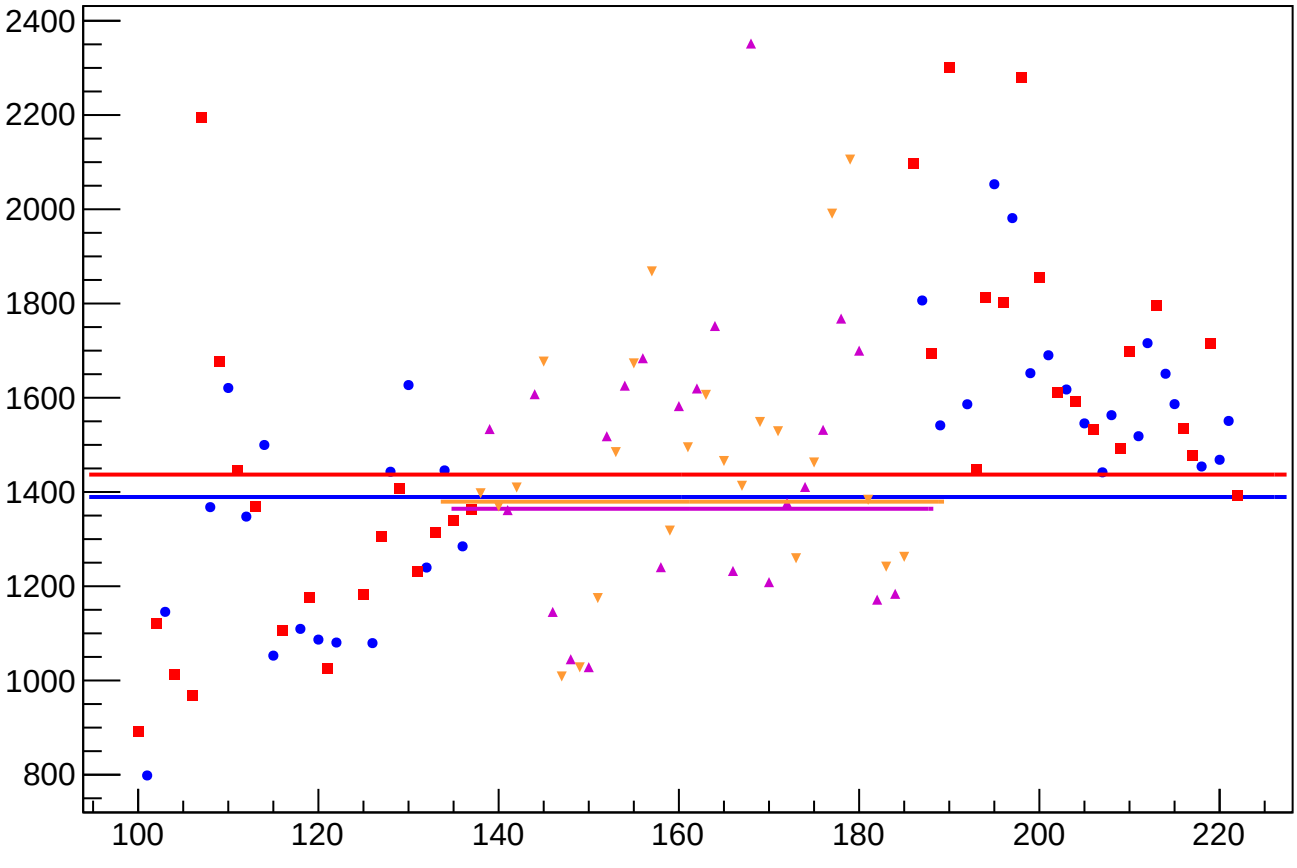
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 60.058+/-218.226 χ^2/NDF: 84.7/69

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -103.251+/-226.739 χ^2/NDF:74.7/59

All: -18.195+/-158.645 χ^2/NDF: 128.1/116



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: 1436.966+/-0.222 χ^2/NDF: 1772204.6/35

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

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

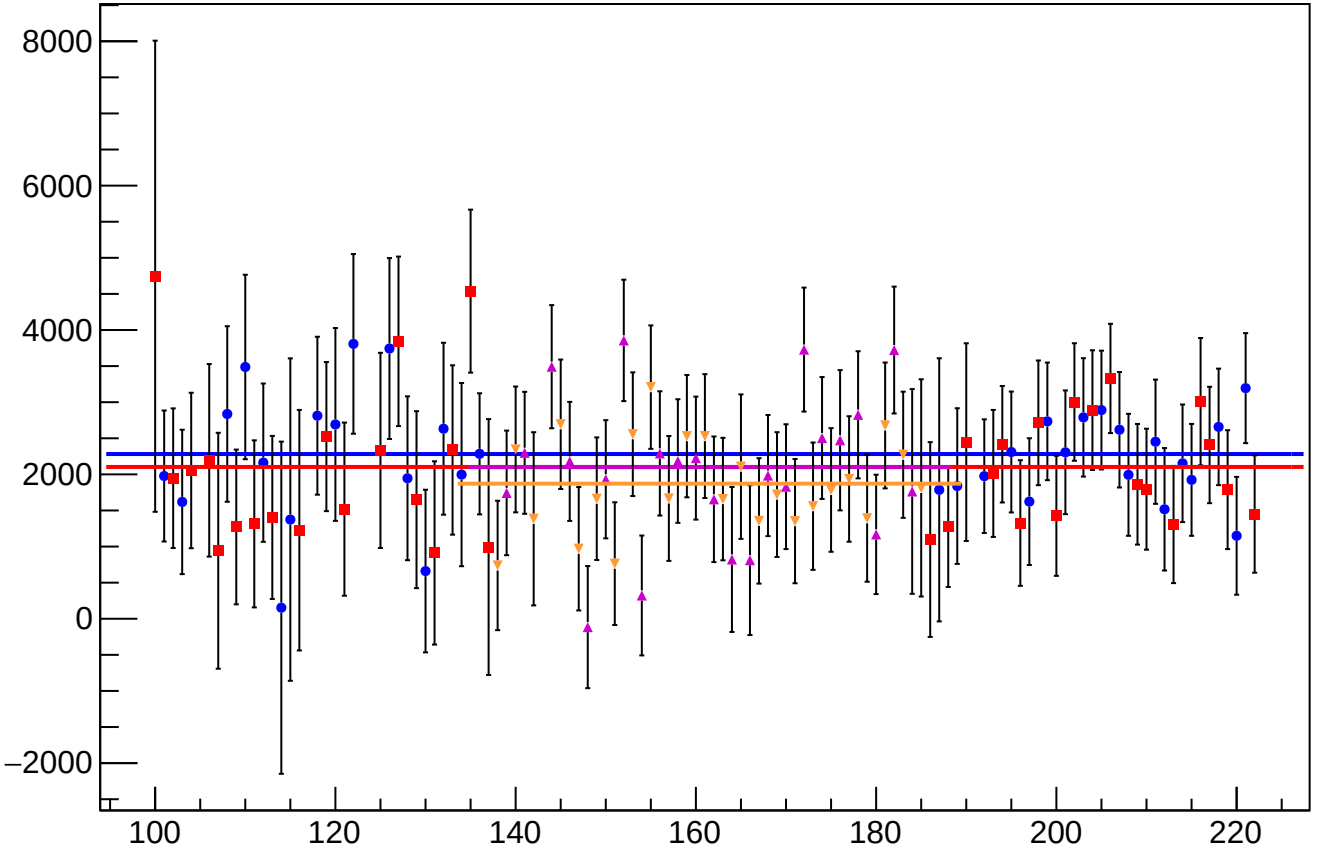
Right: 1412.350+/-0.154 χ^2/NDF: 3650814.4/69

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

Out: 1409.467+/-0.160 χ^2/NDF:2962692.0/59

All: 1393.292+/-0.112 χ^2/NDF: 6156075.5/11

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2102.970+/-166.451 χ^2/NDF: 23.3/35

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

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

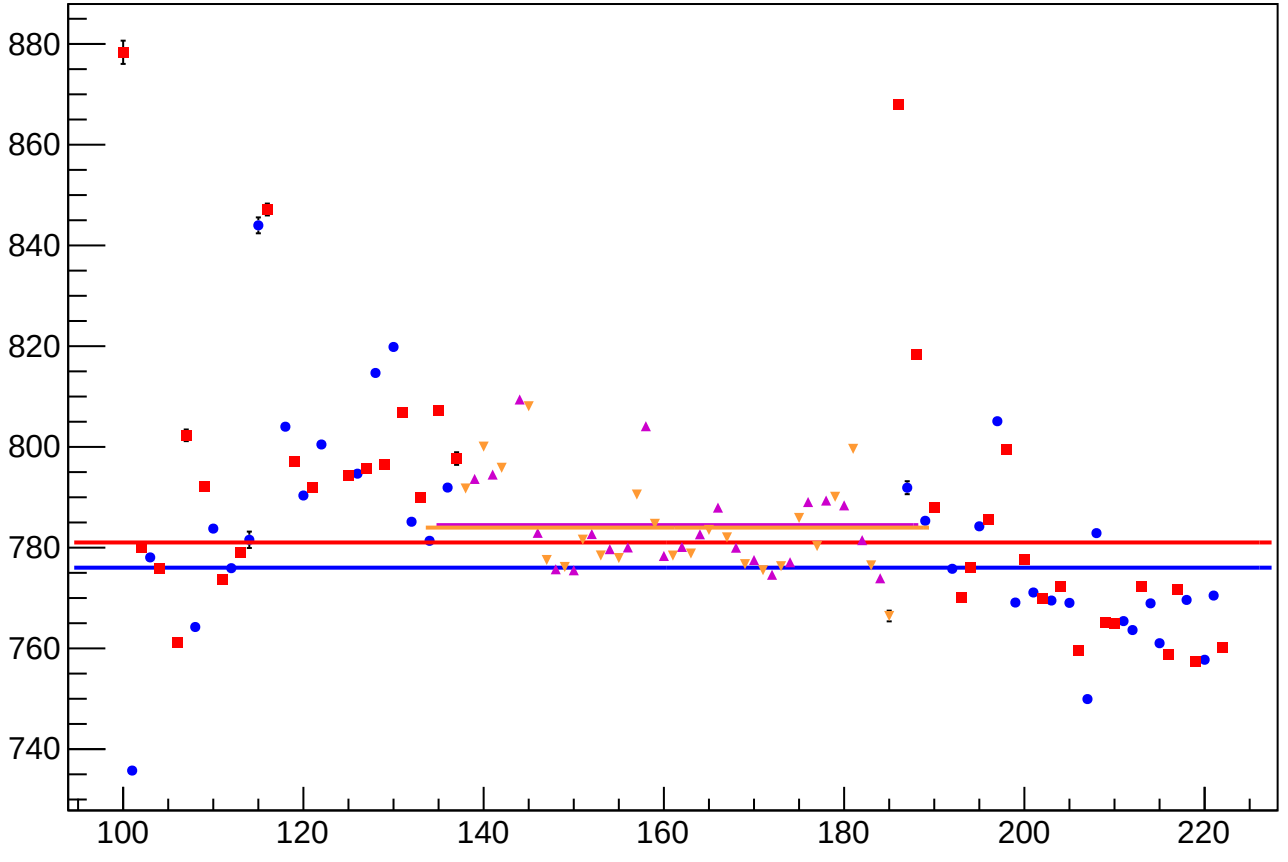
Right: 2193.119+/-117.225 χ^2/NDF: 39.2/69

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

Out: 1997.509+/-122.821 χ^2/NDF:36.6/59

All: 2099.294+/-86.786 χ^2/NDF: 85.6/116

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: 781.030+/-0.118 χ^2/NDF: 31887.0/35

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

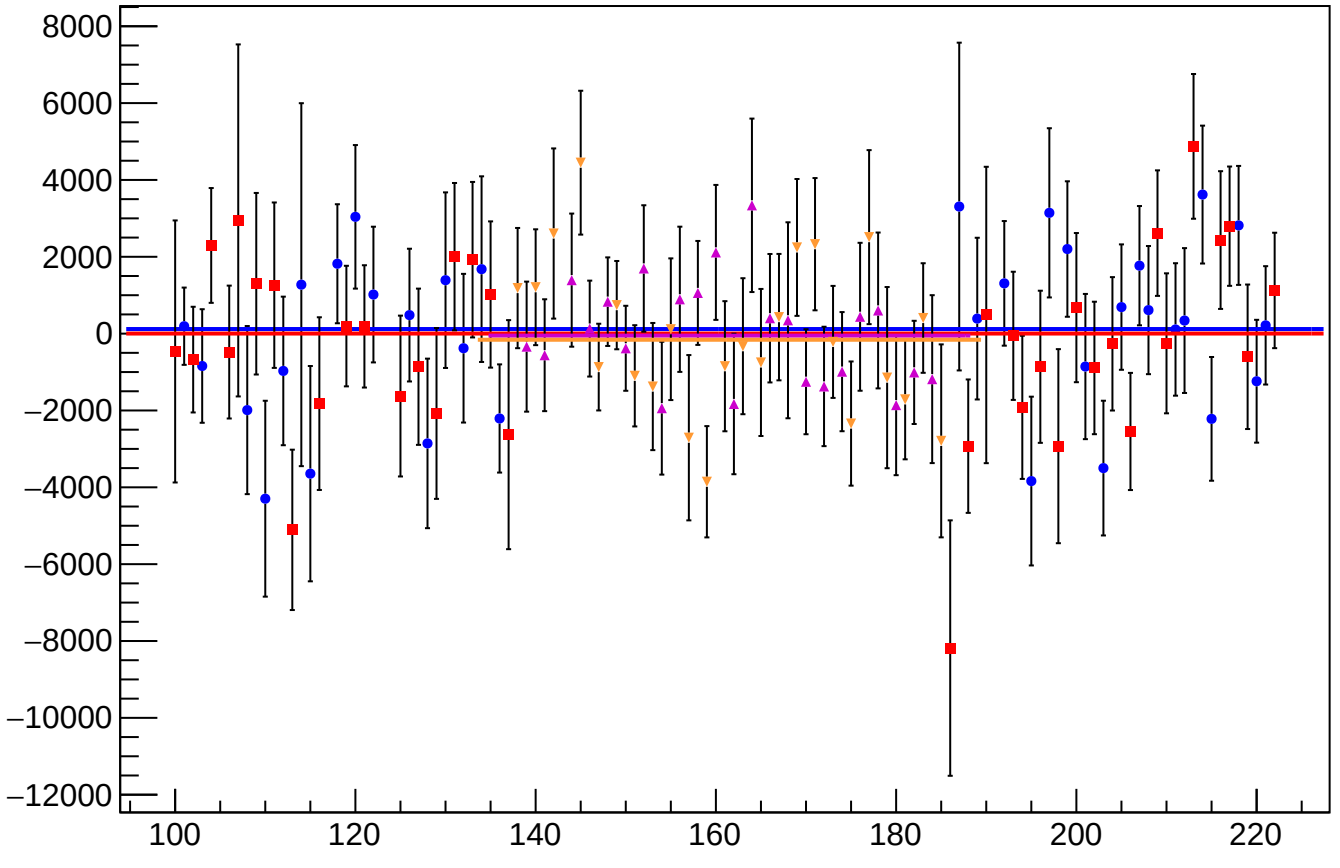
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.509+/-0.083 χ^2/NDF: 56138.8/69

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

Out: 782.375+/-0.087 χ^2/NDF:37101.5/59

All: 781.092+/-0.061 χ^2/NDF: 68151.4/116



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: 2.383+/-316.735 χ^2/NDF: 44.9/35

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

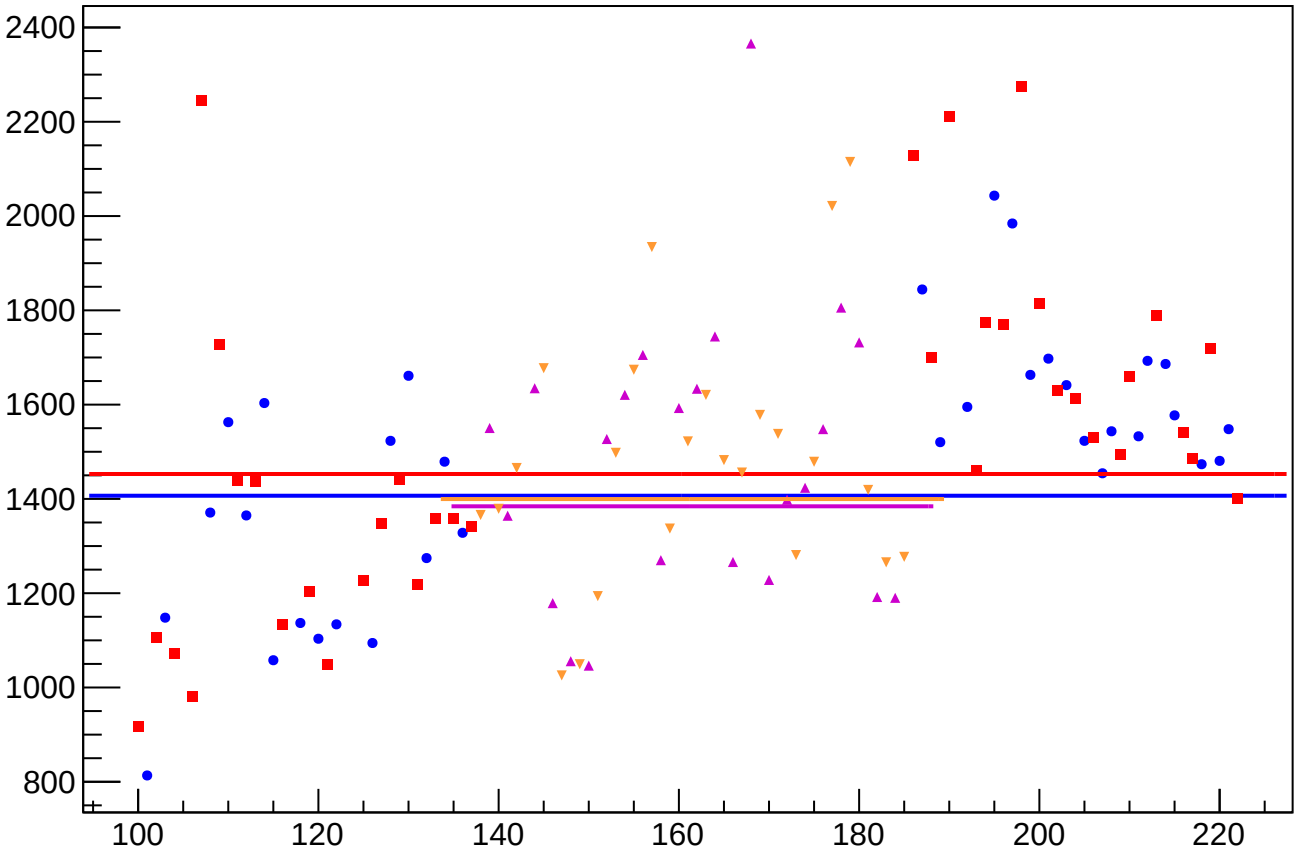
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: 63.100+/-220.260 χ^2/NDF: 84.0/69

In: 40.382+/-224.644 χ^2/NDF:52.6/56

Out: -74.598+/-229.235 χ^2/NDF:74.1/59

All: -15.945+/-160.446 χ^2/NDF: 126.9/116



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: 1452.850+/-0.224 χ^2/NDF: 1607336.3/35

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

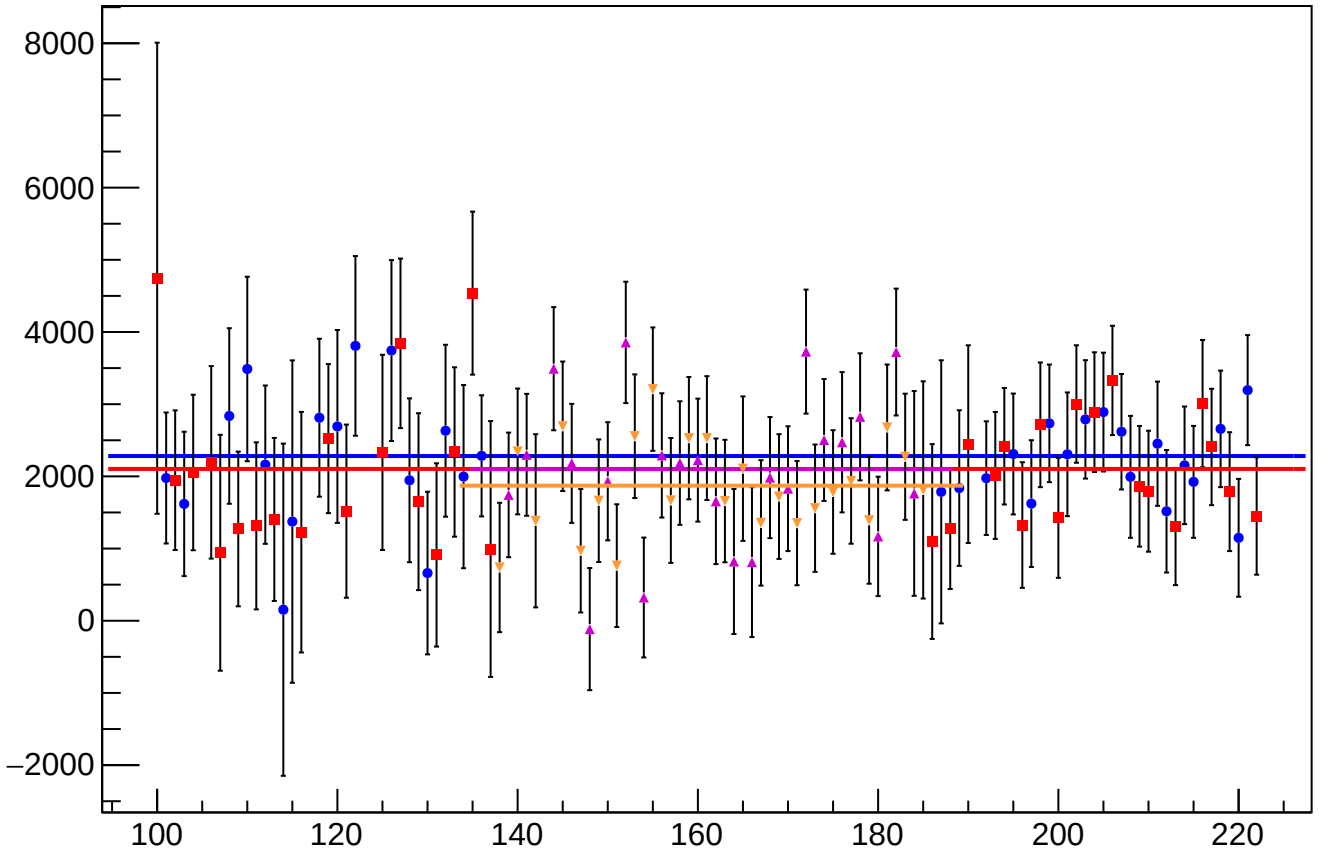
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1429.045+/-0.156 χ^2/NDF: 3367632.6/69

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

Out: 1427.548+/-0.162 χ^2/NDF:2770488.1/59

All: 1411.647+/-0.113 χ^2/NDF: 5802662.0/11



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: 2102.972+/-166.451 χ^2/NDF: 23.3/35

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

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

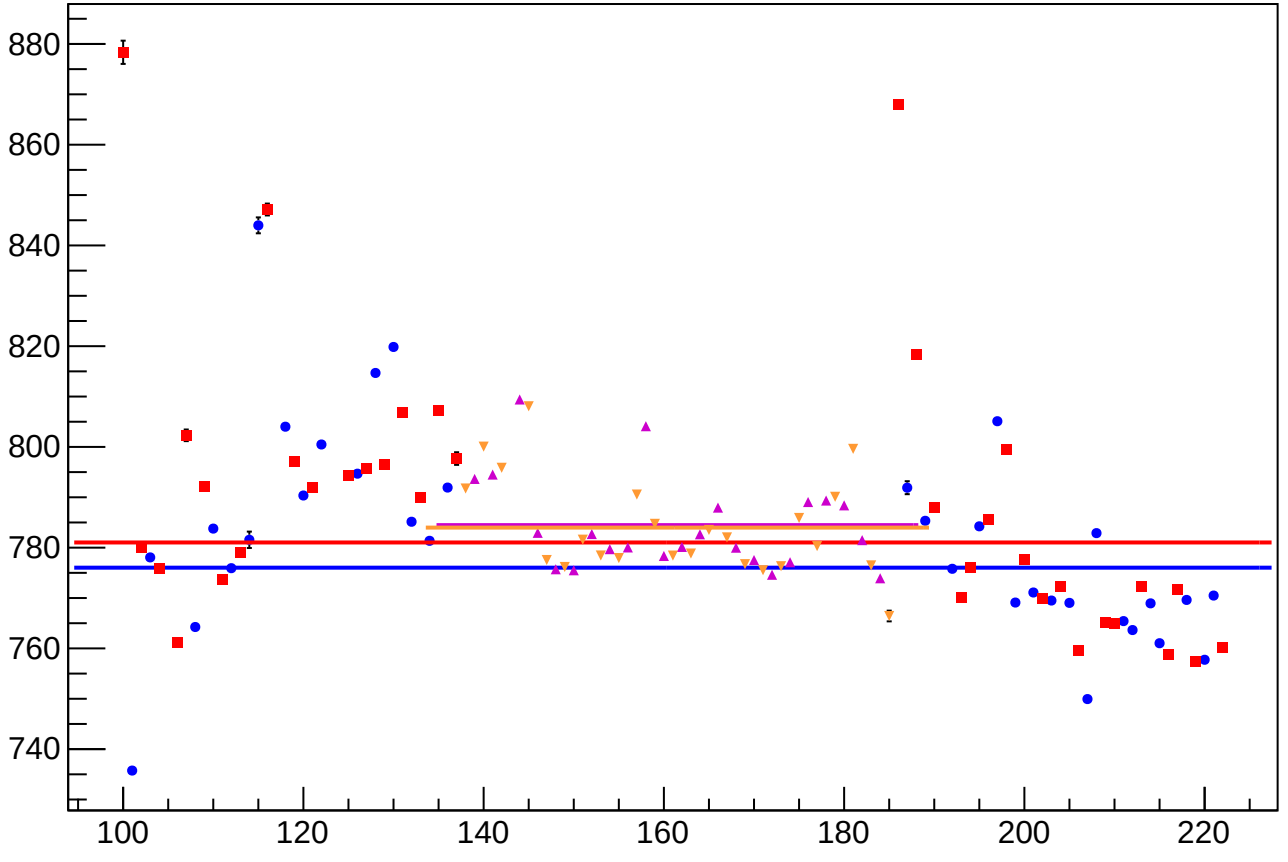
Right: 2193.120+/-117.225 χ^2/NDF: 39.2/69

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

Out: 1997.509+/-122.821 χ^2/NDF:36.6/59

All: 2099.294+/-86.786 χ^2/NDF: 85.6/116

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: 781.030+/-0.118 χ^2/NDF: 31886.9/35

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

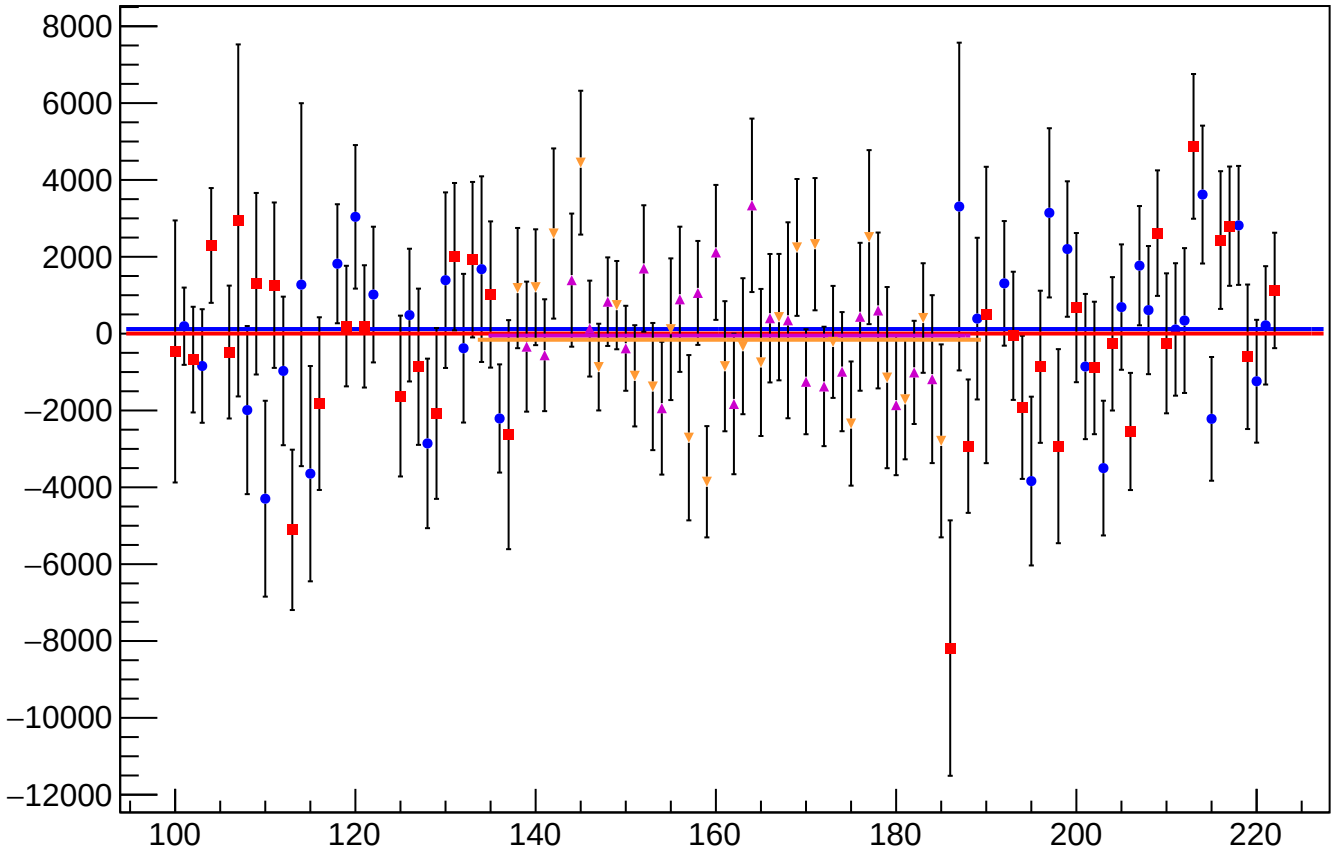
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.508+/-0.083 χ^2/NDF: 56138.6/69

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

Out: 782.375+/-0.087 χ^2/NDF:37101.4/59

All: 781.092+/-0.061 χ^2/NDF: 68151.2/116



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: 2.385+/-316.735 χ^2/NDF: 44.9/35

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

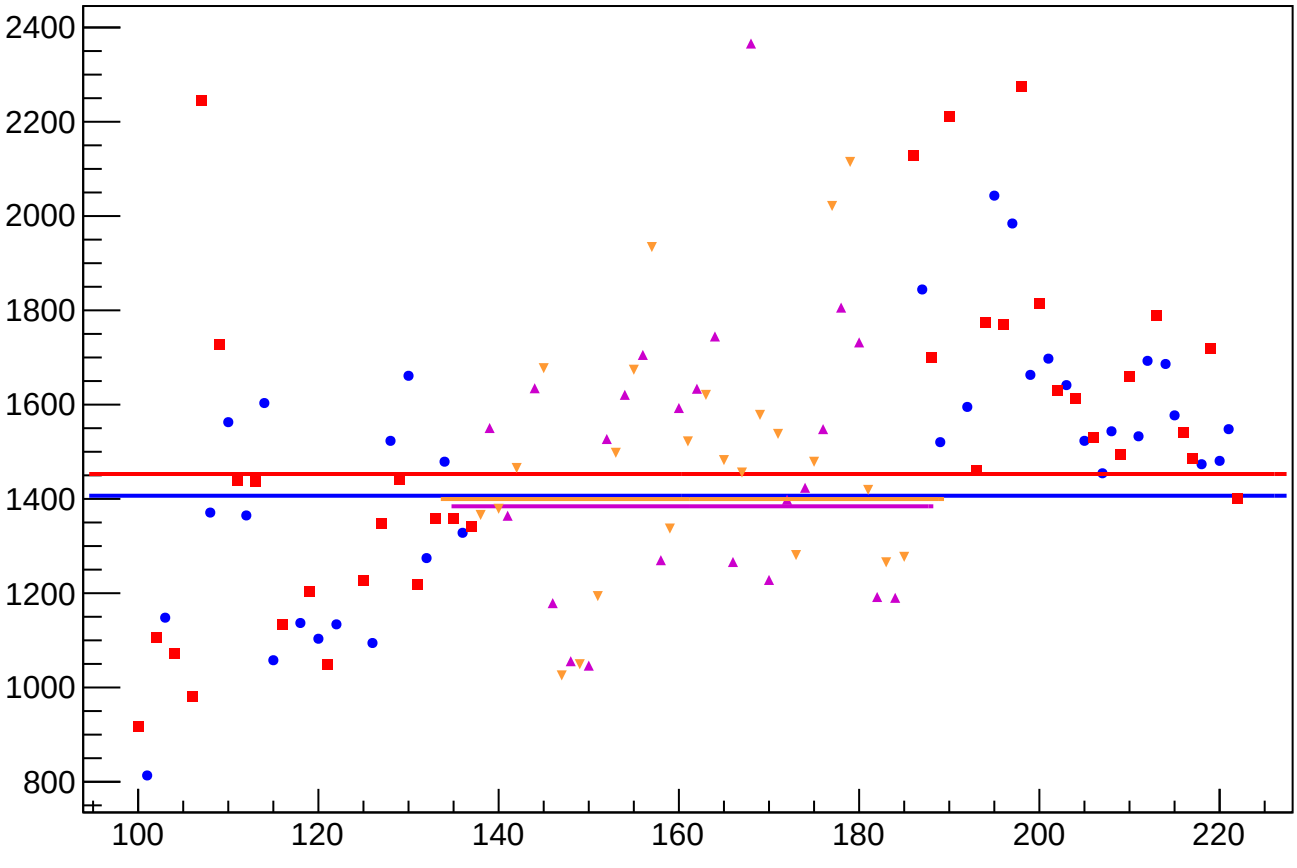
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: 63.100+/-220.260 χ^2/NDF: 84.0/69

In: 40.382+/-224.645 χ^2/NDF:52.6/56

Out: -74.598+/-229.235 χ^2/NDF:74.1/59

All: -15.945+/-160.446 χ^2/NDF: 126.9/116



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

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

Right Out: 1452.849+/-0.224 χ^2/NDF: 1607358.2/35

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

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

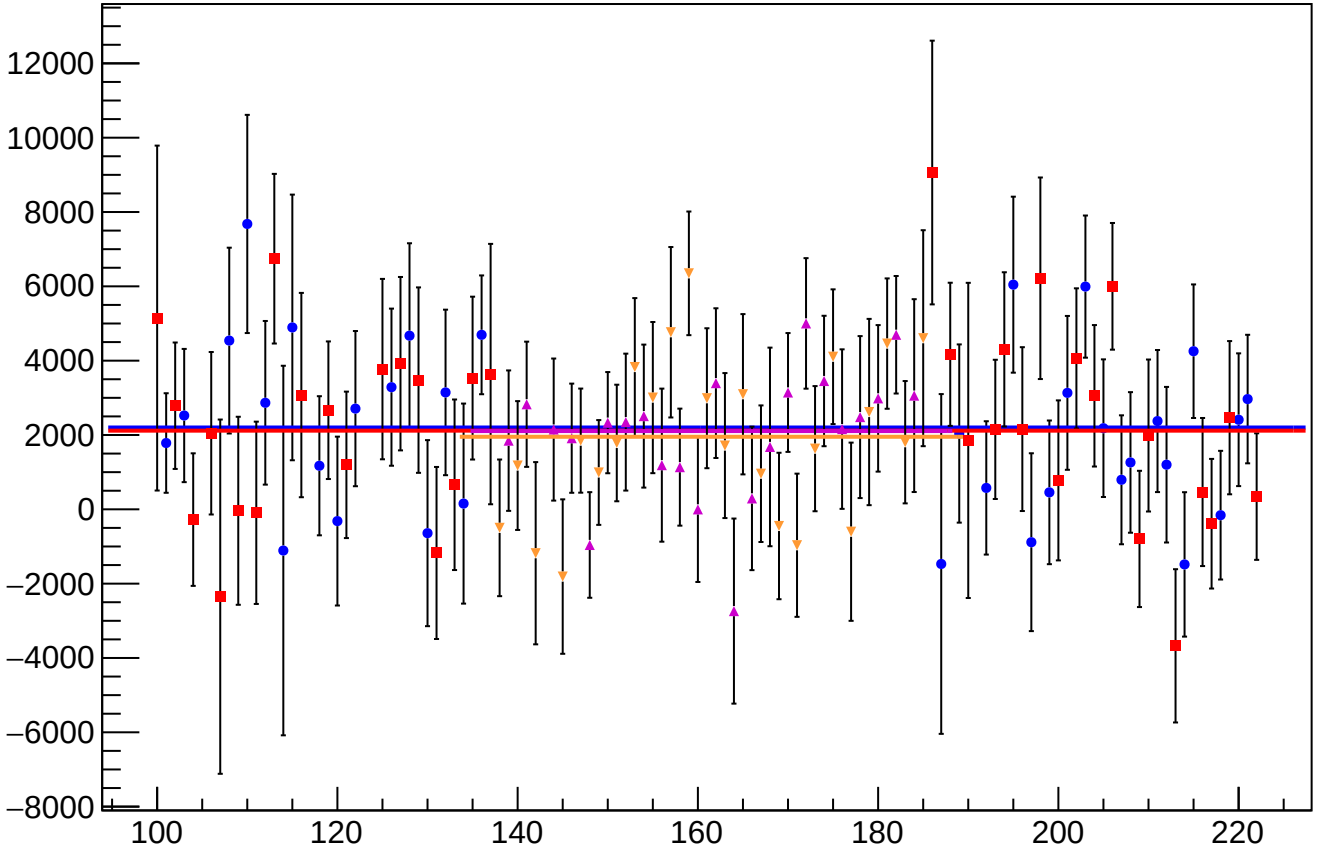
Right: 1429.044+/-0.156 χ^2/NDF: 3367677.0/69

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

Out: 1427.549+/-0.162 χ^2/NDF:2770507.0/59

All: 1411.648+/-0.113 χ^2/NDF: 5802702.7/11

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: 2116.840+/-361.555 χ^2/NDF: 43.3/35

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

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

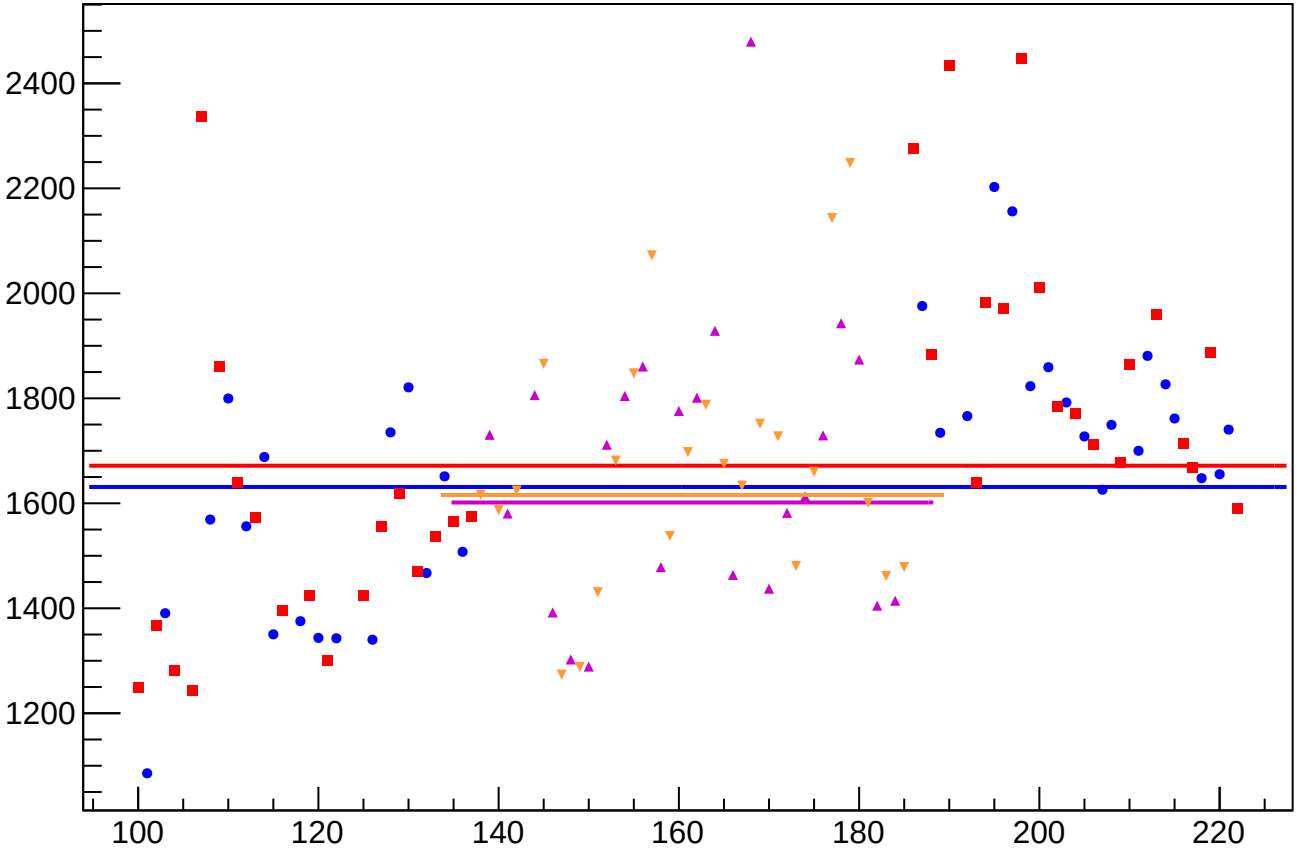
Right: 2160.384+/-252.174 χ^2/NDF: 75.0/69

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

Out: 2038.768+/-262.024 χ^2/NDF:70.7/59

All: 2098.871+/-183.801 χ^2/NDF: 121.2/116

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: 1671.562+/-0.256 χ^2/NDF: 1027411.7/35

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

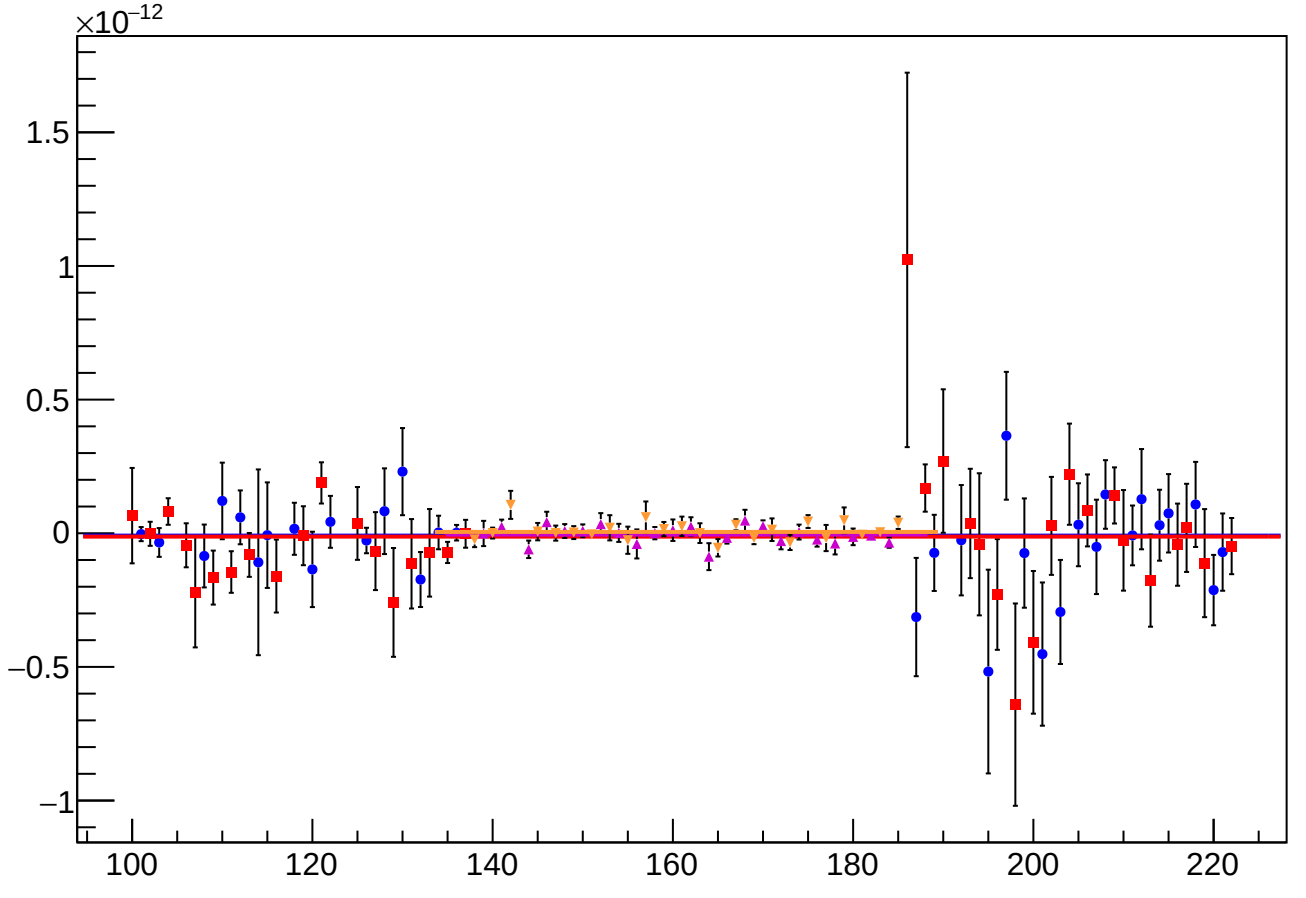
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1650.776+/-0.178 χ^2/NDF: 1995051.9/69

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

Out: 1645.112+/-0.185 χ^2/NDF:1744308.4/59

All: 1631.030+/-0.130 χ^2/NDF: 3510718.2/11



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: 42.6/35

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

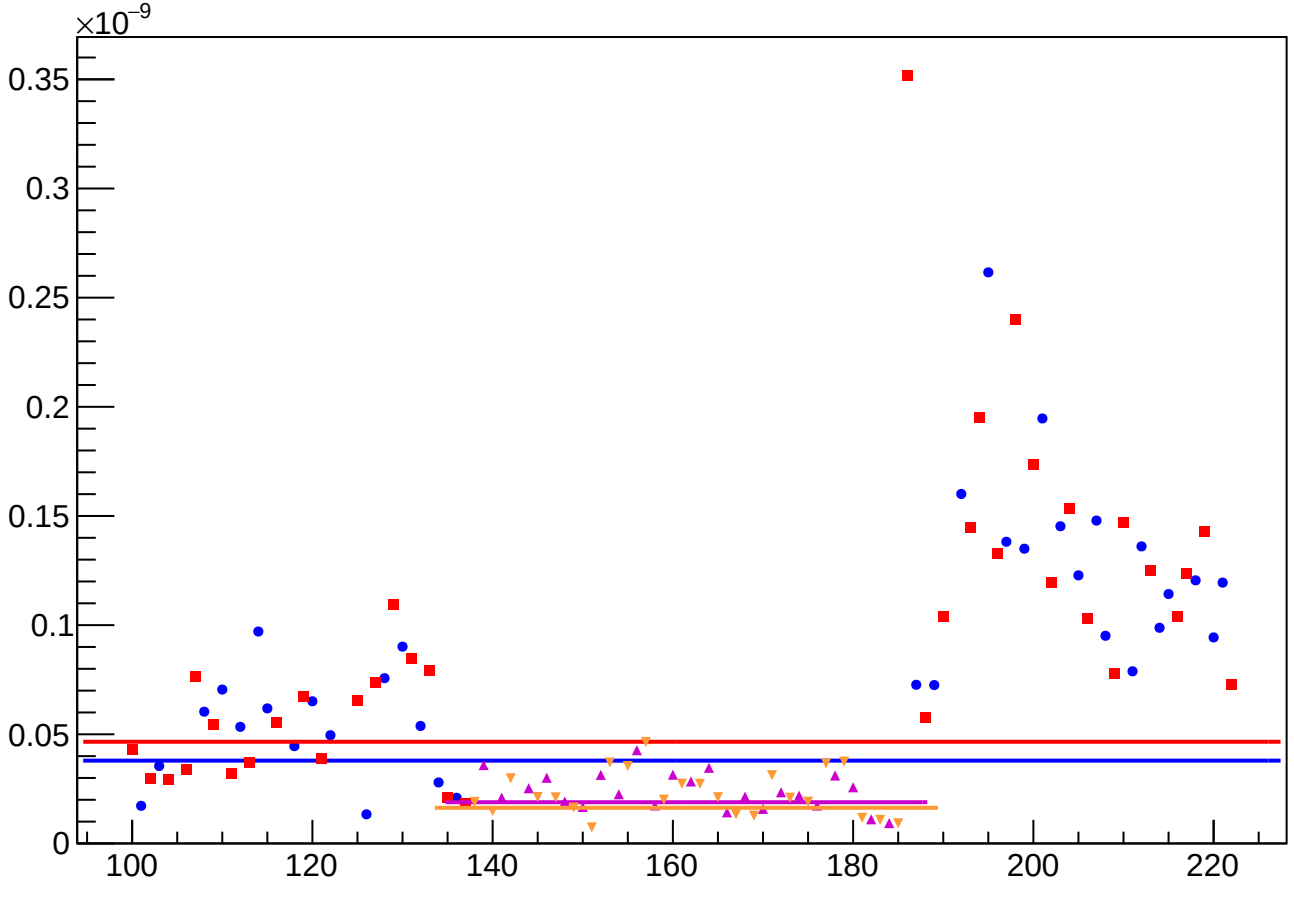
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 68.1/69

In: -0.000+/-0.000 χ^2/NDF:44.9/56

Out: 0.000+/-0.000 χ^2/NDF:64.6/59

All: -0.000+/-0.000 χ^2/NDF: 111.0/116



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: 9386564.7/35

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

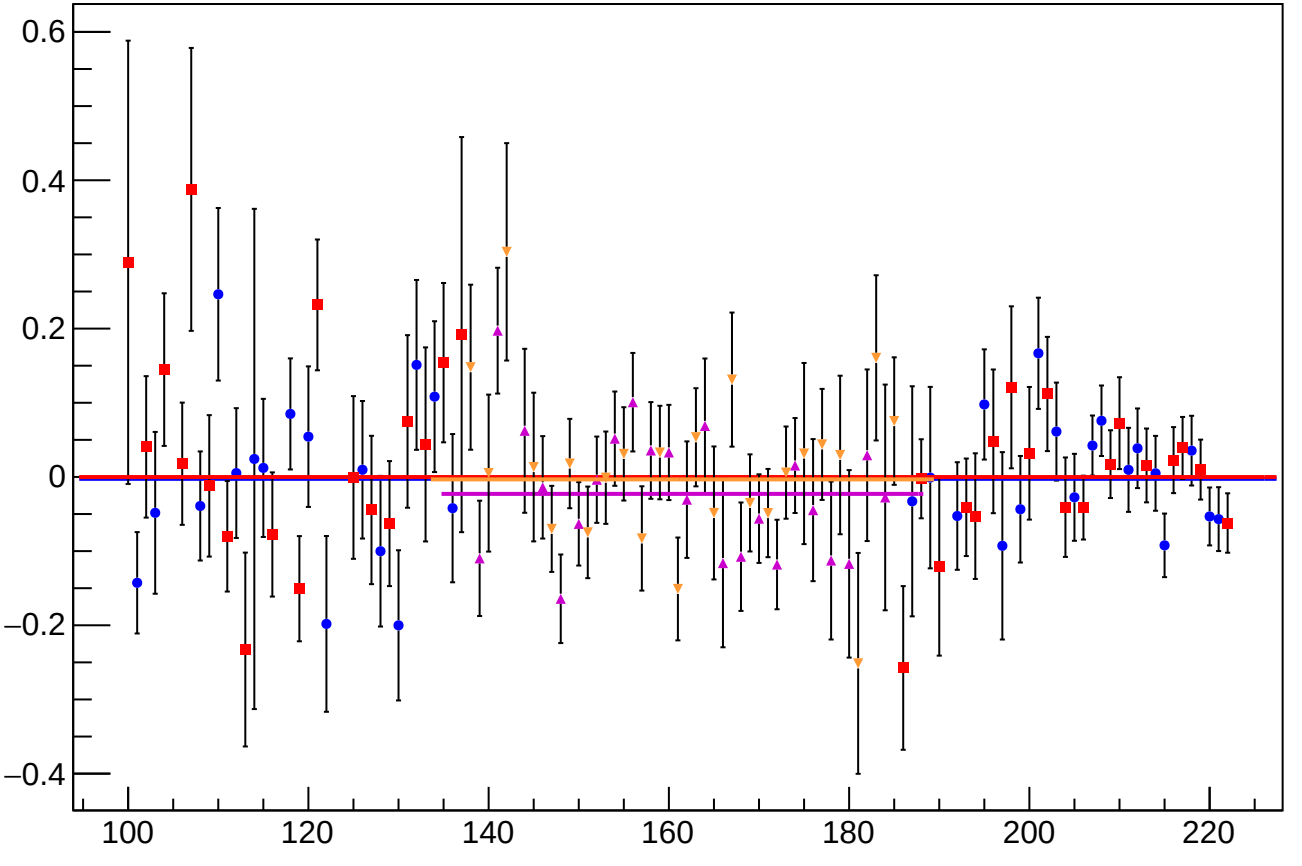
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 21731036.2/69

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

Out: 0.000+/-0.000 χ^2/NDF:19791402.5/59

All: 0.000+/-0.000 χ^2/NDF: 38410630.6/116



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: -0.000+/-0.012 χ^2/NDF: 45.2/35

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

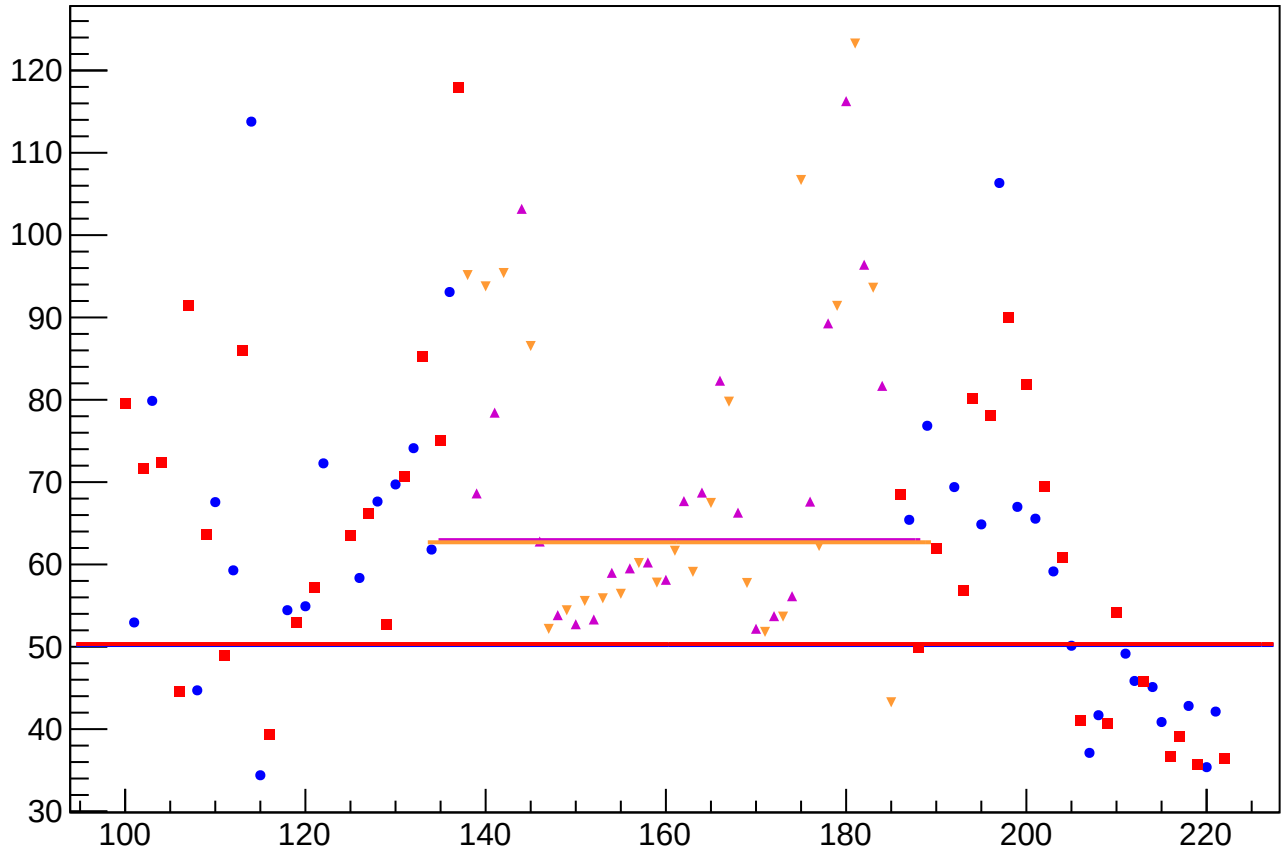
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.008 χ^2/NDF: 89.1/69

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.001+/-0.009 χ^2/NDF:71.1/59

All: -0.006+/-0.007 χ^2/NDF: 145.5/116



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

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

Right Out: 50.337+/-0.008 χ^2/NDF: 3306950.2/35

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

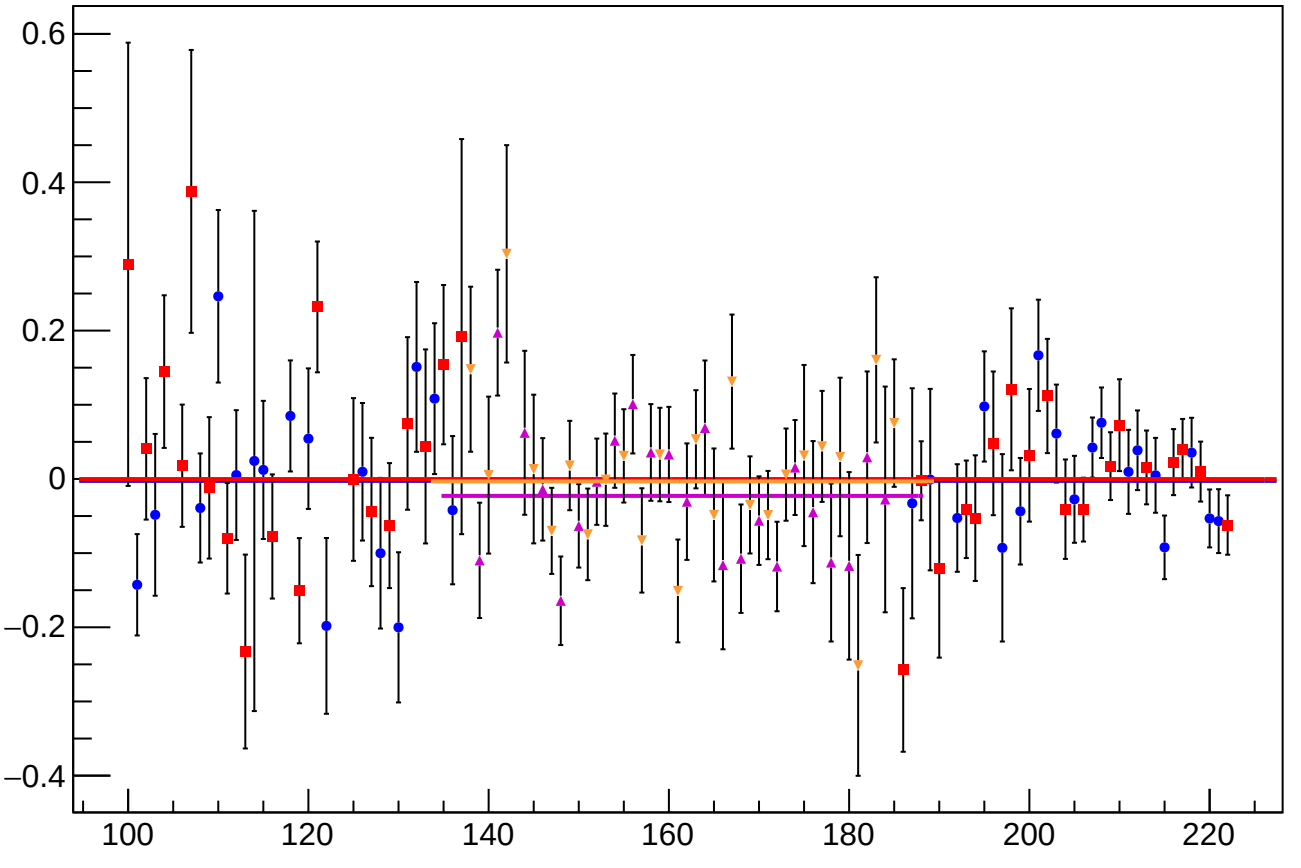
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 50.274+/-0.006 χ^2/NDF: 6142633.2/69

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

Out: 54.811+/-0.007 χ^2/NDF:6058364.9/59

All: 54.790+/-0.005 χ^2/NDF: 11193602.4/116



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: -0.000+/-0.012 χ^2/NDF: 45.2/35

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

Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

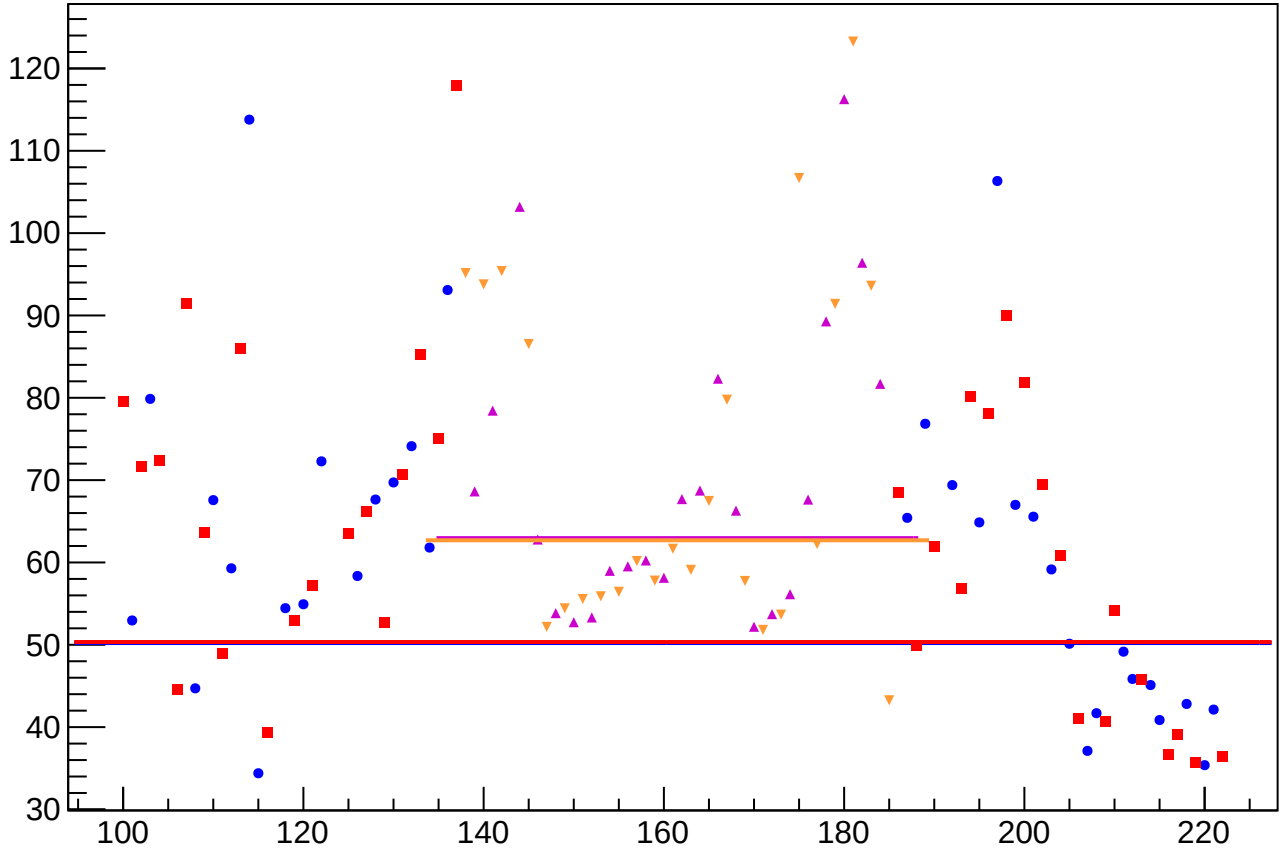
Right: -0.001+/-0.008 χ^2/NDF: 89.1/69

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.001+/-0.009 χ^2/NDF:71.1/59

All: -0.006+/-0.007 χ^2/NDF: 145.5/116

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 50.337+/-0.008 χ^2/NDF: 3306950.2/35

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

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

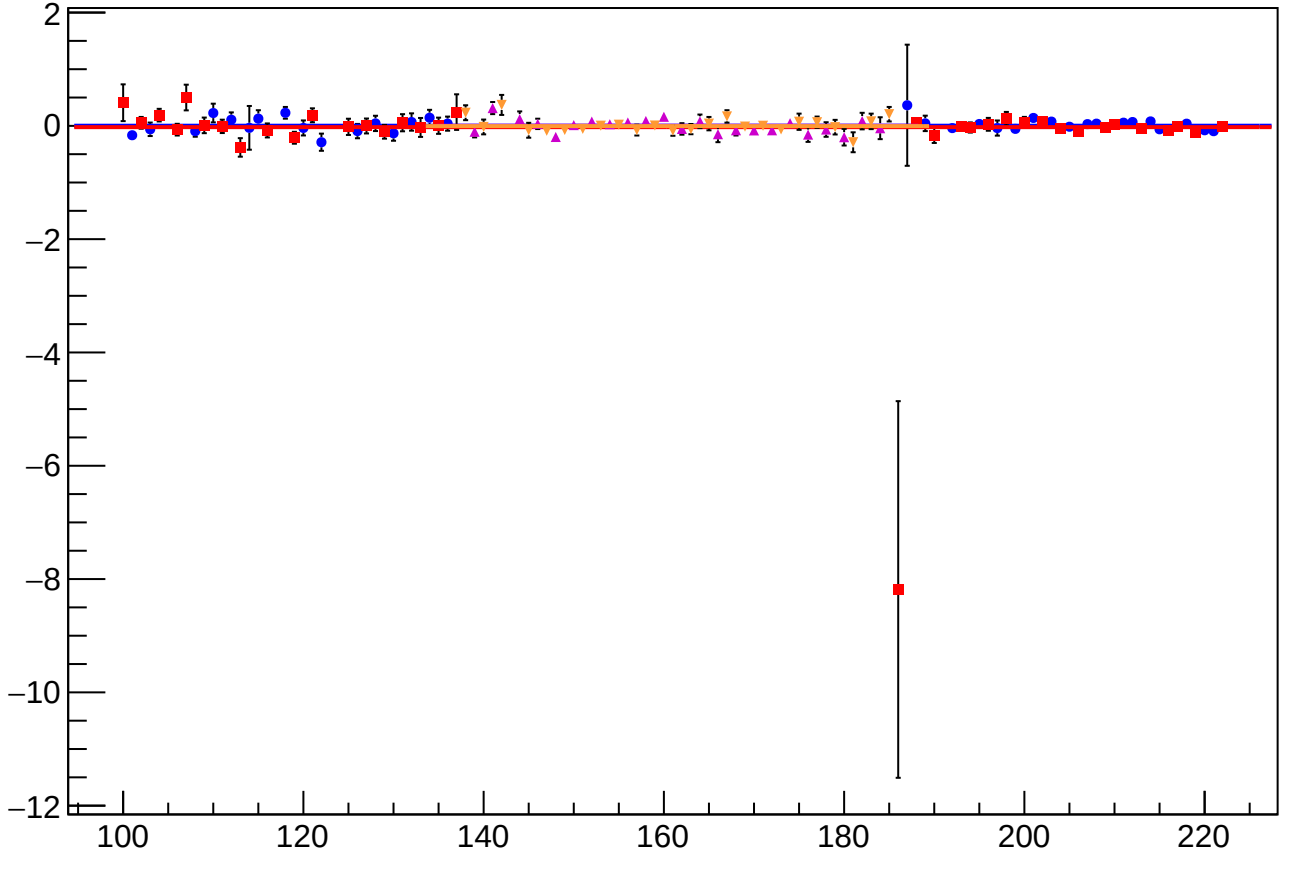
Right: 50.274+/-0.006 χ^2/NDF: 6142633.2/69

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

Out: 54.811+/-0.007 χ^2/NDF:6058364.9/59

All: 54.790+/-0.005 χ^2/NDF: 11193602.4/116

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: -0.023+/-0.015 χ^2/NDF: 42.7/35

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

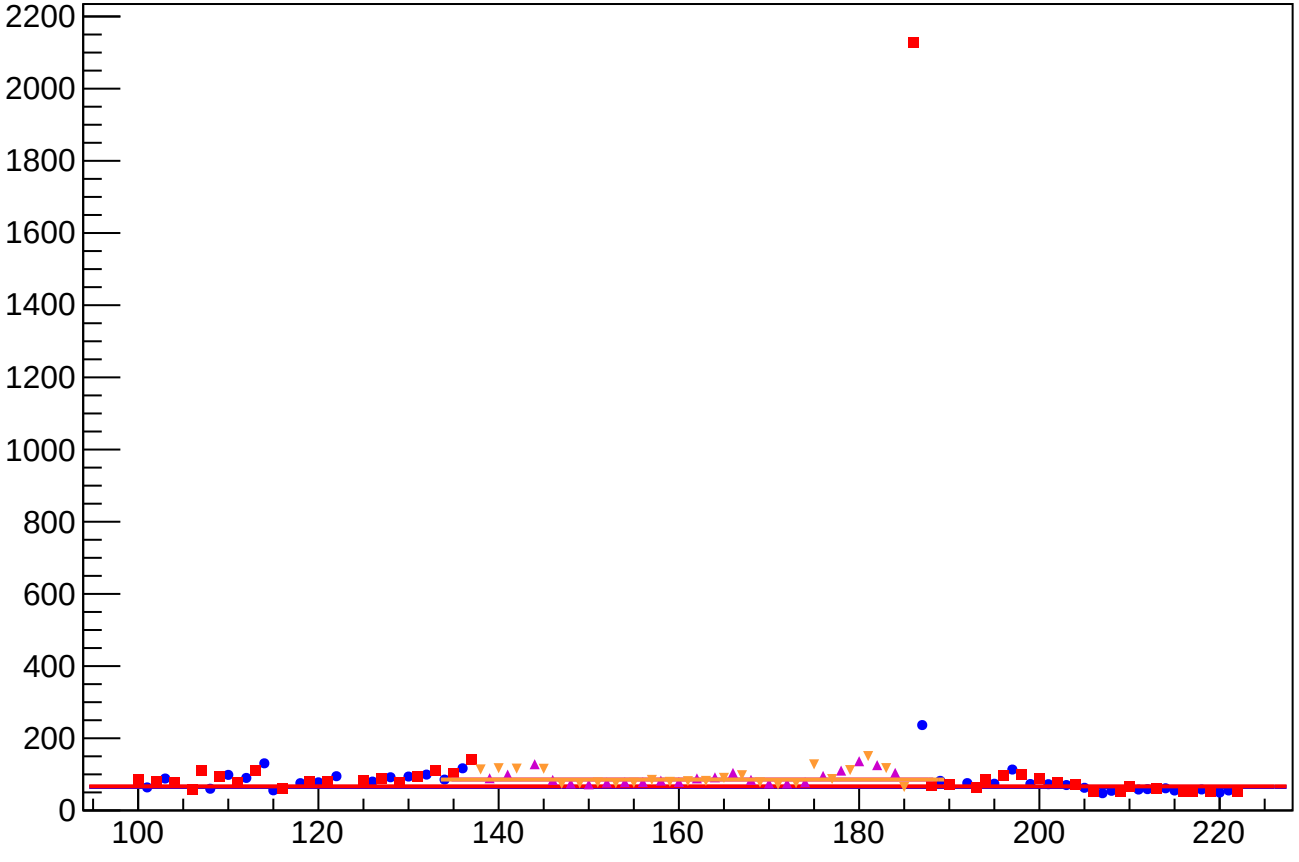
Right: -0.010+/-0.011 χ^2/NDF: 79.7/69

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.016+/-0.012 χ^2/NDF:64.6/59

All: -0.007+/-0.009 χ^2/NDF: 131.9/116

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 66.813+/-0.011 χ^2/NDF: 2993174.6/35

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

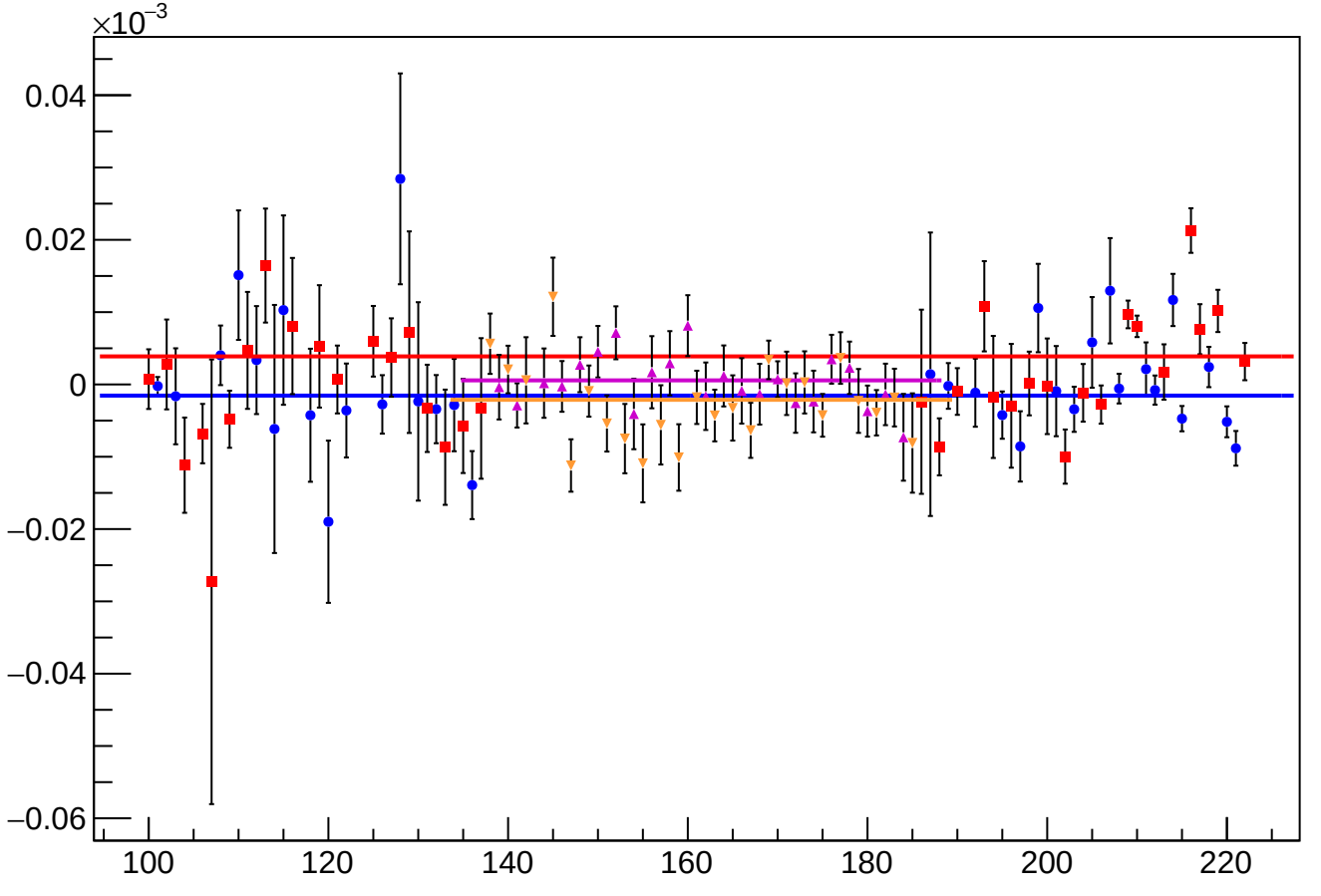
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 65.926+/-0.007 χ^2/NDF: 5208683.3/69

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

Out: 73.409+/-0.009 χ^2/NDF:5424128.2/59

All: 72.693+/-0.006 χ^2/NDF: 9951992.4/116



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: 121.3/35

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

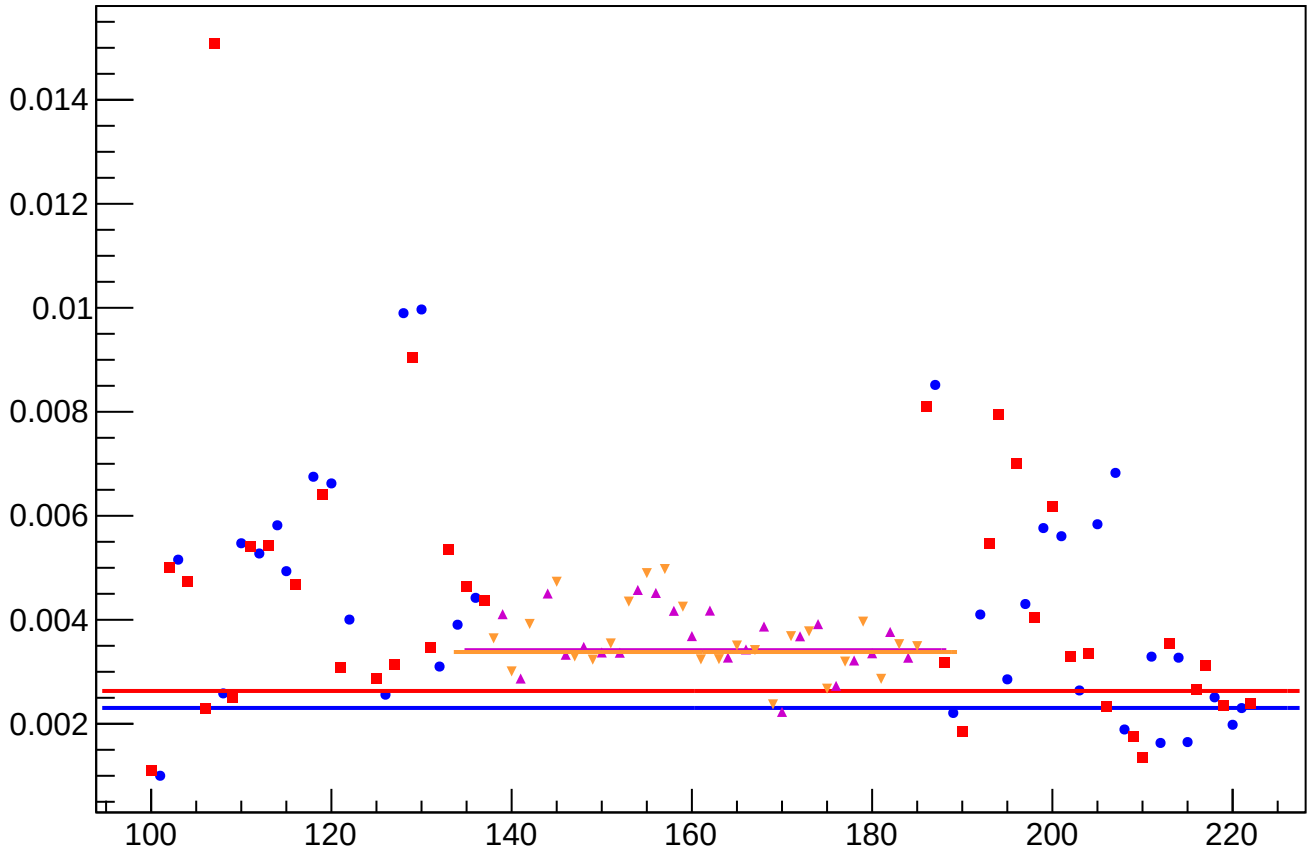
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 226.0/69

In: -0.000+/-0.000 χ^2/NDF:87.6/56

Out: 0.000+/-0.000 χ^2/NDF:192.1/59

All: 0.000+/-0.000 χ^2/NDF: 290.8/116



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: 8369448.1/35

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

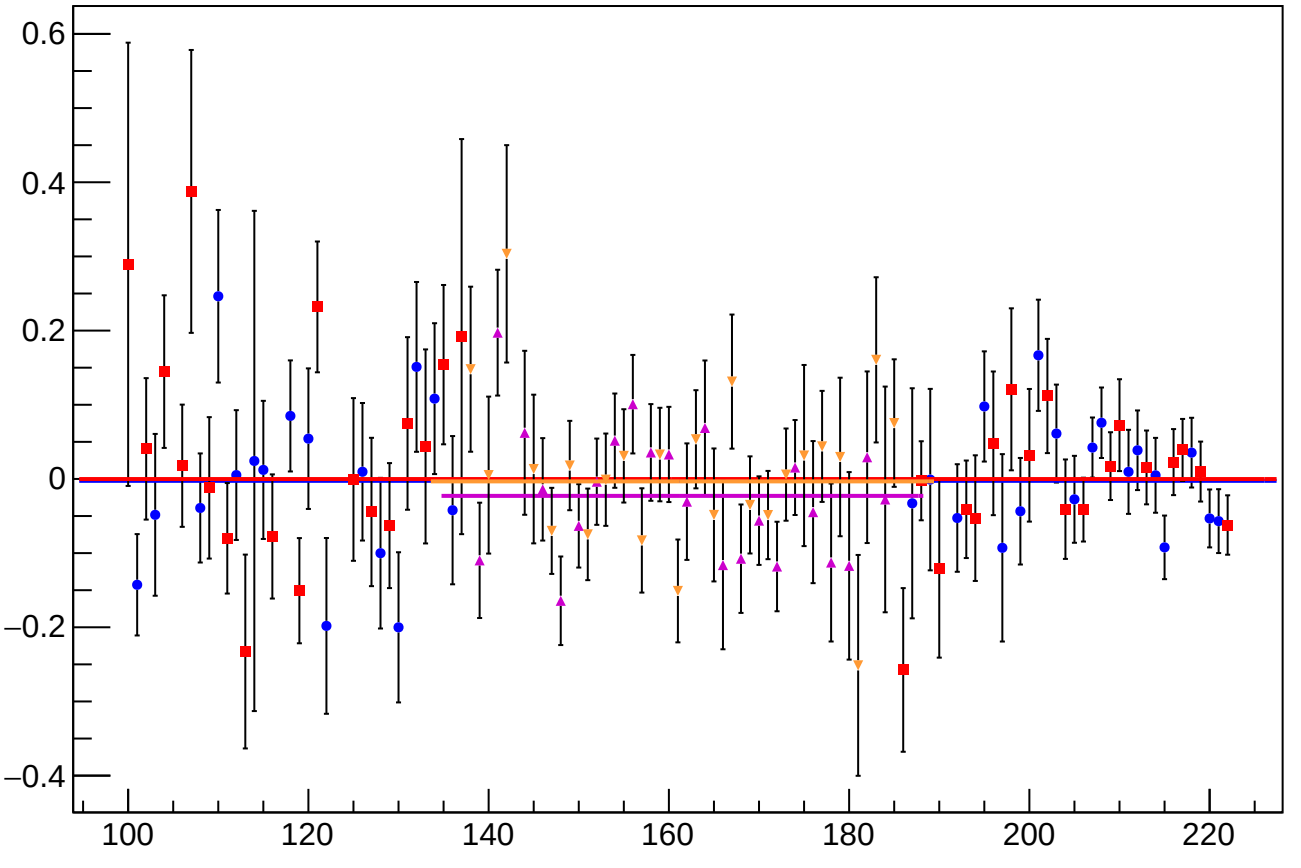
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 19015564.0/69

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

Out: 0.003+/-0.000 χ^2/NDF:10603156.9/59

All: 0.003+/-0.000 χ^2/NDF: 24861327.0/116



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: -0.000+/-0.012 χ^2/NDF: 45.2/35

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

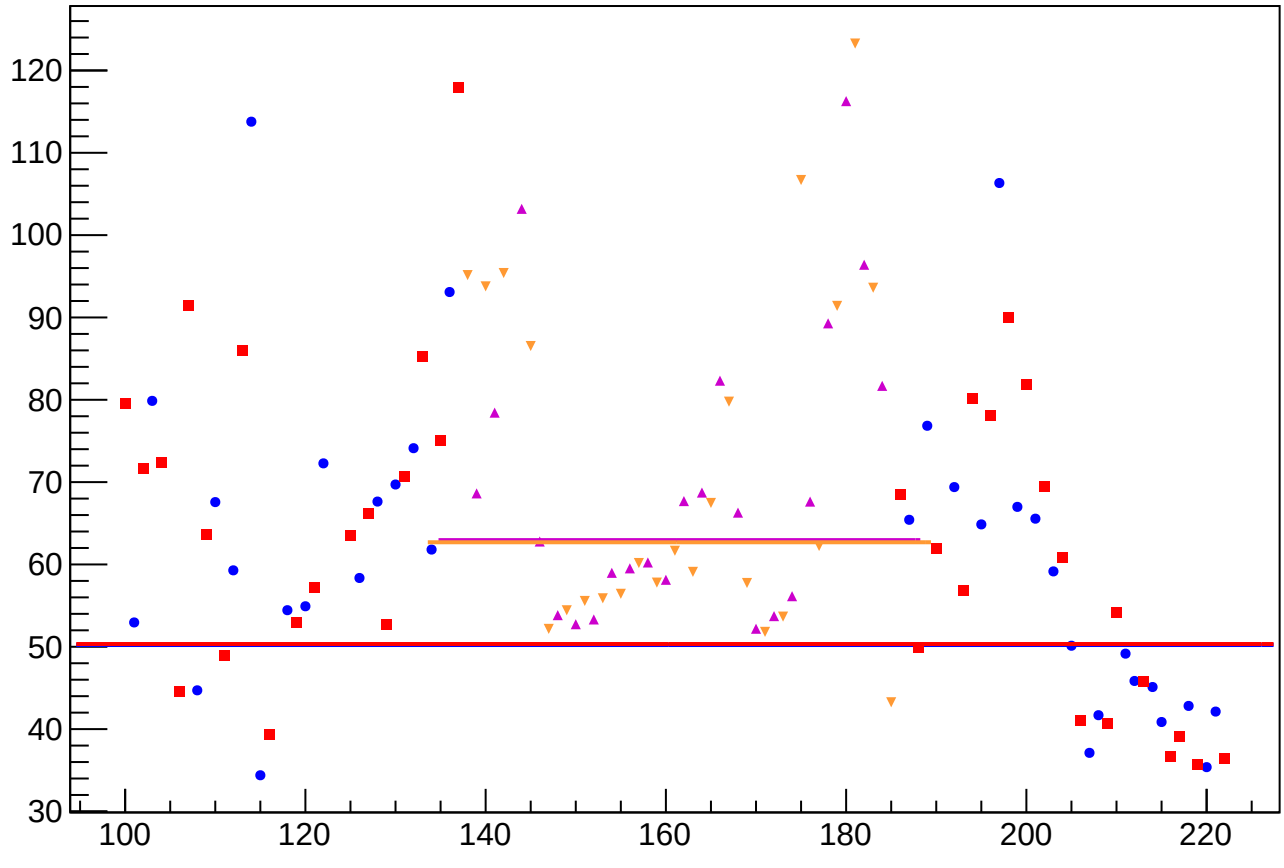
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.008 χ^2/NDF: 89.1/69

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.001+/-0.009 χ^2/NDF:71.1/59

All: -0.006+/-0.007 χ^2/NDF: 145.5/116



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

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

Right Out: 50.336+/-0.008 χ^2/NDF: 3306722.3/35

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

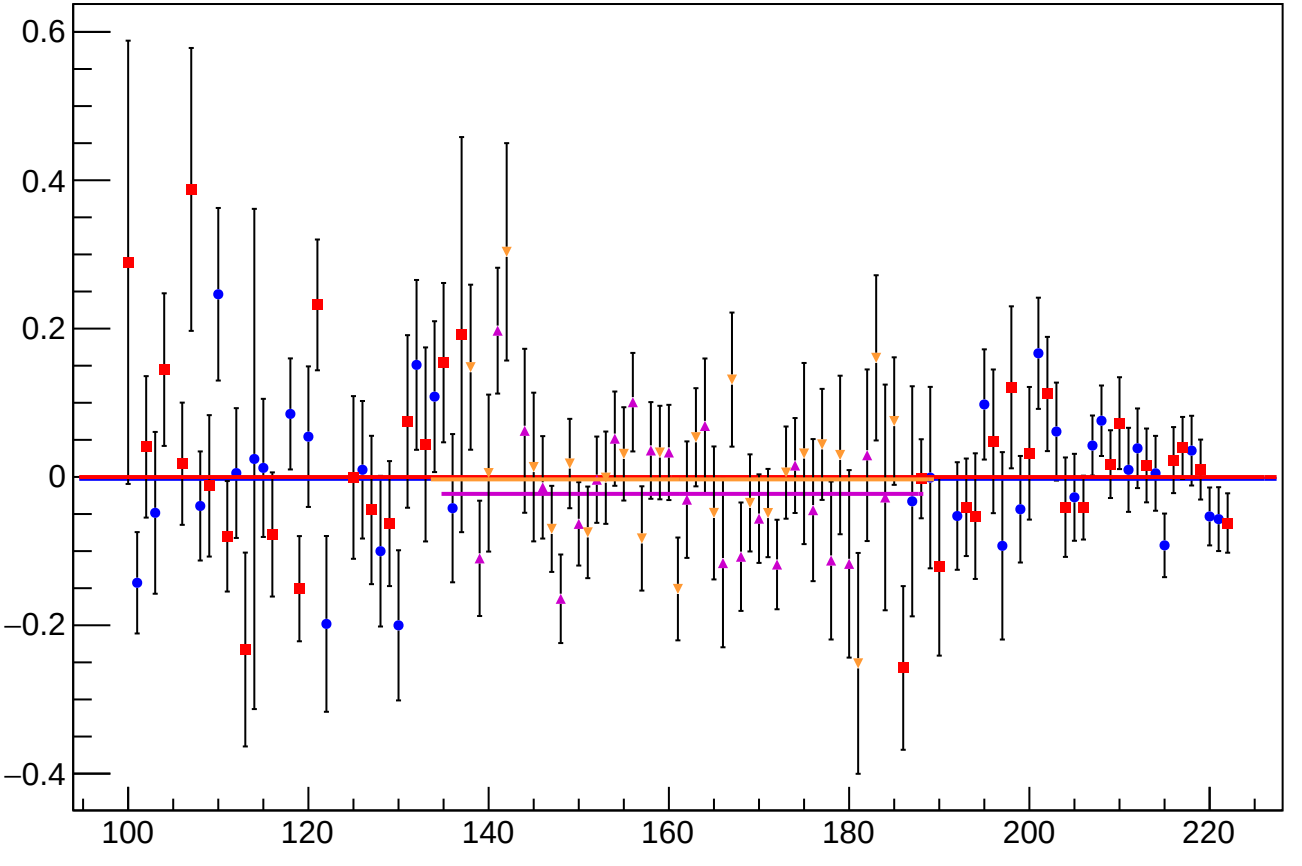
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 50.274+/-0.006 χ^2/NDF: 6142208.9/69

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

Out: 54.811+/-0.007 χ^2/NDF:6058179.1/59

All: 54.790+/-0.005 χ^2/NDF: 11193174.5/116



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: -0.000+/-0.012 χ^2/NDF: 45.2/35

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

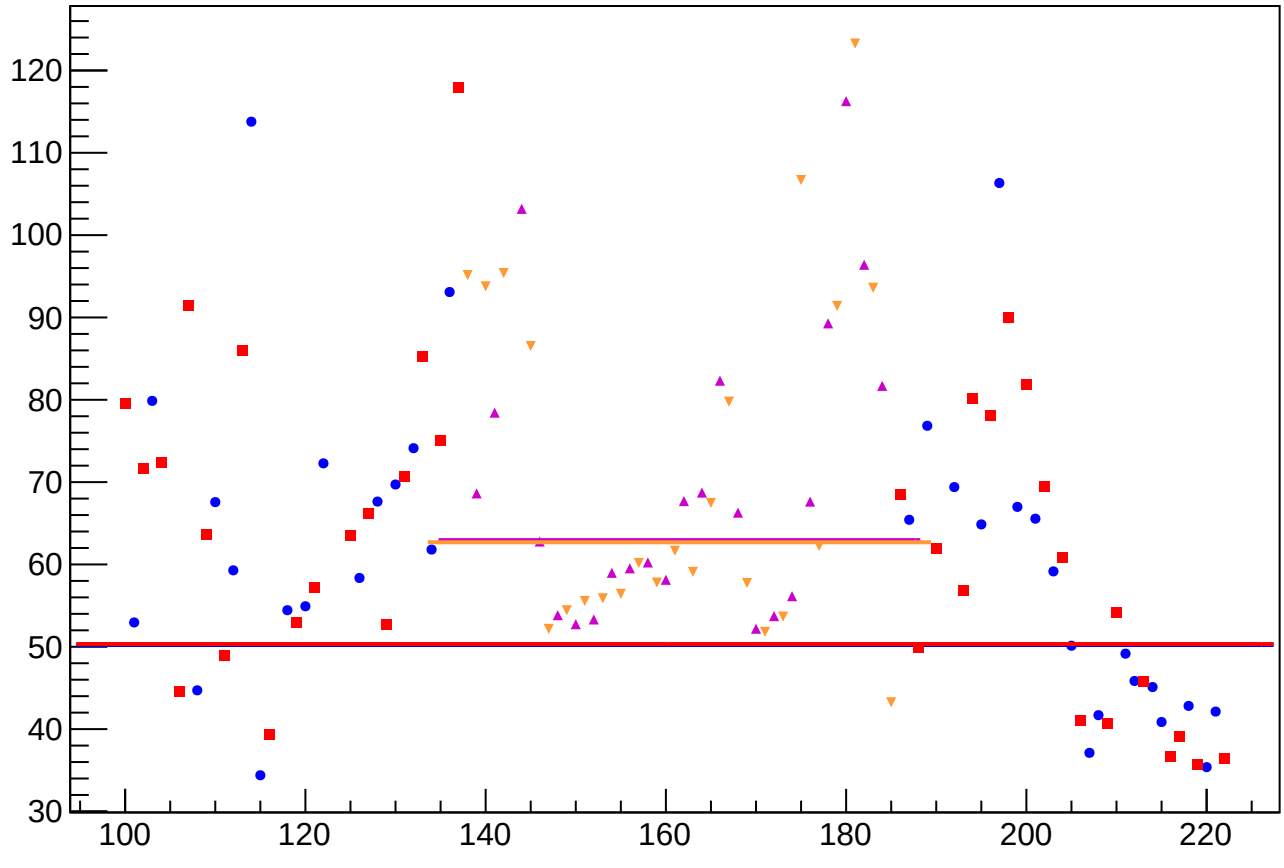
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.008 χ^2/NDF: 89.1/69

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.001+/-0.009 χ^2/NDF:71.1/59

All: -0.006+/-0.007 χ^2/NDF: 145.5/116



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

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

Right Out: 50.336+/-0.008 χ^2/NDF: 3306722.3/35

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

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

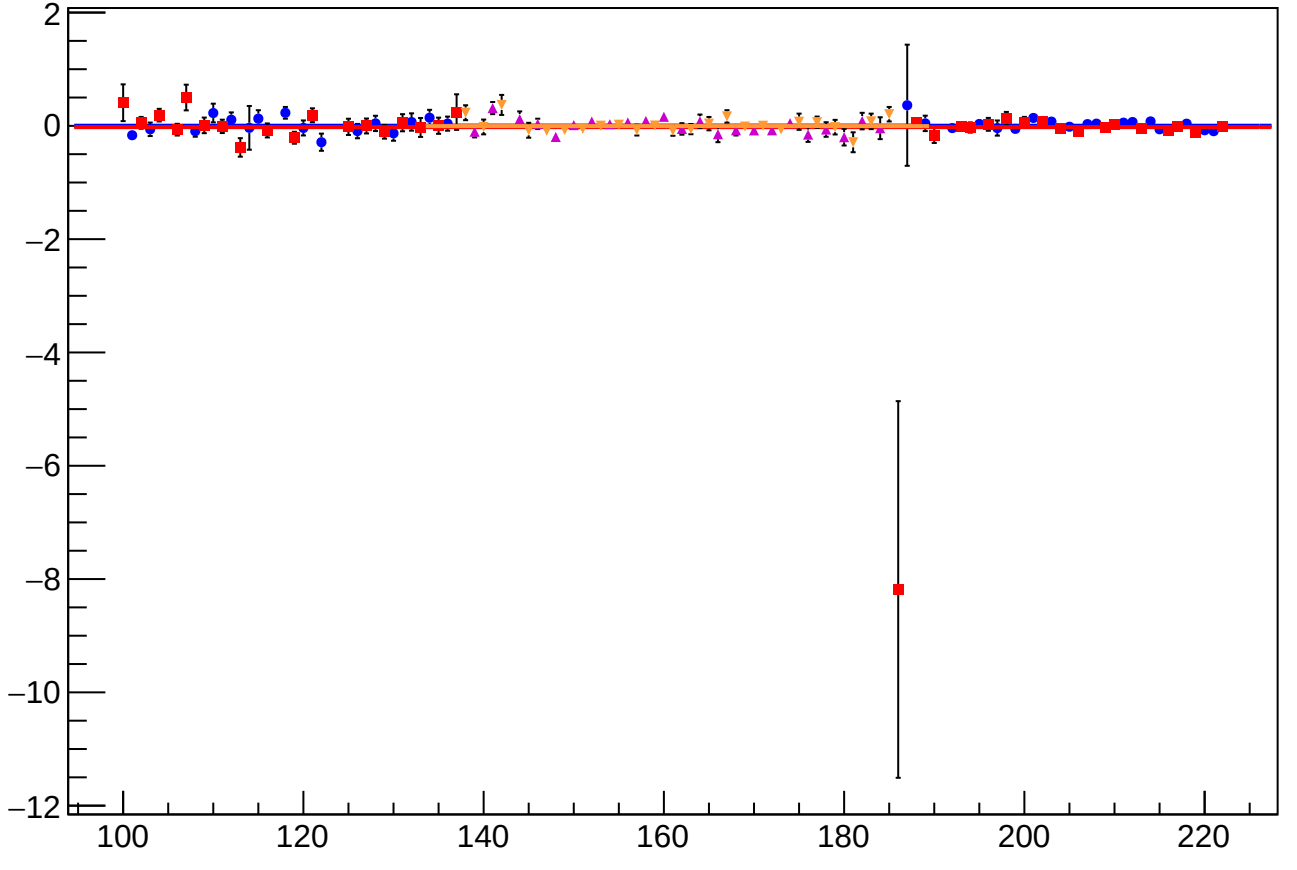
Right: 50.274+/-0.006 χ^2/NDF: 6142208.9/69

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

Out: 54.811+/-0.007 χ^2/NDF:6058179.1/59

All: 54.790+/-0.005 χ^2/NDF: 11193174.5/116

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: -0.023+/-0.015 χ^2/NDF: 42.7/35

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

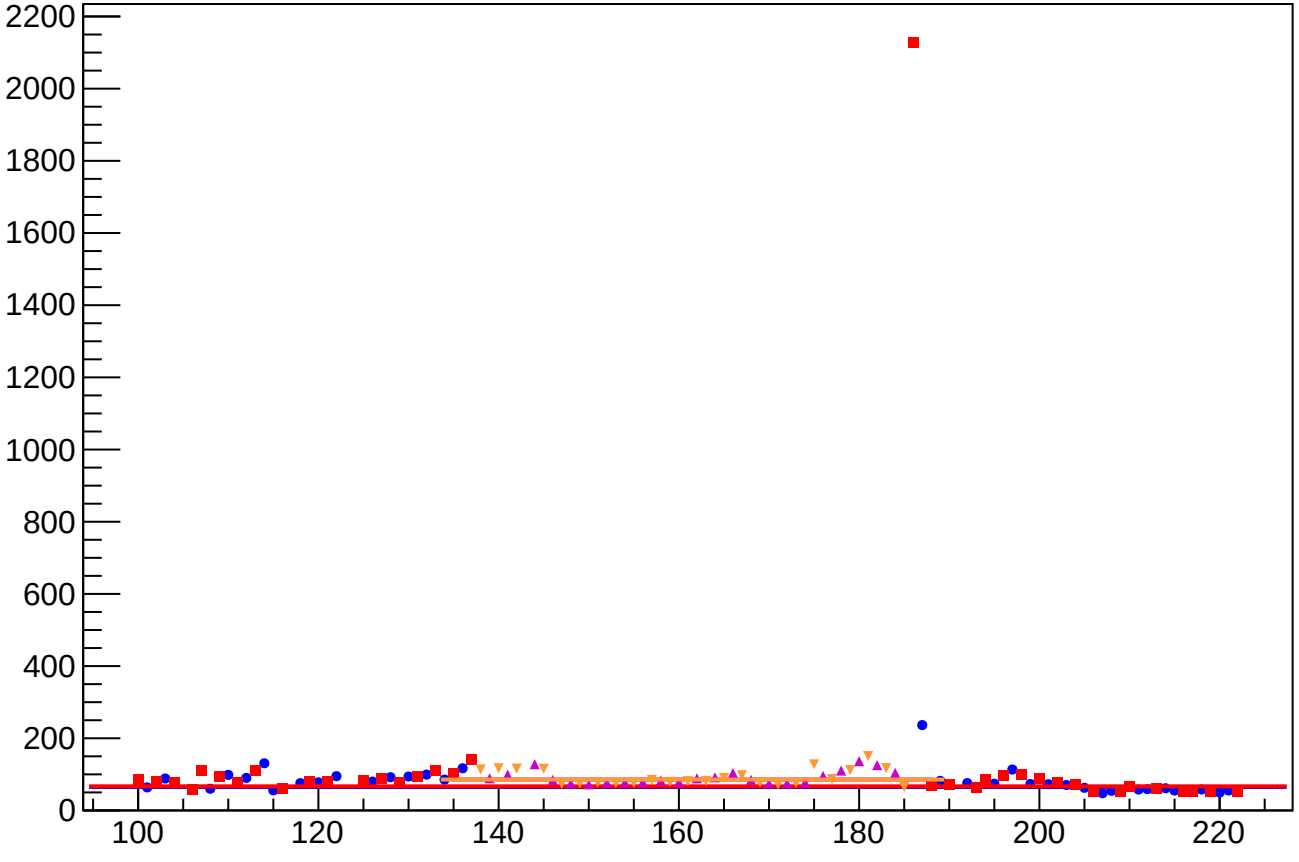
Right: -0.010+/-0.011 χ^2/NDF: 79.7/69

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.016+/-0.012 χ^2/NDF:64.6/59

All: -0.007+/-0.009 χ^2/NDF: 131.9/116

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 66.813+/-0.011 χ^2/NDF: 2993056.3/35

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

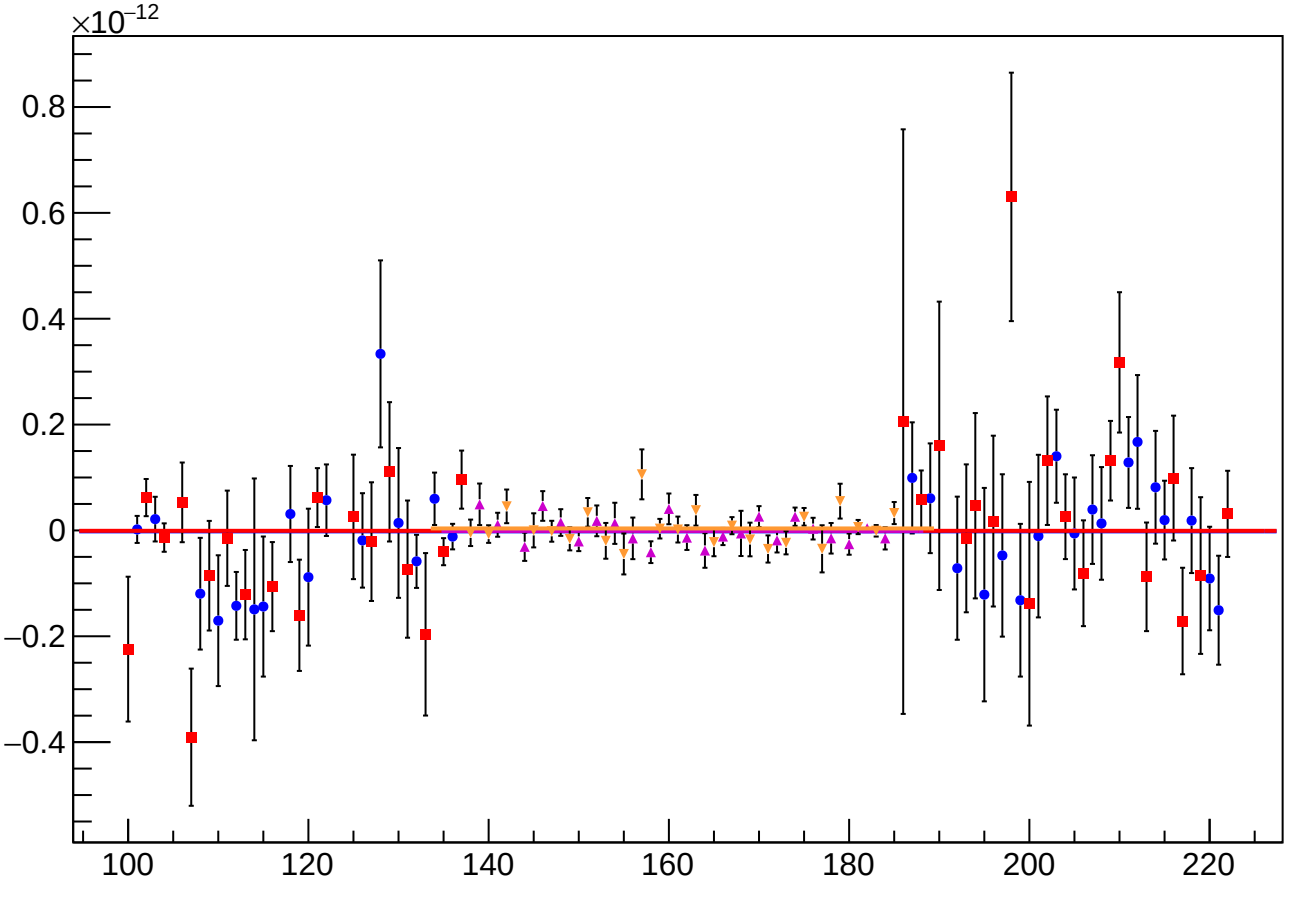
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 65.926+/-0.007 χ^2/NDF: 5208418.9/69

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

Out: 73.409+/-0.009 χ^2/NDF:5424038.6/59

All: 72.693+/-0.006 χ^2/NDF: 9951728.4/116



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: 56.7/35

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

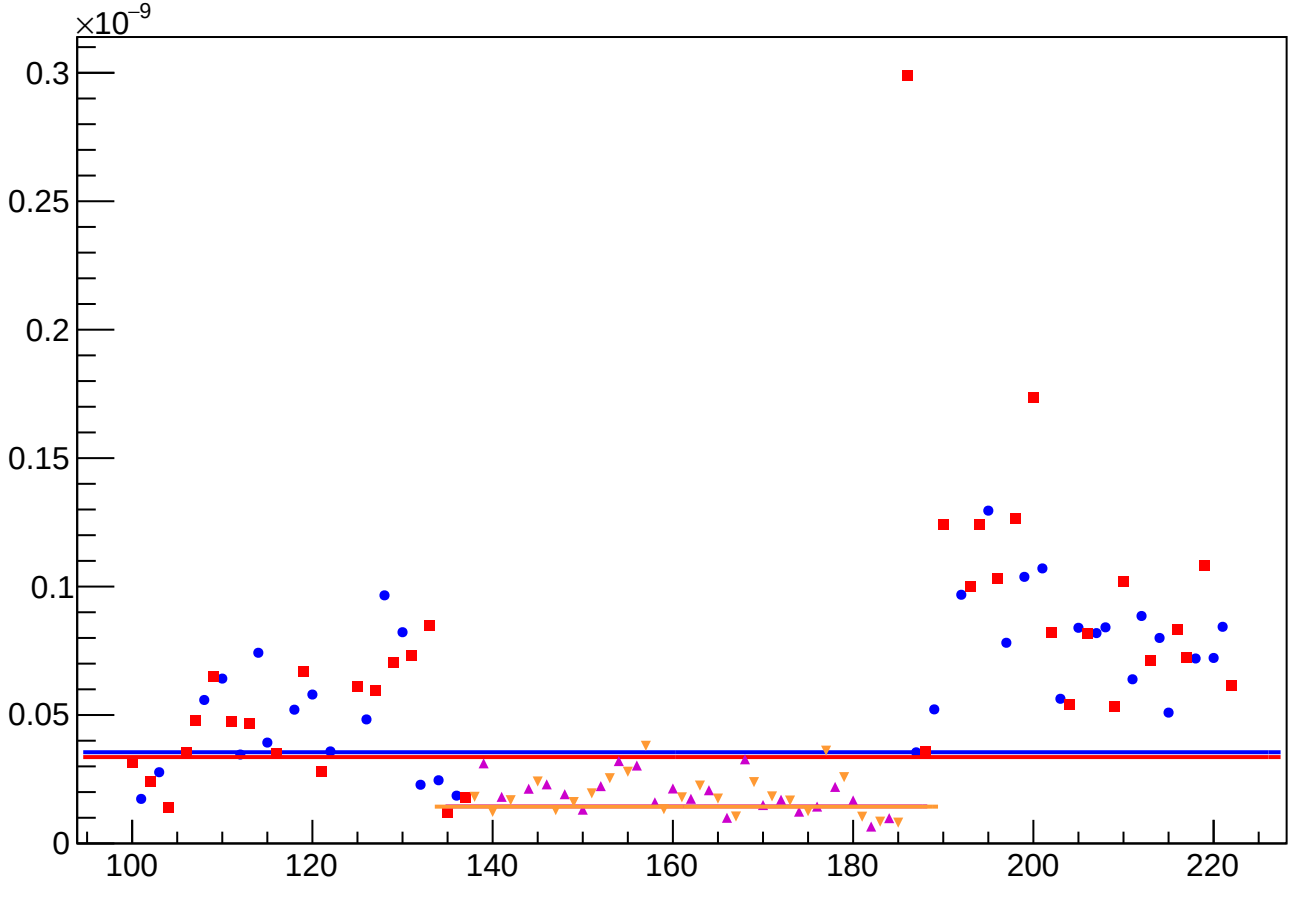
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 87.7/69

In: -0.000+/-0.000 χ^2/NDF:54.7/56

Out: 0.000+/-0.000 χ^2/NDF:81.8/59

All: 0.000+/-0.000 χ^2/NDF: 137.0/116



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: 10453363.1/35

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

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

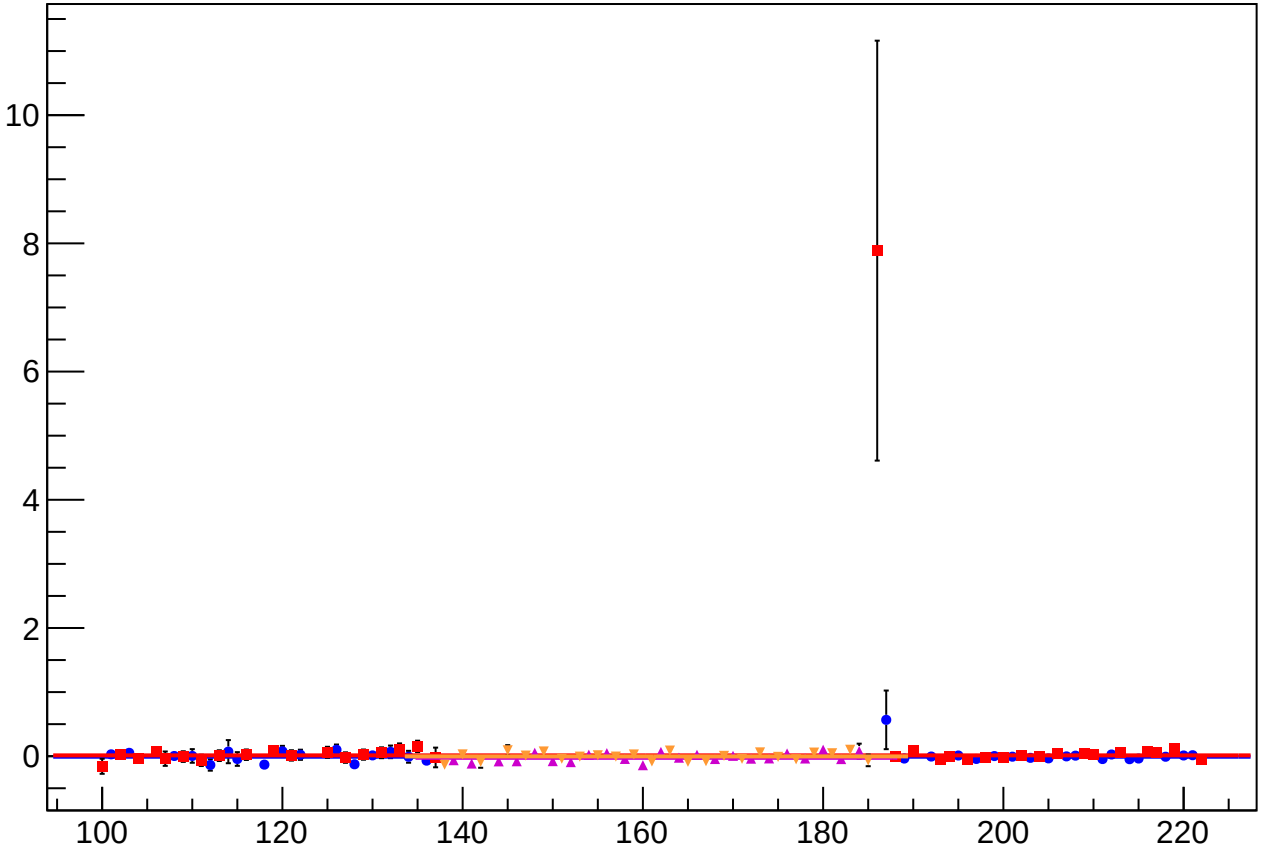
Right: 0.000+/-0.000 χ^2/NDF: 18923148.6/69

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

Out: 0.000+/-0.000 χ^2/NDF:18713460.0/59

All: 0.000+/-0.000 χ^2/NDF: 37079042.6/116

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: 0.013+/-0.007 χ^2/NDF: 52.2/35

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

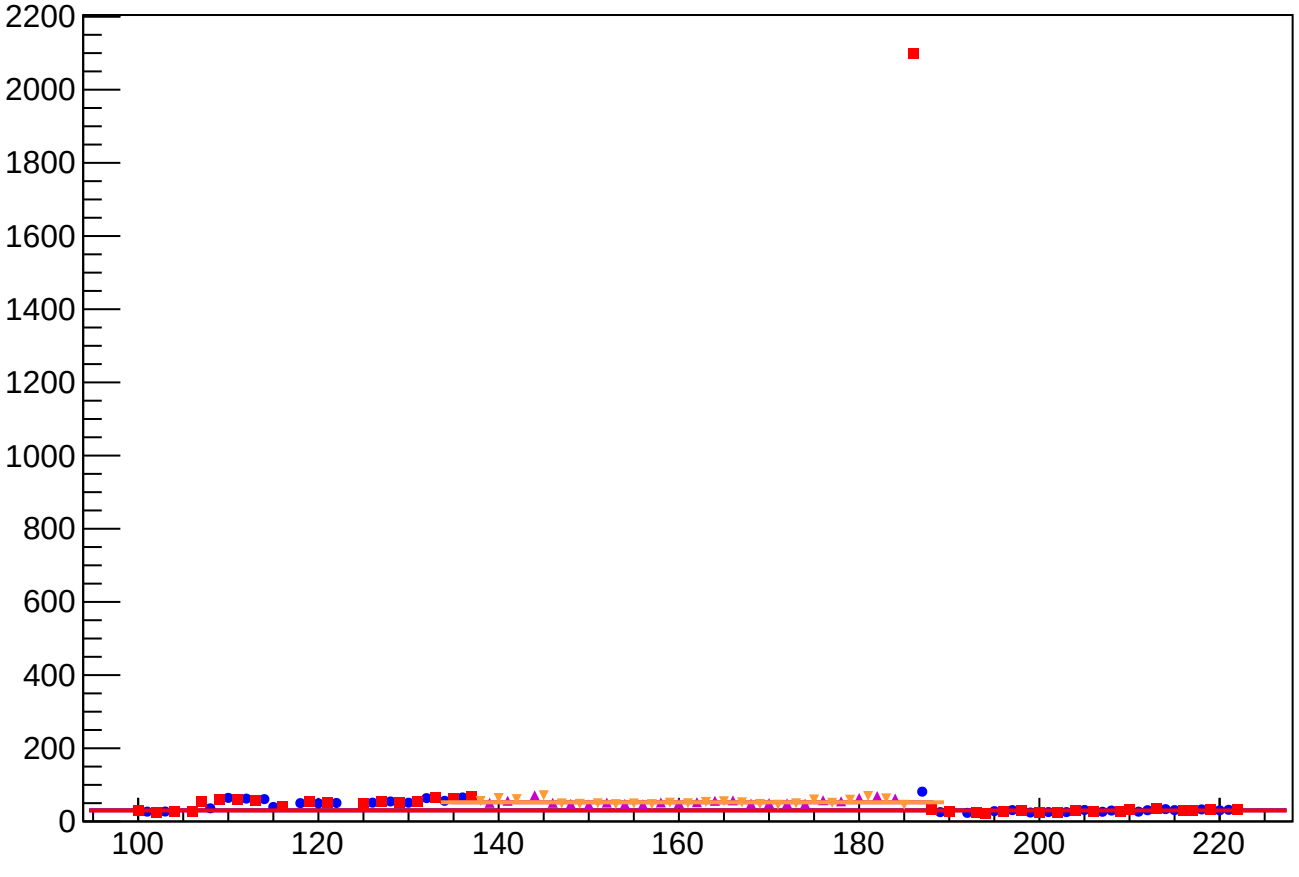
Right: 0.002+/-0.005 χ^2/NDF: 83.0/69

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.009+/-0.006 χ^2/NDF:76.7/59

All: -0.002+/-0.004 χ^2/NDF: 134.8/116

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: 30.125+/-0.005 χ^2/NDF: 3900490.2/35

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

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

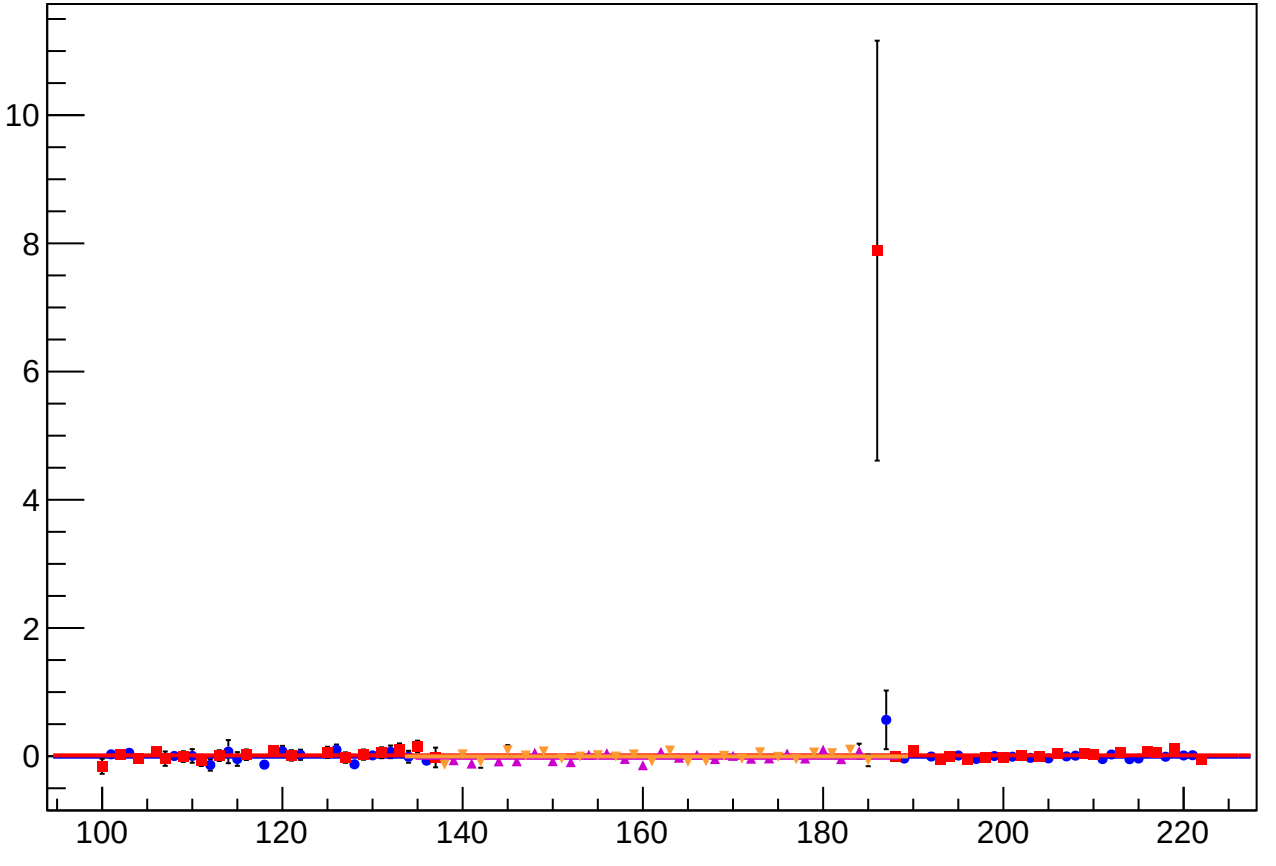
Right: 30.328+/-0.003 χ^2/NDF: 6798407.1/69

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

Out: 35.439+/-0.004 χ^2/NDF:9302645.3/59

All: 35.578+/-0.003 χ^2/NDF: 17346641.4/116

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: 0.013+/-0.007 χ^2/NDF: 52.2/35

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

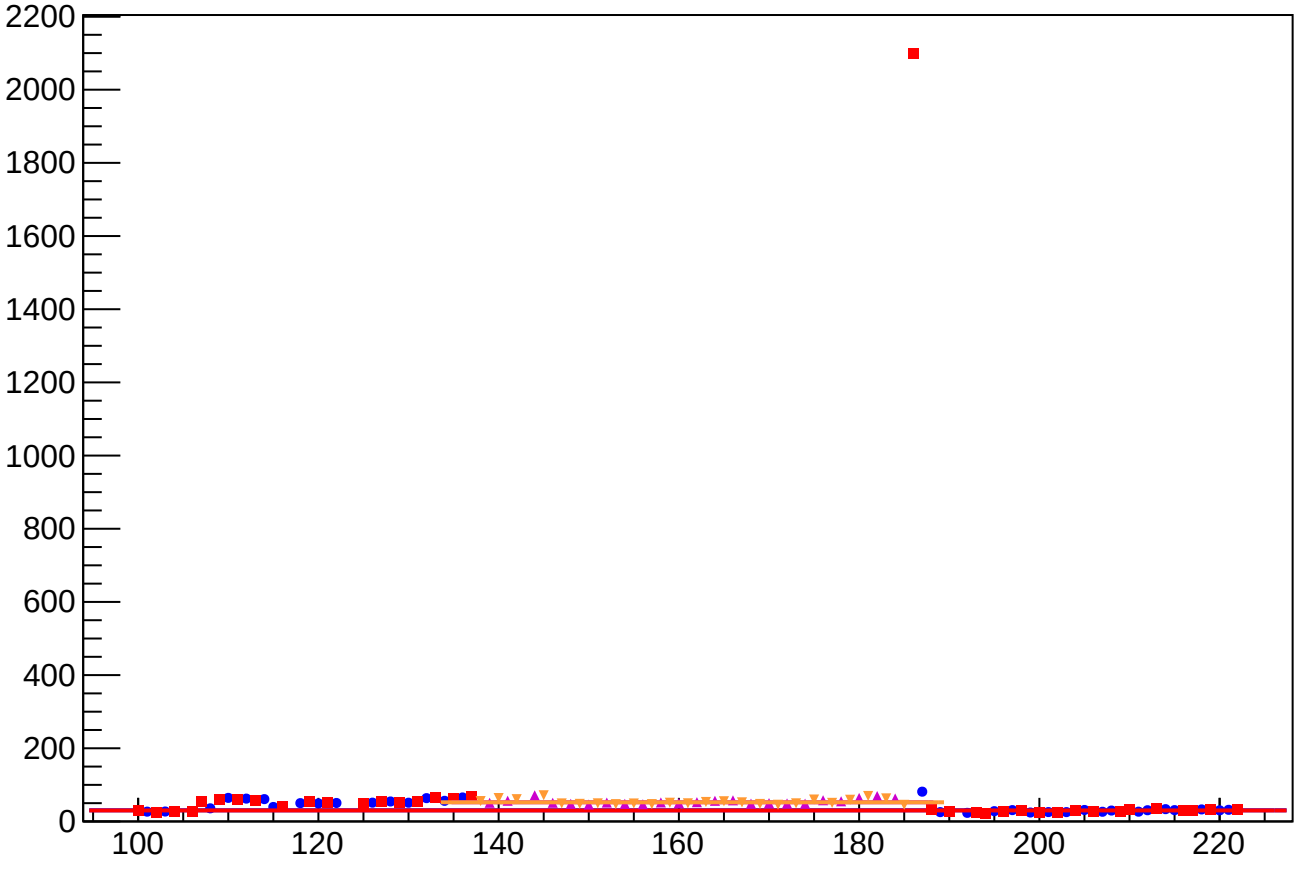
Right: 0.002+/-0.005 χ^2/NDF: 83.0/69

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.009+/-0.006 χ^2/NDF:76.7/59

All: -0.002+/-0.004 χ^2/NDF: 134.8/116

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: 30.125+/-0.005 χ^2/NDF: 3900490.2/35

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

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

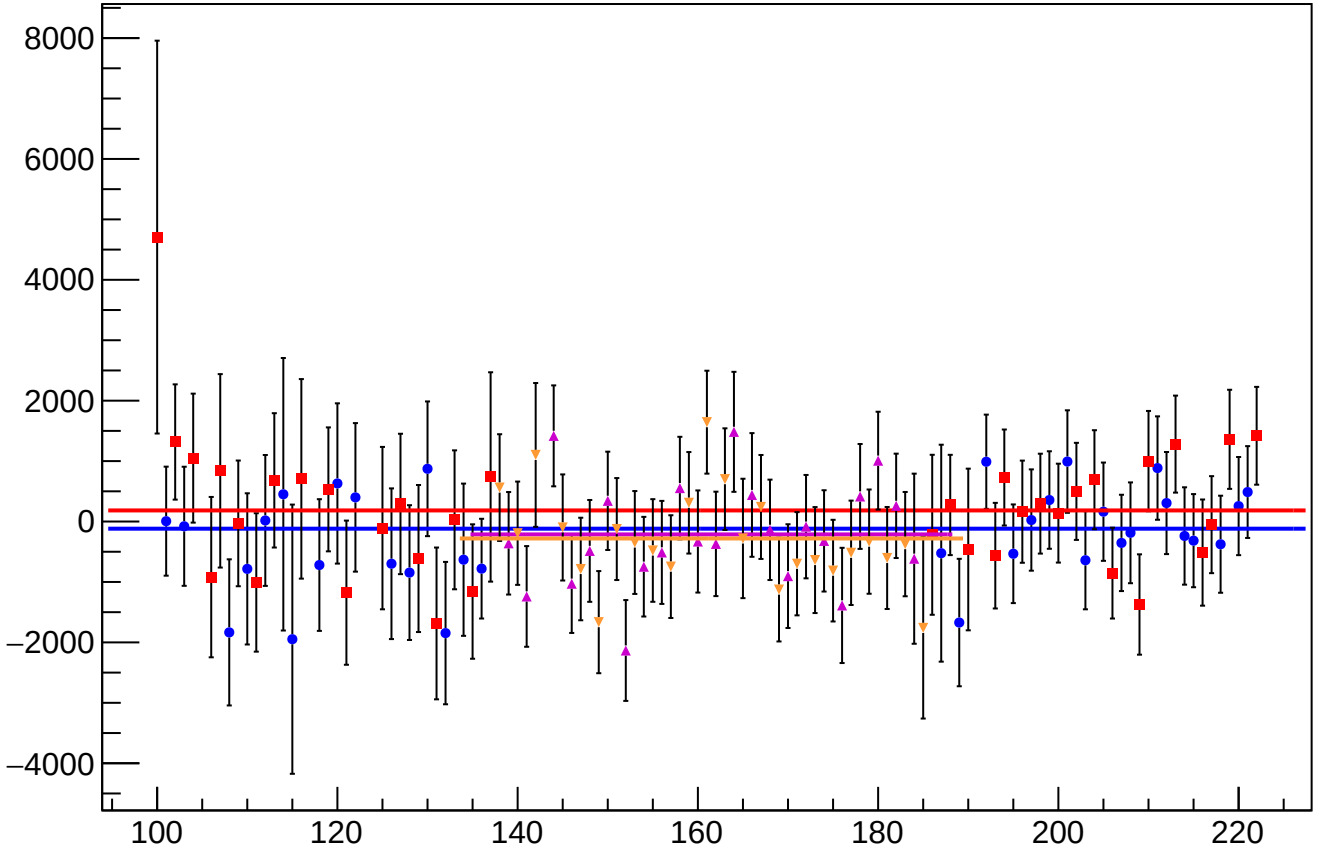
Right: 30.328+/-0.003 χ^2/NDF: 6798407.1/69

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

Out: 35.439+/-0.004 χ^2/NDF:9302645.3/59

All: 35.578+/-0.003 χ^2/NDF: 17346641.4/116

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: 183.621+/-164.379 χ^2/NDF: 27.4/35

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

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

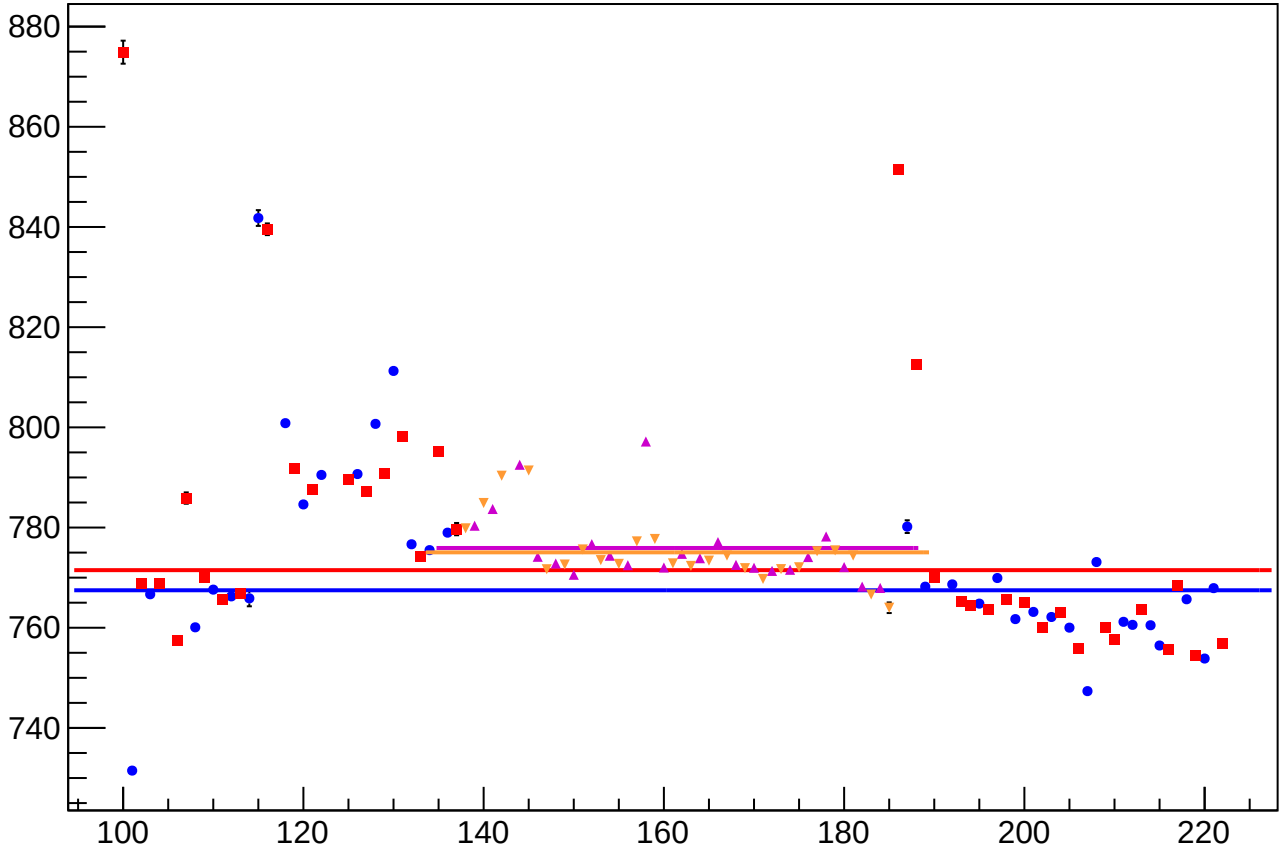
Right: 31.557+/-115.840 χ^2/NDF: 47.3/69

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

Out: -27.521+/-121.345 χ^2/NDF:47.1/59

All: -94.305+/-85.783 χ^2/NDF: 88.4/116

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: 771.497+/-0.116 χ^2/NDF: 27862.0/35

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

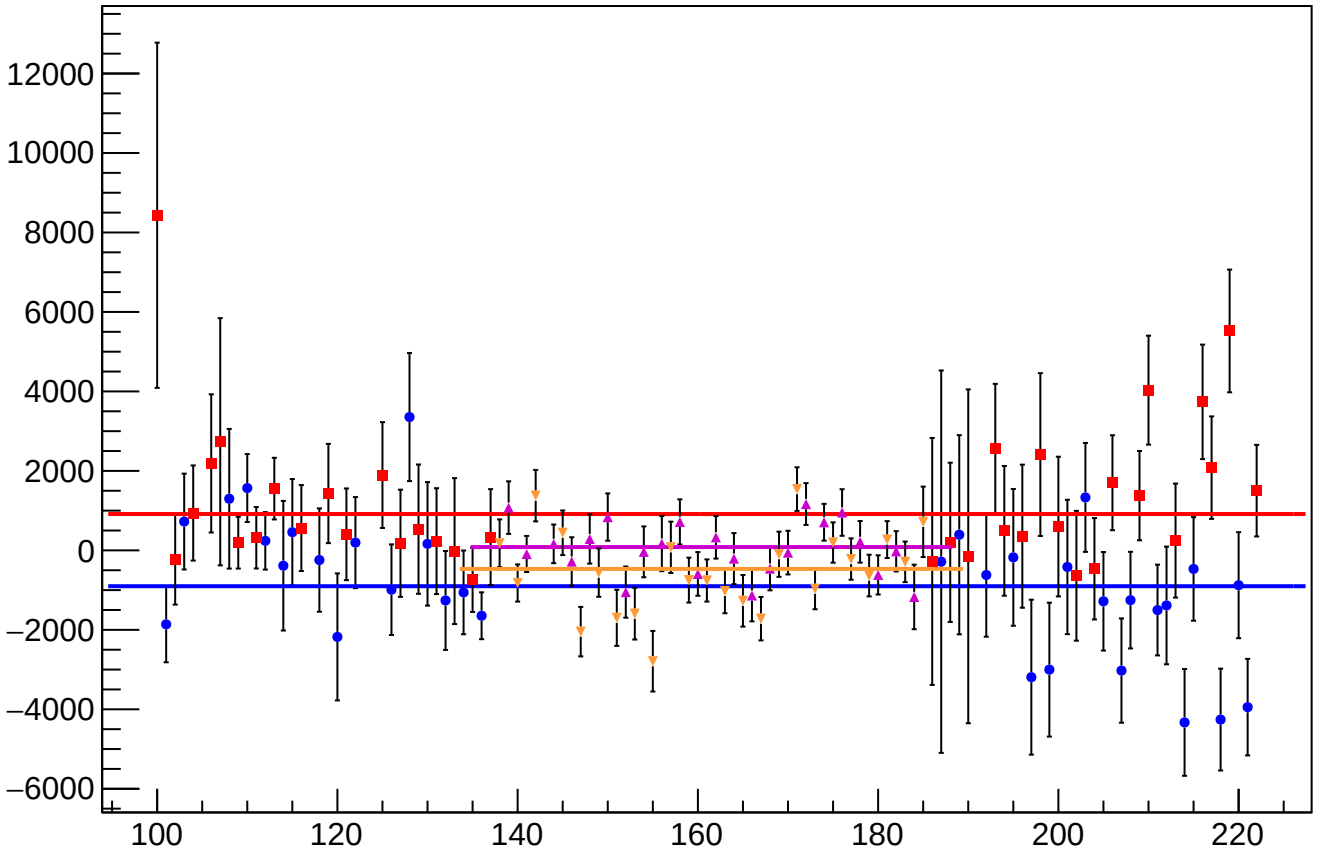
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.475+/-0.082 χ^2/NDF: 46303.1/69

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

Out: 773.113+/-0.086 χ^2/NDF:30238.5/59

All: 772.188+/-0.061 χ^2/NDF: 53680.3/116



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: 914.470+/-211.993 χ^2/NDF: 37.7/35

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

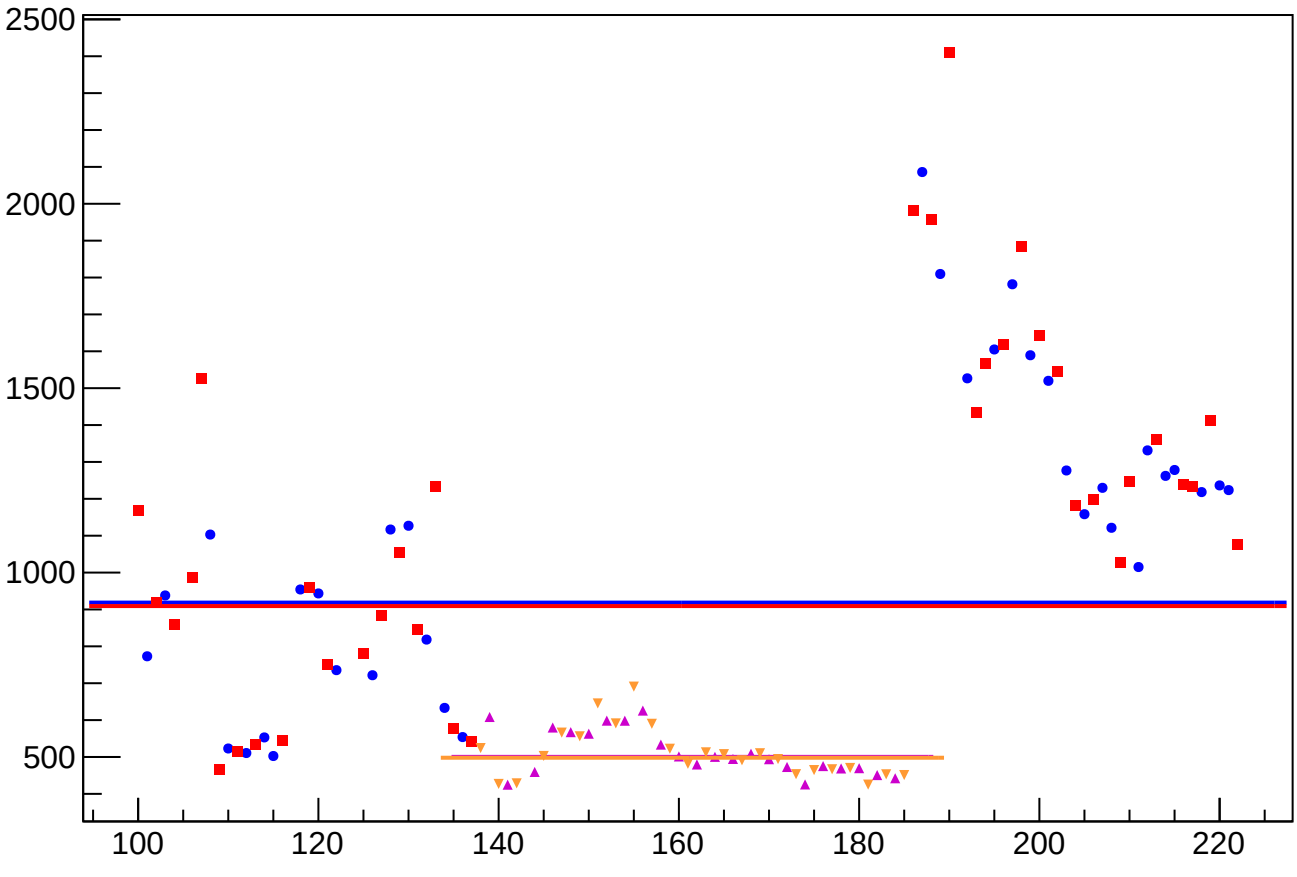
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -1.419+/-149.263 χ^2/NDF: 131.1/69

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

Out: -145.784+/-102.242 χ^2/NDF:134.7/59

All: -149.024+/-72.481 χ^2/NDF: 235.9/116



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: 909.184+/-0.150 χ^2/NDF: 6918108.3/35

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

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

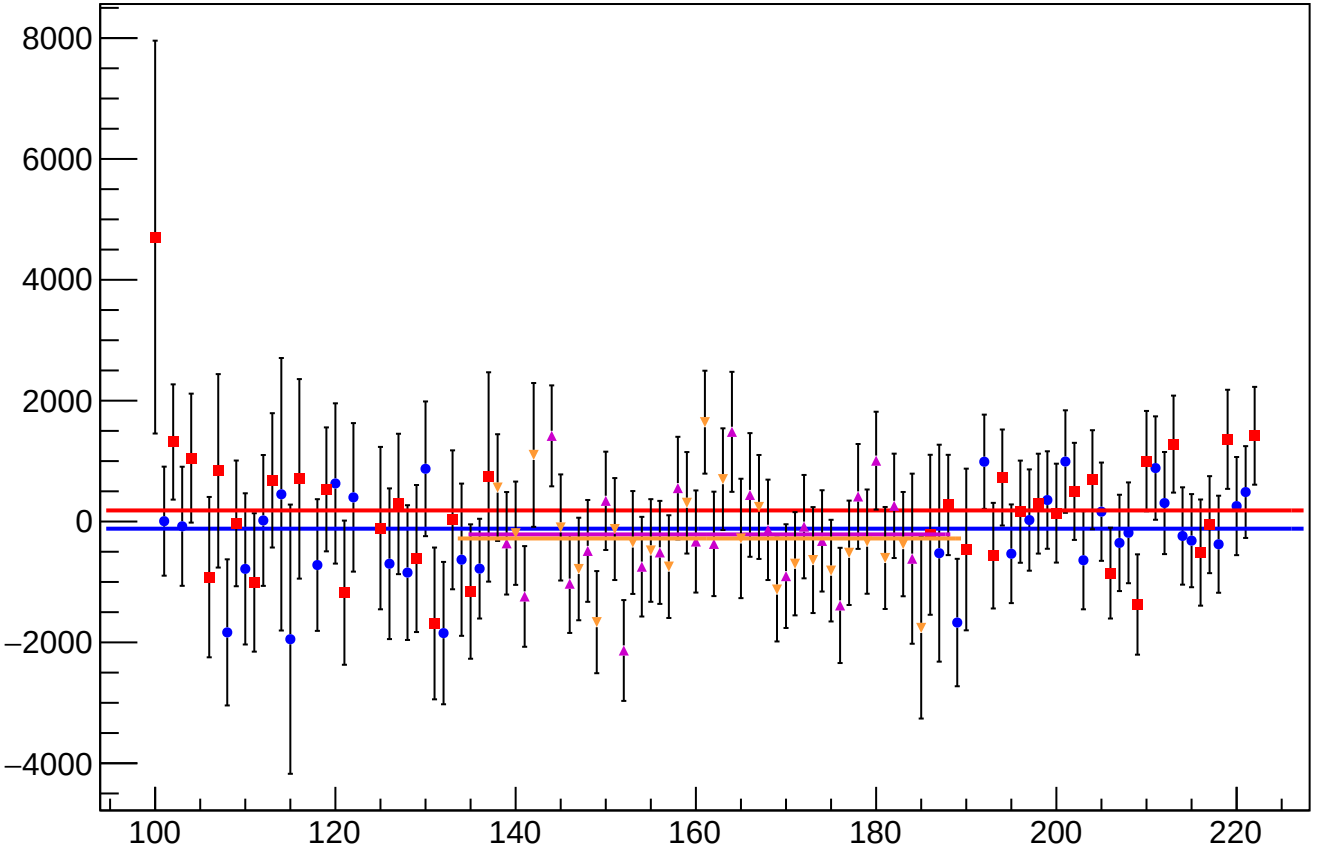
Right: 913.938+/-0.106 χ^2/NDF: 12589148.6/69

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

Out: 593.616+/-0.072 χ^2/NDF:13220101.3/59

All: 596.939+/-0.051 χ^2/NDF: 25398176.4/11

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: 183.621+/-164.379 χ^2/NDF: 27.4/35

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

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

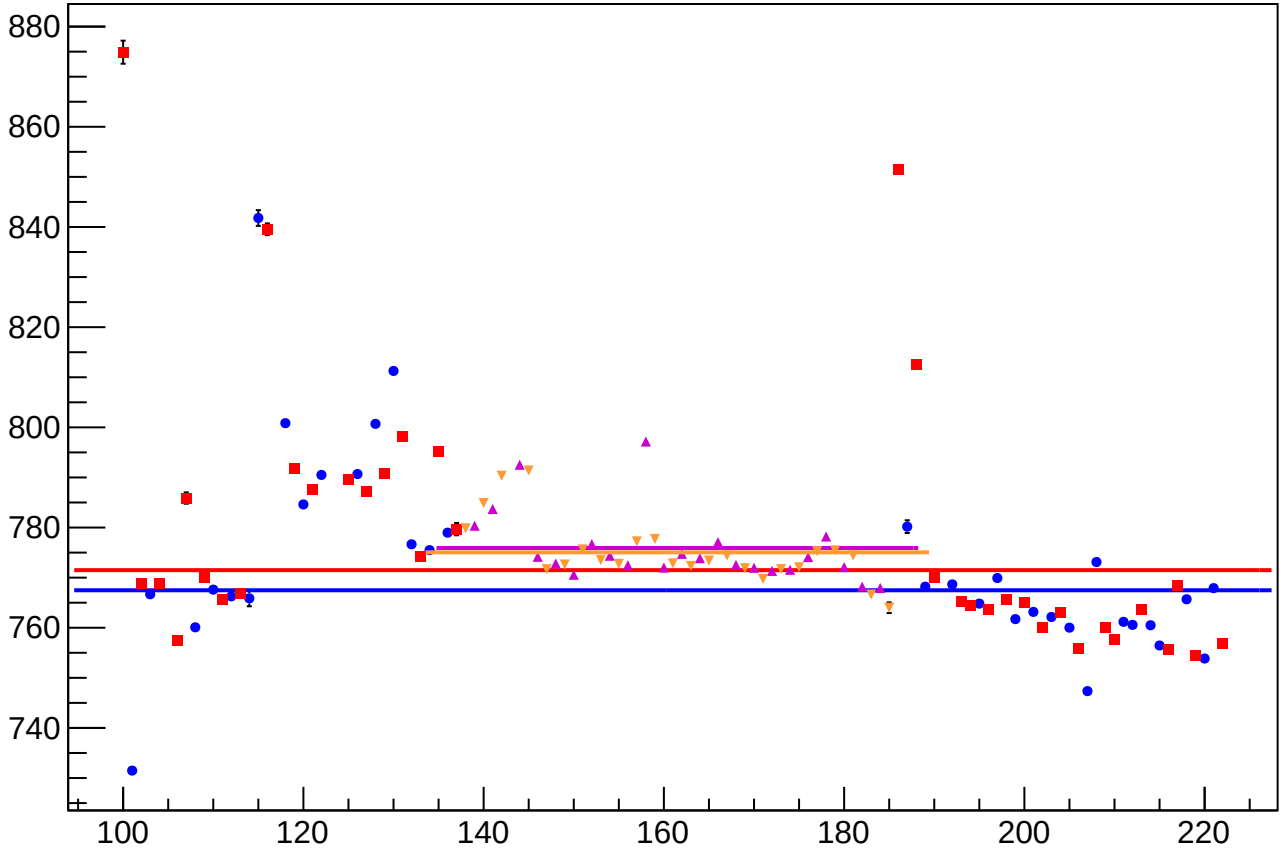
Right: 31.557+/-115.840 χ^2/NDF: 47.3/69

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

Out: -27.521+/-121.345 χ^2/NDF:47.1/59

All: -94.305+/-85.783 χ^2/NDF: 88.4/116

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: 771.497+/-0.116 χ^2/NDF: 27862.0/35

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

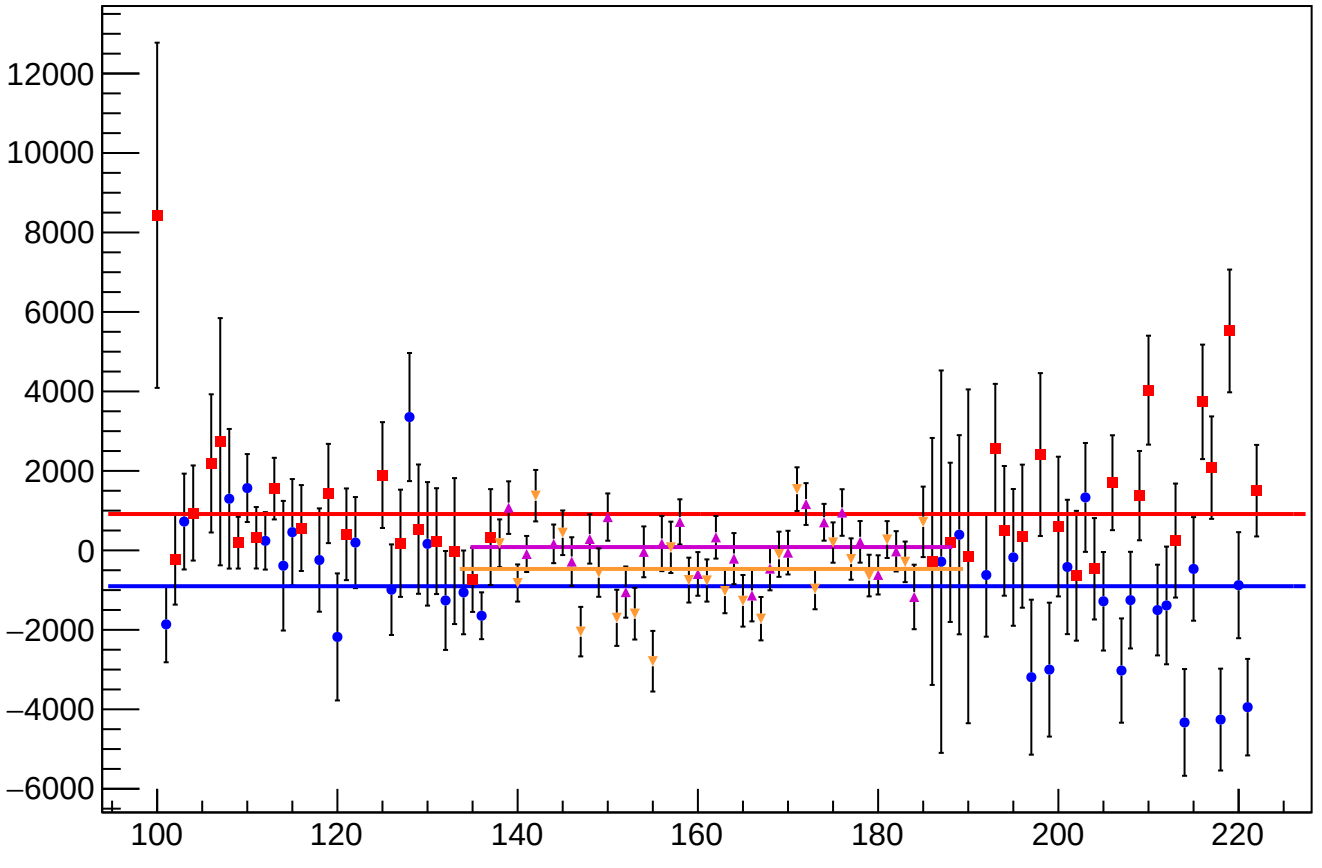
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.475+/-0.082 χ^2/NDF: 46303.1/69

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

Out: 773.113+/-0.086 χ^2/NDF:30238.5/59

All: 772.188+/-0.061 χ^2/NDF: 53680.3/116



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: 914.470+/-211.993 χ^2/NDF: 37.7/35

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

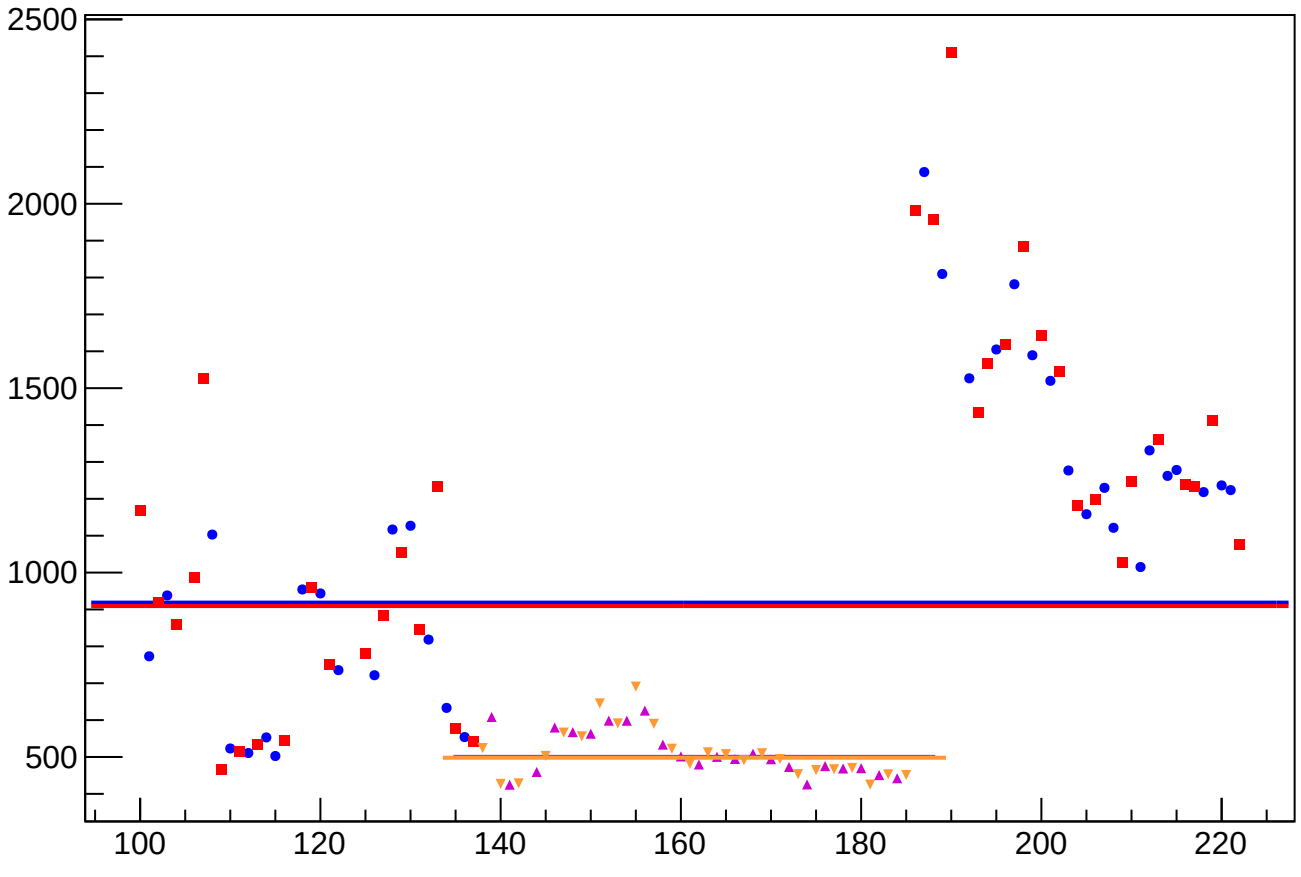
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -1.419+/-149.263 χ^2/NDF: 131.1/69

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

Out: -145.784+/-102.242 χ^2/NDF:134.7/59

All: -149.024+/-72.481 χ^2/NDF: 235.9/116



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: 909.184+/-0.150 χ^2/NDF: 6918108.3/35

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

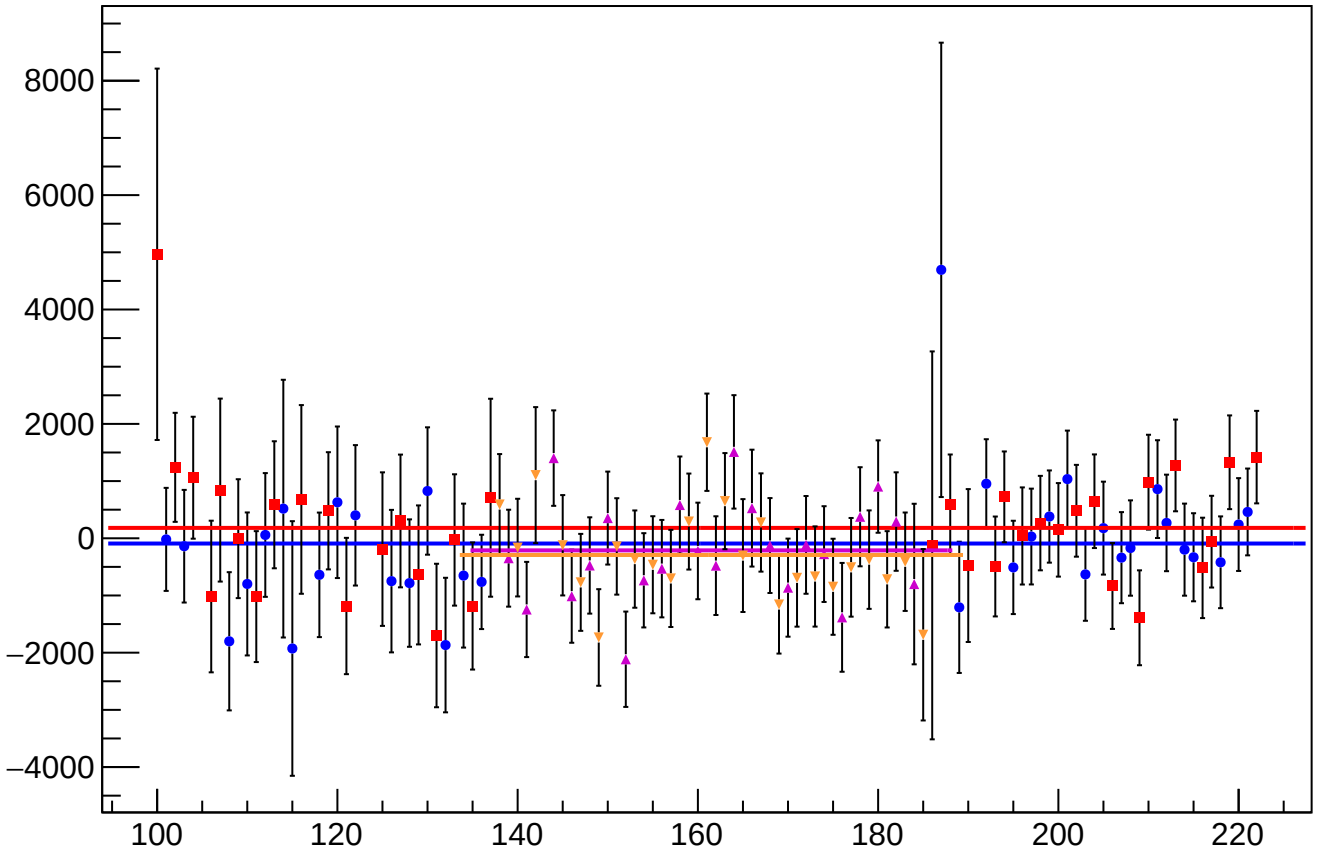
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 913.938+/-0.106 χ^2/NDF: 12589148.6/69

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

Out: 593.616+/-0.072 χ^2/NDF:13220101.3/59

All: 596.939+/-0.051 χ^2/NDF: 25398176.4/11



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: 181.653+/-165.688 χ^2/NDF: 27.5/35

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

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

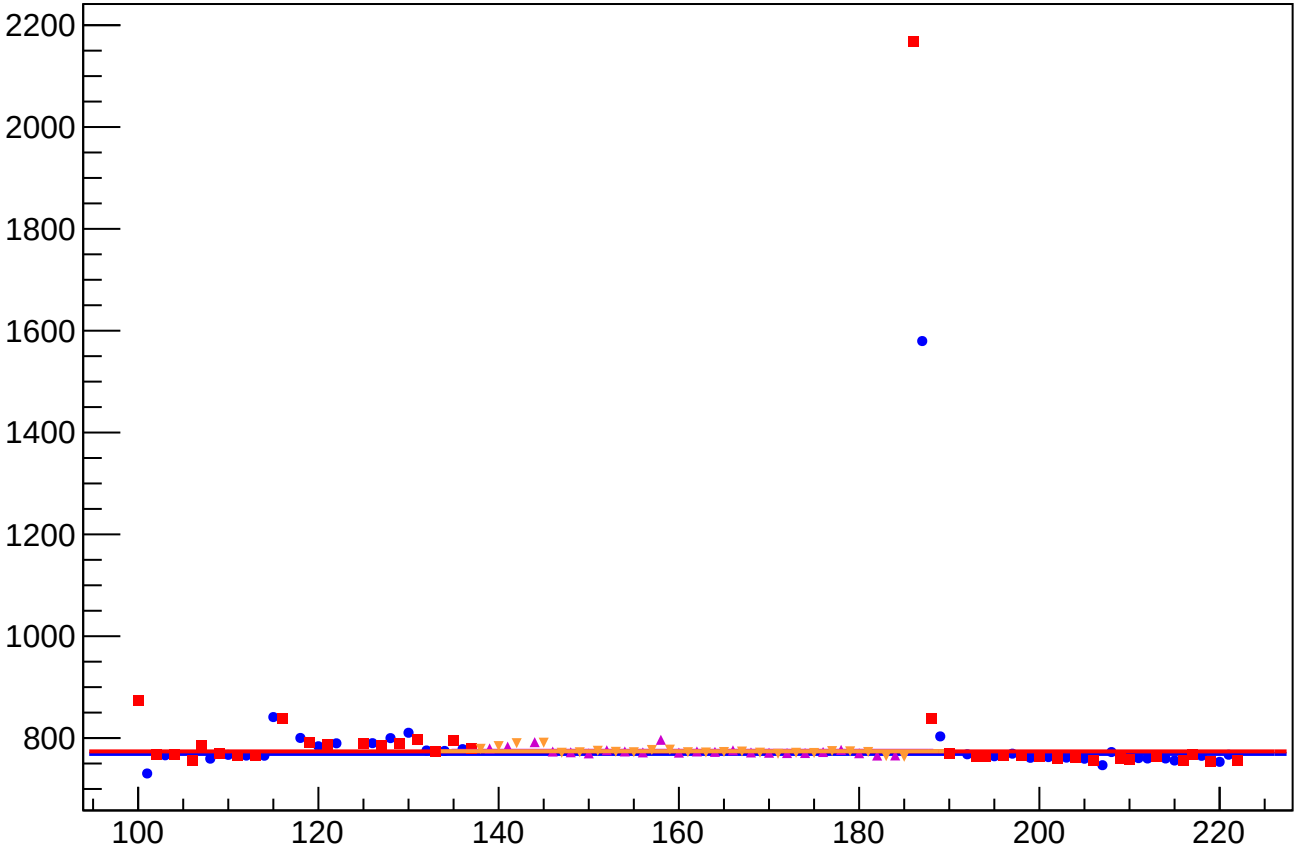
Right: 43.568+/-116.552 χ^2/NDF: 46.8/69

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

Out: -36.044+/-121.802 χ^2/NDF:47.9/59

All: -90.954+/-86.024 χ^2/NDF: 88.6/116

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: 773.798+/-0.117 χ^2/NDF: 365878.0/35

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

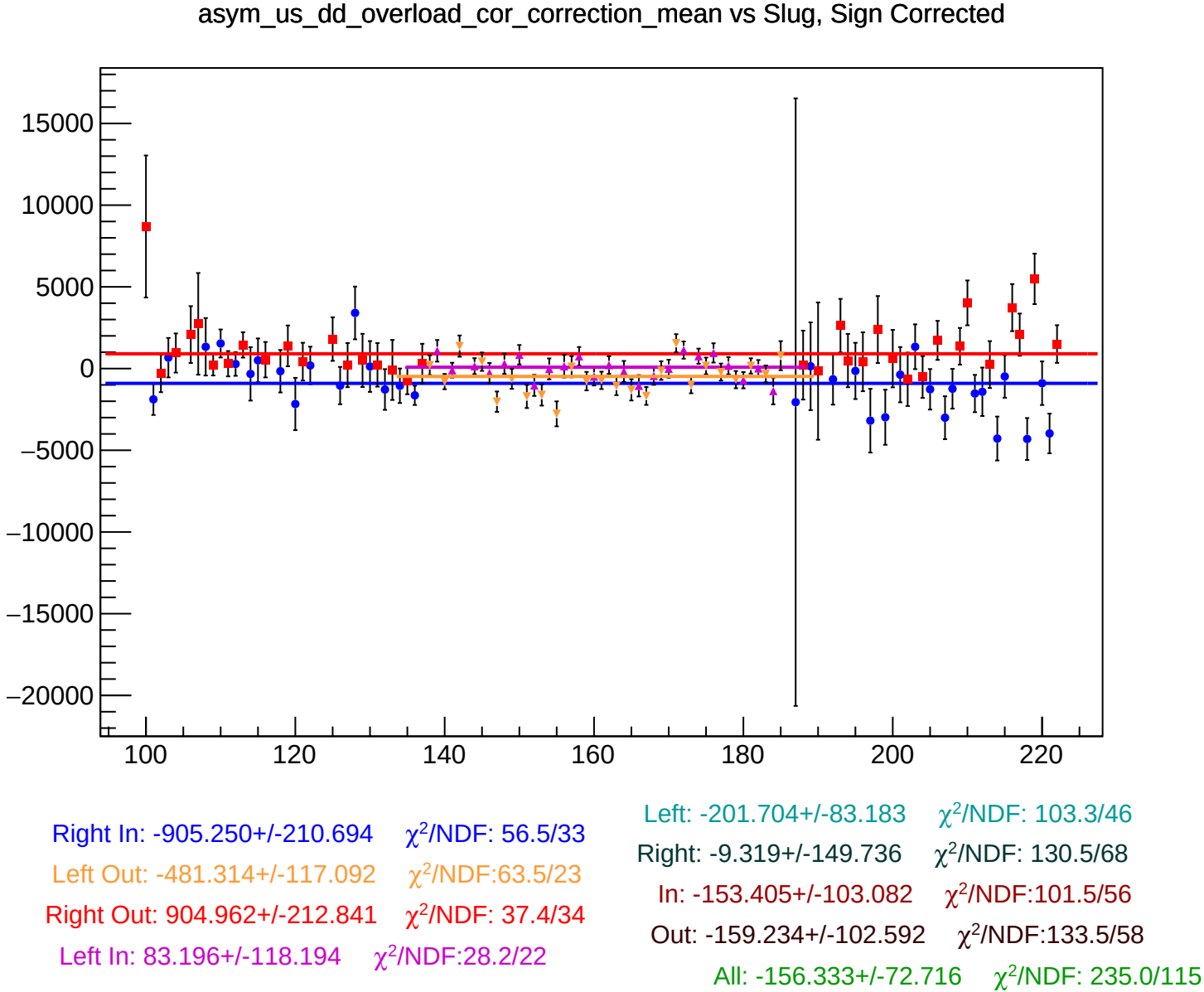
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

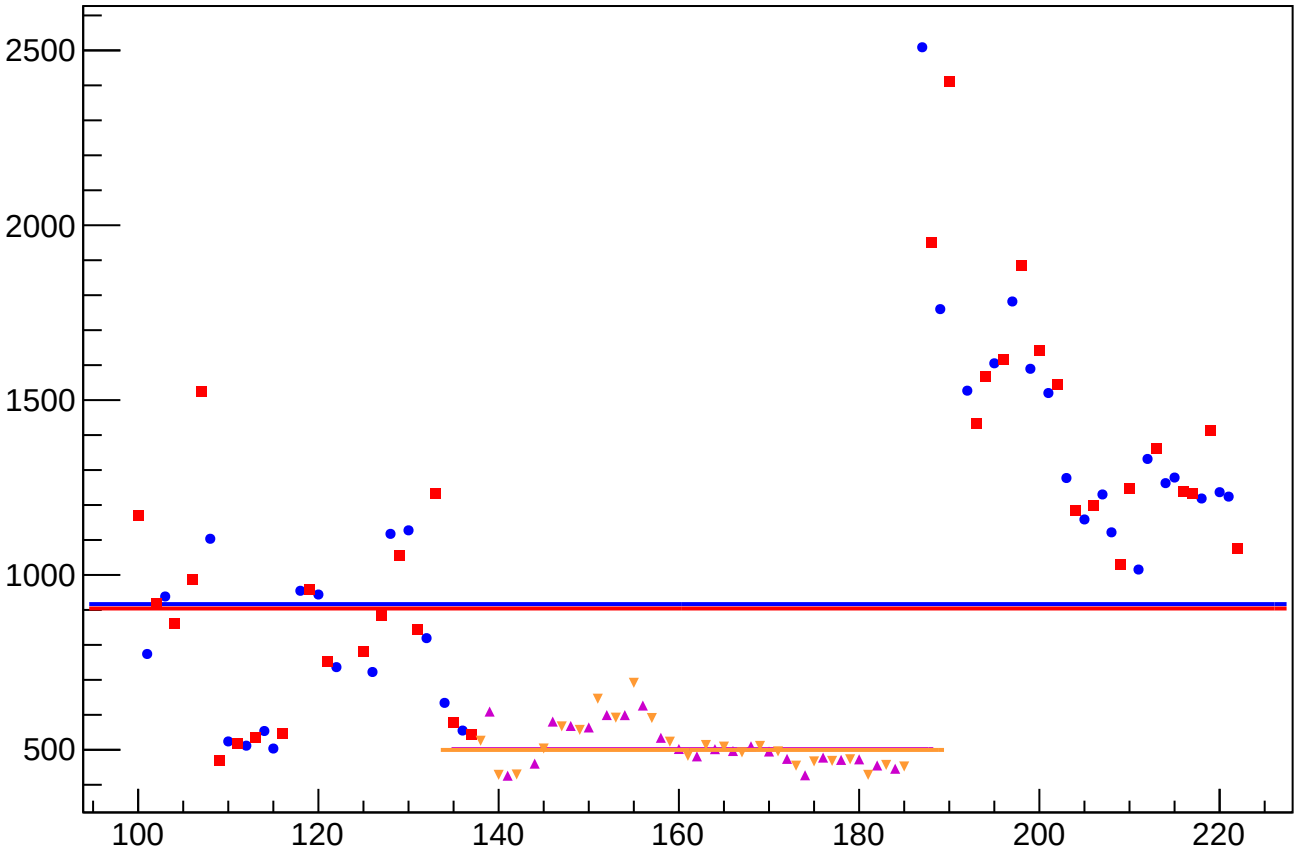
Right: 771.291+/-0.082 χ^2/NDF: 469991.9/69

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

Out: 773.956+/-0.086 χ^2/NDF:367942.3/59

All: 772.780+/-0.061 χ^2/NDF: 475940.1/116


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -905.250+/-210.694 χ²/NDF: 56.5/33
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 904.962+/-212.841 χ²/NDF: 37.4/34
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: -9.319+/-149.736 χ²/NDF: 130.5/68
In: -153.405+/-103.082 χ²/NDF:101.5/56
Out: -159.234+/-102.592 χ²/NDF:133.5/58
All: -156.333+/-72.716 χ²/NDF: 235.0/115



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: 904.106+/-0.151 χ^2/NDF: 6591476.5/34

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

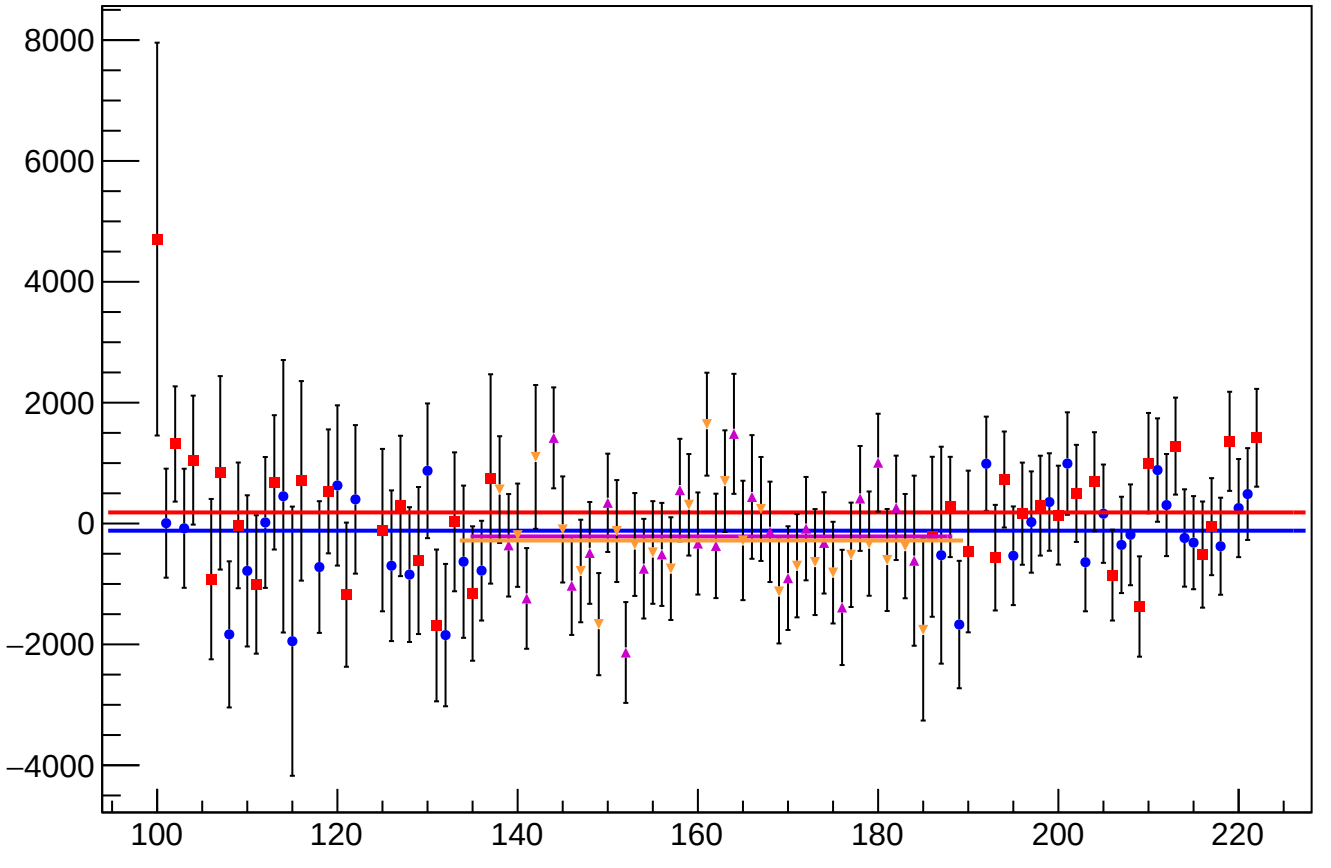
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 910.435+/-0.106 χ^2/NDF: 12084783.9/68

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

Out: 593.634+/-0.073 χ^2/NDF:12651397.0/58

All: 597.434+/-0.051 χ^2/NDF: 24505061.7/11



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: 183.621+/-164.379 χ^2/NDF: 27.4/35

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

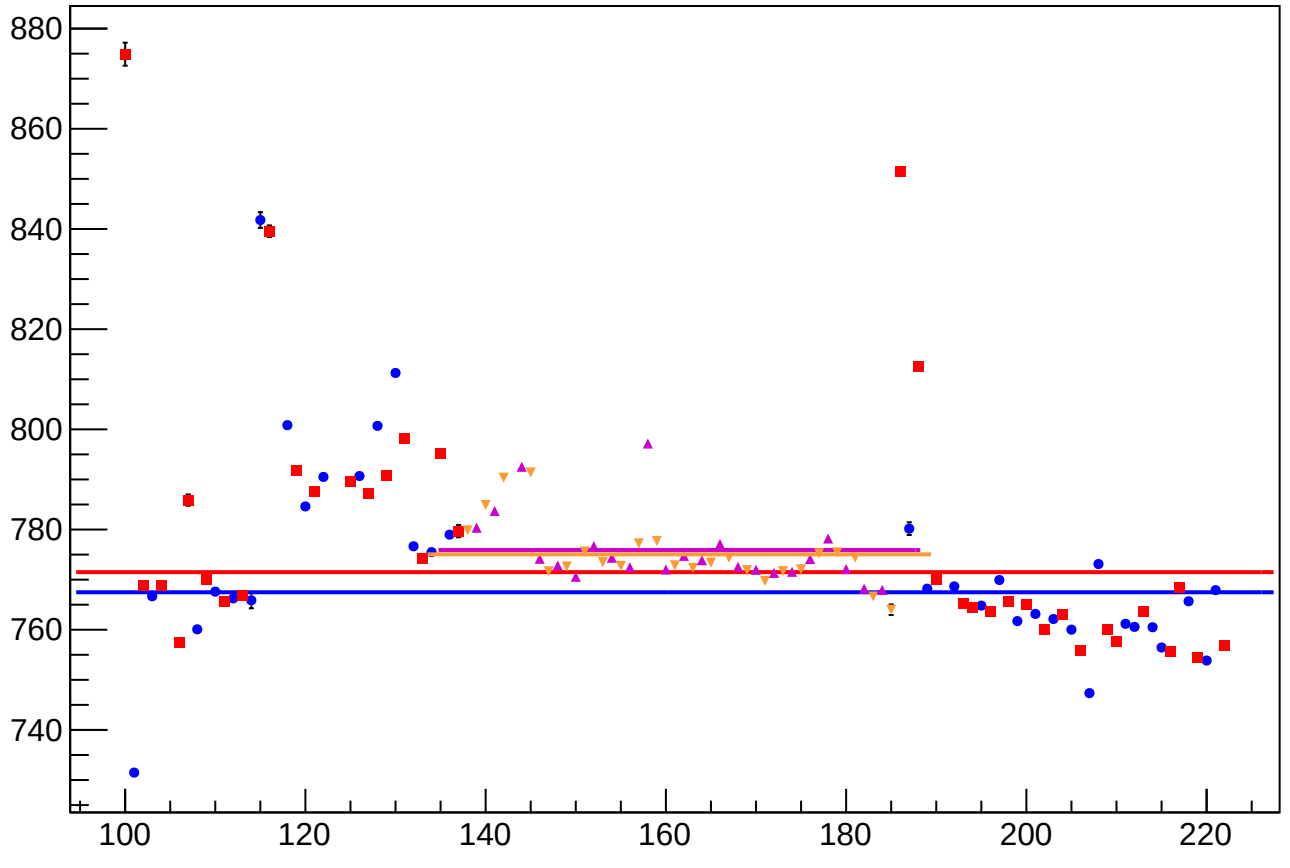
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: 31.557+/-115.840 χ^2/NDF: 47.3/69

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

Out: -27.521+/-121.345 χ^2/NDF:47.1/59

All: -94.305+/-85.783 χ^2/NDF: 88.4/116



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: 771.497+/-0.116 χ^2/NDF: 27862.0/35

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

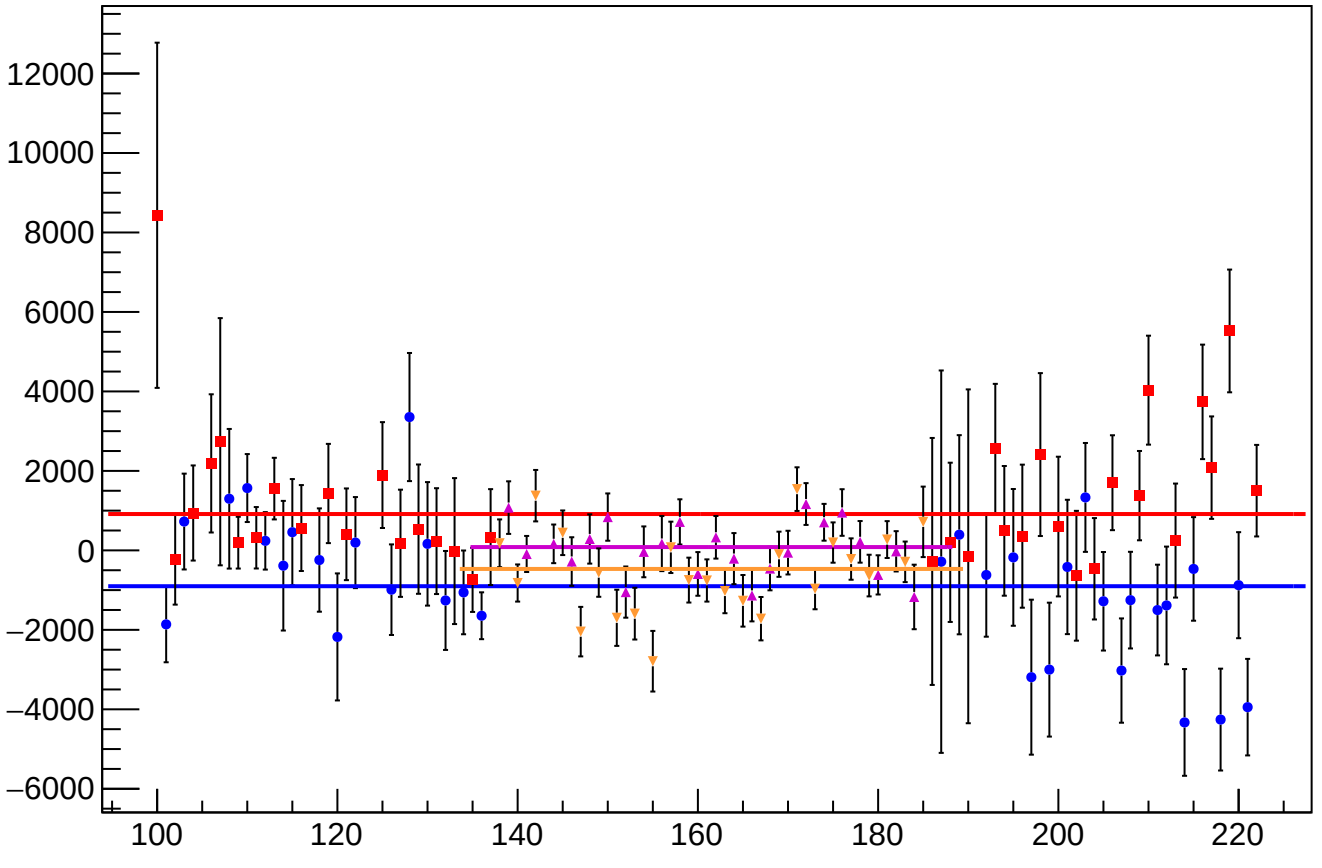
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.475+/-0.082 χ^2/NDF: 46303.1/69

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

Out: 773.113+/-0.086 χ^2/NDF:30238.5/59

All: 772.188+/-0.061 χ^2/NDF: 53680.3/116



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: 914.470+/-211.993 χ^2/NDF: 37.7/35

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

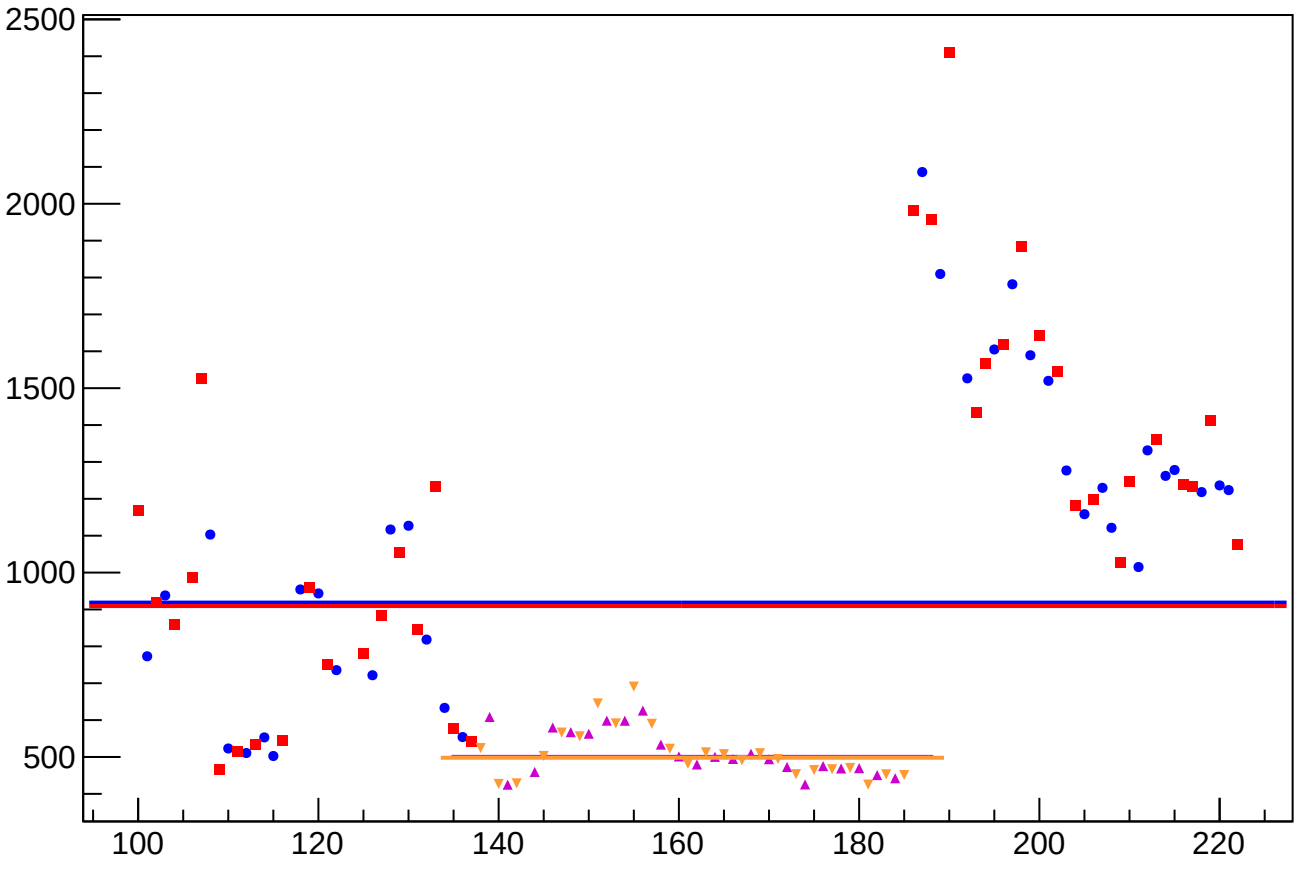
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -1.419+/-149.263 χ^2/NDF: 131.1/69

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

Out: -145.784+/-102.242 χ^2/NDF:134.7/59

All: -149.024+/-72.481 χ^2/NDF: 235.9/116



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: 909.184+/-0.150 χ^2/NDF: 6918108.3/35

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

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

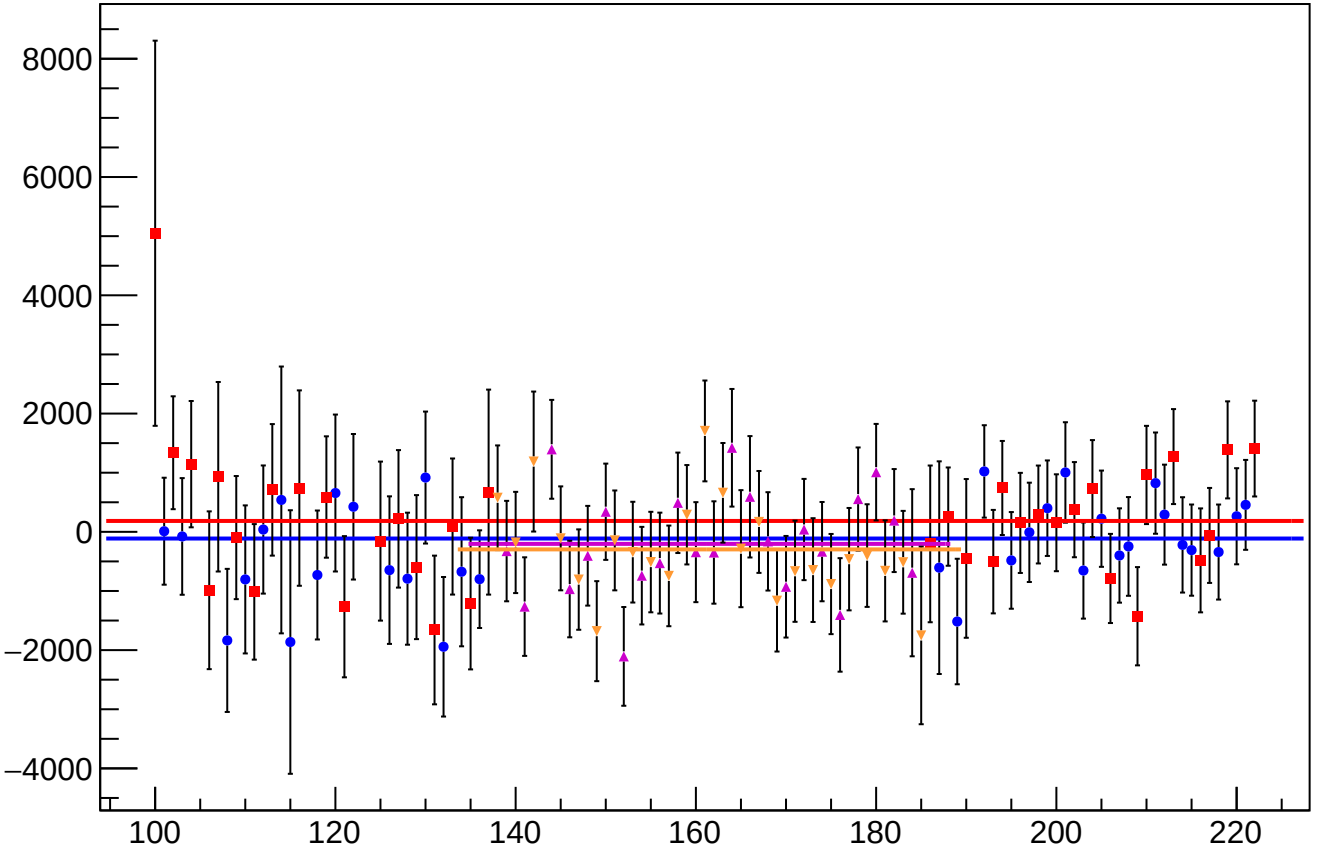
Right: 913.938+/-0.106 χ^2/NDF: 12589148.6/69

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

Out: 593.616+/-0.072 χ^2/NDF:13220101.3/59

All: 596.939+/-0.051 χ^2/NDF: 25398176.4/11

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: 184.245+/-164.564 χ^2/NDF: 28.1/35

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

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

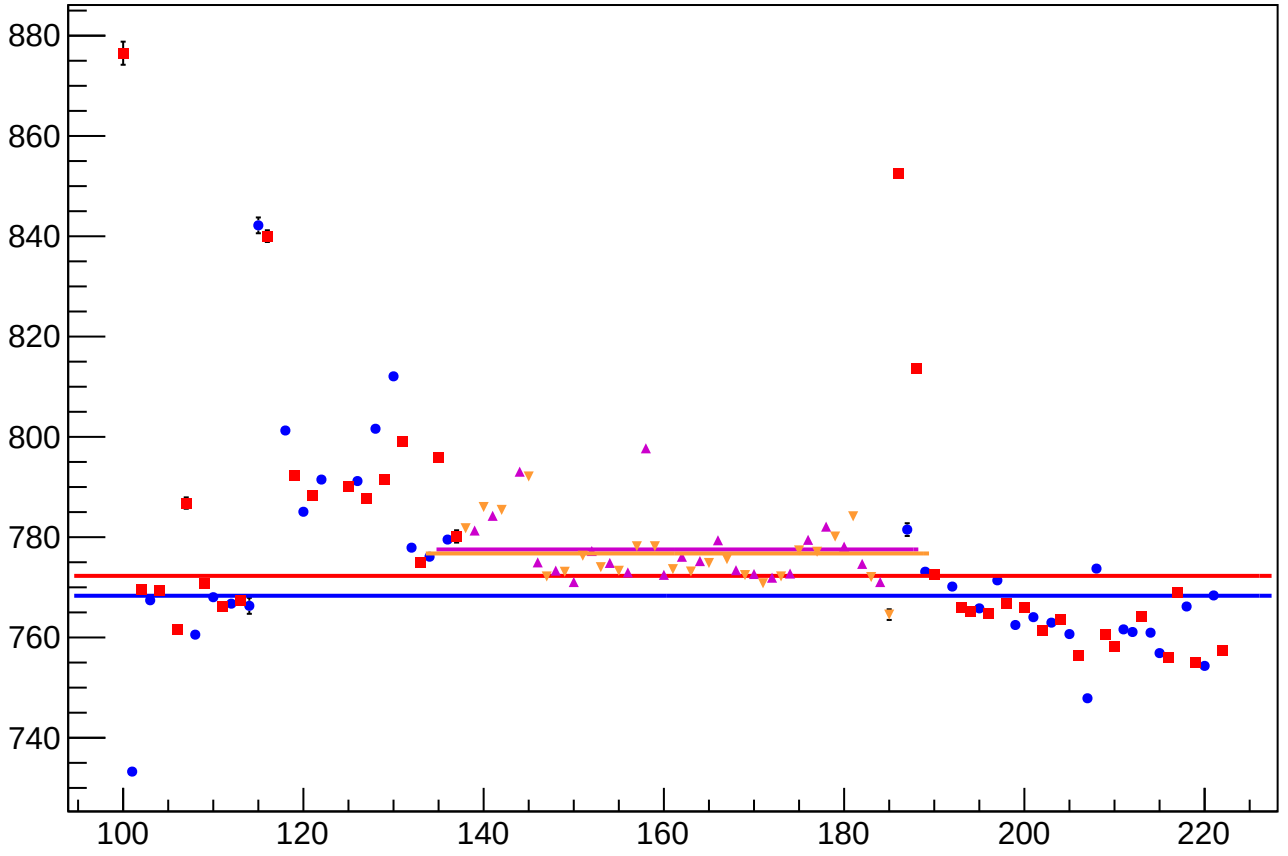
Right: 34.551+/-115.969 χ^2/NDF: 47.8/69

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

Out: -34.385+/-121.541 χ^2/NDF:48.7/59

All: -93.983+/-85.919 χ^2/NDF: 89.4/116

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: 772.285+/-0.116 χ^2/NDF: 27874.2/35

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

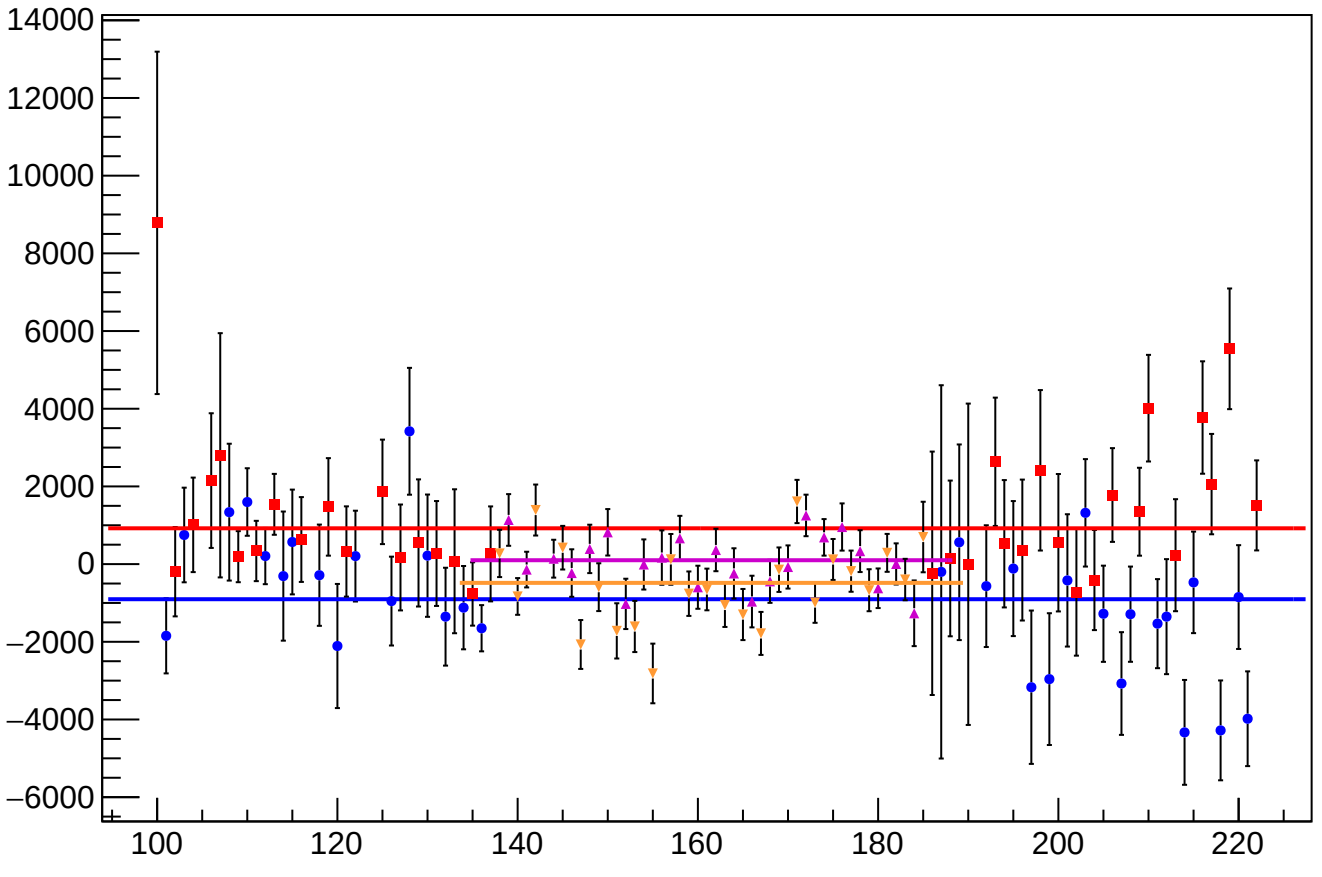
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.289+/-0.082 χ^2/NDF: 46213.3/69

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

Out: 774.315+/-0.086 χ^2/NDF:30370.0/59

All: 773.383+/-0.061 χ^2/NDF: 53965.6/116



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: 921.802+/-213.644 χ^2/NDF: 37.7/35

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

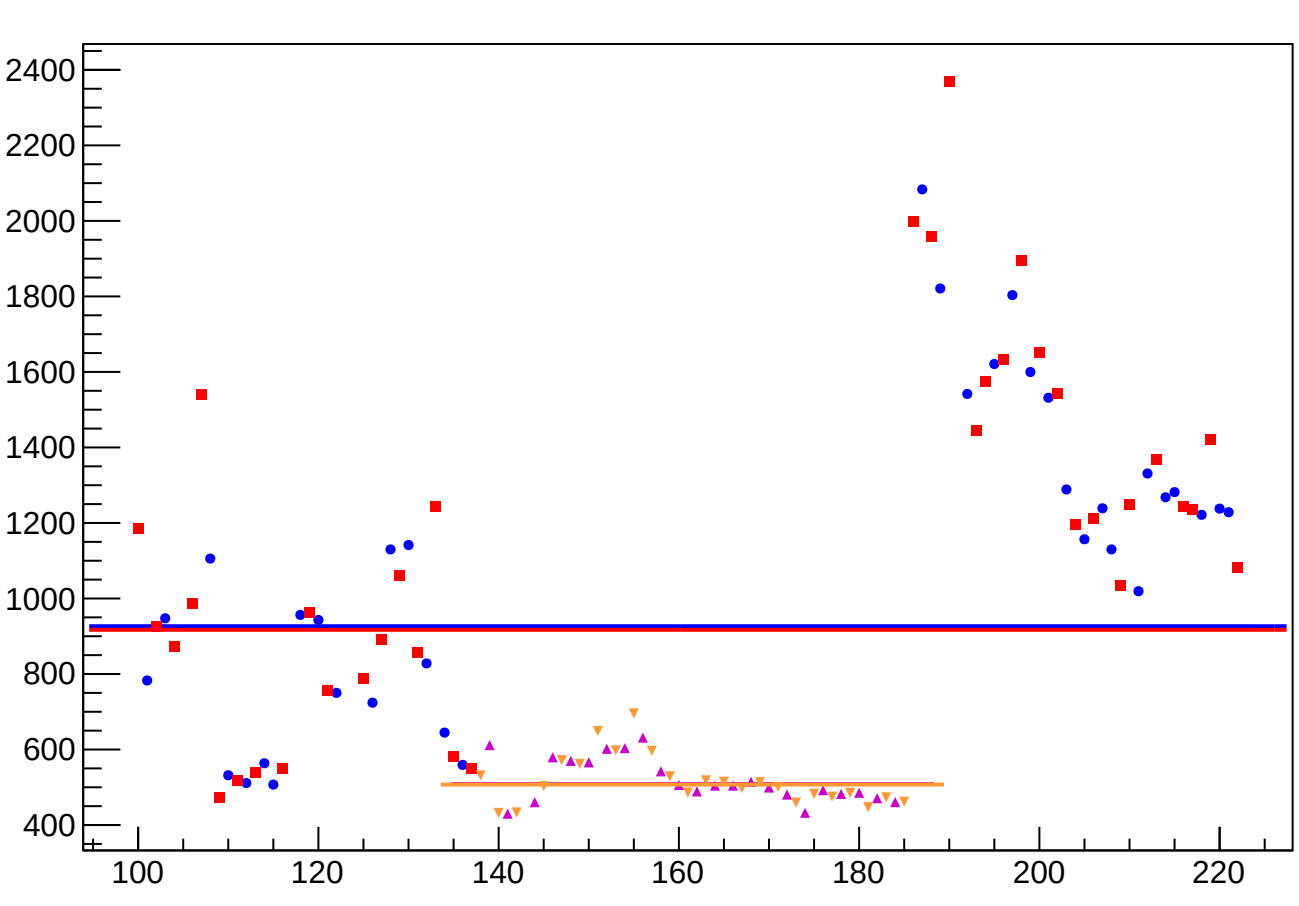
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 1.396+/-150.438 χ^2/NDF: 131.1/69

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

Out: -151.105+/-103.831 χ^2/NDF:135.9/59

All: -146.974+/-73.550 χ^2/NDF: 236.8/116



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: 917.051+/-0.151 χ^2/NDF: 6858967.3/35

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

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

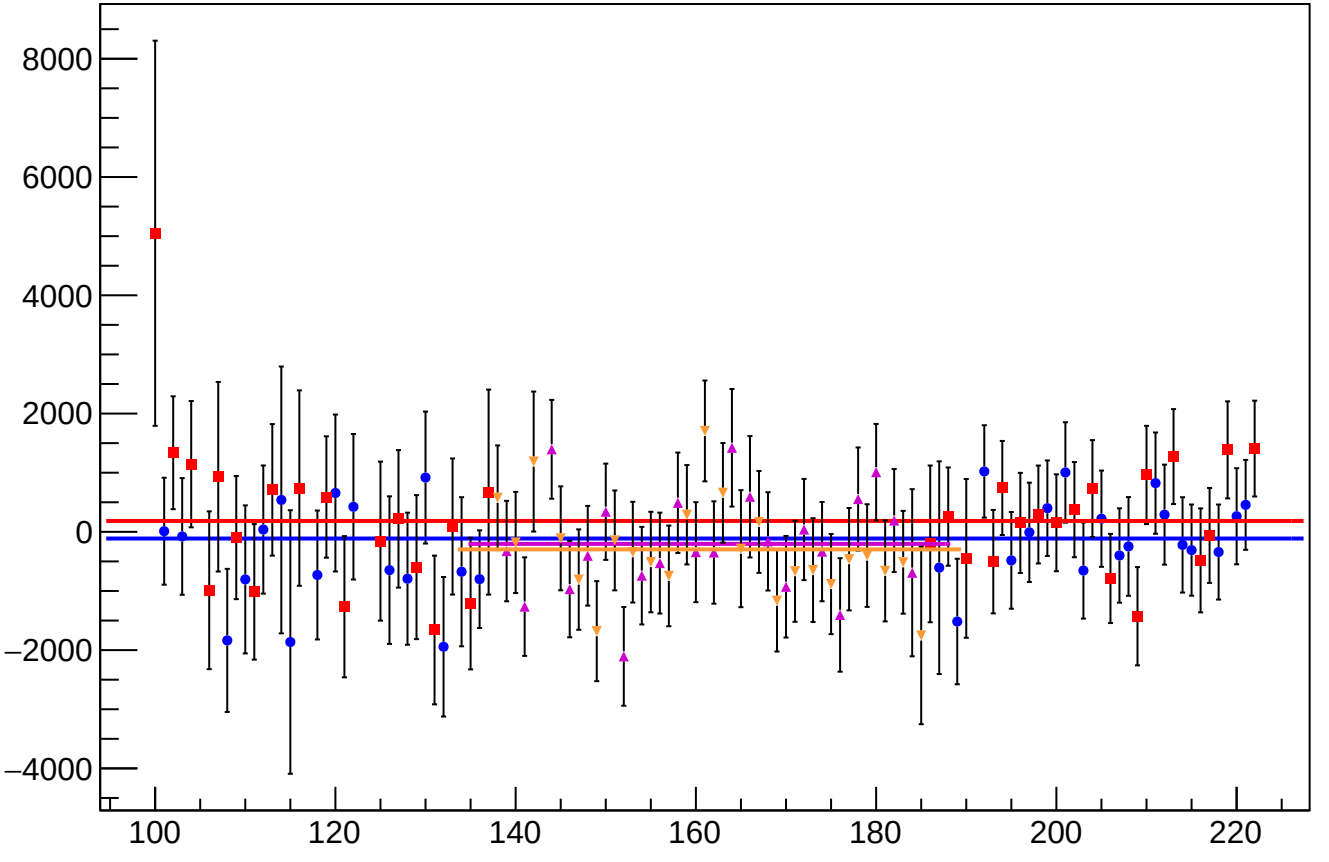
Right: 921.847+/-0.106 χ^2/NDF: 12481097.3/69

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

Out: 604.096+/-0.073 χ^2/NDF:12951574.6/59

All: 606.902+/-0.052 χ^2/NDF: 24906662.7/11

eigen_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: 184.242+/-164.564 χ^2/NDF: 28.1/35

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

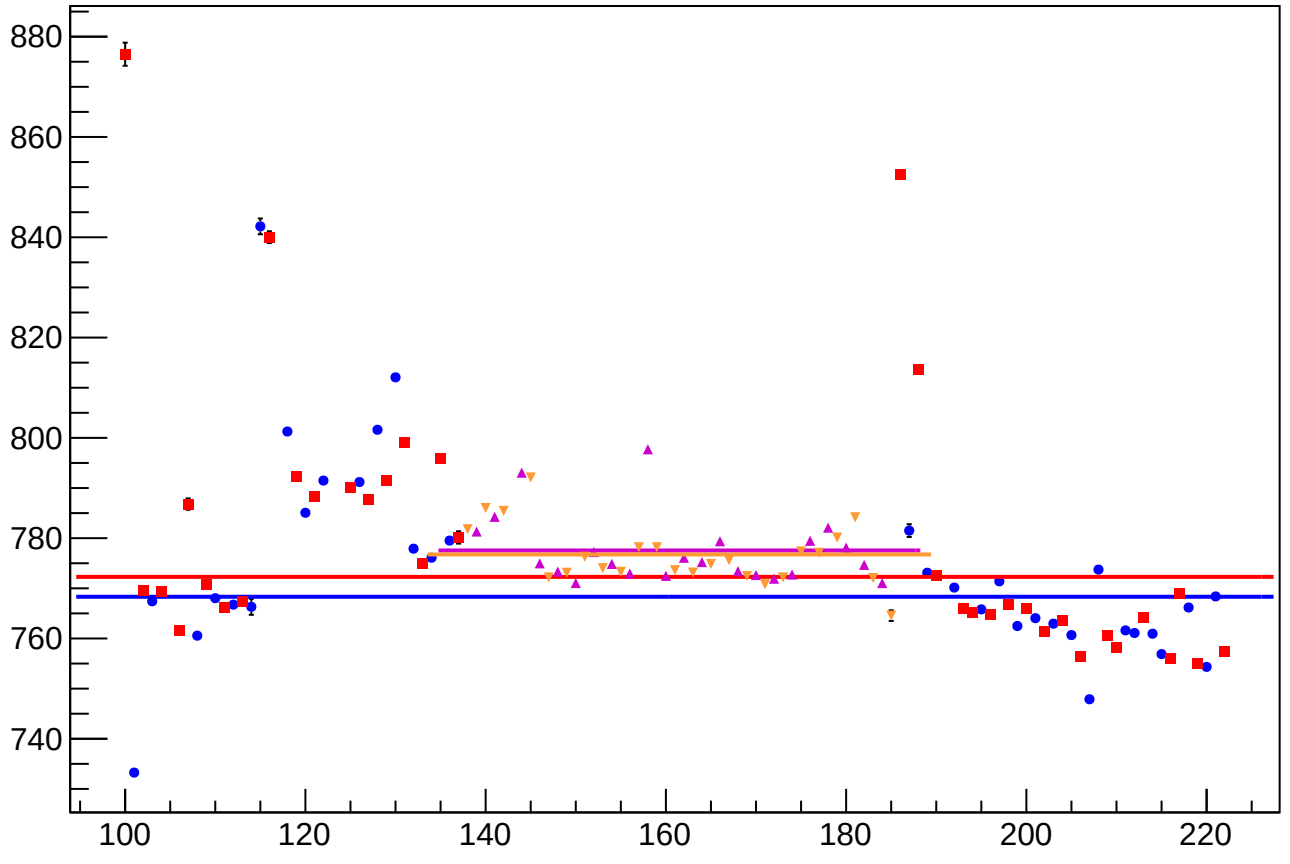
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: 34.550+/-115.969 χ^2/NDF: 47.8/69

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

Out: -34.388+/-121.541 χ^2/NDF:48.7/59

All: -93.984+/-85.919 χ^2/NDF: 89.4/116



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: 772.285+/-0.116 χ^2/NDF: 27874.2/35

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

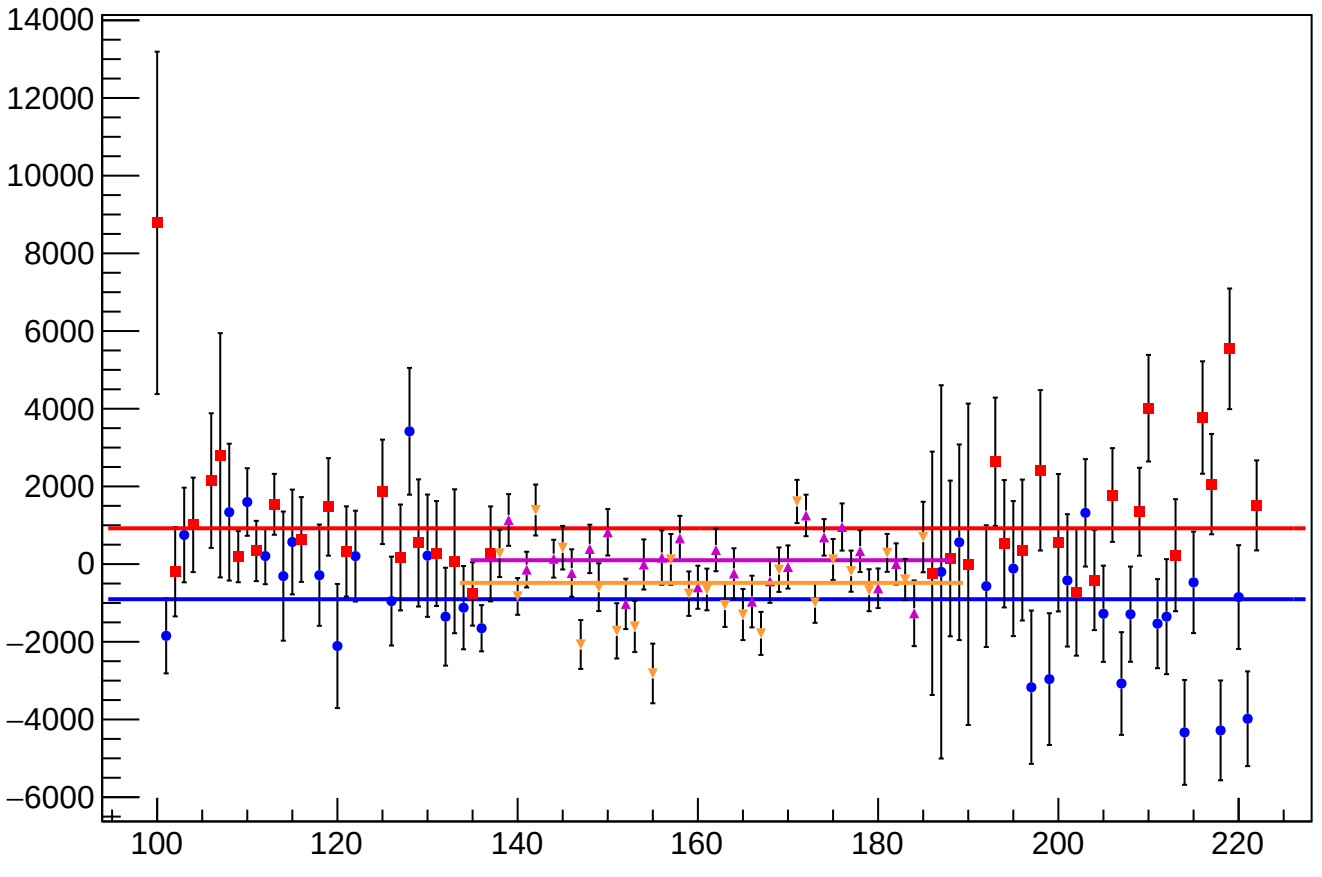
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.289+/-0.082 χ^2/NDF: 46213.2/69

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

Out: 774.315+/-0.086 χ^2/NDF:30370.0/59

All: 773.383+/-0.061 χ^2/NDF: 53965.5/116



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: 921.799+/-213.644 χ^2/NDF: 37.7/35

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

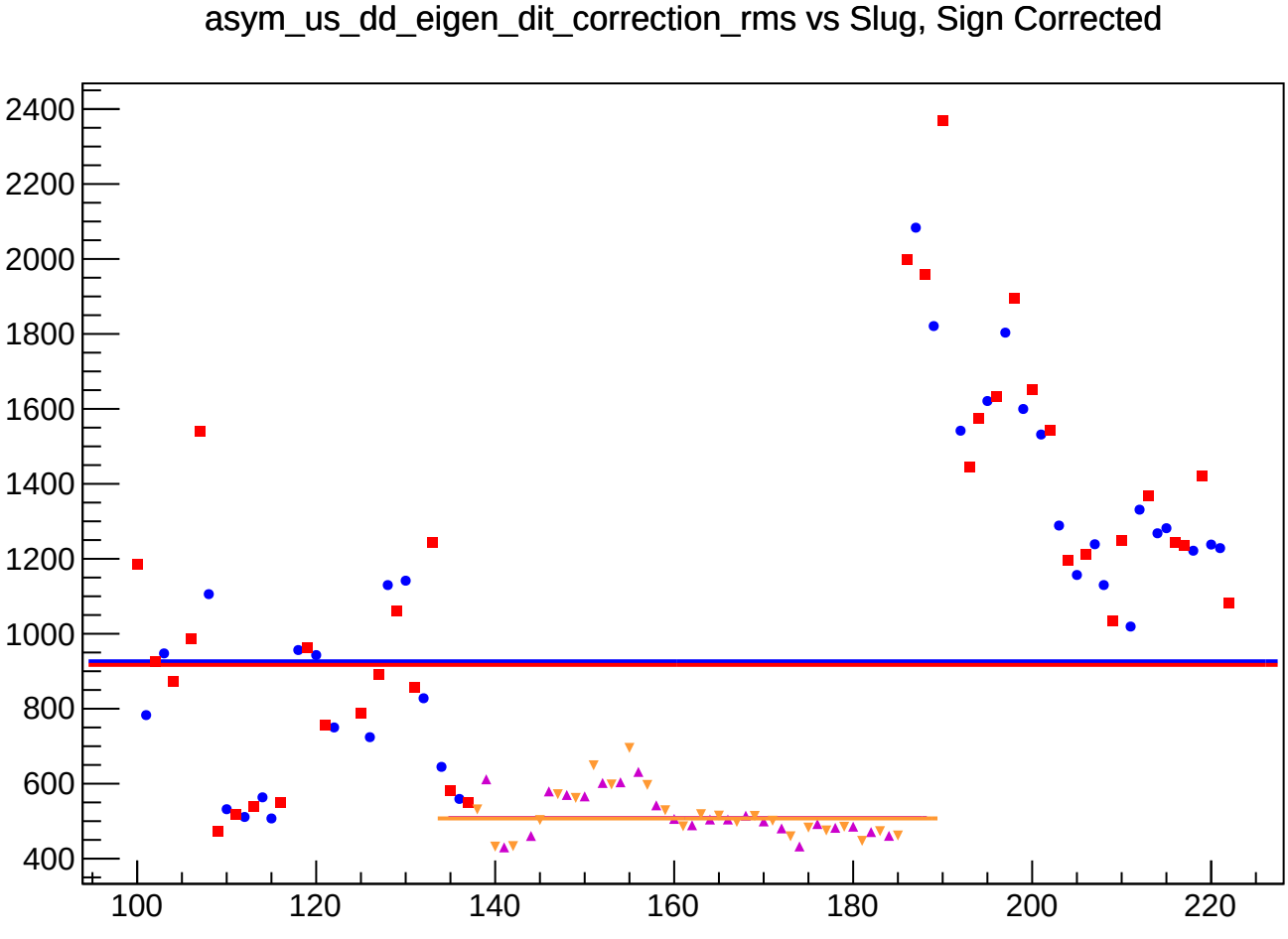
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 1.398+/-150.438 χ^2/NDF: 131.1/69

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

Out: -151.104+/-103.831 χ^2/NDF:135.9/59

All: -146.974+/-73.550 χ^2/NDF: 236.8/116



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: 917.048+/-0.151 χ^2/NDF: 6859044.9/35

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

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

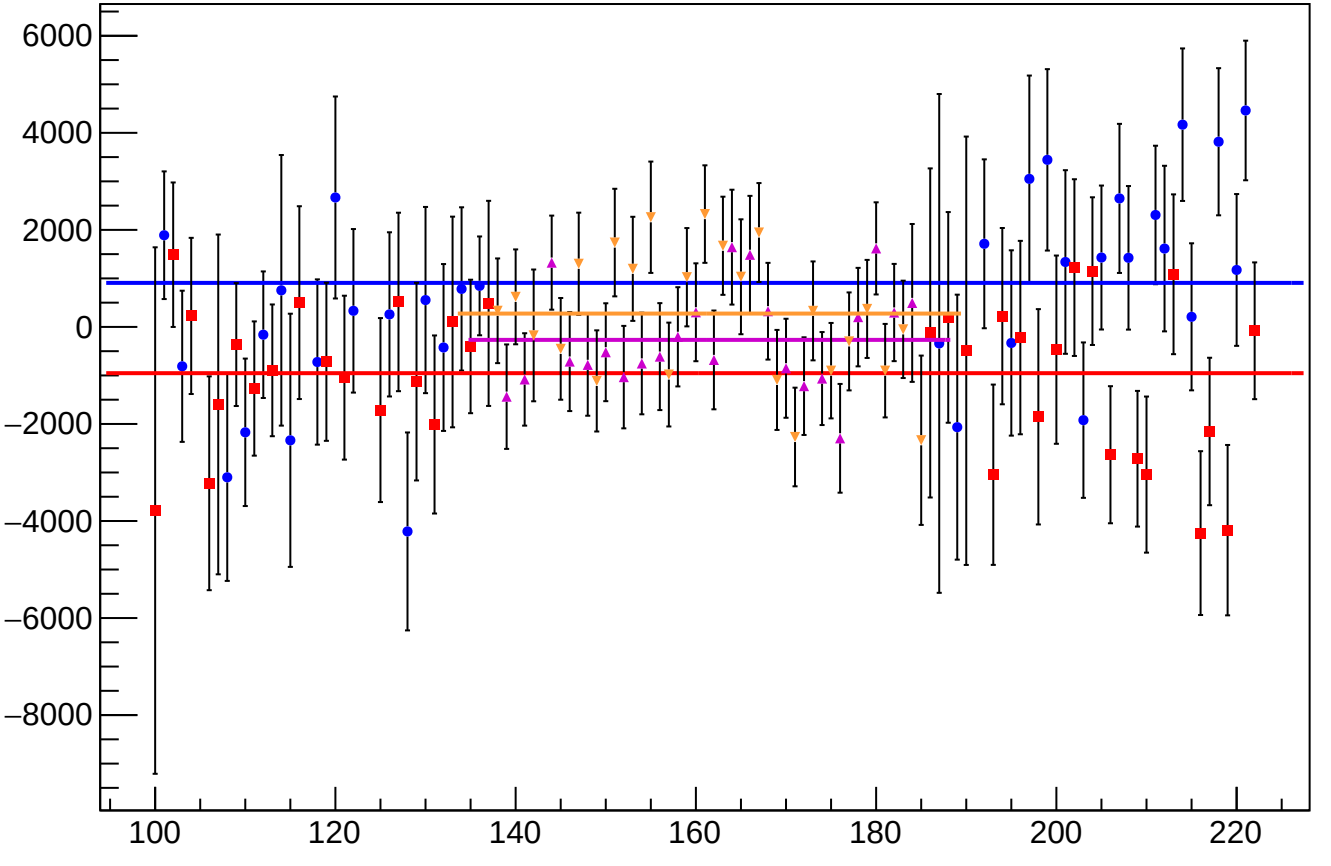
Right: 921.844+/-0.106 χ^2/NDF: 12481256.0/69

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

Out: 604.096+/-0.073 χ^2/NDF:12951587.1/59

All: 606.902+/-0.052 χ^2/NDF: 24906703.3/11

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: -953.276+/-292.603 χ^2/NDF: 27.6/35

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

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

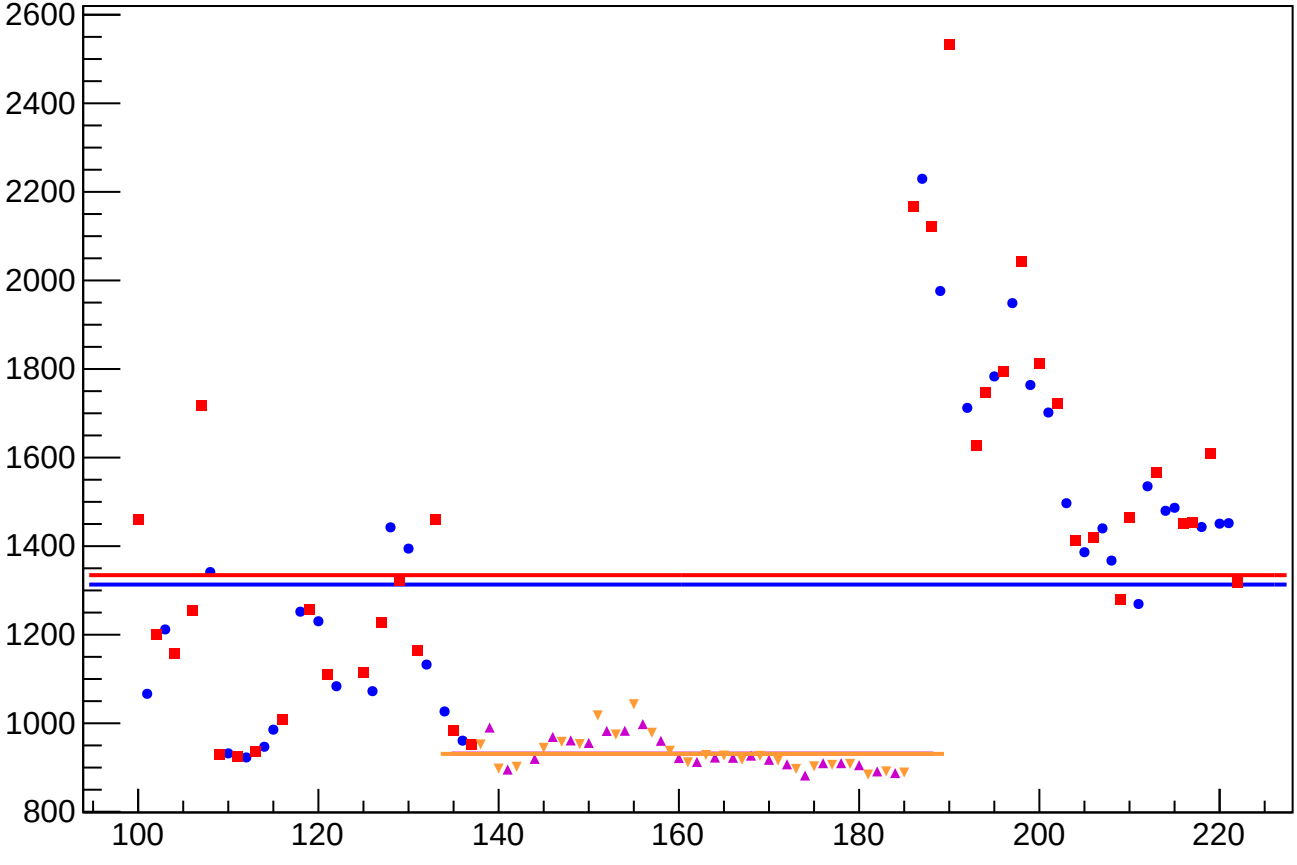
Right: -1.116+/-204.472 χ^2/NDF: 93.7/69

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -158.879+/-173.930 χ^2/NDF:72.6/59

All: 3.311+/-122.723 χ^2/NDF: 151.8/116

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: 1334.502+/-0.207 χ^2/NDF: 2313301.7/35

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

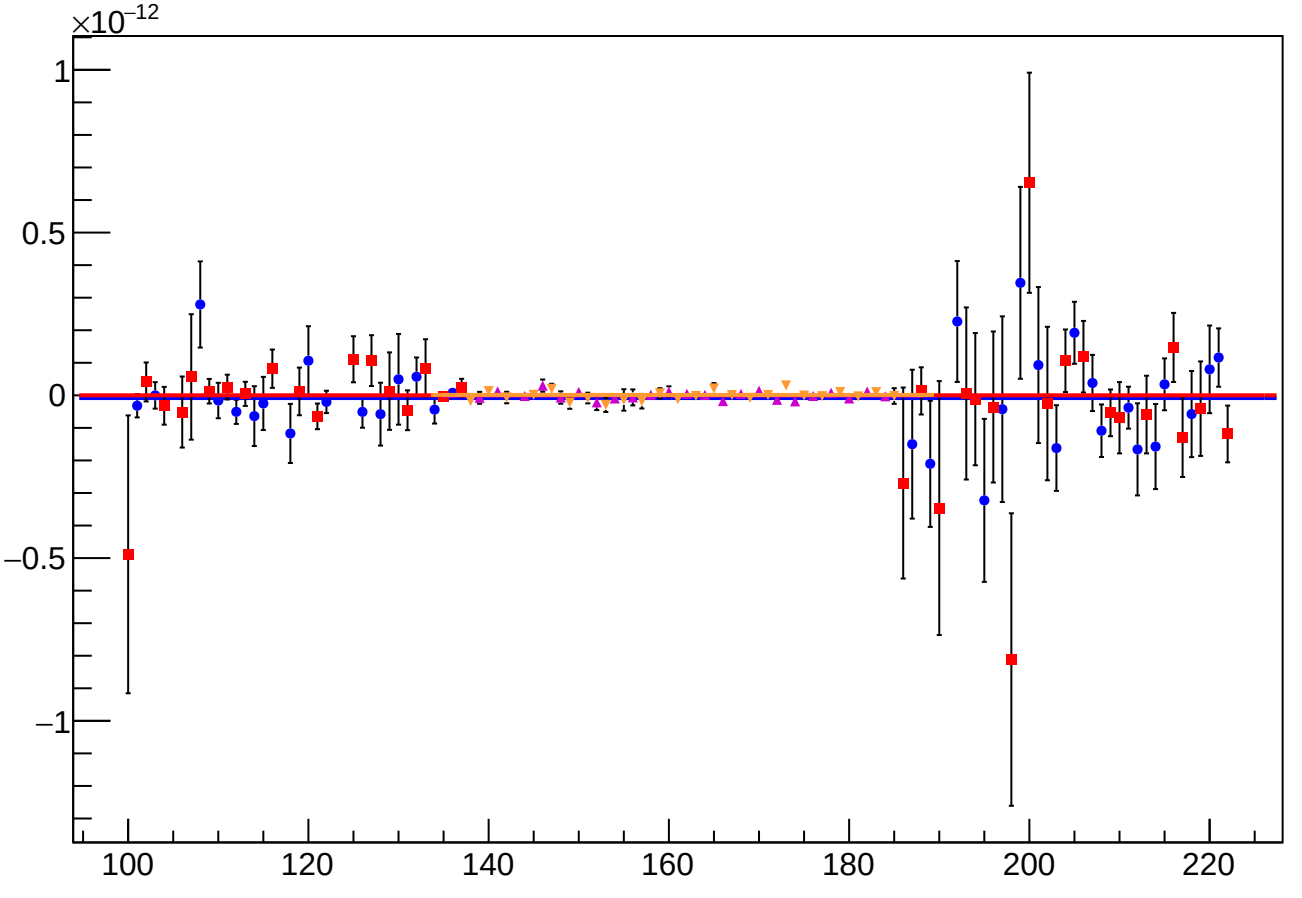
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1323.642+/-0.145 χ^2/NDF: 4150548.9/69

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

Out: 1073.522+/-0.123 χ^2/NDF:4835671.1/59

All: 1072.595+/-0.087 χ^2/NDF: 8973896.9/11



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: 31.6/35

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

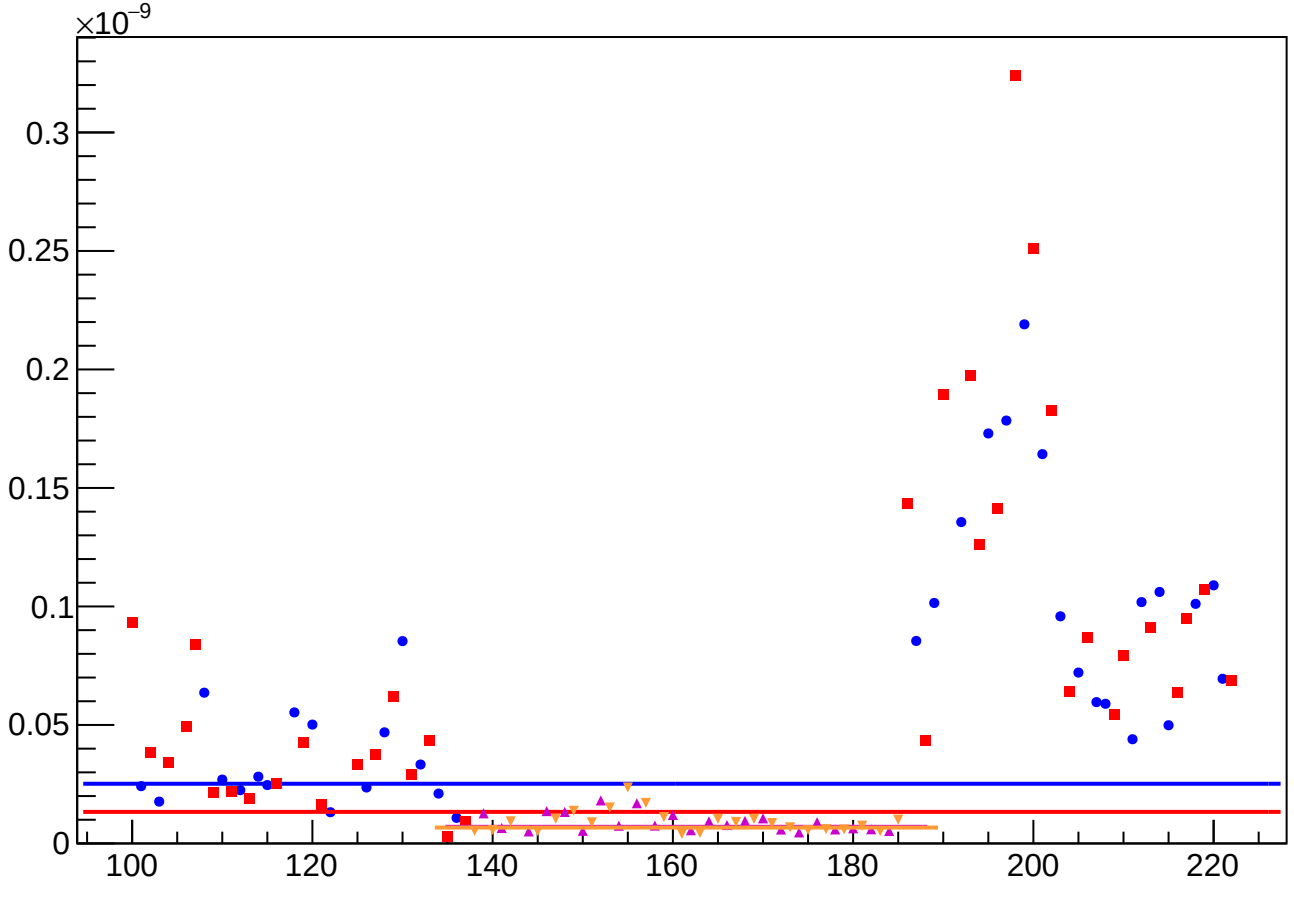
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 65.4/69

In: -0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:57.3/59

All: 0.000+/-0.000 χ^2/NDF: 113.7/116



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: 18742291.3/35

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

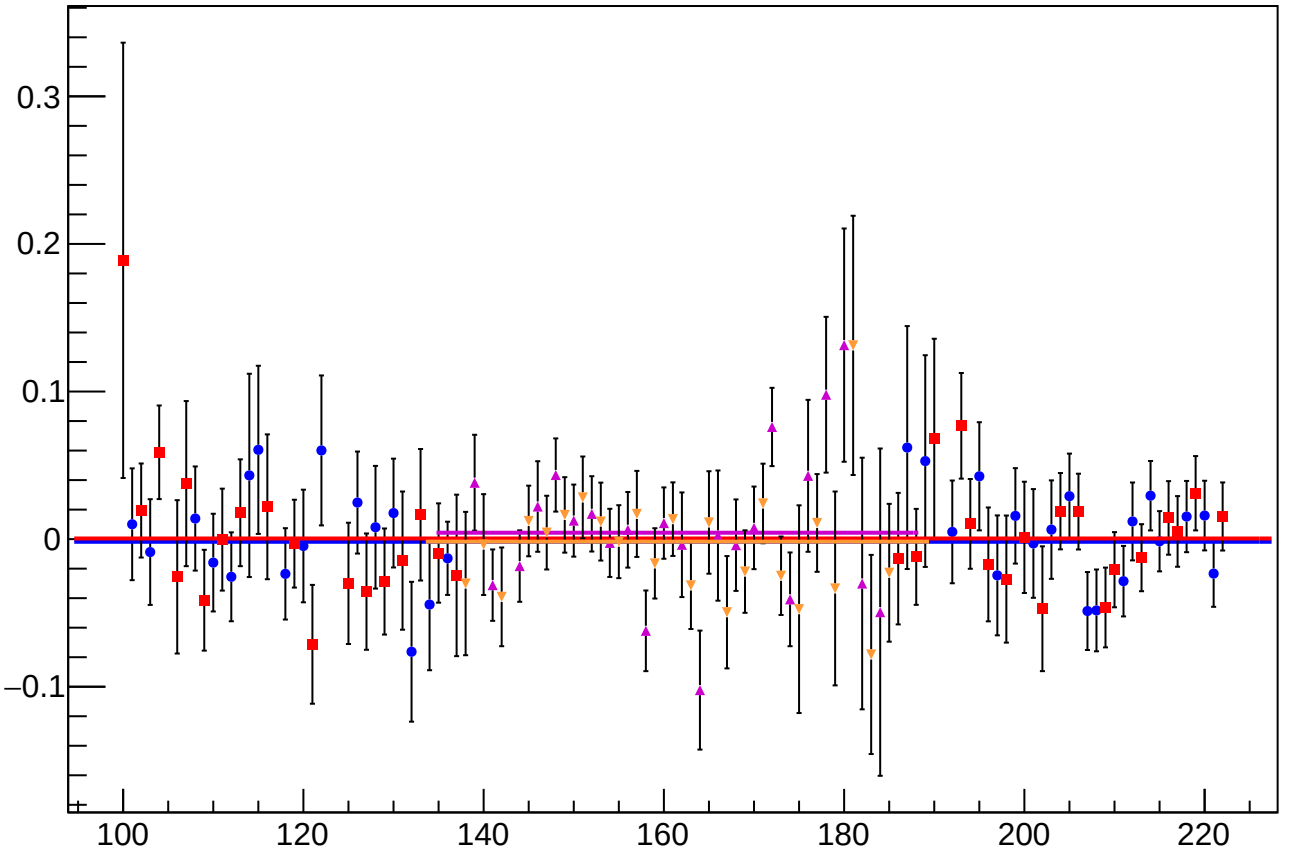
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 33212578.4/69

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

Out: 0.000+/-0.000 χ^2/NDF:23260909.5/59

All: 0.000+/-0.000 χ^2/NDF: 45070507.0/116



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: 28.8/35

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

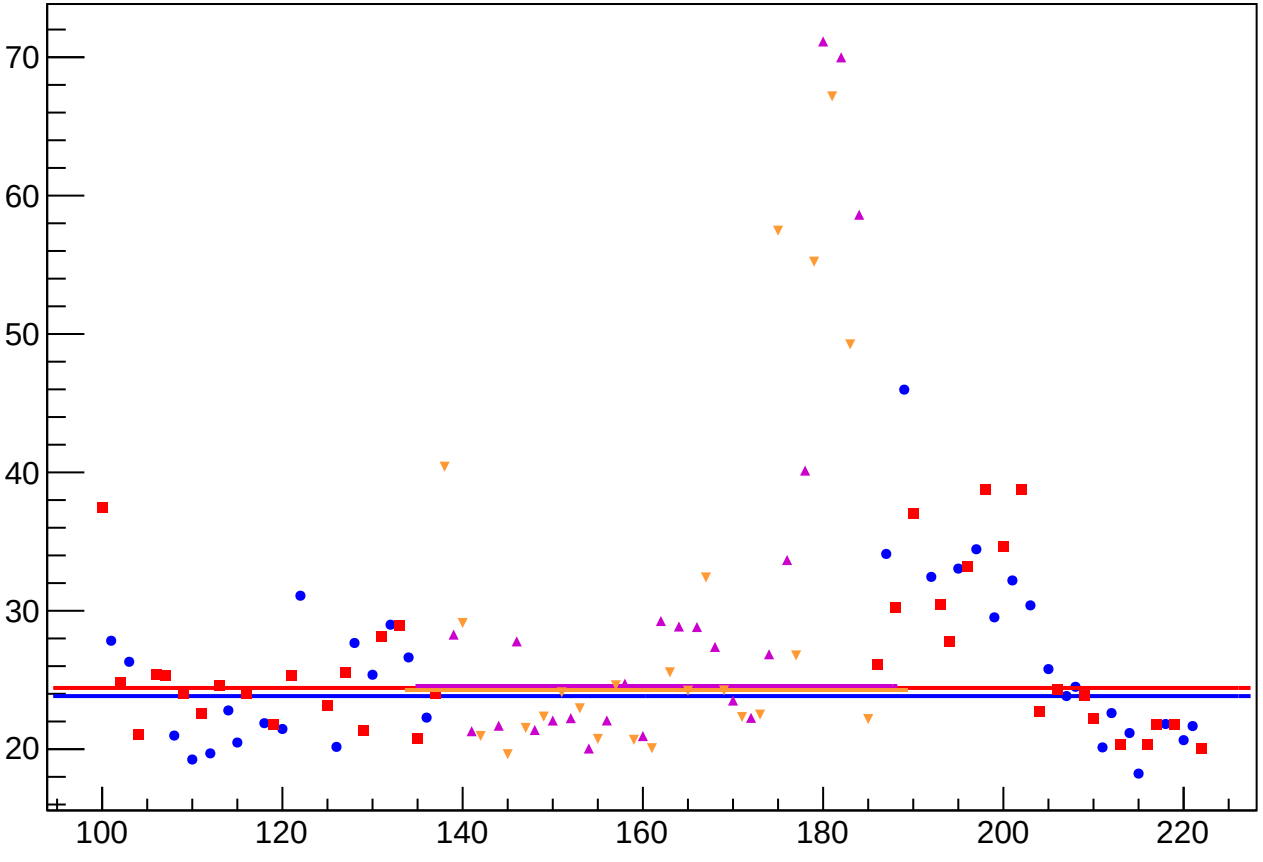
Right: -0.001+/-0.004 χ^2/NDF: 53.9/69

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.000+/-0.004 χ^2/NDF:43.5/59

All: 0.000+/-0.003 χ^2/NDF: 105.6/116

asym_us_dd_dit_vs_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: 24.424+/-0.004 χ^2/NDF: 1318782.8/35

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

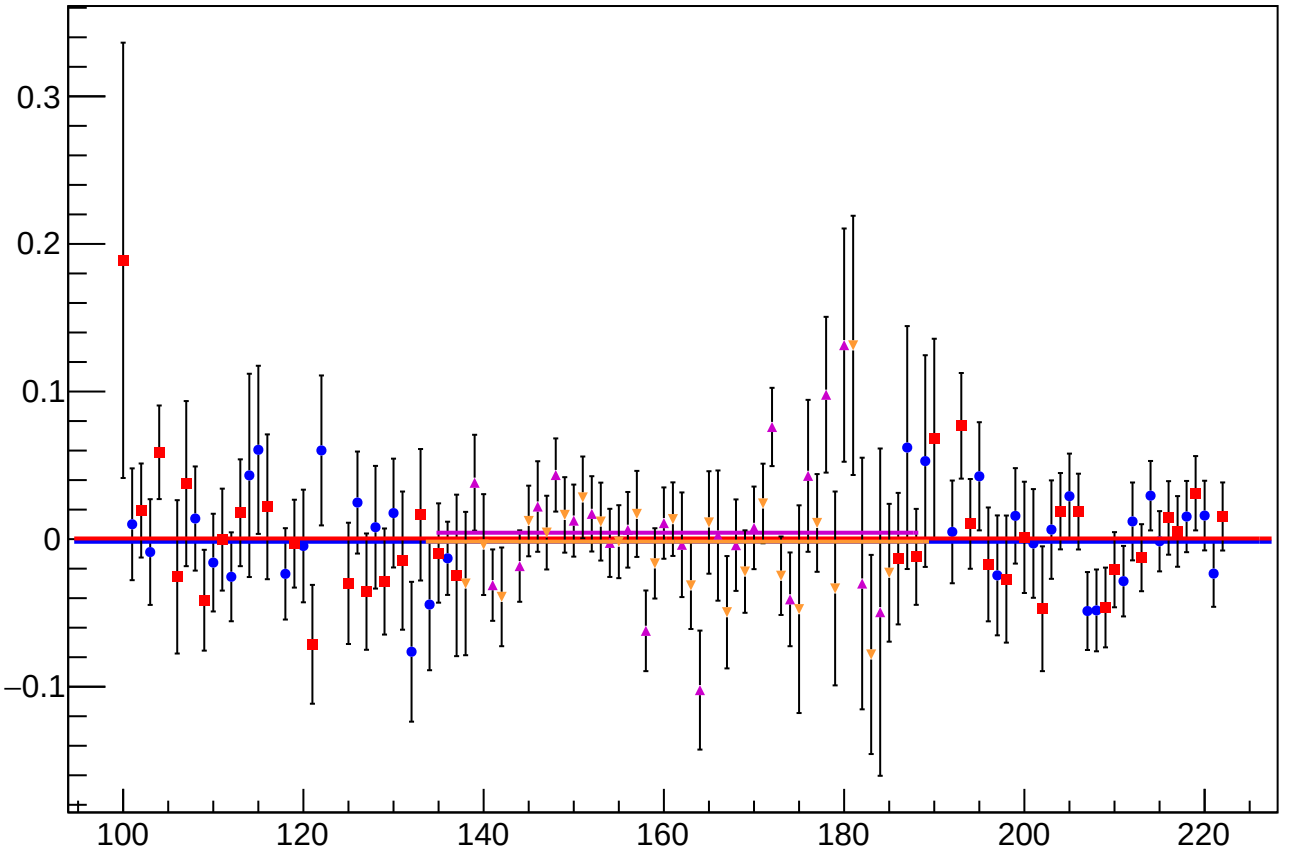
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.123+/-0.003 χ^2/NDF: 2755230.2/69

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

Out: 24.359+/-0.003 χ^2/NDF:3630087.1/59

All: 24.250+/-0.002 χ^2/NDF: 7205817.1/116



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: 28.8/35

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

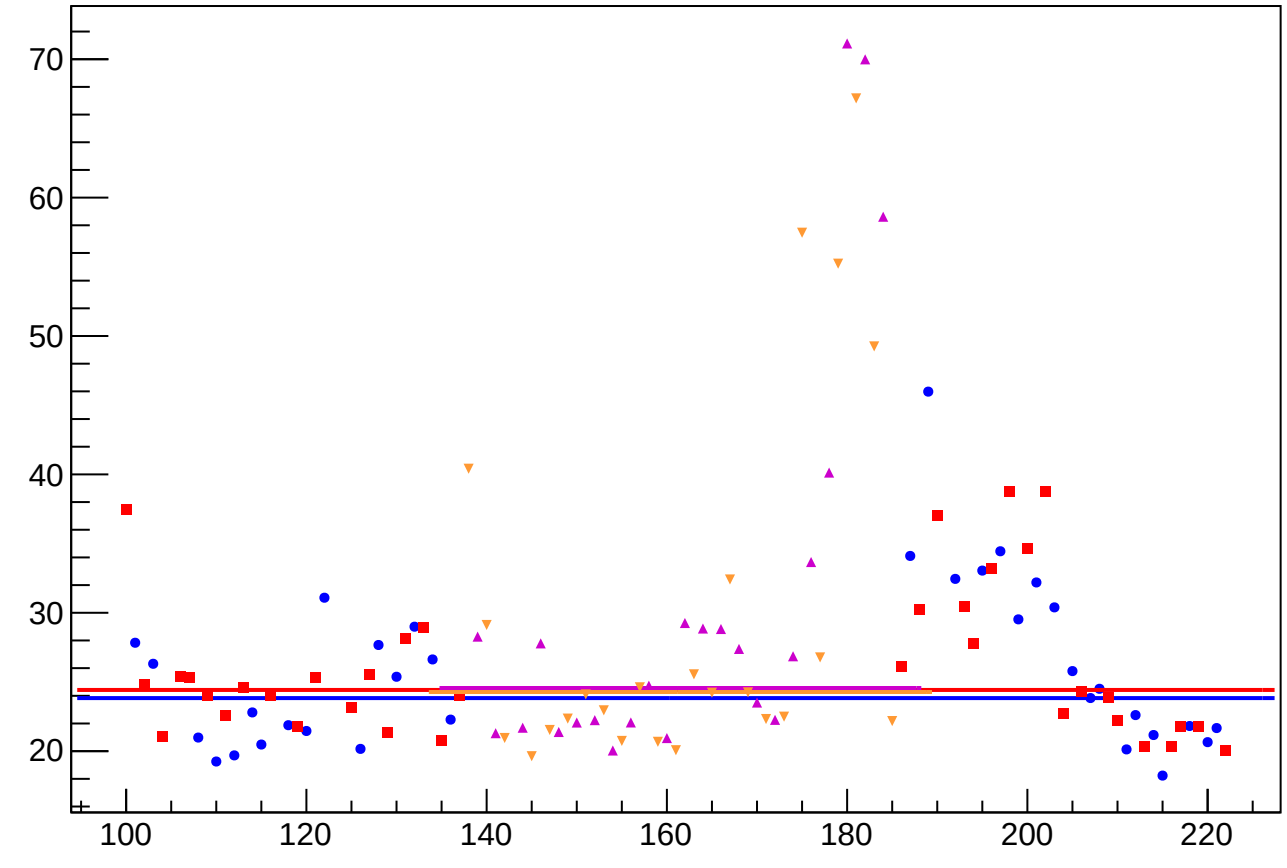
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 53.9/69

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.000+/-0.004 χ^2/NDF:43.5/59

All: 0.000+/-0.003 χ^2/NDF: 105.6/116



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: 24.424+/-0.004 χ^2/NDF: 1318782.8/35

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

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

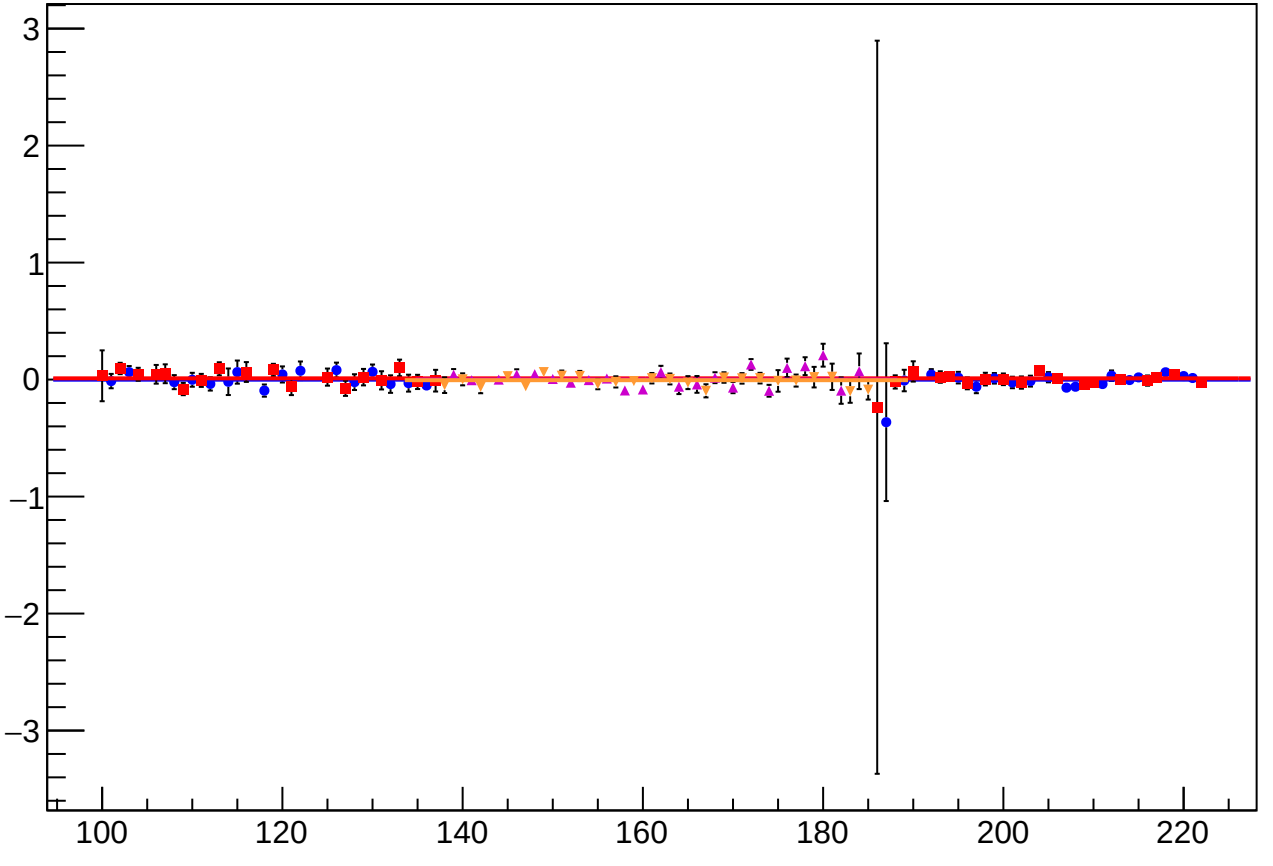
Right: 24.123+/-0.003 χ^2/NDF: 2755230.2/69

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

Out: 24.359+/-0.003 χ^2/NDF:3630087.1/59

All: 24.250+/-0.002 χ^2/NDF: 7205817.1/116

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.011+/-0.009 χ^2/NDF: 24.9/35

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

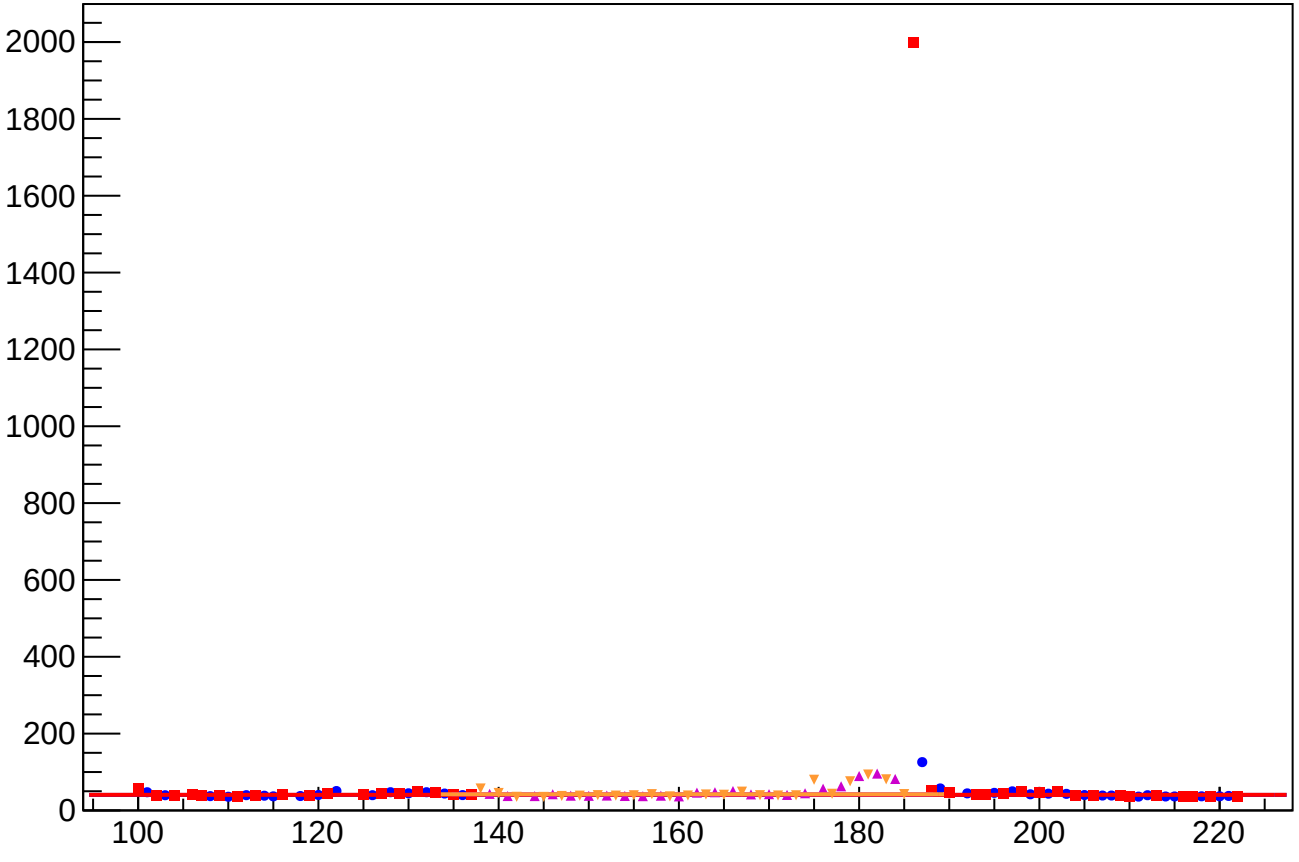
Right: 0.005+/-0.006 χ^2/NDF: 50.0/69

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.004+/-0.007 χ^2/NDF:40.0/59

All: 0.002+/-0.005 χ^2/NDF: 102.5/116

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: 40.670+/-0.006 χ^2/NDF: 1219136.9/35

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

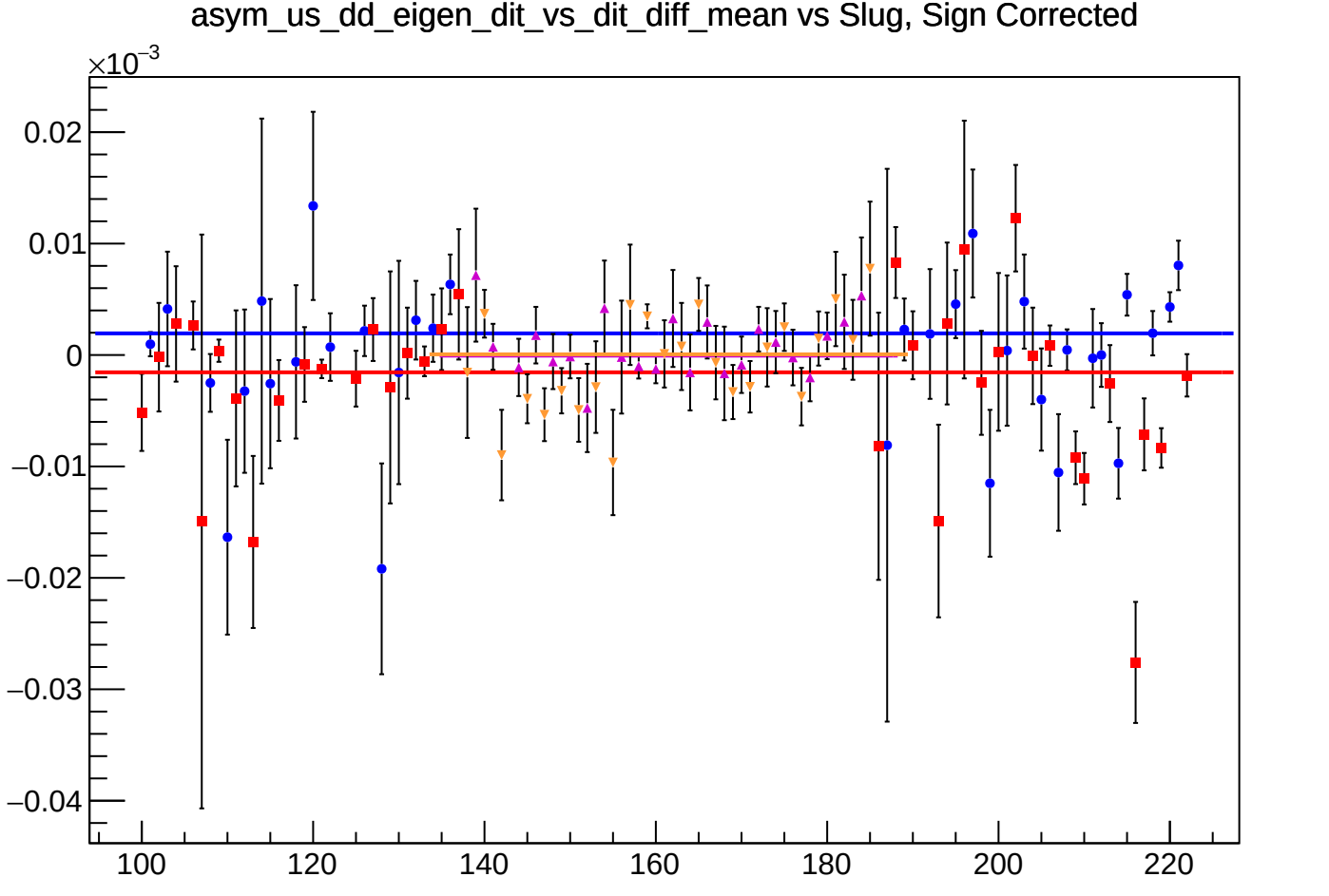
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 40.517+/-0.004 χ^2/NDF: 1688541.1/69

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

Out: 41.277+/-0.005 χ^2/NDF:2956474.4/59

All: 41.181+/-0.003 χ^2/NDF: 5000323.6/116



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: 112.4/35

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

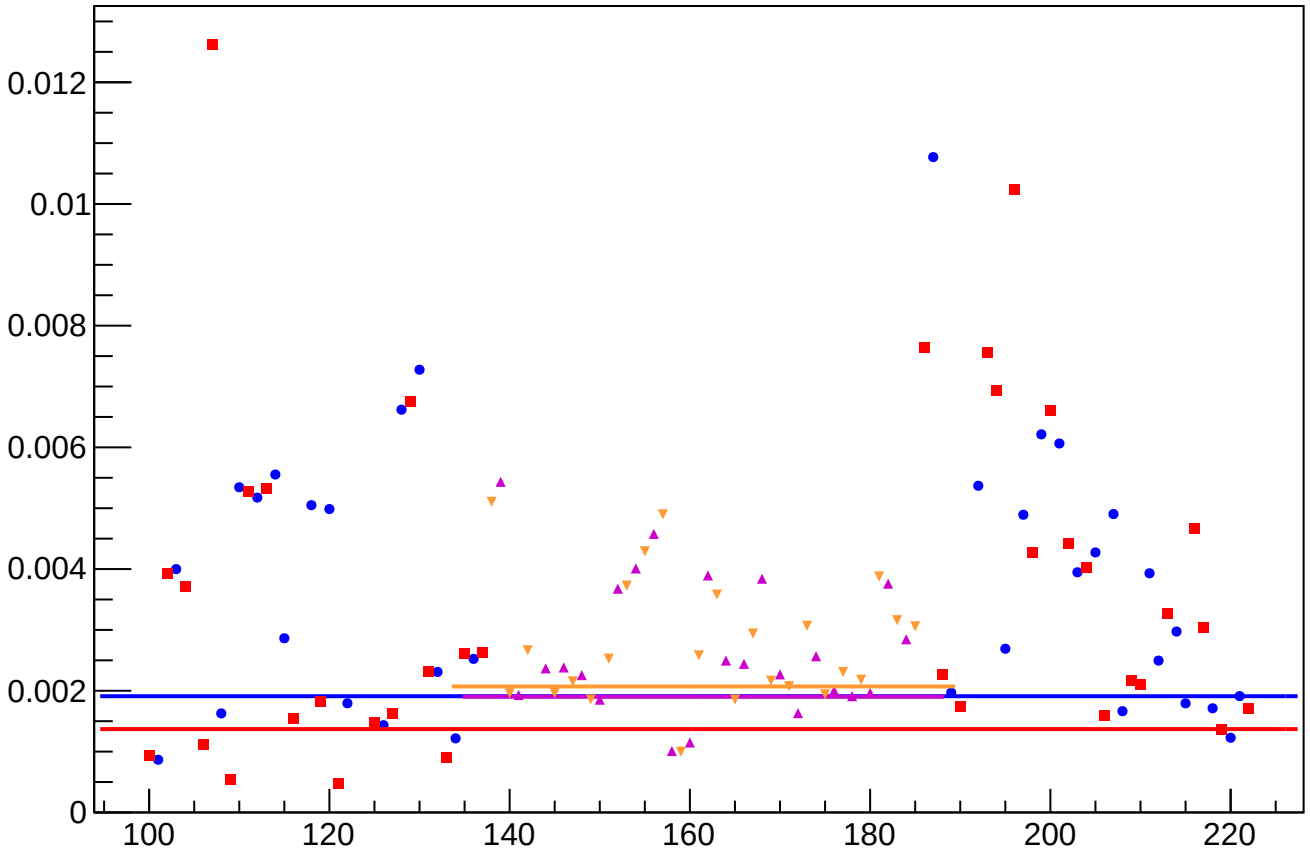
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 205.9/69

In: 0.000+/-0.000 χ^2/NDF:85.0/56

Out: -0.000+/-0.000 χ^2/NDF:169.9/59

All: -0.000+/-0.000 χ^2/NDF: 270.7/116



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: 17332031.0/35

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

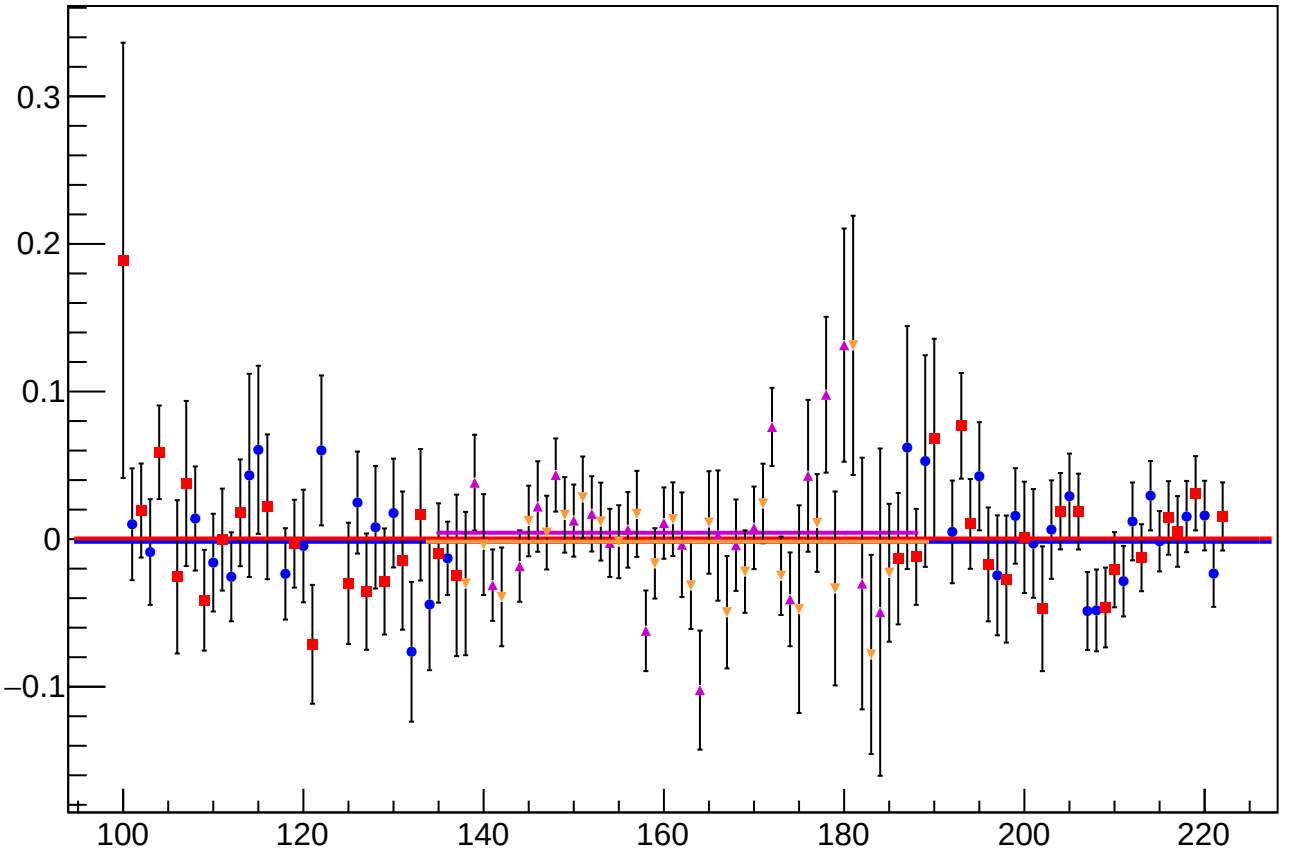
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 30087315.3/69

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

Out: 0.002+/-0.000 χ^2/NDF:24811697.3/59

All: 0.002+/-0.000 χ^2/NDF: 42725758.2/116



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: 28.8/35

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

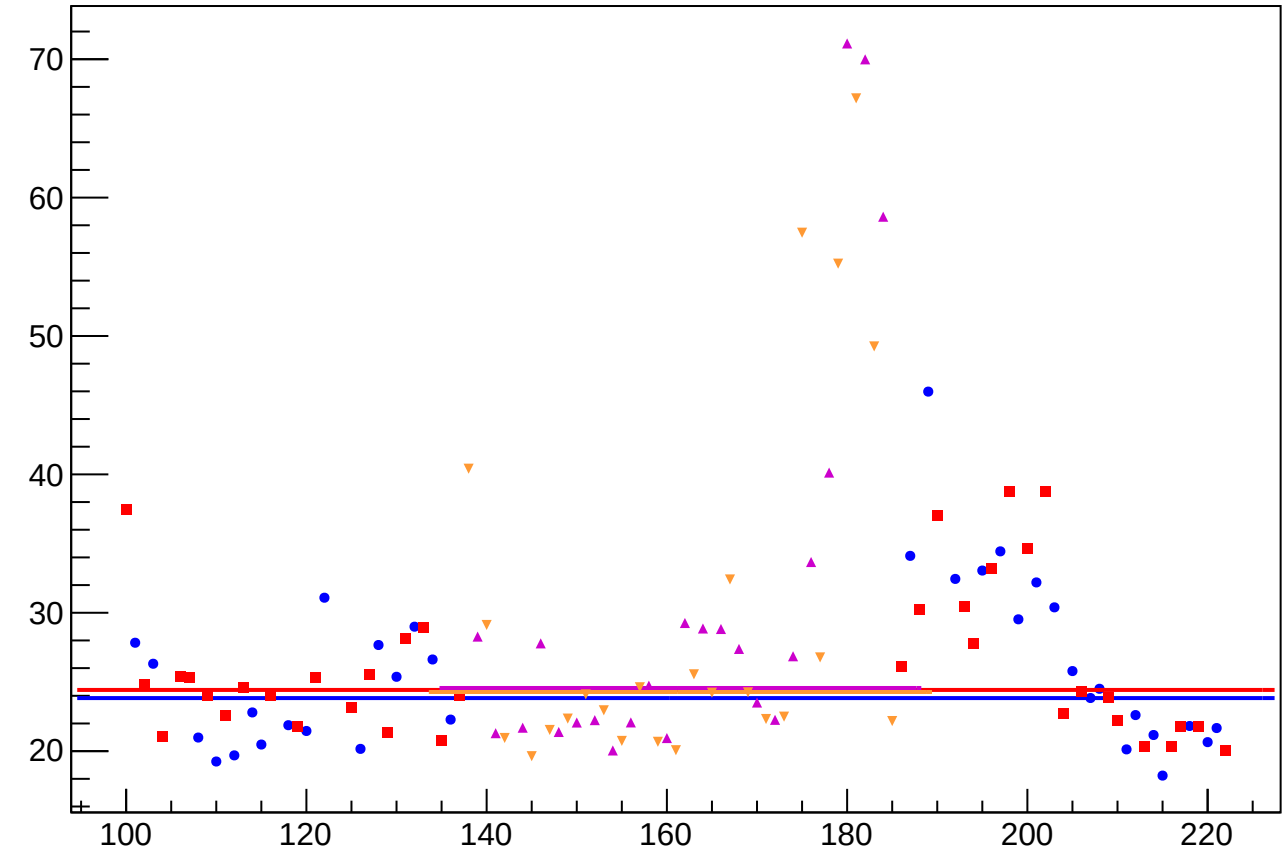
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 53.9/69

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.000+/-0.004 χ^2/NDF:43.5/59

All: 0.000+/-0.003 χ^2/NDF: 105.6/116



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: 24.424+/-0.004 χ^2/NDF: 1318776.9/35

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

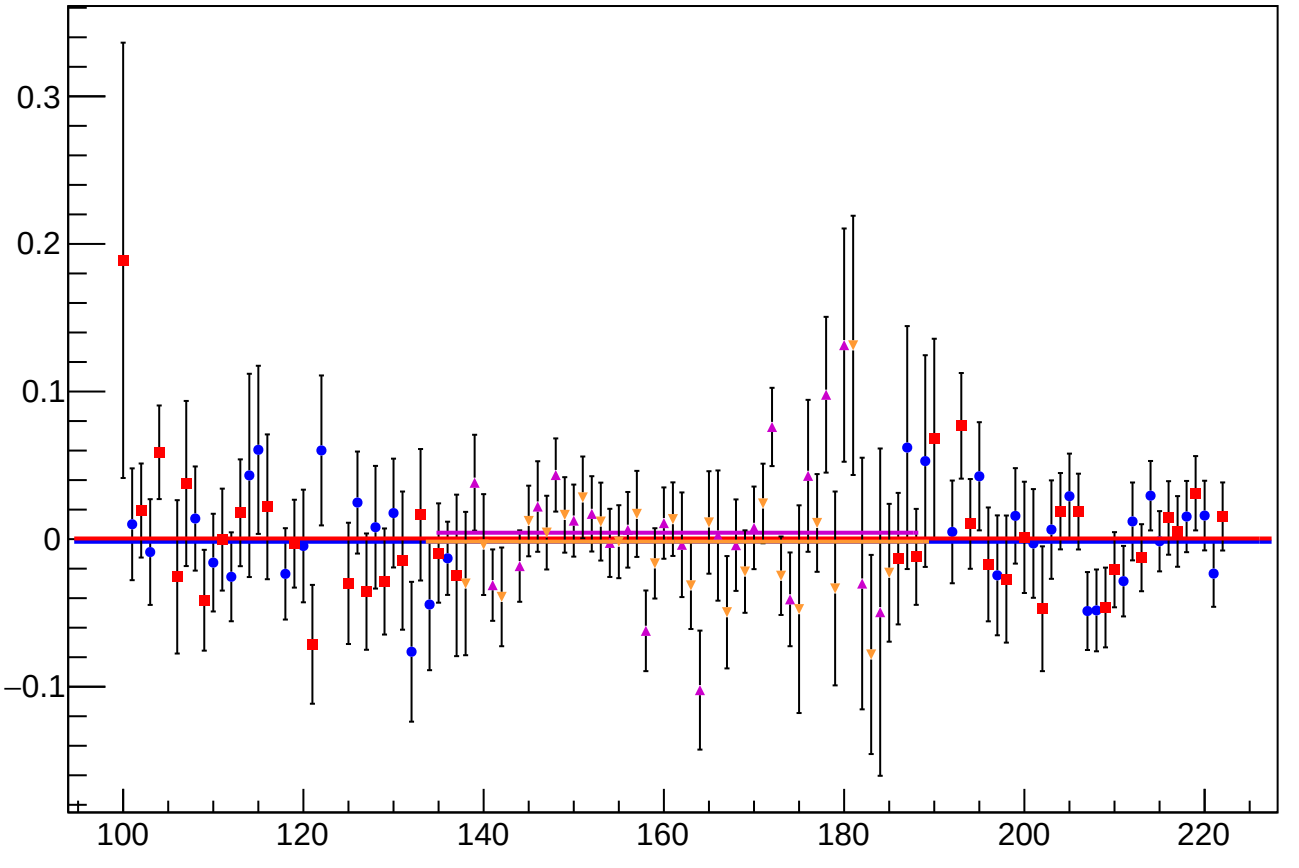
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.123+/-0.003 χ^2/NDF: 2755191.4/69

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

Out: 24.359+/-0.003 χ^2/NDF:3630086.8/59

All: 24.250+/-0.002 χ^2/NDF: 7205660.1/116



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: 28.8/35

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

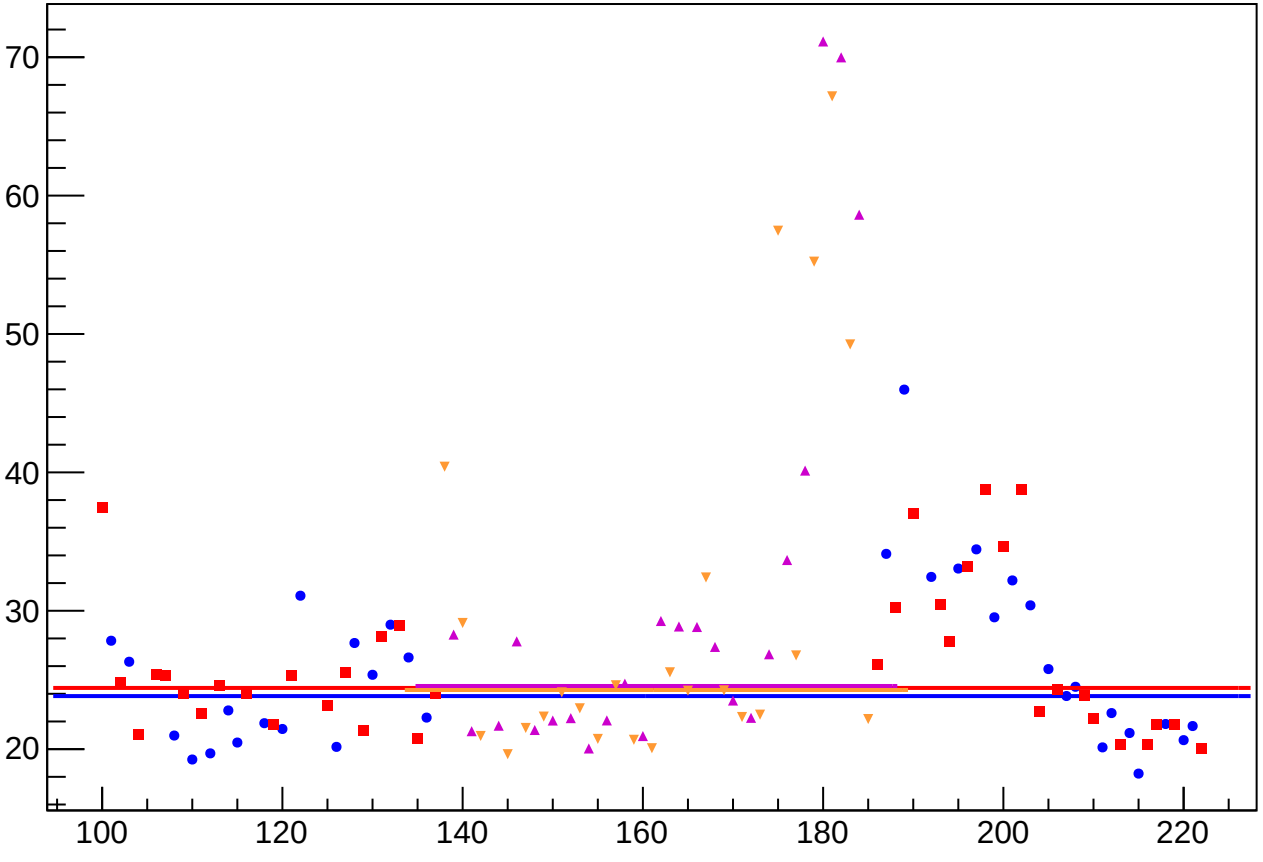
Right: -0.001+/-0.004 χ^2/NDF: 53.9/69

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.000+/-0.004 χ^2/NDF:43.5/59

All: 0.000+/-0.003 χ^2/NDF: 105.6/116

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: 24.424+/-0.004 χ^2/NDF: 1318776.9/35

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

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

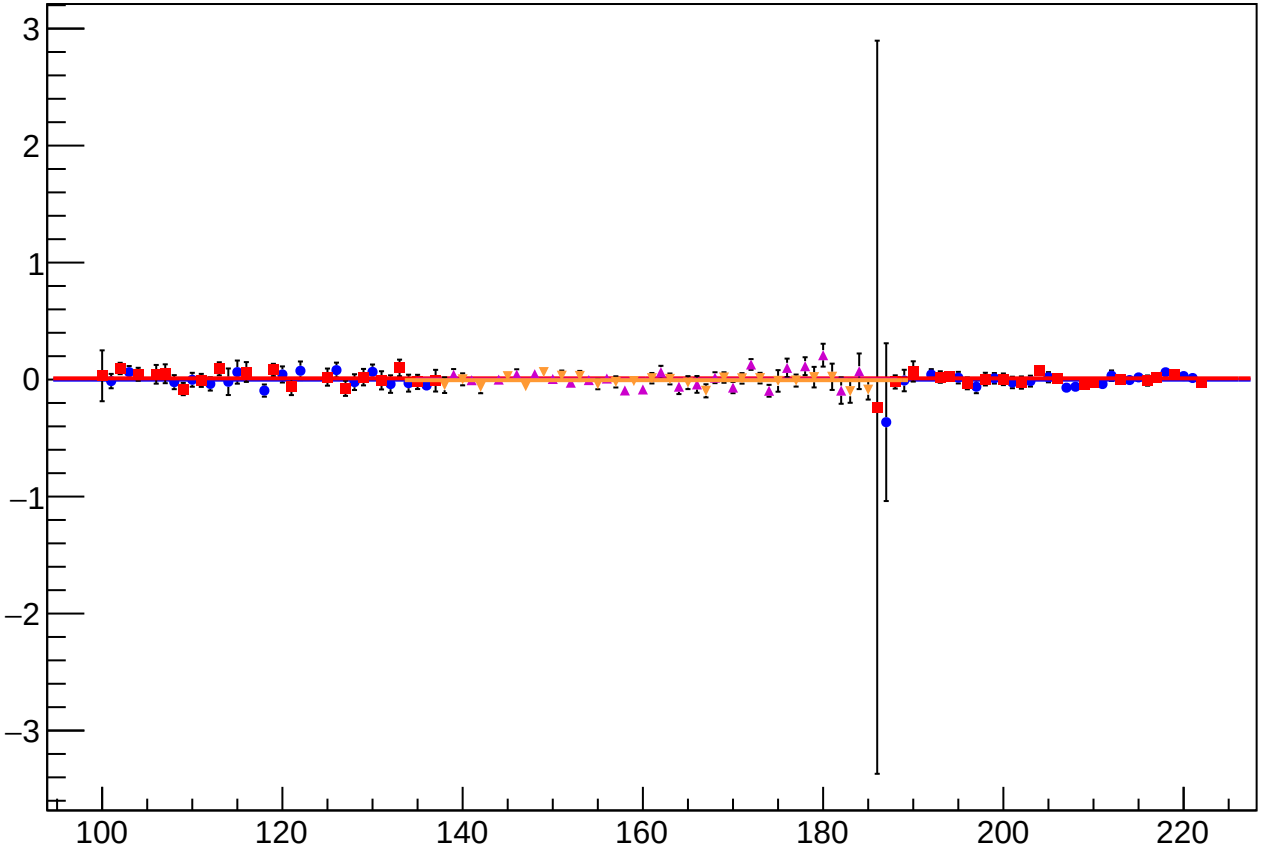
Right: 24.123+/-0.003 χ^2/NDF: 2755191.4/69

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

Out: 24.359+/-0.003 χ^2/NDF:3630086.8/59

All: 24.250+/-0.002 χ^2/NDF: 7205660.1/116

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.011+/-0.009 χ^2/NDF: 24.9/35

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

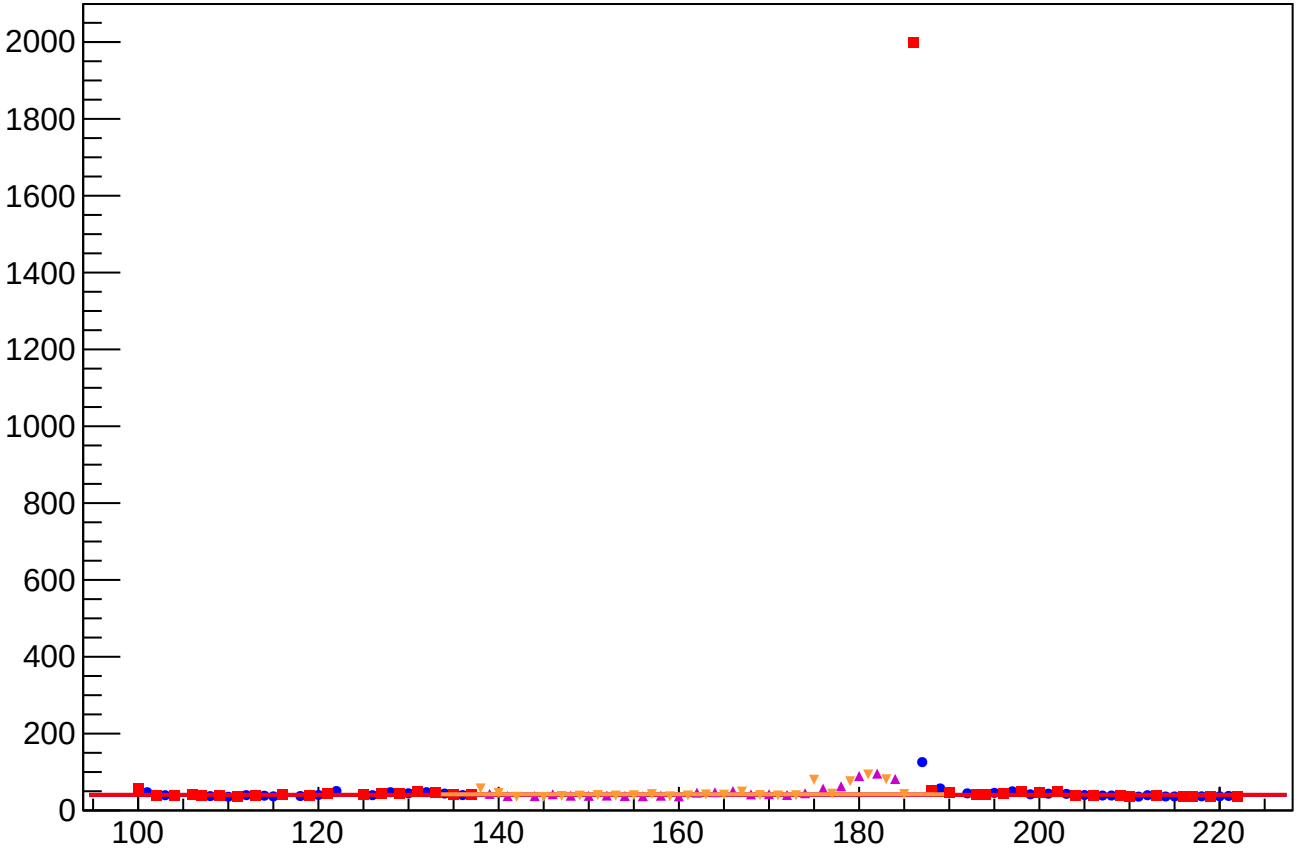
Right: 0.005+/-0.006 χ^2/NDF: 50.0/69

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.004+/-0.007 χ^2/NDF:40.0/59

All: 0.002+/-0.005 χ^2/NDF: 102.5/116

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: 40.670+/-0.006 χ^2/NDF: 1219147.0/35

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

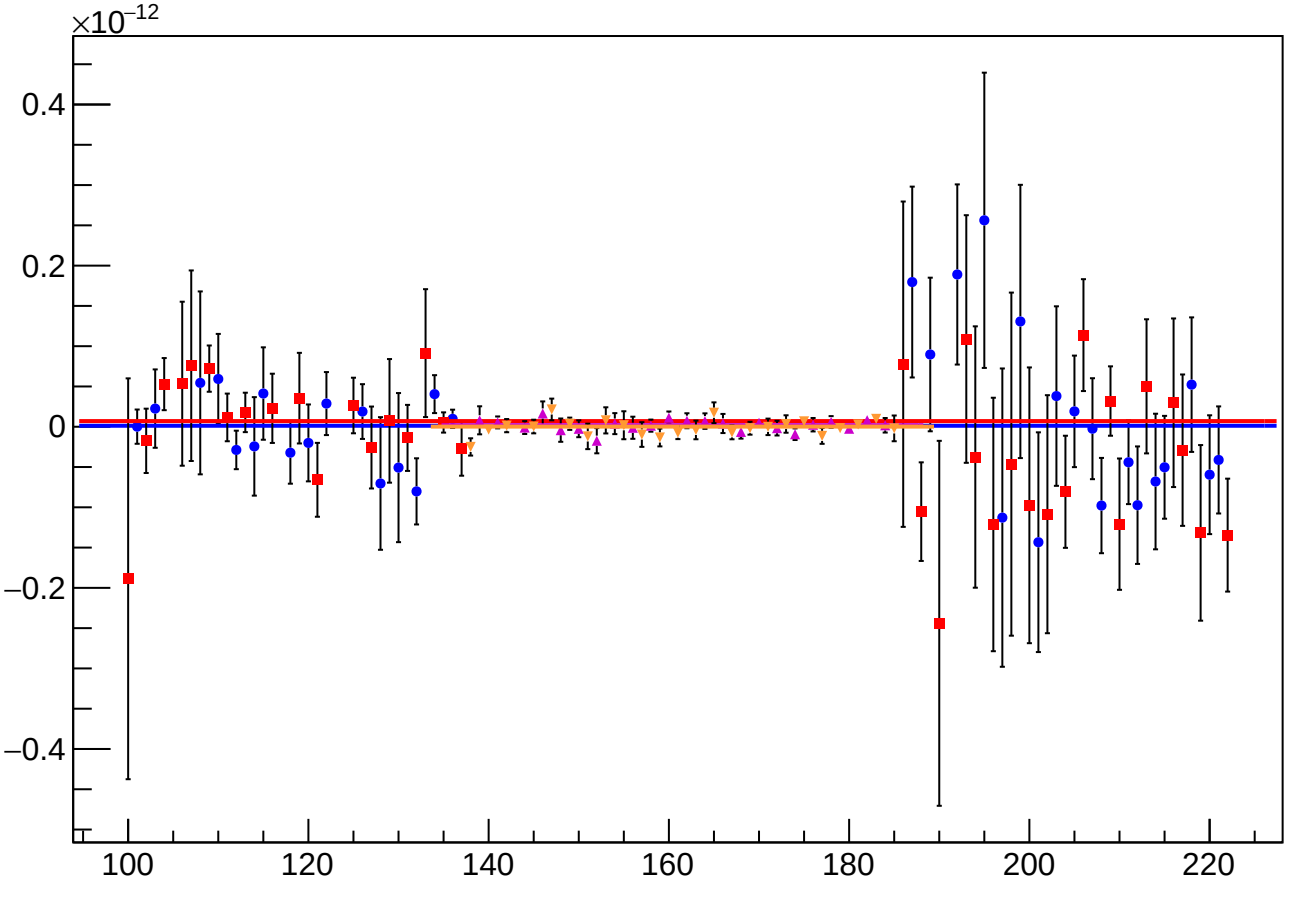
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.517+/-0.004 χ^2/NDF: 1688492.3/69

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

Out: 41.277+/-0.005 χ^2/NDF:2956477.7/59

All: 41.181+/-0.003 χ^2/NDF: 5000248.0/116



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/35

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

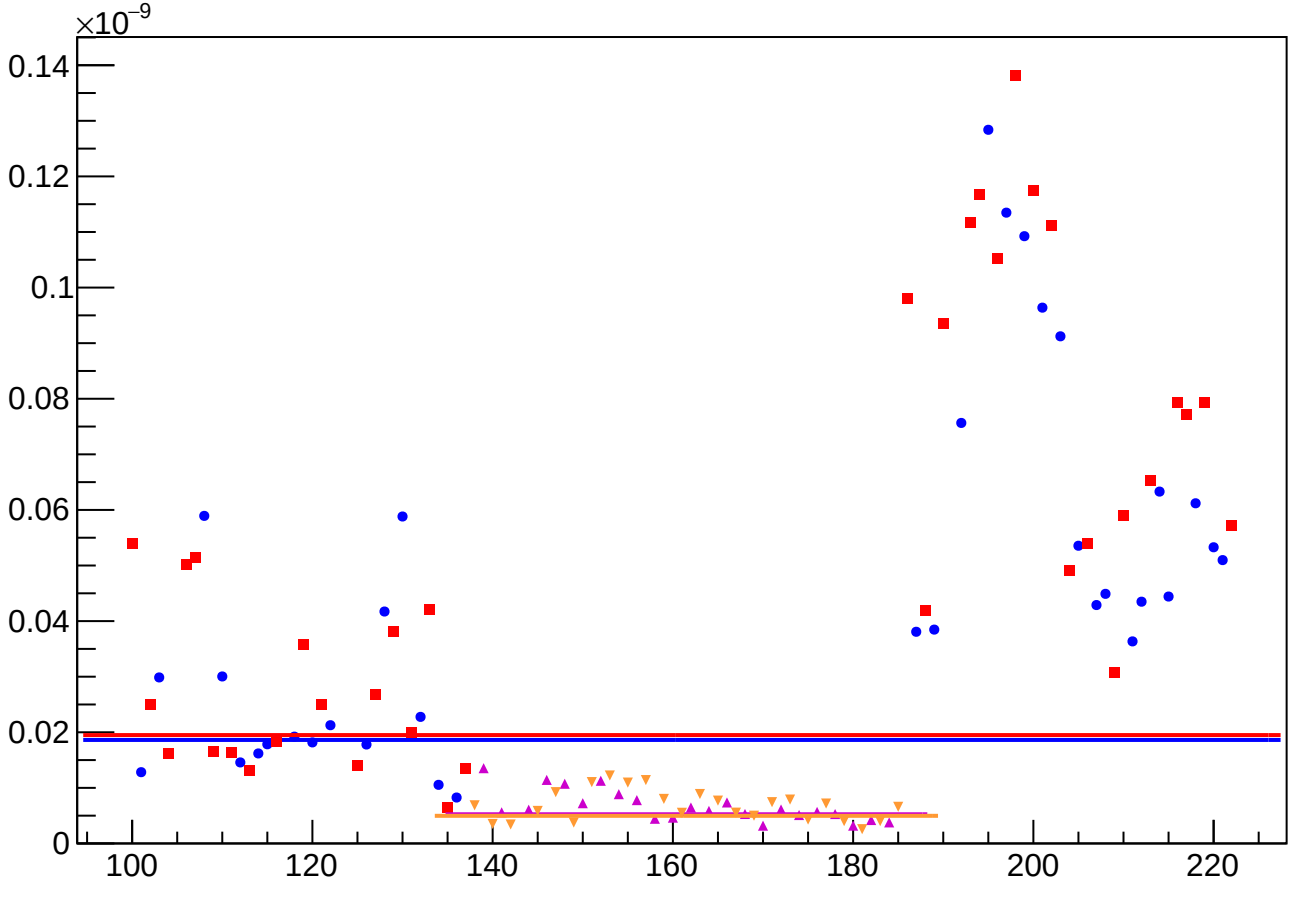
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 67.3/69

In: 0.000+/-0.000 χ^2/NDF:43.9/56

Out: 0.000+/-0.000 χ^2/NDF:56.9/59

All: 0.000+/-0.000 χ^2/NDF: 101.1/116



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: 12904587.0/35

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

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

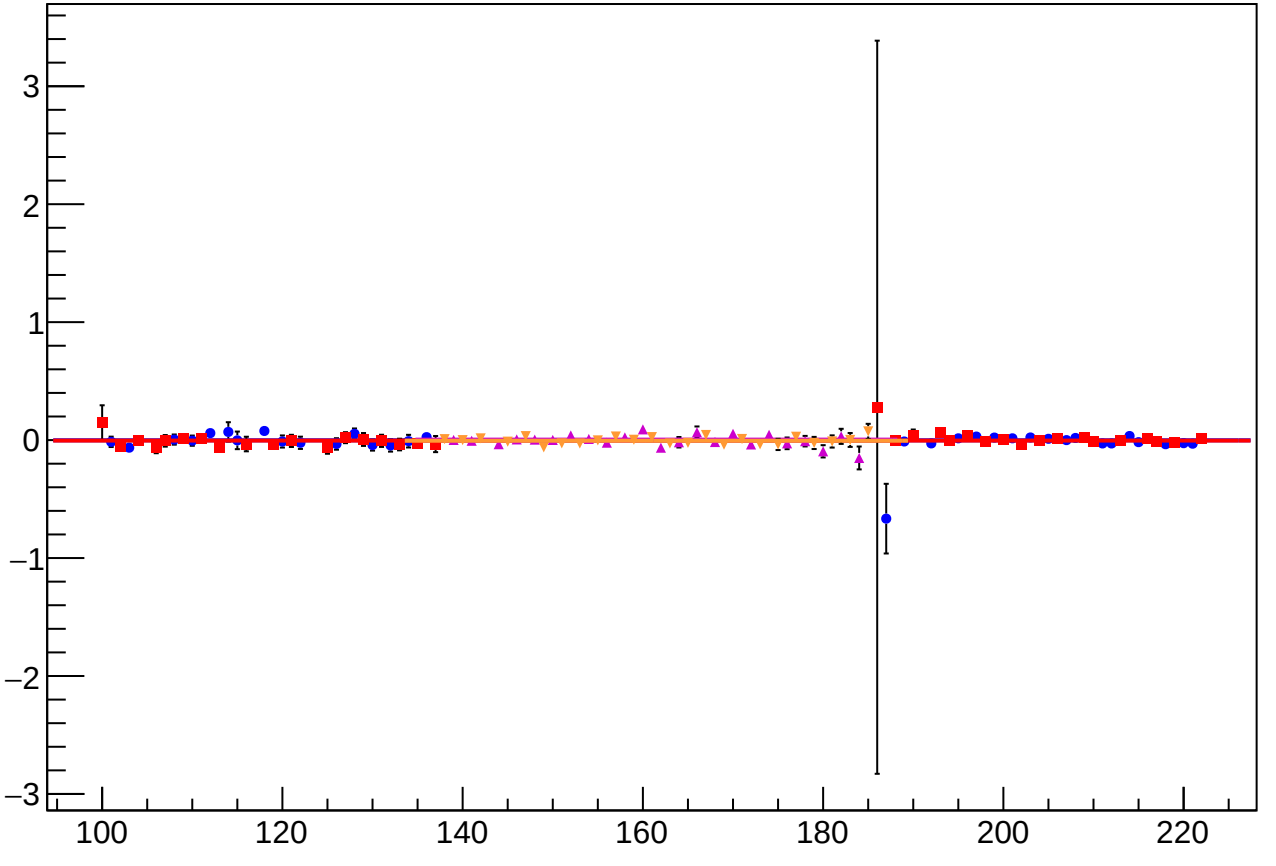
Right: 0.000+/-0.000 χ^2/NDF: 23999516.9/69

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

Out: 0.000+/-0.000 χ^2/NDF:23960387.7/59

All: 0.000+/-0.000 χ^2/NDF: 44800652.8/116

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: -0.004+/-0.006 χ^2/NDF: 24.7/35

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

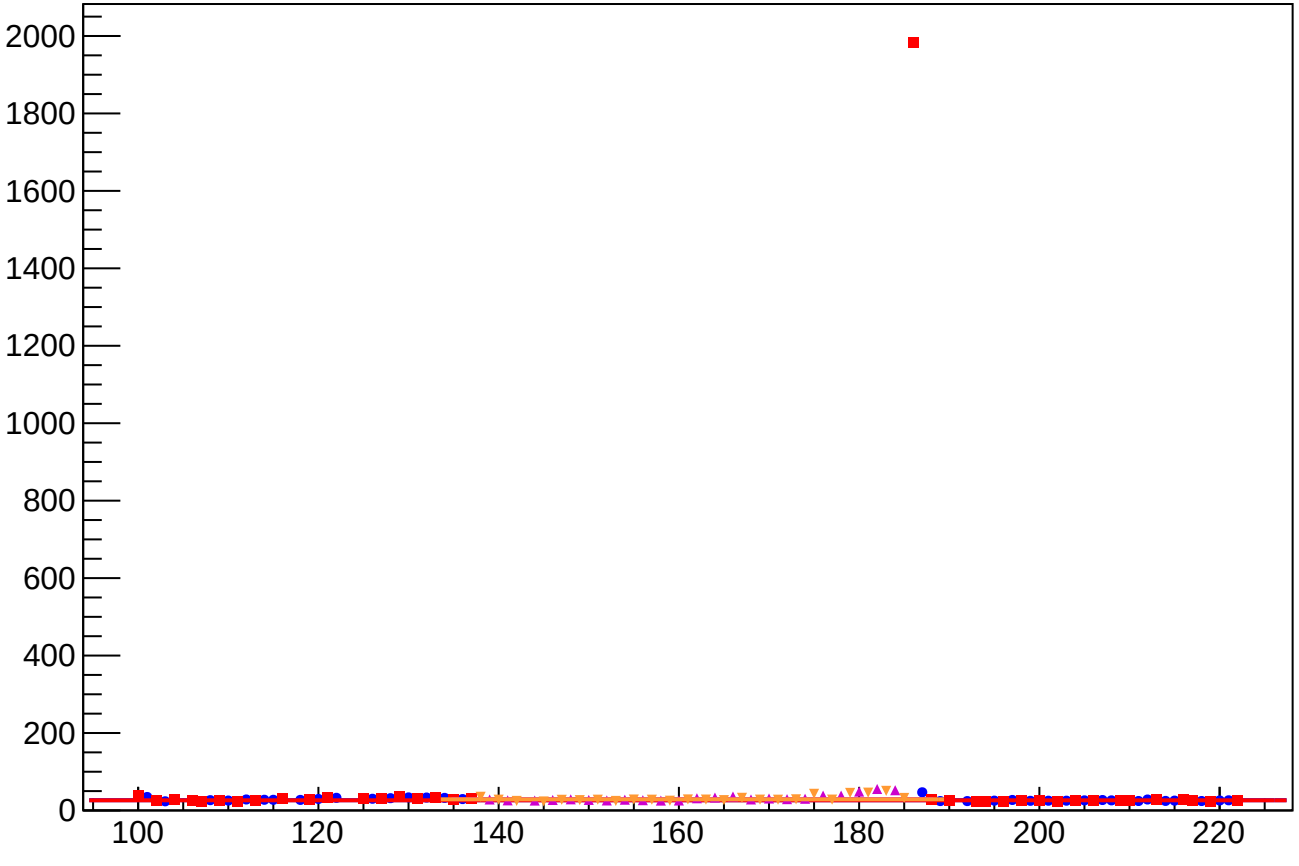
Right: -0.003+/-0.004 χ^2/NDF: 57.3/69

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.005+/-0.005 χ^2/NDF:41.4/59

All: -0.002+/-0.003 χ^2/NDF: 106.2/116

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: 26.237+/-0.004 χ^2/NDF: 1163785.9/35

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

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

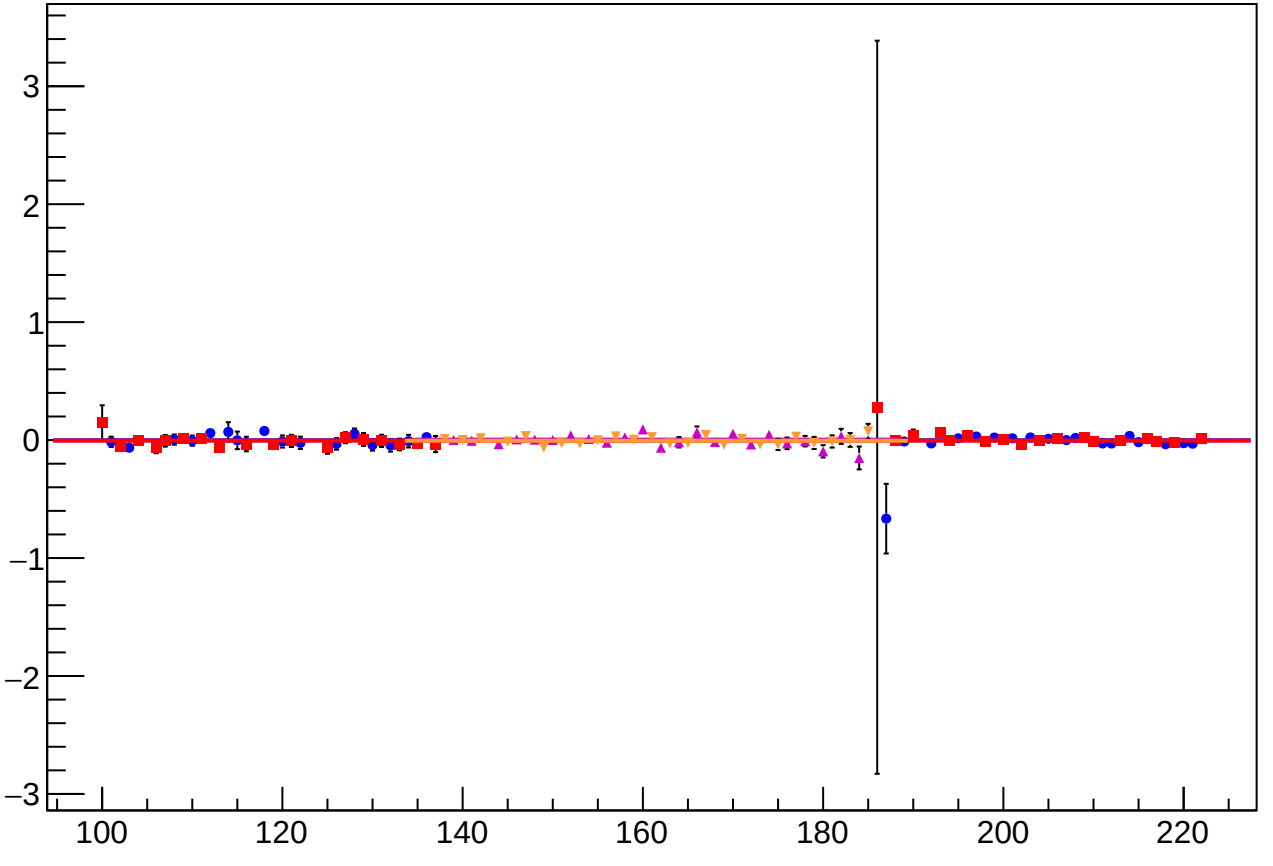
Right: 26.378+/-0.003 χ^2/NDF: 1549563.1/69

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

Out: 27.284+/-0.003 χ^2/NDF:2487232.9/59

All: 27.452+/-0.002 χ^2/NDF: 4189985.2/116

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: -0.004+/-0.006 χ^2/NDF: 24.7/35

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

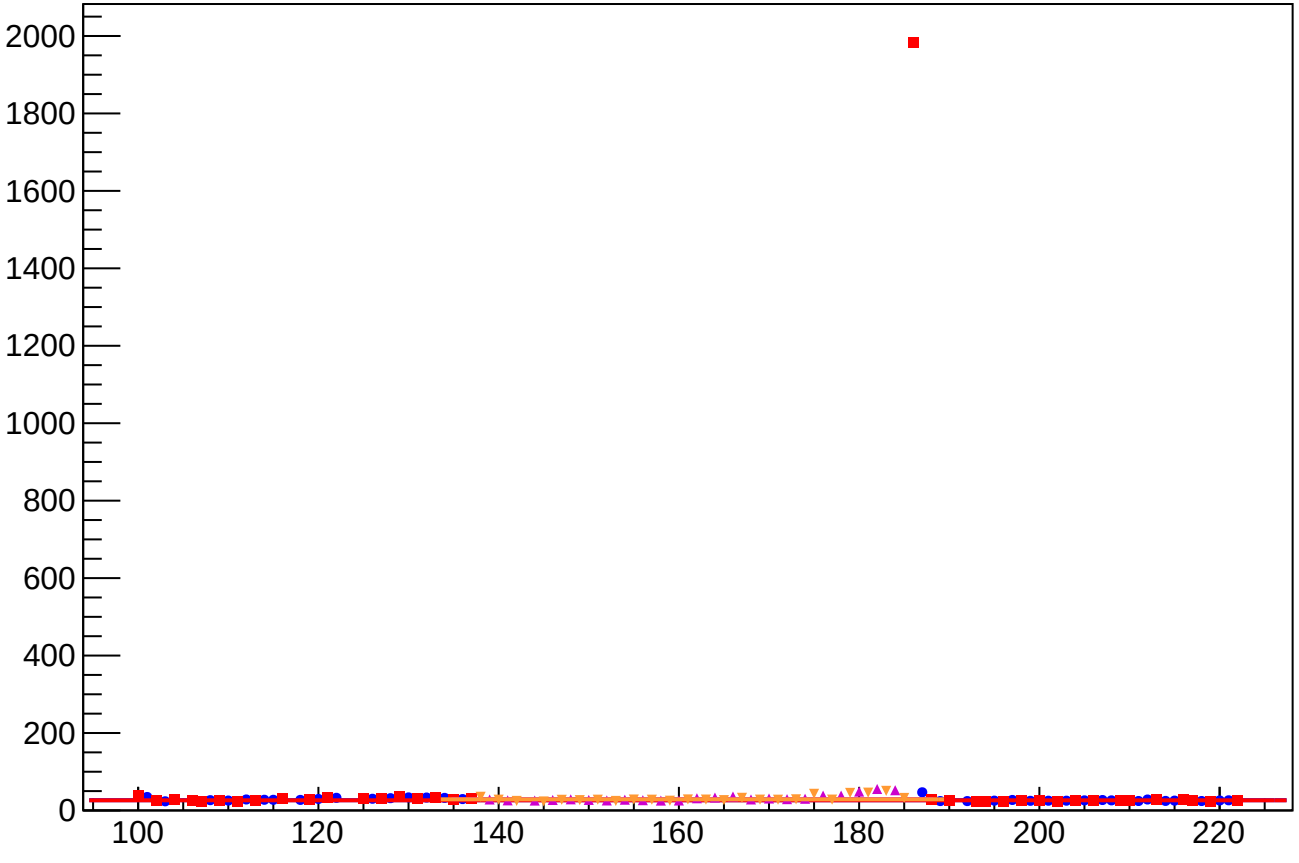
Right: -0.003+/-0.004 χ^2/NDF: 57.3/69

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.005+/-0.005 χ^2/NDF:41.4/59

All: -0.002+/-0.003 χ^2/NDF: 106.2/116

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: 26.237+/-0.004 χ^2/NDF: 1163785.9/35

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

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

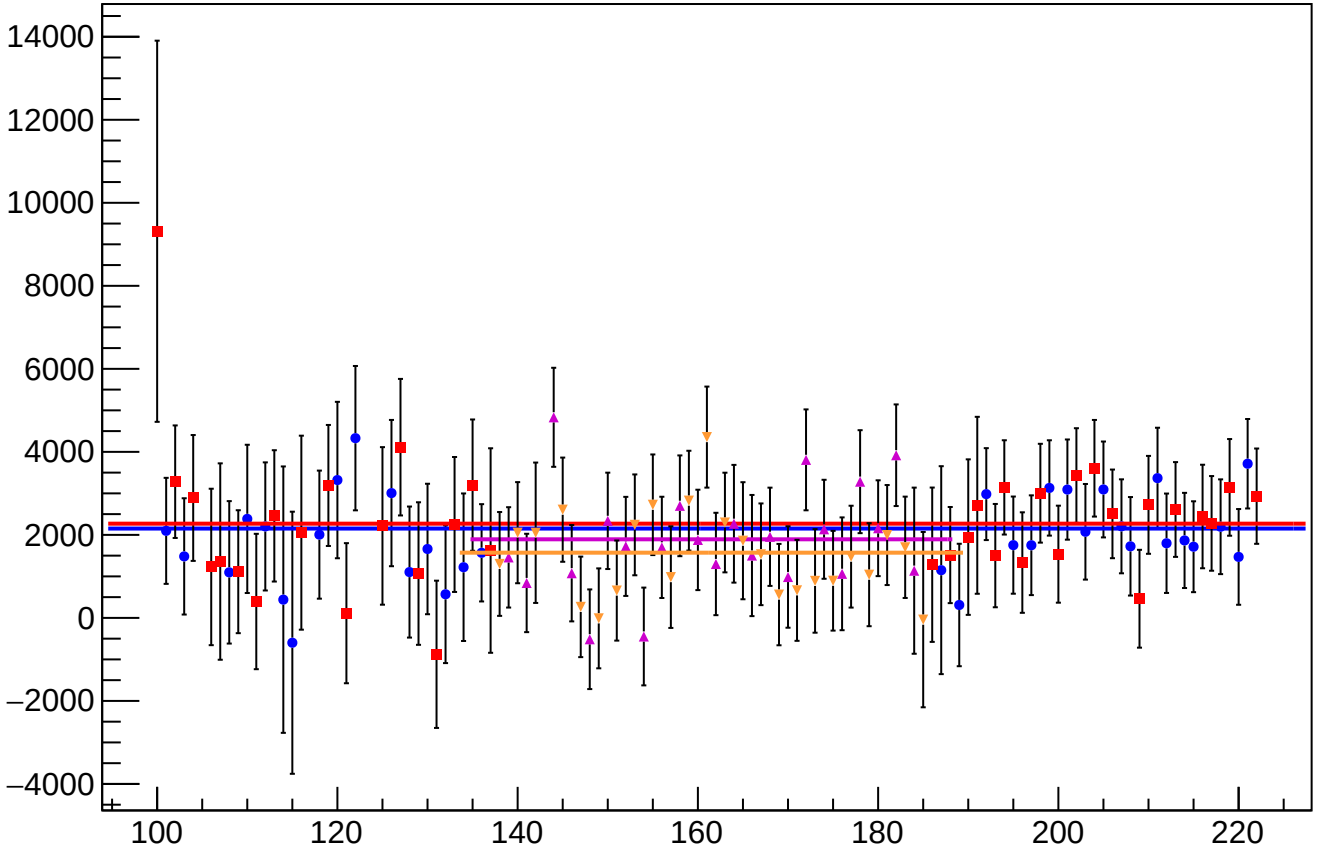
Right: 26.378+/-0.003 χ^2/NDF: 1549563.1/69

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

Out: 27.284+/-0.003 χ^2/NDF:2487232.9/59

All: 27.452+/-0.002 χ^2/NDF: 4189985.2/116

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: 2270.089+/-232.173 χ^2/NDF: 21.9/36

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

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

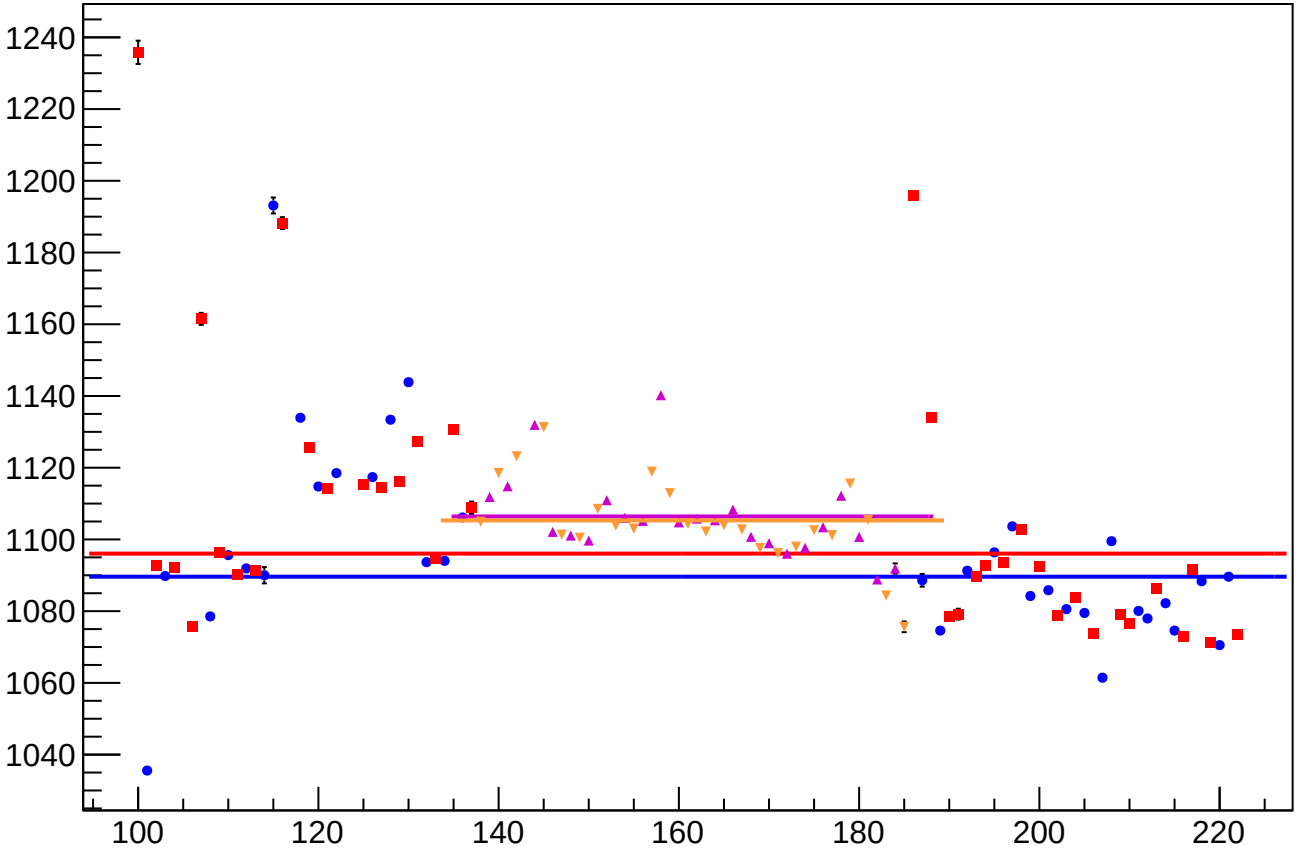
Right: 2211.058+/-164.040 χ^2/NDF: 36.2/70

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

Out: 1955.334+/-172.142 χ^2/NDF:41.3/60

All: 1995.953+/-121.860 χ^2/NDF: 80.3/117

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: 1096.048+/-0.164 χ^2/NDF: 23657.9/36

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

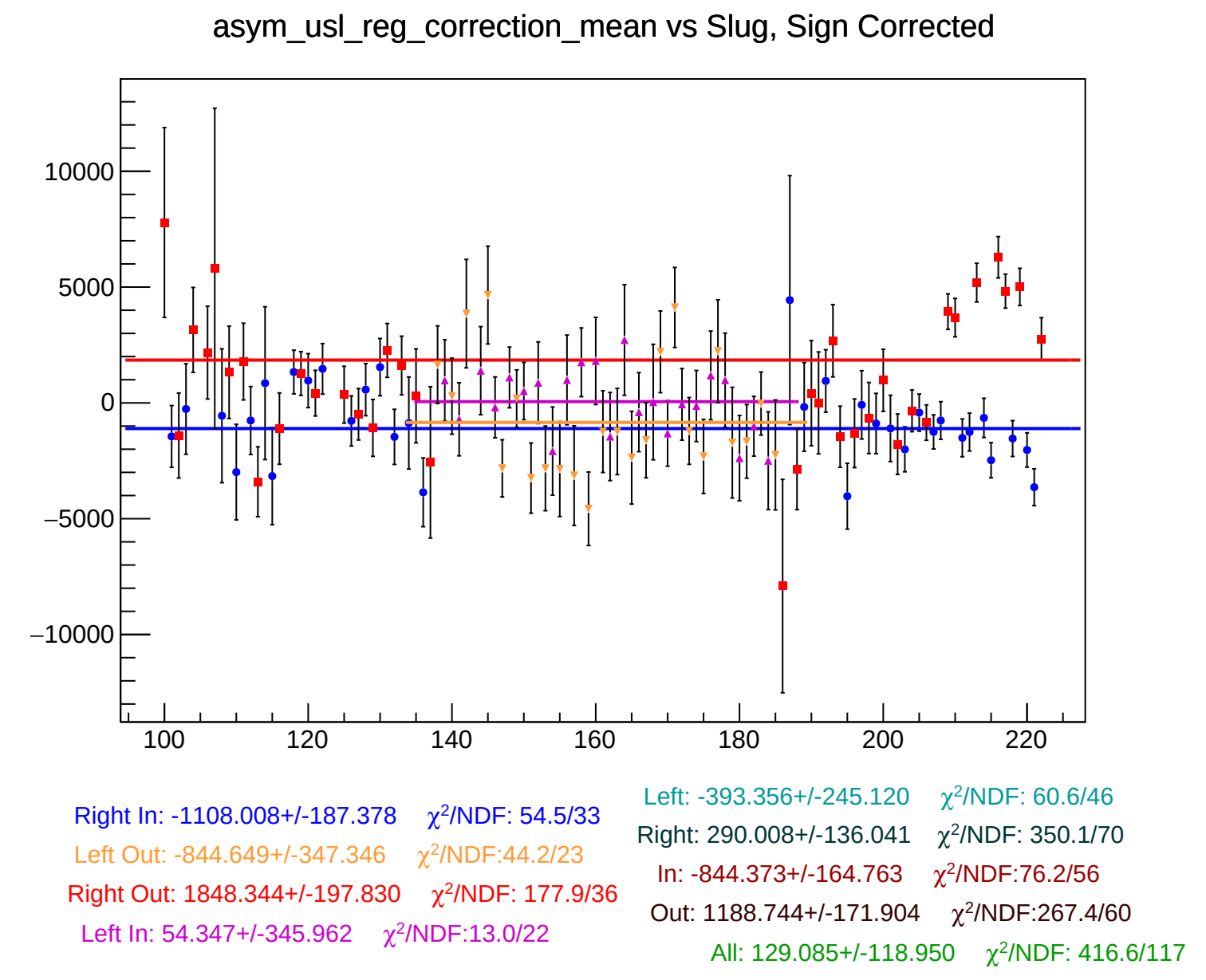
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

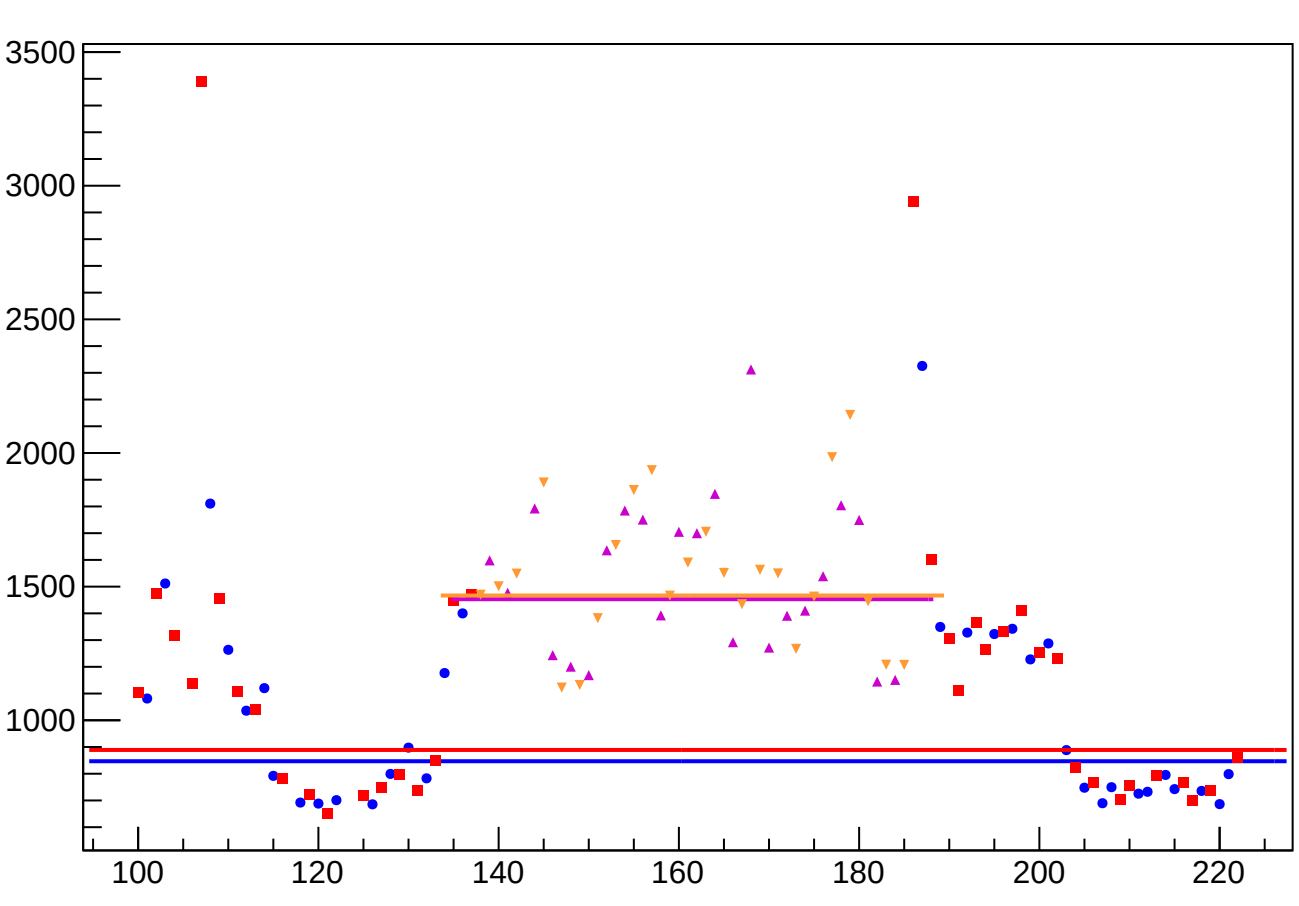
Right: 1092.824+/-0.116 χ^2/NDF: 41260.0/70

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

Out: 1100.211+/-0.122 χ^2/NDF:28247.8/60

All: 1098.660+/-0.086 χ^2/NDF: 53864.8/117


asym_usl_reg_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: 1848.344+/-197.830 χ²/NDF: 177.9/36
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 290.008+/-136.041 χ²/NDF: 350.1/70
In: -844.373+/-164.763 χ²/NDF:76.2/56
Out: 1188.744+/-171.904 χ²/NDF:267.4/60
All: 129.085+/-118.950 χ²/NDF: 416.6/117



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

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

Right Out: 888.978+/-0.140 χ^2/NDF: 3710093.9/36

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

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

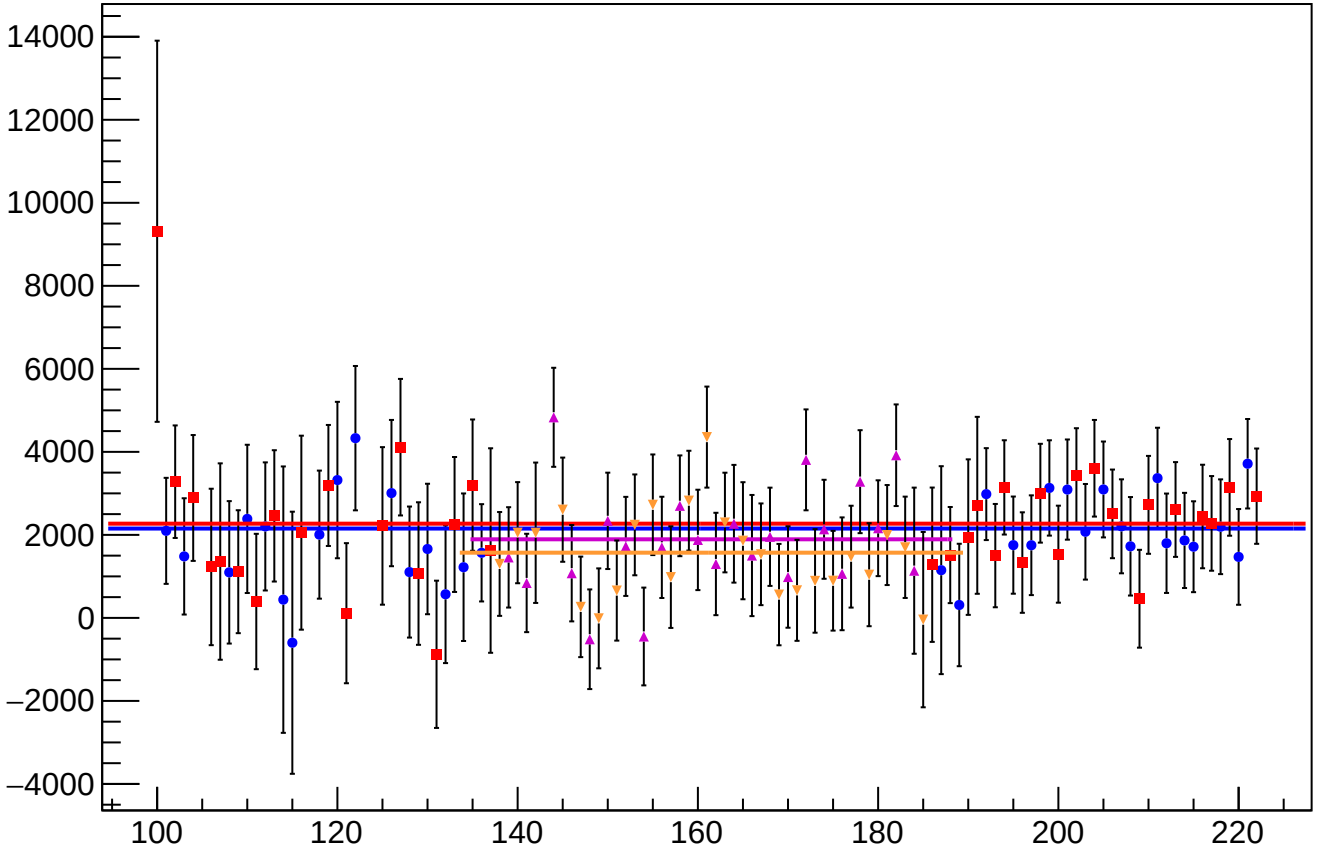
Right: 866.736+/-0.096 χ^2/NDF: 6701394.8/70

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

Out: 1030.517+/-0.122 χ^2/NDF:8933116.7/60

All: 1006.415+/-0.084 χ^2/NDF: 17829253.6/1

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: 2270.083+/-232.173 χ^2/NDF: 21.9/36

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

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

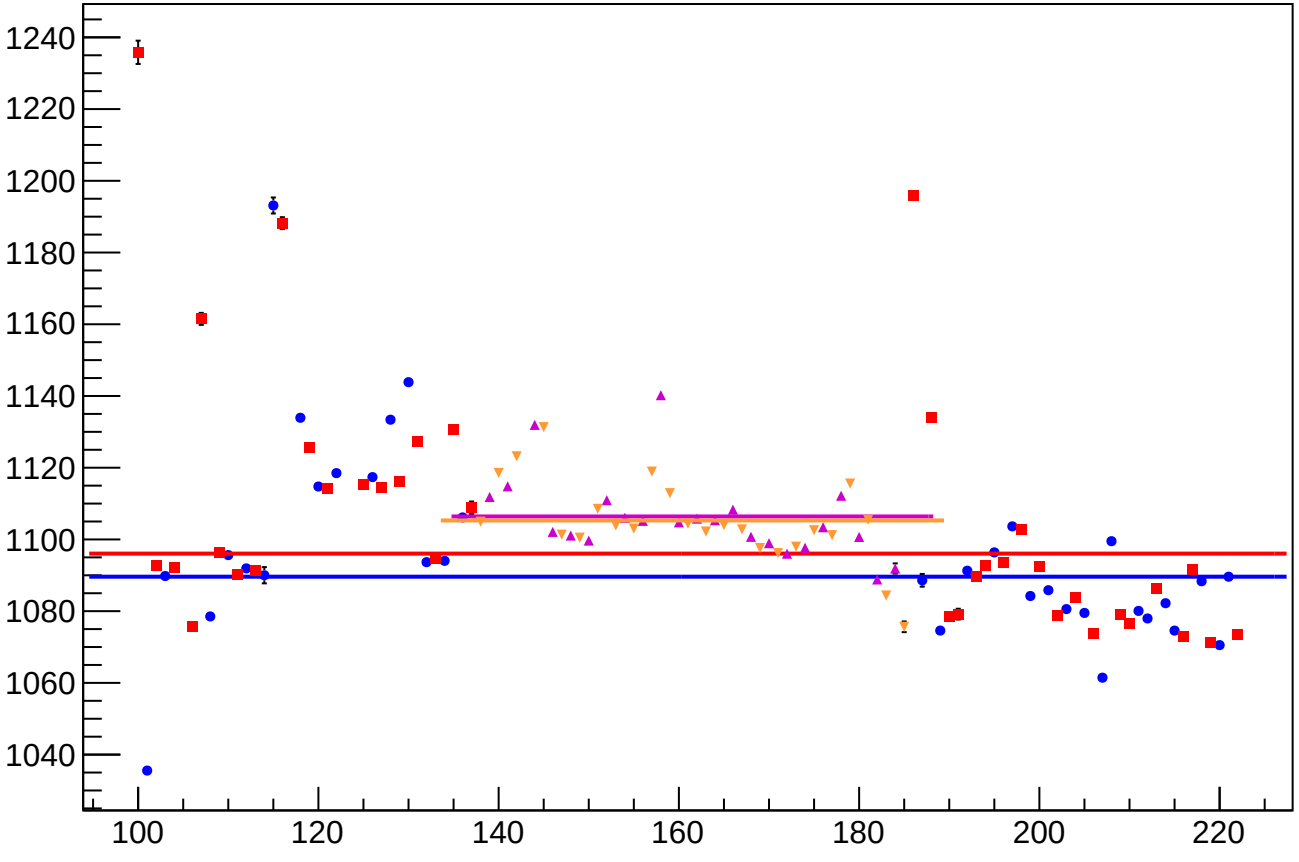
Right: 2211.055+/-164.040 χ^2/NDF: 36.2/70

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

Out: 1955.330+/-172.142 χ^2/NDF:41.3/60

All: 1995.952+/-121.860 χ^2/NDF: 80.3/117

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: 1096.048+/-0.164 χ^2/NDF: 23657.9/36

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

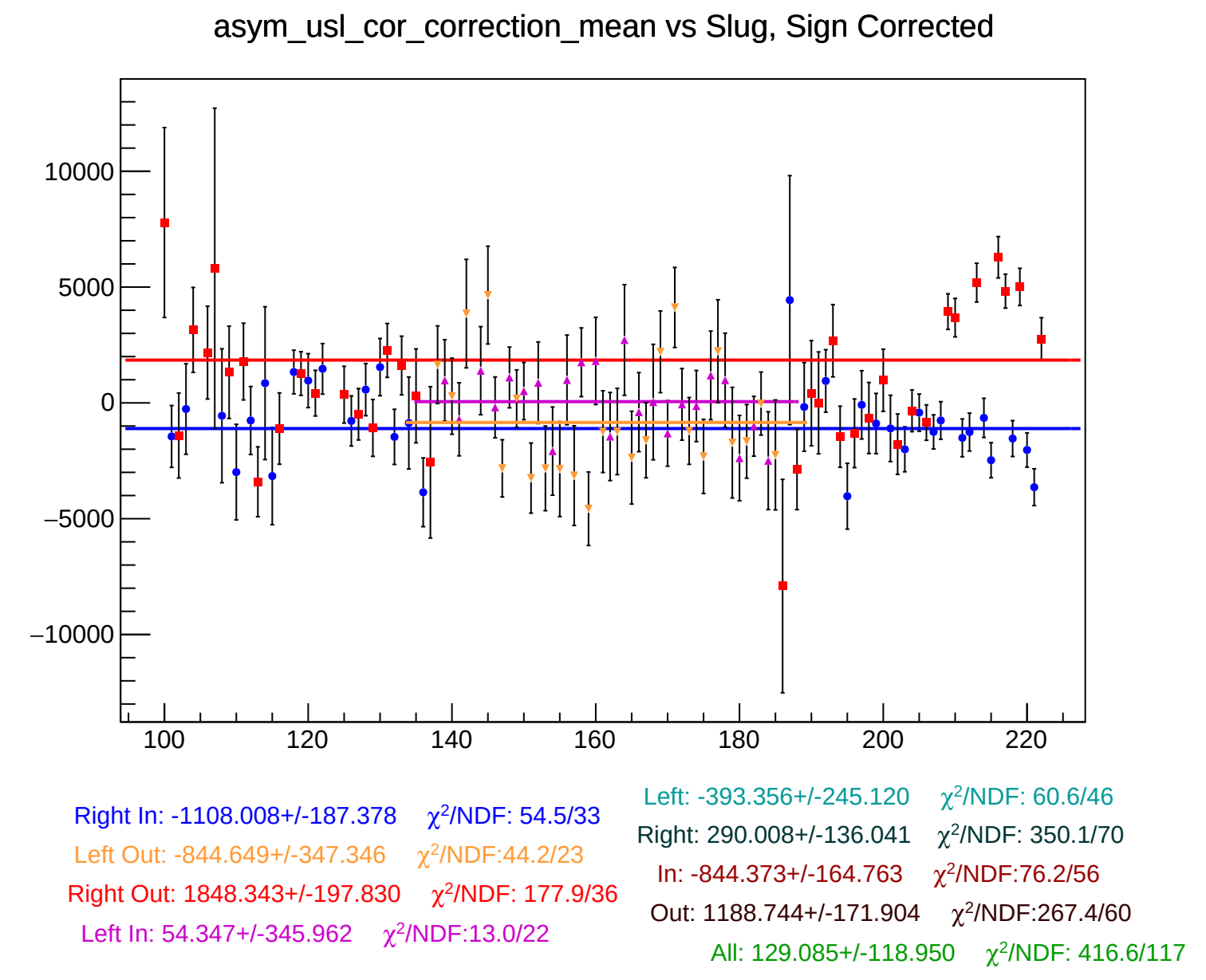
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1092.824+/-0.116 χ^2/NDF: 41260.0/70

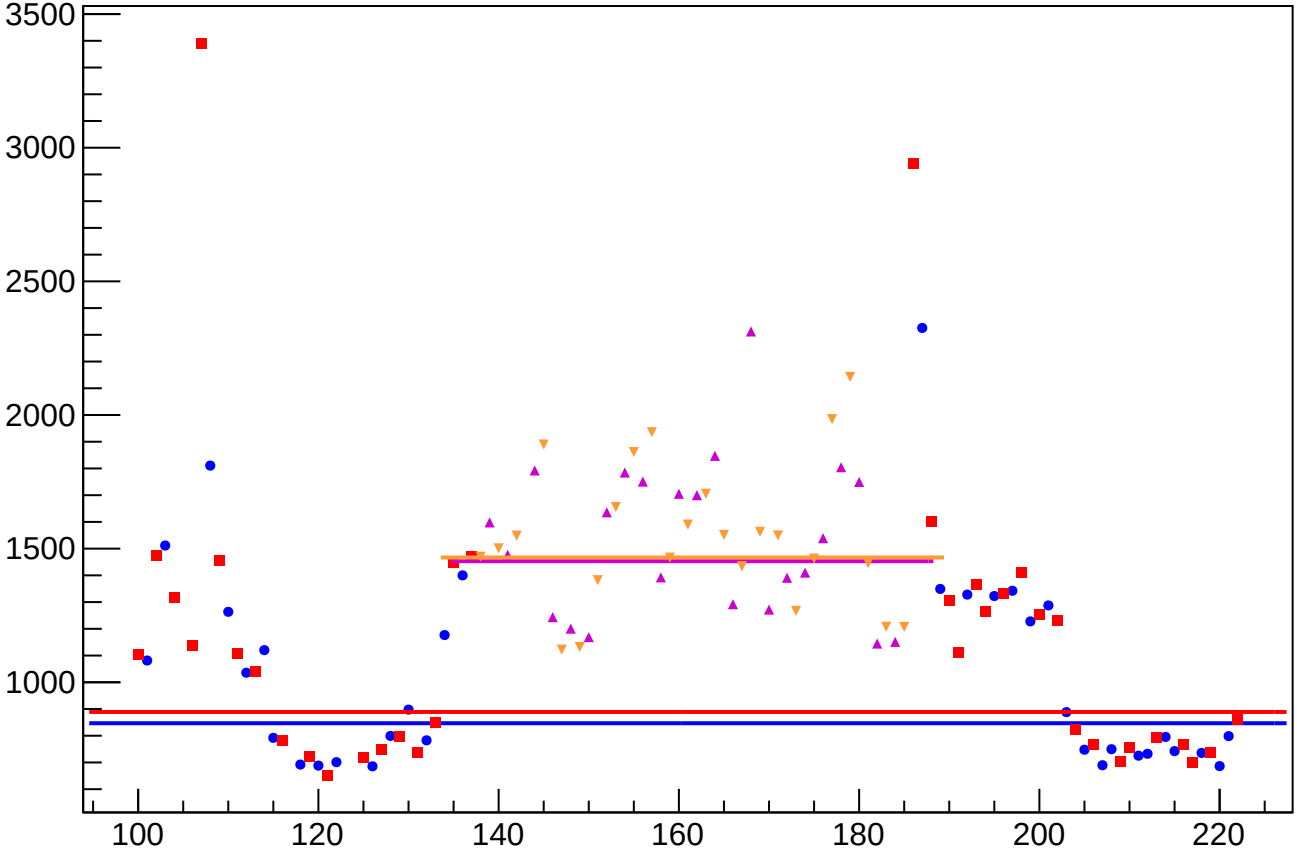
In: 1097.101+/-0.122 χ^2/NDF:25291.2/56

Out: 1100.211+/-0.122 χ^2/NDF:28247.8/60

All: 1098.660+/-0.086 χ^2/NDF: 53864.8/117


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: 1848.343+/-197.830 χ²/NDF: 177.9/36
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 290.008+/-136.041 χ²/NDF: 350.1/70
In: -844.373+/-164.763 χ²/NDF:76.2/56
Out: 1188.744+/-171.904 χ²/NDF:267.4/60
All: 129.085+/-118.950 χ²/NDF: 416.6/117

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 888.978+/-0.140 χ^2/NDF: 3710092.0/36

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

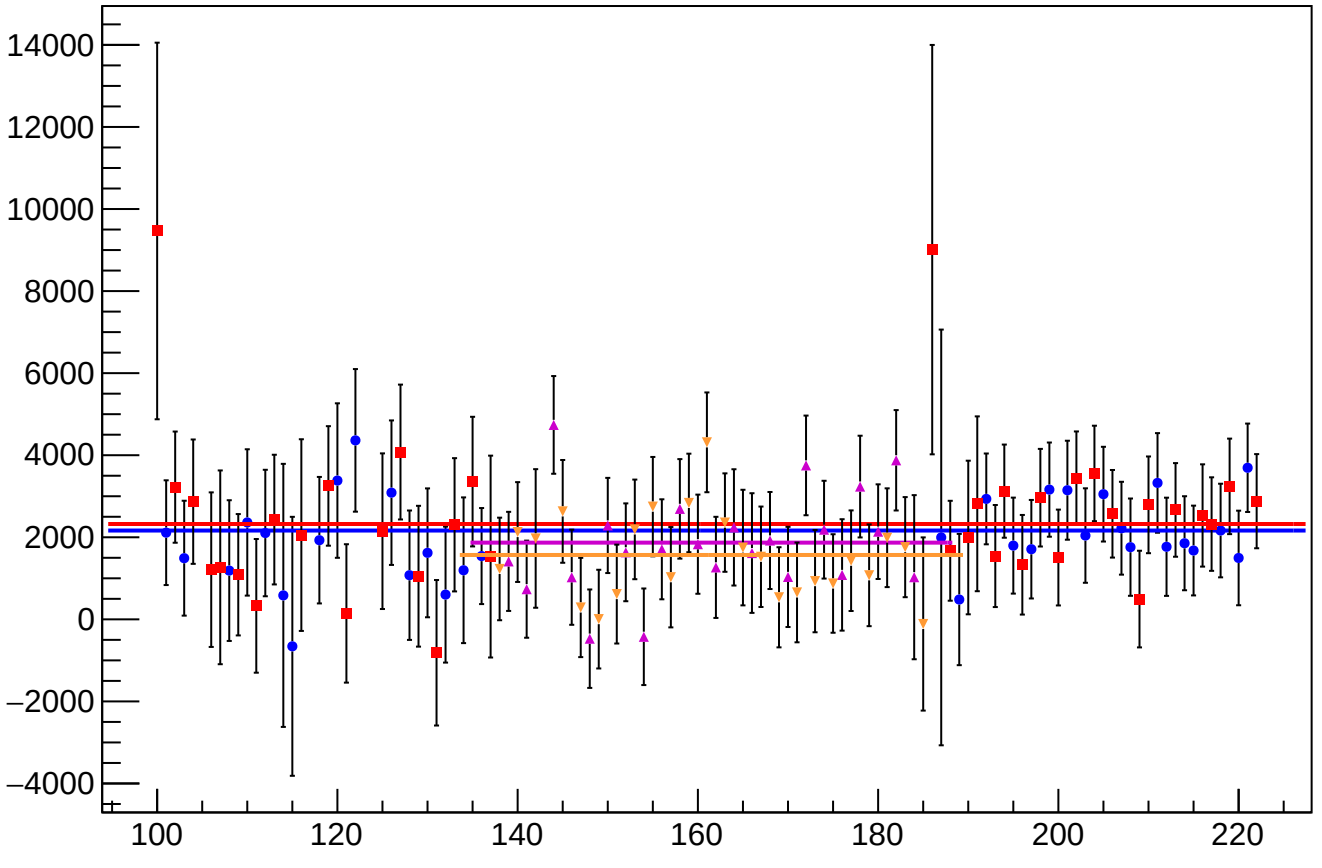
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 866.736+/-0.096 χ^2/NDF: 6701392.8/70

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

Out: 1030.517+/-0.122 χ^2/NDF:8933115.9/60

All: 1006.415+/-0.084 χ^2/NDF: 17829252.6/1



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

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

Right Out: 2323.515+/-234.081 χ^2/NDF: 23.4/36

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

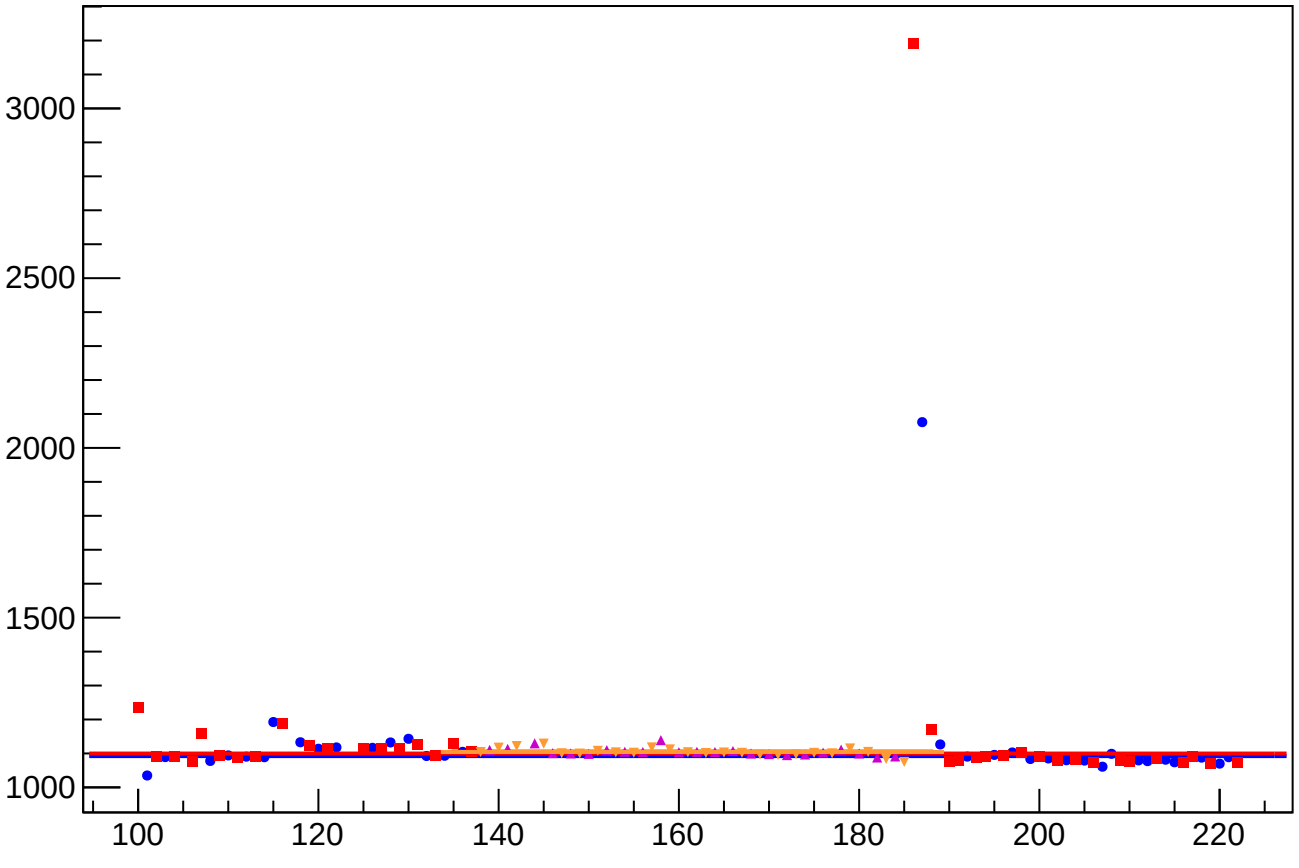
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2243.558+/-165.079 χ^2/NDF: 37.2/70

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

Out: 1980.268+/-172.841 χ^2/NDF:43.5/60

All: 2006.148+/-122.232 χ^2/NDF: 81.3/117



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: 1099.705+/-0.166 χ^2/NDF: 375428.9/36

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

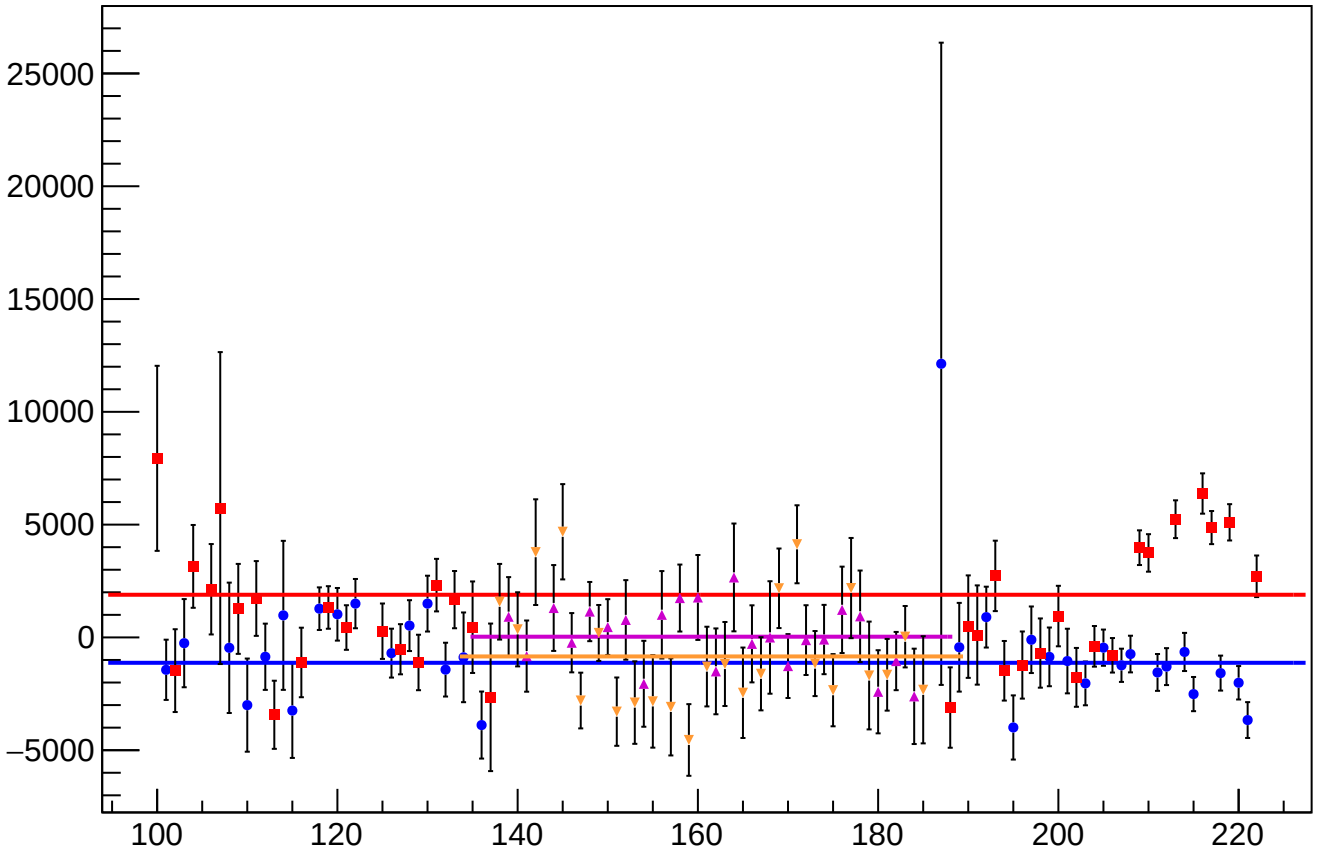
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1095.906+/-0.117 χ^2/NDF: 469575.6/70

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

Out: 1101.776+/-0.122 χ^2/NDF:378772.3/60

All: 1099.931+/-0.086 χ^2/NDF: 478886.6/117



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: 1890.868+/-198.311 χ^2/NDF: 177.0/35

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

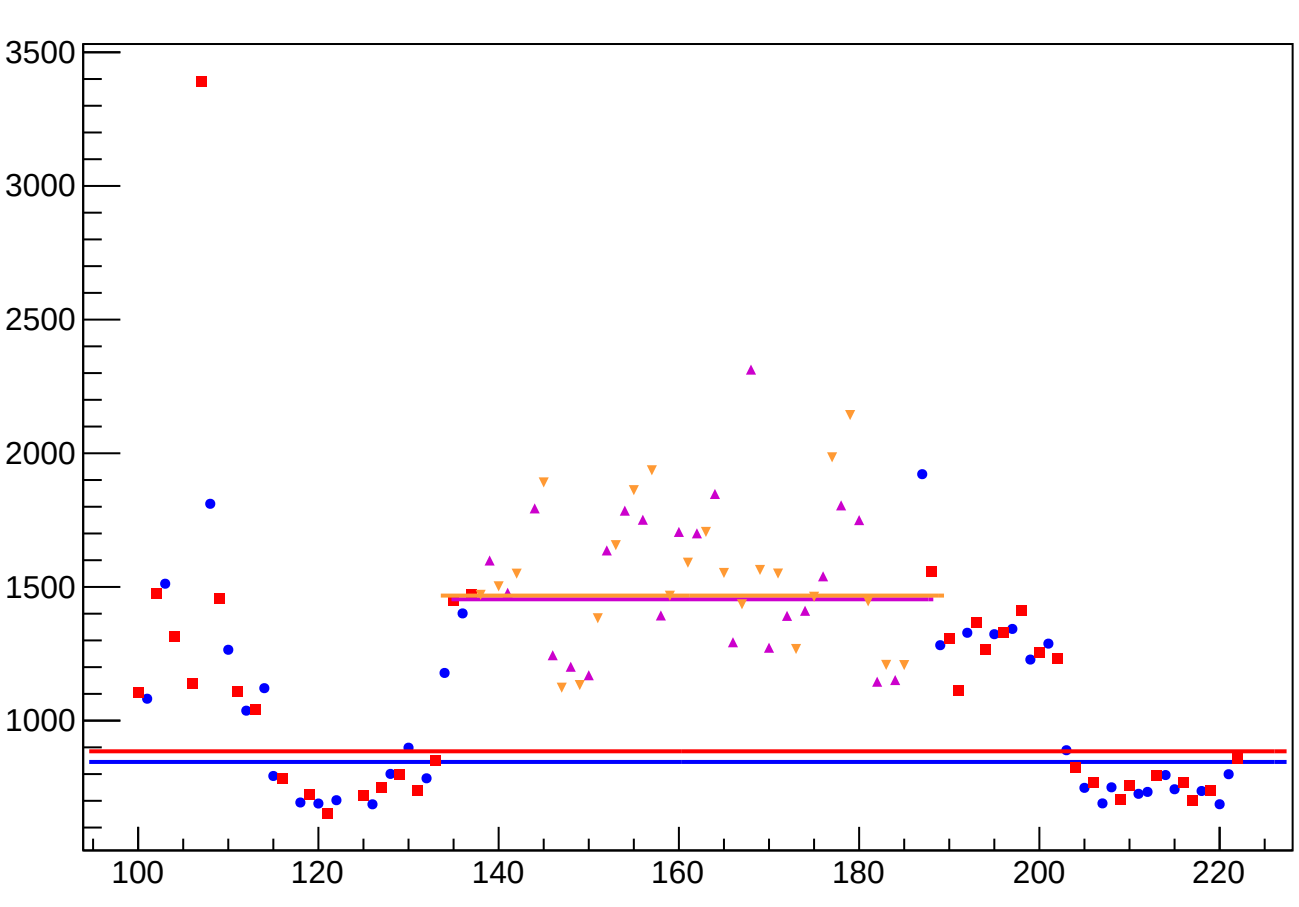
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 300.389+/-136.339 χ^2/NDF: 353.1/69

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

Out: 1219.289+/-172.242 χ^2/NDF:267.7/59

All: 134.051+/-119.164 χ^2/NDF: 419.7/116



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: 885.182+/-0.140 χ^2/NDF: 3246188.9/35

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

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

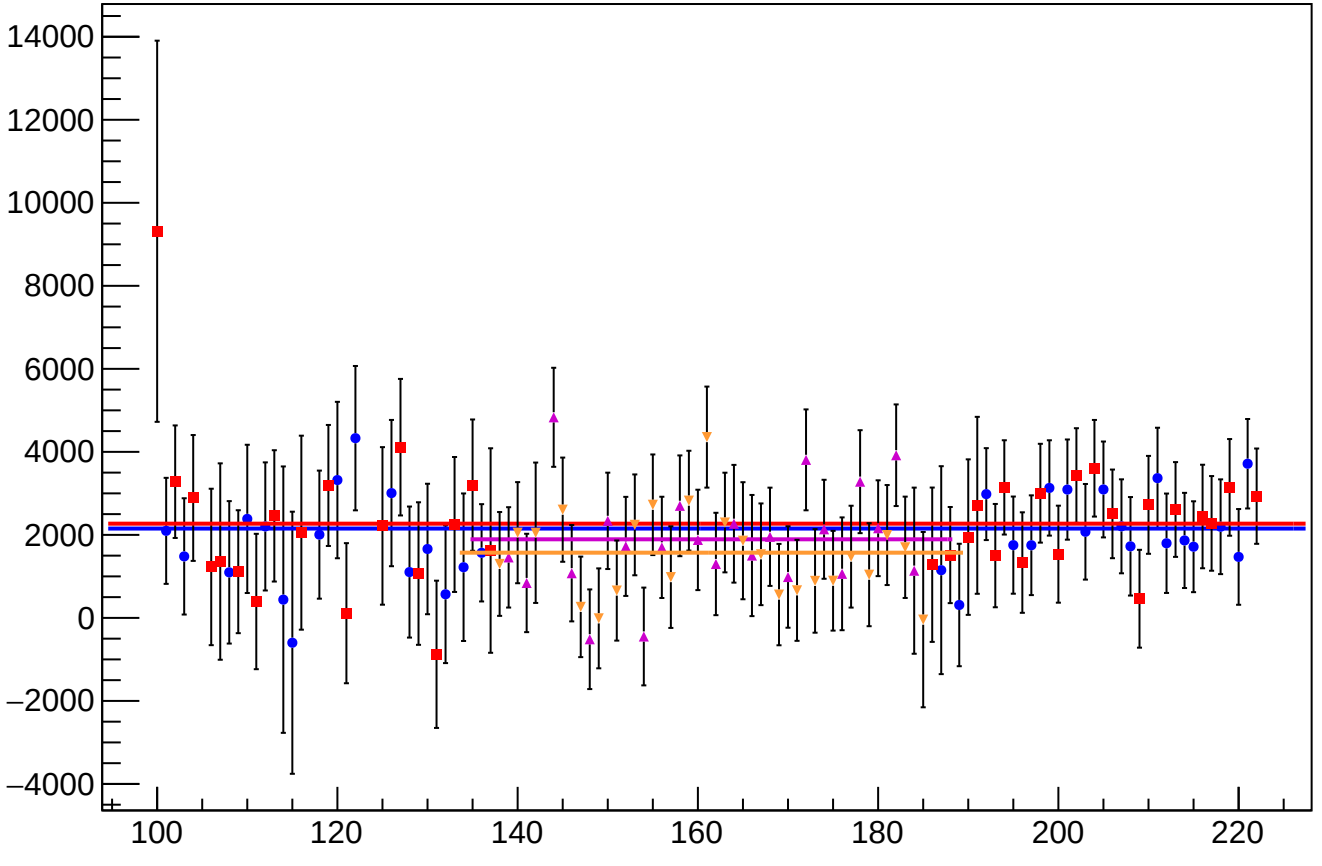
Right: 864.203+/-0.096 χ^2/NDF: 6044883.6/69

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

Out: 1028.263+/-0.122 χ^2/NDF:8526702.5/59

All: 1005.031+/-0.084 χ^2/NDF: 17255177.3/1

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: 2270.083+/-232.173 χ^2/NDF: 21.9/36

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

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

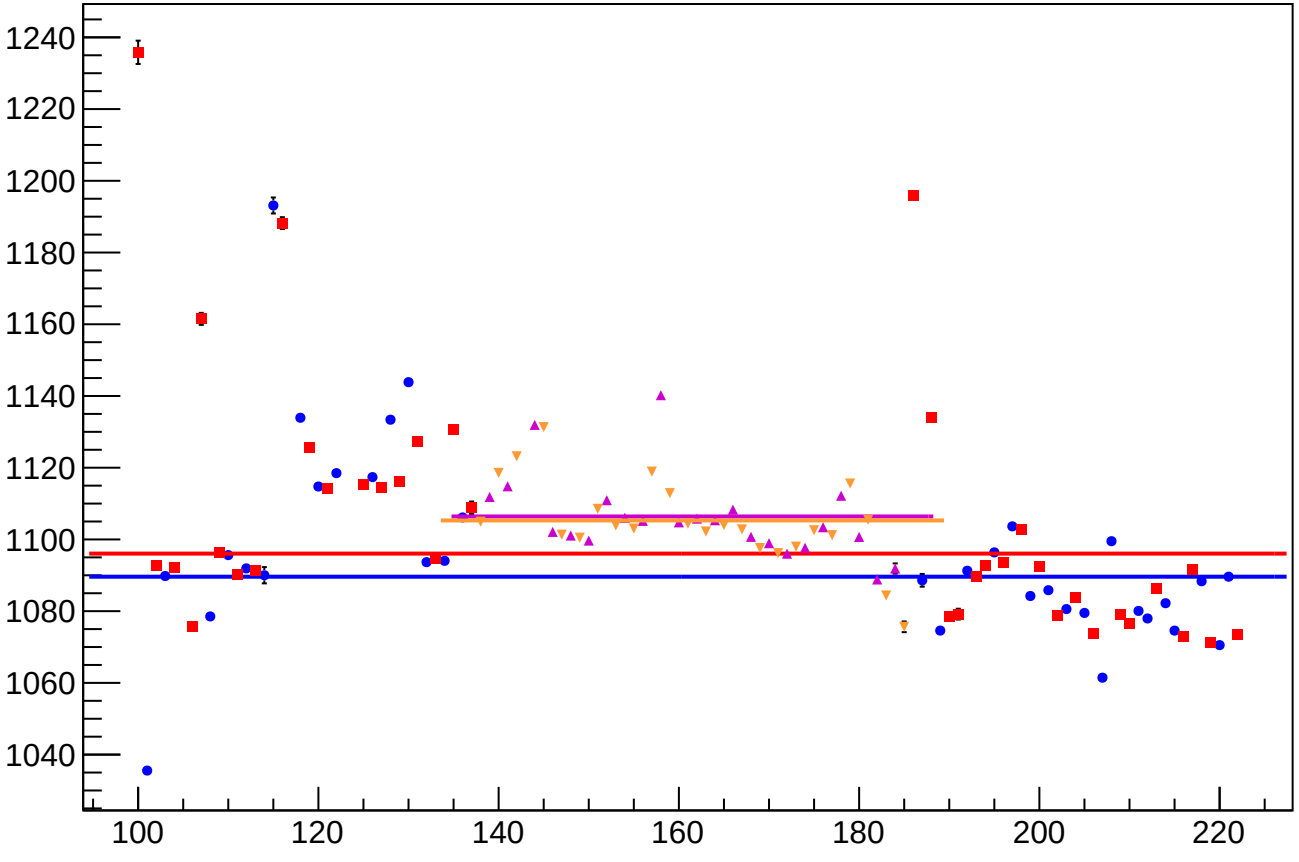
Right: 2211.055+/-164.040 χ^2/NDF: 36.2/70

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

Out: 1955.330+/-172.142 χ^2/NDF:41.3/60

All: 1995.952+/-121.860 χ^2/NDF: 80.3/117

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: 1096.048+/-0.164 χ^2/NDF: 23657.9/36

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

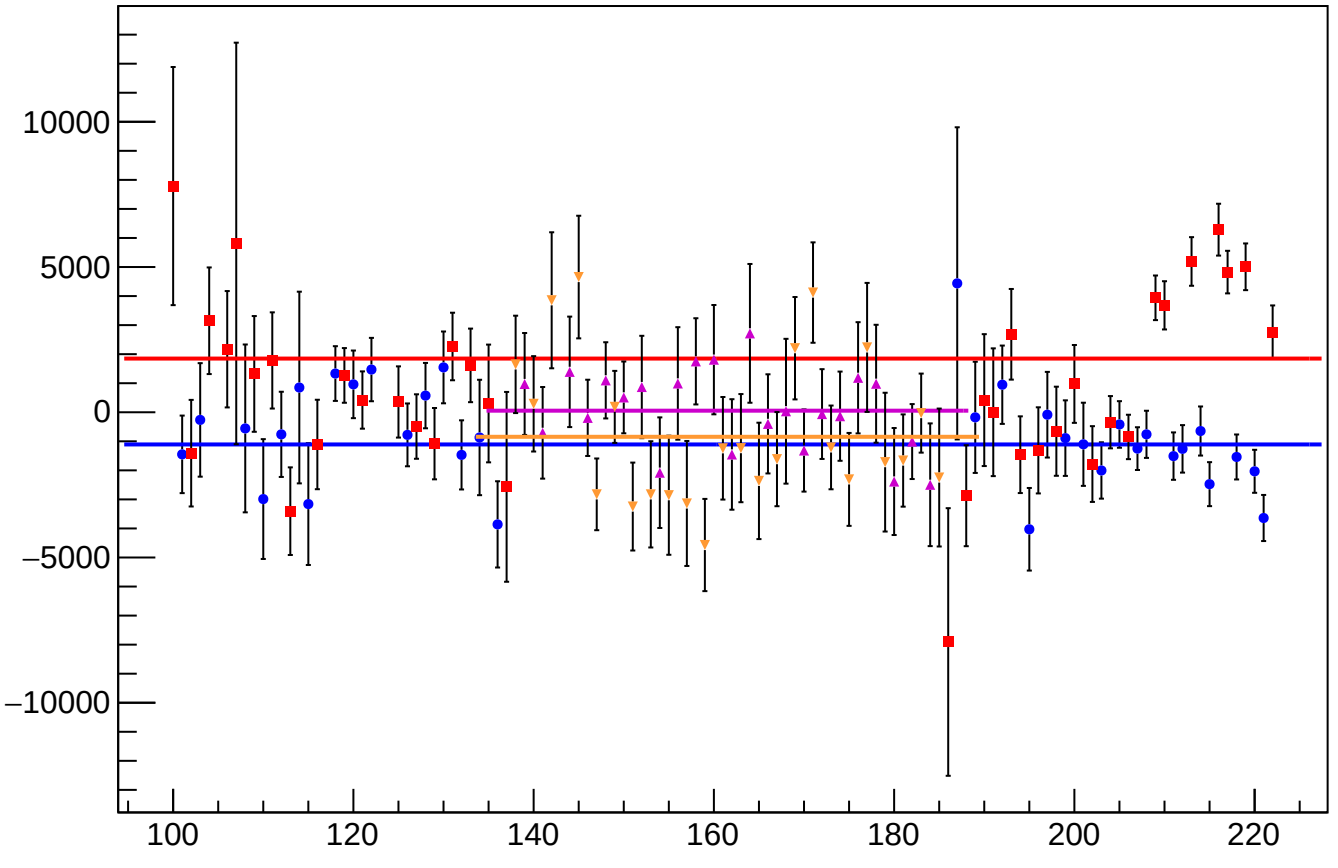
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1092.824+/-0.116 χ^2/NDF: 41260.0/70

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

Out: 1100.211+/-0.122 χ^2/NDF:28247.8/60

All: 1098.660+/-0.086 χ^2/NDF: 53864.8/117



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: 1848.343+/-197.830 χ^2/NDF: 177.9/36

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

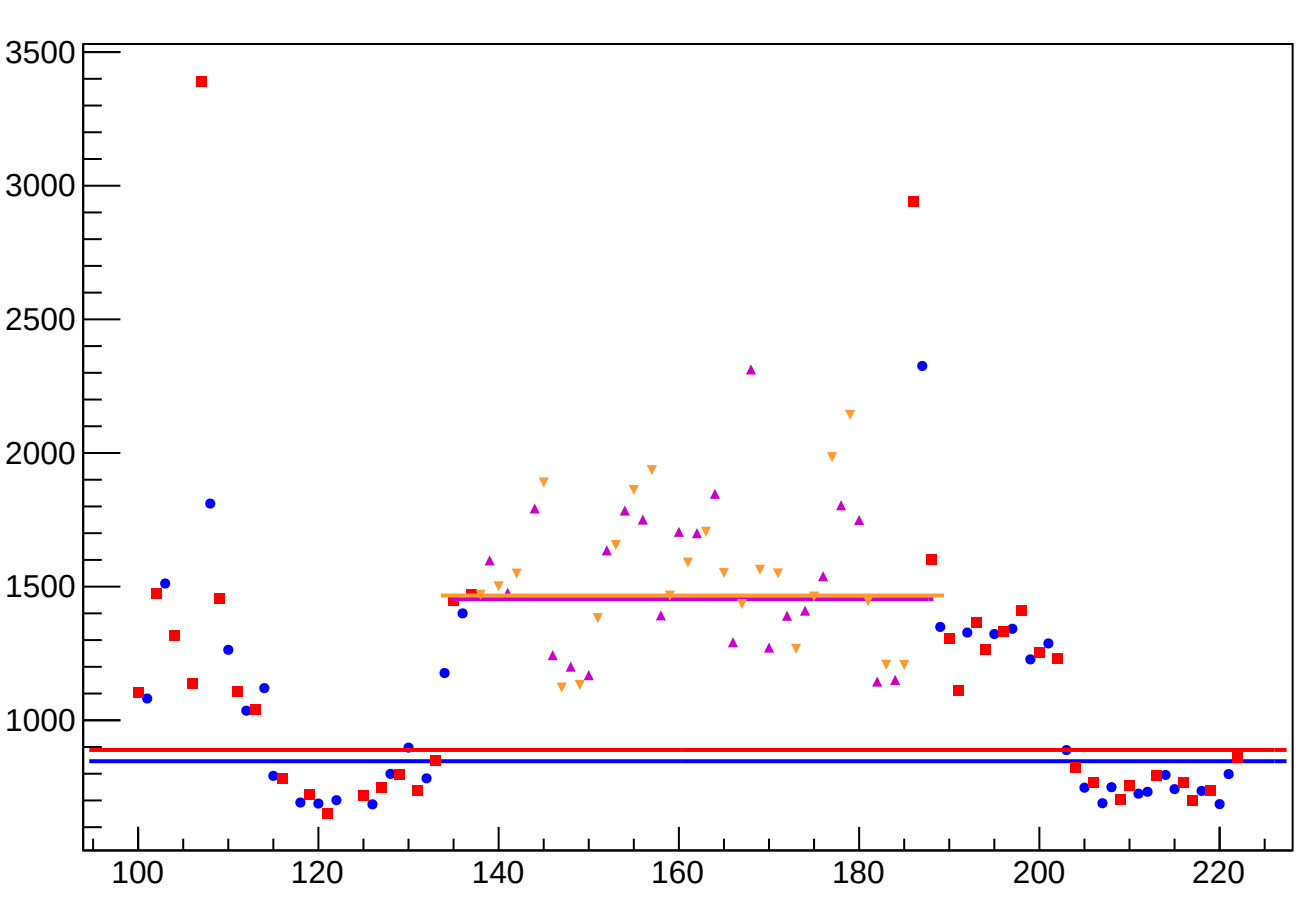
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 290.008+/-136.041 χ^2/NDF: 350.1/70

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

Out: 1188.744+/-171.904 χ^2/NDF:267.4/60

All: 129.085+/-118.950 χ^2/NDF: 416.6/117



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

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

Right Out: 888.978+/-0.140 χ^2/NDF: 3710092.0/36

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

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

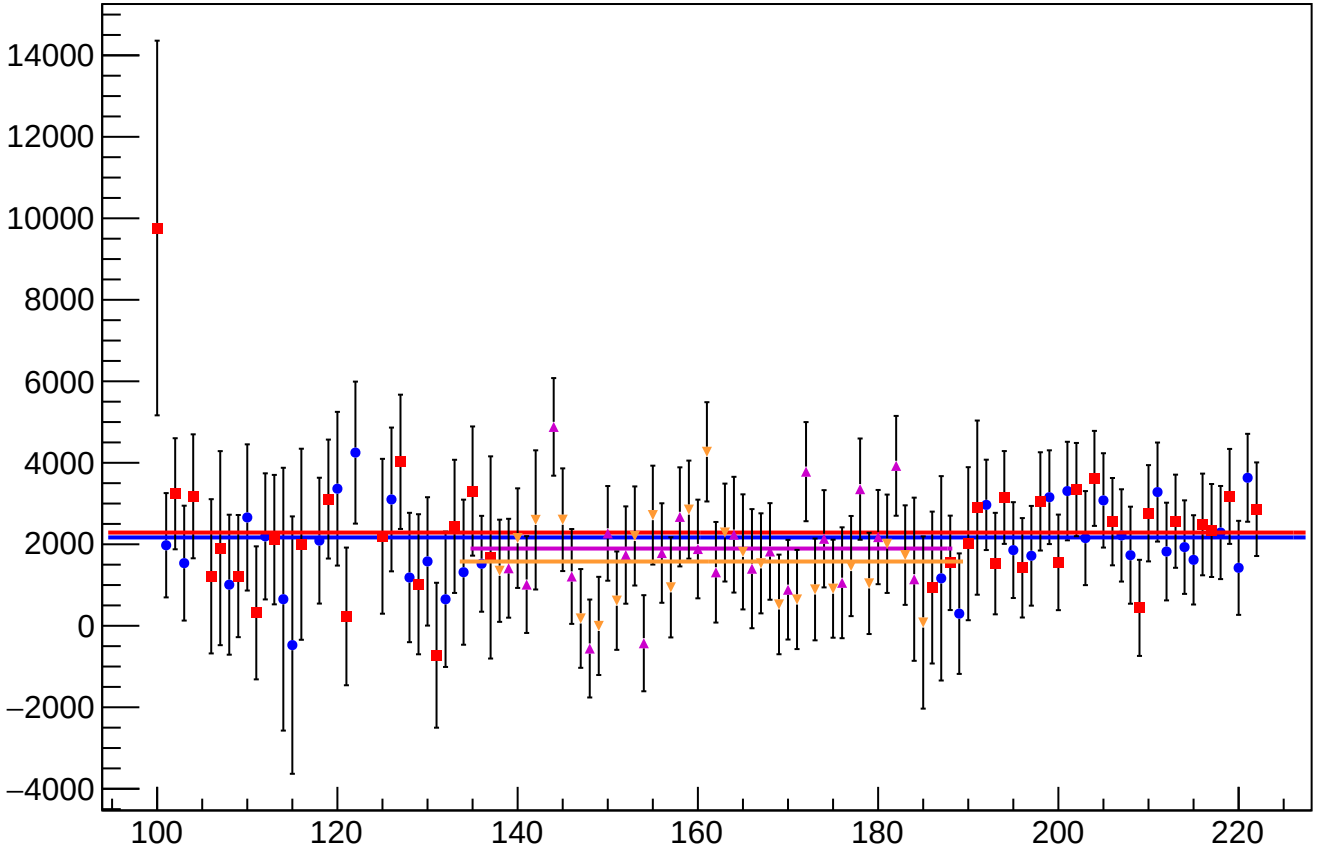
Right: 866.736+/-0.096 χ^2/NDF: 6701392.8/70

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

Out: 1030.517+/-0.122 χ^2/NDF:8933115.9/60

All: 1006.415+/-0.084 χ^2/NDF: 17829252.6/1

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2288.068+/-232.878 χ^2/NDF: 21.6/36

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

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

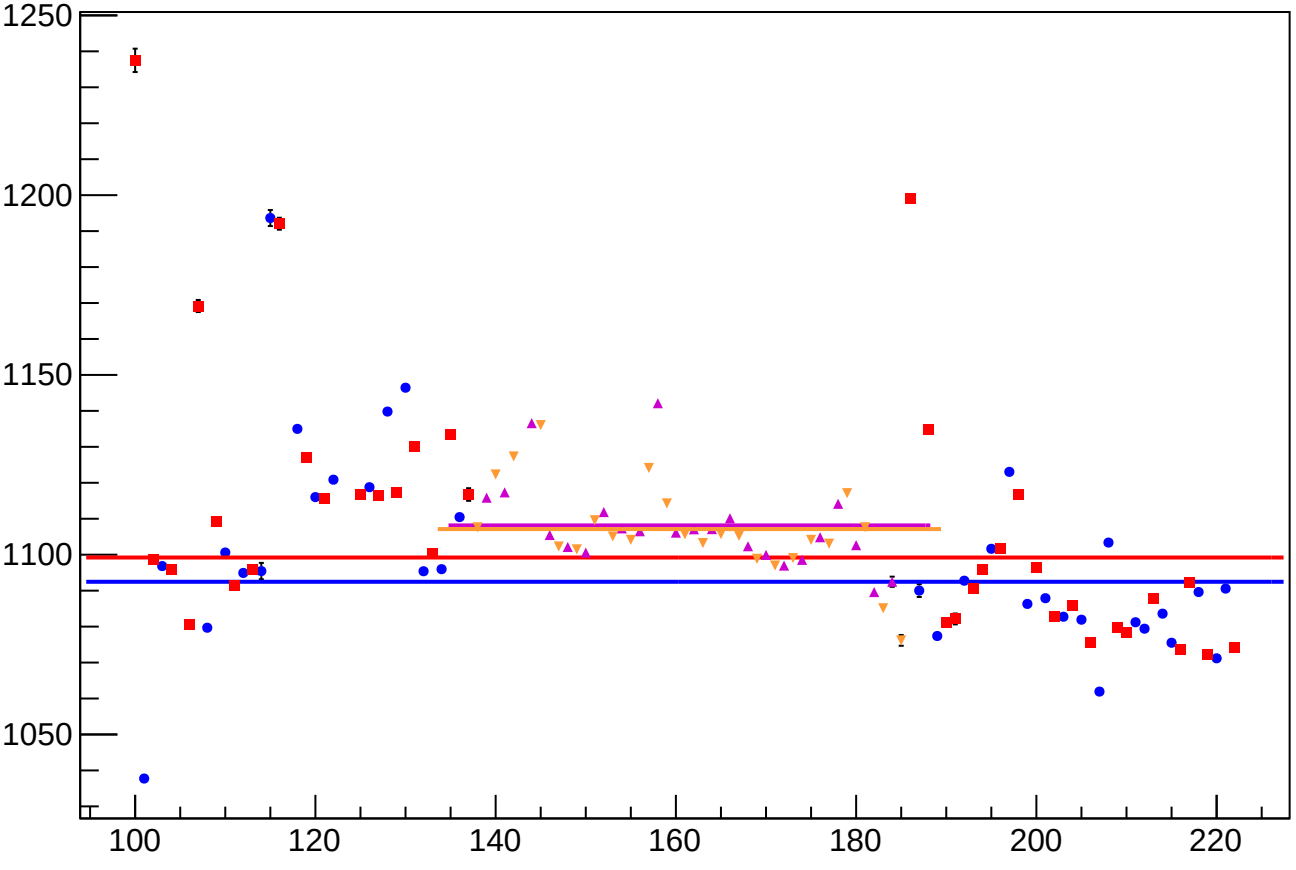
Right: 2227.921+/-164.509 χ^2/NDF: 35.8/70

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

Out: 1967.648+/-172.570 χ^2/NDF:41.4/60

All: 2006.917+/-122.145 χ^2/NDF: 80.2/117

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: 1099.219+/-0.165 χ^2/NDF: 24645.4/36

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

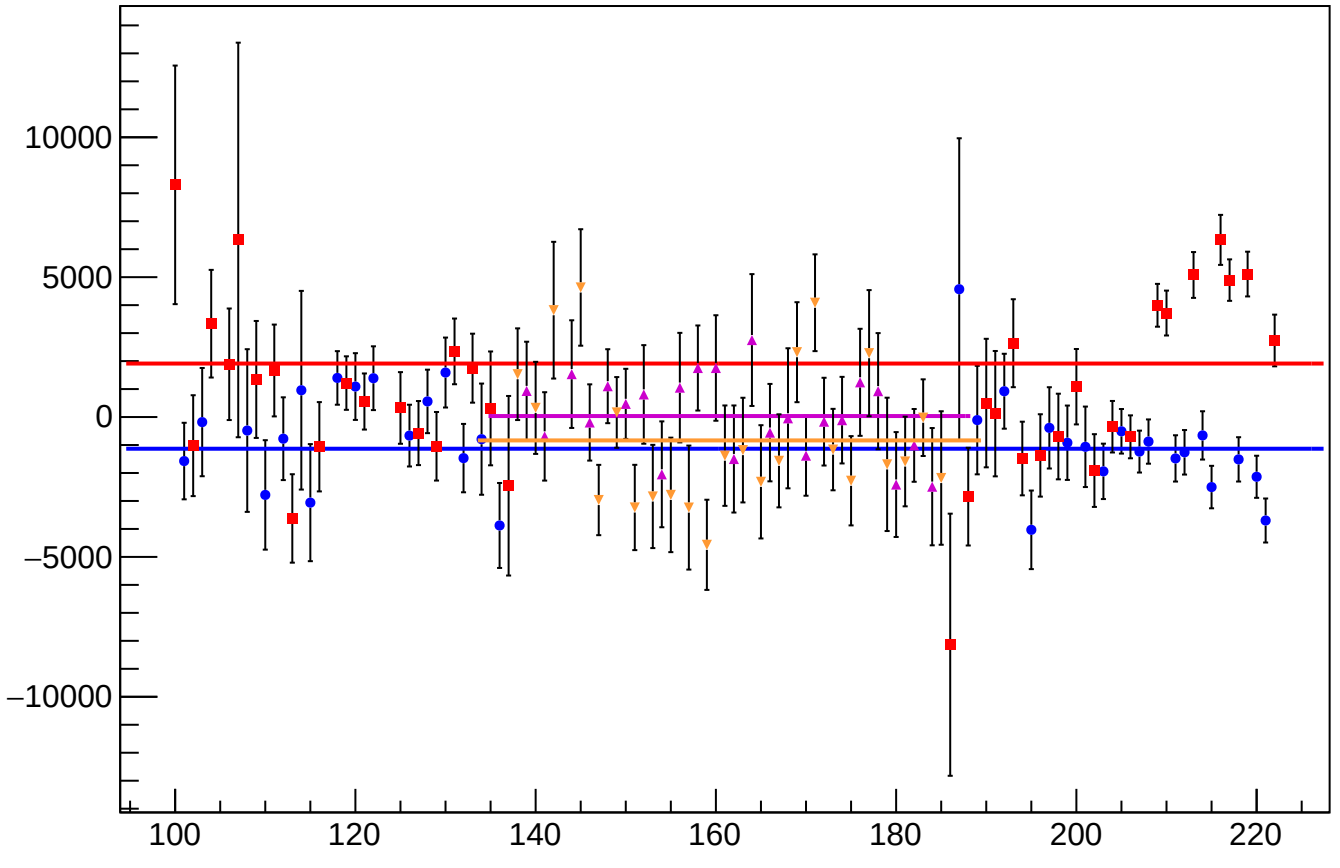
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1095.837+/-0.116 χ^2/NDF: 44089.3/70

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

Out: 1102.784+/-0.122 χ^2/NDF:29468.9/60

All: 1101.130+/-0.086 χ^2/NDF: 56693.0/117



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: 1912.119+/-198.611 χ^2/NDF: 178.1/36

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

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

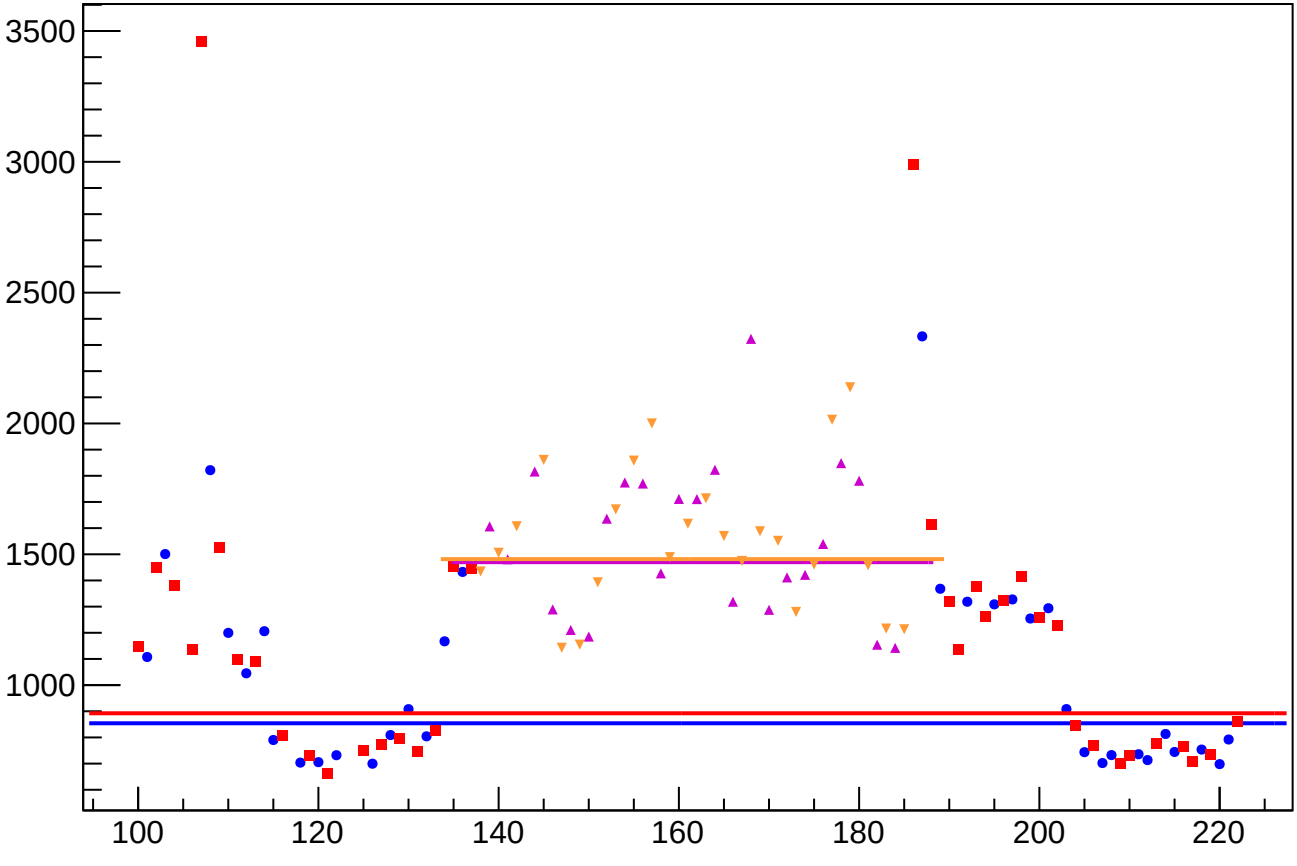
Right: 312.319+/-136.828 χ^2/NDF: 355.9/70

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

Out: 1244.693+/-172.811 χ^2/NDF:268.1/60

All: 145.963+/-119.756 χ^2/NDF: 422.0/117

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: 892.378+/-0.140 χ^2/NDF: 3753877.9/36

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

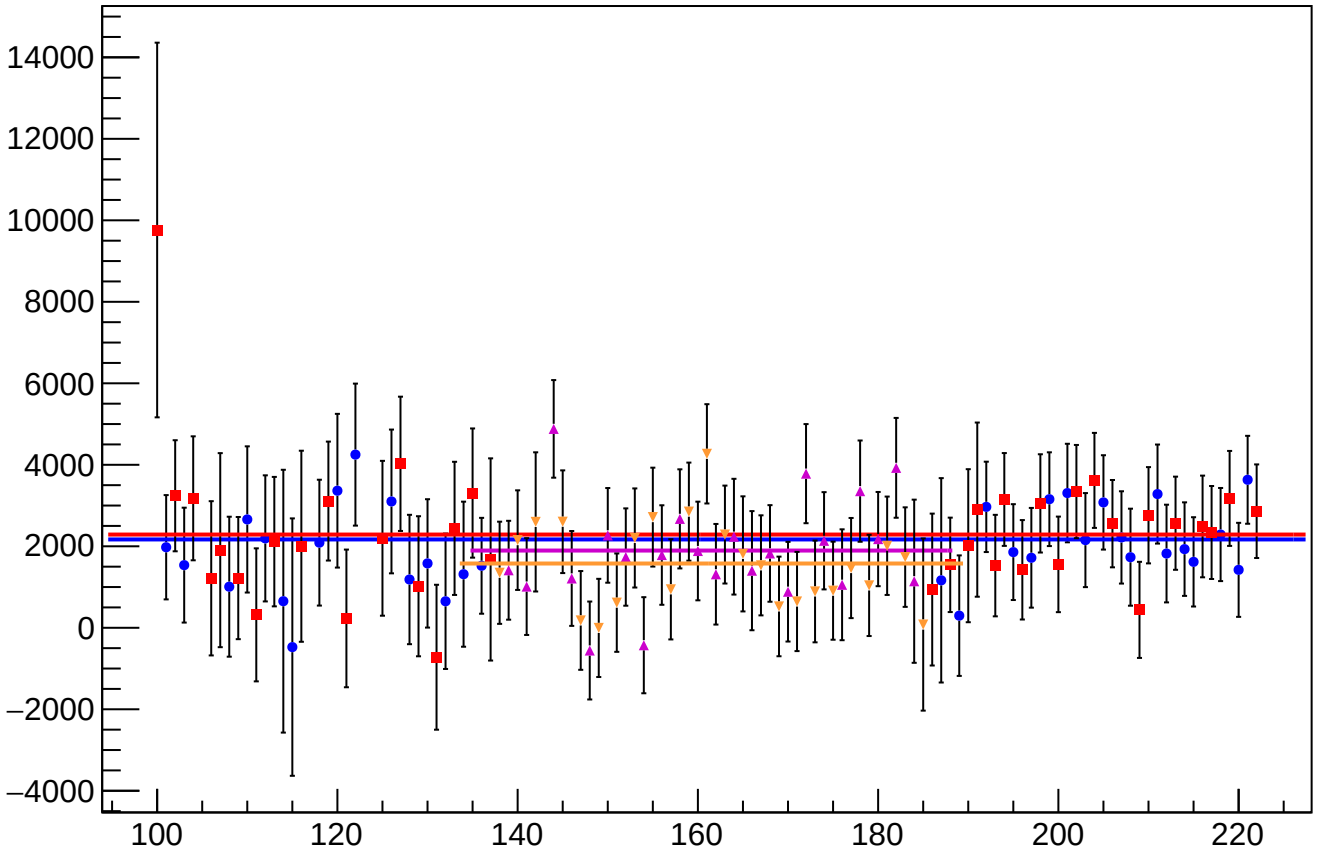
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 872.302+/-0.097 χ^2/NDF: 6692001.5/70

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

Out: 1035.504+/-0.122 χ^2/NDF:9046770.0/60

All: 1013.487+/-0.085 χ^2/NDF: 17906359.9/1



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: 2288.067+/-232.878 χ^2/NDF: 21.6/36

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

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

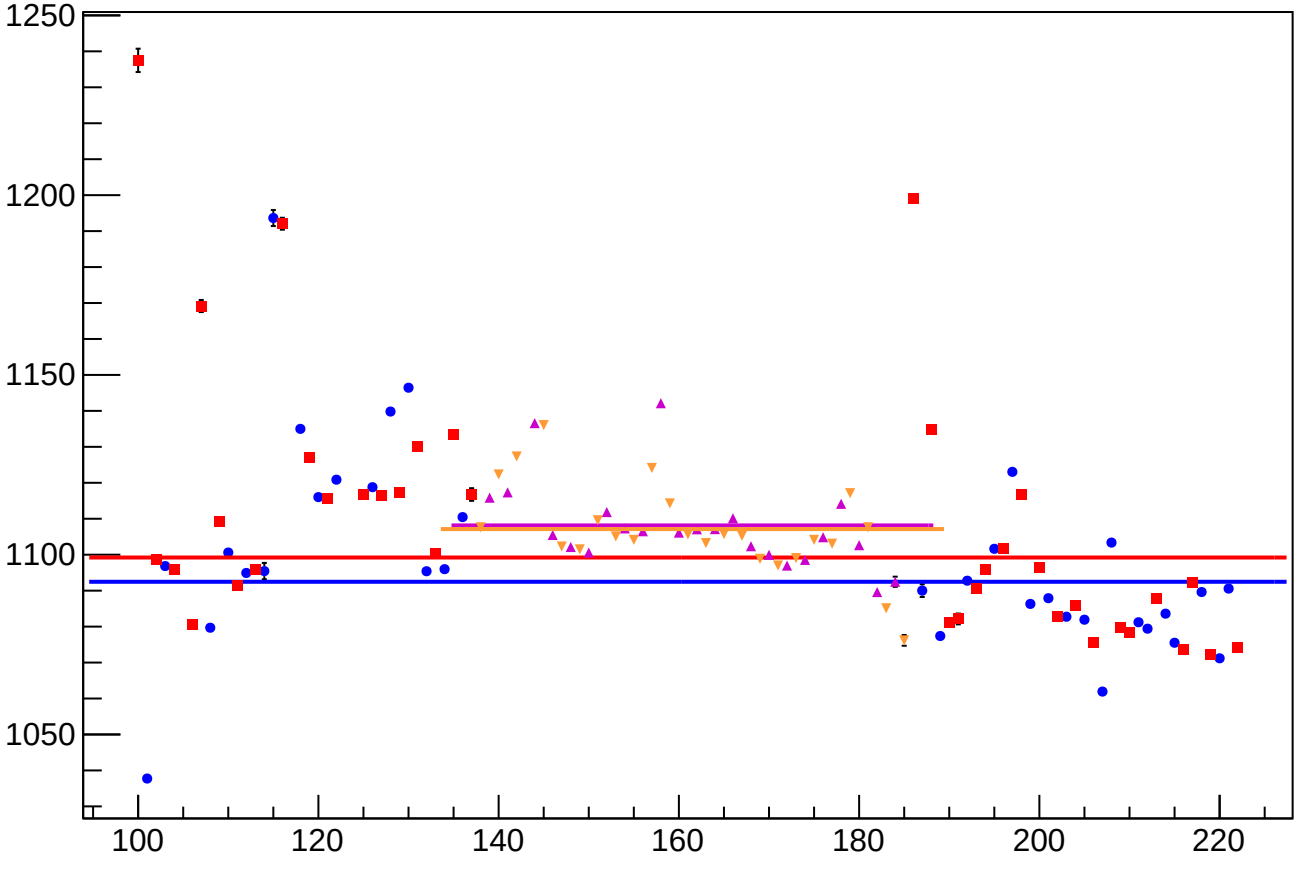
Right: 2227.921+/-164.509 χ^2/NDF: 35.8/70

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

Out: 1967.646+/-172.570 χ^2/NDF:41.4/60

All: 2006.916+/-122.145 χ^2/NDF: 80.2/117

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: 1099.219+/-0.165 χ^2/NDF: 24645.3/36

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

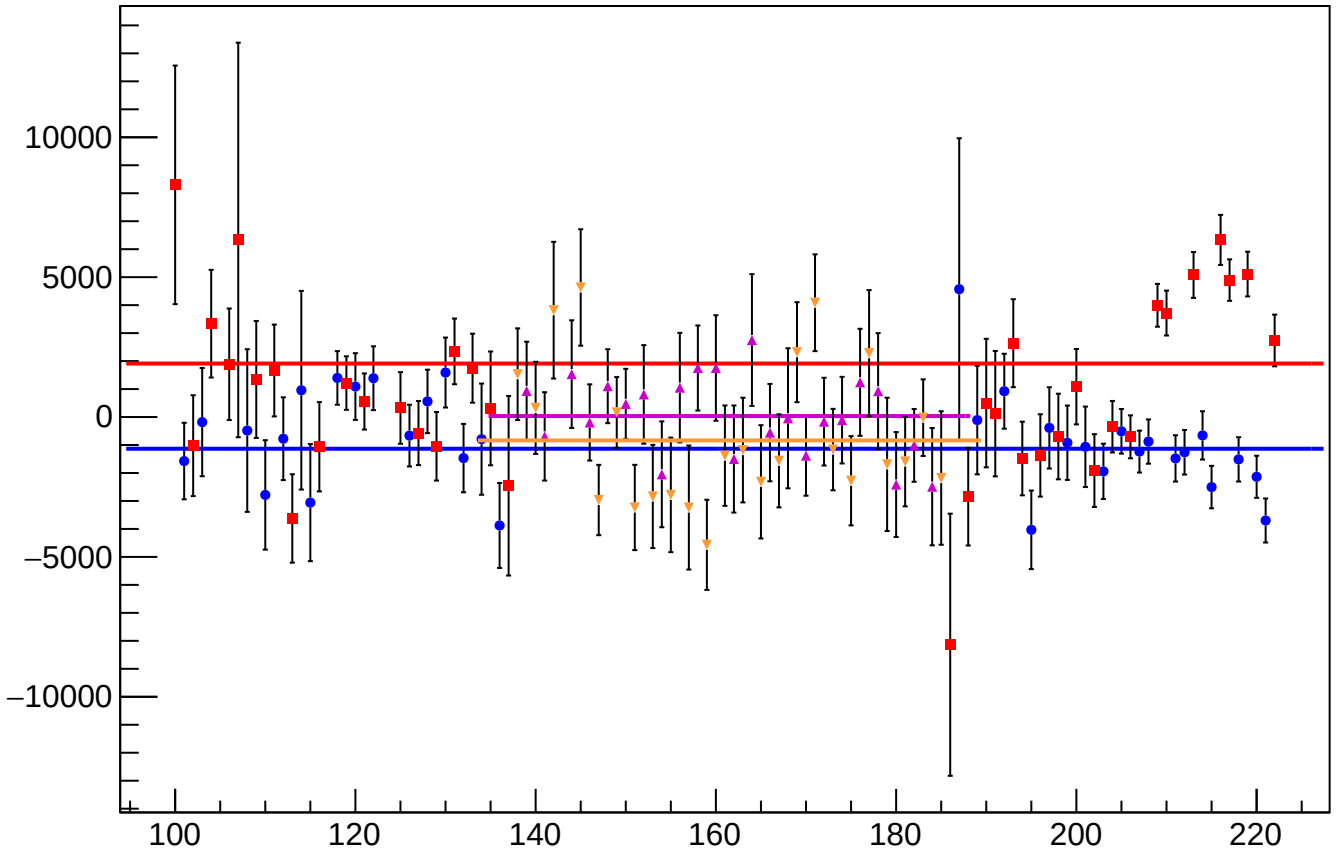
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1095.837+/-0.116 χ^2/NDF: 44089.2/70

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

Out: 1102.784+/-0.122 χ^2/NDF:29468.8/60

All: 1101.130+/-0.086 χ^2/NDF: 56692.9/117



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

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

Right Out: 1912.116+/-198.611 χ^2/NDF: 178.1/36

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

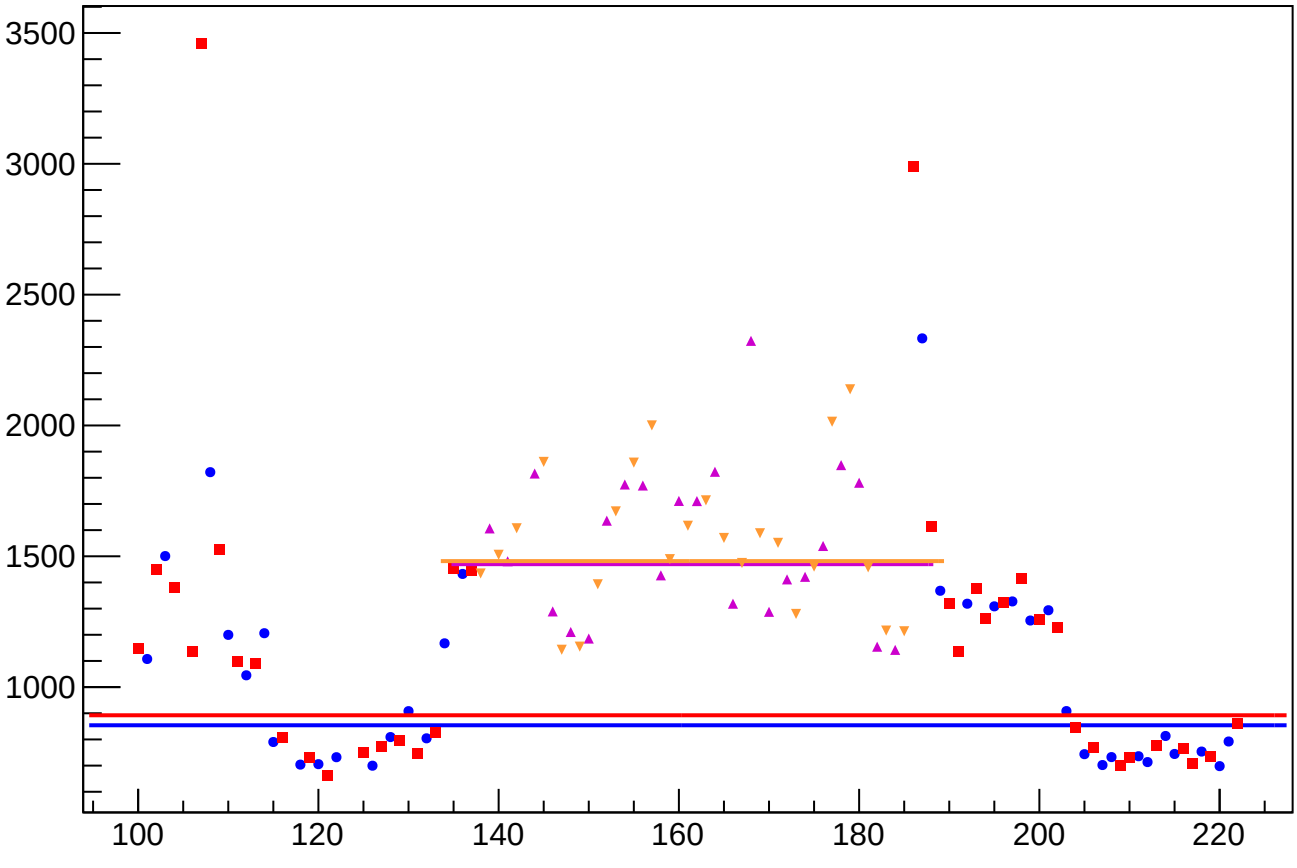
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 312.319+/-136.828 χ^2/NDF: 355.9/70

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

Out: 1244.691+/-172.811 χ^2/NDF:268.1/60

All: 145.963+/-119.756 χ^2/NDF: 422.0/117



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: 892.378+/-0.140 χ^2/NDF: 3753876.6/36

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

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

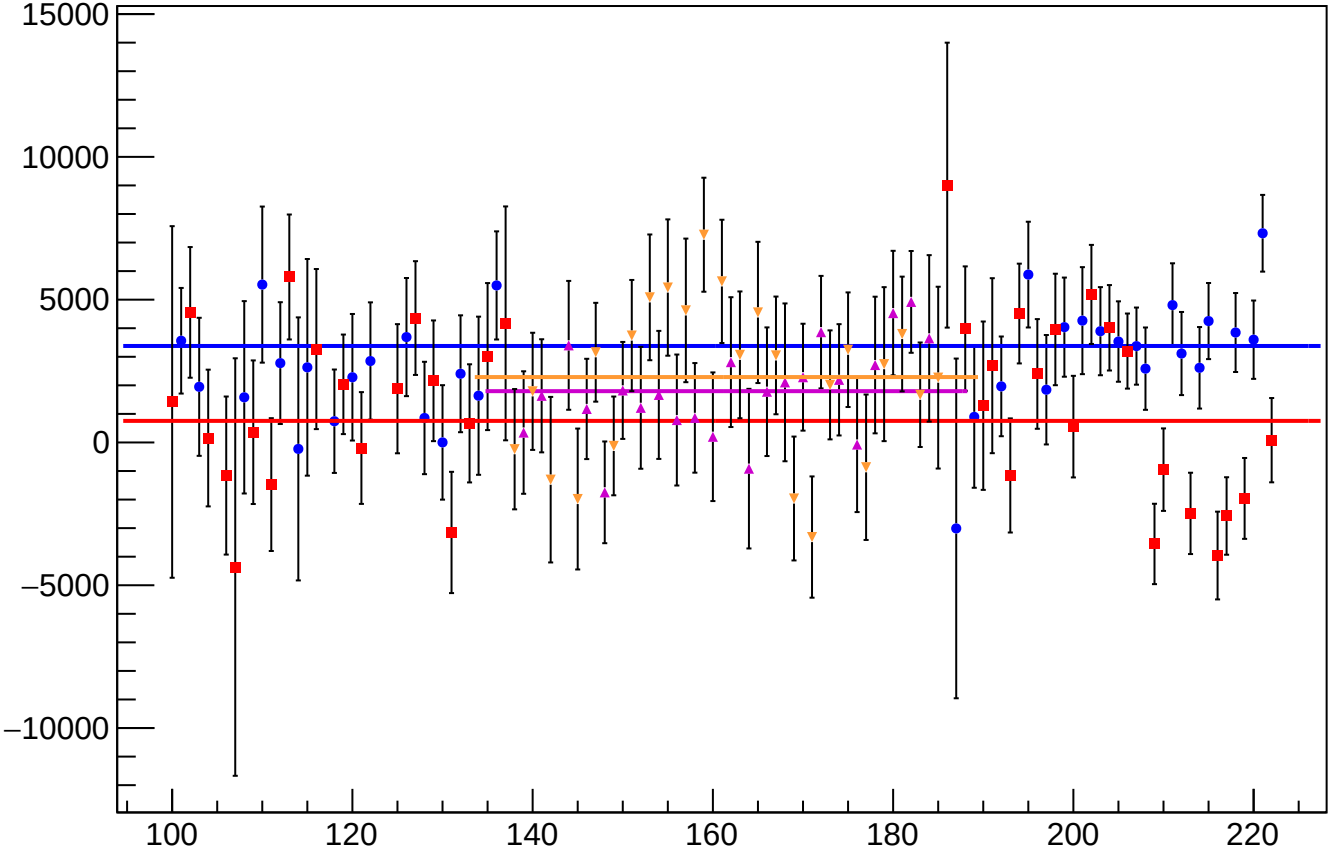
Right: 872.301+/-0.097 χ^2/NDF: 6691999.0/70

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

Out: 1035.504+/-0.122 χ^2/NDF:9046786.5/60

All: 1013.487+/-0.085 χ^2/NDF: 17906392.1/1

asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 755.287+/-319.291 χ^2/NDF: 84.8/36

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

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

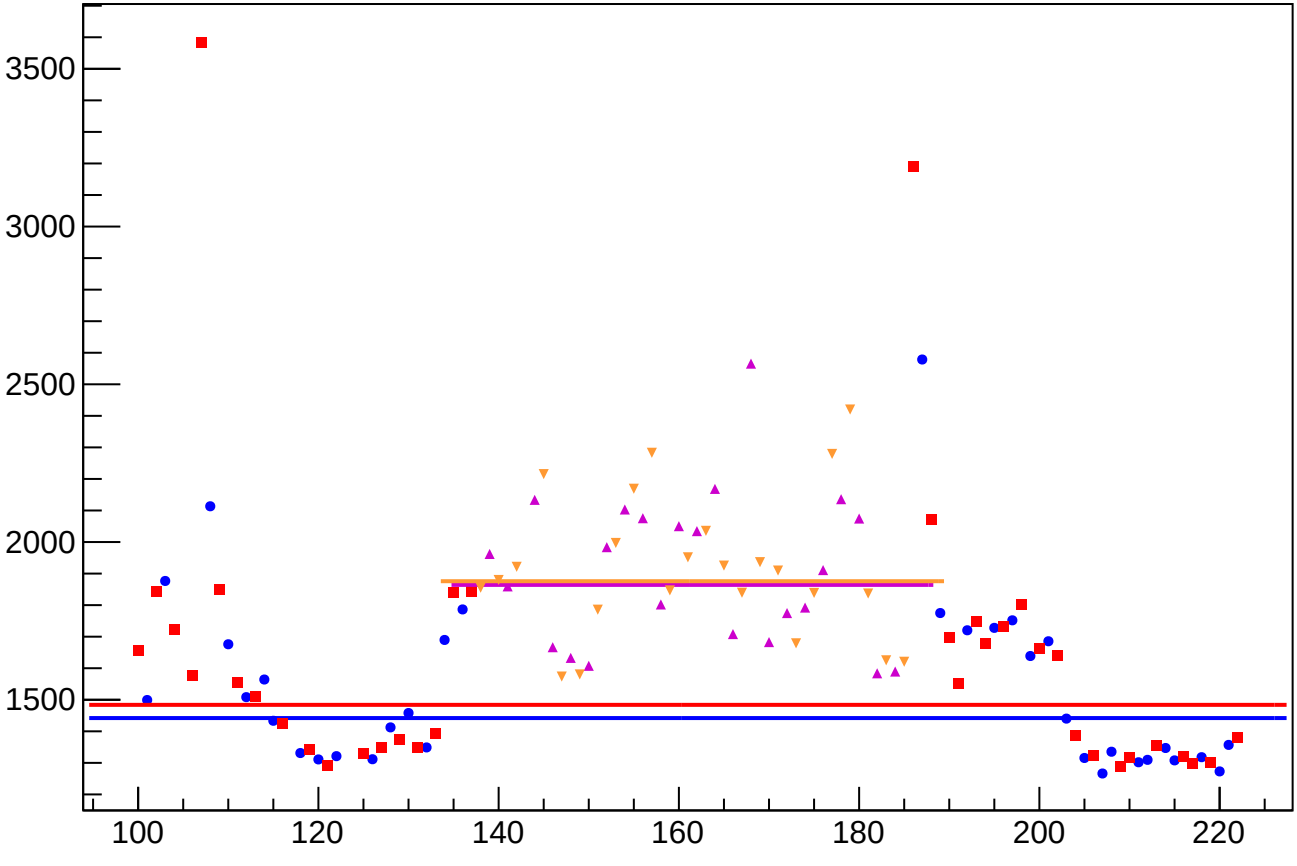
Right: 2106.036+/-222.379 χ^2/NDF: 146.9/70

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

Out: 1285.631+/-258.284 χ^2/NDF:128.8/60

All: 2084.639+/-180.811 χ^2/NDF: 197.8/117

asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1483.904+/-0.226 χ^2/NDF: 1200067.2/36

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

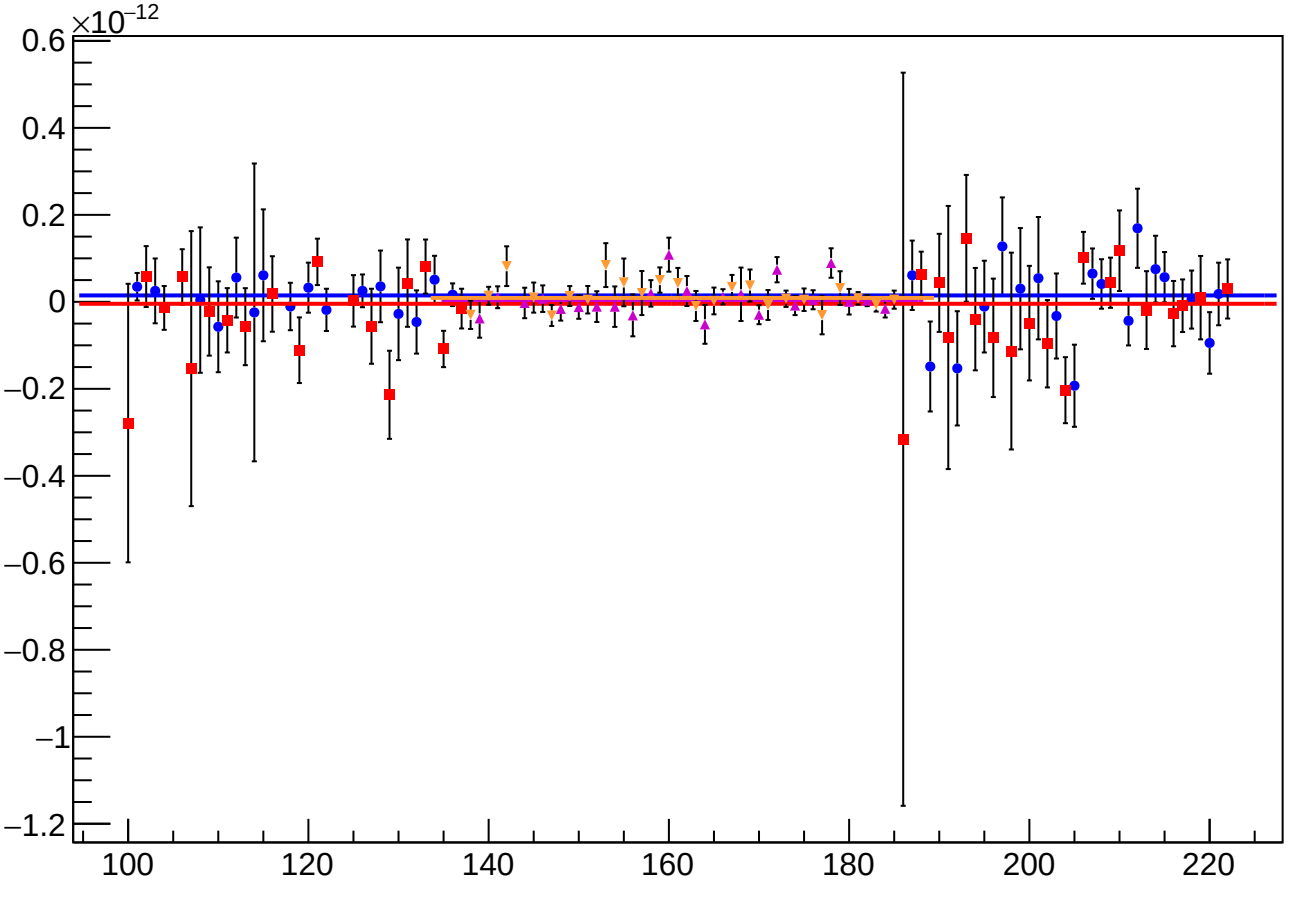
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1462.339+/-0.157 χ^2/NDF: 1996797.9/70

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

Out: 1619.362+/-0.183 χ^2/NDF:2714116.0/60

All: 1600.495+/-0.128 χ^2/NDF: 5258375.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/36

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

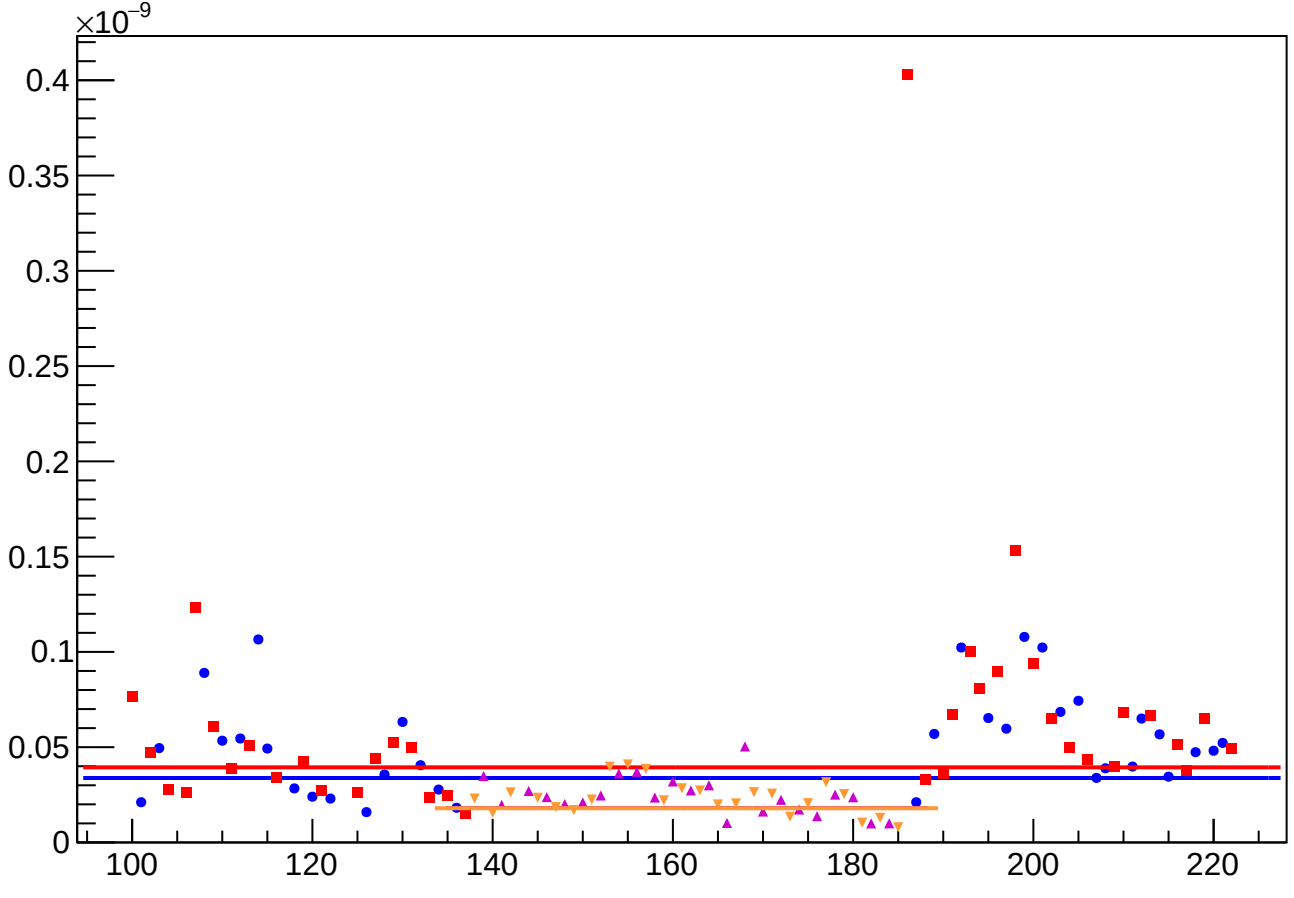
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 63.3/70

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:56.9/60

All: 0.000+/-0.000 χ^2/NDF: 108.3/117



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: 4661775.0/36

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

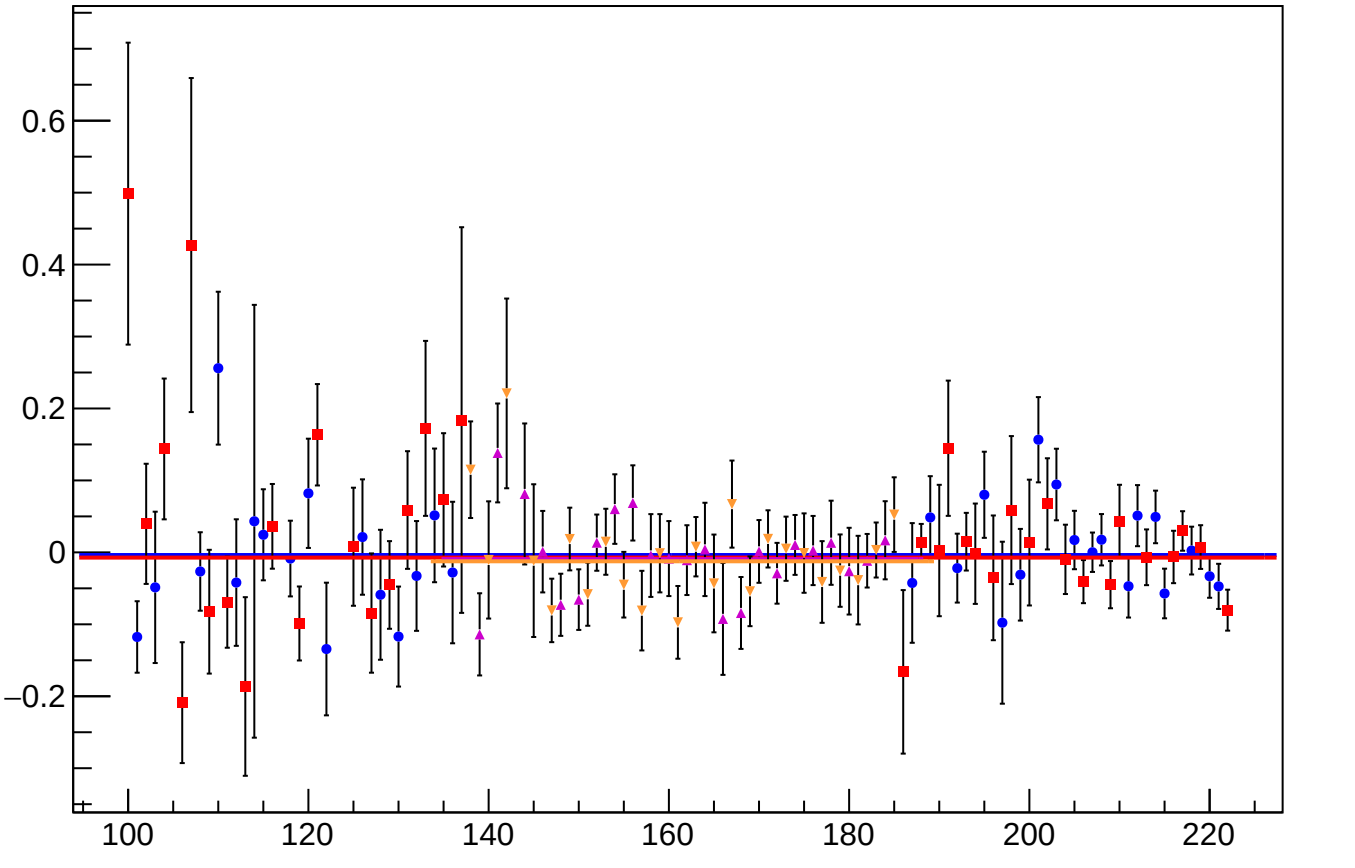
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10726383.5/70

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

Out: 0.000+/-0.000 χ^2/NDF:13131726.4/60

All: 0.000+/-0.000 χ^2/NDF: 26477362.6/117



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: -0.007+/-0.009 χ^2/NDF: 56.2/36

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

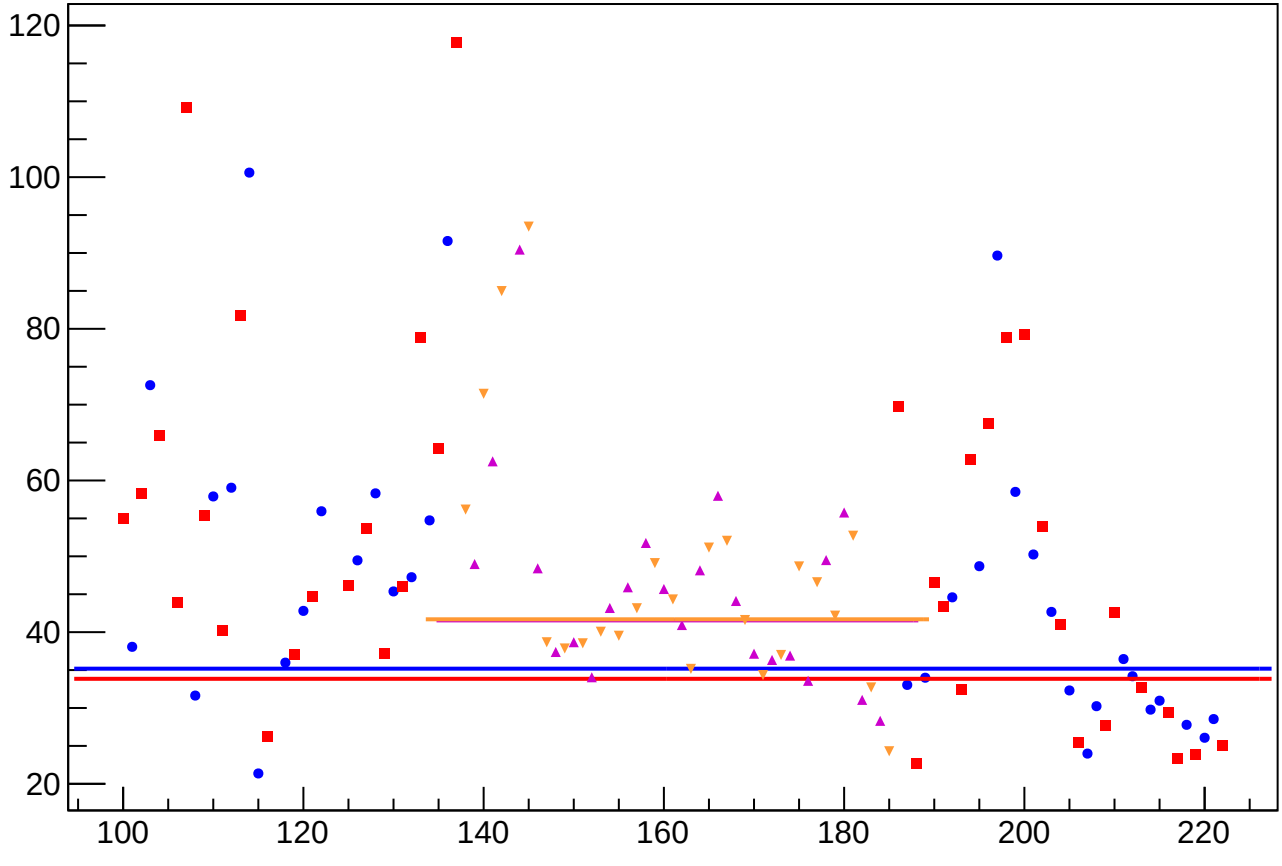
Right: -0.006+/-0.006 χ^2/NDF: 101.2/70

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.3/60

All: -0.008+/-0.005 χ^2/NDF: 145.4/117

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 33.847+/-0.006 χ^2/NDF: 5525291.0/36

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

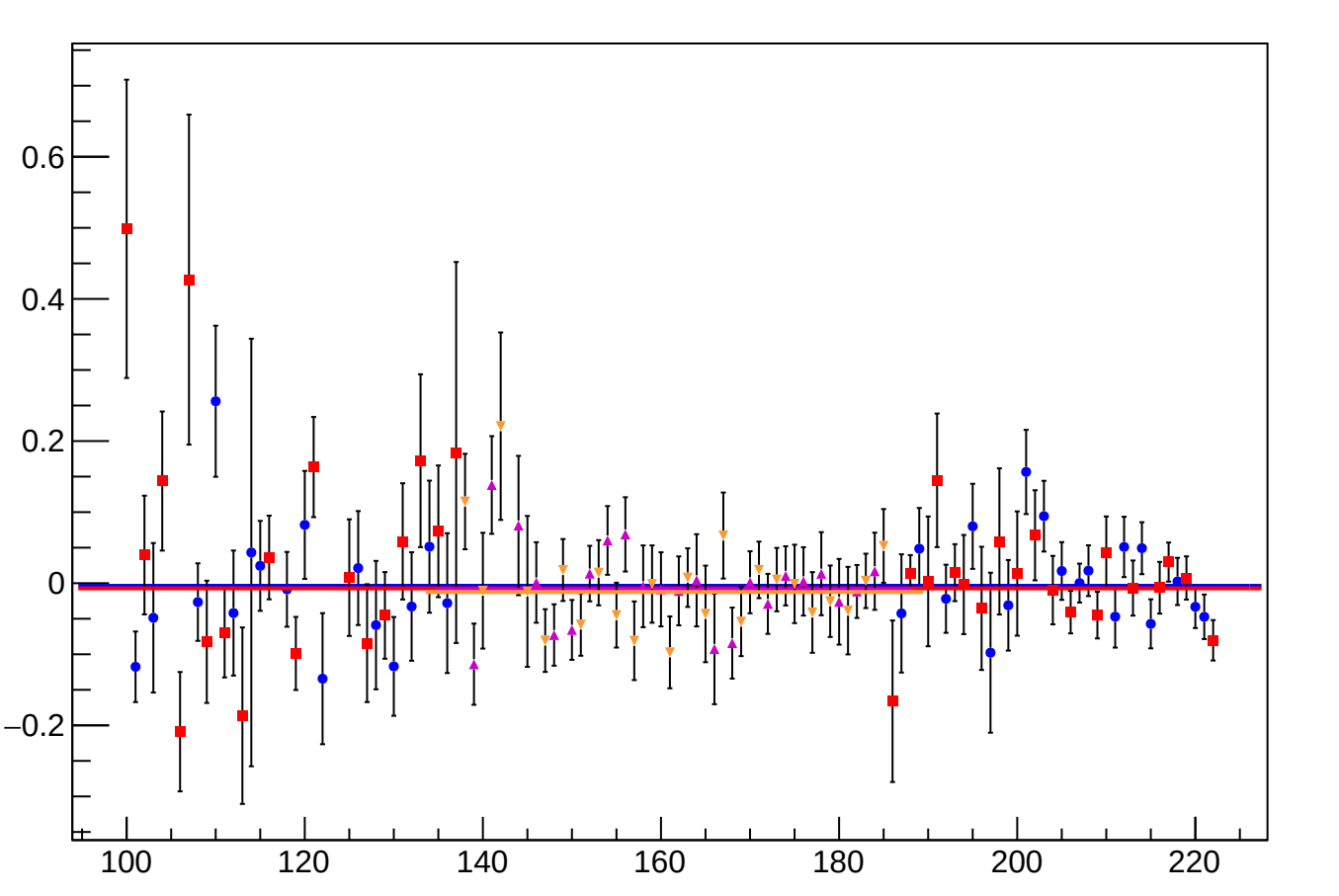
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 34.508+/-0.004 χ^2/NDF: 9327746.9/70

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

Out: 36.964+/-0.005 χ^2/NDF:8021410.3/60

All: 37.357+/-0.003 χ^2/NDF: 13866818.1/117



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: -0.007+/-0.009 χ^2/NDF: 56.2/36

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

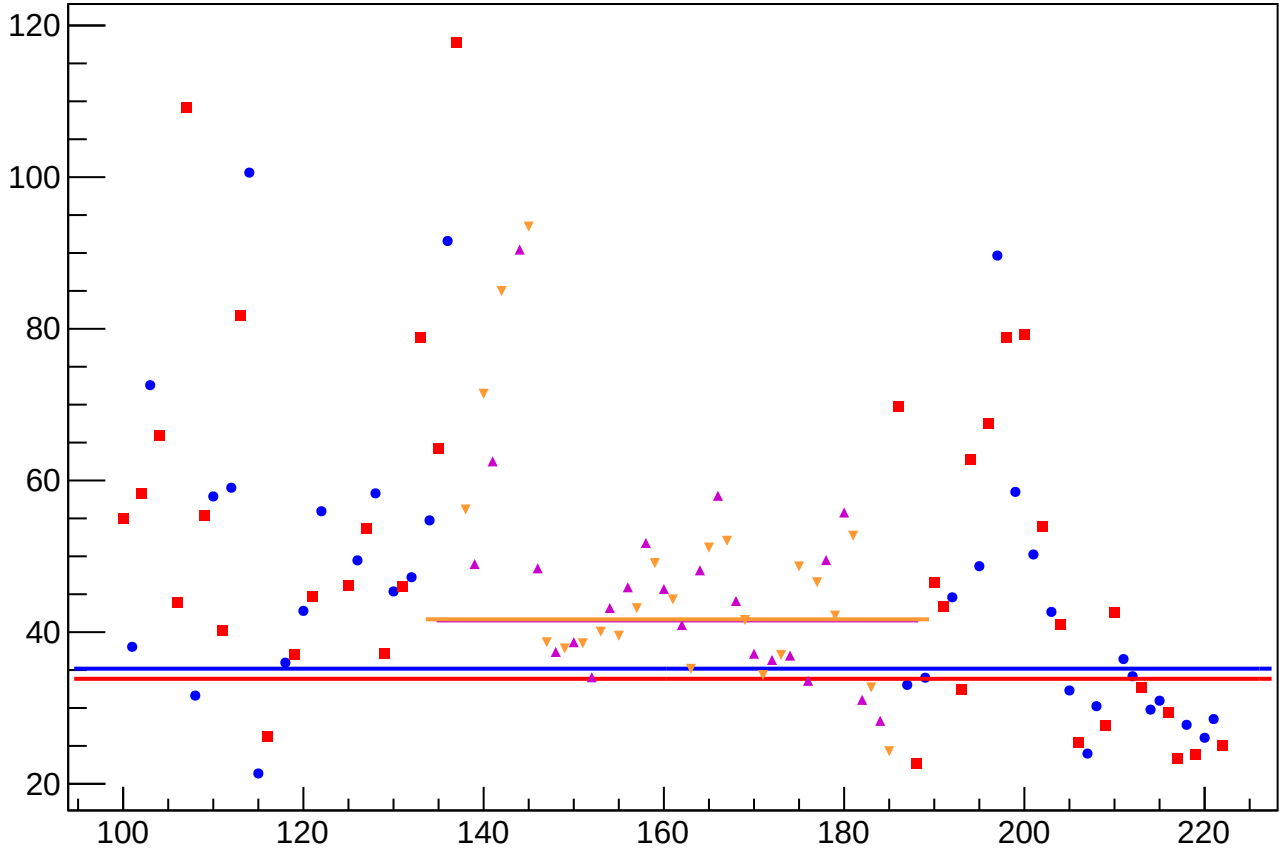
Right: -0.006+/-0.006 χ^2/NDF: 101.2/70

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.3/60

All: -0.008+/-0.005 χ^2/NDF: 145.4/117

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 33.847+/-0.006 χ^2/NDF: 5525291.0/36

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

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

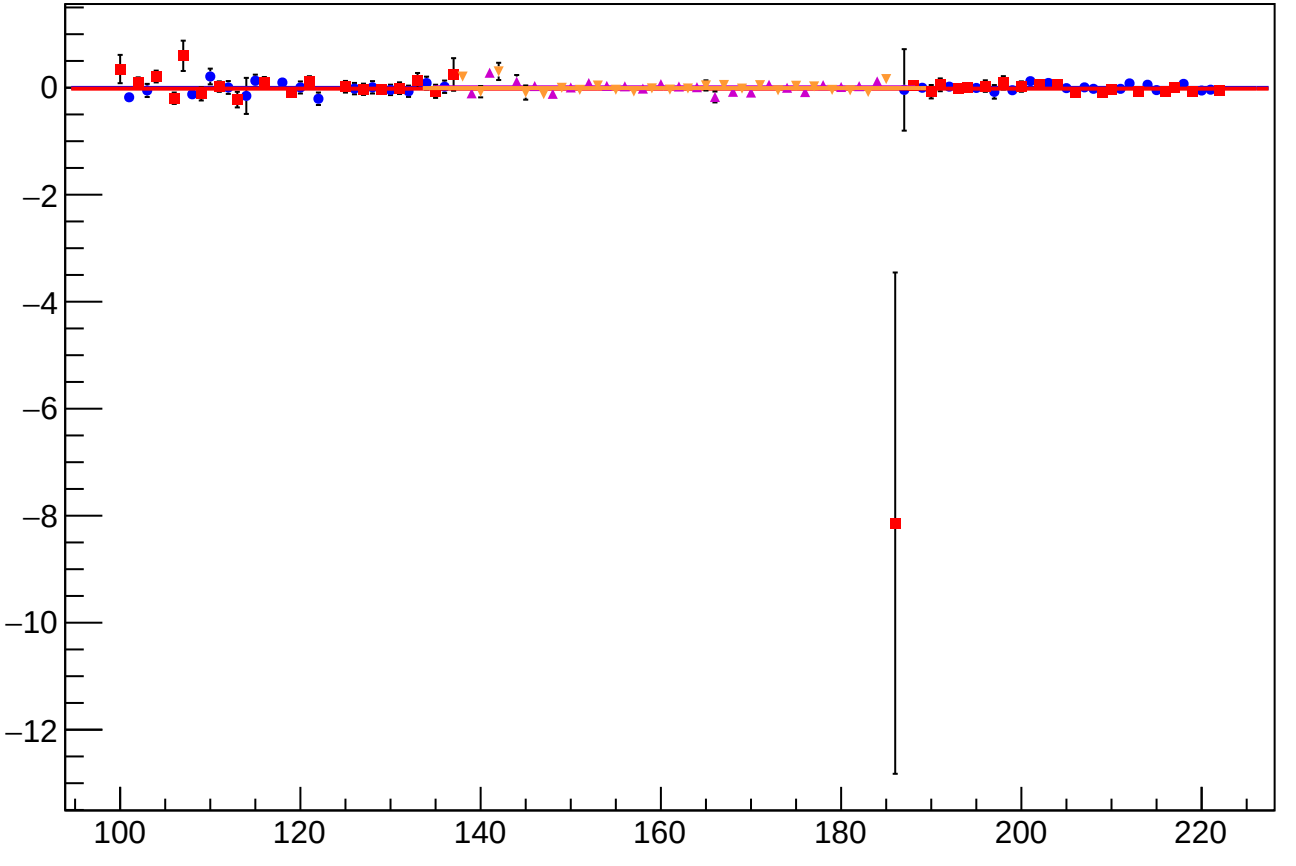
Right: 34.508+/-0.004 χ^2/NDF: 9327746.9/70

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

Out: 36.964+/-0.005 χ^2/NDF:8021410.3/60

All: 37.357+/-0.003 χ^2/NDF: 13866818.1/117

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.013 χ^2/NDF: 31.4/33

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.013 χ^2/NDF: 39.8/36

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

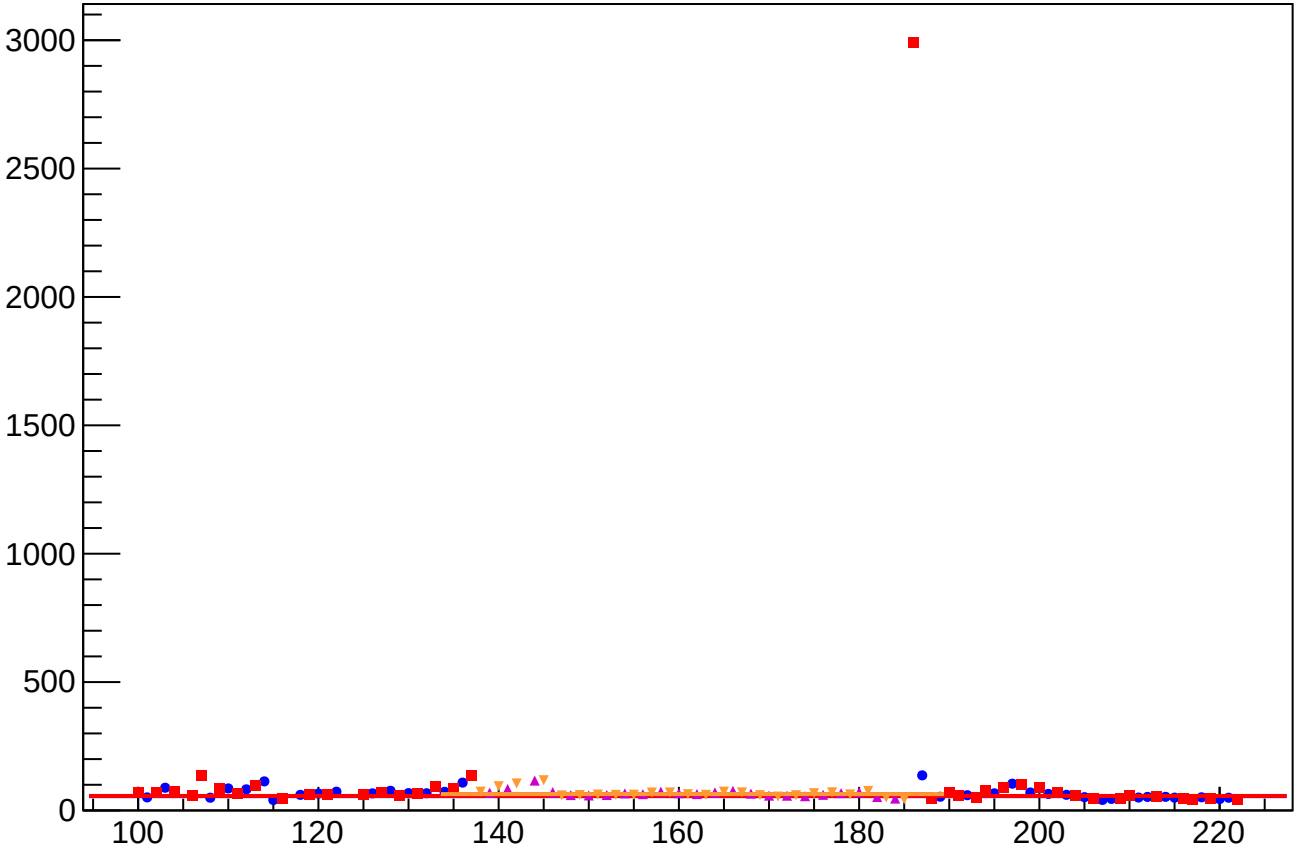
Right: -0.011+/-0.009 χ^2/NDF: 71.8/70

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.013+/-0.010 χ^2/NDF:63.7/60

All: -0.006+/-0.007 χ^2/NDF: 124.7/117

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.732+/-0.009 χ^2/NDF: 2084574.2/33

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 56.499+/-0.009 χ^2/NDF: 3352004.7/36

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

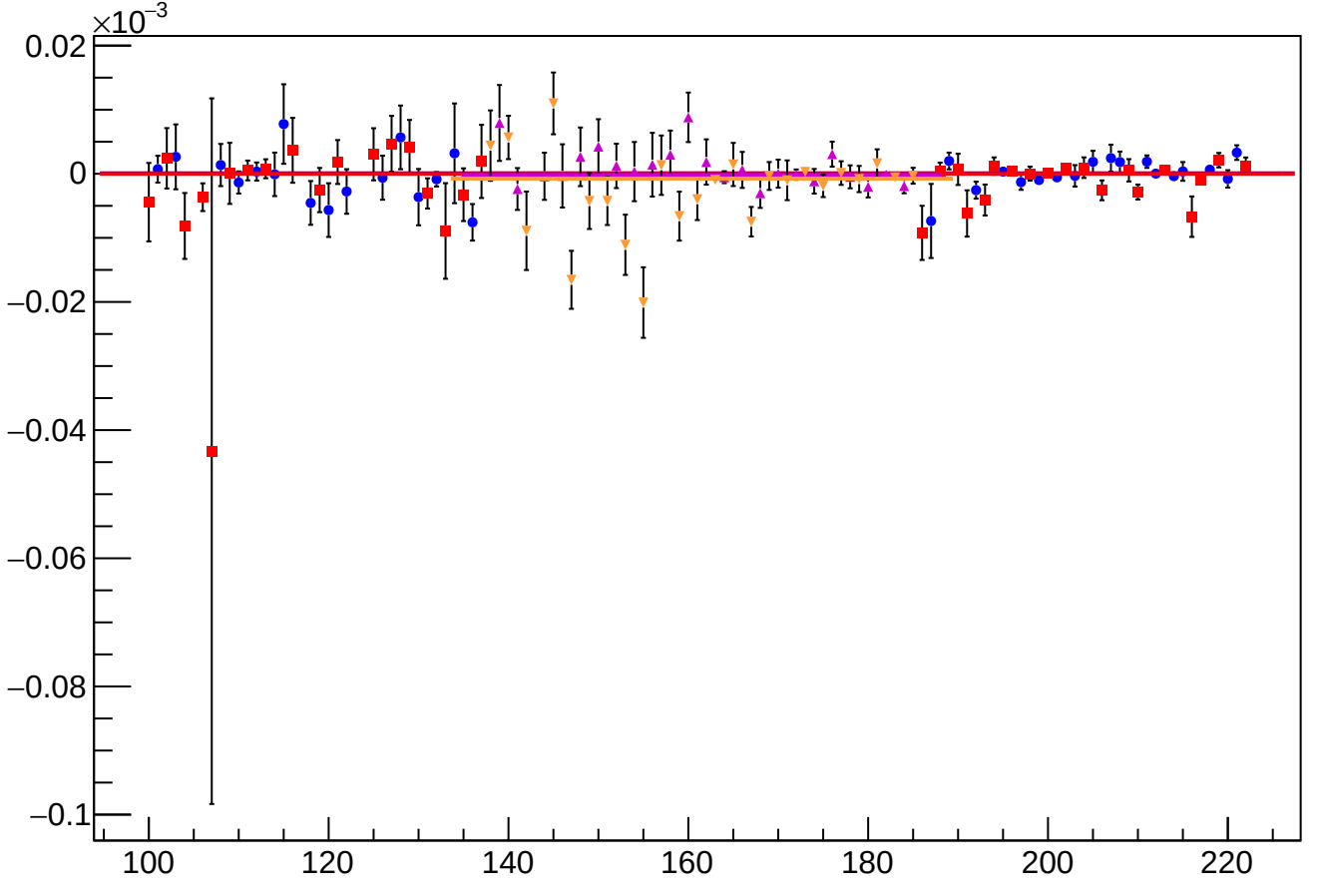
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 56.107+/-0.006 χ^2/NDF: 5440104.7/70

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

Out: 59.545+/-0.007 χ^2/NDF:4690472.9/60

All: 59.319+/-0.005 χ^2/NDF: 7957699.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 50.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

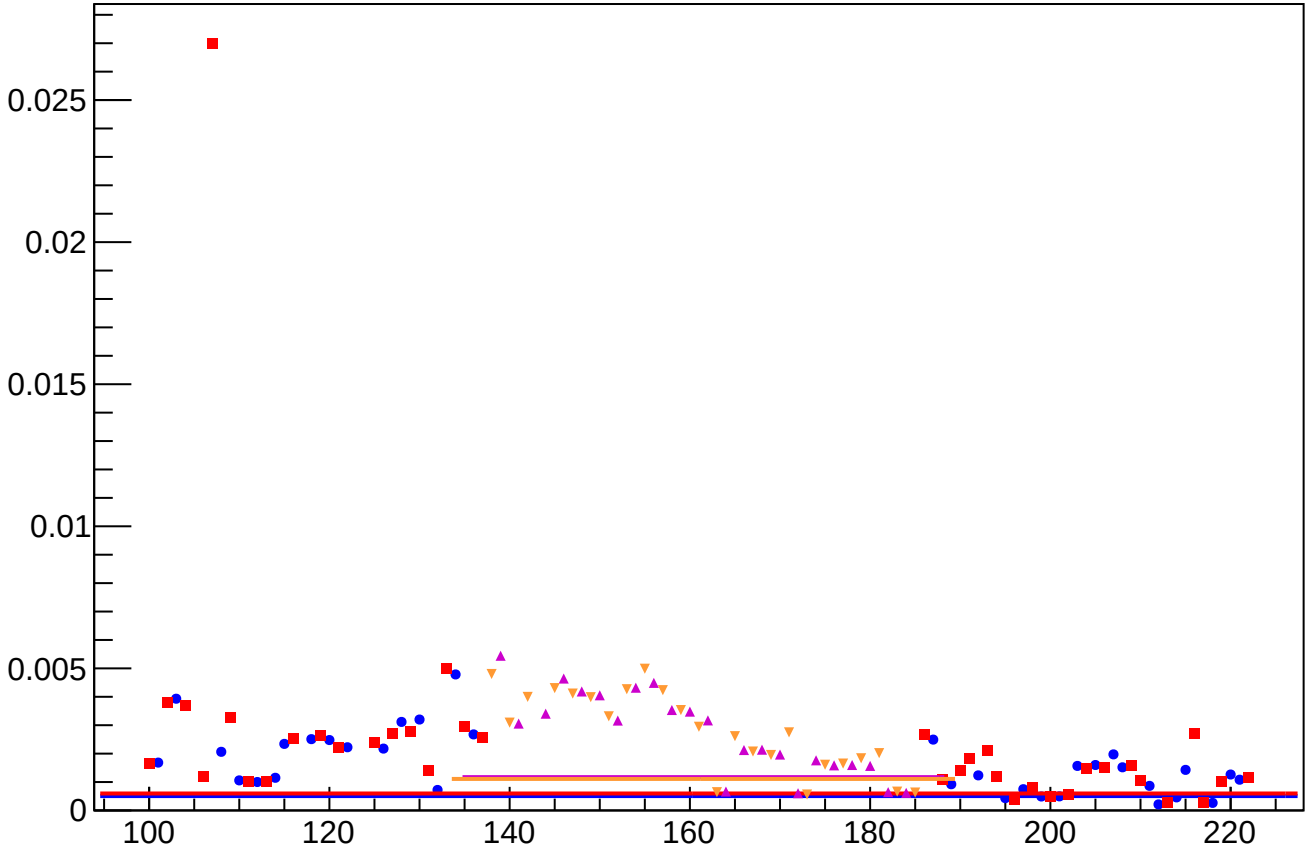
Right: 0.000+/-0.000 χ^2/NDF: 107.3/70

In: 0.000+/-0.000 χ^2/NDF:70.4/56

Out: -0.000+/-0.000 χ^2/NDF:119.9/60

All: -0.000+/-0.000 χ^2/NDF: 191.2/117

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 17555963.7/36

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

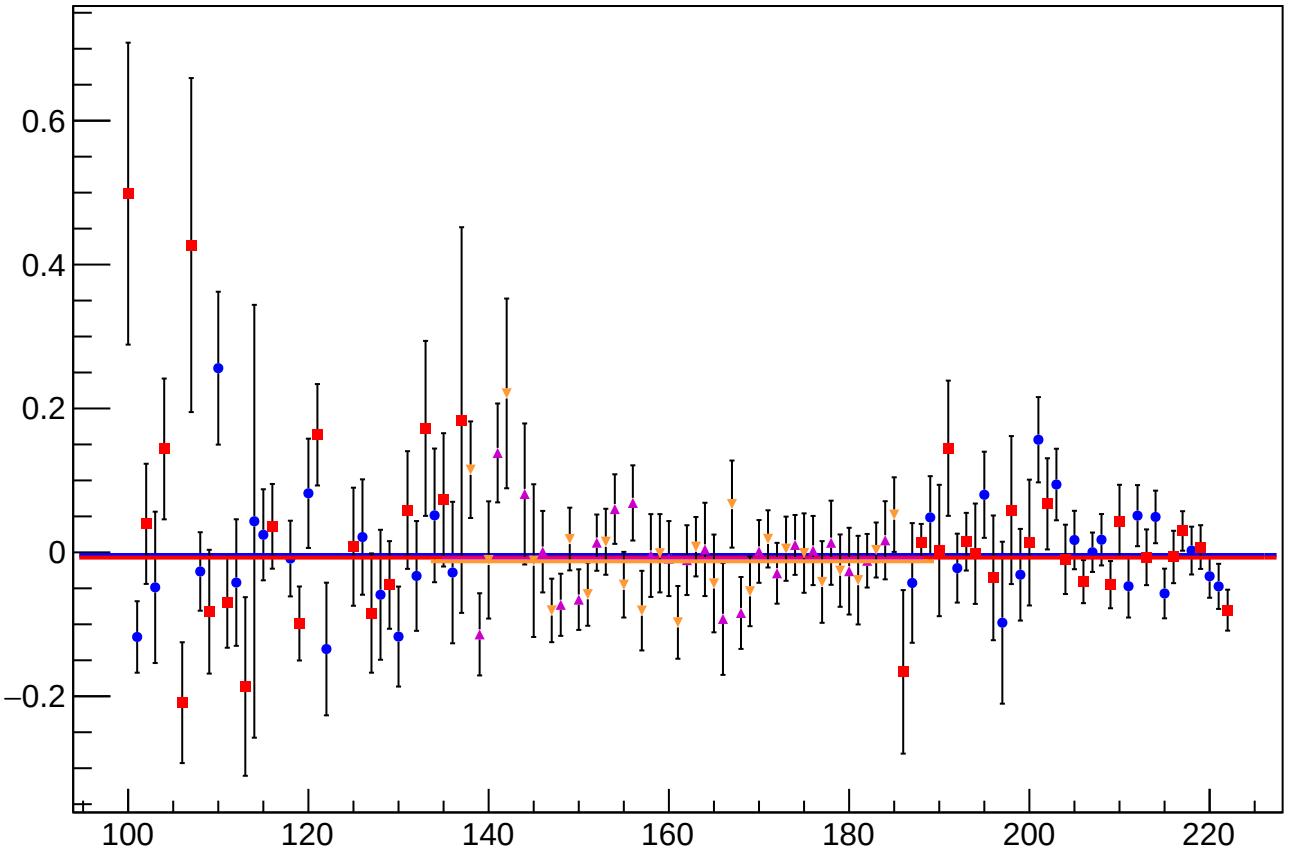
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 35711532.1/70

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

Out: 0.001+/-0.000 χ^2/NDF:36246373.5/60

All: 0.001+/-0.000 χ^2/NDF: 74680303.9/117



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: -0.007+/-0.009 χ^2/NDF: 56.2/36

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

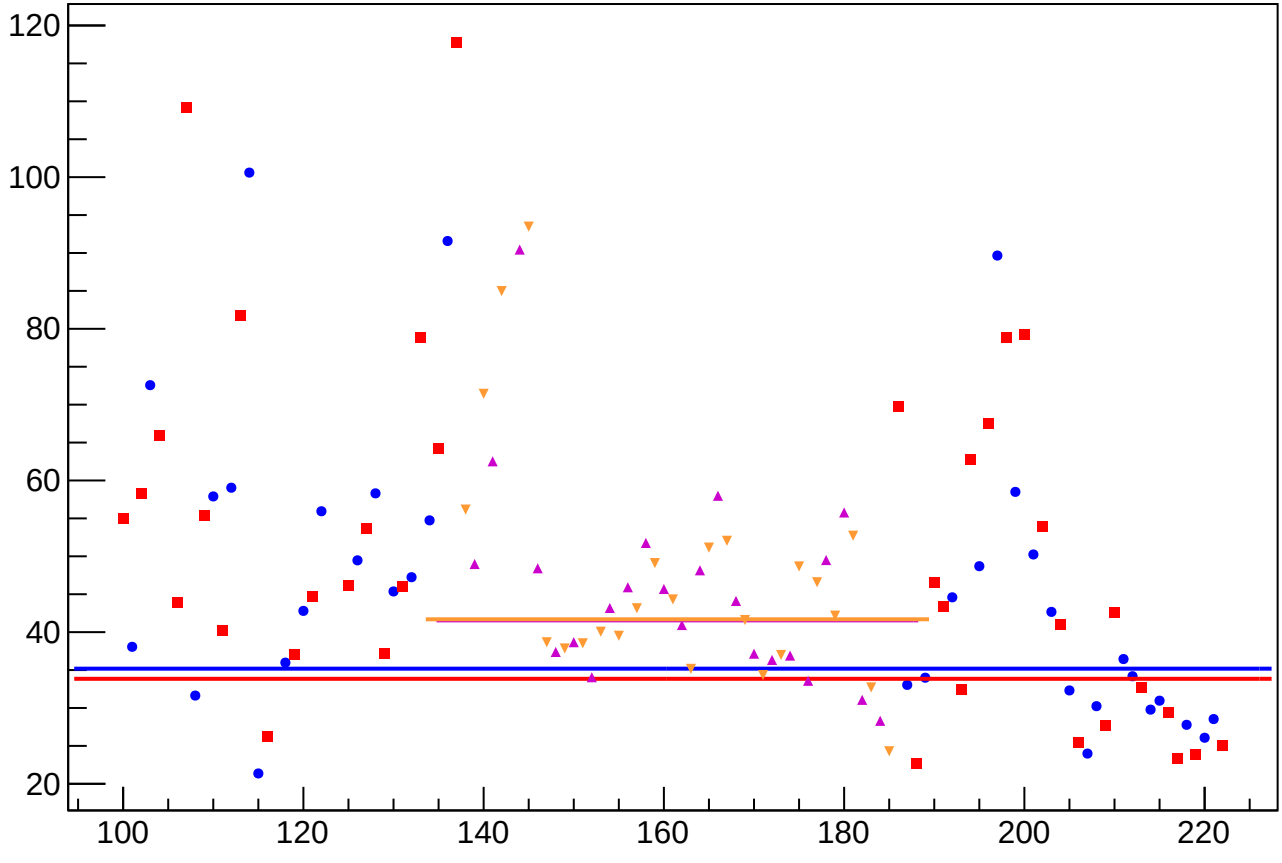
Right: -0.006+/-0.006 χ^2/NDF: 101.2/70

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.3/60

All: -0.008+/-0.005 χ^2/NDF: 145.4/117

asym_usl_eigen_dit_vs_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: 33.847+/-0.006 χ^2/NDF: 5525120.3/36

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

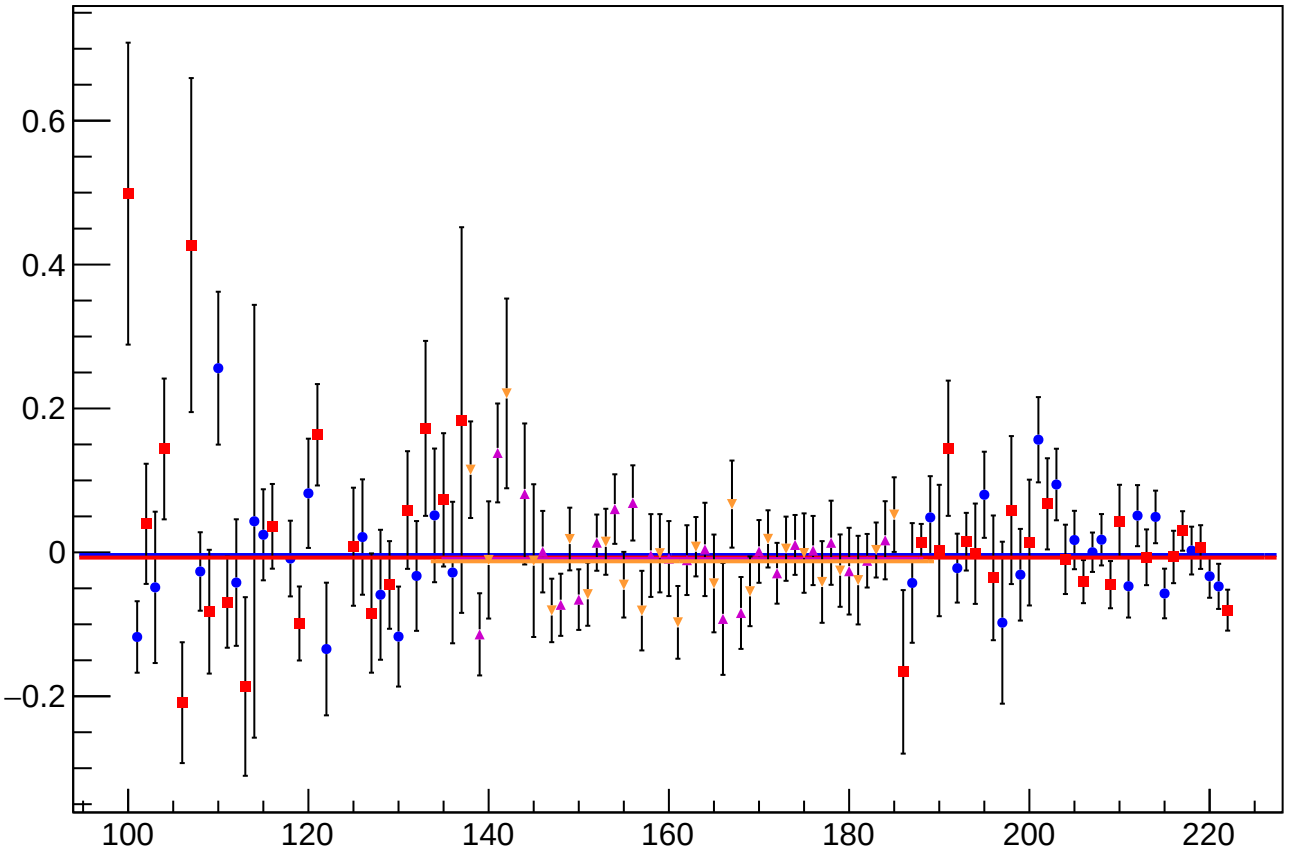
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 34.508+/-0.004 χ^2/NDF: 9327537.9/70

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

Out: 36.964+/-0.005 χ^2/NDF:8021204.3/60

All: 37.357+/-0.003 χ^2/NDF: 13866596.8/117



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: -0.007+/-0.009 χ^2/NDF: 56.2/36

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

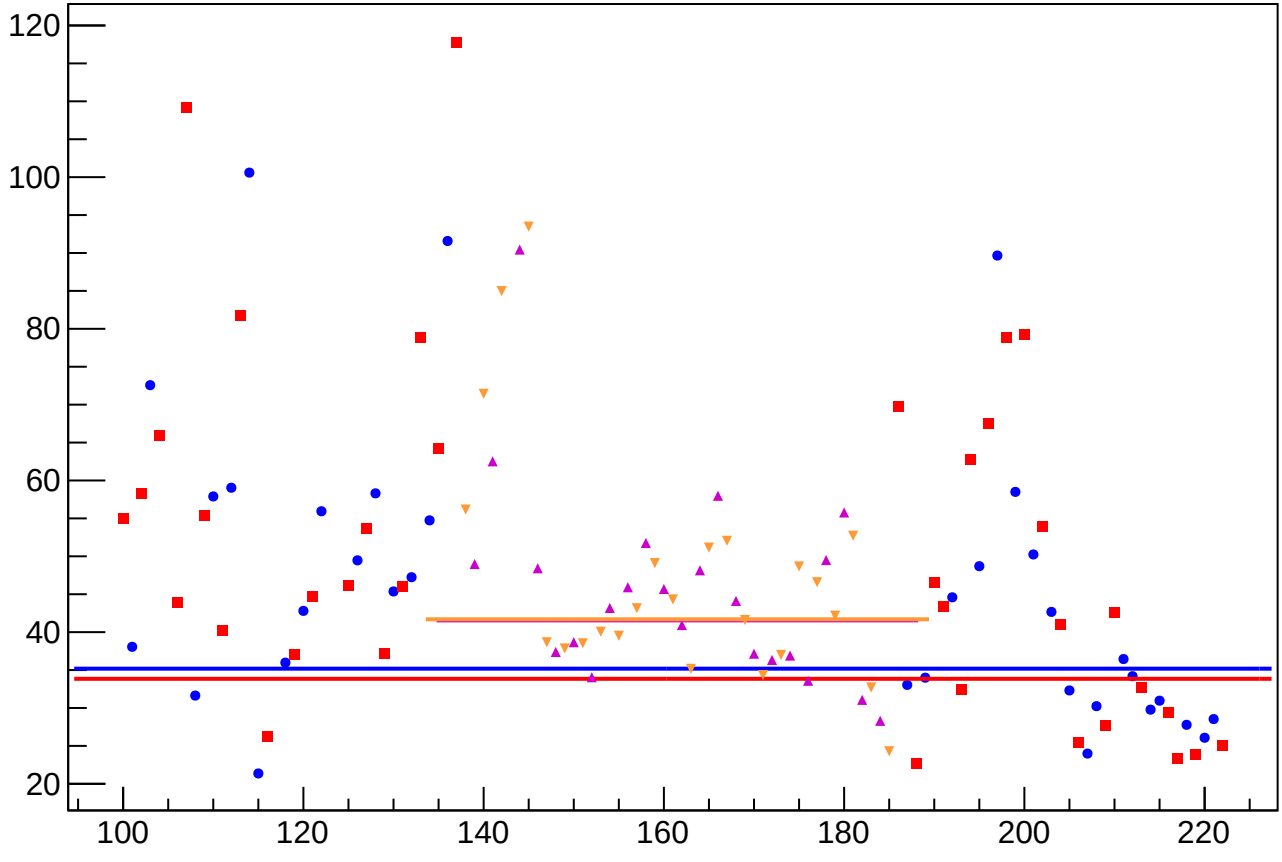
Right: -0.006+/-0.006 χ^2/NDF: 101.2/70

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.3/60

All: -0.008+/-0.005 χ^2/NDF: 145.4/117

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: 33.847+/-0.006 χ^2/NDF: 5525120.3/36

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

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

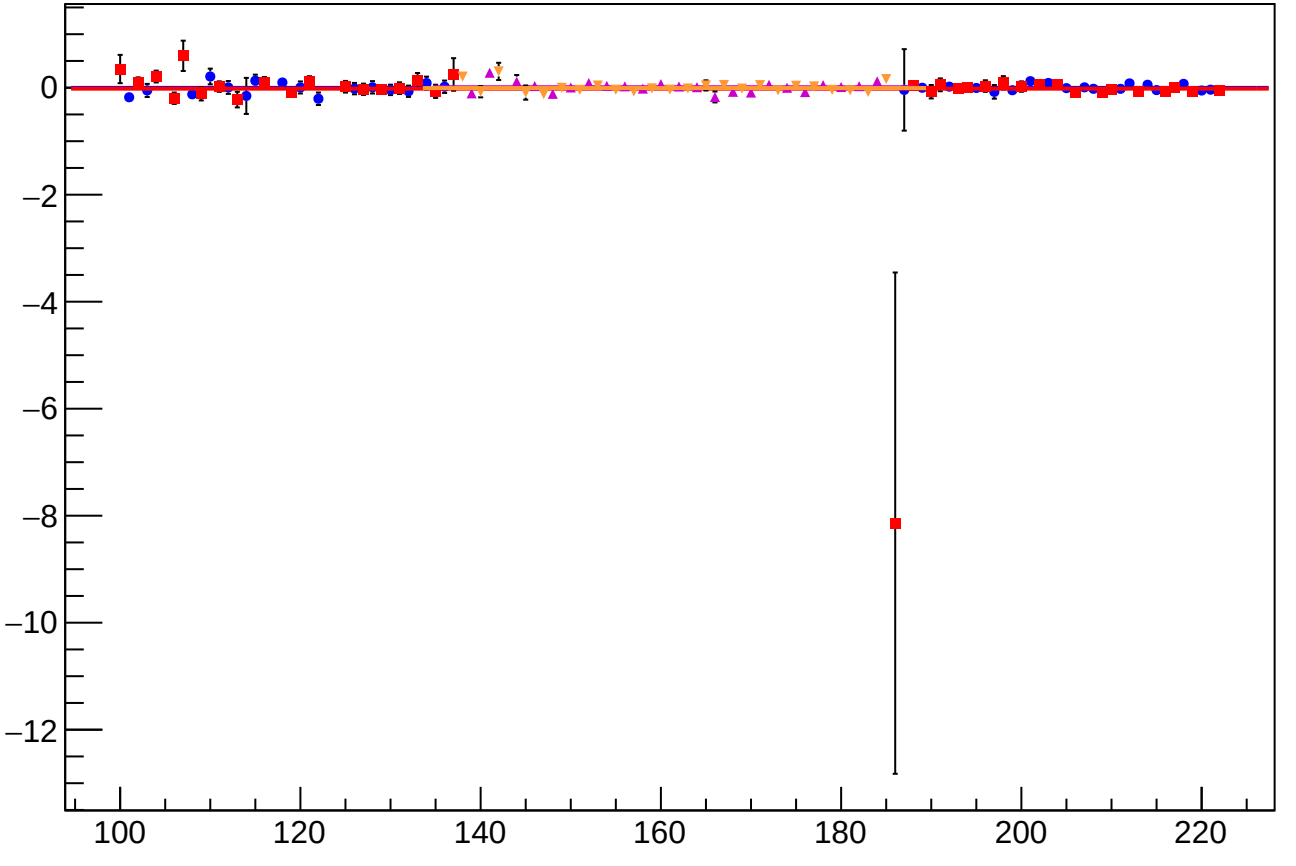
Right: 34.508+/-0.004 χ^2/NDF: 9327537.9/70

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

Out: 36.964+/-0.005 χ^2/NDF:8021204.3/60

All: 37.357+/-0.003 χ^2/NDF: 13866596.8/117

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: -0.018+/-0.013 χ^2/NDF: 39.8/36

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

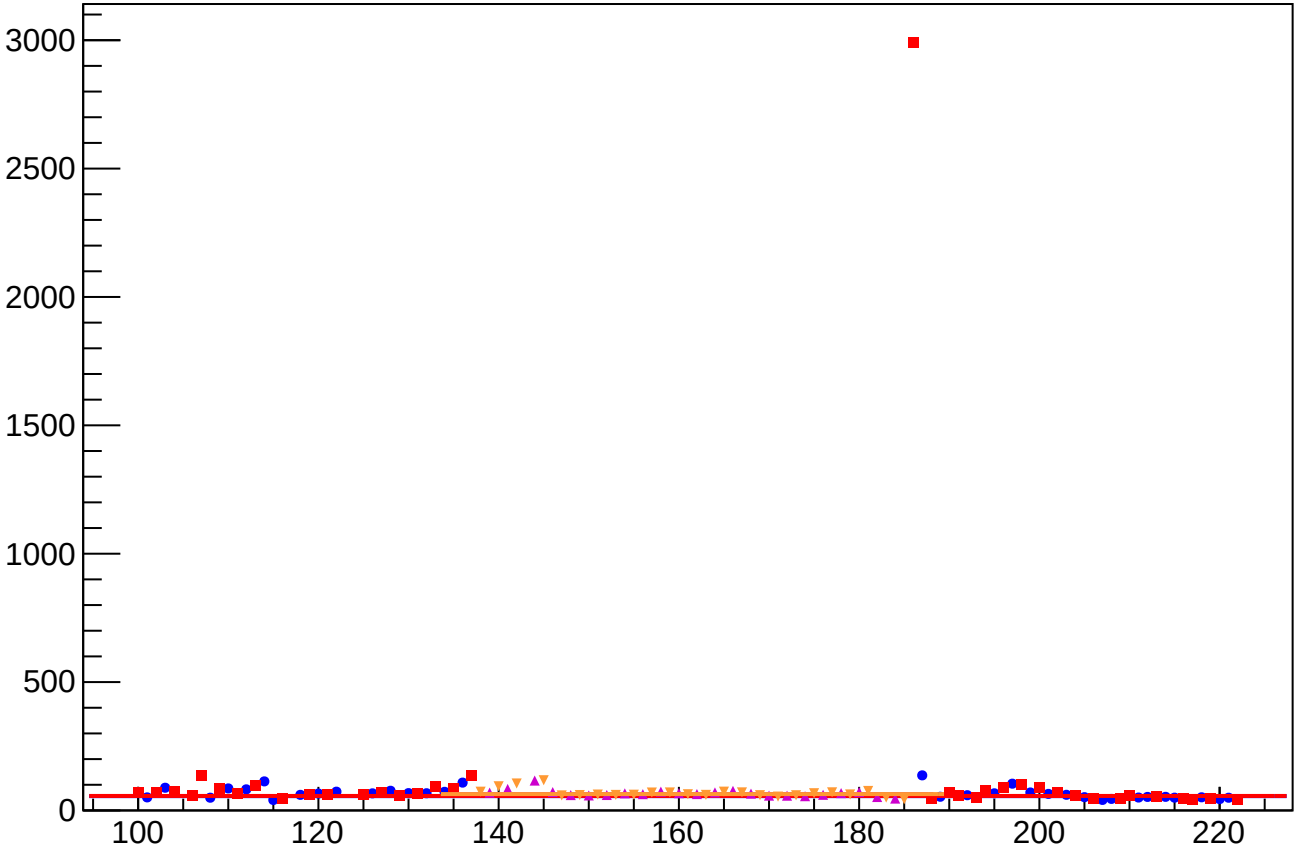
Right: -0.011+/-0.009 χ^2/NDF: 71.8/70

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.013+/-0.010 χ^2/NDF:63.7/60

All: -0.006+/-0.007 χ^2/NDF: 124.7/117

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.732+/-0.009 χ^2/NDF: 2084564.9/33

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 56.499+/-0.009 χ^2/NDF: 3351976.2/36

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

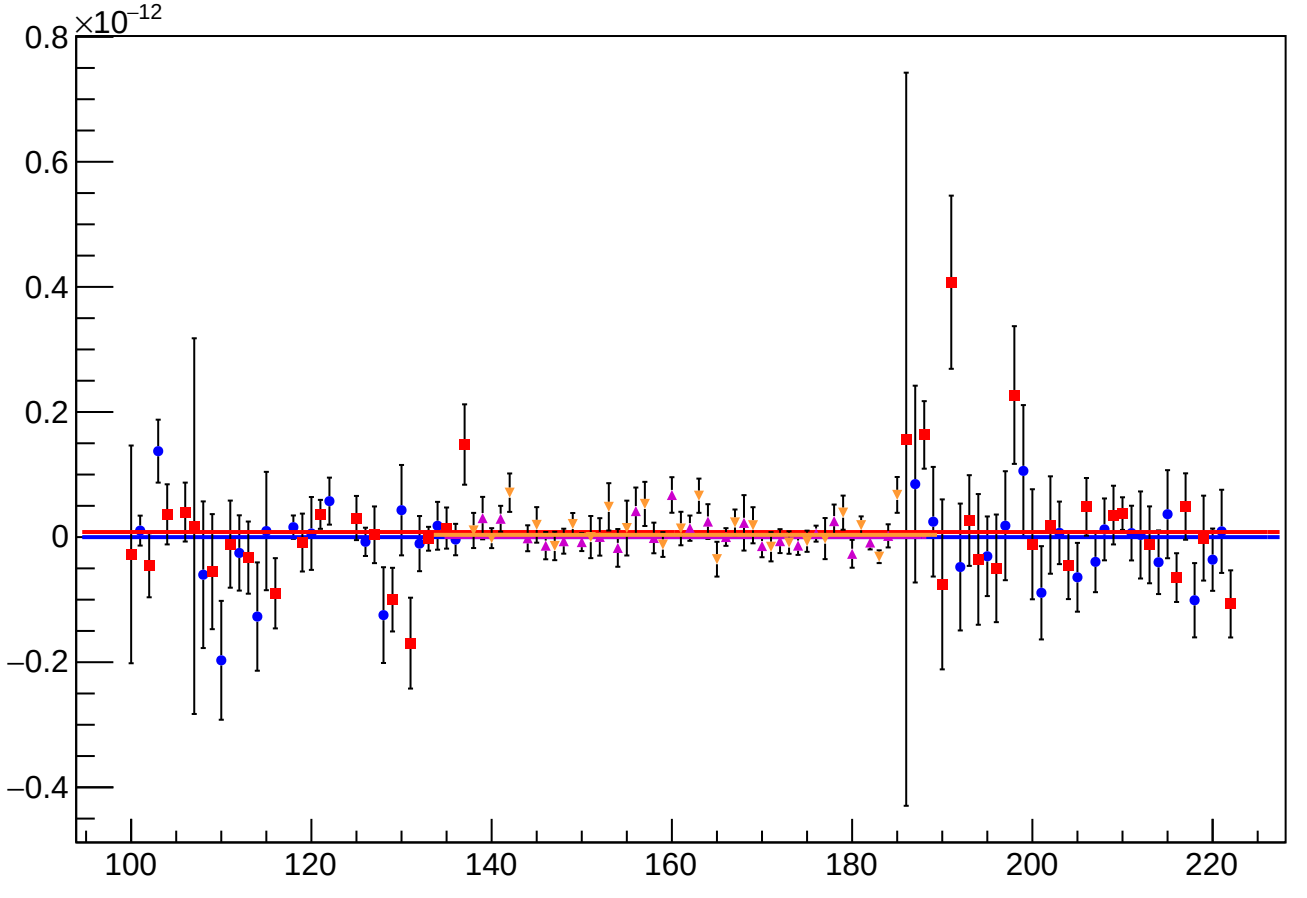
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 56.107+/-0.006 χ^2/NDF: 5440066.4/70

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

Out: 59.545+/-0.007 χ^2/NDF:4690451.6/60

All: 59.319+/-0.005 χ^2/NDF: 7957686.2/117



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: 57.6/36

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

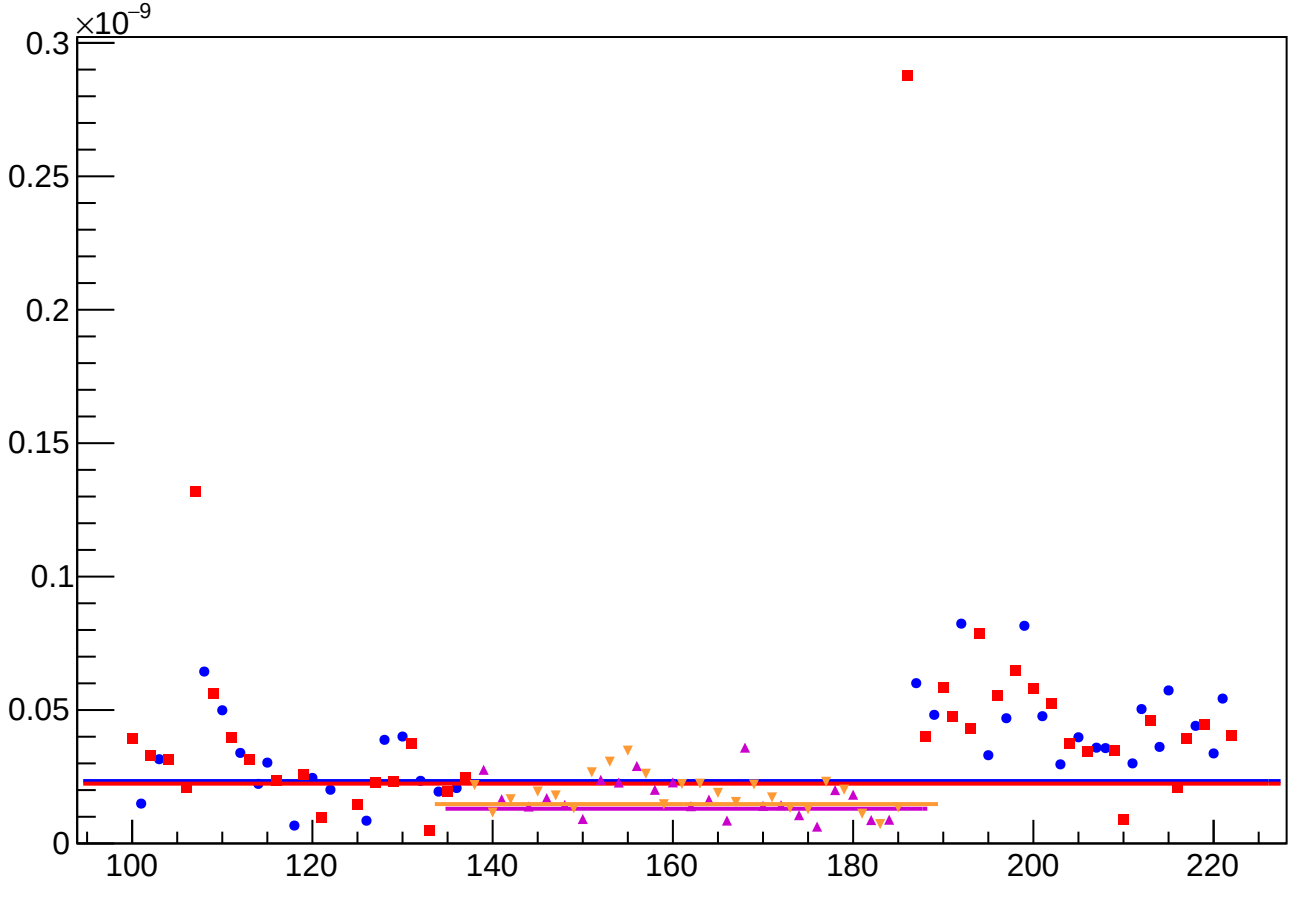
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 88.9/70

In: 0.000+/-0.000 χ^2/NDF:47.9/56

Out: 0.000+/-0.000 χ^2/NDF:98.4/60

All: 0.000+/-0.000 χ^2/NDF: 147.1/117



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: 8076858.8/36

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

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

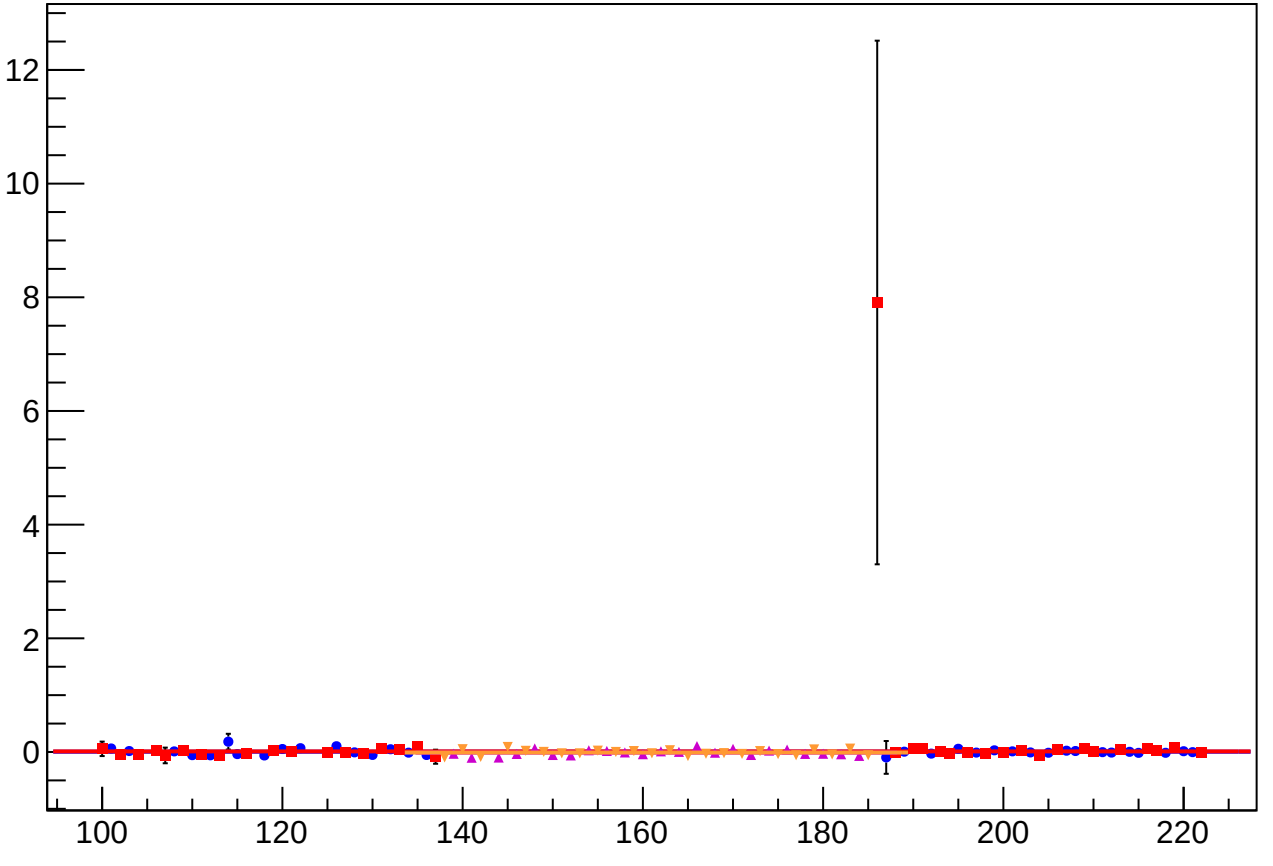
Right: 0.000+/-0.000 χ^2/NDF: 15699365.4/70

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

Out: 0.000+/-0.000 χ^2/NDF:13058714.9/60

All: 0.000+/-0.000 χ^2/NDF: 27519615.7/117

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: 0.010+/-0.007 χ^2/NDF: 37.1/36

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

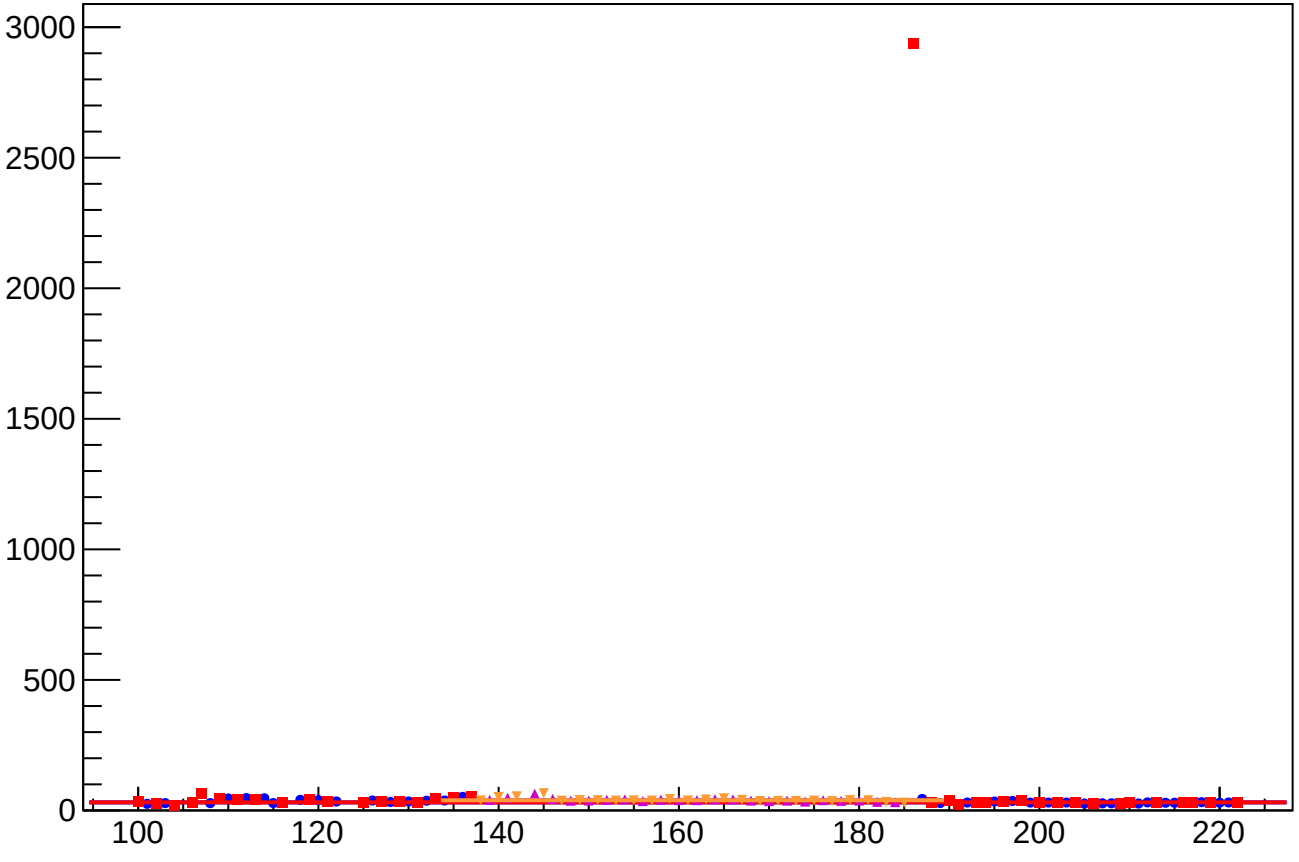
Right: 0.008+/-0.005 χ^2/NDF: 58.3/70

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.003+/-0.006 χ^2/NDF:59.4/60

All: 0.001+/-0.004 χ^2/NDF: 105.7/117

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: 31.004+/-0.005 χ^2/NDF: 2021154.3/36

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

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

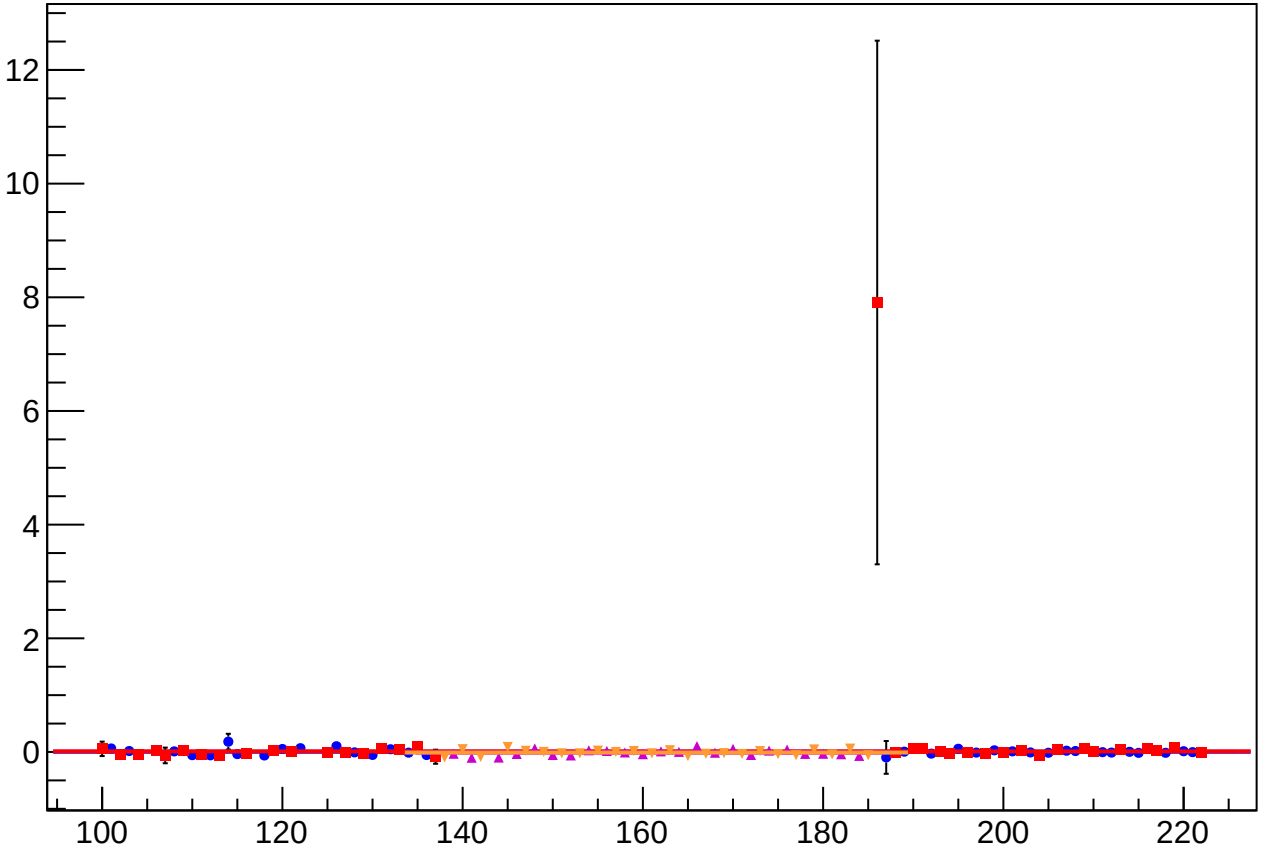
Right: 30.936+/-0.004 χ^2/NDF: 2997243.2/70

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

Out: 33.843+/-0.004 χ^2/NDF:3558333.3/60

All: 33.803+/-0.003 χ^2/NDF: 6040904.2/117

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: 0.010+/-0.007 χ^2/NDF: 37.1/36

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

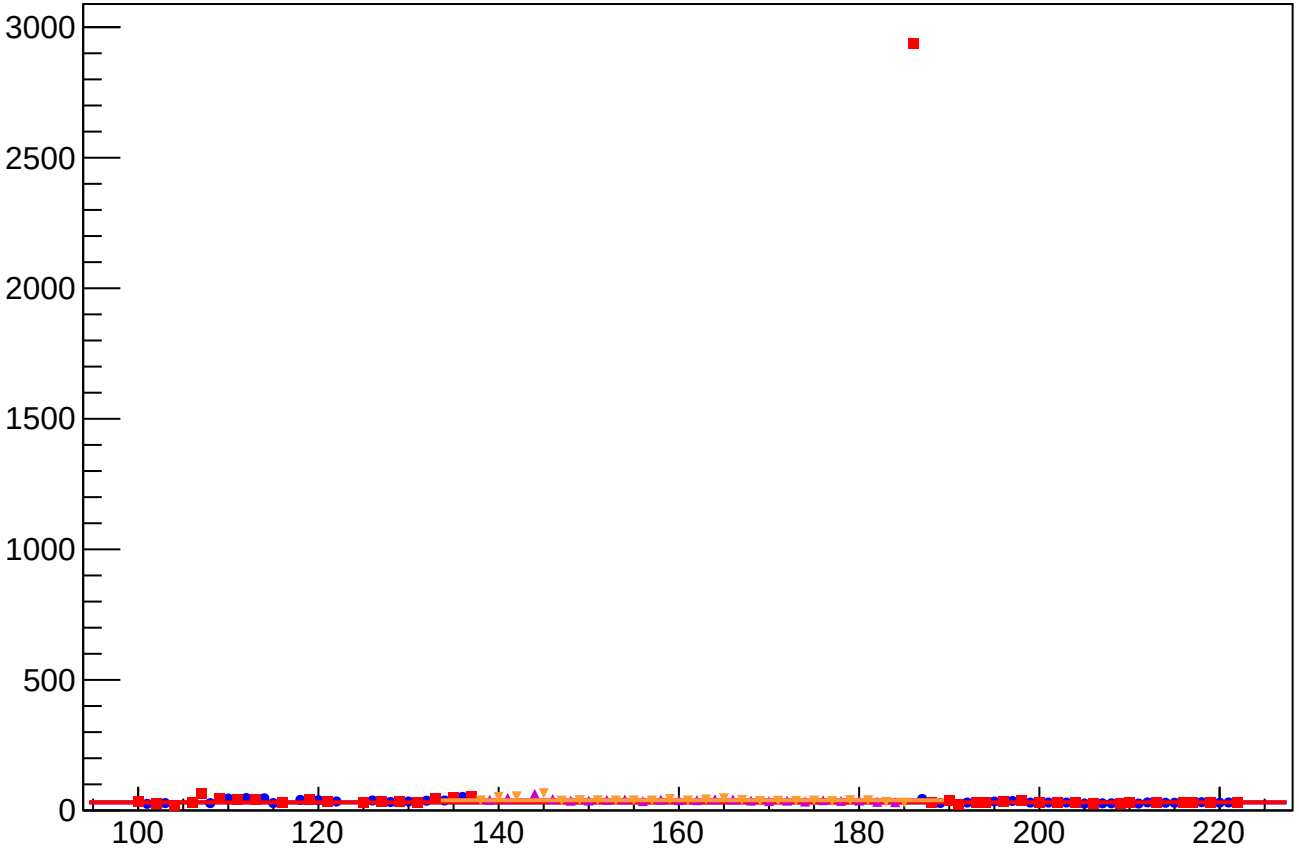
Right: 0.008+/-0.005 χ^2/NDF: 58.3/70

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.003+/-0.006 χ^2/NDF:59.4/60

All: 0.001+/-0.004 χ^2/NDF: 105.7/117

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: 31.004+/-0.005 χ^2/NDF: 2021154.3/36

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

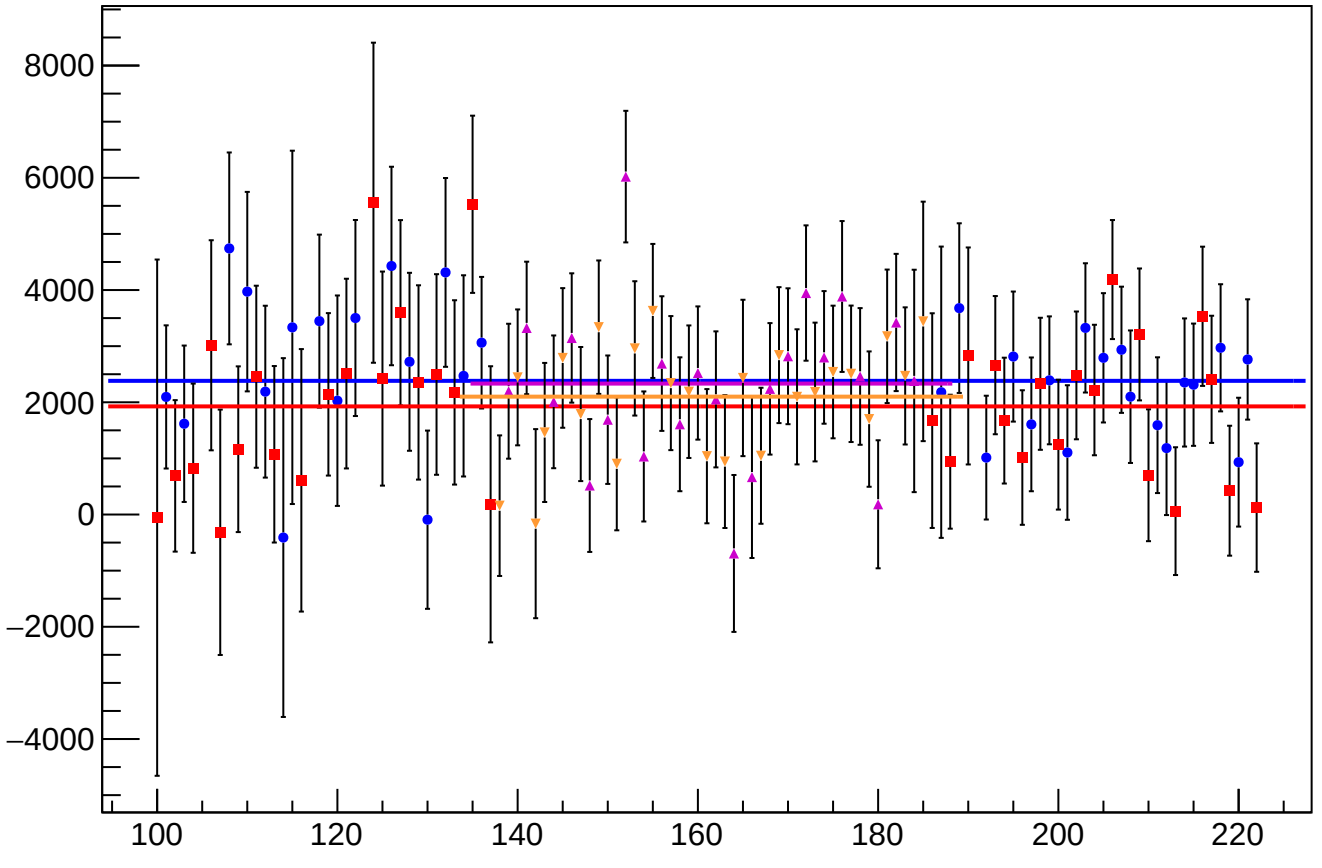
Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

Right: 30.936+/-0.004 χ^2/NDF: 2997243.2/70

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

Out: 33.843+/-0.004 χ^2/NDF:3558333.3/60

All: 33.803+/-0.003 χ^2/NDF: 6040904.2/117



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: 1926.755+/-232.145 χ^2/NDF: 30.9/36

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

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

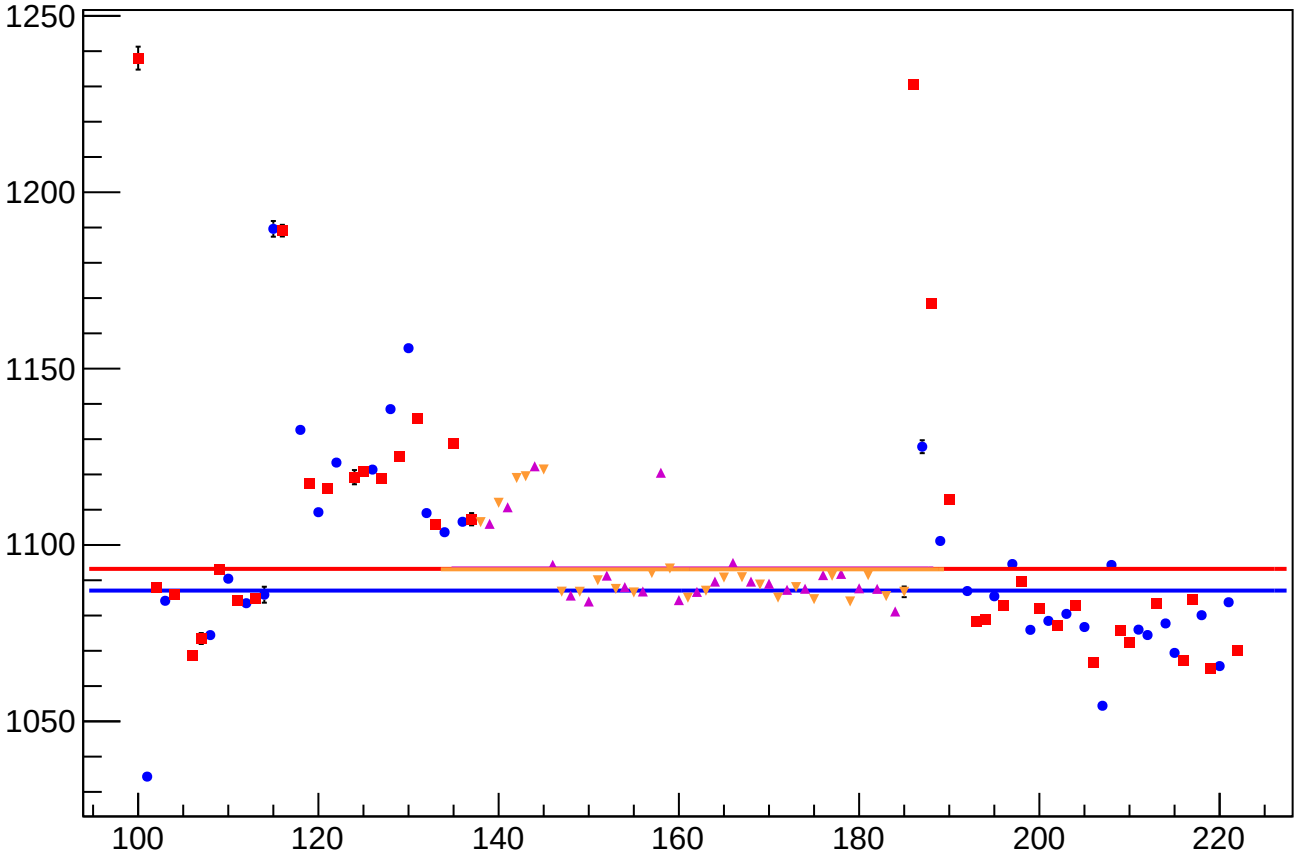
Right: 2155.251+/-163.842 χ^2/NDF: 51.6/70

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

Out: 2007.742+/-169.577 χ^2/NDF:45.0/61

All: 2181.947+/-120.547 χ^2/NDF: 95.4/118

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: 1093.227+/-0.164 χ^2/NDF: 36529.6/36

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

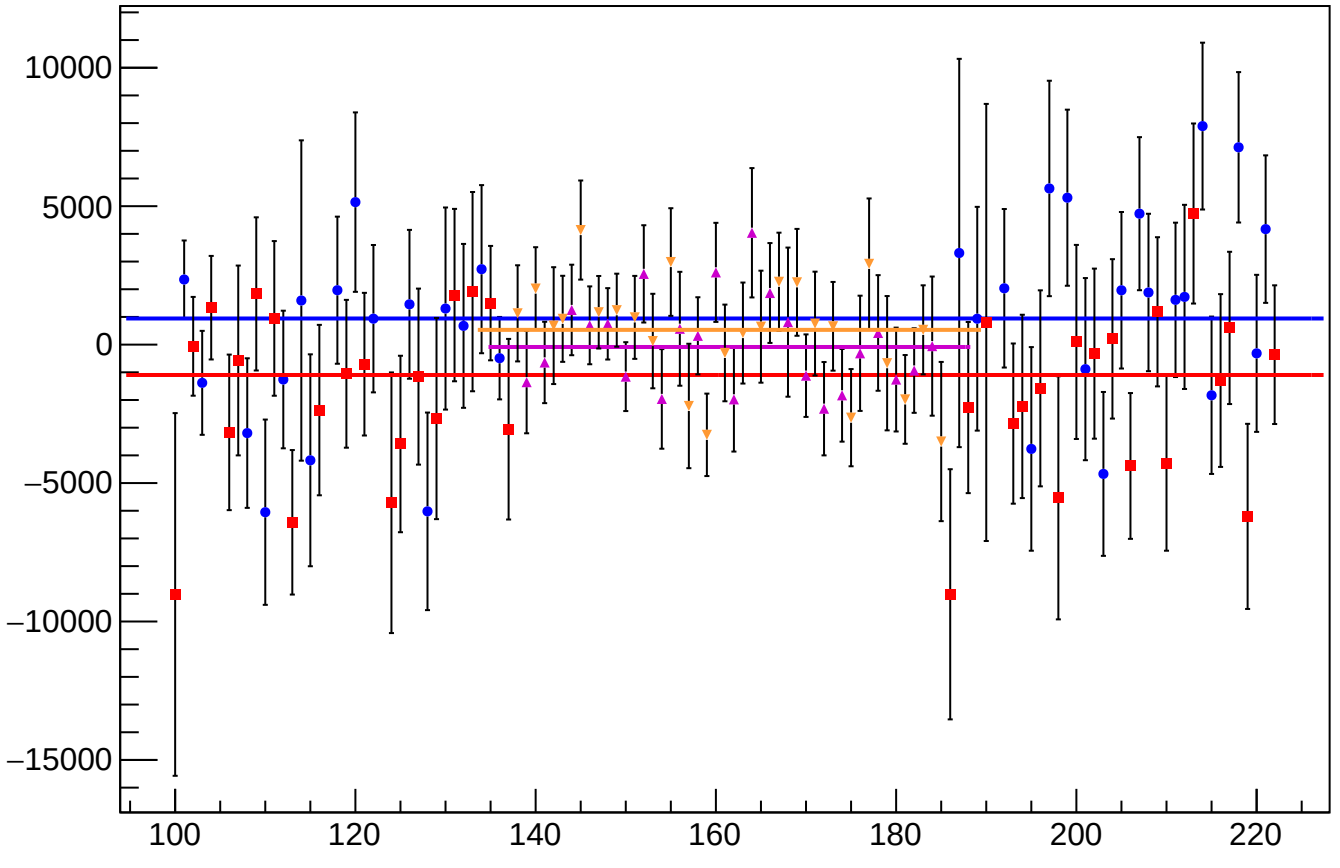
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.139+/-0.116 χ^2/NDF: 58348.0/70

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

Out: 1093.169+/-0.120 χ^2/NDF:40513.0/61

All: 1091.551+/-0.085 χ^2/NDF: 66381.5/118



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: -1096.581+/-485.347 χ^2/NDF: 29.8/36

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

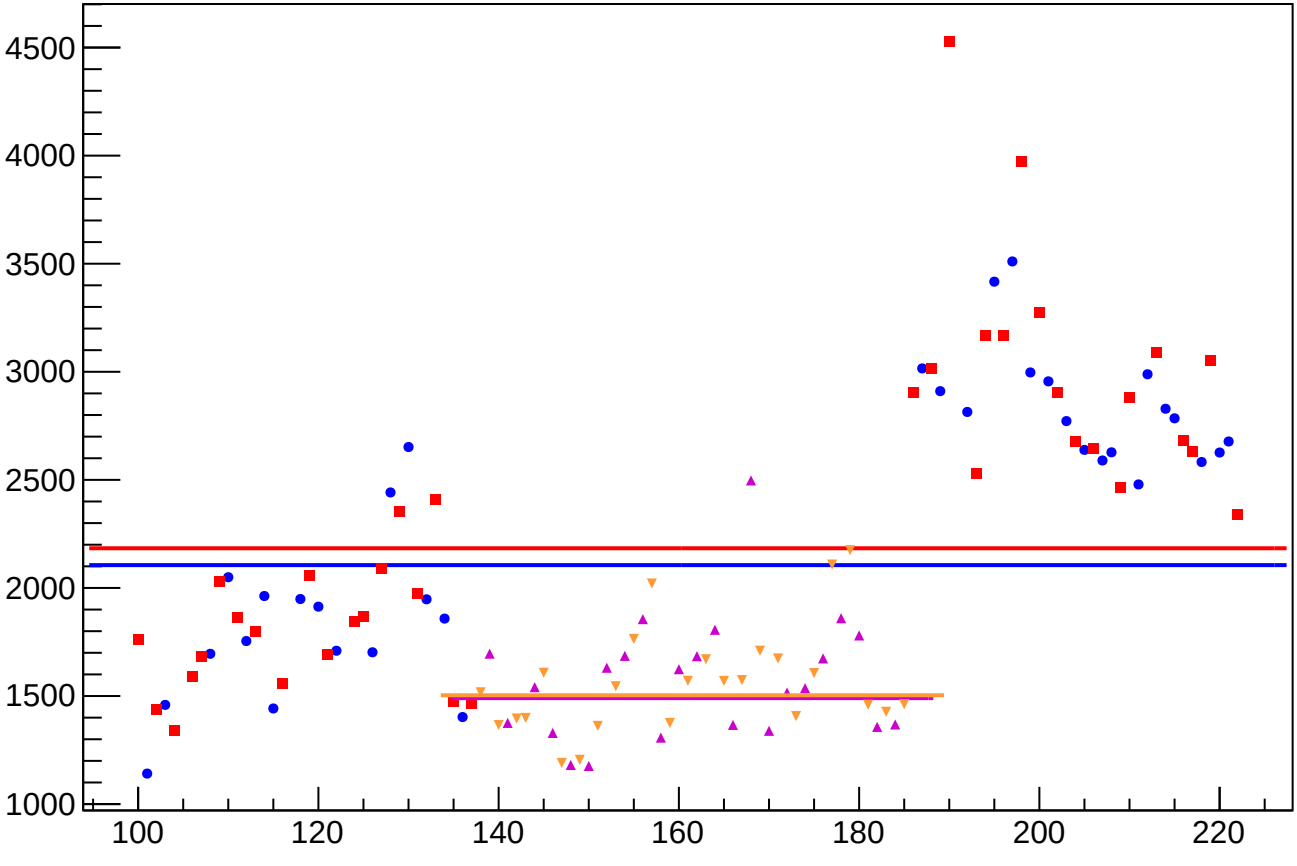
Right: -46.616+/-338.149 χ^2/NDF: 82.2/70

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -18.694+/-282.396 χ^2/NDF:63.7/61

All: 133.155+/-199.909 χ^2/NDF: 128.7/118

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2183.547+/-0.343 χ^2/NDF: 3529079.5/36

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

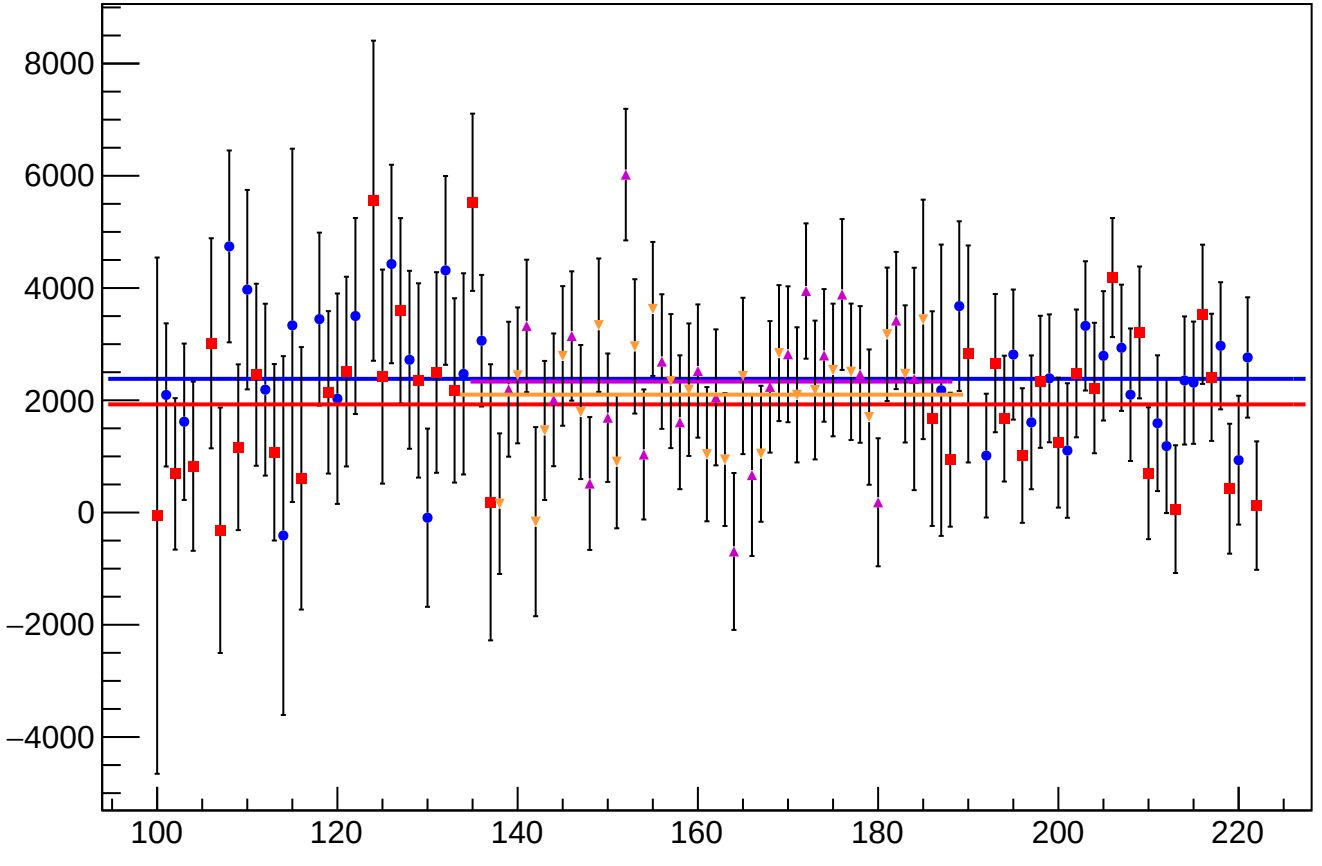
Right: 2143.428+/-0.239 χ^2/NDF: 7478230.2/70

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

Out: 1733.683+/-0.200 χ^2/NDF:6926431.0/61

All: 1722.929+/-0.141 χ^2/NDF: 14001959.8/1

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: 1926.755+/-232.145 χ^2/NDF: 30.9/36

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

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

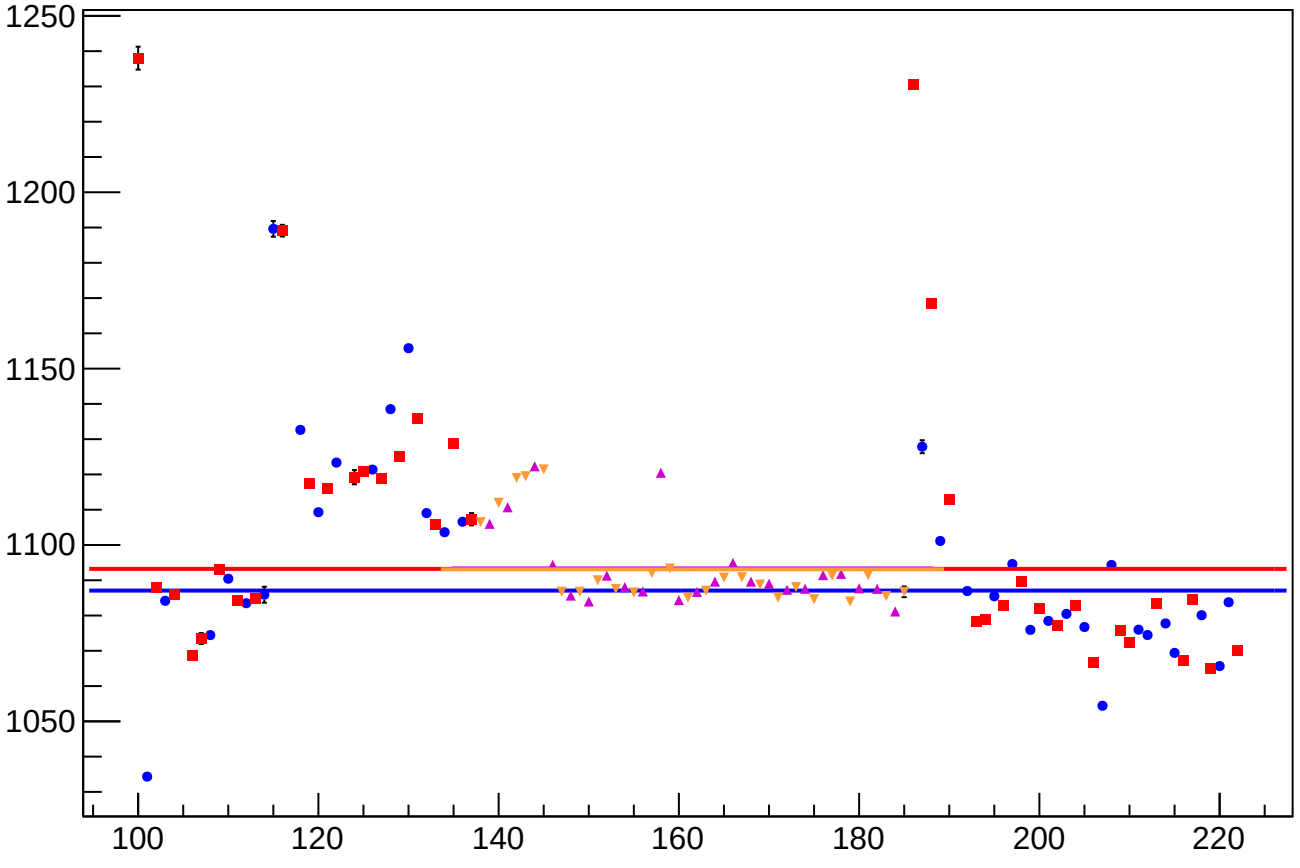
Right: 2155.251+/-163.842 χ^2/NDF: 51.6/70

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

Out: 2007.742+/-169.577 χ^2/NDF:45.0/61

All: 2181.947+/-120.547 χ^2/NDF: 95.4/118

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: 1093.227+/-0.164 χ^2/NDF: 36529.6/36

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

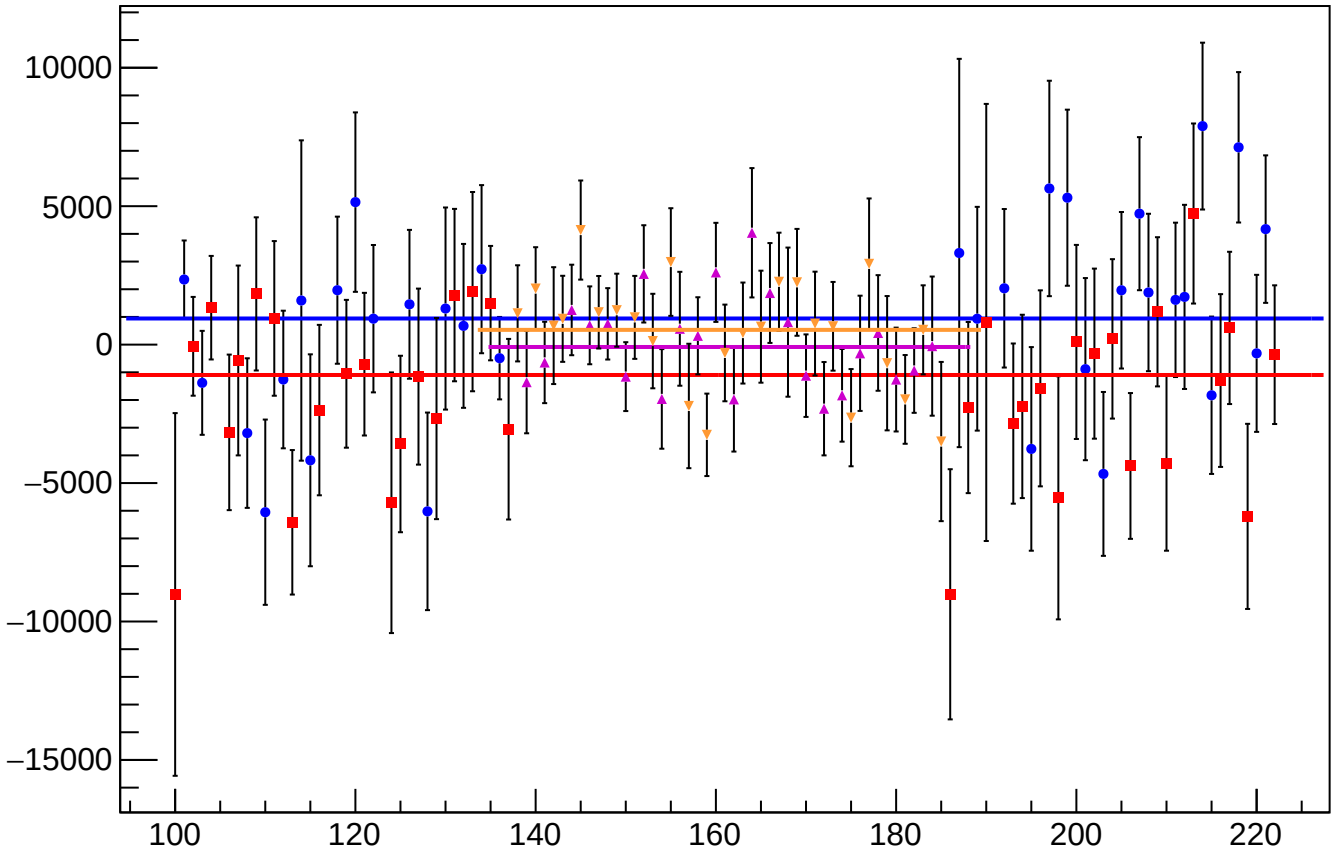
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.139+/-0.116 χ^2/NDF: 58348.0/70

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

Out: 1093.169+/-0.120 χ^2/NDF:40513.0/61

All: 1091.551+/-0.085 χ^2/NDF: 66381.5/118



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: -1096.581+/-485.347 χ^2/NDF: 29.8/36

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

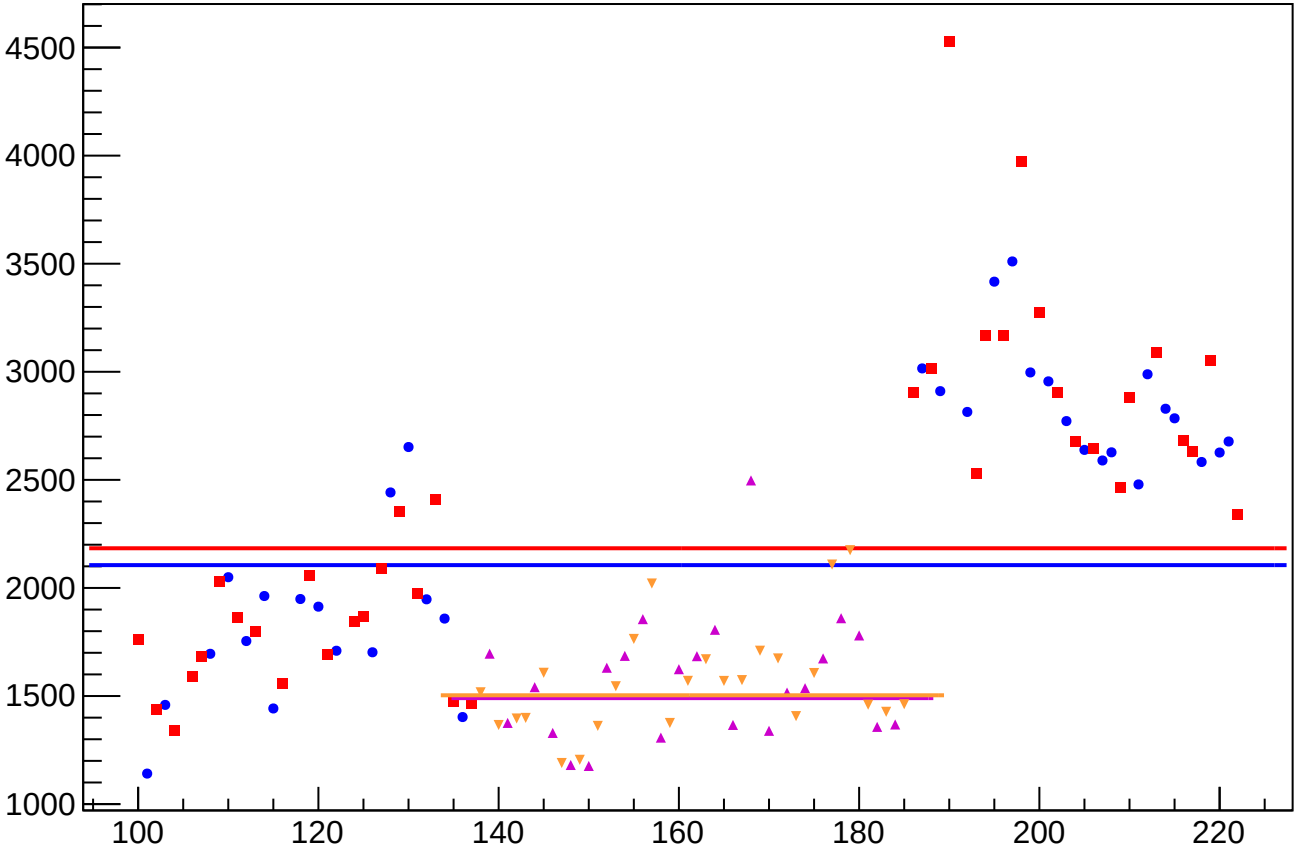
Right: -46.616+/-338.149 χ^2/NDF: 82.2/70

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -18.694+/-282.396 χ^2/NDF:63.7/61

All: 133.155+/-199.909 χ^2/NDF: 128.7/118

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2183.547+/-0.343 χ^2/NDF: 3529079.5/36

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

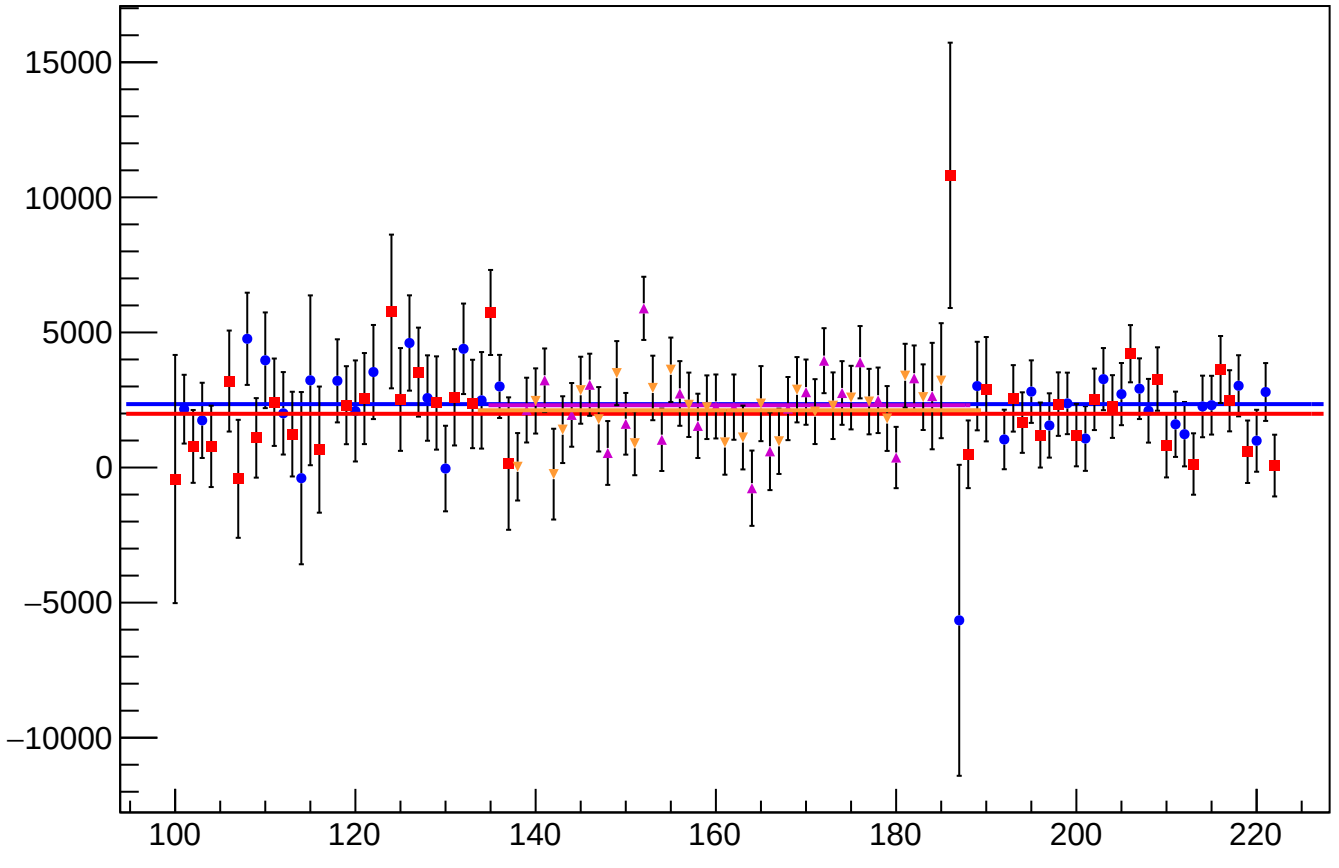
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2143.428+/-0.239 χ^2/NDF: 7478230.2/70

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

Out: 1733.683+/-0.200 χ^2/NDF:6926431.0/61

All: 1722.929+/-0.141 χ^2/NDF: 14001959.8/1



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: 1988.860+/-233.704 χ^2/NDF: 35.7/36

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

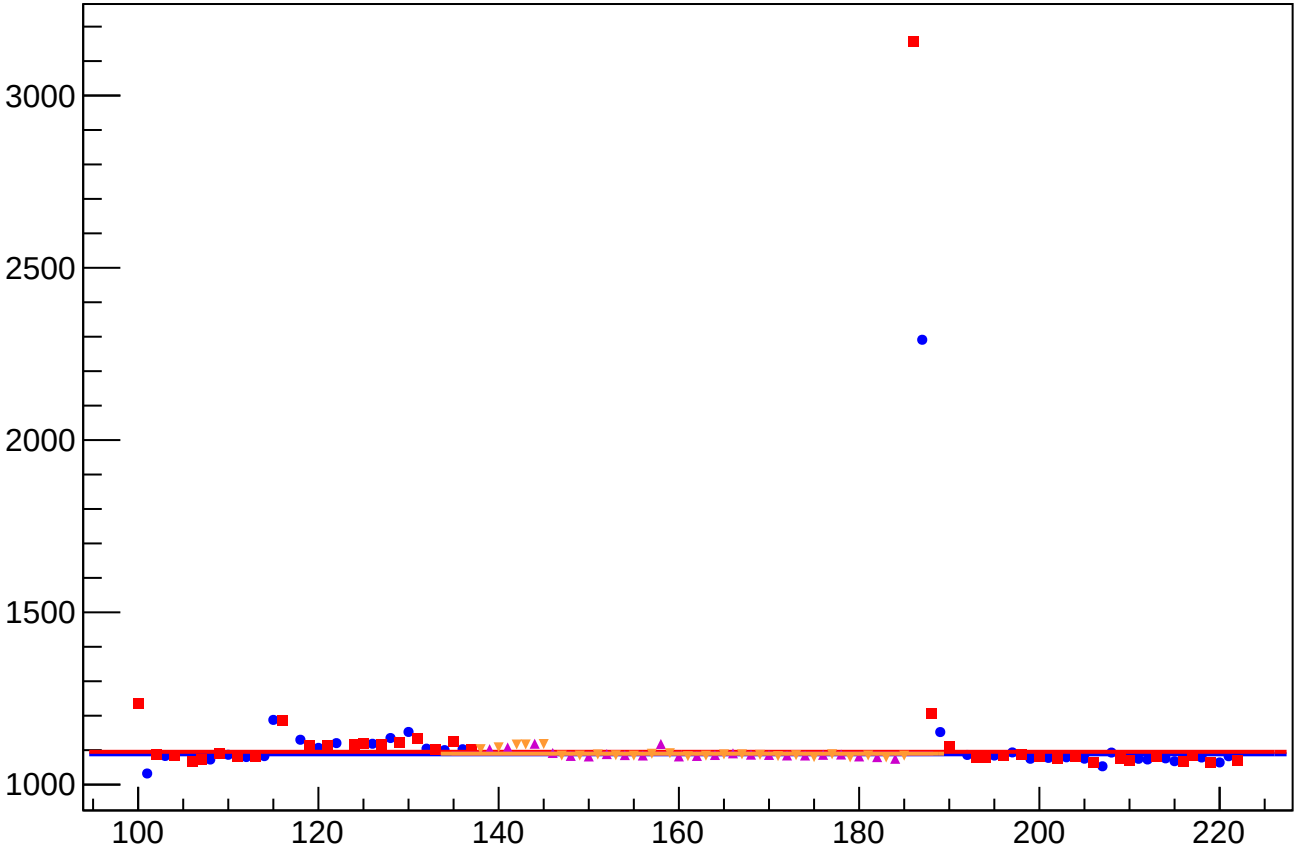
Right: 2169.313+/-164.662 χ^2/NDF: 56.8/70

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

Out: 2050.649+/-169.936 χ^2/NDF:50.9/61

All: 2188.196+/-120.701 χ^2/NDF: 100.7/118

overload_cor_asym_usr_rms vs Slug, Sign Corrected



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: 1095.210+/-0.165 χ^2/NDF: 386898.1/36

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

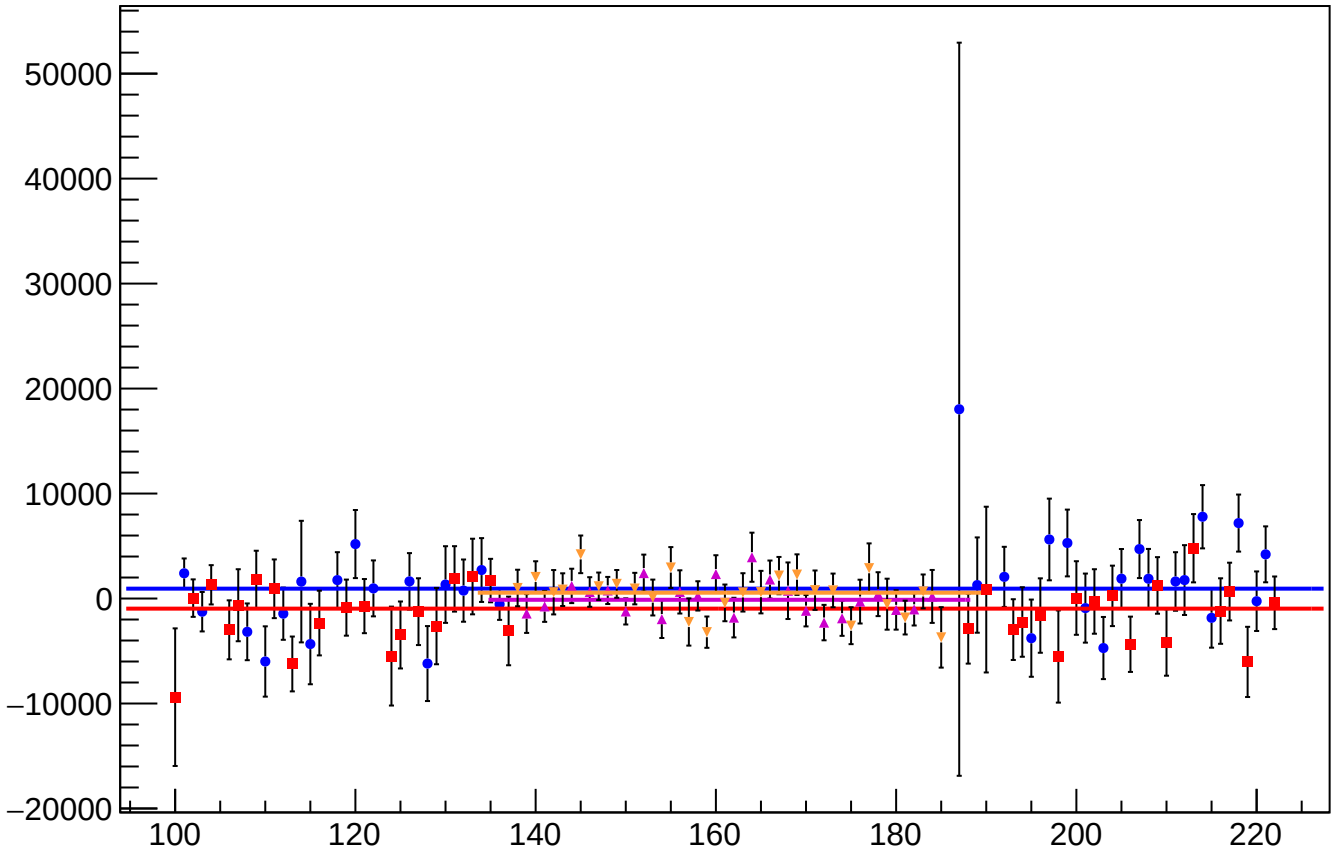
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1091.547+/-0.116 χ^2/NDF: 498514.0/70

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

Out: 1092.634+/-0.120 χ^2/NDF:391471.5/61

All: 1090.762+/-0.085 χ^2/NDF: 506566.5/118



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: -963.520+/-489.355 χ^2/NDF: 26.7/35

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

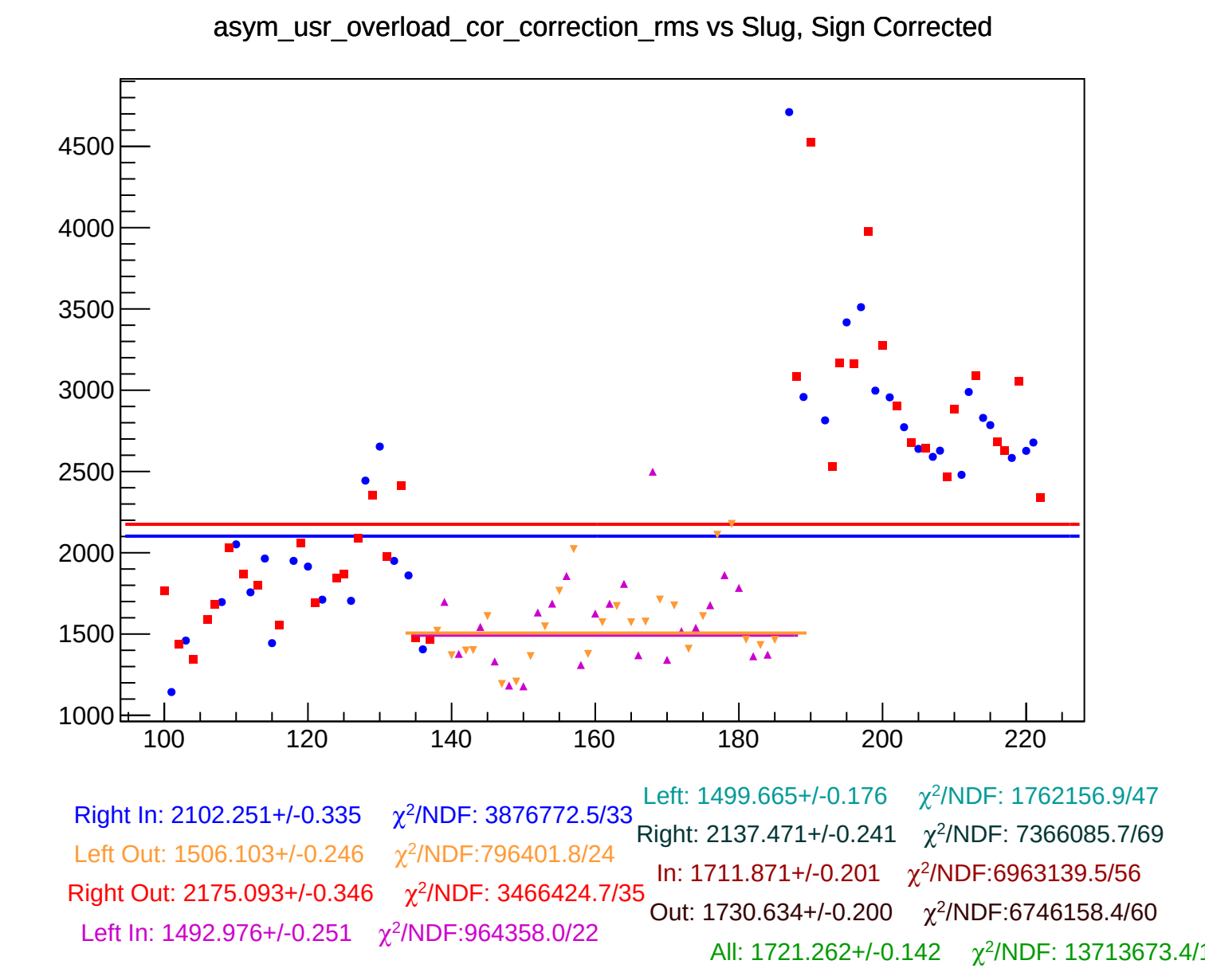
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

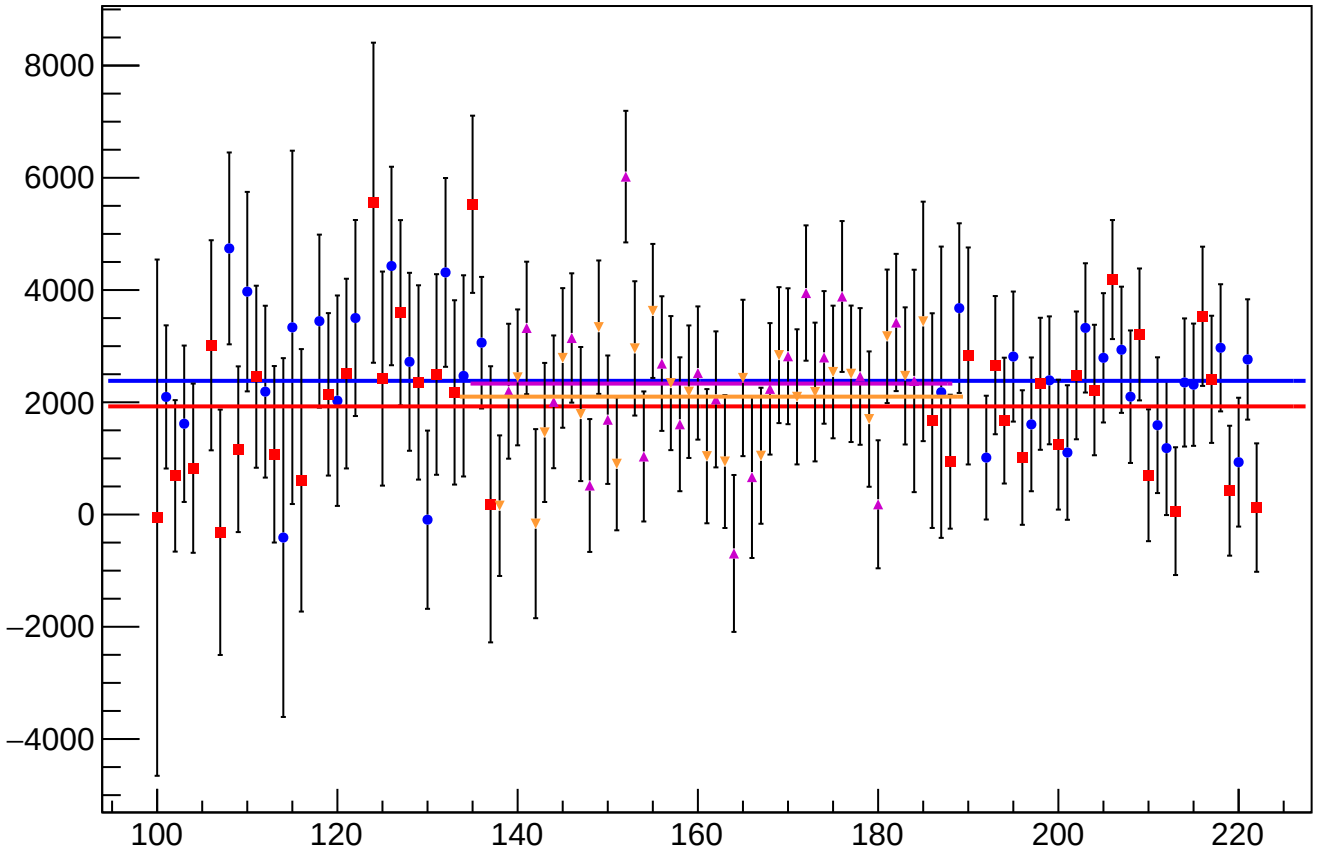
Right: 19.811+/-340.271 χ^2/NDF: 78.3/69

In: 260.038+/-283.794 χ^2/NDF:64.0/56

Out: 44.521+/-283.499 χ^2/NDF:59.3/60

All: 152.167+/-200.568 χ^2/NDF: 123.6/117


asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2102.251+/-0.335 χ²/NDF: 3876772.5/33
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 2175.093+/-0.346 χ²/NDF: 3466424.7/35
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 2137.471+/-0.241 χ²/NDF: 7366085.7/69
In: 1711.871+/-0.201 χ²/NDF:6963139.5/56
Out: 1730.634+/-0.200 χ²/NDF:6746158.4/60
All: 1721.262+/-0.142 χ²/NDF: 13713673.4/1



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: 1926.755+/-232.145 χ^2/NDF: 30.9/36

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

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

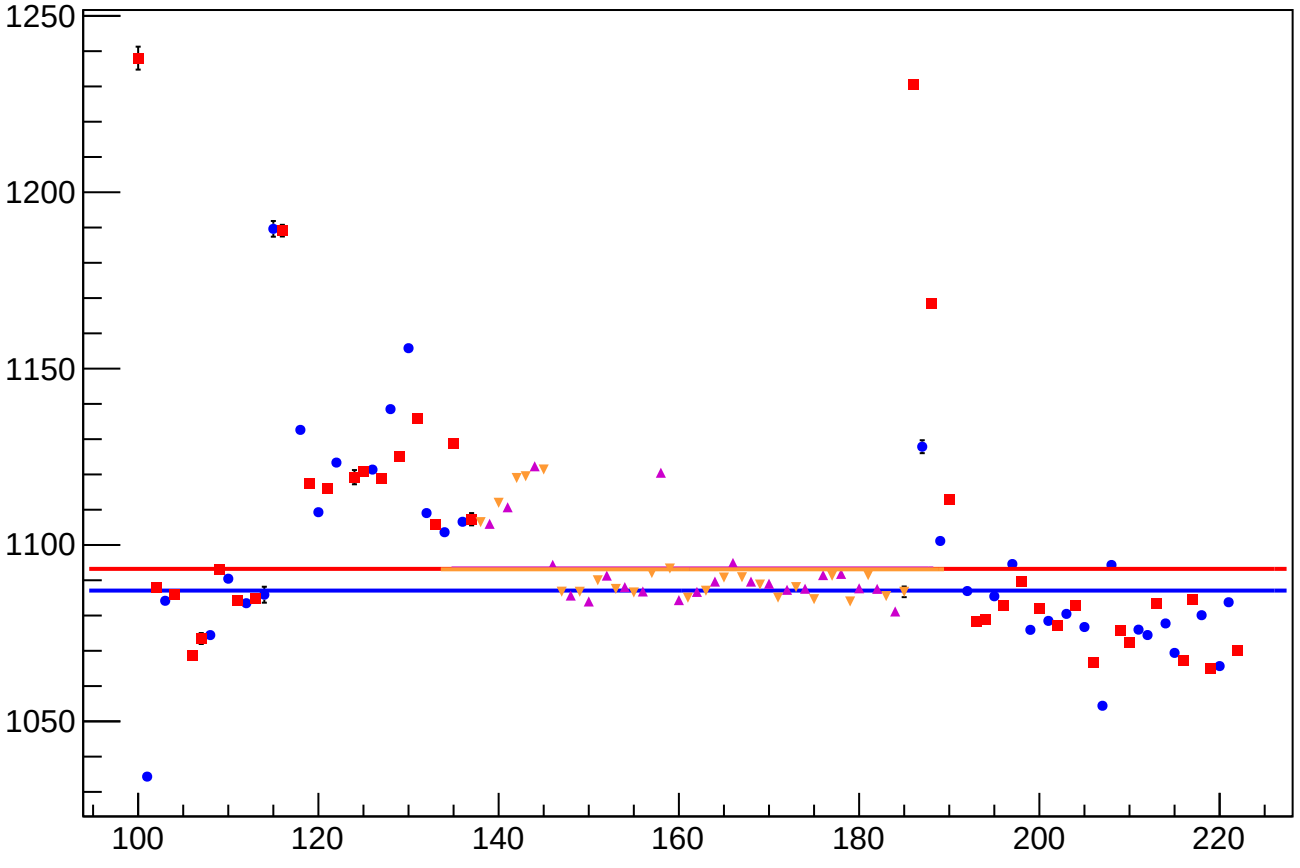
Right: 2155.251+/-163.842 χ^2/NDF: 51.6/70

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

Out: 2007.742+/-169.577 χ^2/NDF:45.0/61

All: 2181.947+/-120.547 χ^2/NDF: 95.4/118

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1093.227+/-0.164 χ^2/NDF: 36529.6/36

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

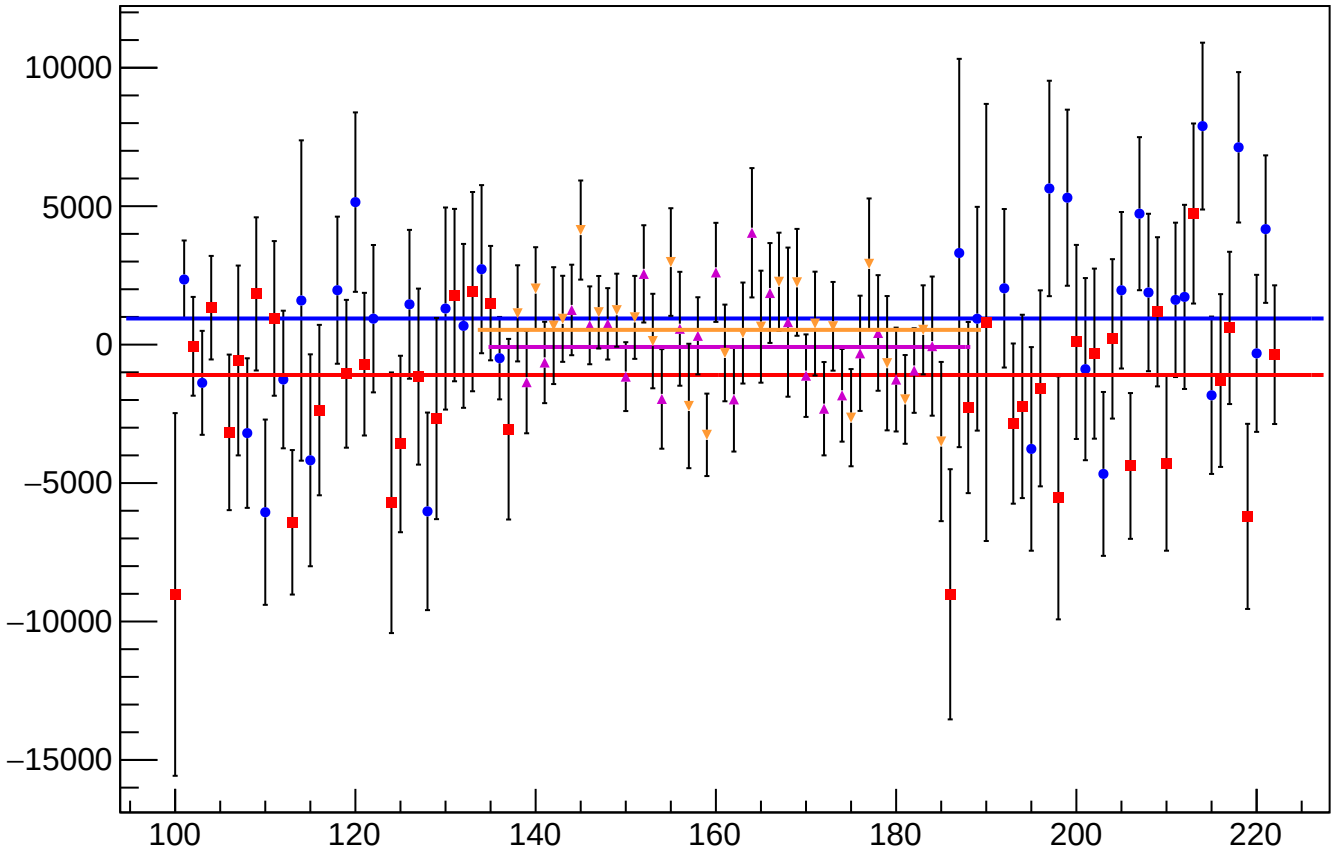
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.139+/-0.116 χ^2/NDF: 58348.0/70

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

Out: 1093.169+/-0.120 χ^2/NDF:40513.0/61

All: 1091.551+/-0.085 χ^2/NDF: 66381.5/118



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: -1096.581+/-485.347 χ^2/NDF: 29.8/36

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

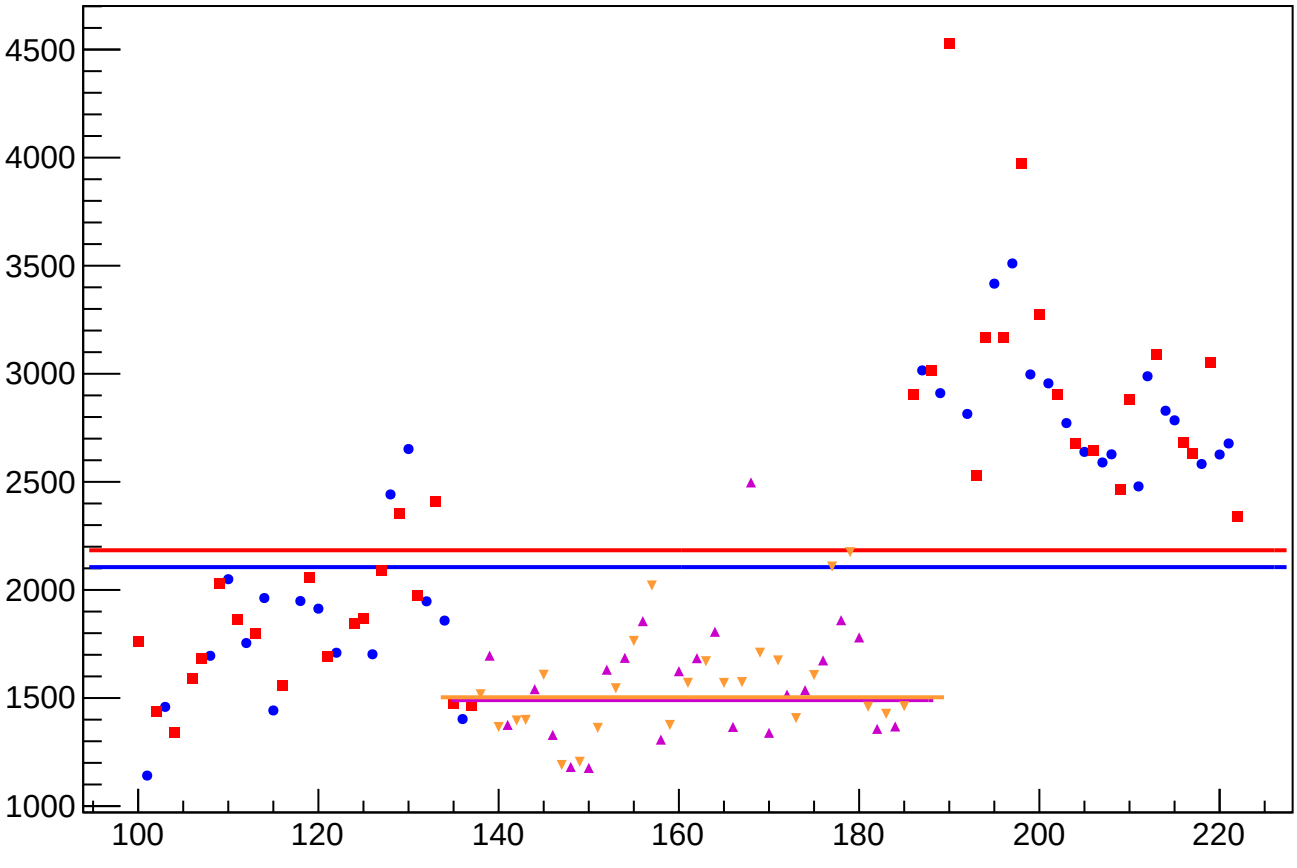
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -46.616+/-338.149 χ^2/NDF: 82.2/70

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -18.694+/-282.396 χ^2/NDF:63.7/61

All: 133.155+/-199.909 χ^2/NDF: 128.7/118



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: 2183.547+/-0.343 χ^2/NDF: 3529079.5/36

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

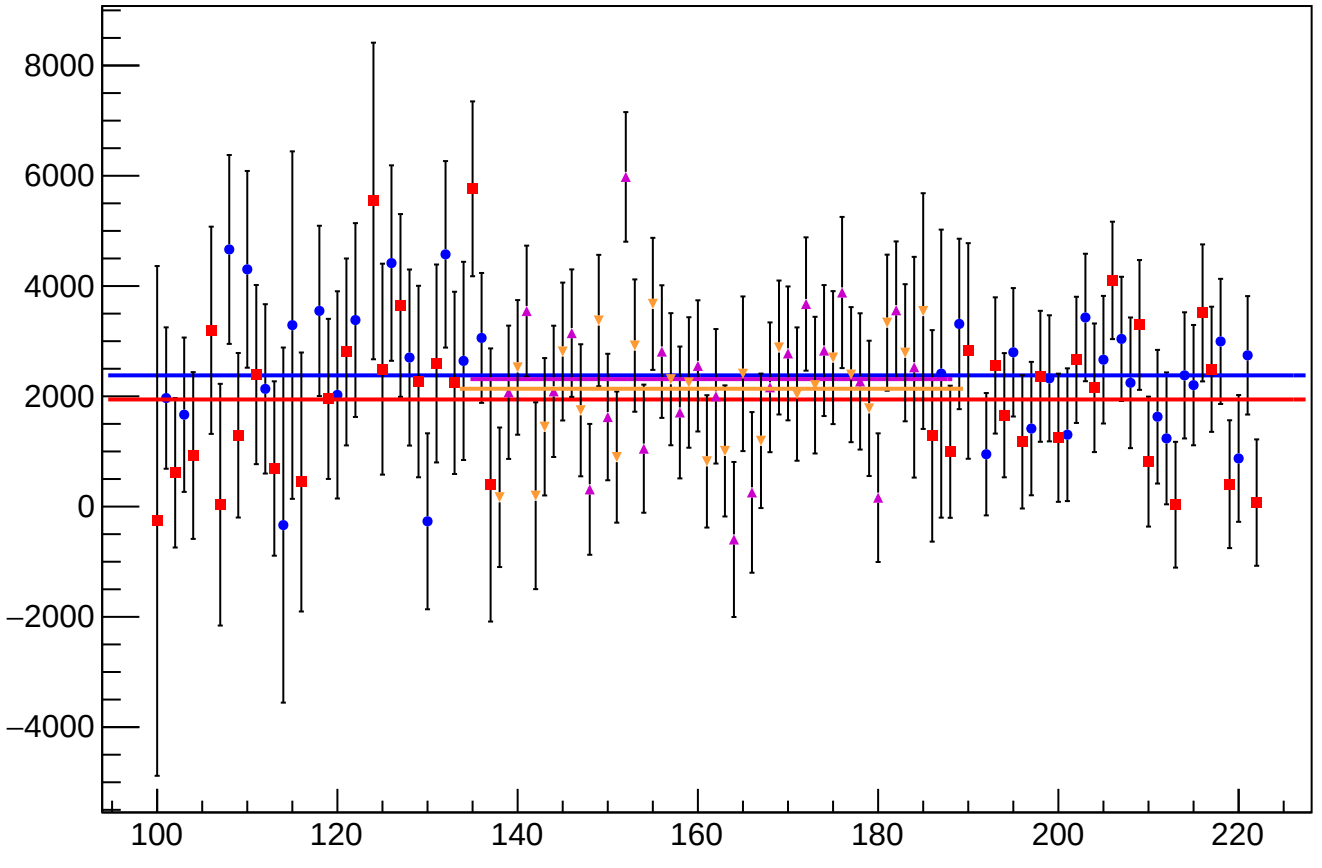
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2143.428+/-0.239 χ^2/NDF: 7478230.2/70

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

Out: 1733.683+/-0.200 χ^2/NDF:6926431.0/61

All: 1722.929+/-0.141 χ^2/NDF: 14001959.8/1



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: 1942.927+/-233.088 χ^2/NDF: 31.5/36

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

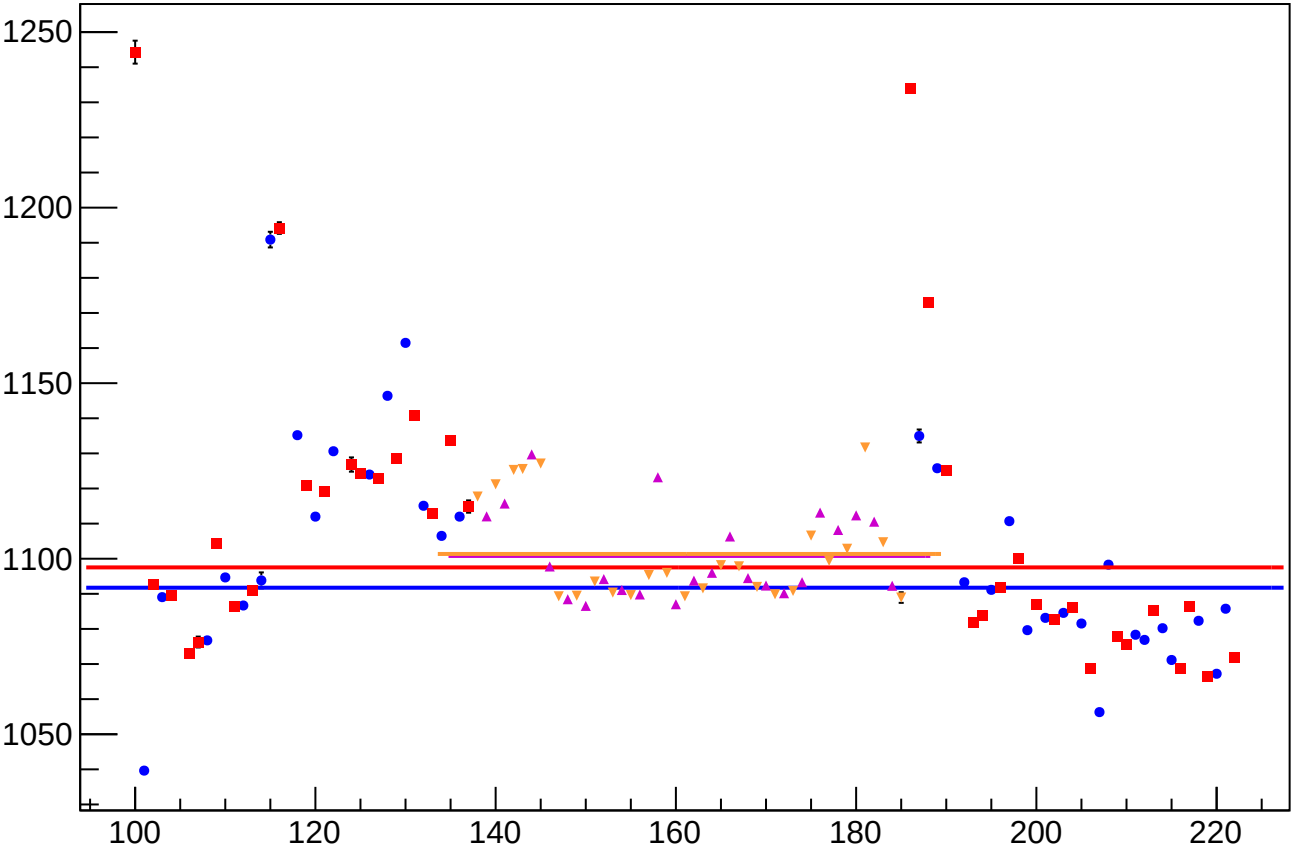
Right: 2162.193+/-164.531 χ^2/NDF: 52.7/70

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

Out: 2033.188+/-170.545 χ^2/NDF:45.7/61

All: 2189.589+/-121.222 χ^2/NDF: 96.9/118

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: 1097.525+/-0.165 χ^2/NDF: 37656.9/36

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

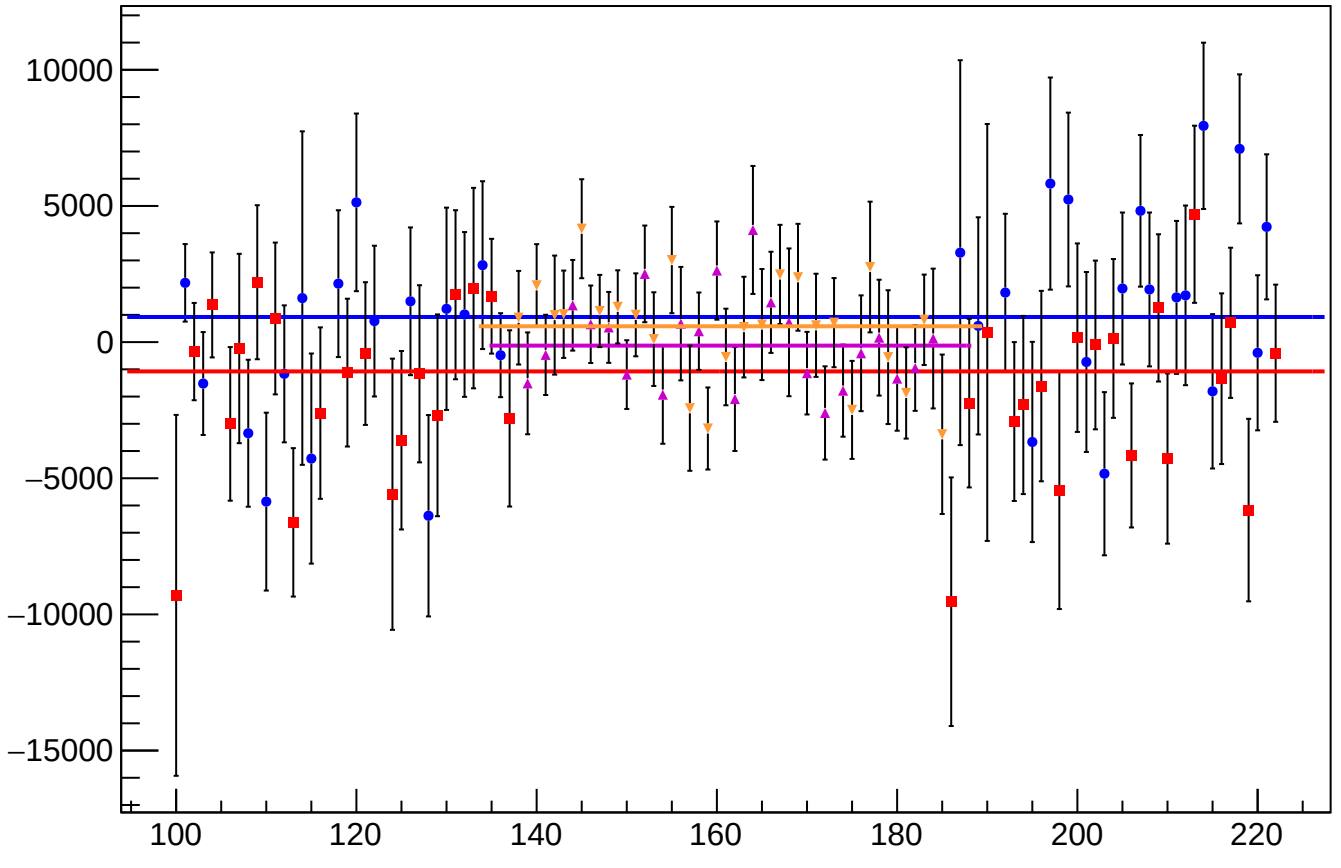
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1094.622+/-0.116 χ^2/NDF: 61658.9/70

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

Out: 1099.304+/-0.121 χ^2/NDF:43858.2/61

All: 1097.575+/-0.086 χ^2/NDF: 73664.8/118



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: -1075.994+/-490.345 χ^2/NDF: 29.9/36

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

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

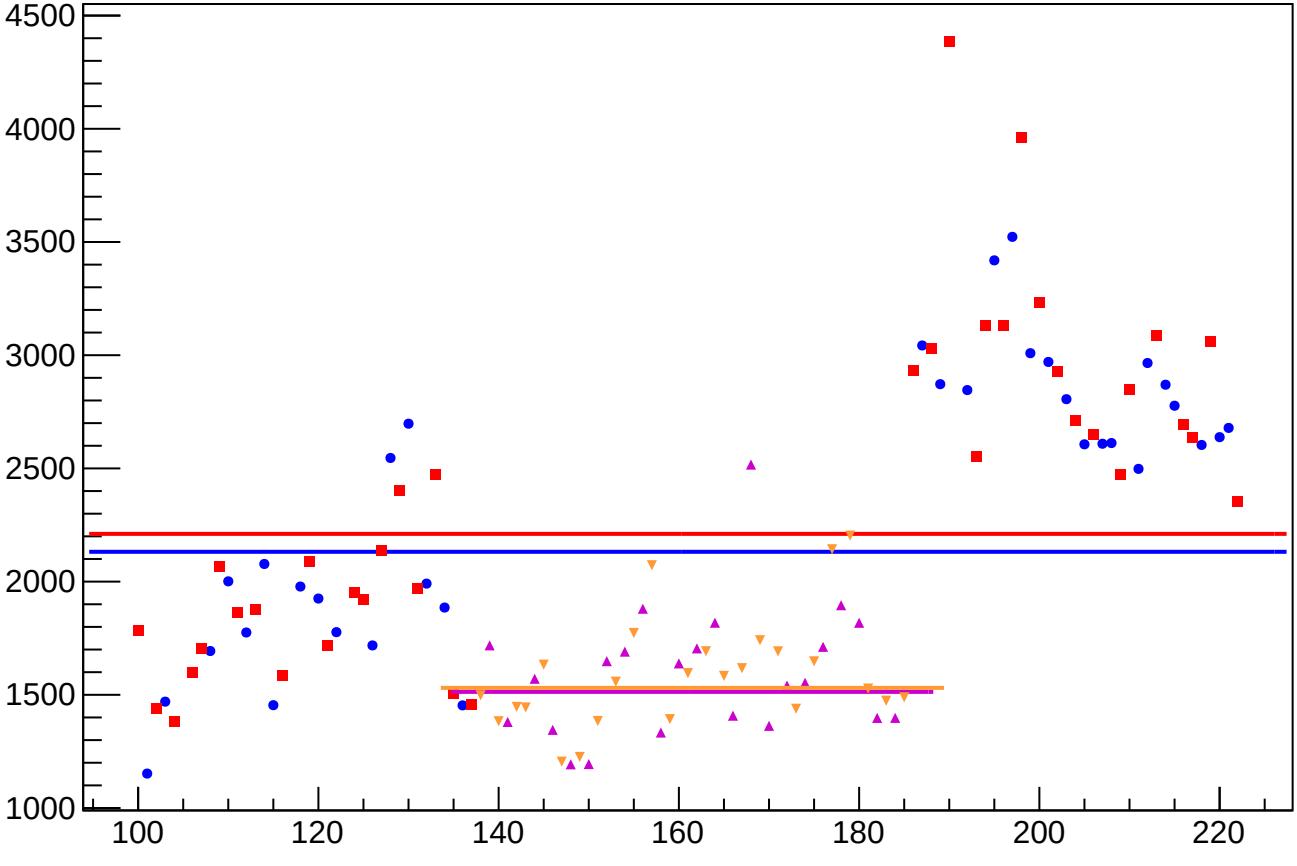
Right: -47.561+/-341.628 χ^2/NDF: 81.8/70

In: 252.345+/-286.737 χ^2/NDF:64.3/56

Out: 14.845+/-286.693 χ^2/NDF:62.8/61

All: 133.576+/-202.738 χ^2/NDF: 127.4/118

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 2131.721+/-0.337 χ^2/NDF: 3788509.3/33

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2210.902+/-0.347 χ^2/NDF: 3360031.7/36

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

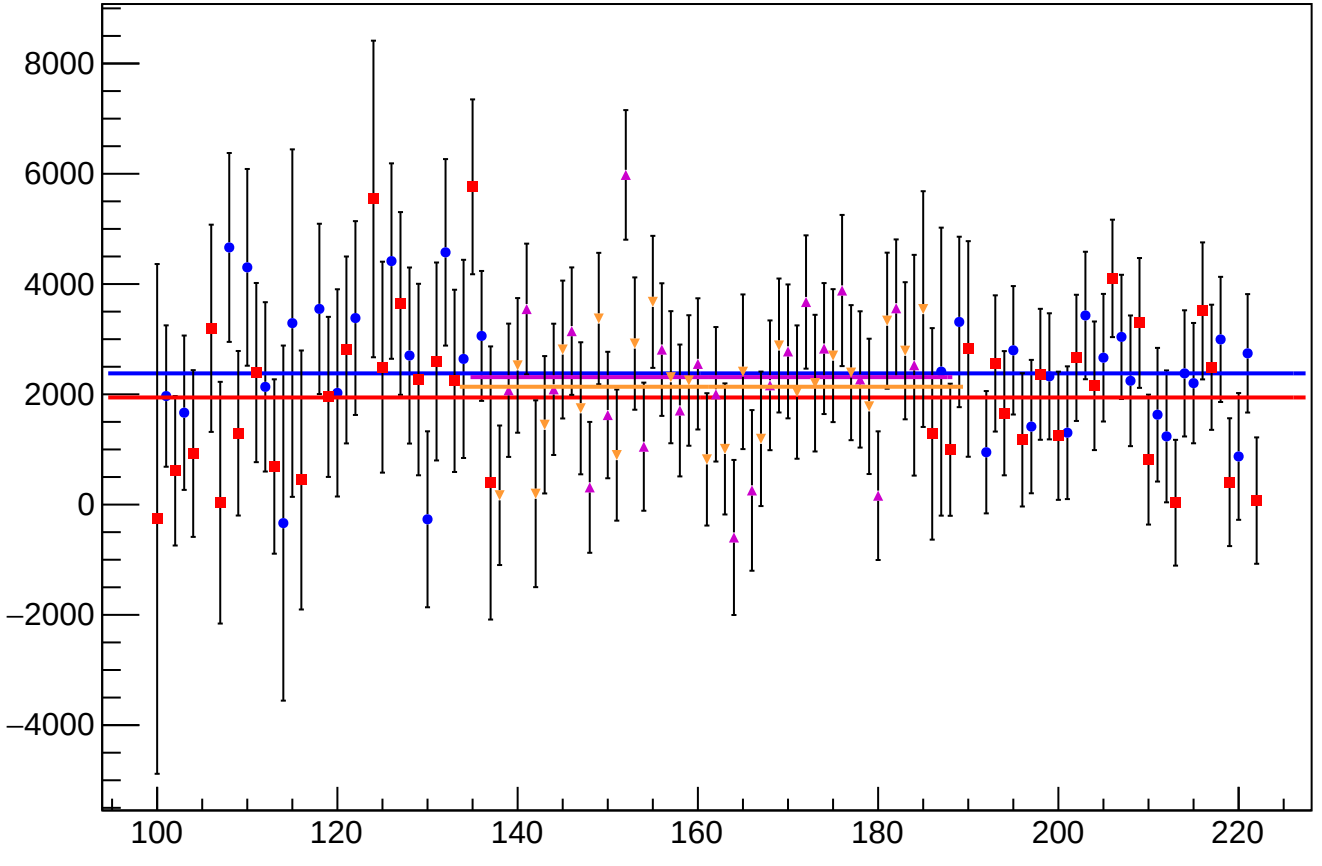
Right: 2170.156+/-0.242 χ^2/NDF: 7175377.7/70

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

Out: 1763.266+/-0.203 χ^2/NDF:6688156.9/61

All: 1750.267+/-0.143 χ^2/NDF: 13594349.2/1

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: 1942.932+/-233.088 χ^2/NDF: 31.5/36

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

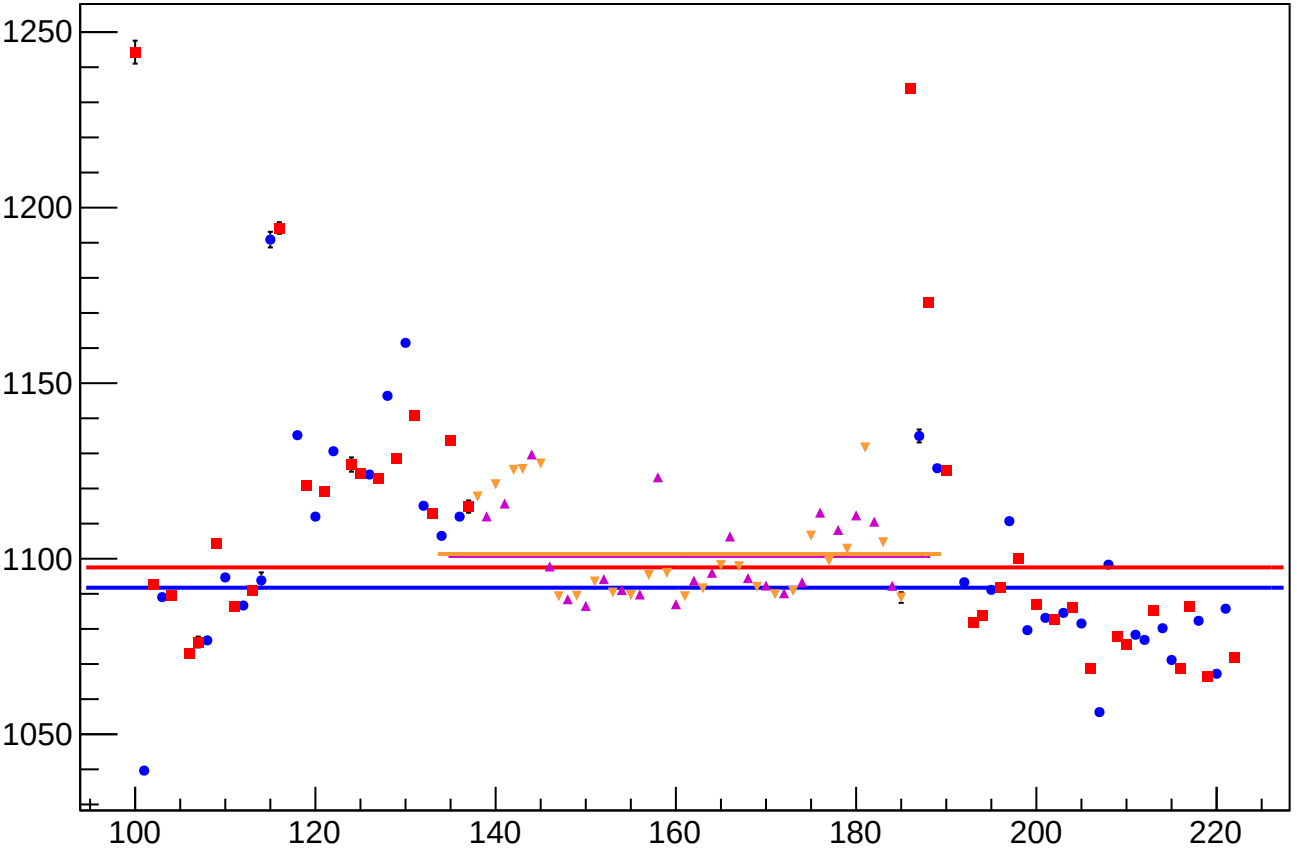
Right: 2162.195+/-164.531 χ^2/NDF: 52.7/70

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

Out: 2033.190+/-170.545 χ^2/NDF:45.7/61

All: 2189.590+/-121.222 χ^2/NDF: 96.9/118

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: 1097.525+/-0.165 χ^2/NDF: 37656.8/36

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

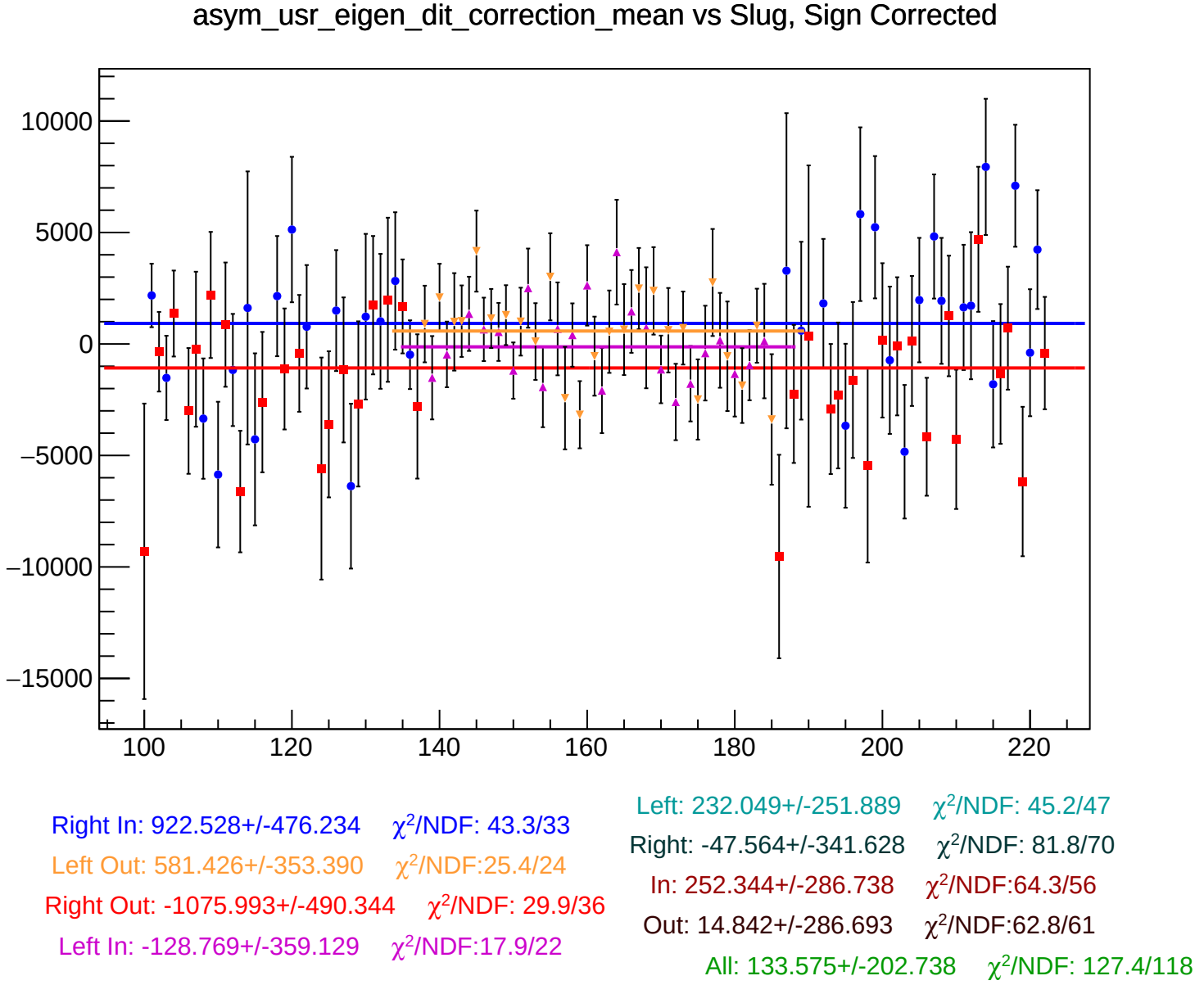
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

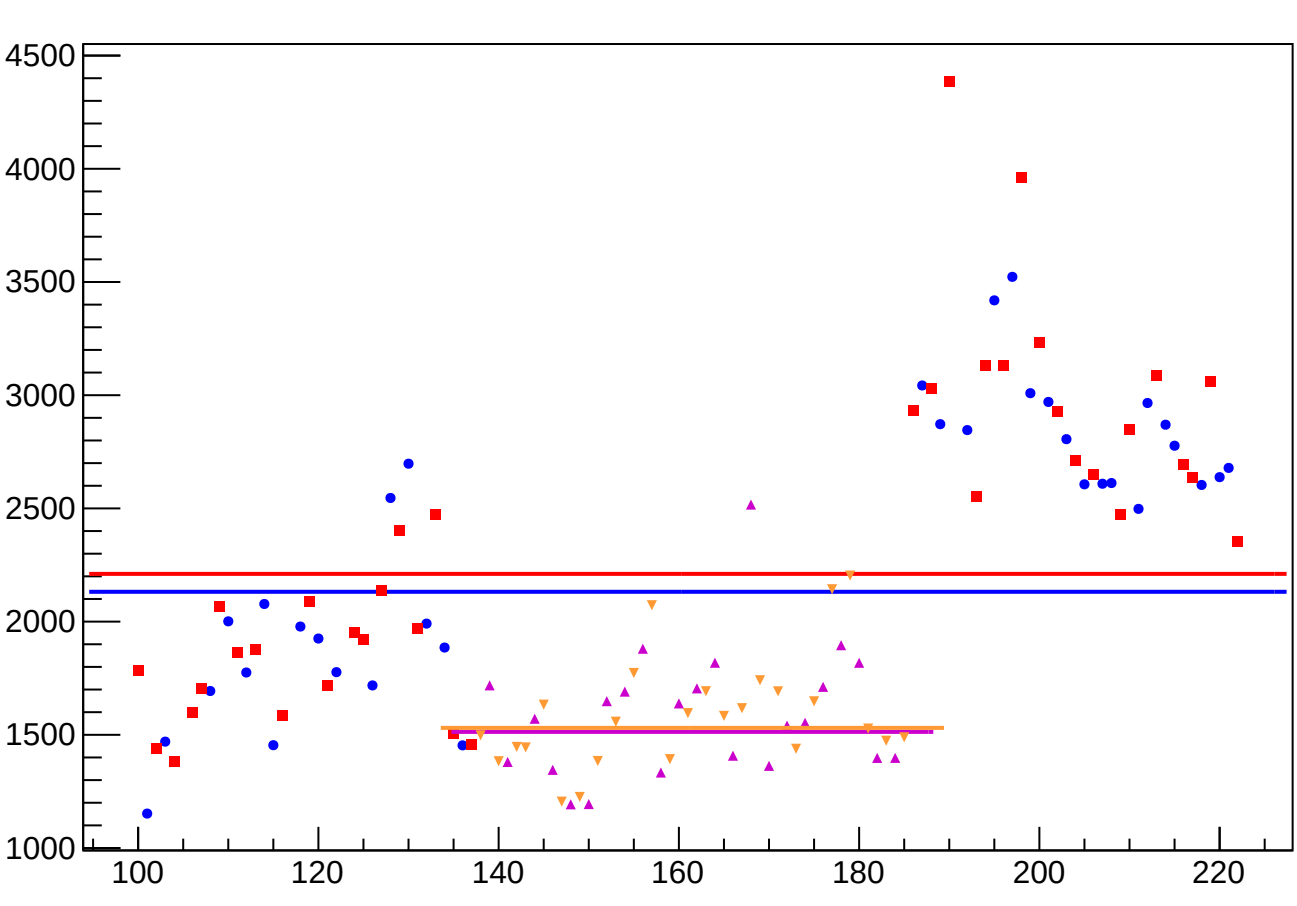
Right: 1094.622+/-0.116 χ^2/NDF: 61658.6/70

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

Out: 1099.304+/-0.121 χ^2/NDF:43858.1/61

All: 1097.575+/-0.086 χ^2/NDF: 73664.5/118


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: -1075.993+/-490.344 χ²/NDF: 29.9/36
Left In: -128.769+/-359.129 χ²/NDF:17.9/22
Left: 232.049+/-251.889 χ²/NDF: 45.2/47
Right: -47.564+/-341.628 χ²/NDF: 81.8/70
In: 252.344+/-286.738 χ²/NDF:64.3/56
Out: 14.842+/-286.693 χ²/NDF:62.8/61
All: 133.575+/-202.738 χ²/NDF: 127.4/118



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: 2210.900+/-0.347 χ^2/NDF: 3360033.1/36

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

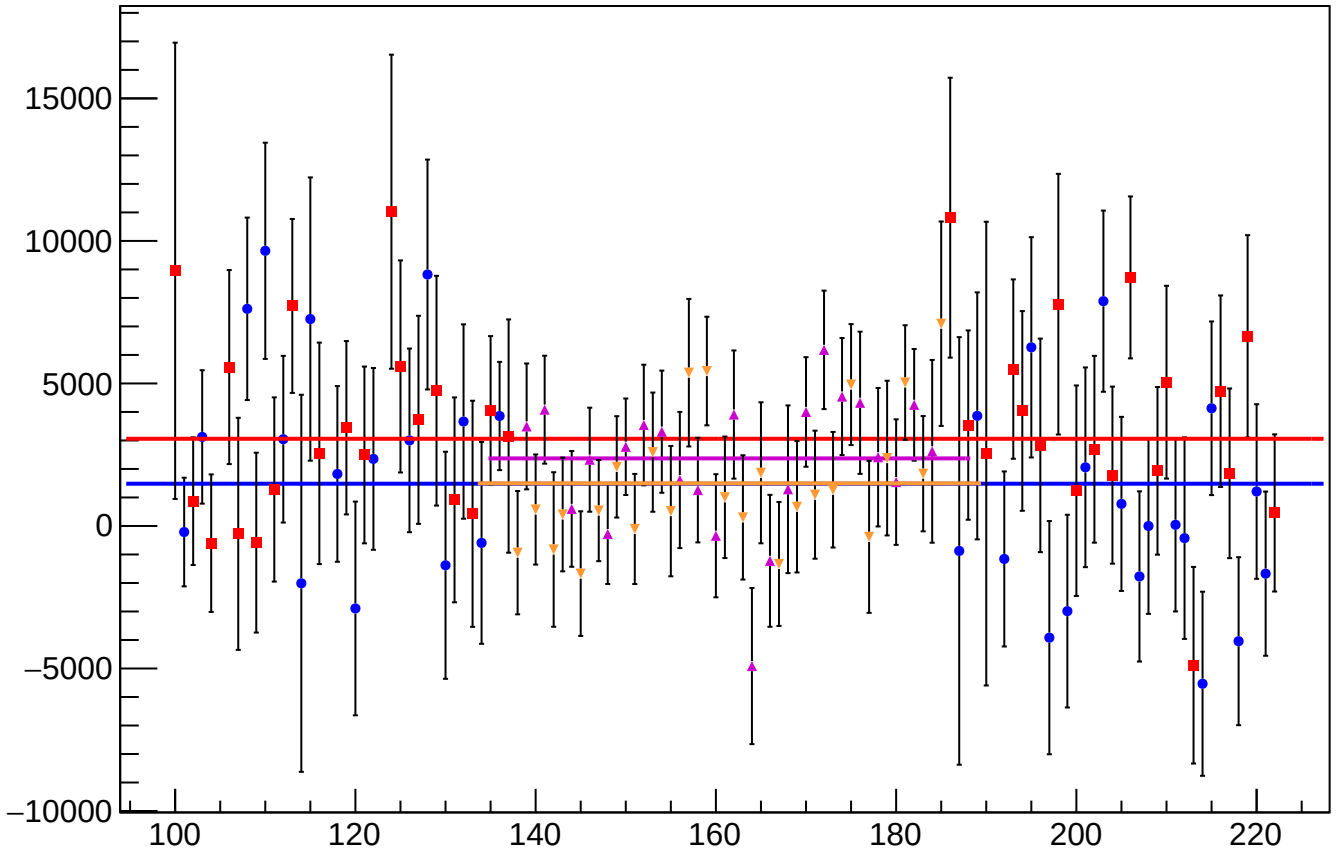
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2170.155+/-0.242 χ^2/NDF: 7175394.8/70

In: 1737.265+/-0.203 χ^2/NDF:6897951.0/56

Out: 1763.269+/-0.203 χ^2/NDF:6688122.0/61

All: 1750.270+/-0.143 χ^2/NDF: 13594298.8/1



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: 3058.915+/-554.873 χ^2/NDF: 29.6/36

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

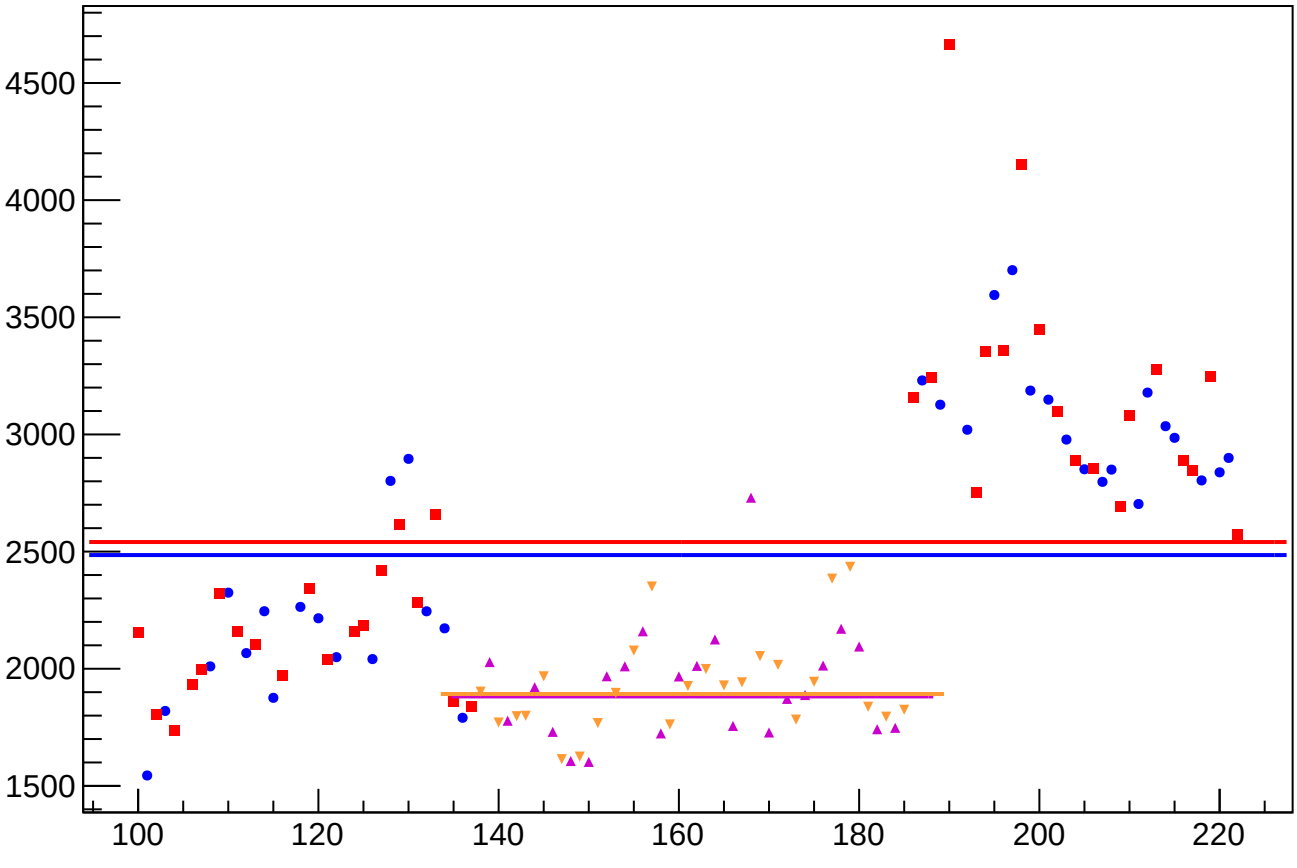
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2255.398+/-388.562 χ^2/NDF: 75.4/70

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

Out: 2087.257+/-341.458 χ^2/NDF:58.3/61

All: 2052.200+/-242.188 χ^2/NDF: 125.3/118



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: 2540.854+/-0.392 χ^2/NDF: 2178842.2/36

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

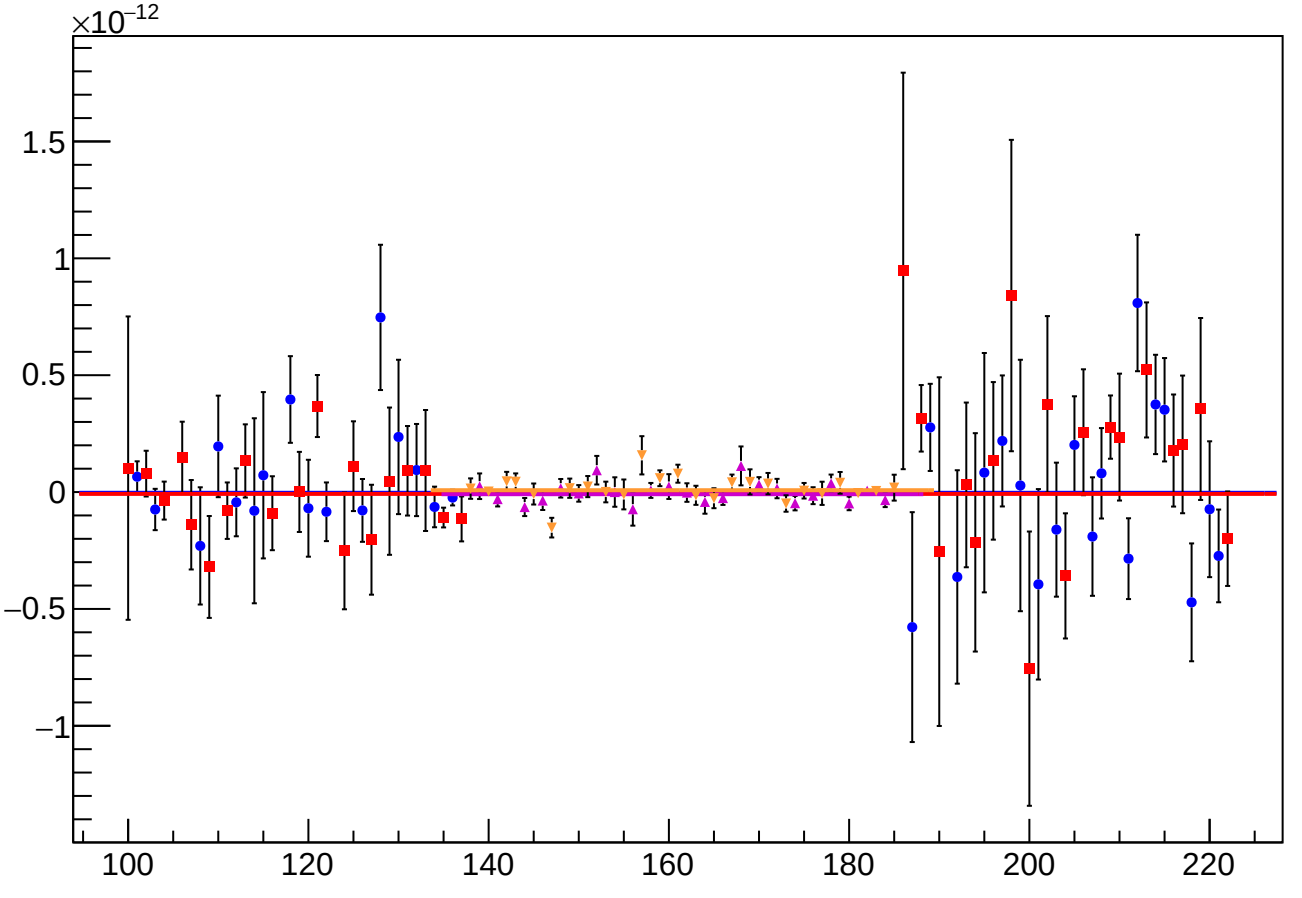
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2512.475+/-0.275 χ^2/NDF: 4423904.1/70

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

Out: 2137.789+/-0.241 χ^2/NDF:4267068.0/61

All: 2130.065+/-0.171 χ^2/NDF: 8444616.3/11



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: 48.8/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

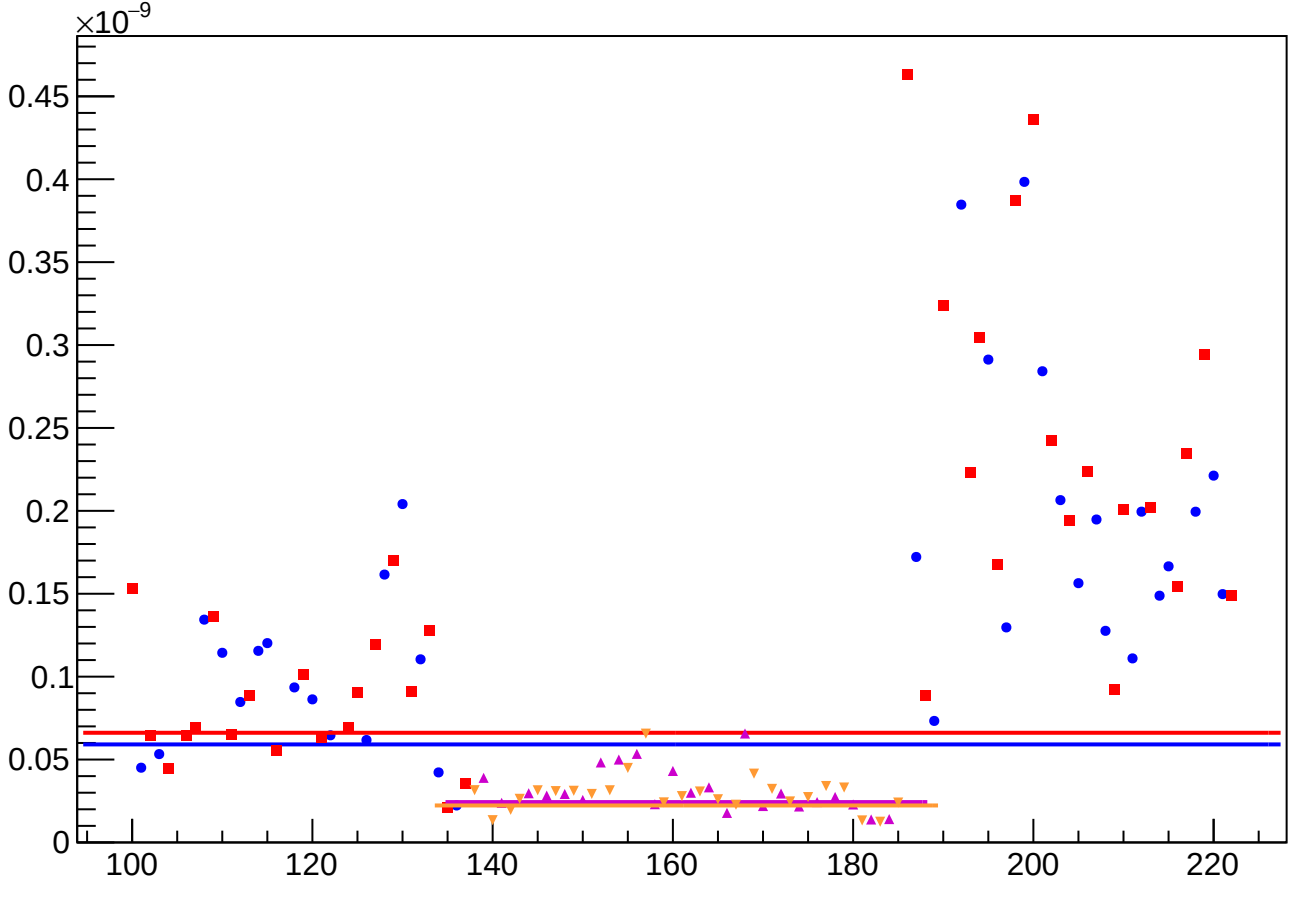
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 94.6/70

In: -0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:81.5/61

All: -0.000+/-0.000 χ^2/NDF: 149.0/118



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: 11087438.9/36

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

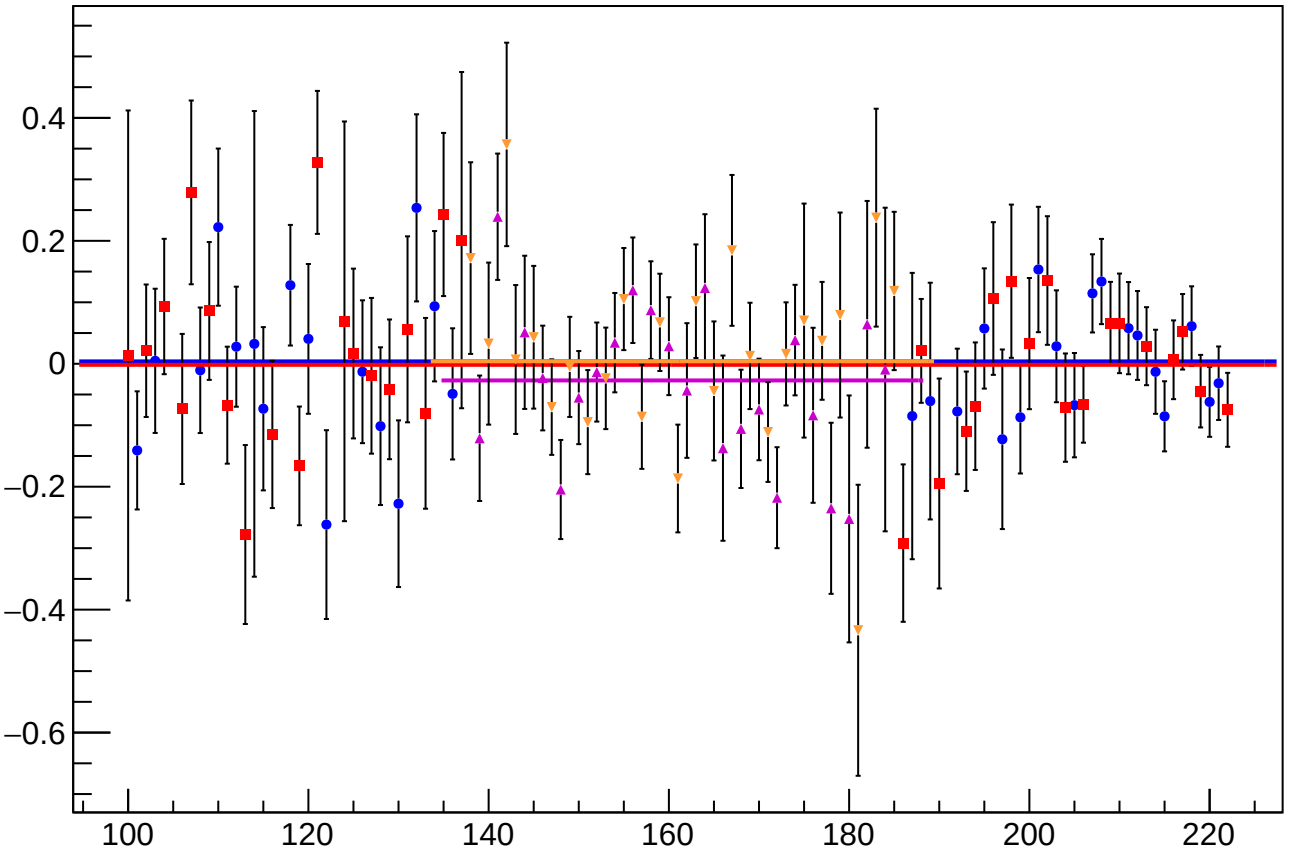
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 23080679.8/70

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

Out: 0.000+/-0.000 χ^2/NDF:20515218.7/61

All: 0.000+/-0.000 χ^2/NDF: 39971021.8/118



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.016 χ^2/NDF: 44.0/36

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

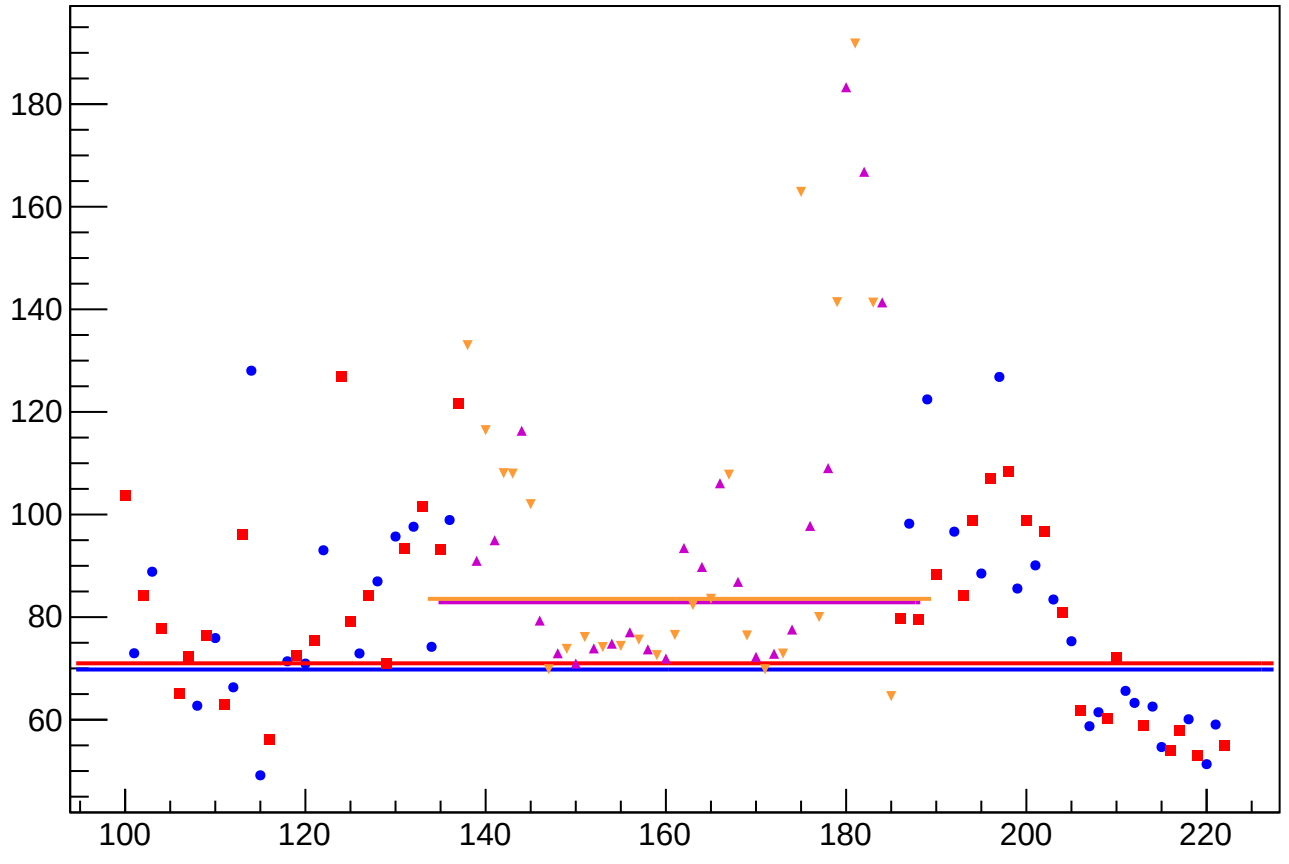
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.001+/-0.011 χ^2/NDF: 79.7/70

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.013 χ^2/NDF:72.2/61

All: -0.004+/-0.009 χ^2/NDF: 141.5/118



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 70.997+/-0.011 χ^2/NDF: 2090147.5/36

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

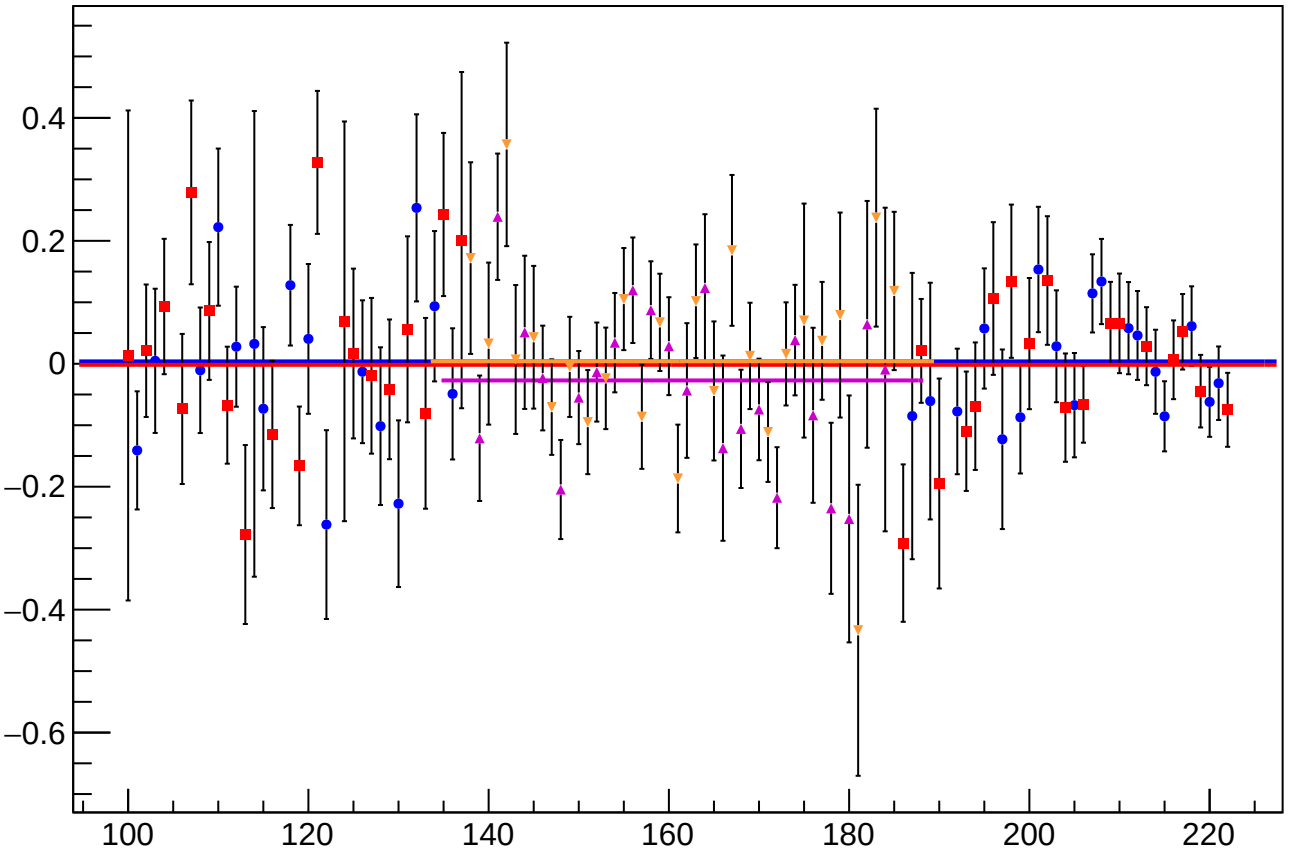
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.386+/-0.008 χ^2/NDF: 4121384.9/70

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

Out: 75.778+/-0.009 χ^2/NDF:4737872.3/61

All: 75.199+/-0.006 χ^2/NDF: 8857712.7/118



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.016 χ^2/NDF: 44.0/36

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

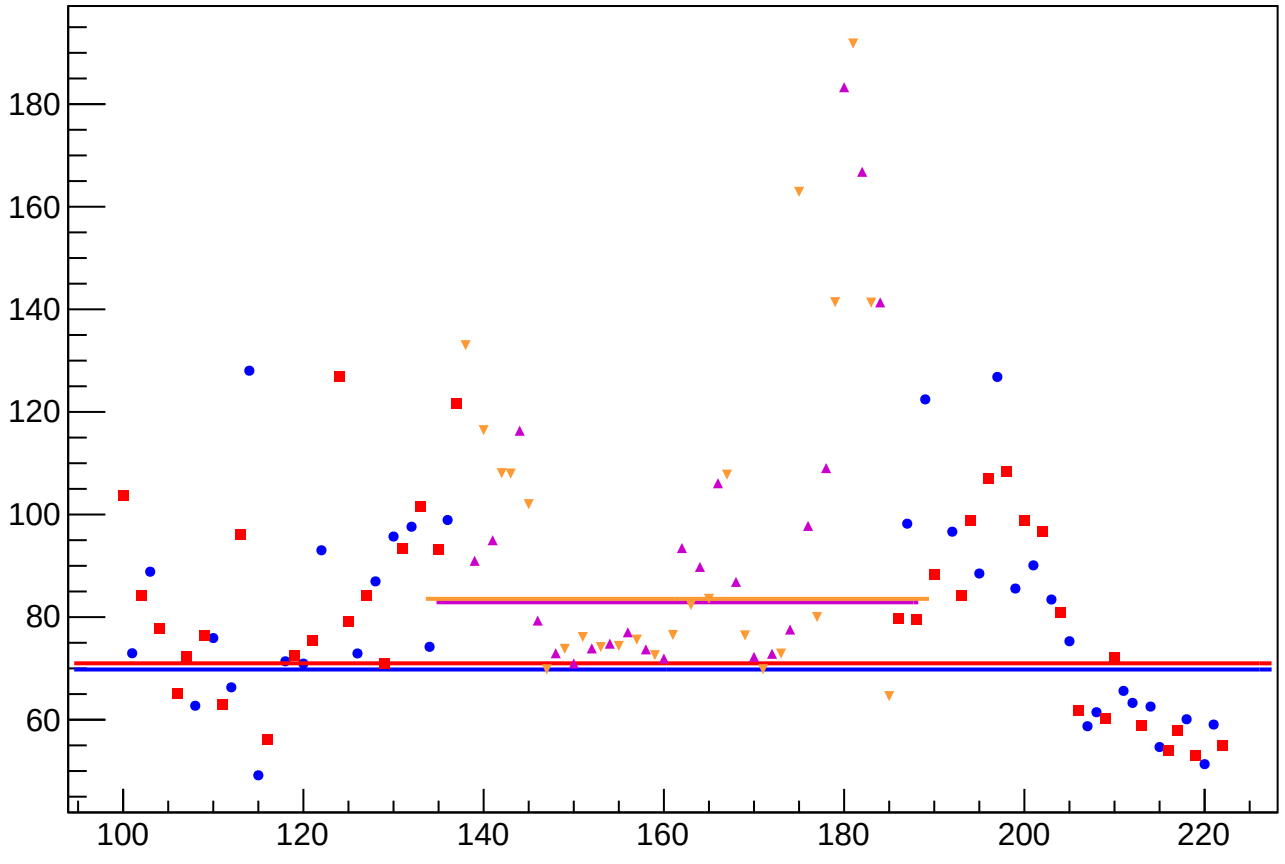
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.001+/-0.011 χ^2/NDF: 79.7/70

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.013 χ^2/NDF:72.2/61

All: -0.004+/-0.009 χ^2/NDF: 141.5/118



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 70.997+/-0.011 χ^2/NDF: 2090147.5/36

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

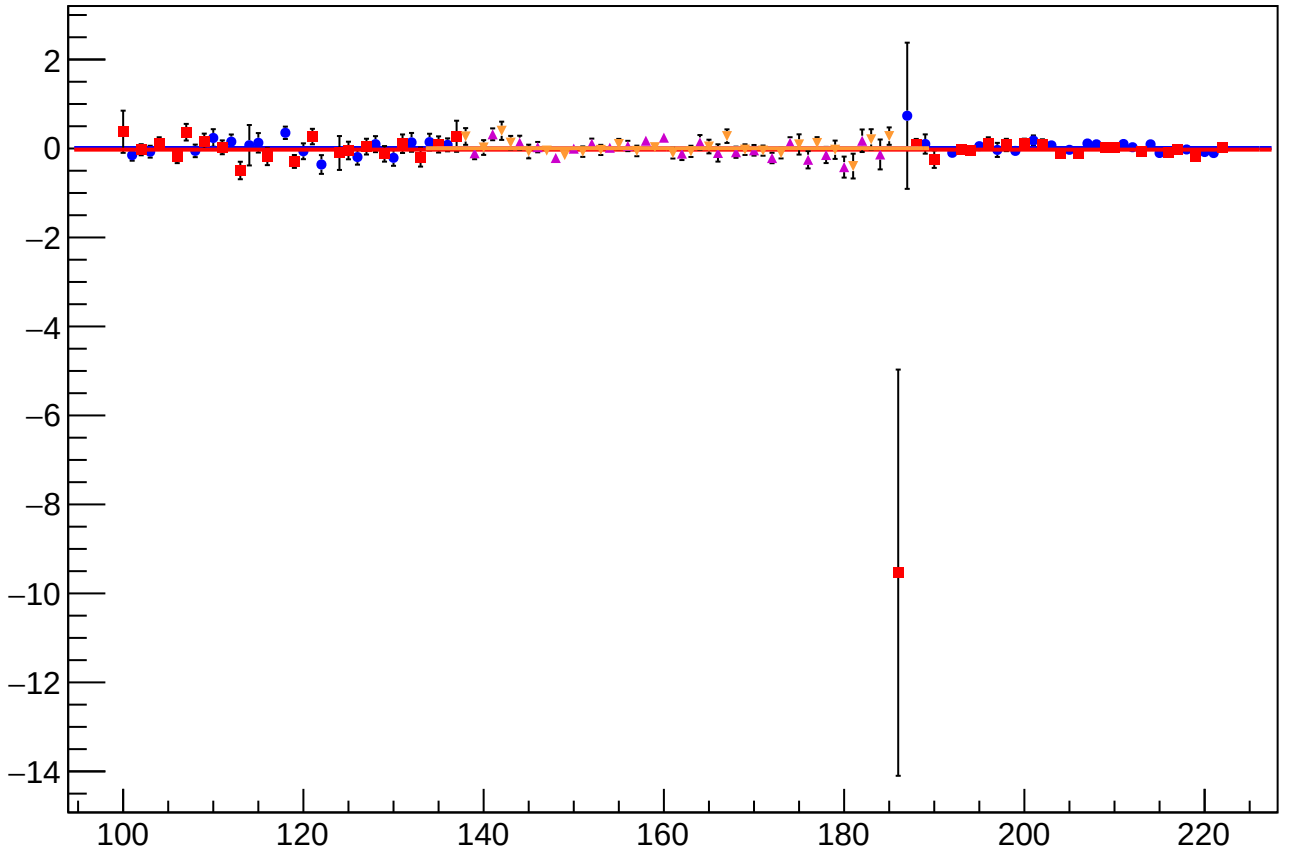
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.386+/-0.008 χ^2/NDF: 4121384.9/70

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

Out: 75.778+/-0.009 χ^2/NDF:4737872.3/61

All: 75.199+/-0.006 χ^2/NDF: 8857712.7/118



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: -0.026+/-0.021 χ^2/NDF: 40.6/36

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

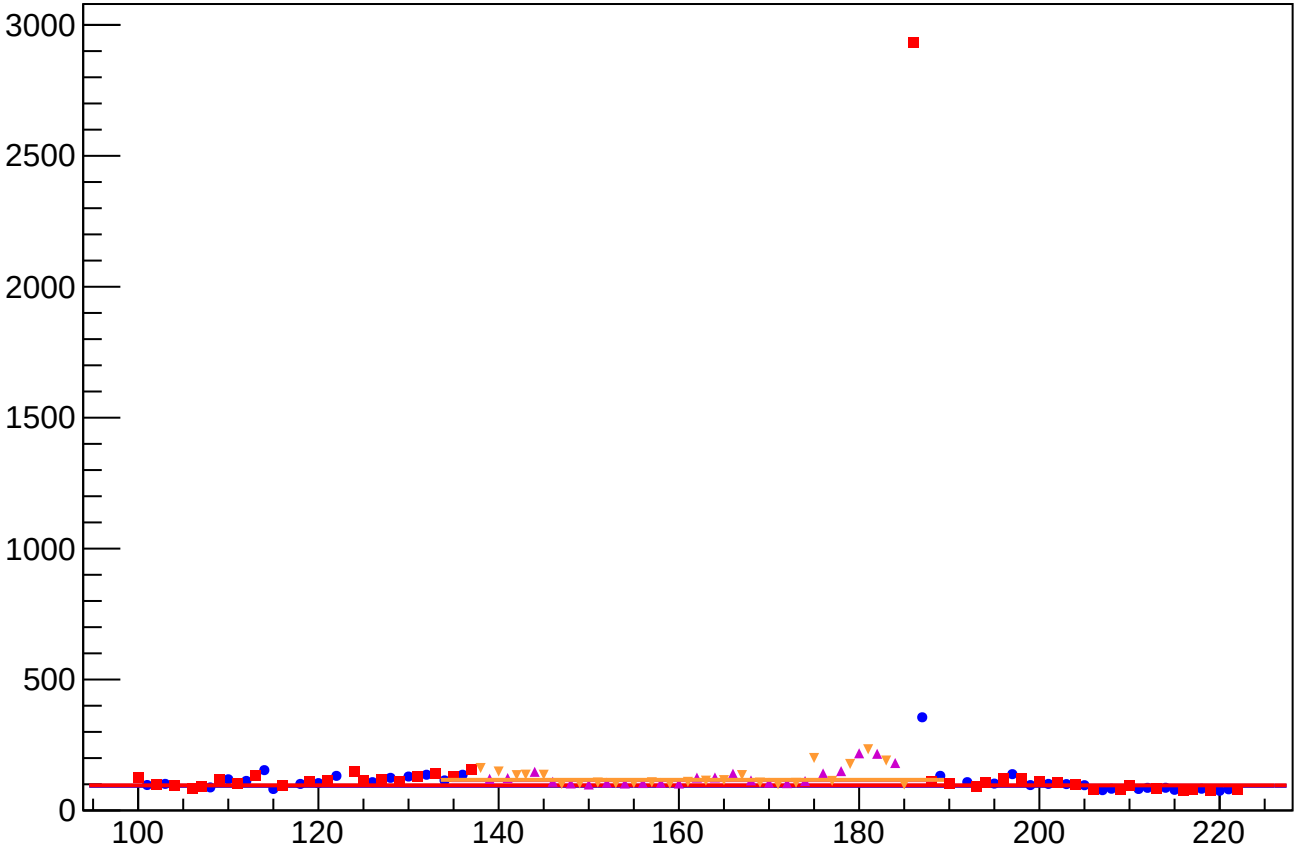
Right: -0.007+/-0.015 χ^2/NDF: 74.1/70

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.014+/-0.017 χ^2/NDF:62.8/61

All: -0.002+/-0.012 χ^2/NDF: 127.1/118

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: 95.940+/-0.015 χ^2/NDF: 2060456.1/36

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

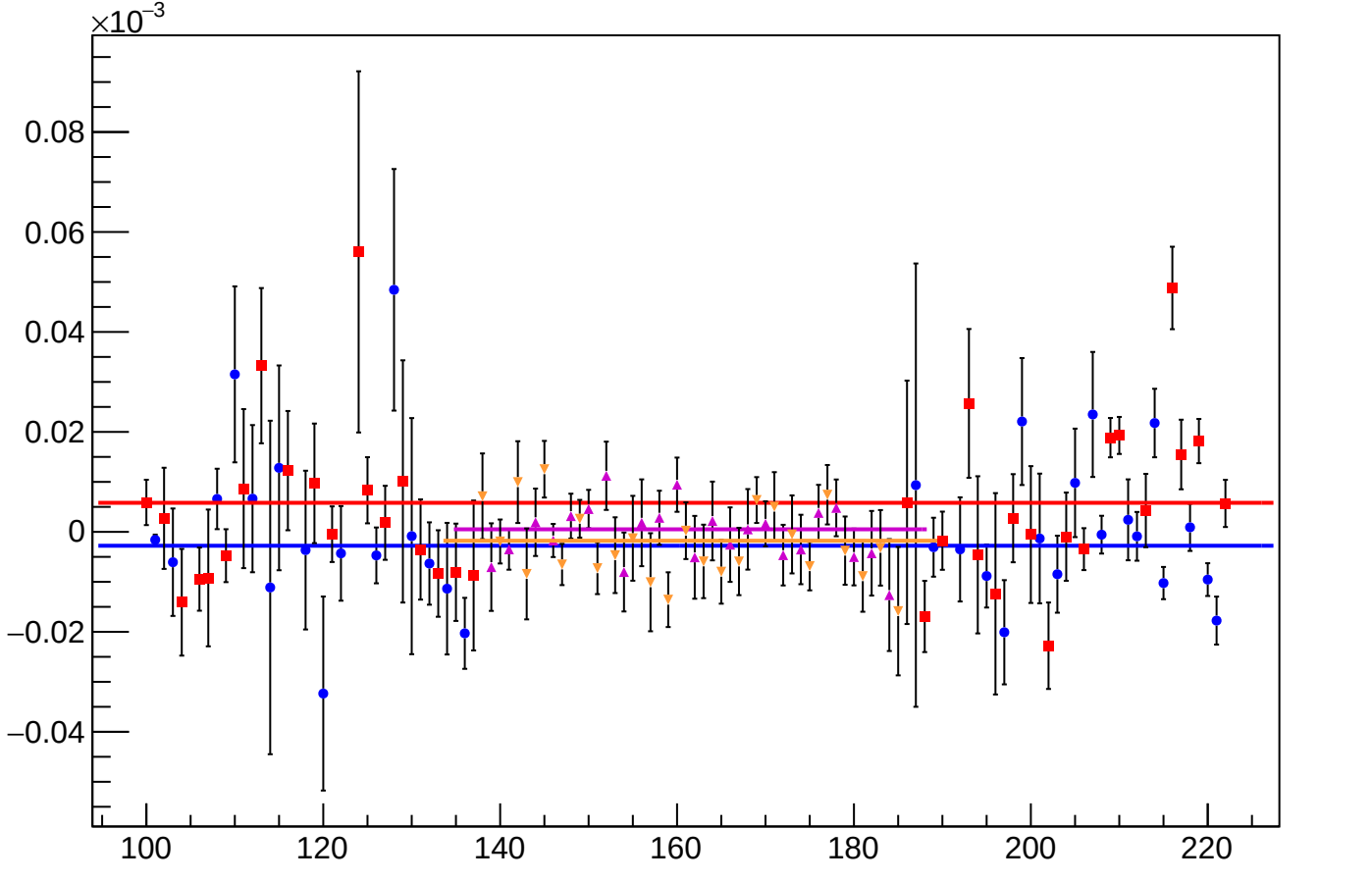
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 94.989+/-0.011 χ^2/NDF: 3440127.3/70

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

Out: 103.682+/-0.012 χ^2/NDF:4374522.4/61

All: 102.726+/-0.008 χ^2/NDF: 7763482.2/118



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: 121.1/36

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

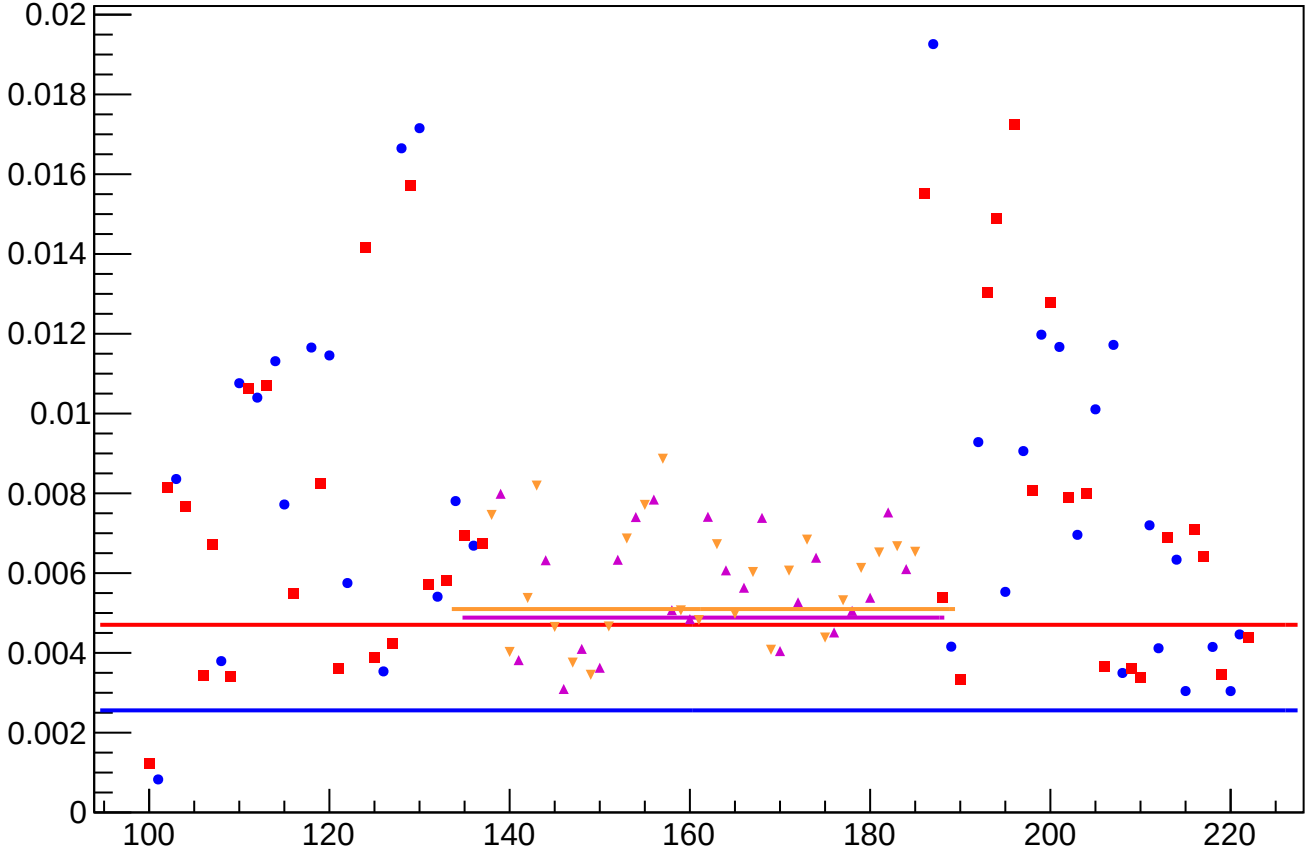
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 227.7/70

In: -0.000+/-0.000 χ^2/NDF:90.7/56

Out: 0.000+/-0.000 χ^2/NDF:172.3/61

All: -0.000+/-0.000 χ^2/NDF: 276.3/118



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: 8906540.2/36

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

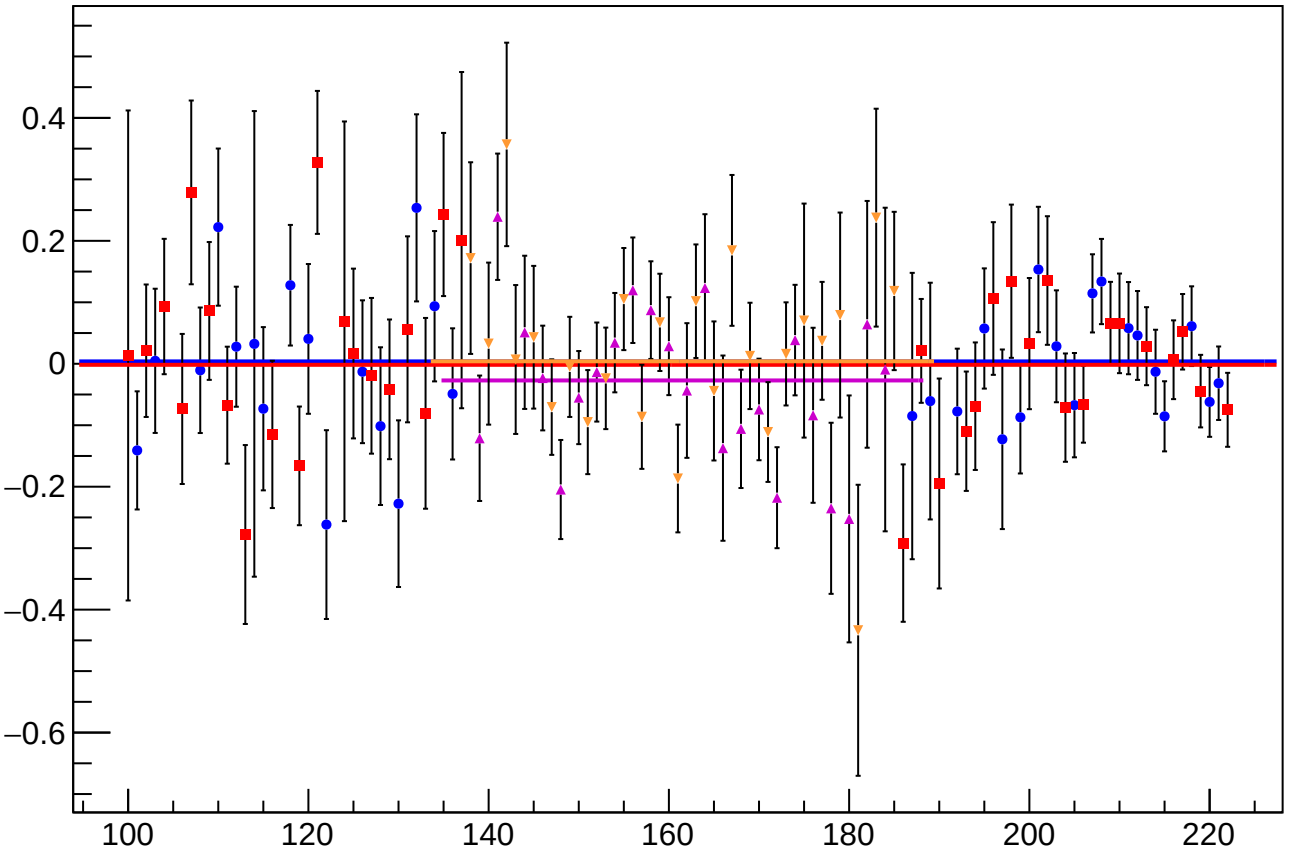
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34421779.4/70

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

Out: 0.005+/-0.000 χ^2/NDF:11394367.7/61

All: 0.004+/-0.000 χ^2/NDF: 44952815.0/118



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.016 χ^2/NDF: 44.0/36

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

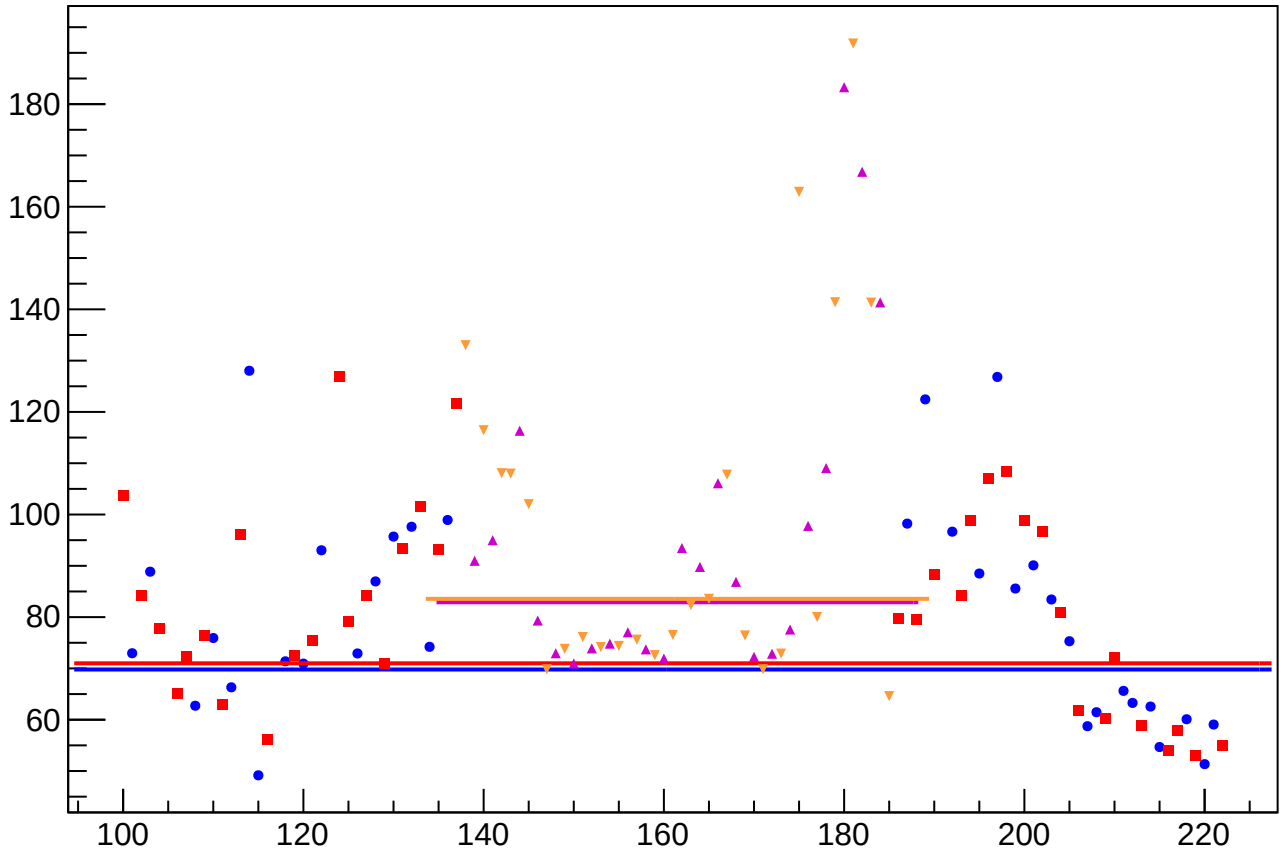
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.001+/-0.011 χ^2/NDF: 79.7/70

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.001+/-0.013 χ^2/NDF:72.2/61

All: -0.004+/-0.009 χ^2/NDF: 141.5/118



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 70.997+/-0.011 χ^2/NDF: 2090073.1/36

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

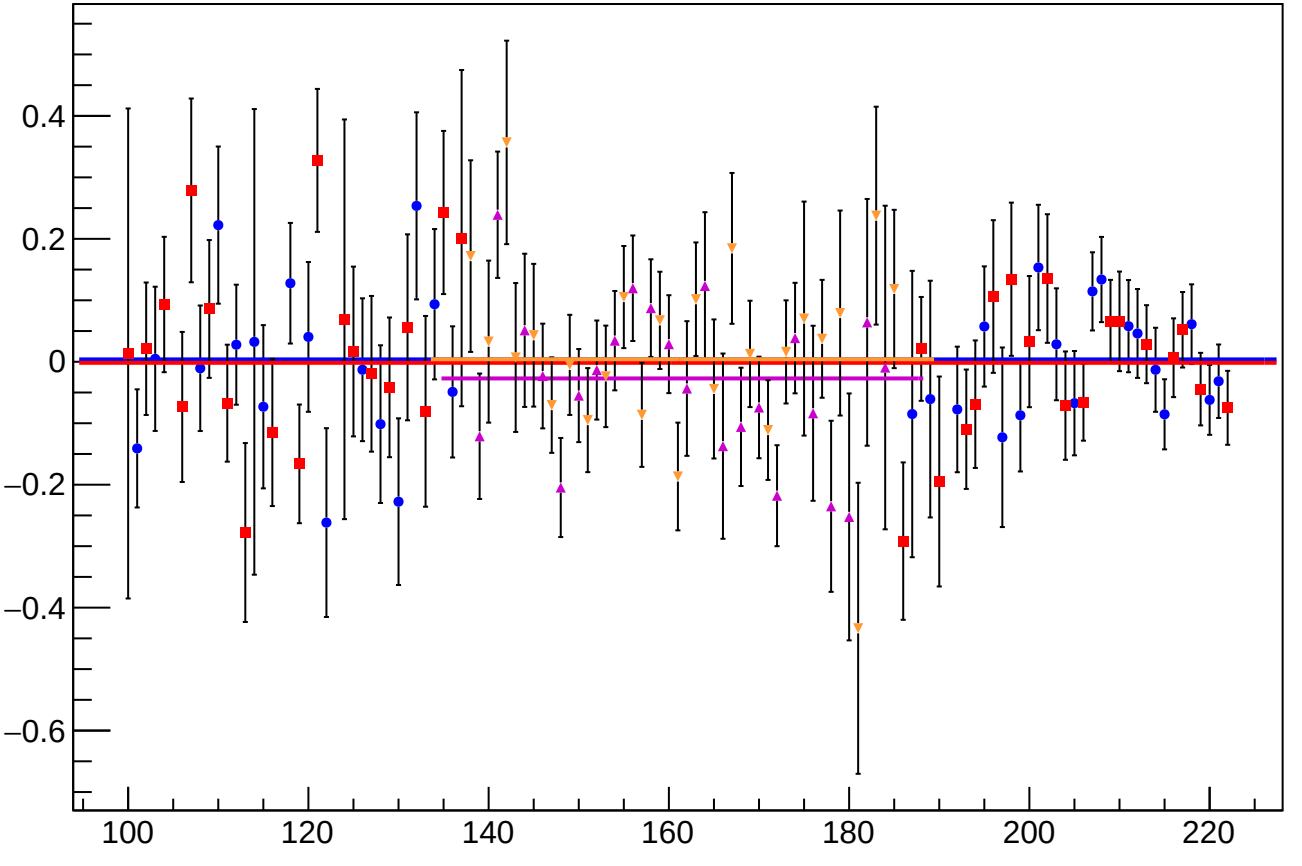
Right: 70.386+/-0.008 χ^2/NDF: 4121145.5/70

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

Out: 75.778+/-0.009 χ^2/NDF:4737868.8/61

All: 75.200+/-0.006 χ^2/NDF: 8857510.0/118

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.016 χ^2/NDF: 44.0/36

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

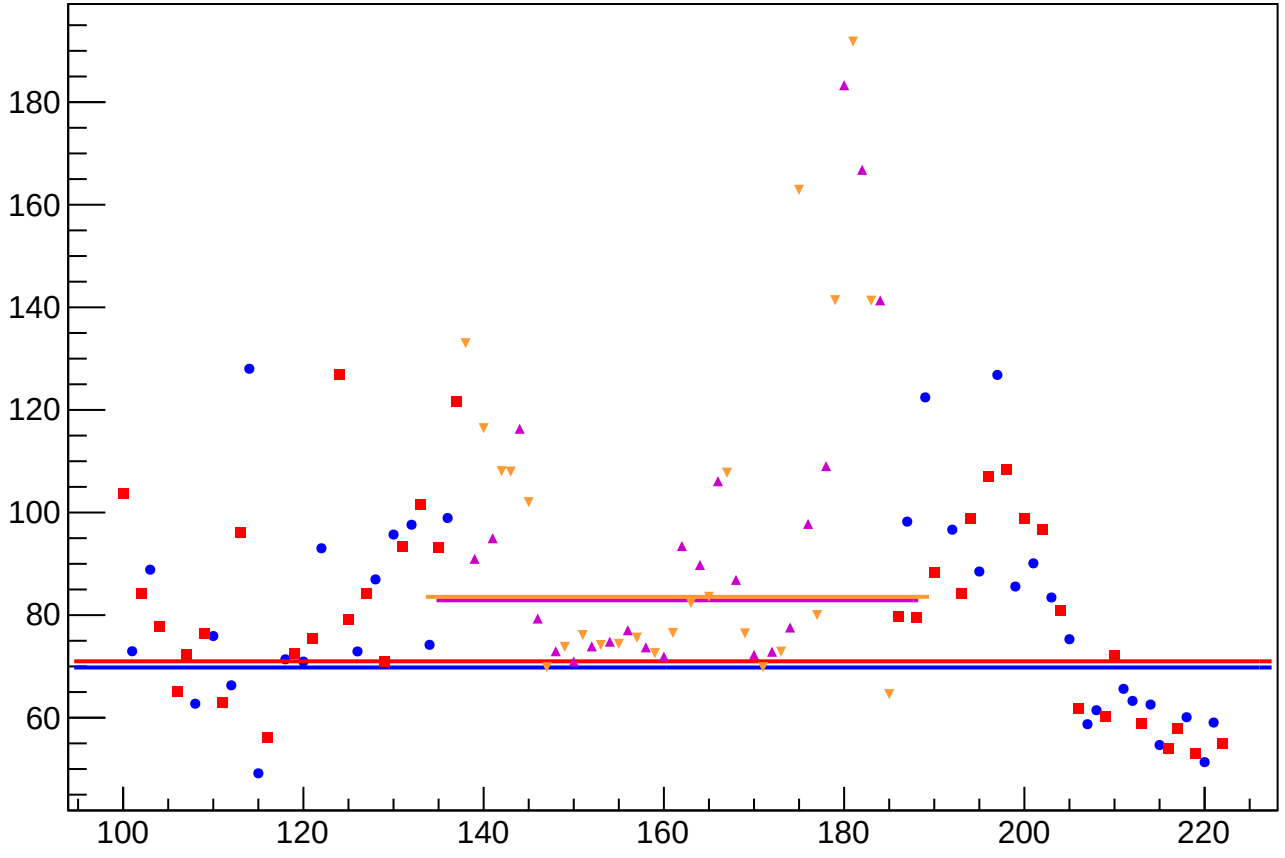
Right: 0.001+/-0.011 χ^2/NDF: 79.7/70

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.001+/-0.013 χ^2/NDF:72.2/61

All: -0.004+/-0.009 χ^2/NDF: 141.5/118

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 70.997+/-0.011 χ^2/NDF: 2090073.1/36

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

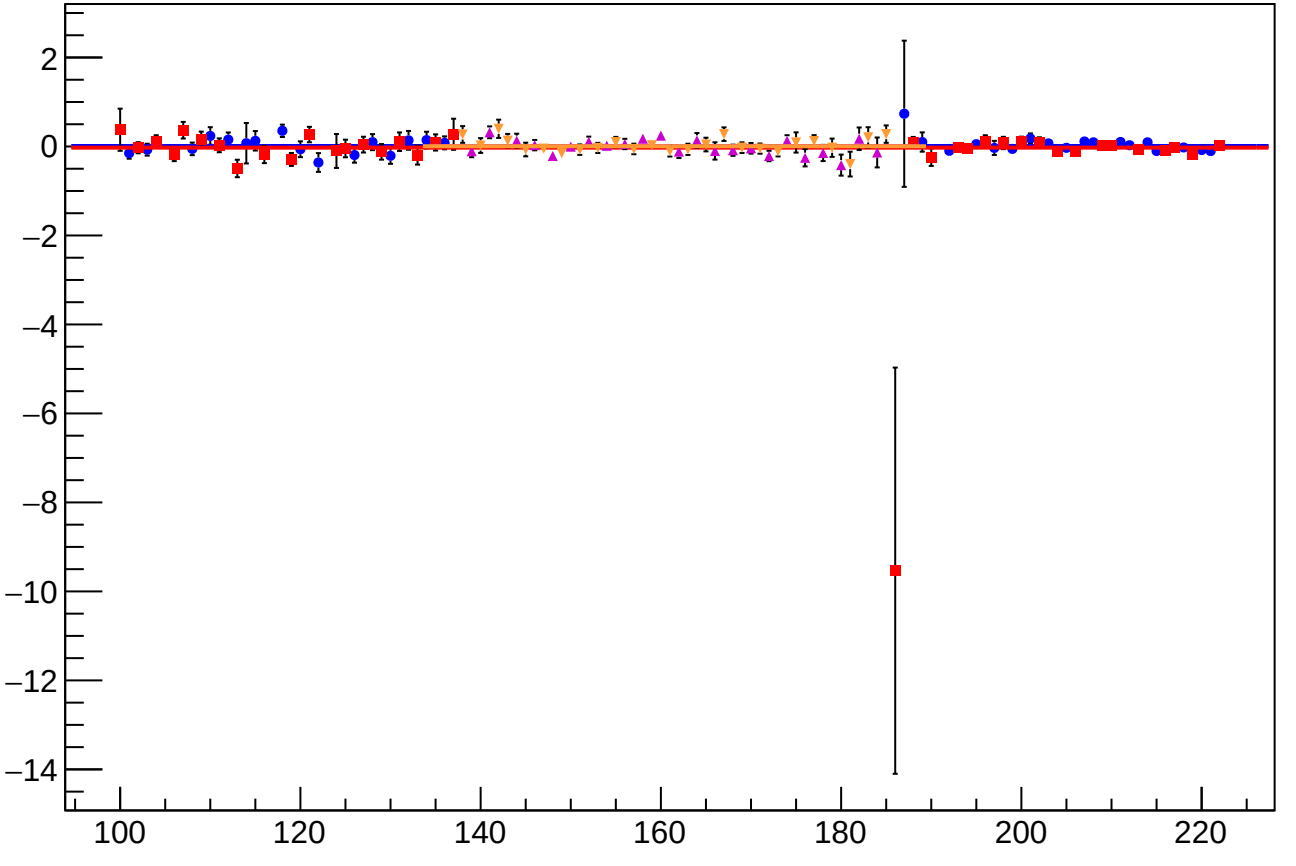
Right: 70.386+/-0.008 χ^2/NDF: 4121145.5/70

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

Out: 75.778+/-0.009 χ^2/NDF:4737868.8/61

All: 75.200+/-0.006 χ^2/NDF: 8857510.0/118

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: -0.026+/-0.021 χ^2/NDF: 40.6/36

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

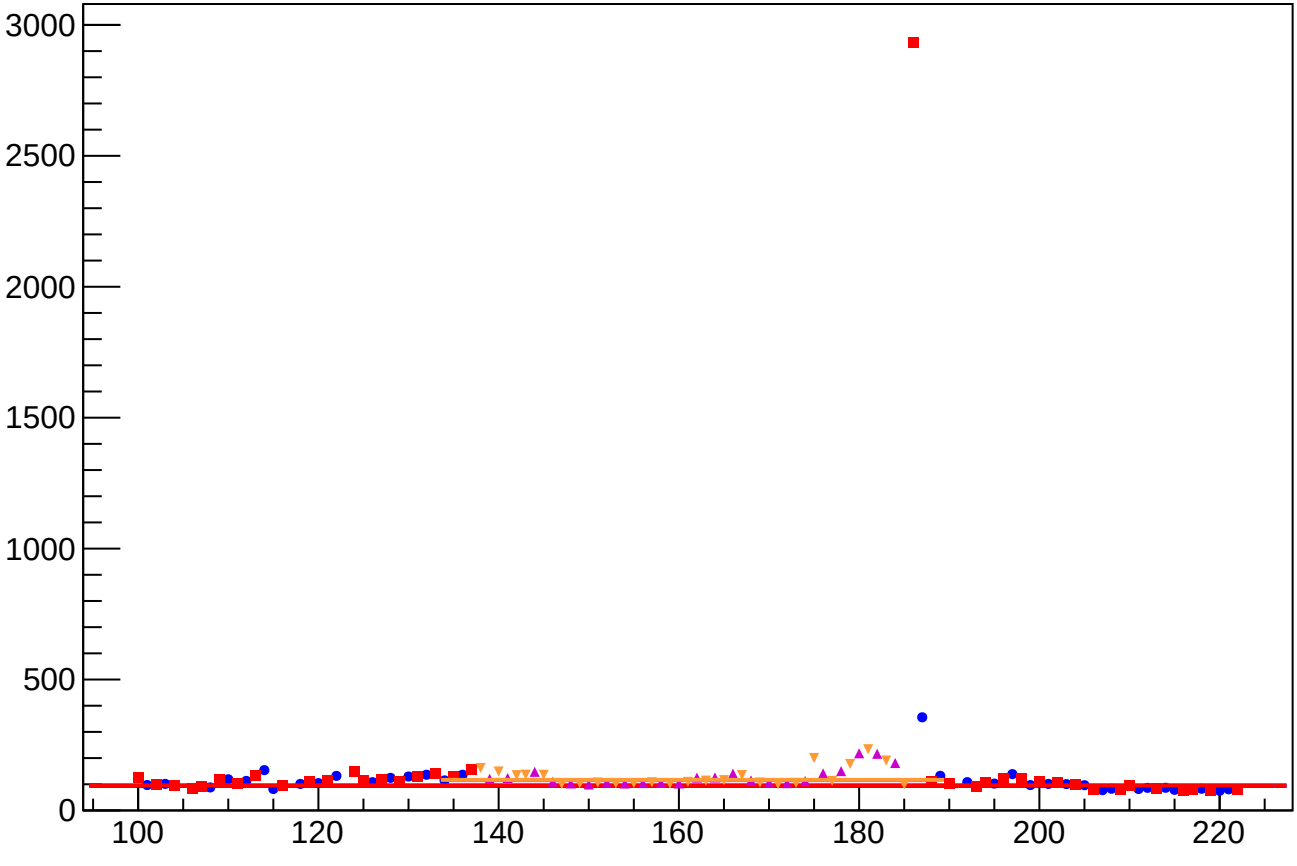
Right: -0.007+/-0.015 χ^2/NDF: 74.1/70

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.014+/-0.017 χ^2/NDF:62.8/61

All: -0.002+/-0.012 χ^2/NDF: 127.1/118

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 94.075+/-0.015 χ^2/NDF: 1371688.3/33

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 95.940+/-0.015 χ^2/NDF: 2060394.8/36

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

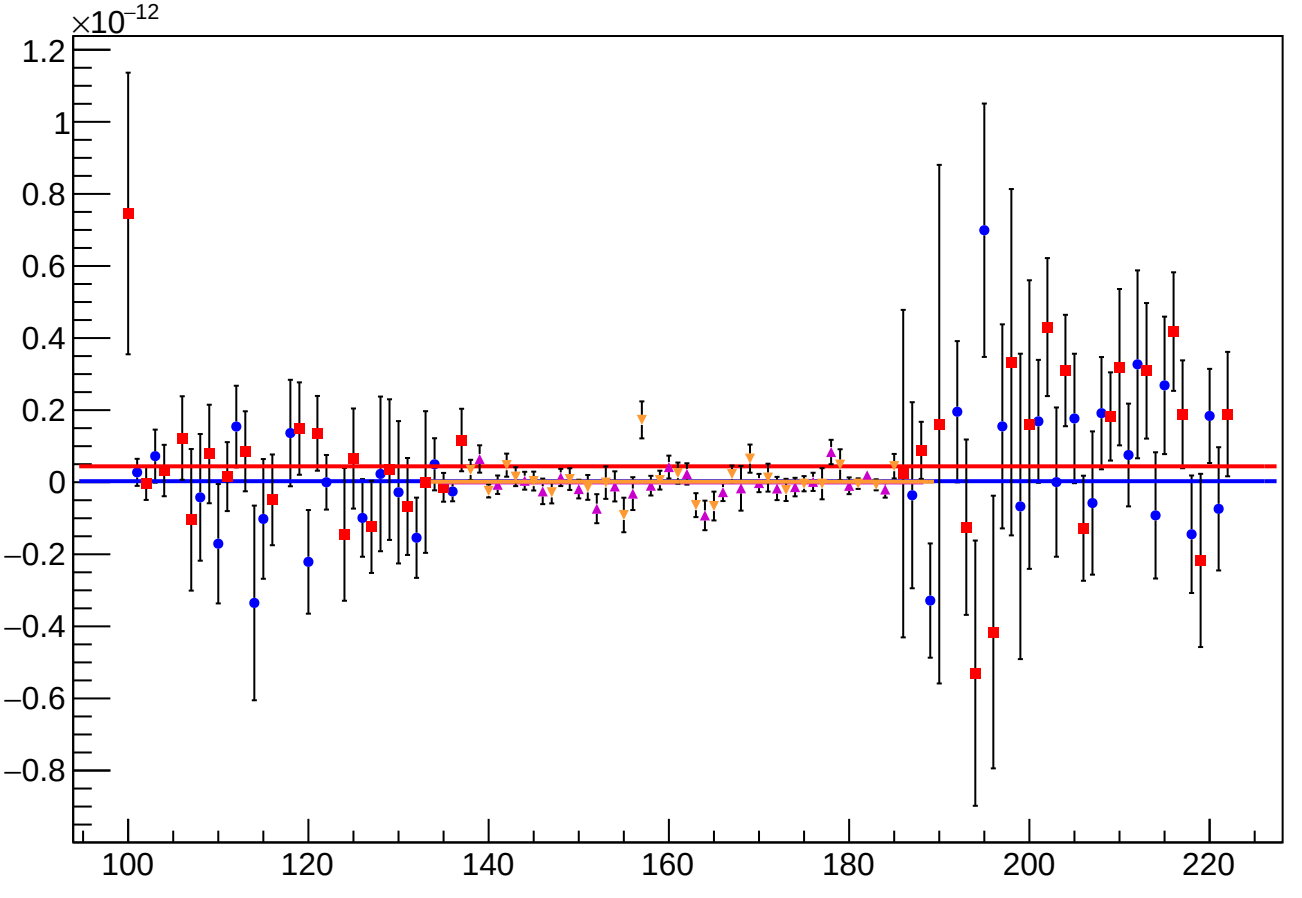
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 94.989+/-0.011 χ^2/NDF: 3439931.8/70

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

Out: 103.682+/-0.012 χ^2/NDF:4374500.6/61

All: 102.726+/-0.008 χ^2/NDF: 7763301.0/118



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.4/36

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

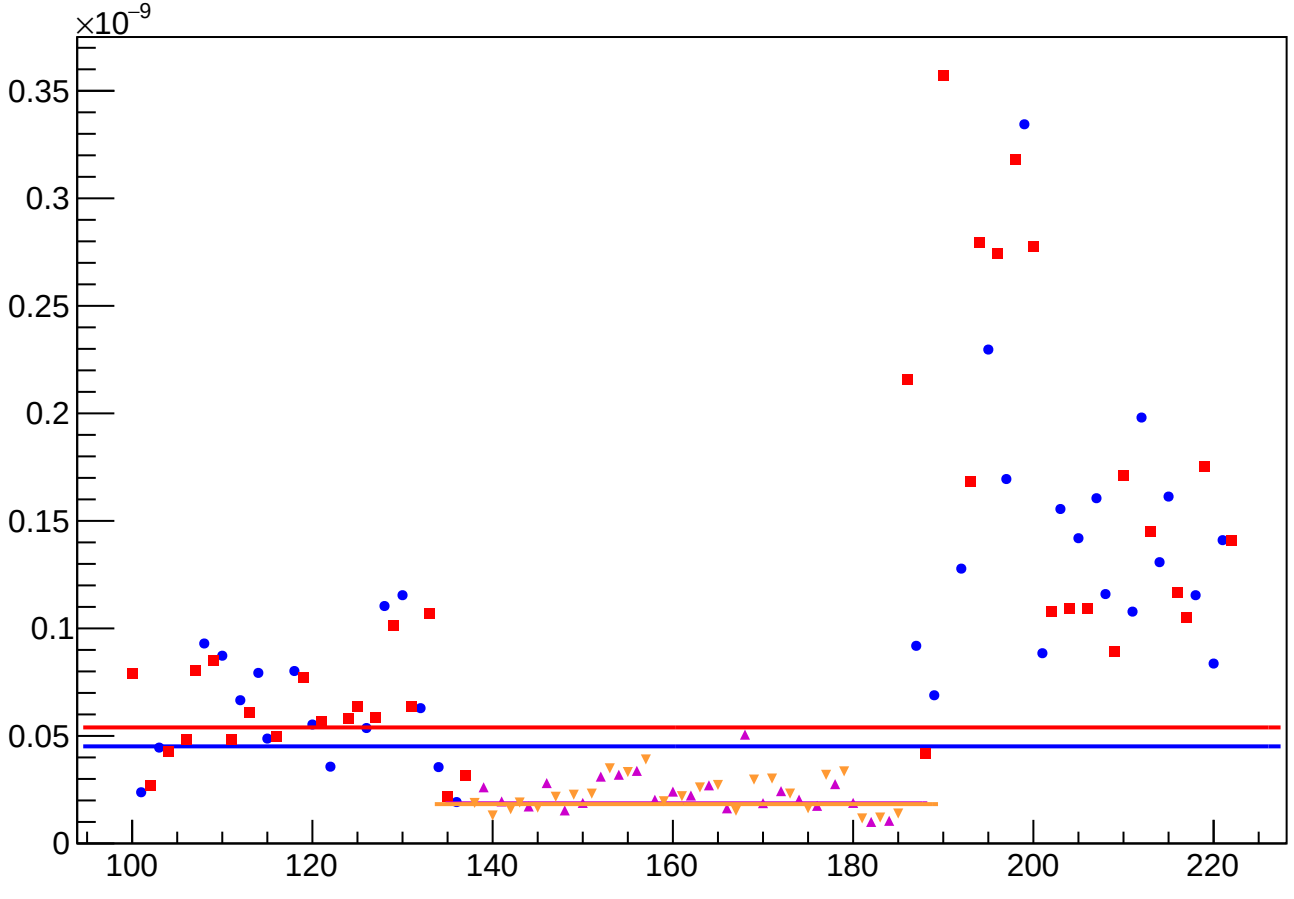
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/70

In: -0.000+/-0.000 χ^2/NDF:60.7/56

Out: 0.000+/-0.000 χ^2/NDF:81.8/61

All: 0.000+/-0.000 χ^2/NDF: 142.9/118



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: 9926517.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

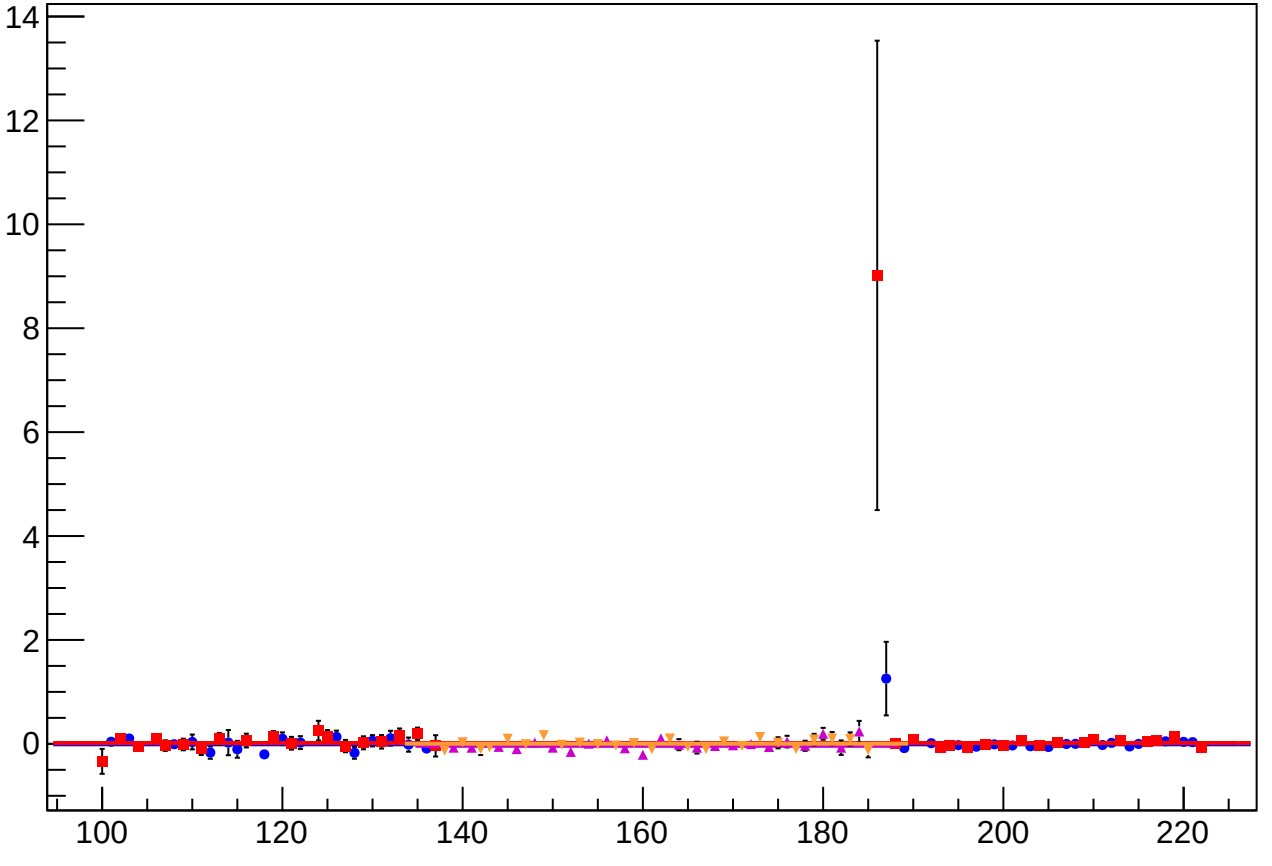
Right: 0.000+/-0.000 χ^2/NDF: 21875006.9/70

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

Out: 0.000+/-0.000 χ^2/NDF:19569933.4/61

All: 0.000+/-0.000 χ^2/NDF: 38745071.5/118

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: 0.016+/-0.011 χ^2/NDF: 49.6/36

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

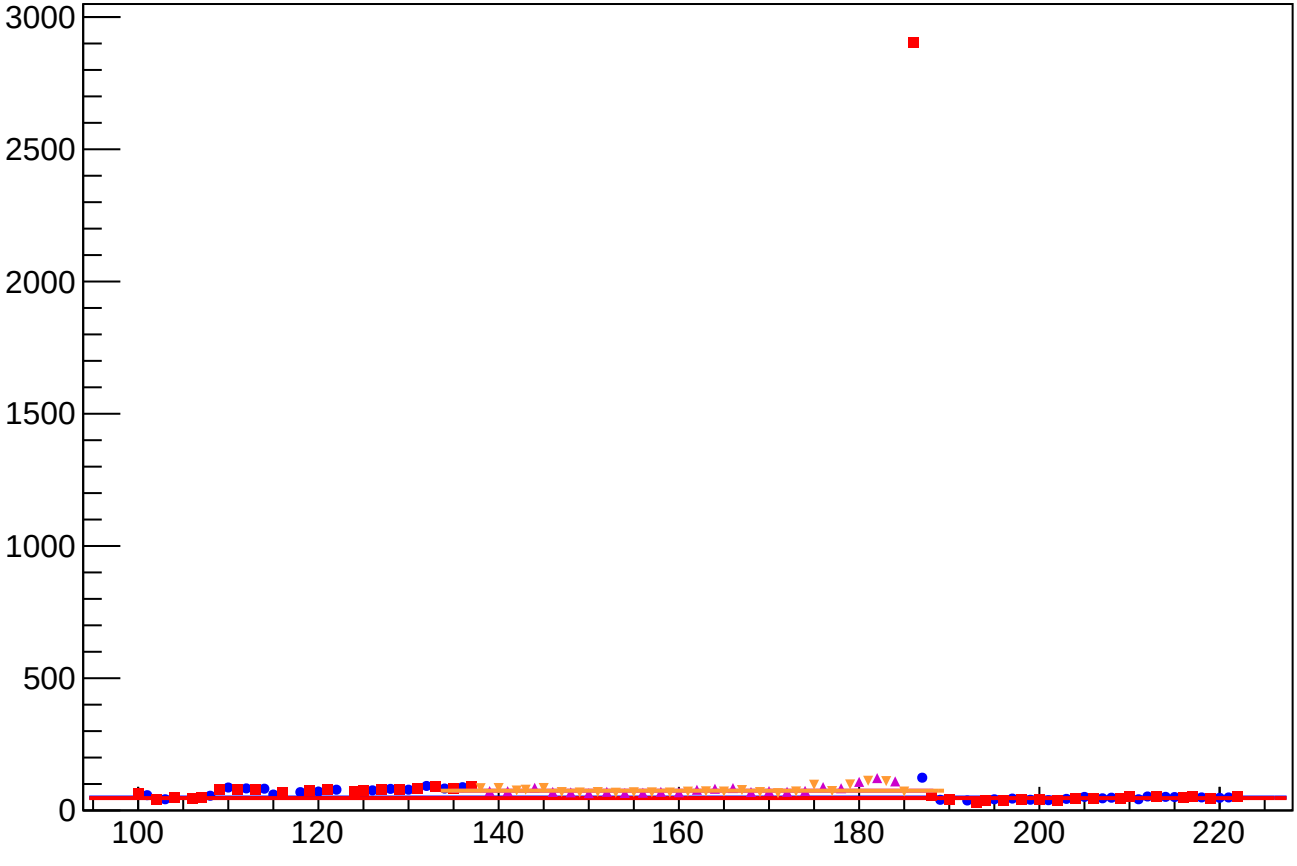
Right: 0.004+/-0.008 χ^2/NDF: 80.1/70

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.013+/-0.009 χ^2/NDF:71.6/61

All: -0.002+/-0.007 χ^2/NDF: 128.1/118

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: 46.738+/-0.008 χ^2/NDF: 3721074.9/36

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

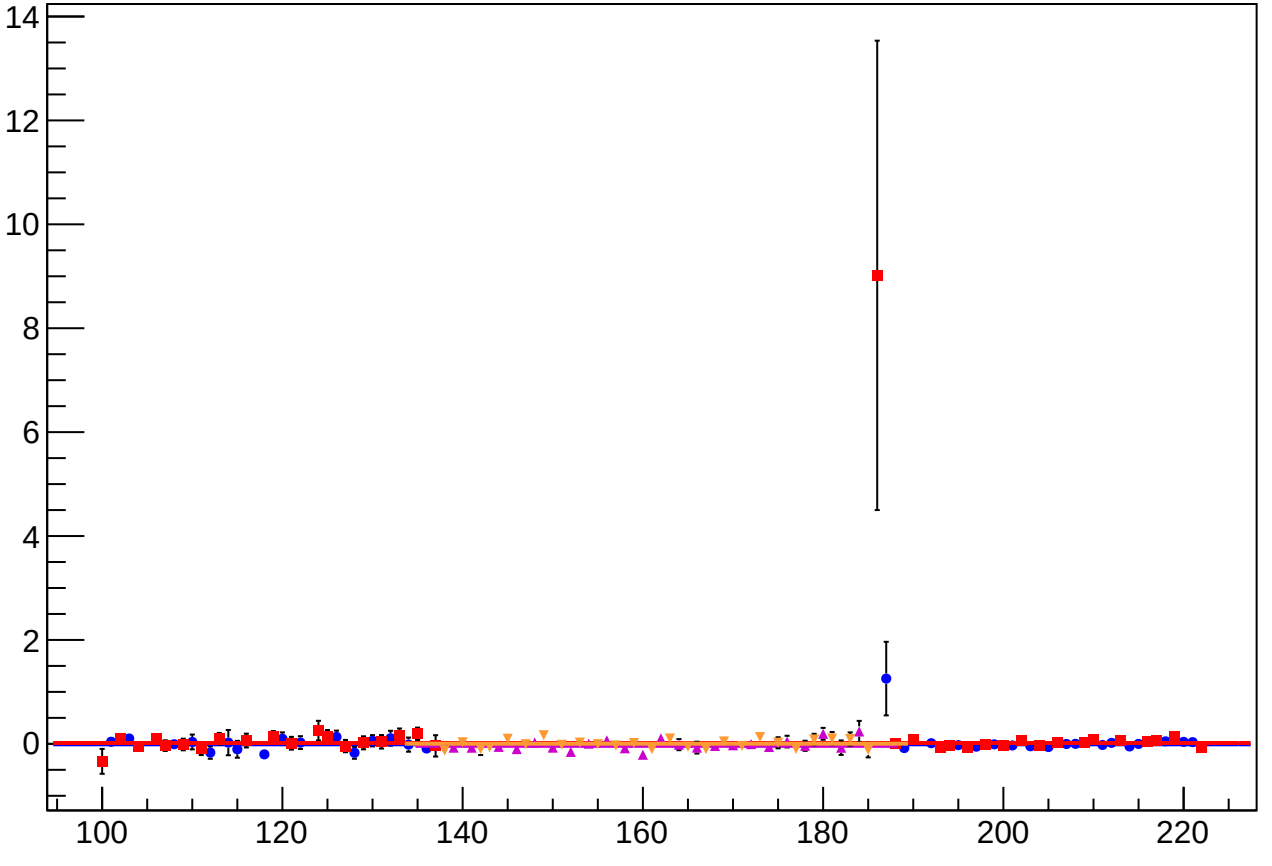
Right: 47.798+/-0.005 χ^2/NDF: 6061425.3/70

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

Out: 54.440+/-0.006 χ^2/NDF:8212289.3/61

All: 55.192+/-0.005 χ^2/NDF: 14247253.1/118

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: 0.016+/-0.011 χ^2/NDF: 49.6/36

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

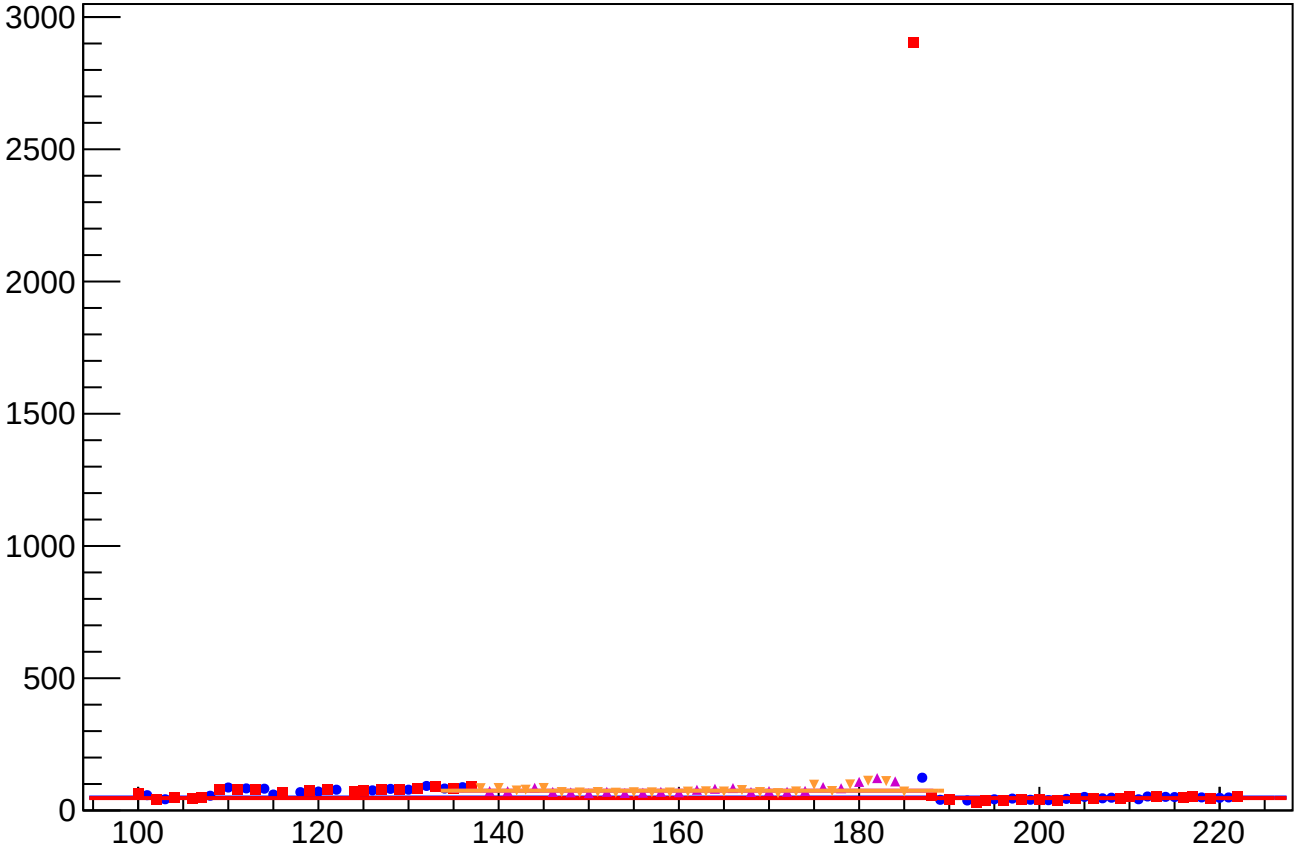
Right: 0.004+/-0.008 χ^2/NDF: 80.1/70

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.013+/-0.009 χ^2/NDF:71.6/61

All: -0.002+/-0.007 χ^2/NDF: 128.1/118

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: 46.738+/-0.008 χ^2/NDF: 3721074.9/36

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

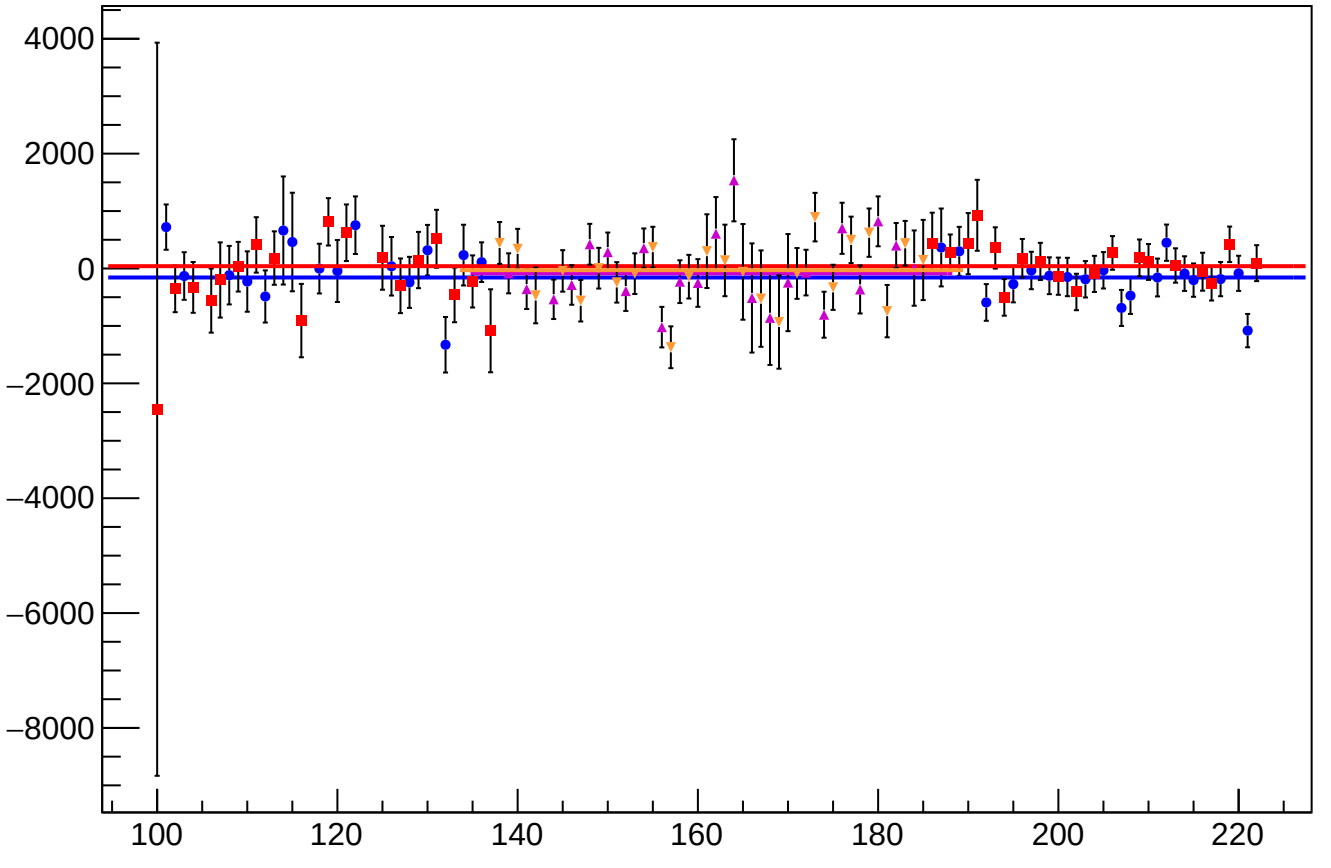
Right: 47.798+/-0.005 χ^2/NDF: 6061425.3/70

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

Out: 54.440+/-0.006 χ^2/NDF:8212289.3/61

All: 55.192+/-0.005 χ^2/NDF: 14247253.1/118

asym_dsl_mean vs Slug, Sign Corrected



Right In: -156.603+/-64.352 χ^2/NDF: 40.4/33

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 40.265+/-64.585 χ^2/NDF: 30.0/36

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

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

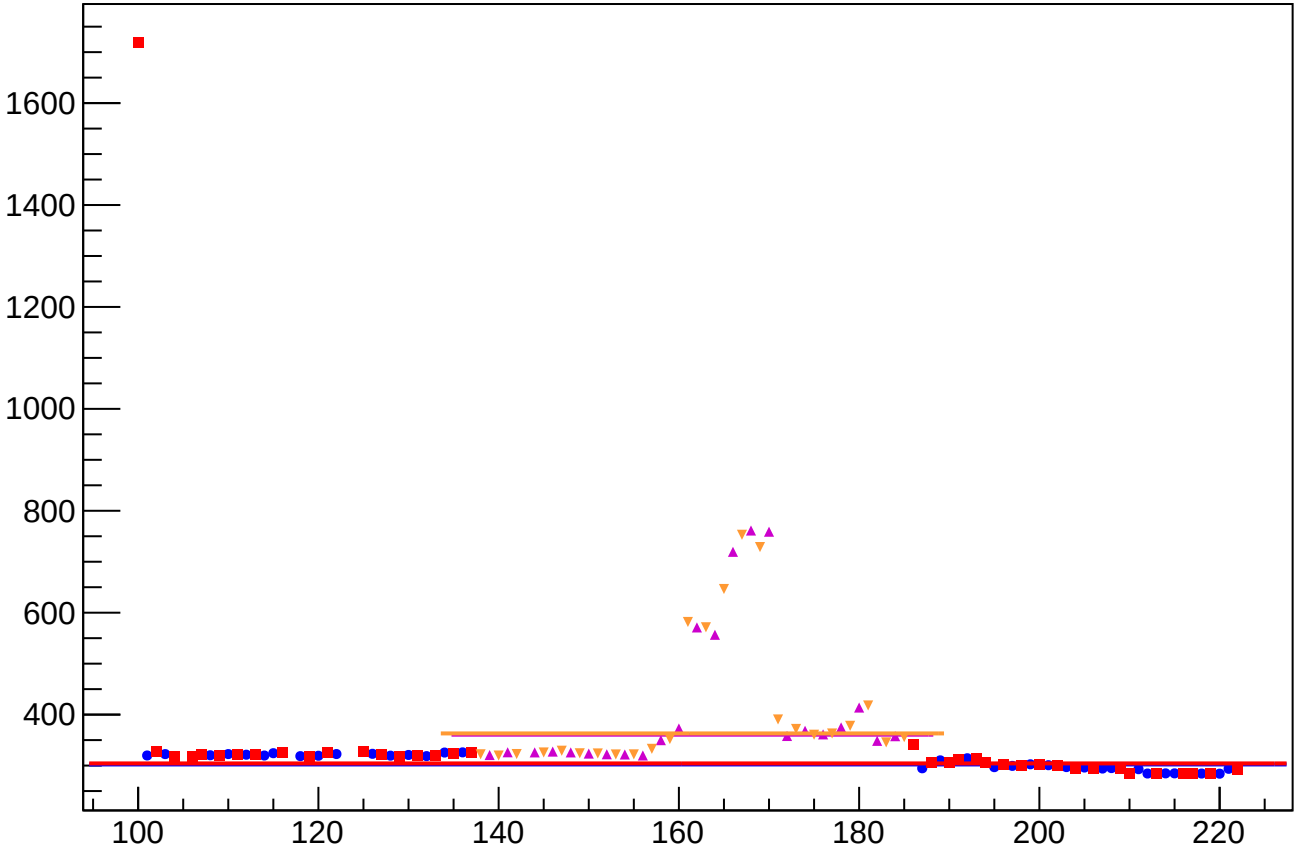
Right: -58.525+/-45.586 χ^2/NDF: 75.1/70

In: -130.627+/-51.626 χ^2/NDF:76.7/56

Out: 15.360+/-51.757 χ^2/NDF:66.9/60

All: -57.820+/-36.551 χ^2/NDF: 147.6/117

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: 304.232+/-0.046 χ^2/NDF: 206099.5/36

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

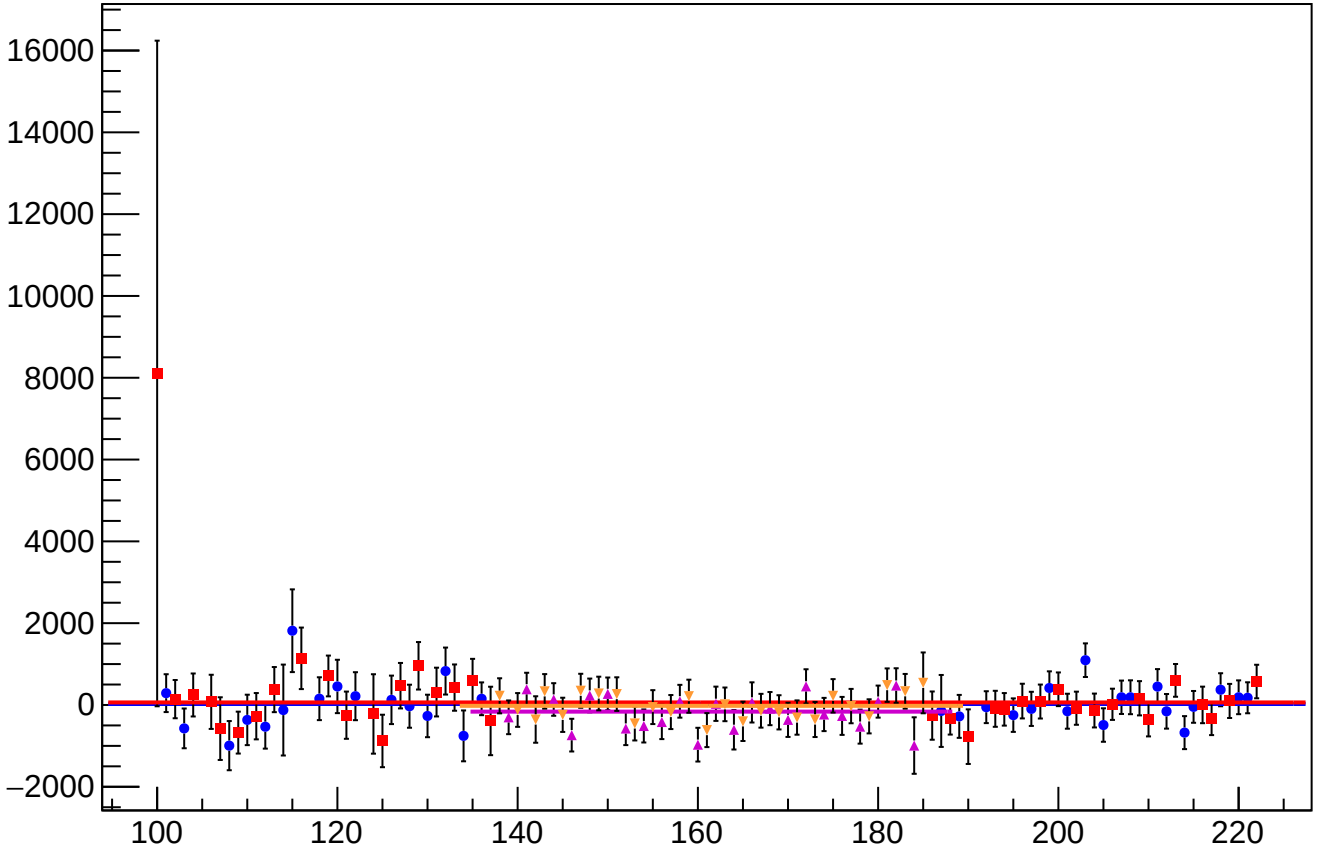
Right: 303.203+/-0.032 χ^2/NDF: 306746.7/70

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

Out: 325.286+/-0.037 χ^2/NDF:2595735.5/60

All: 324.139+/-0.026 χ^2/NDF: 5102149.6/117

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: 62.066+/-81.217 χ^2/NDF: 25.2/36

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

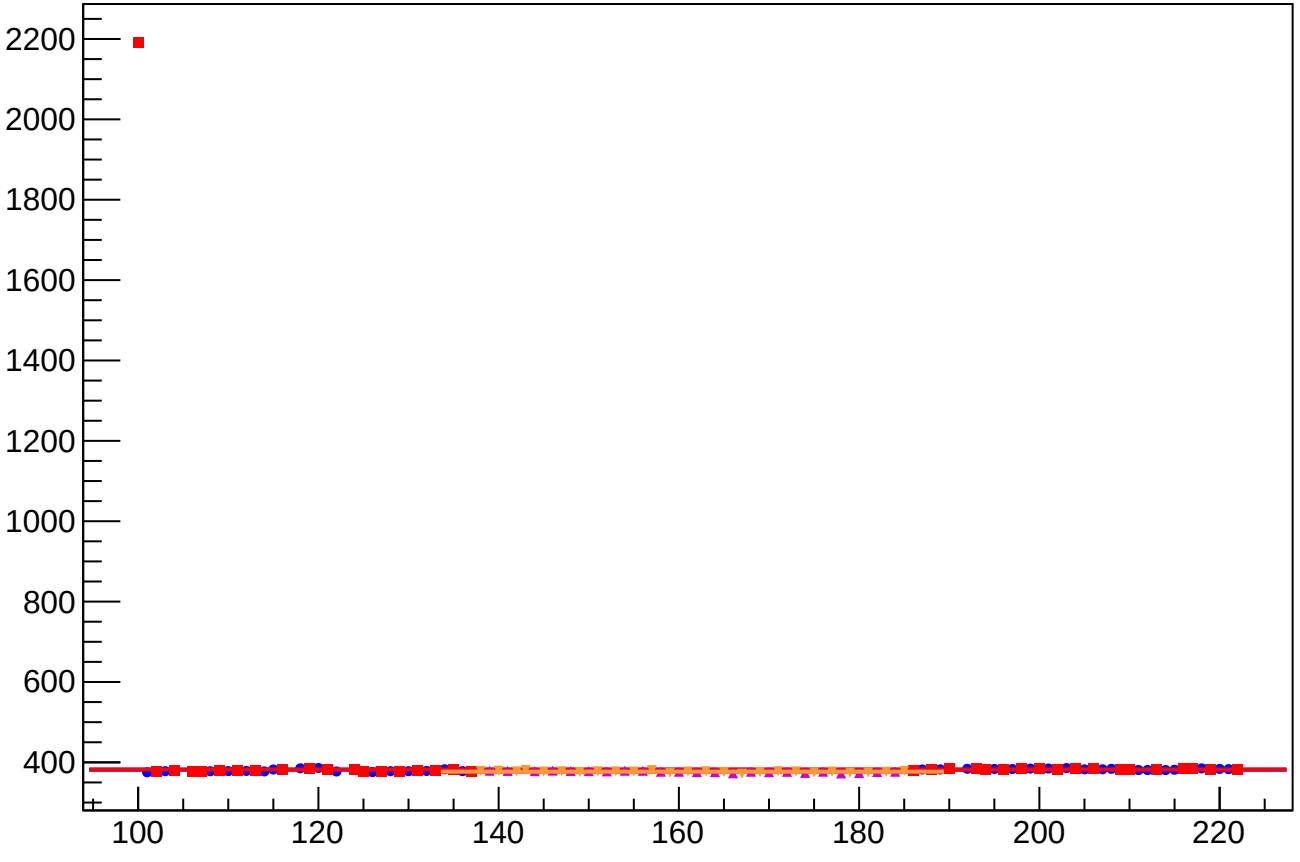
Right: 43.014+/-57.421 χ^2/NDF: 55.3/70

In: -62.009+/-59.671 χ^2/NDF:54.1/56

Out: 22.695+/-58.924 χ^2/NDF:38.3/61

All: -19.124+/-41.927 χ^2/NDF: 93.5/118

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: 382.232+/-0.057 χ^2/NDF: 100833.5/36

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

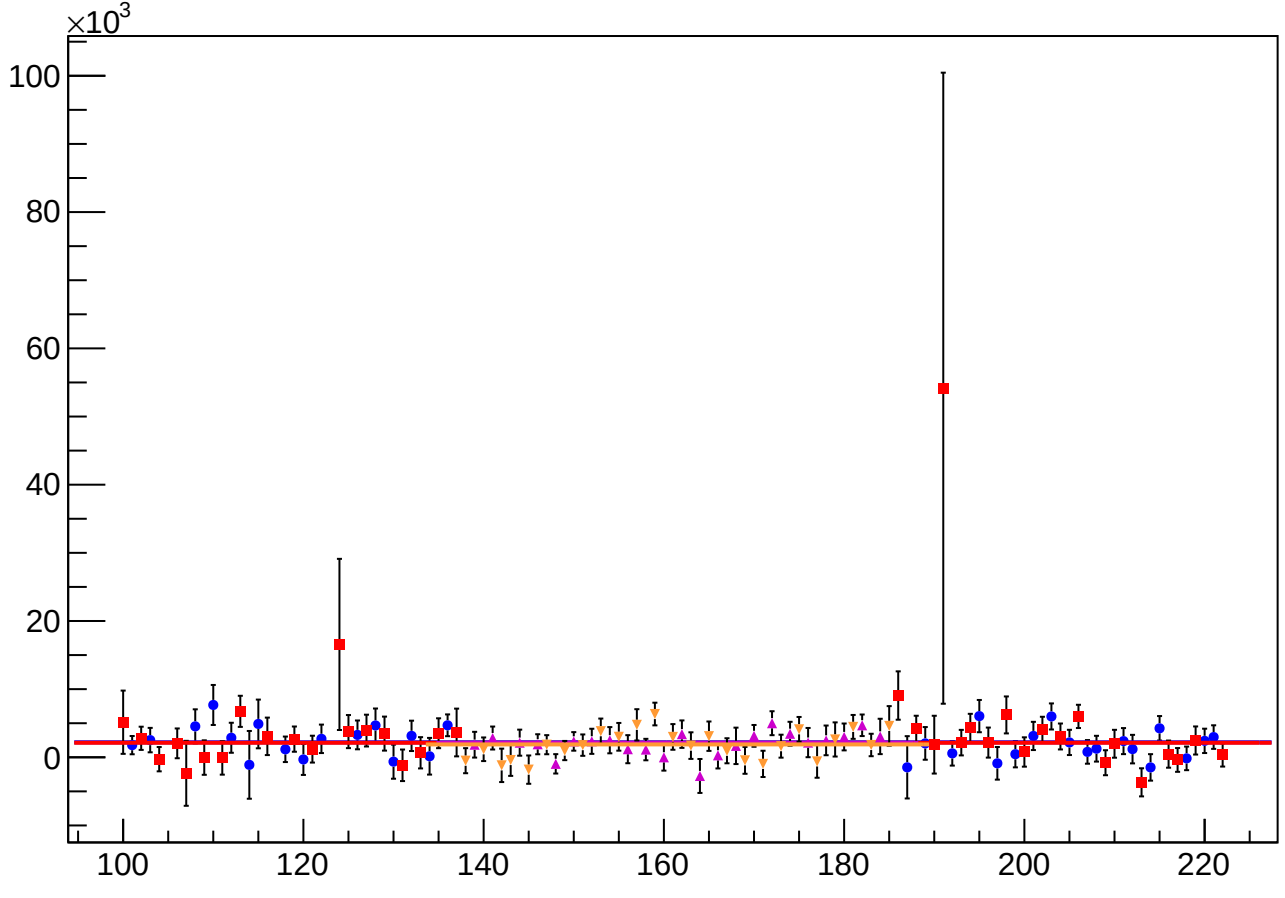
Right: 381.988+/-0.041 χ^2/NDF: 103345.2/70

In: 379.491+/-0.042 χ^2/NDF:6896.0/56

Out: 379.709+/-0.042 χ^2/NDF:105965.8/61

All: 379.602+/-0.030 χ^2/NDF: 112875.4/118

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: 2131.976+/-361.394 χ^2/NDF: 45.8/37

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

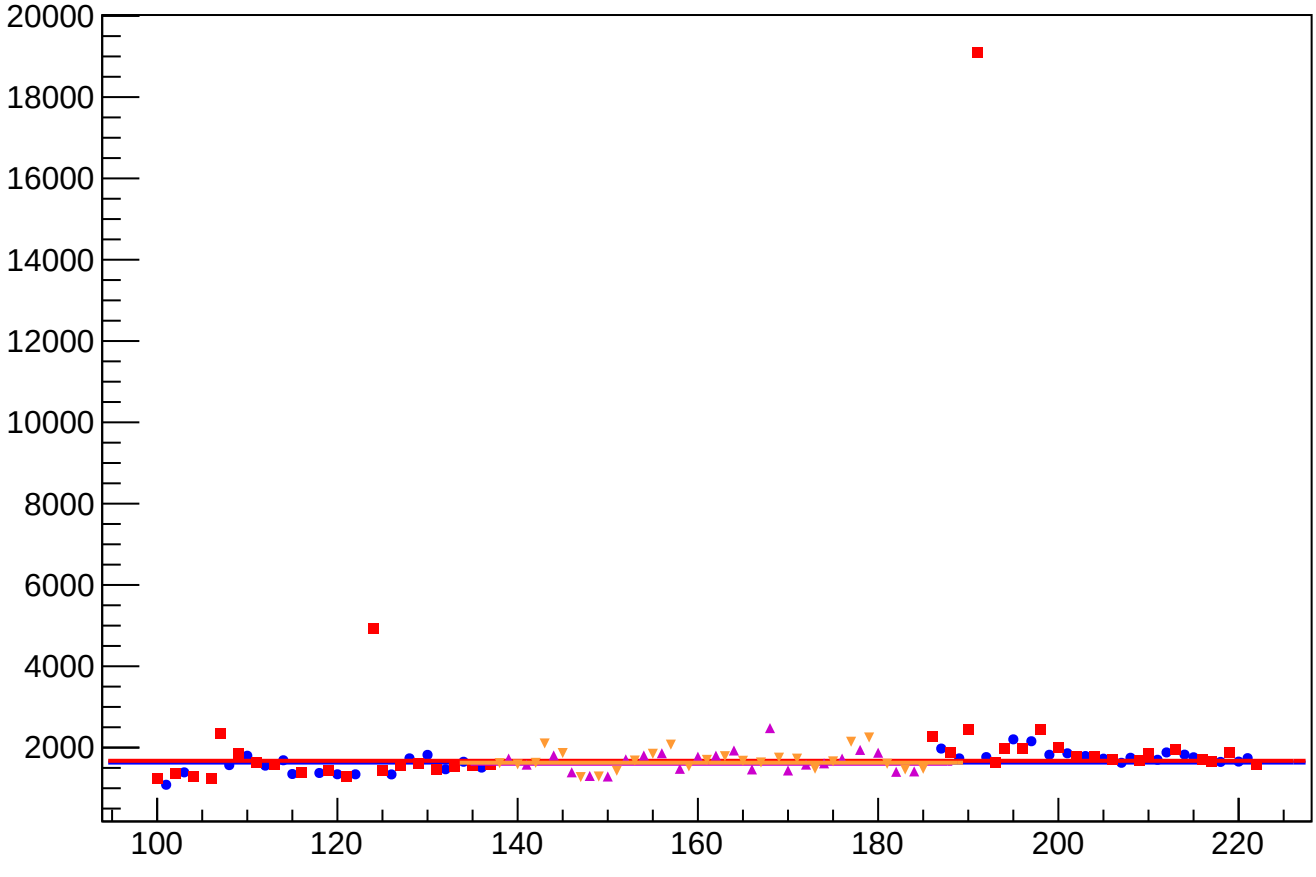
Right: 2167.732+/-252.119 χ^2/NDF: 77.6/71

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

Out: 2016.129+/-260.318 χ^2/NDF:74.4/62

All: 2087.270+/-183.210 χ^2/NDF: 124.9/119

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: 1675.331+/-0.256 χ^2/NDF: 1447435.0/37

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

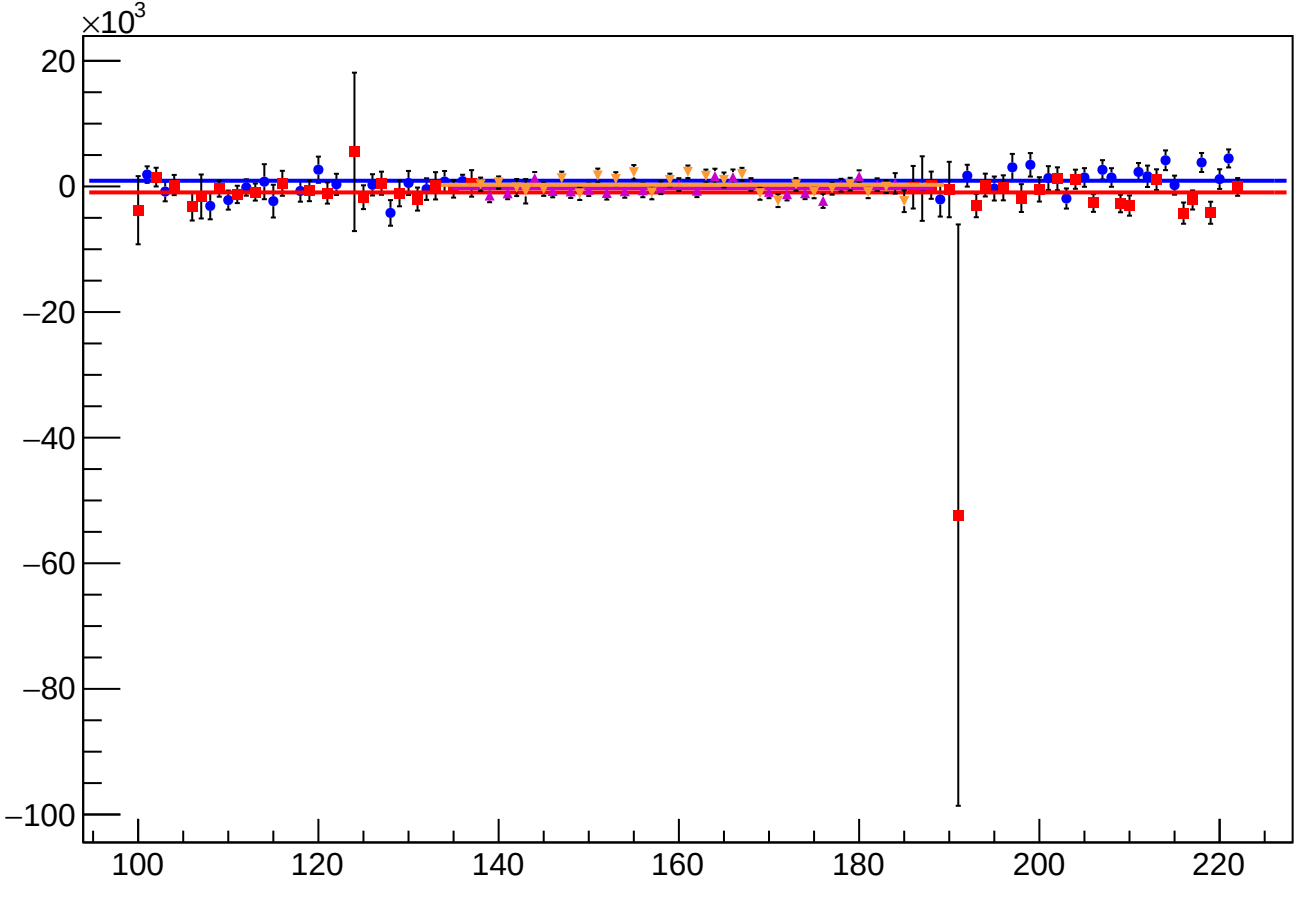
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1652.620+/-0.178 χ^2/NDF: 2417591.0/71

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

Out: 1652.788+/-0.184 χ^2/NDF:2242703.0/62

All: 1634.923+/-0.130 χ^2/NDF: 4016405.2/11



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: -951.856+/-292.519 χ^2/NDF: 29.1/37

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

Right: -0.692+/-204.443 χ^2/NDF: 95.1/71

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -163.403+/-173.220 χ^2/NDF:74.2/62

All: 0.389+/-122.472 χ^2/NDF: 153.4/119

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: 1337.163+/-0.207 χ^2/NDF: 2774354.8/37

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

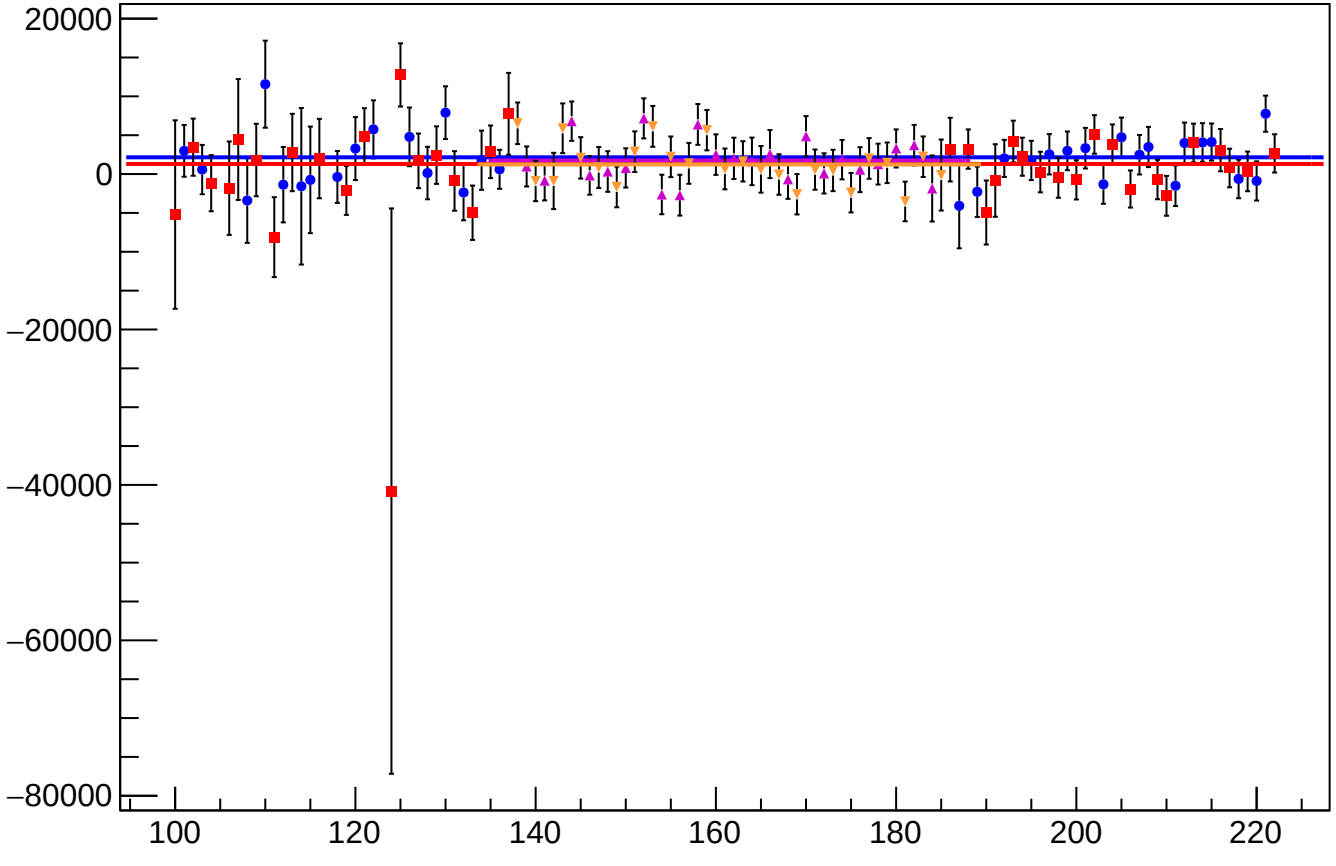
Right: 1324.945+/-0.145 χ^2/NDF: 4613038.5/71

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

Out: 1079.928+/-0.122 χ^2/NDF:5573903.5/62

All: 1075.801+/-0.087 χ^2/NDF: 9714285.6/11

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: 1301.171+/-520.470 χ^2/NDF: 38.2/37

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

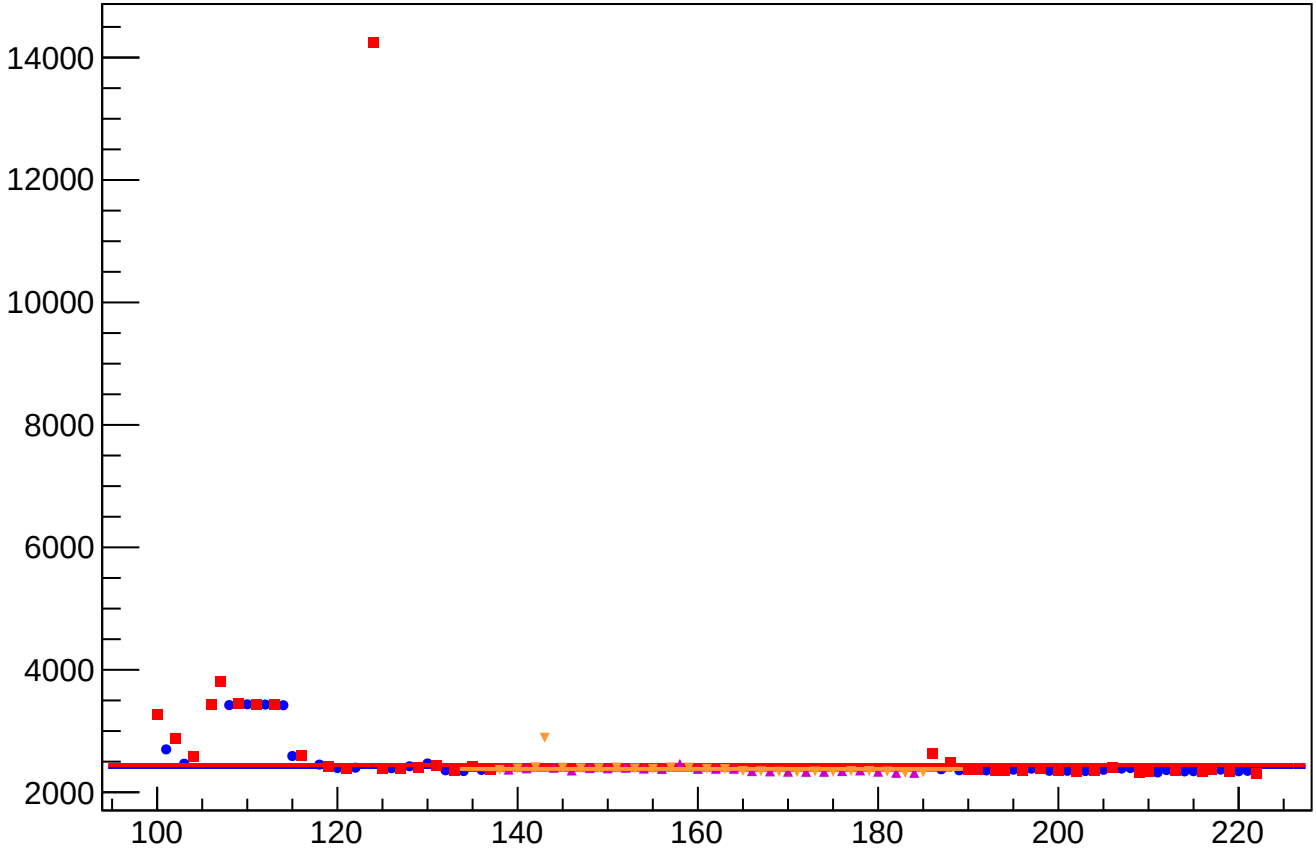
Right: 1733.148+/-366.048 χ^2/NDF: 70.9/71

In: 1963.689+/-376.925 χ^2/NDF:56.0/56

Out: 1269.252+/-375.172 χ^2/NDF:62.0/62

All: 1614.852+/-265.904 χ^2/NDF: 119.8/119

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2413.028+/-0.364 χ^2/NDF: 281090.4/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.527+/-0.368 χ^2/NDF: 667338.4/37

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

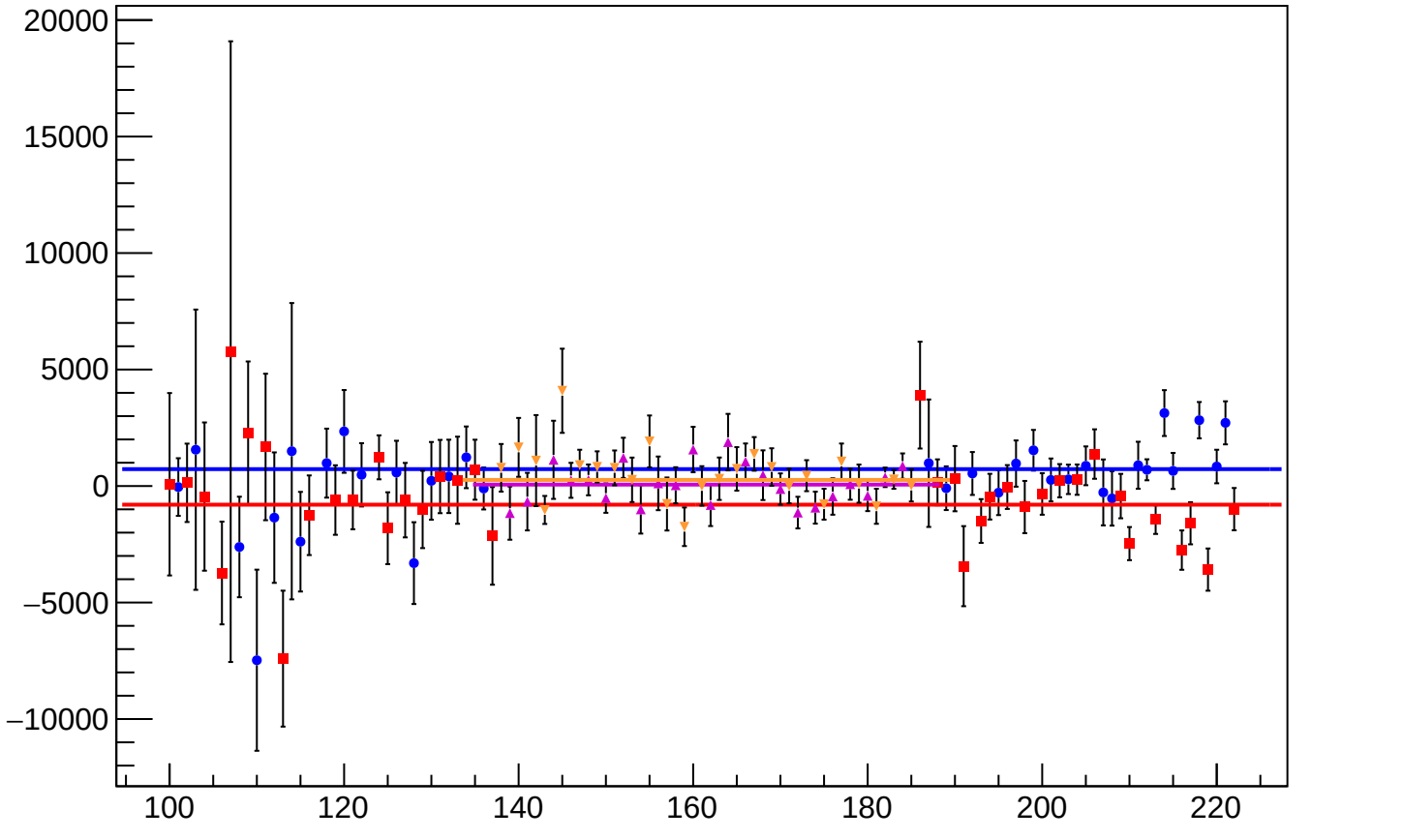
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.103+/-0.259 χ^2/NDF: 952369.5/71

In: 2392.771+/-0.267 χ^2/NDF:294793.6/56

Out: 2414.641+/-0.265 χ^2/NDF:739622.0/62

All: 2403.757+/-0.188 χ^2/NDF: 1037798.0/11



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: -800.548+/-183.441 χ^2/NDF: 58.2/37

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

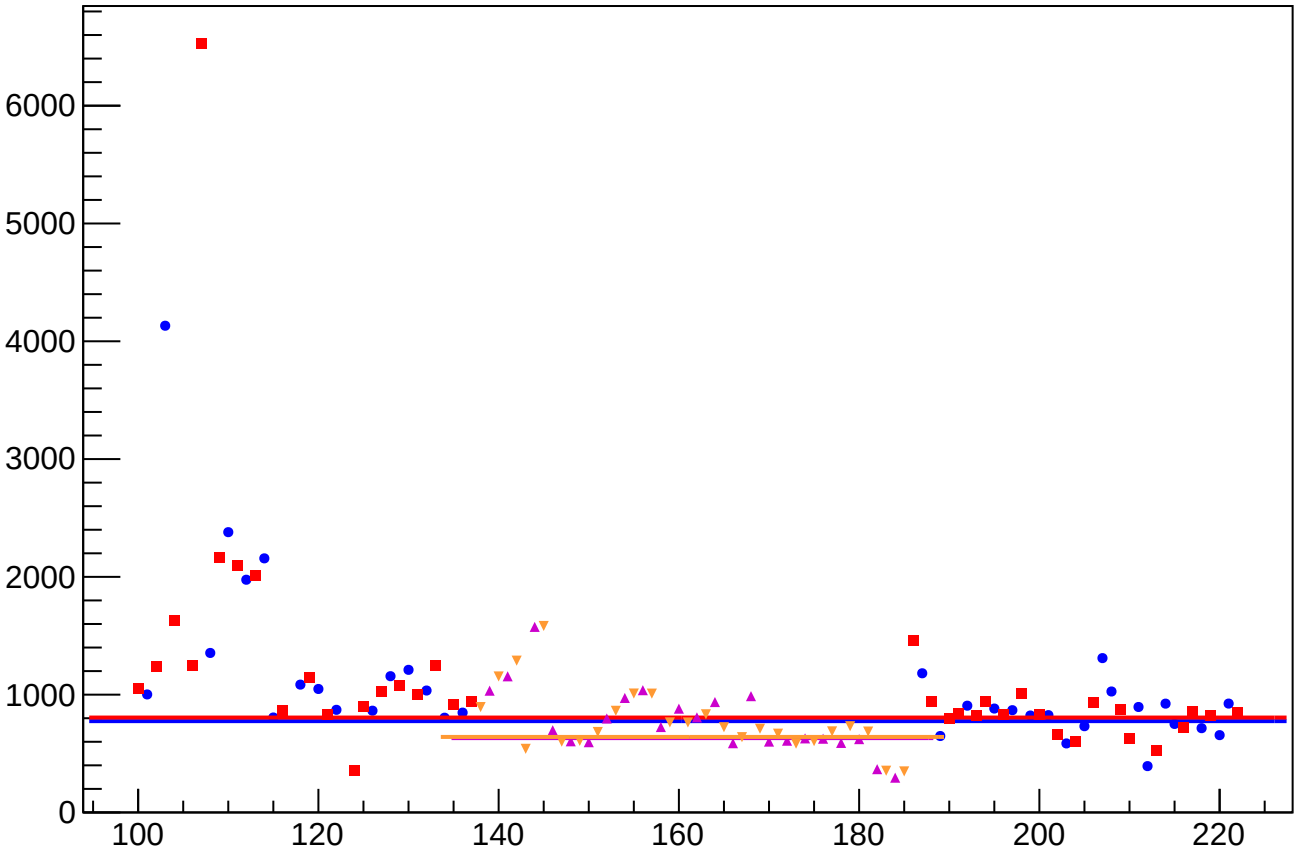
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -13.322+/-127.666 χ^2/NDF: 134.3/71

In: 353.779+/-117.847 χ^2/NDF:70.3/56

Out: -177.372+/-117.951 χ^2/NDF:108.9/62

All: 88.438+/-83.367 χ^2/NDF: 189.3/119



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: 805.725+/-0.130 χ^2/NDF: 3814906.1/37

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

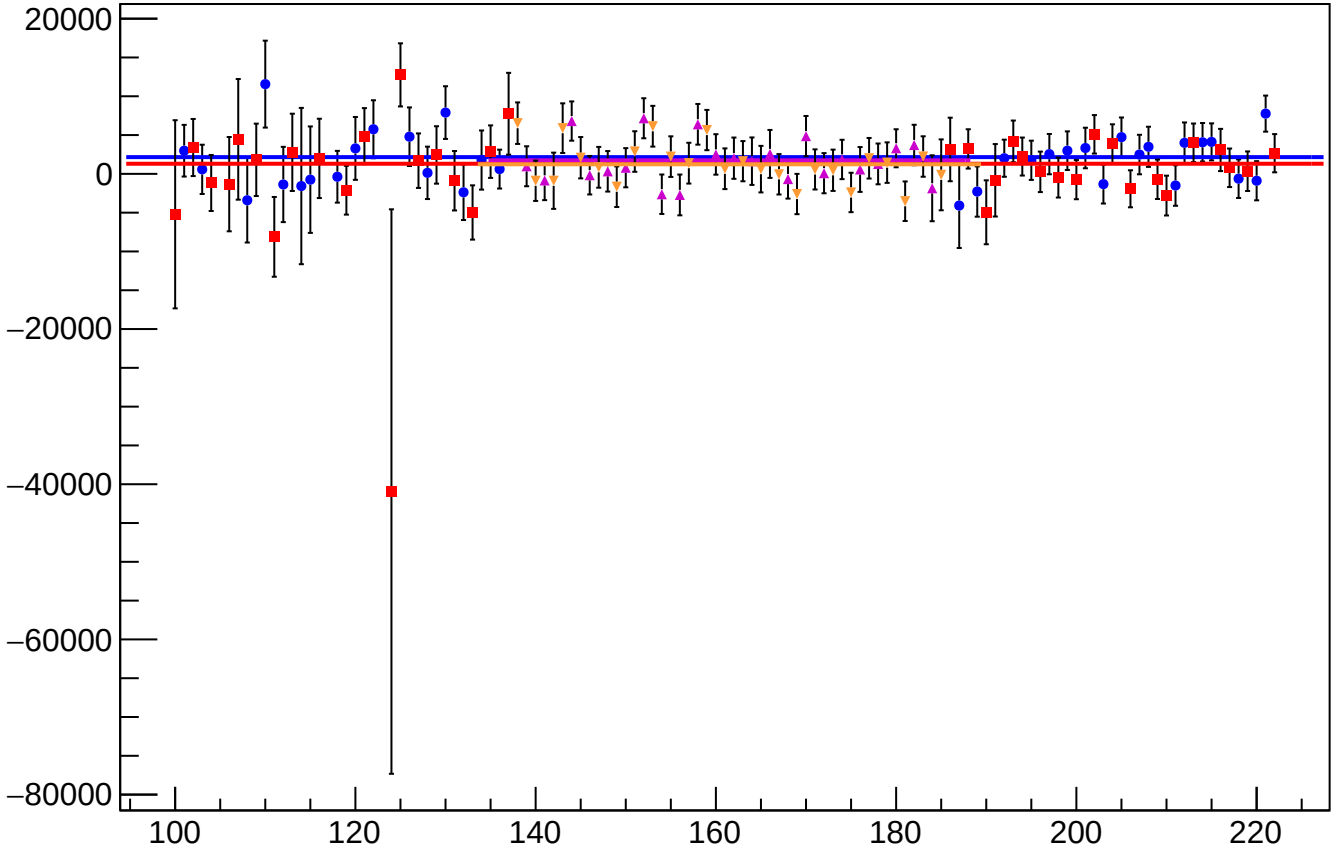
Right: 789.989+/-0.090 χ^2/NDF: 8299947.8/71

In: 694.474+/-0.083 χ^2/NDF:9167611.9/56

Out: 709.196+/-0.083 χ^2/NDF:8233926.0/62

All: 701.829+/-0.059 χ^2/NDF: 17417129.2/11

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: 1303.867+/-520.515 χ^2/NDF: 38.1/37

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

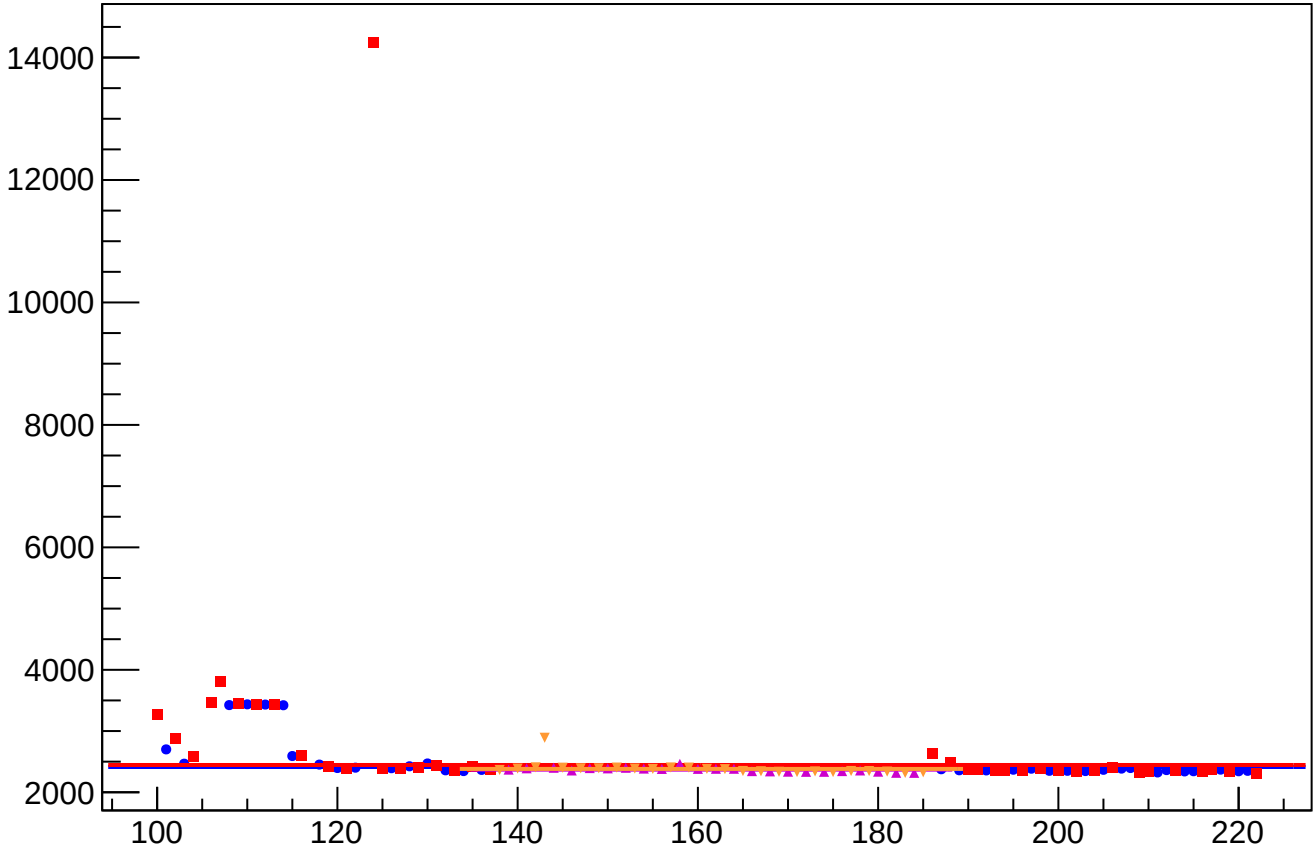
Right: 1734.595+/-366.063 χ^2/NDF: 70.8/71

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1270.639+/-375.189 χ^2/NDF:61.9/62

All: 1615.618+/-265.910 χ^2/NDF: 119.7/119

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.648+/-0.368 χ^2/NDF: 670328.8/37

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

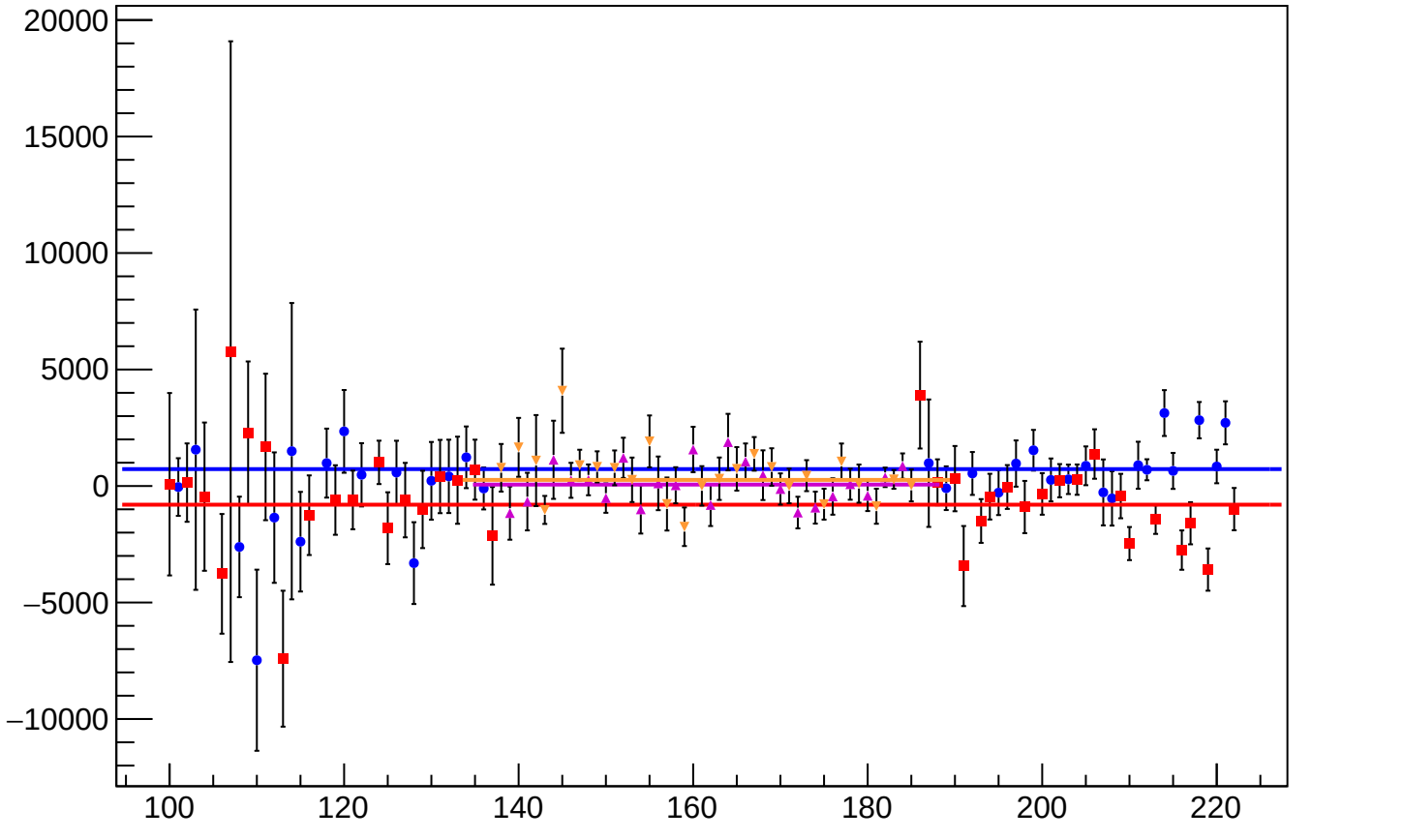
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.162+/-0.259 χ^2/NDF: 955388.9/71

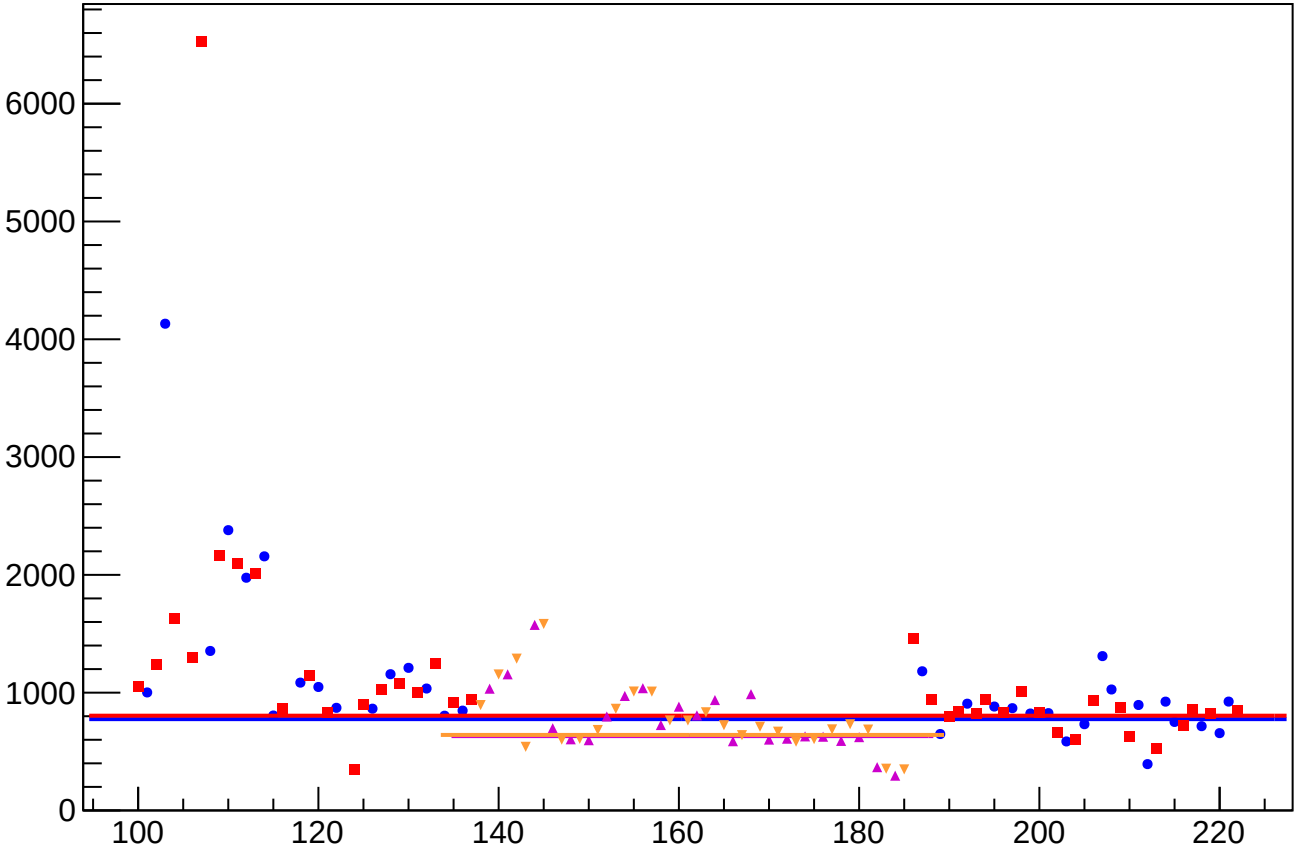
In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2414.701+/-0.265 χ^2/NDF:742666.4/62

All: 2403.787+/-0.188 χ^2/NDF: 1040860.9/11


asym_atl1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 726.074+/-177.787 χ²/NDF: 40.4/33
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -801.541+/-183.514 χ²/NDF: 56.9/37
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: -13.525+/-127.691 χ²/NDF: 133.1/71
In: 353.768+/-117.847 χ²/NDF:70.2/56
Out: -177.420+/-117.972 χ²/NDF:107.7/62
All: 88.454+/-83.375 χ²/NDF: 188.1/119

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: 804.521+/-0.130 χ^2/NDF: 3829205.7/37

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

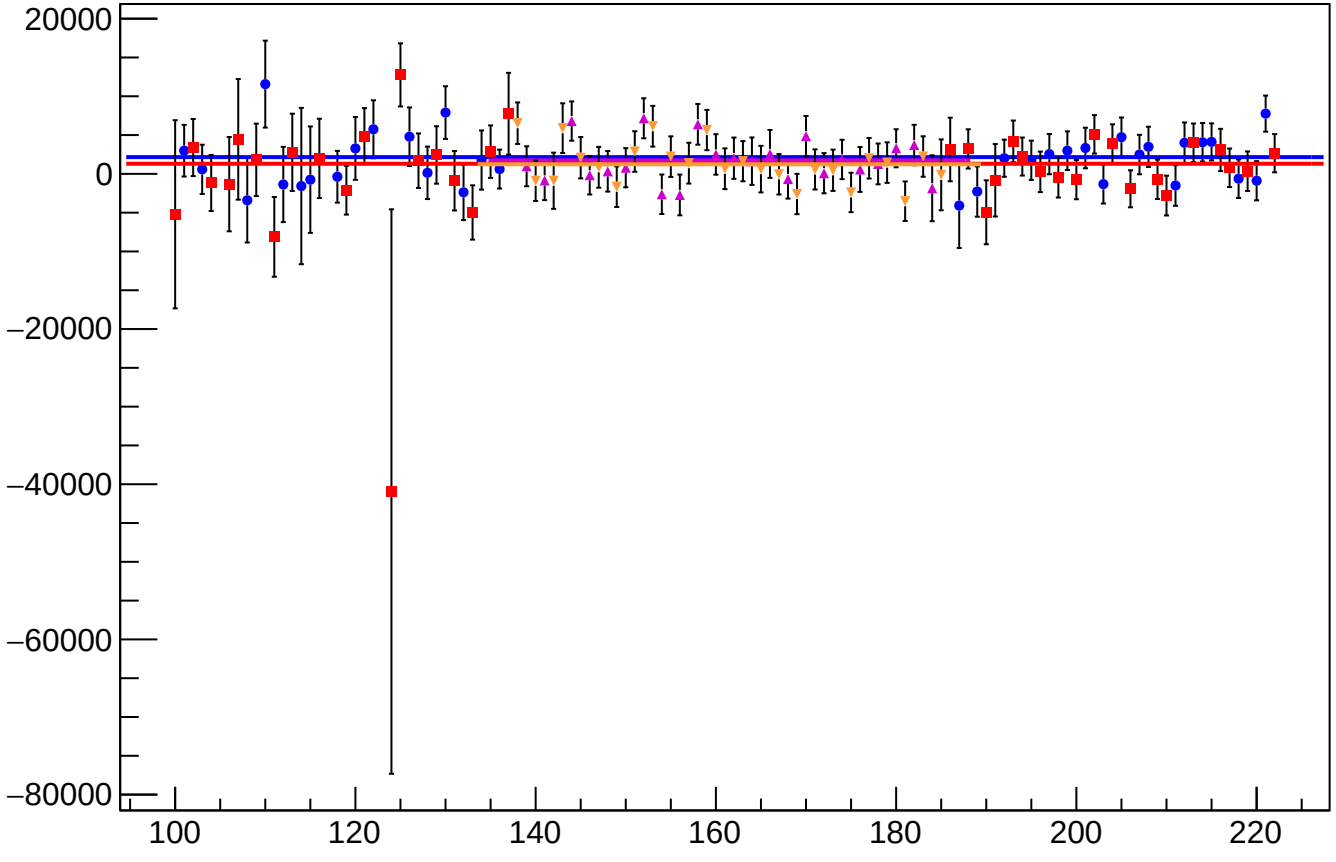
Right: 789.404+/-0.090 χ^2/NDF: 8311588.7/71

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 708.675+/-0.083 χ^2/NDF:8233591.7/62

All: 701.568+/-0.059 χ^2/NDF: 17415515.5/1

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: 1303.867+/-520.515 χ^2/NDF: 38.1/37

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

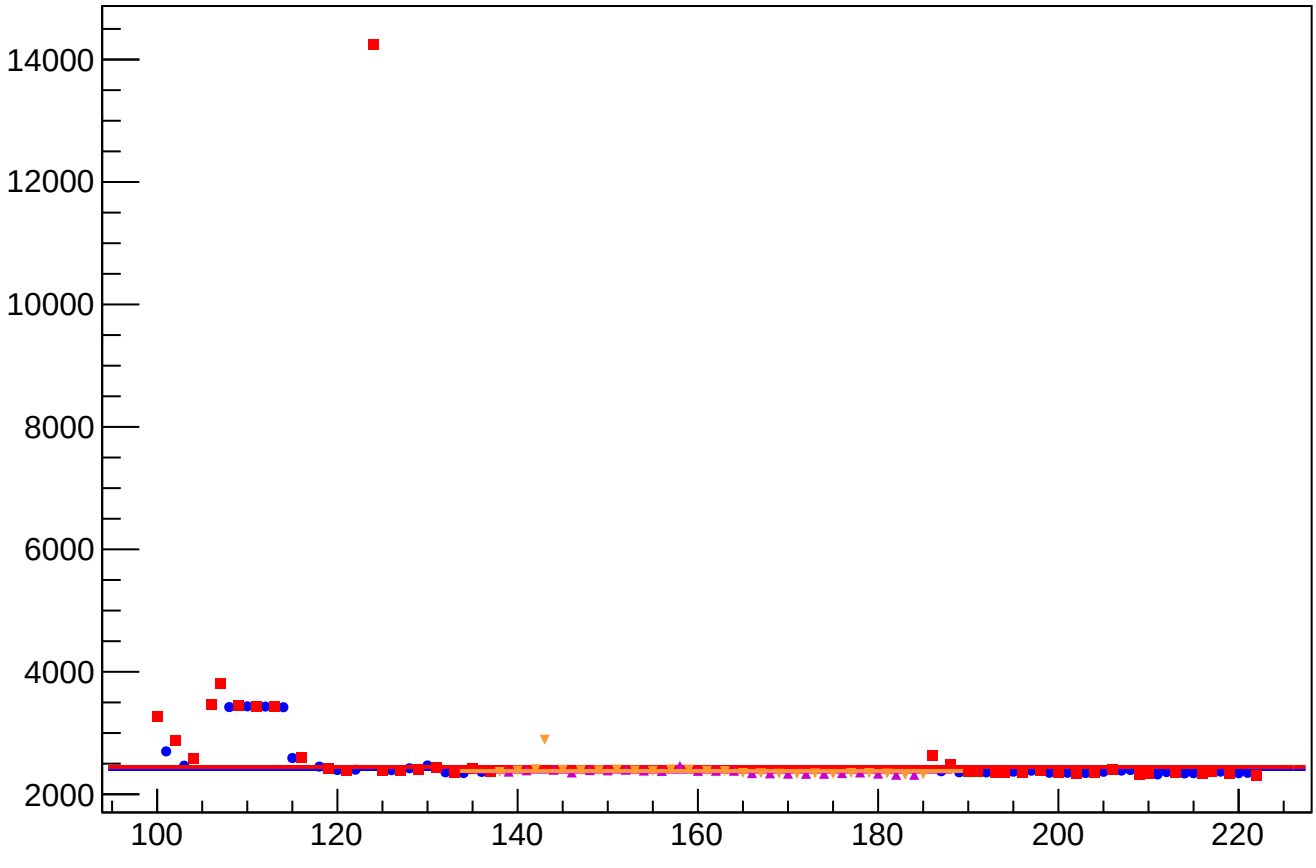
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1734.595+/-366.063 χ^2/NDF: 70.8/71

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1270.639+/-375.189 χ^2/NDF:61.9/62

All: 1615.618+/-265.910 χ^2/NDF: 119.7/119



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.648+/-0.368 χ^2/NDF: 670328.8/37

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

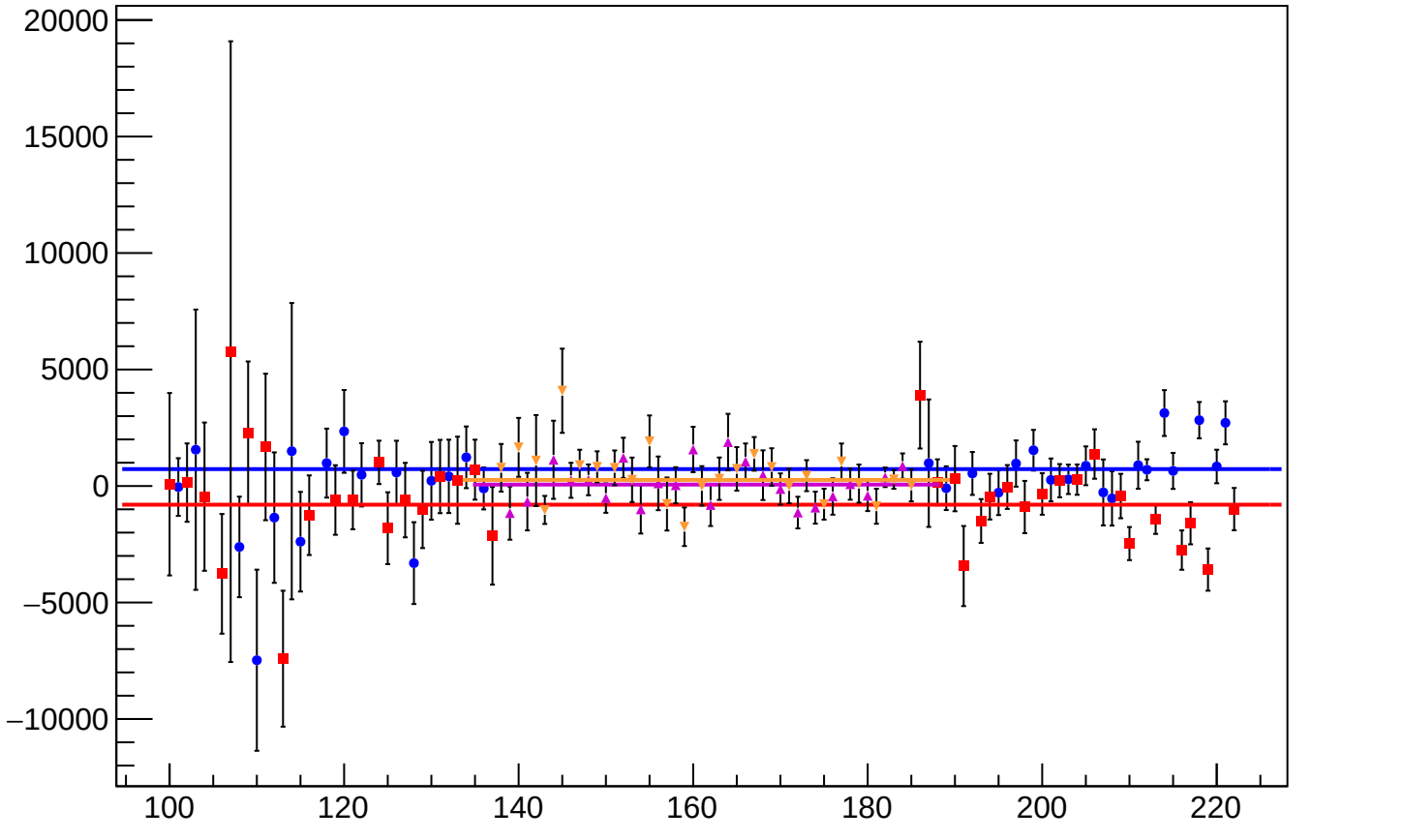
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.162+/-0.259 χ^2/NDF: 955388.9/71

In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2414.701+/-0.265 χ^2/NDF:742666.4/62

All: 2403.787+/-0.188 χ^2/NDF: 1040860.9/11



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: -801.541+/-183.514 χ^2/NDF: 56.9/37

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

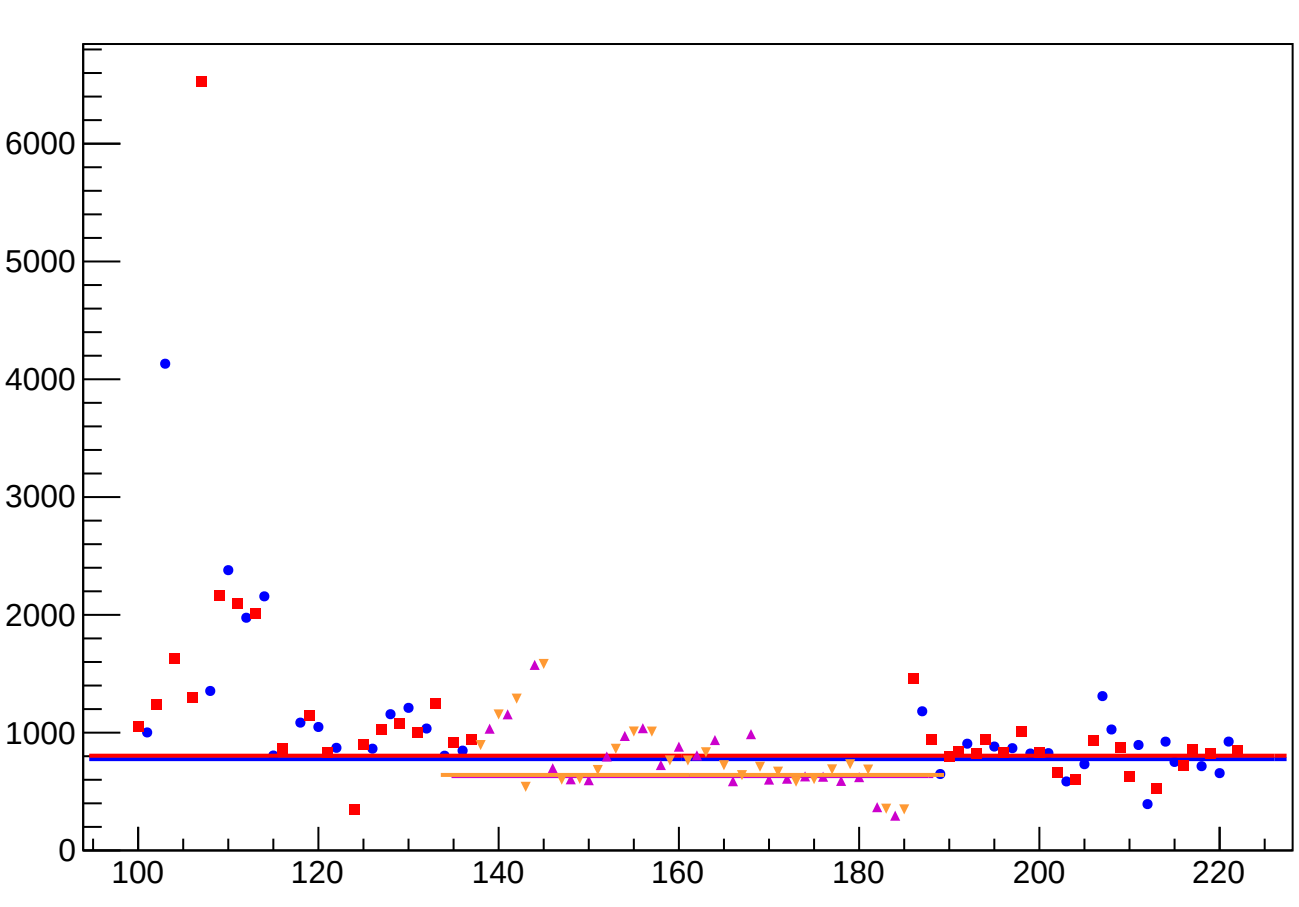
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -13.525+/-127.691 χ^2/NDF: 133.1/71

In: 353.768+/-117.847 χ^2/NDF:70.2/56

Out: -177.420+/-117.972 χ^2/NDF:107.7/62

All: 88.454+/-83.375 χ^2/NDF: 188.1/119



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: 804.521+/-0.130 χ^2/NDF: 3829205.7/37

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

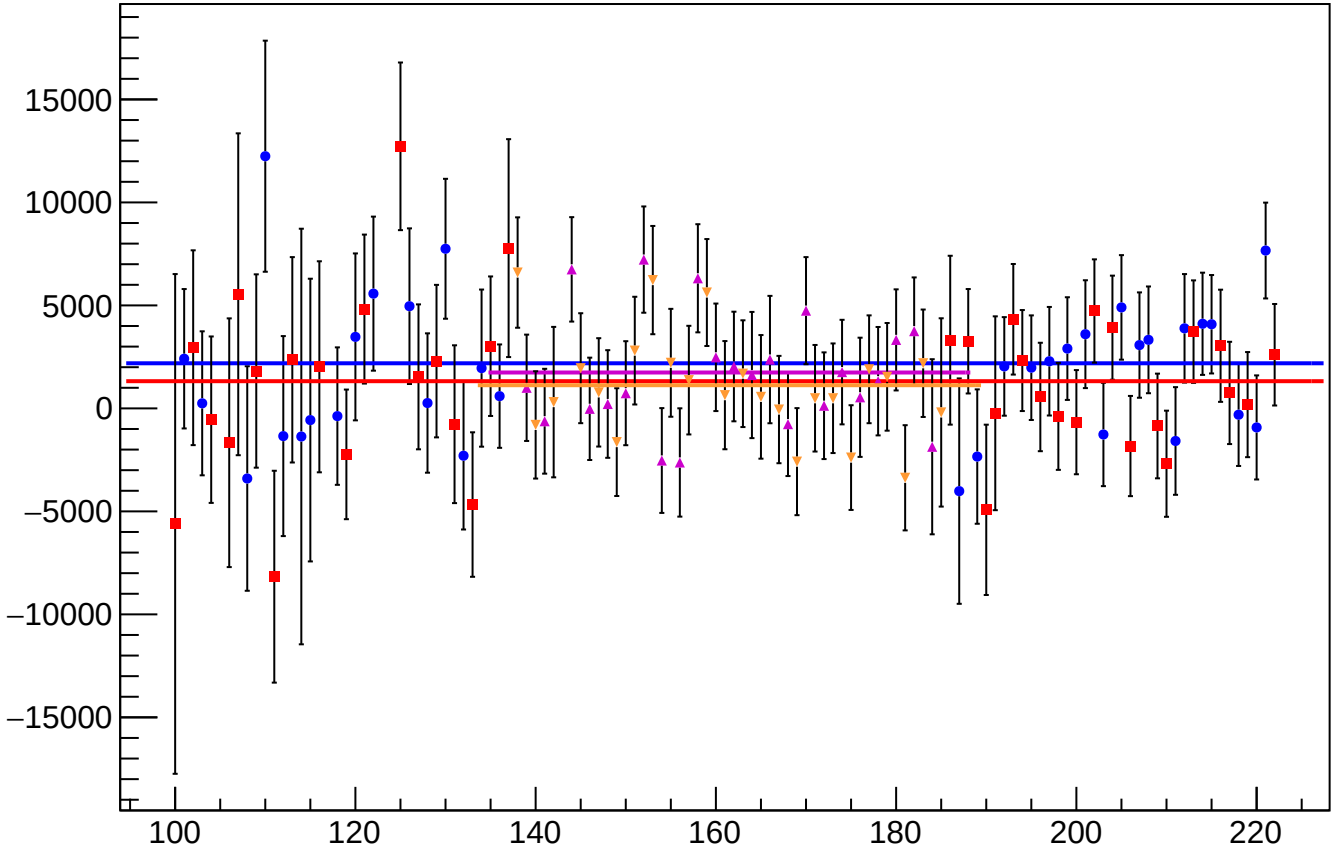
Right: 789.404+/-0.090 χ^2/NDF: 8311588.7/71

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 708.675+/-0.083 χ^2/NDF:8233591.7/62

All: 701.568+/-0.059 χ^2/NDF: 17415515.5/11

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: 1320.820+/-525.454 χ^2/NDF: 35.1/36

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

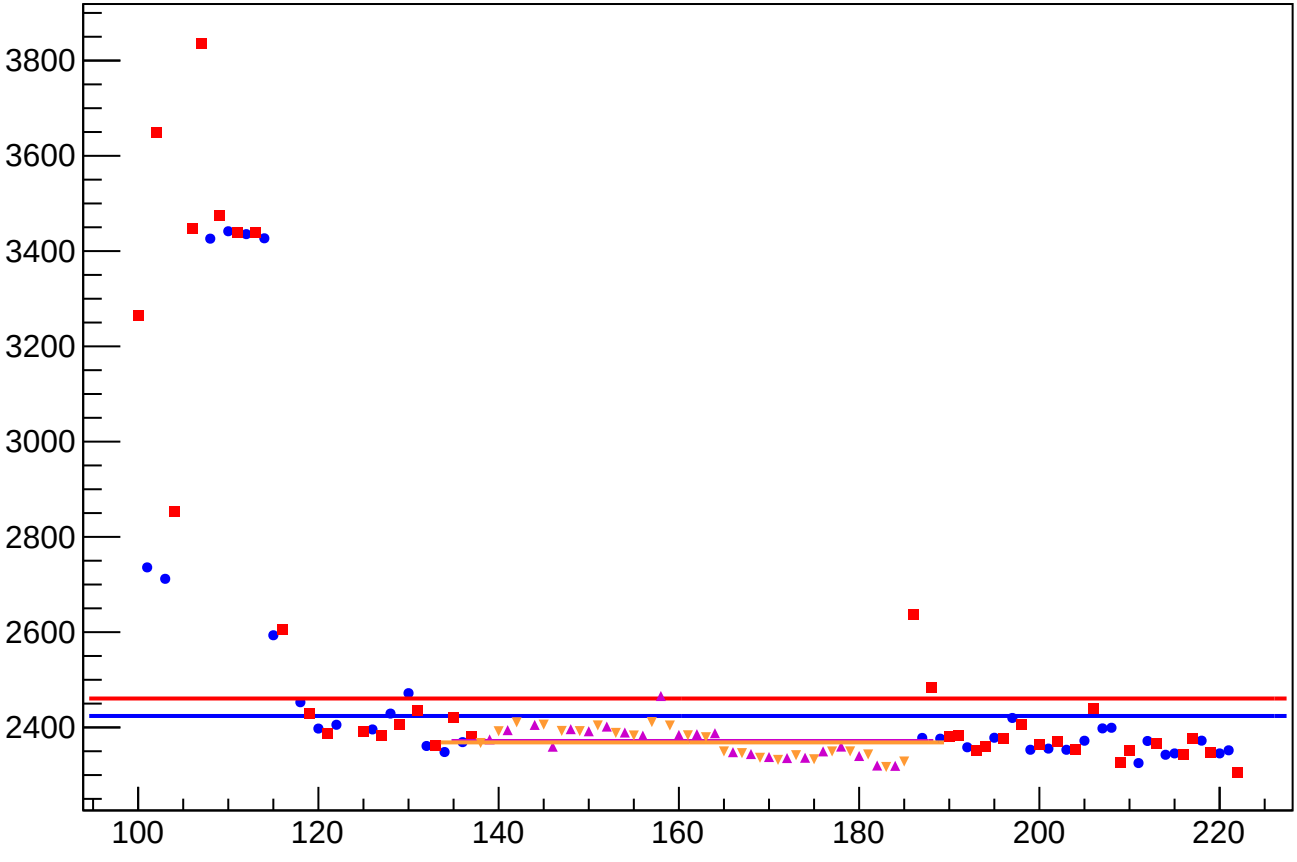
Right: 1762.197+/-368.683 χ^2/NDF: 67.7/70

In: 1981.423+/-378.069 χ^2/NDF:55.3/56

Out: 1227.616+/-379.879 χ^2/NDF:56.4/60

All: 1606.319+/-267.973 χ^2/NDF: 113.6/117

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2424.039+/-0.366 χ^2/NDF: 296204.0/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2460.709+/-0.372 χ^2/NDF: 572669.2/36

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

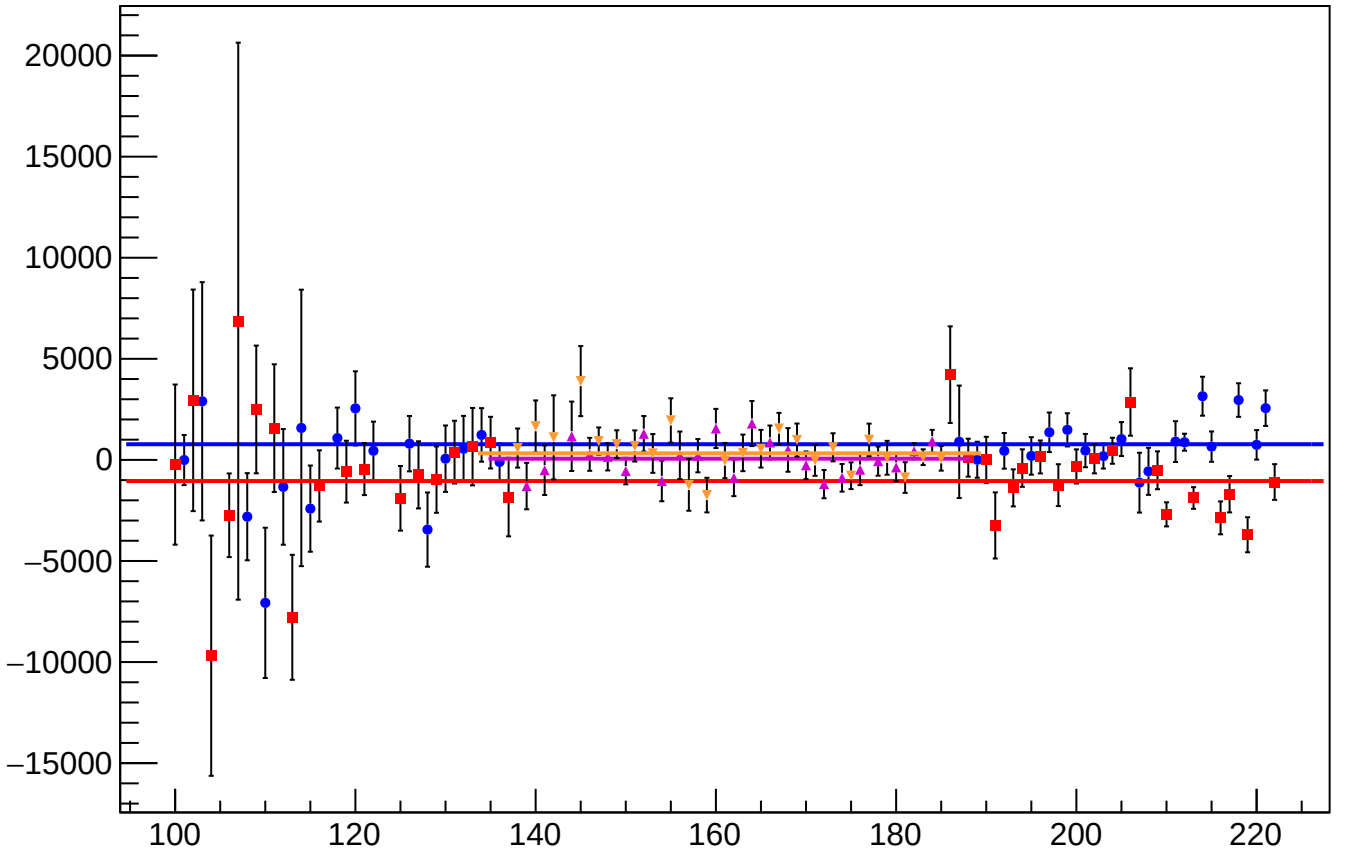
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2442.092+/-0.261 χ^2/NDF: 873818.4/70

In: 2399.557+/-0.267 χ^2/NDF:312862.4/56

Out: 2416.727+/-0.269 χ^2/NDF:607595.6/60

All: 2408.101+/-0.189 χ^2/NDF: 922510.6/117



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: -1045.552+/-180.036 χ^2/NDF: 66.2/36

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

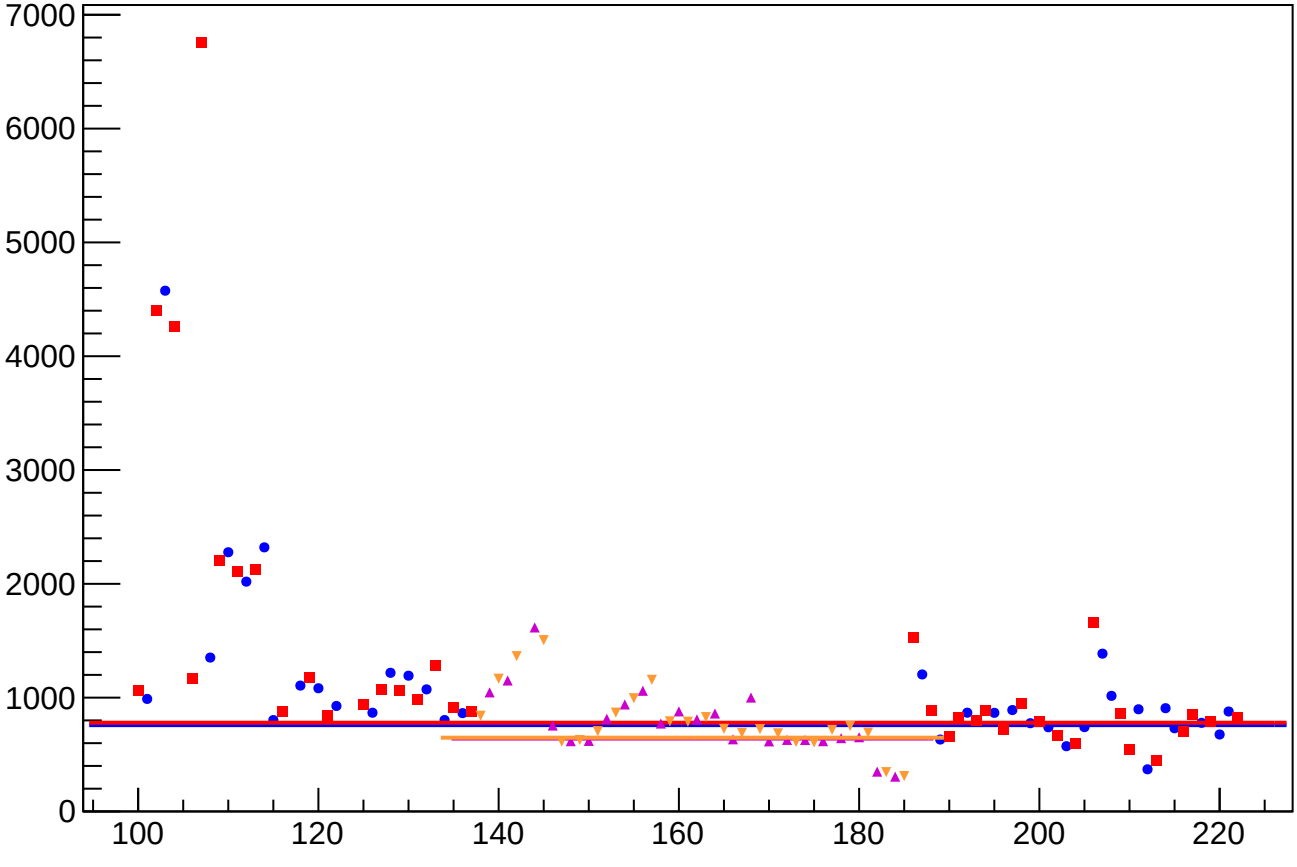
Right: -103.656+/-125.062 χ^2/NDF: 160.9/70

In: 386.789+/-117.599 χ^2/NDF:73.7/56

Out: -279.441+/-119.613 χ^2/NDF:125.4/60

All: 59.331+/-83.858 χ^2/NDF: 214.9/117

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: 779.744+/-0.127 χ^2/NDF: 5902041.0/36

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

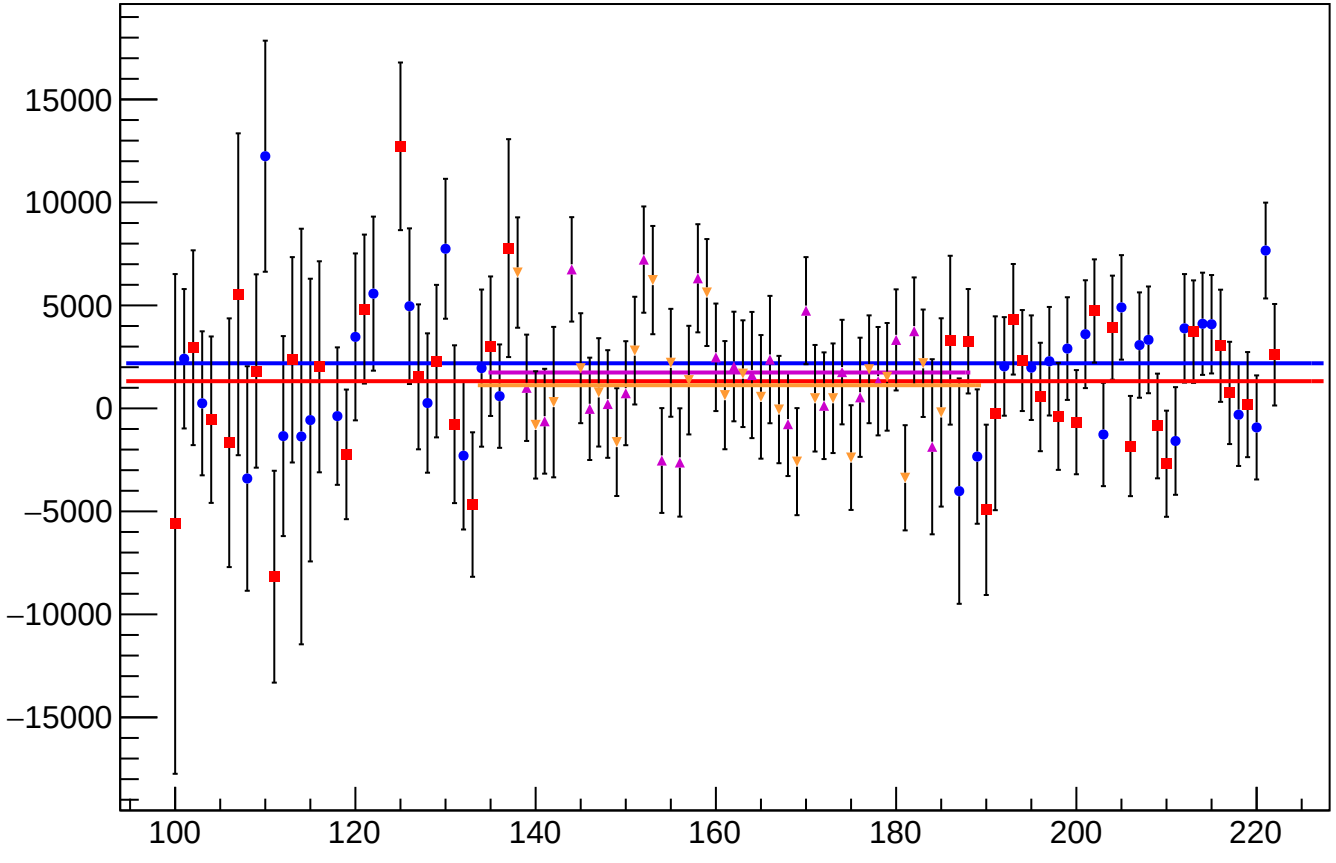
Right: 768.745+/-0.088 χ^2/NDF: 11060963.7/70

In: 694.443+/-0.083 χ^2/NDF:9773606.3/56

Out: 706.209+/-0.085 χ^2/NDF:10386354.2/60

All: 700.226+/-0.059 χ^2/NDF: 20169801.7/11

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: 1320.820+/-525.454 χ^2/NDF: 35.1/36

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

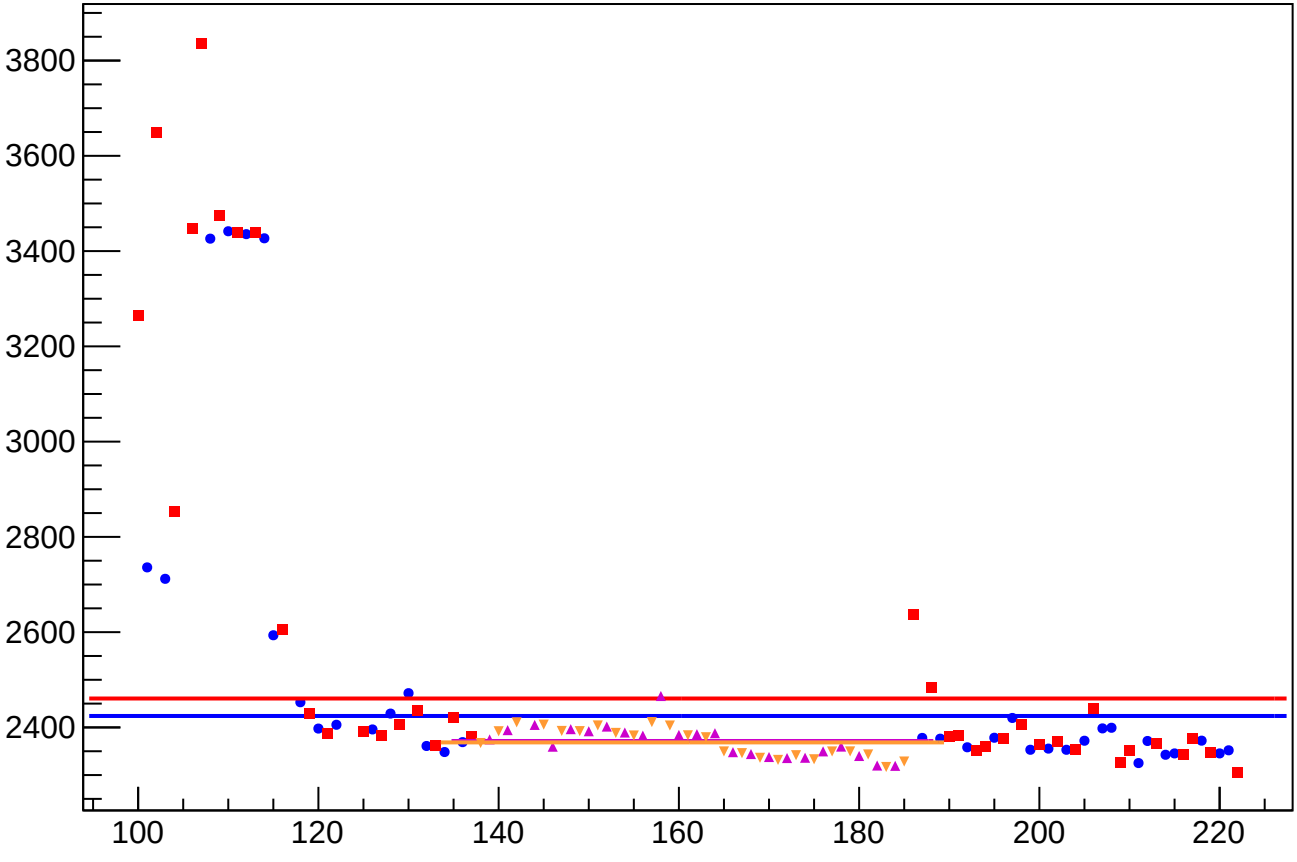
Right: 1762.196+/-368.683 χ^2/NDF: 67.7/70

In: 1981.422+/-378.069 χ^2/NDF:55.3/56

Out: 1227.616+/-379.879 χ^2/NDF:56.4/60

All: 1606.318+/-267.973 χ^2/NDF: 113.6/117

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2424.039+/-0.366 χ^2/NDF: 296203.5/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2460.709+/-0.372 χ^2/NDF: 572668.2/36

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

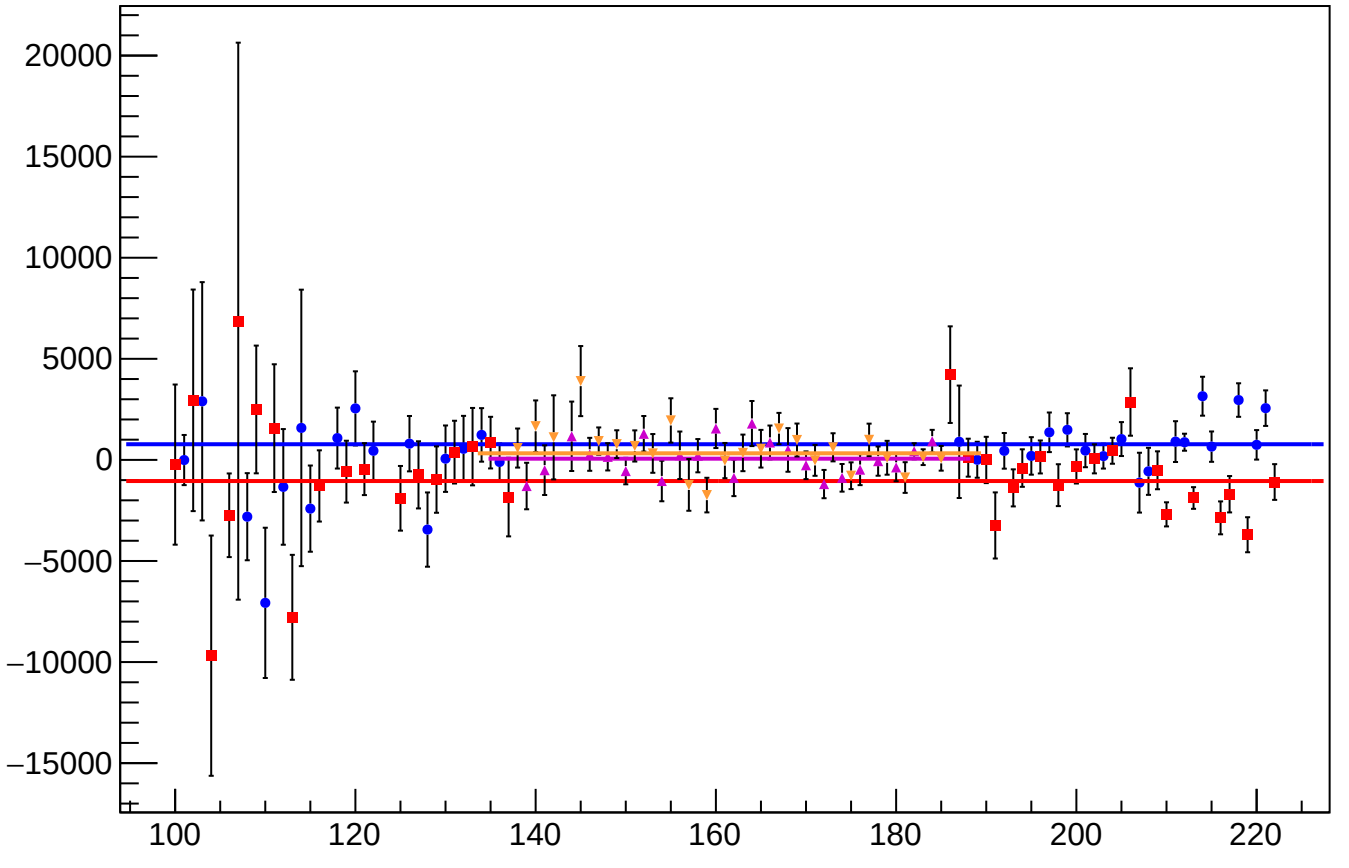
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2442.092+/-0.261 χ^2/NDF: 873816.9/70

In: 2399.557+/-0.267 χ^2/NDF:312861.9/56

Out: 2416.727+/-0.269 χ^2/NDF:607594.6/60

All: 2408.101+/-0.189 χ^2/NDF: 922509.1/117



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: -1045.552+/-180.036 χ^2/NDF: 66.2/36

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

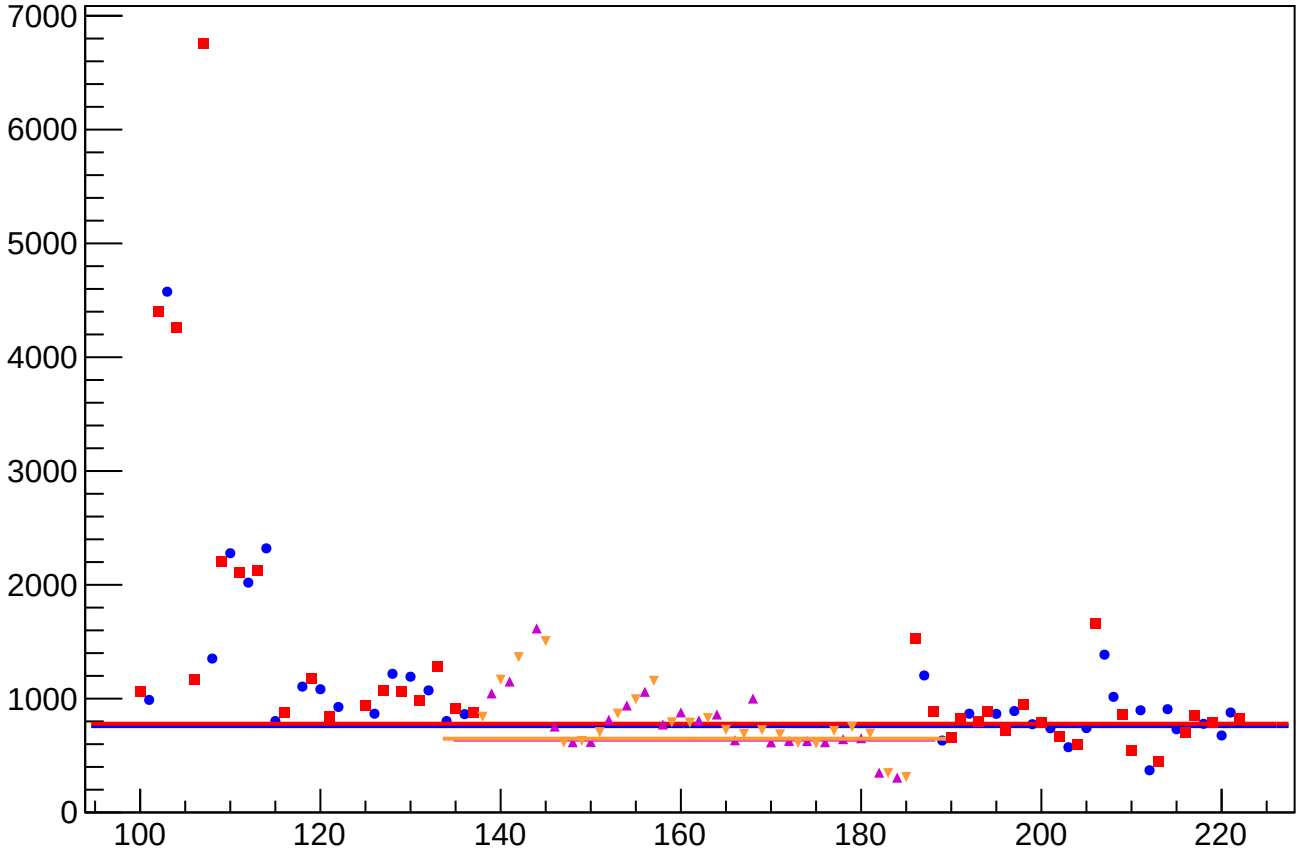
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -103.656+/-125.062 χ^2/NDF: 160.9/70

In: 386.790+/-117.599 χ^2/NDF:73.7/56

Out: -279.442+/-119.613 χ^2/NDF:125.4/60

All: 59.331+/-83.858 χ^2/NDF: 214.9/117



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: 779.744+/-0.127 χ^2/NDF: 5902050.5/36

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

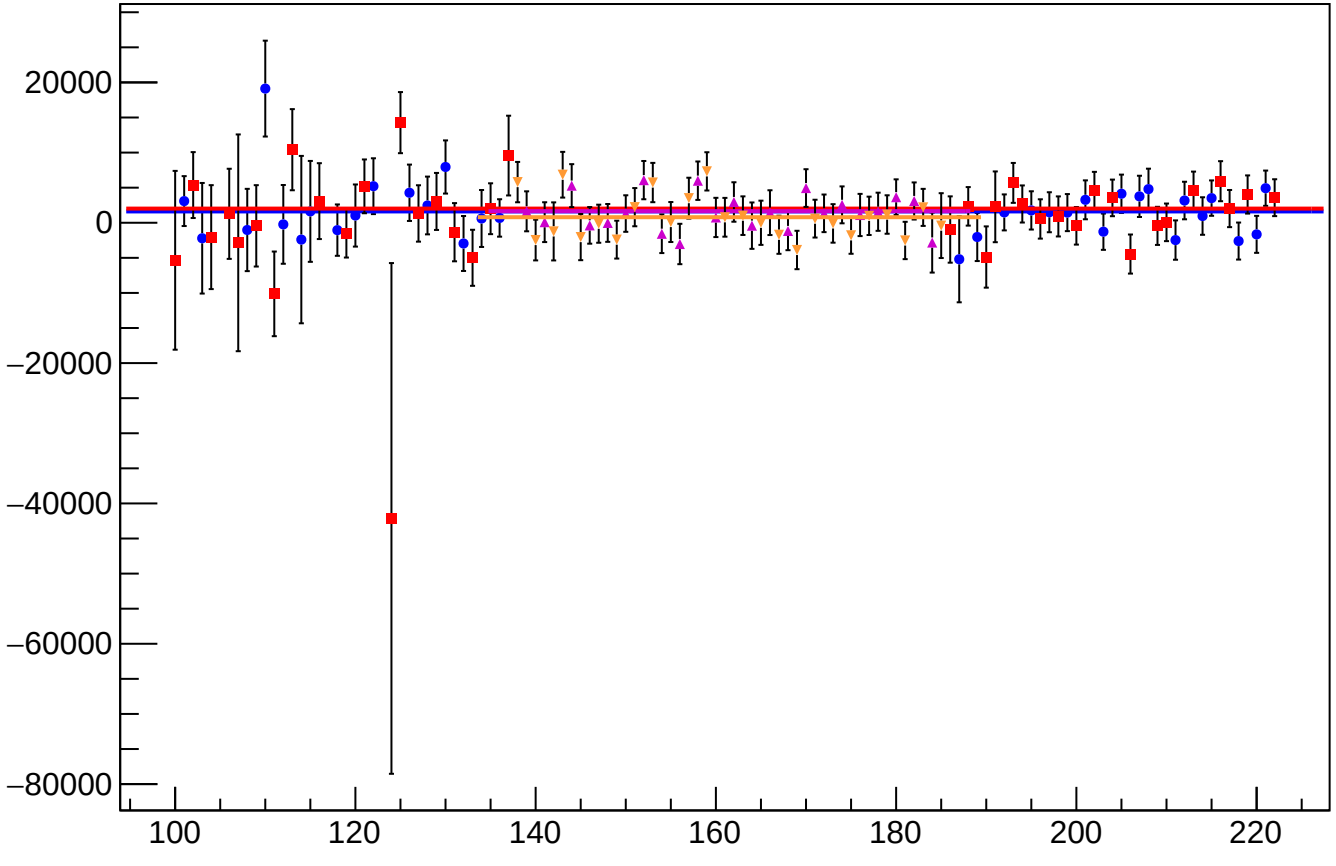
Right: 768.744+/-0.088 χ^2/NDF: 11060981.6/70

In: 694.443+/-0.083 χ^2/NDF:9773614.9/56

Out: 706.210+/-0.085 χ^2/NDF:10386360.7/60

All: 700.226+/-0.059 χ^2/NDF: 20169817.1/11

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1613.474+/-561.464 χ^2/NDF: 29.1/33

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 2017.610+/-569.116 χ^2/NDF: 42.1/37

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

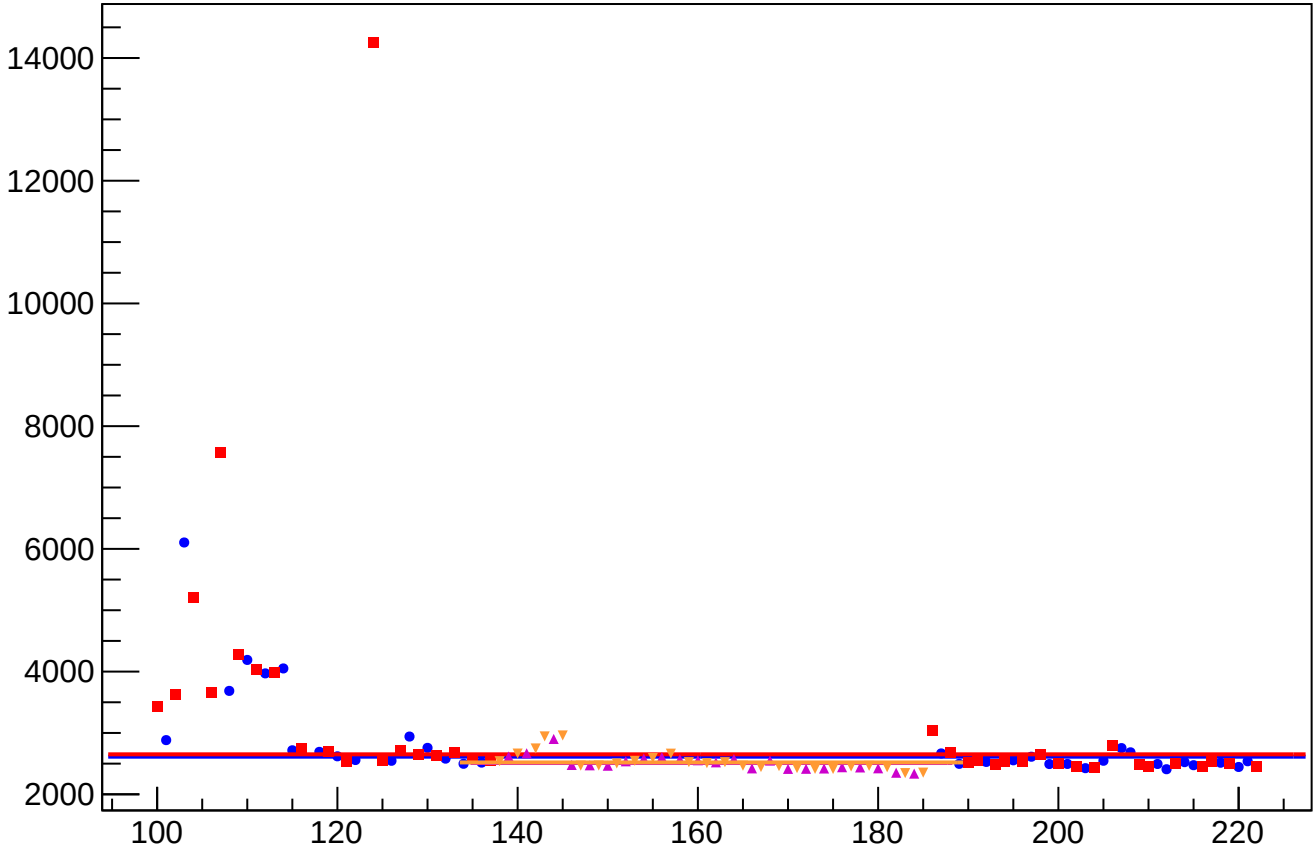
Right: 1812.807+/-399.693 χ^2/NDF: 71.4/71

In: 1633.144+/-405.665 χ^2/NDF:46.4/56

Out: 1408.979+/-403.885 χ^2/NDF:71.6/62

All: 1520.568+/-286.217 χ^2/NDF: 118.1/119

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: 2651.630+/-0.402 χ^2/NDF: 1284826.7/37

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

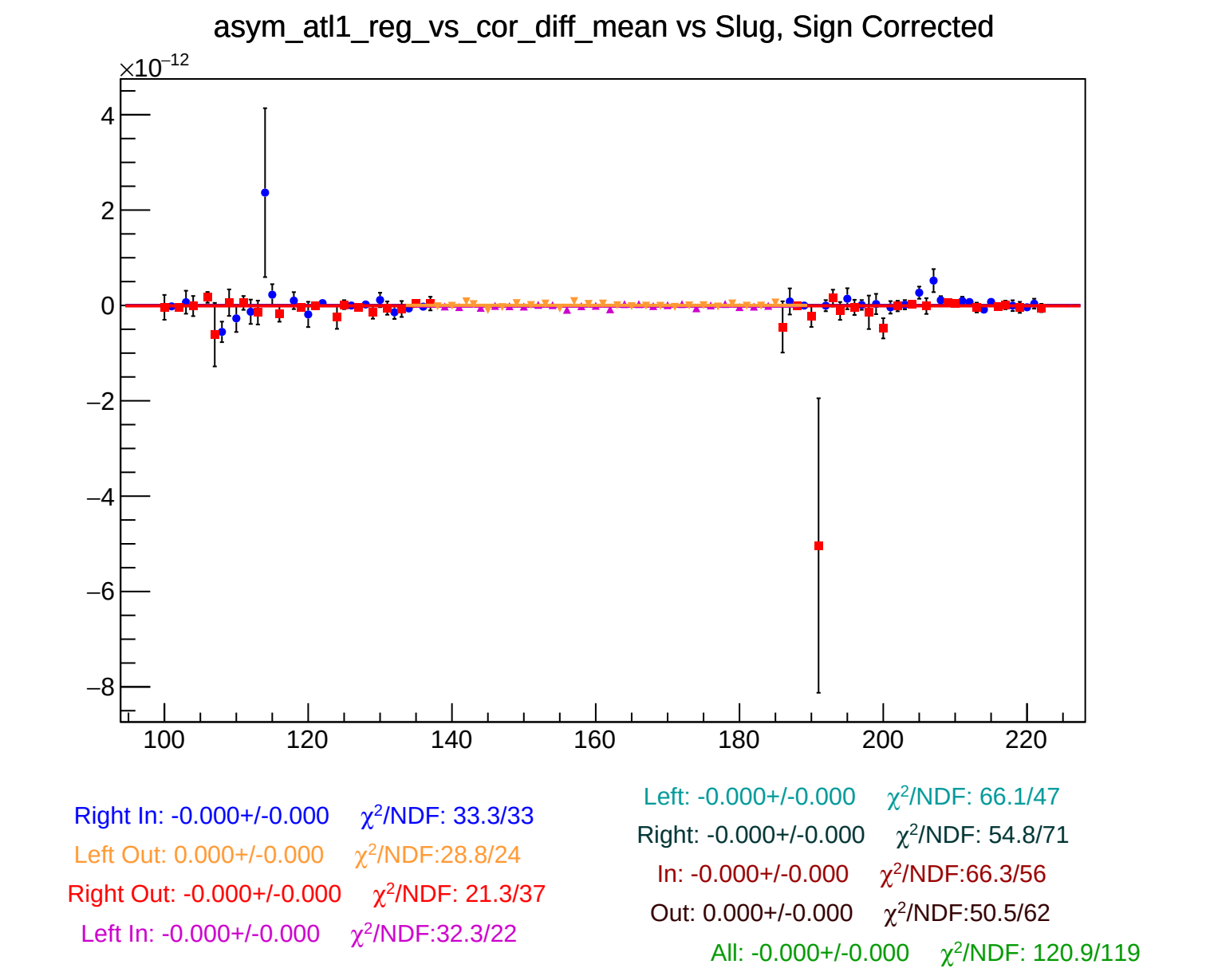
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

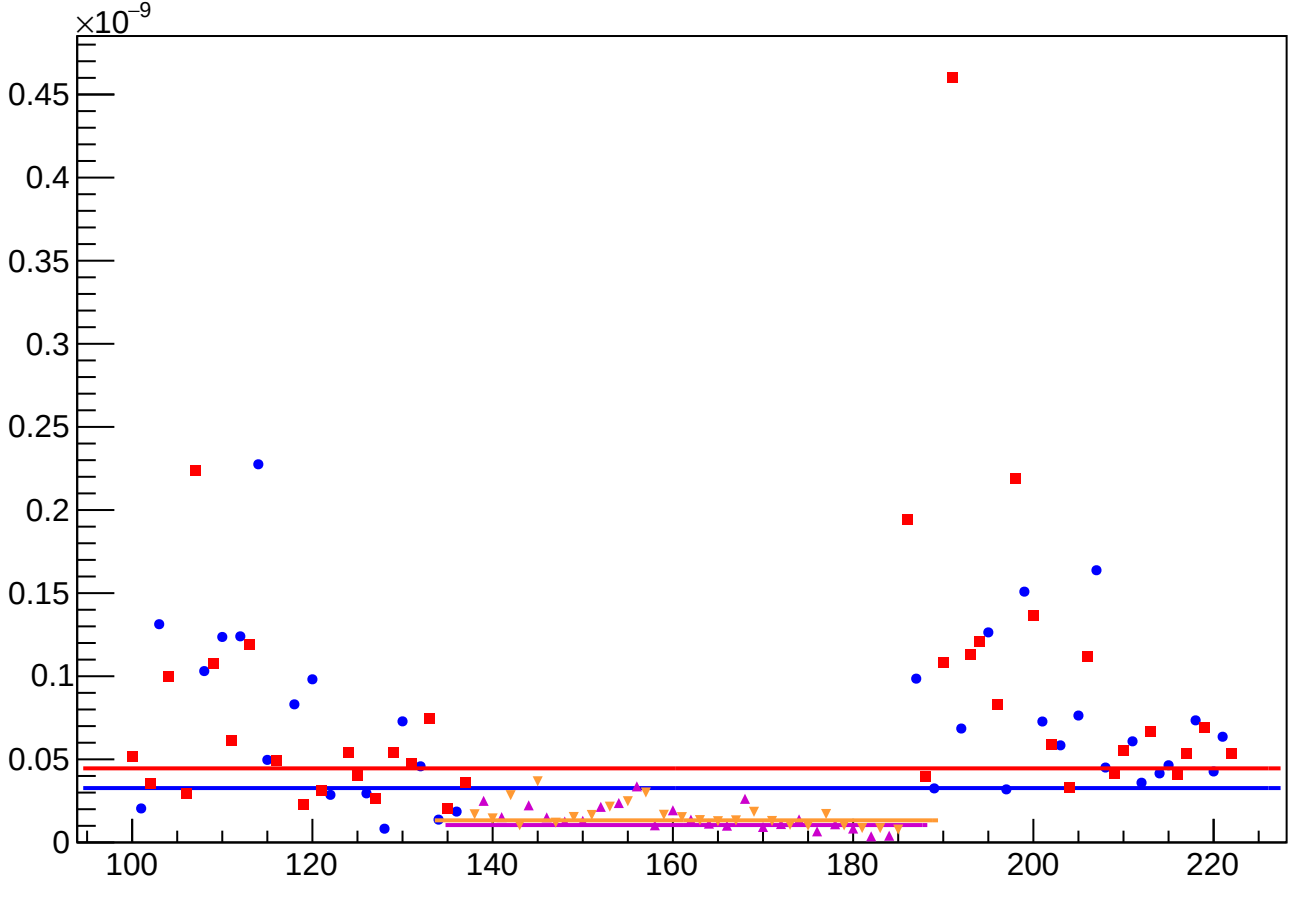
Right: 2632.293+/-0.283 χ^2/NDF: 2102070.1/71

In: 2564.090+/-0.287 χ^2/NDF:918828.6/56

Out: 2586.053+/-0.286 χ^2/NDF:1453528.0/62

All: 2575.120+/-0.202 χ^2/NDF: 2375300.5/11


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: 21.3/37
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: 54.8/71
In: -0.000+/-0.000 χ²/NDF:66.3/56
Out: 0.000+/-0.000 χ²/NDF:50.5/62
All: -0.000+/-0.000 χ²/NDF: 120.9/119



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: 4252523.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

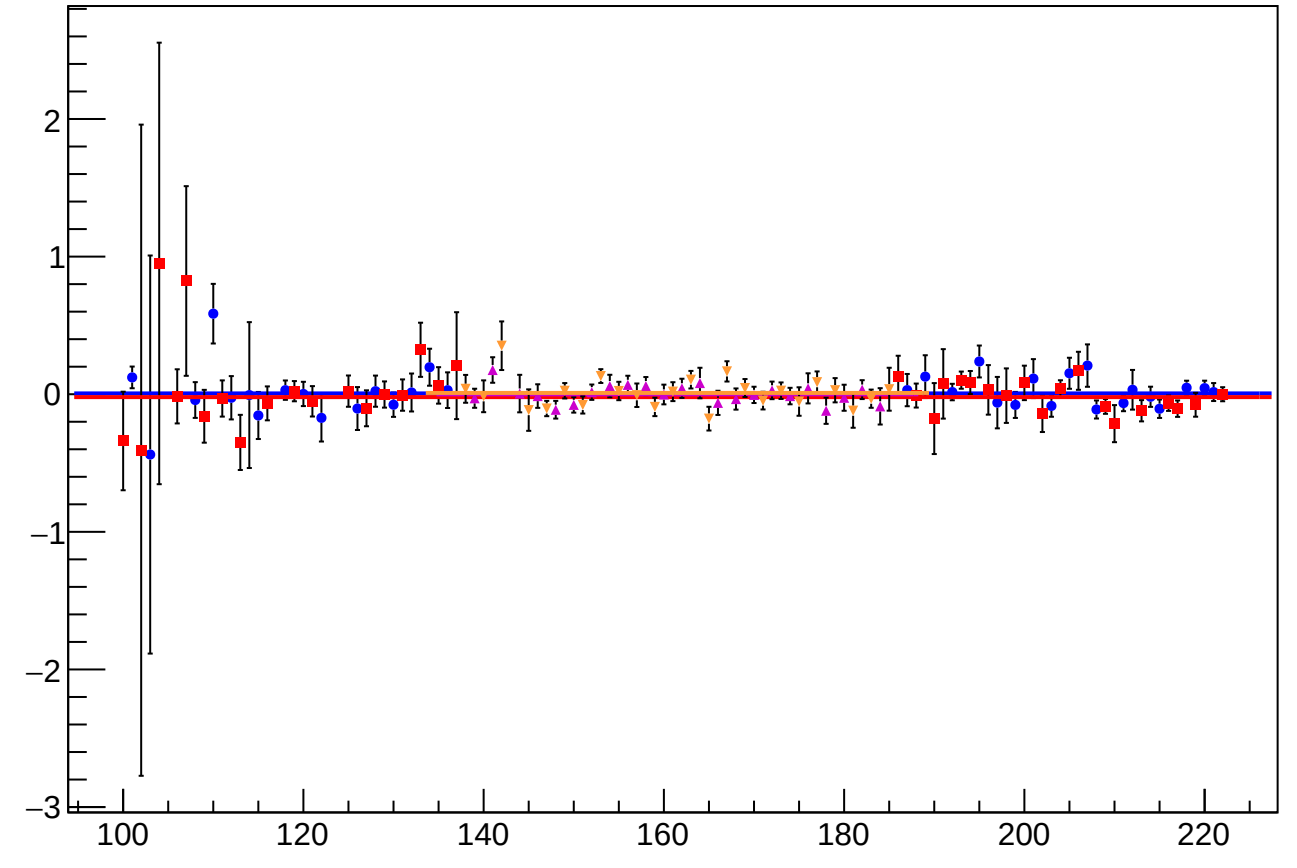
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11201518.6/71

In: 0.000+/-0.000 χ^2/NDF:13873837.8/56

Out: 0.000+/-0.000 χ^2/NDF:11914450.7/62

All: 0.000+/-0.000 χ^2/NDF: 26218627.6/119



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: -0.021+/-0.016 χ^2/NDF: 30.8/36

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

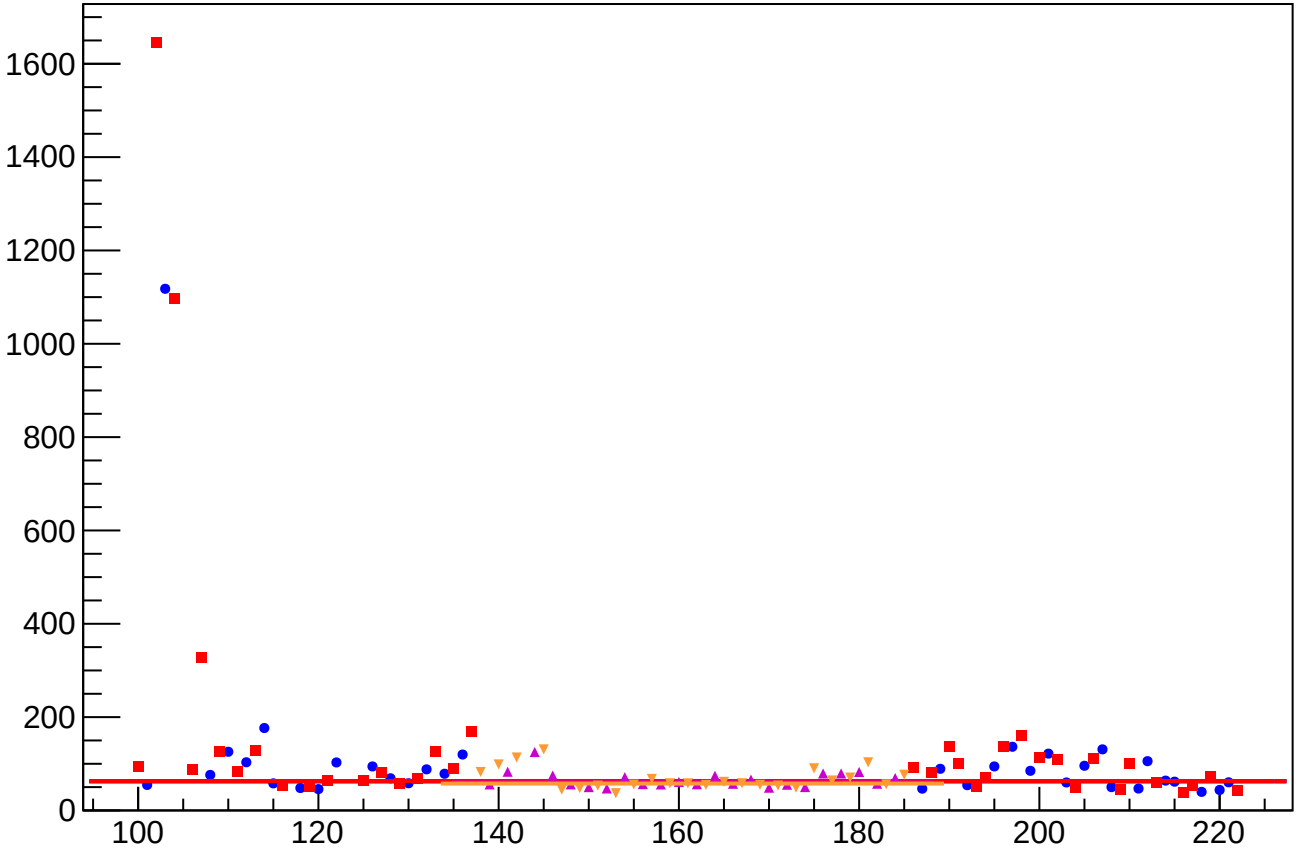
Right: -0.007+/-0.011 χ^2/NDF: 66.9/70

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.004+/-0.011 χ^2/NDF:67.4/60

All: -0.001+/-0.008 χ^2/NDF: 118.0/117

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 63.154+/-0.012 χ^2/NDF: 6437698.2/36

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

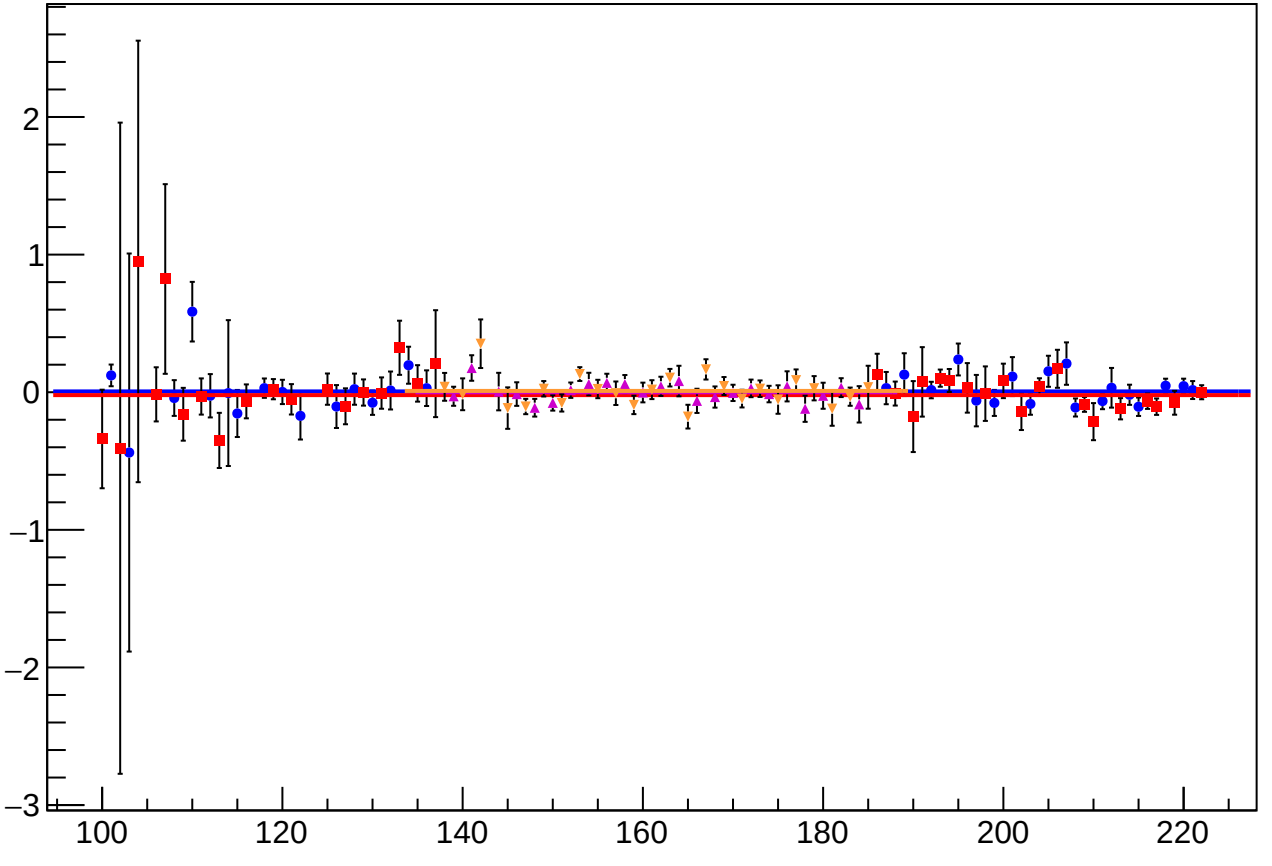
Right: 62.606+/-0.008 χ^2/NDF: 11453490.3/70

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.136+/-0.008 χ^2/NDF:8773824.8/60

All: 60.539+/-0.006 χ^2/NDF: 15152284.3/117

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: -0.021+/-0.016 χ^2/NDF: 30.8/36

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

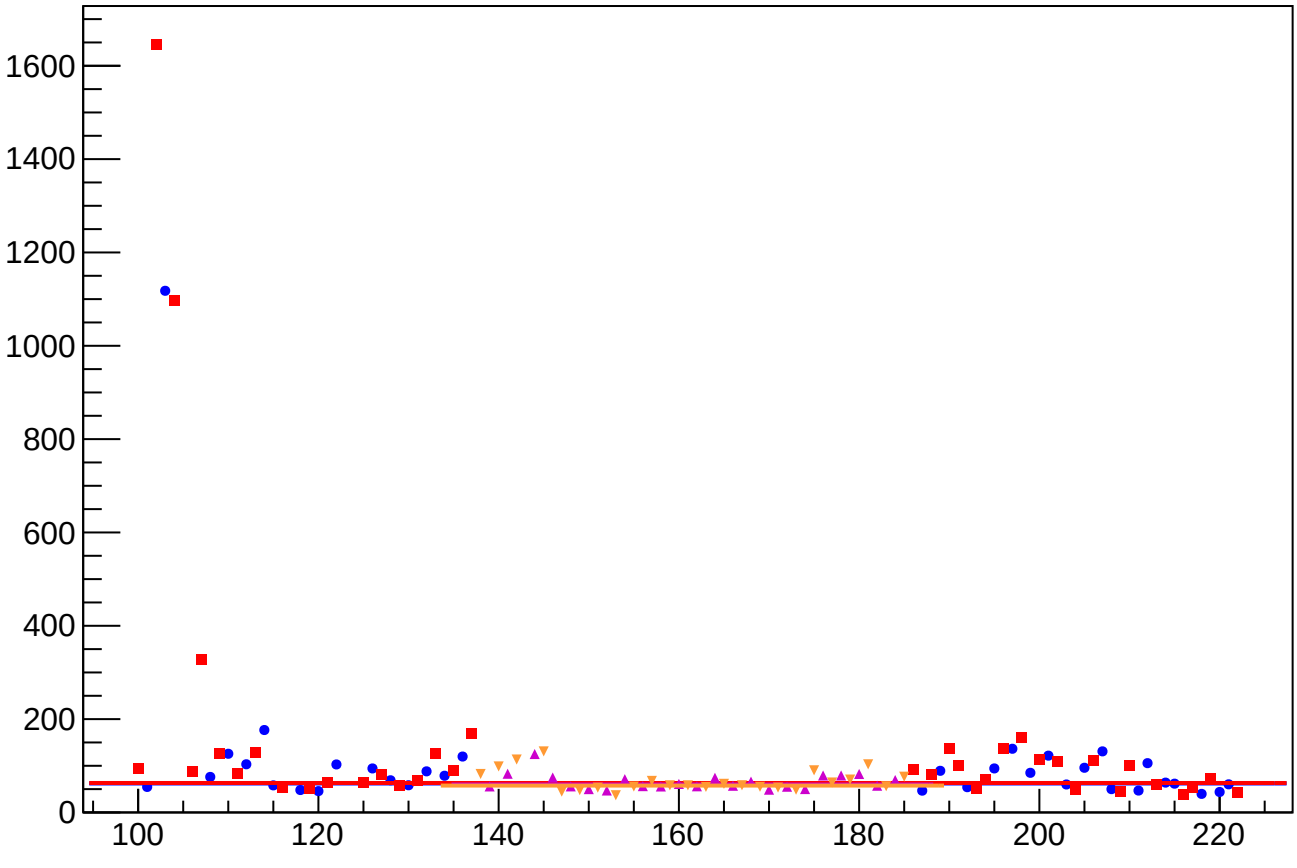
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.007+/-0.011 χ^2/NDF: 66.9/70

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.004+/-0.011 χ^2/NDF:67.4/60

All: -0.001+/-0.008 χ^2/NDF: 118.0/117



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 63.154+/-0.012 χ^2/NDF: 6437698.2/36

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

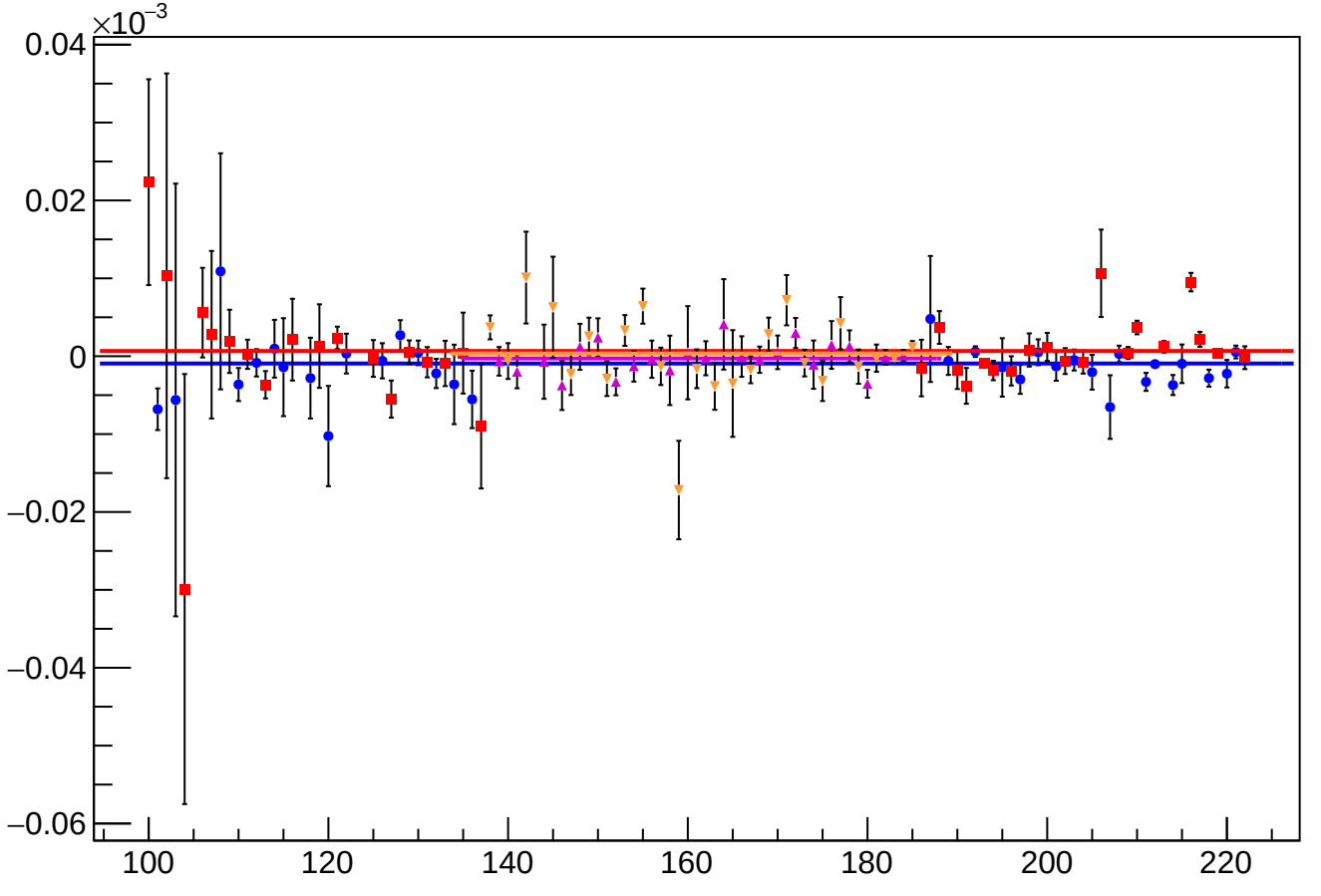
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 62.606+/-0.008 χ^2/NDF: 11453490.3/70

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.136+/-0.008 χ^2/NDF:8773824.8/60

All: 60.539+/-0.006 χ^2/NDF: 15152284.3/117



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: 117.8/36

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

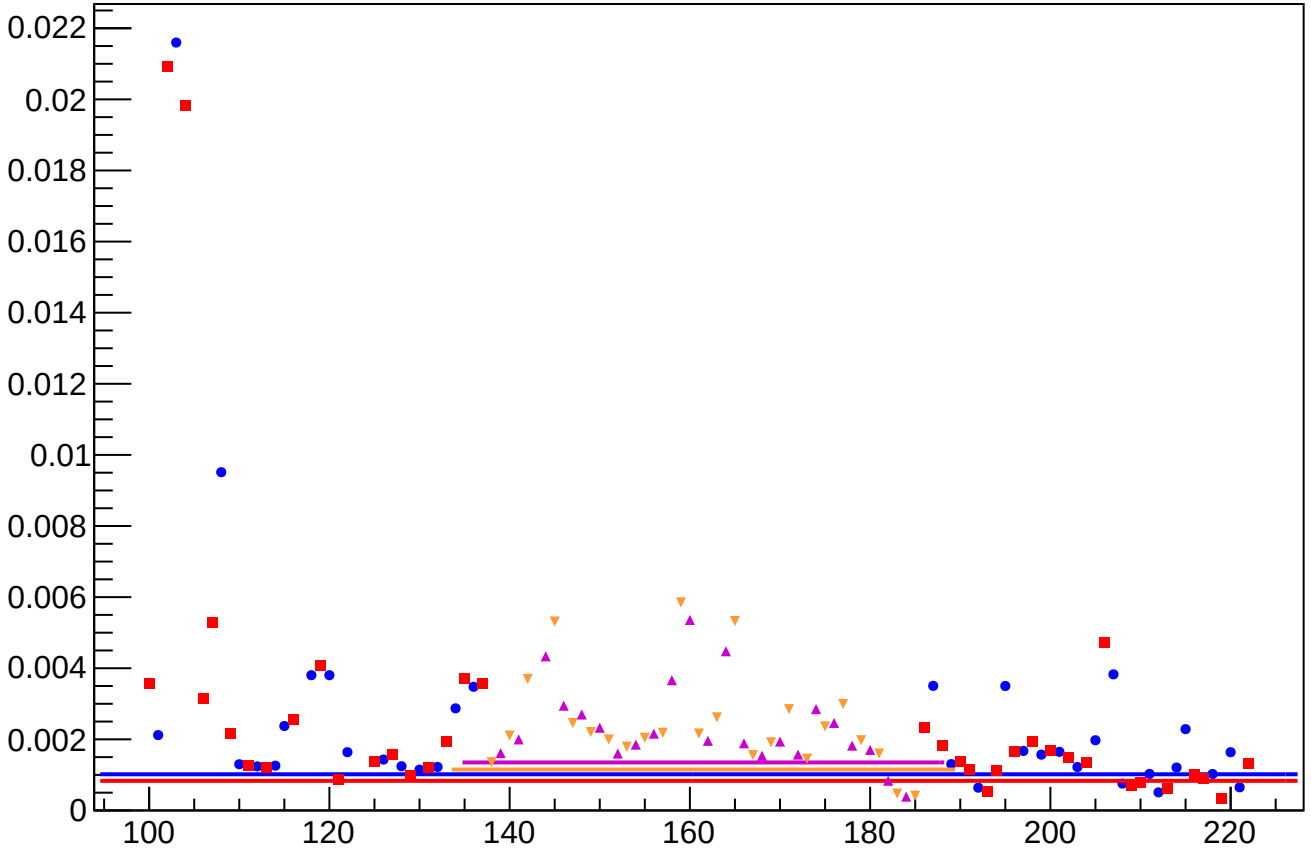
Right: -0.000+/-0.000 χ^2/NDF: 182.5/70

In: -0.000+/-0.000 χ^2/NDF:59.9/56

Out: 0.000+/-0.000 χ^2/NDF:165.2/60

All: 0.000+/-0.000 χ^2/NDF: 245.7/117

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: 13048721.5/36

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

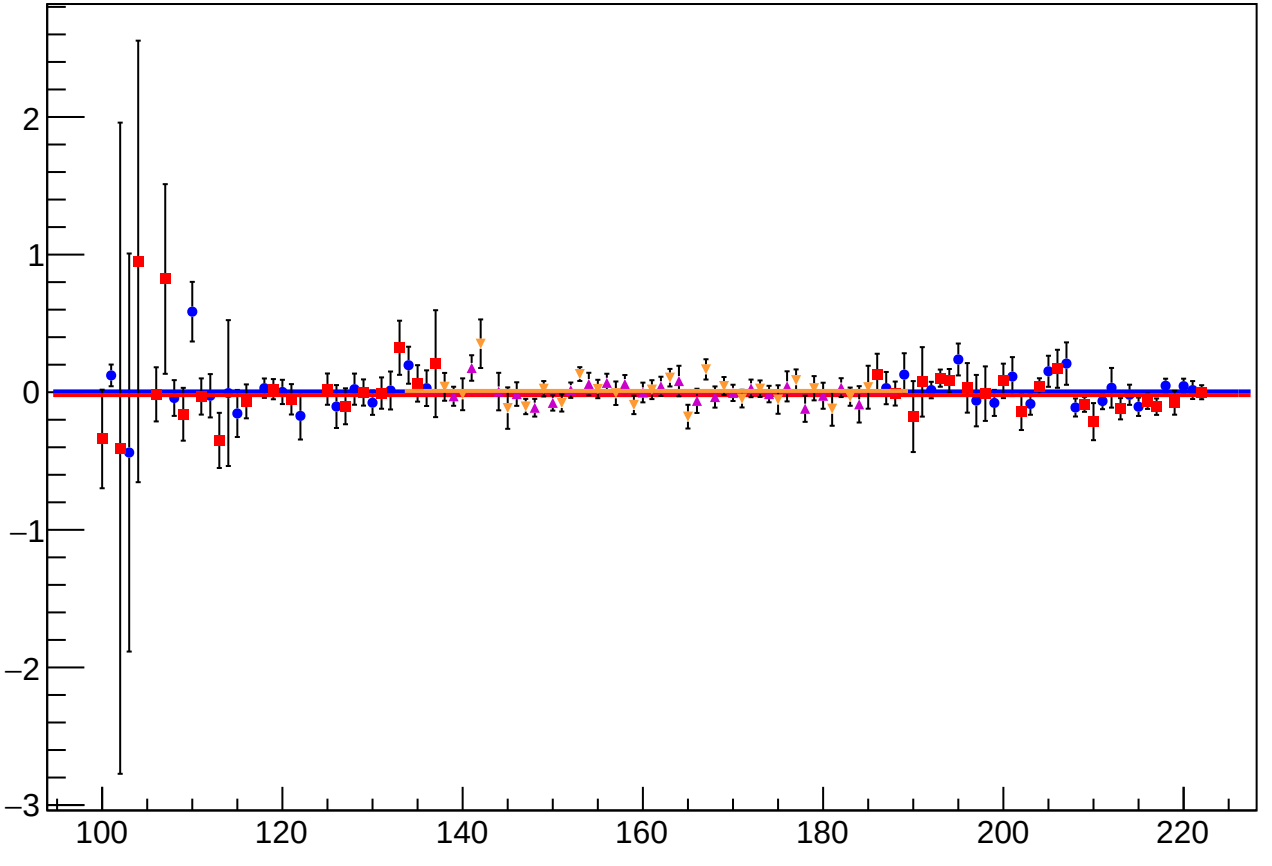
Right: 0.001+/-0.000 χ^2/NDF: 24847206.7/70

In: 0.001+/-0.000 χ^2/NDF:22504624.2/56

Out: 0.001+/-0.000 χ^2/NDF:27493966.8/60

All: 0.001+/-0.000 χ^2/NDF: 50934849.9/117

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: -0.021+/-0.016 χ^2/NDF: 30.8/36

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

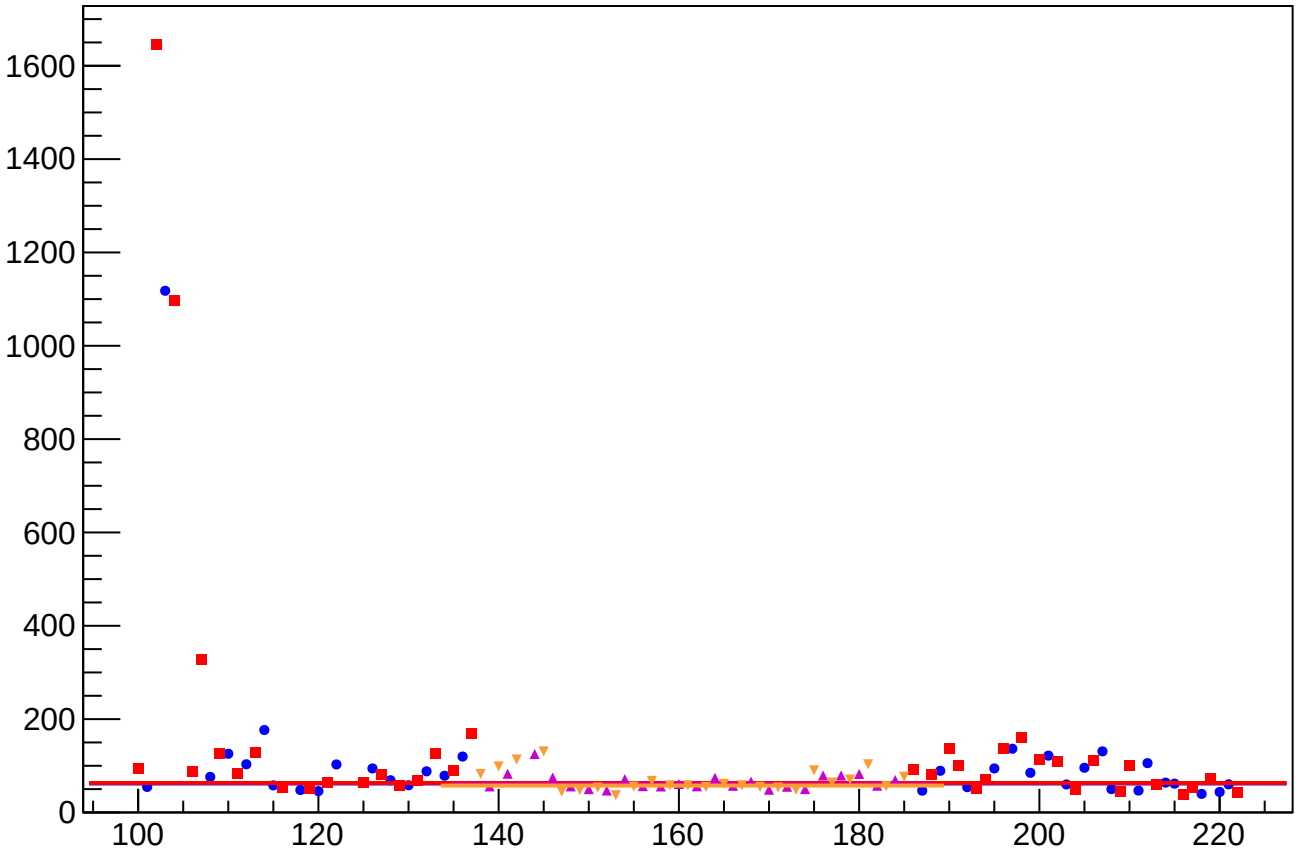
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.007+/-0.011 χ^2/NDF: 66.9/70

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.004+/-0.011 χ^2/NDF:67.4/60

All: -0.001+/-0.008 χ^2/NDF: 118.0/117



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 63.154+/-0.012 χ^2/NDF: 6437690.8/36

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

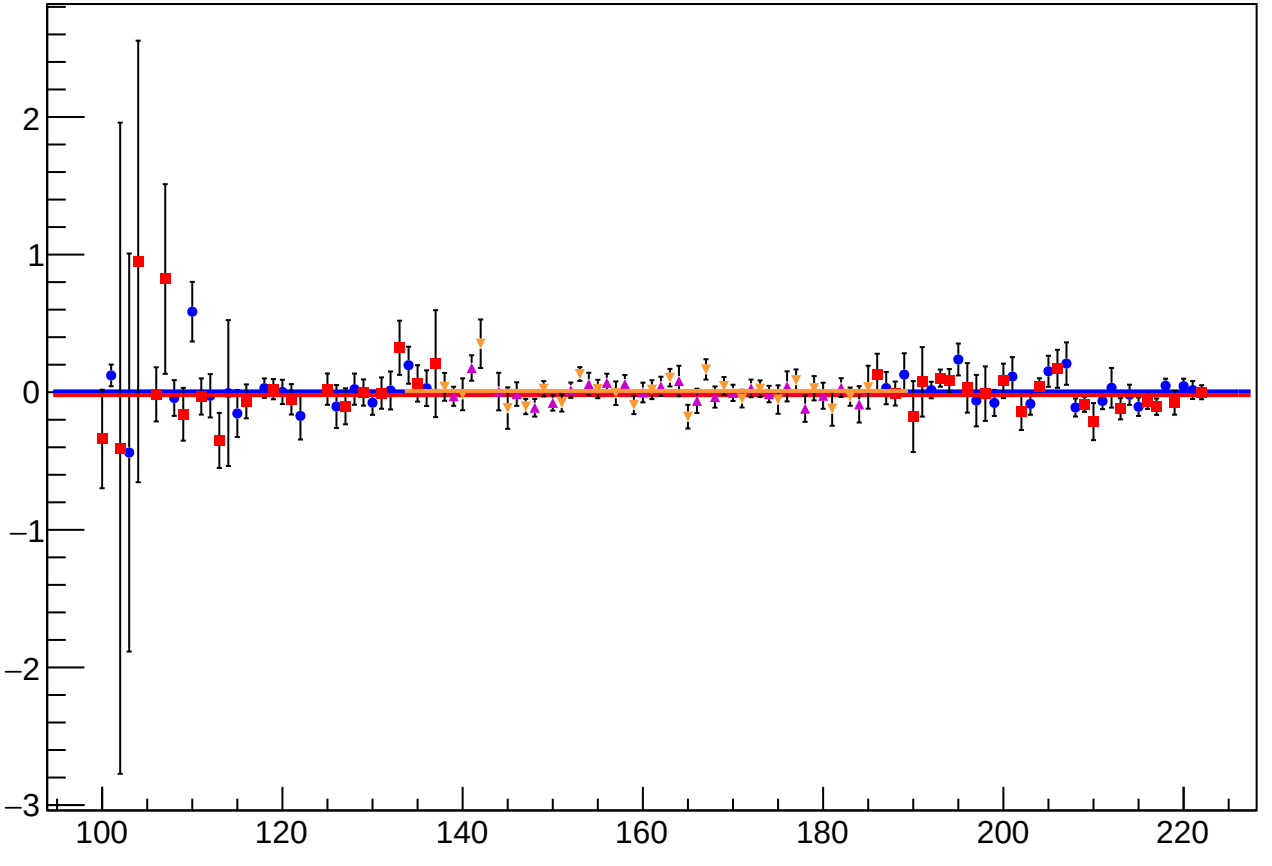
Right: 62.606+/-0.008 χ^2/NDF: 11453603.8/70

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.136+/-0.008 χ^2/NDF:8773897.0/60

All: 60.539+/-0.006 χ^2/NDF: 15152449.5/117

asym_atl1_eigen_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: -0.021+/-0.016 χ^2/NDF: 30.8/36

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

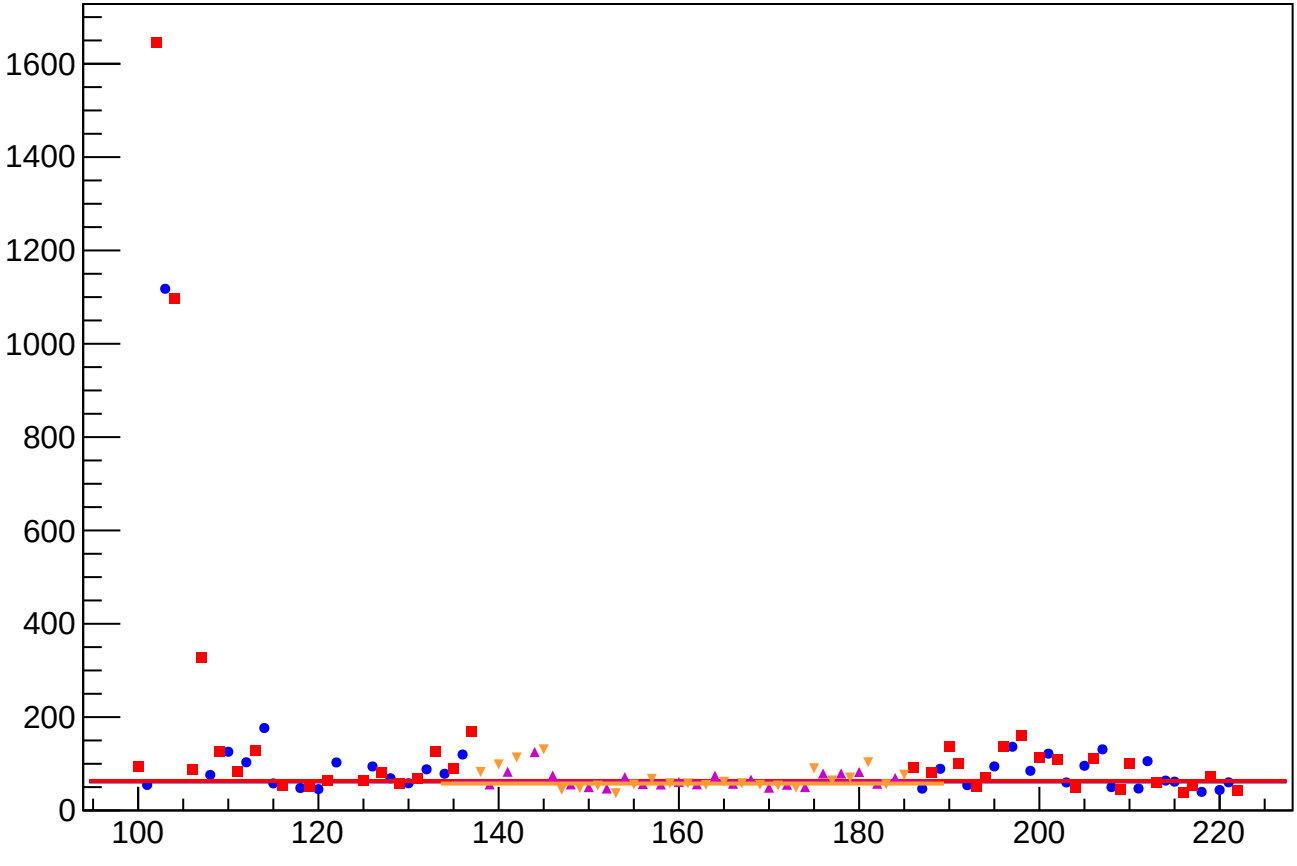
Right: -0.007+/-0.011 χ^2/NDF: 66.9/70

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.004+/-0.011 χ^2/NDF:67.4/60

All: -0.001+/-0.008 χ^2/NDF: 118.0/117

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 63.154+/-0.012 χ^2/NDF: 6437690.8/36

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

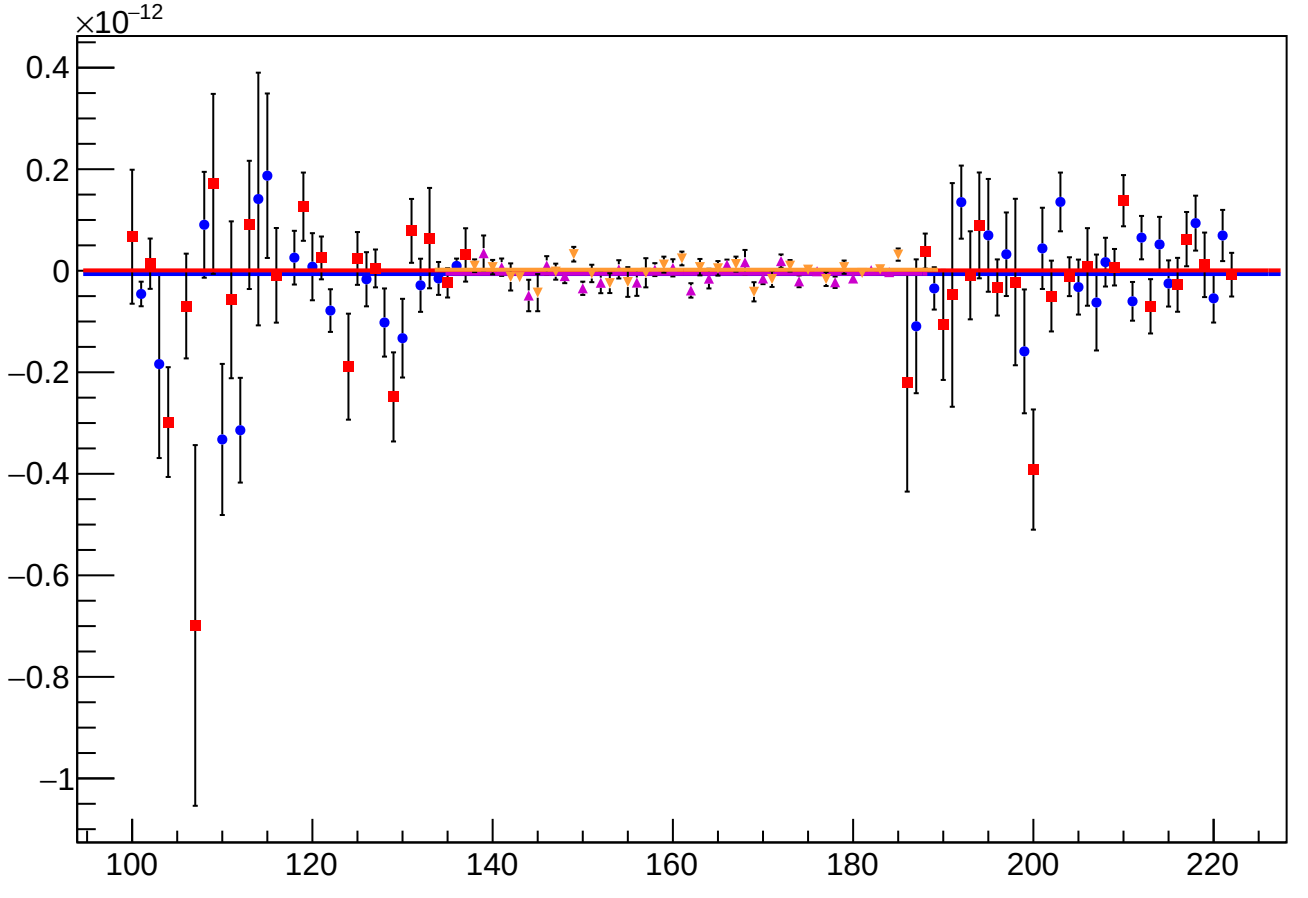
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 62.606+/-0.008 χ^2/NDF: 11453603.8/70

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.136+/-0.008 χ^2/NDF:8773897.0/60

All: 60.539+/-0.006 χ^2/NDF: 15152449.5/117



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: 59.2/37

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

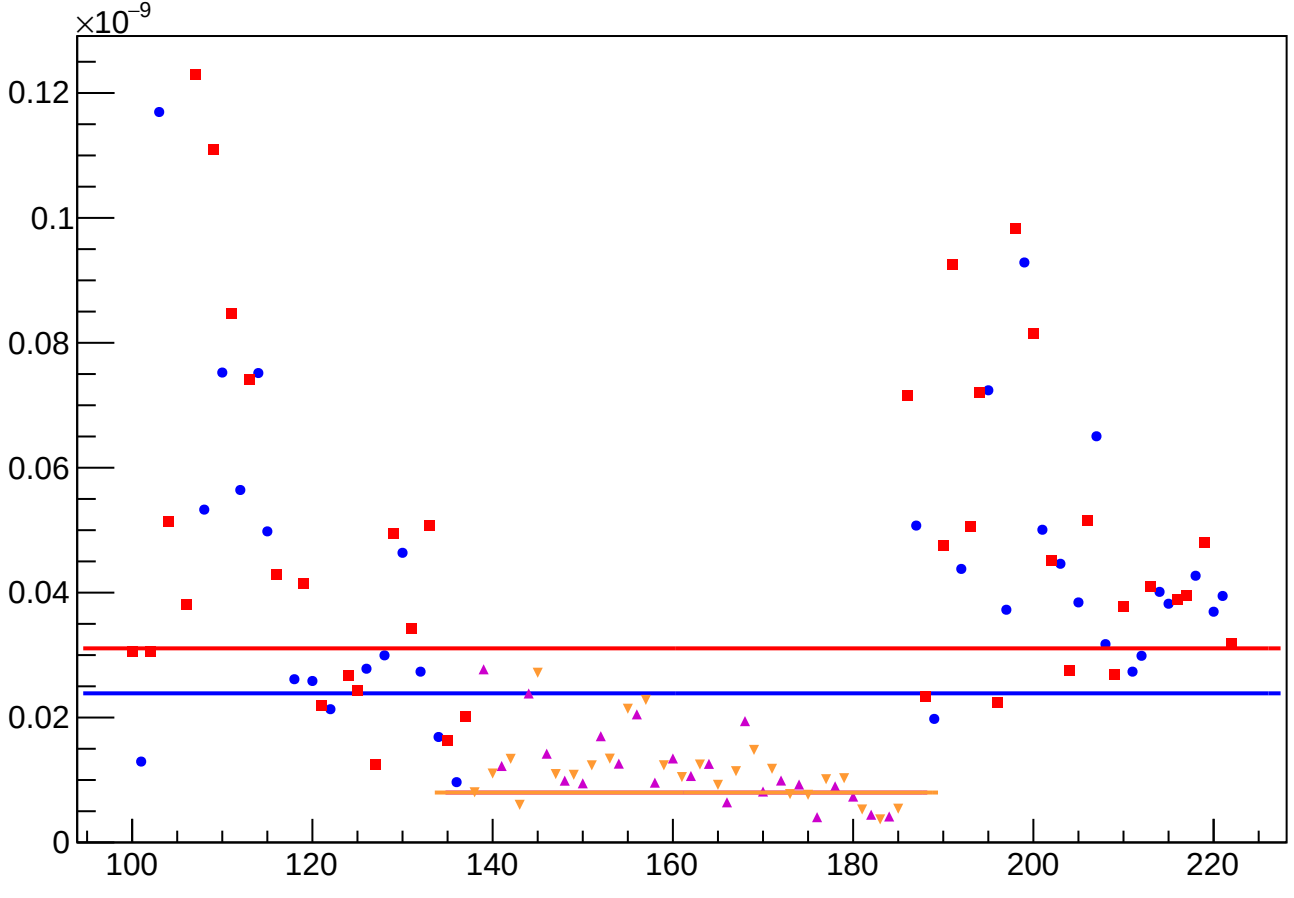
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 116.2/71

In: -0.000+/-0.000 χ^2/NDF:89.3/56

Out: 0.000+/-0.000 χ^2/NDF:91.1/62

All: -0.000+/-0.000 χ^2/NDF: 185.7/119



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: 4722633.4/37

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

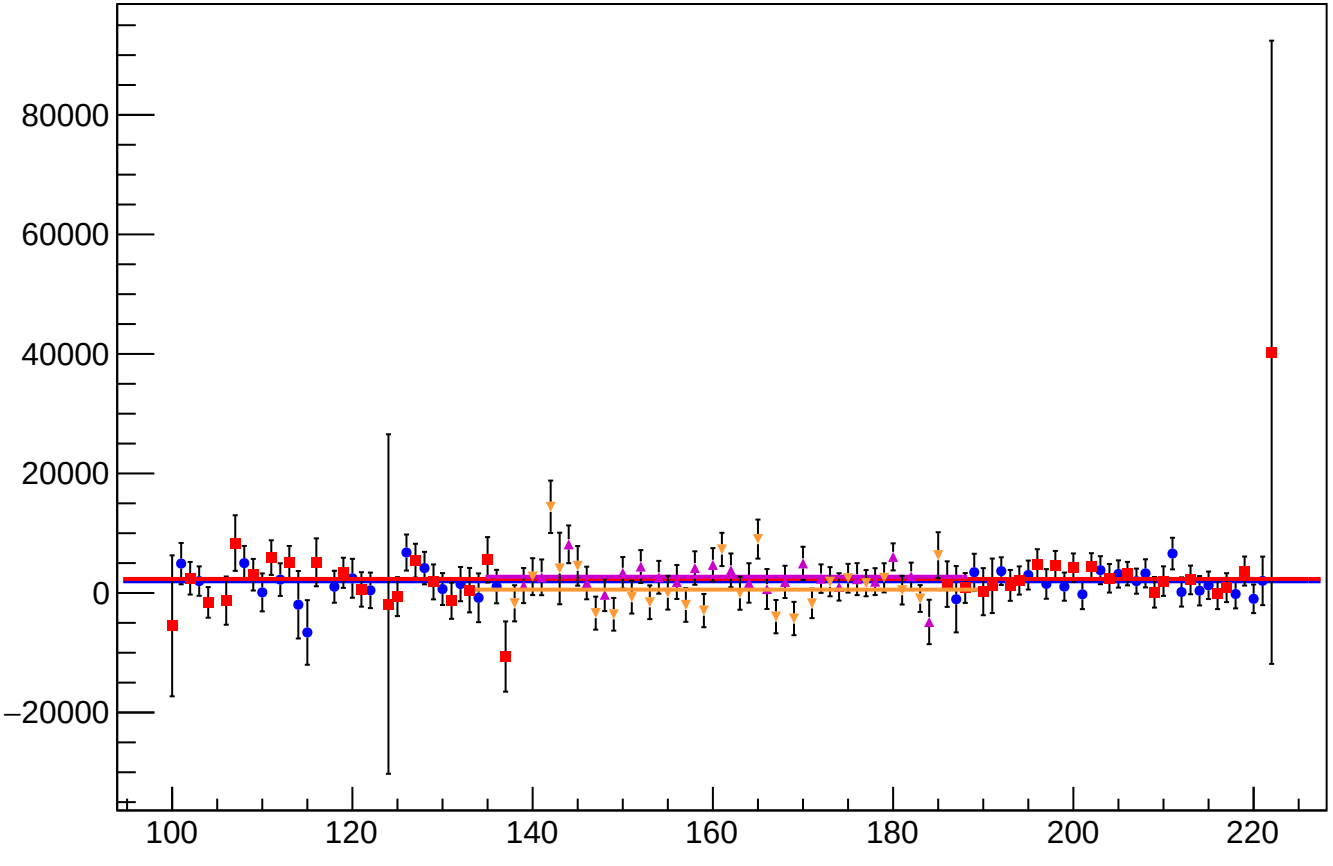
Right: 0.000+/-0.000 χ^2/NDF: 12670650.9/71

In: 0.000+/-0.000 χ^2/NDF:19680893.0/56

Out: 0.000+/-0.000 χ^2/NDF:20242782.2/62

All: 0.000+/-0.000 χ^2/NDF: 39924493.9/119

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: 2348.145+/-470.100 χ^2/NDF: 25.4/37

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

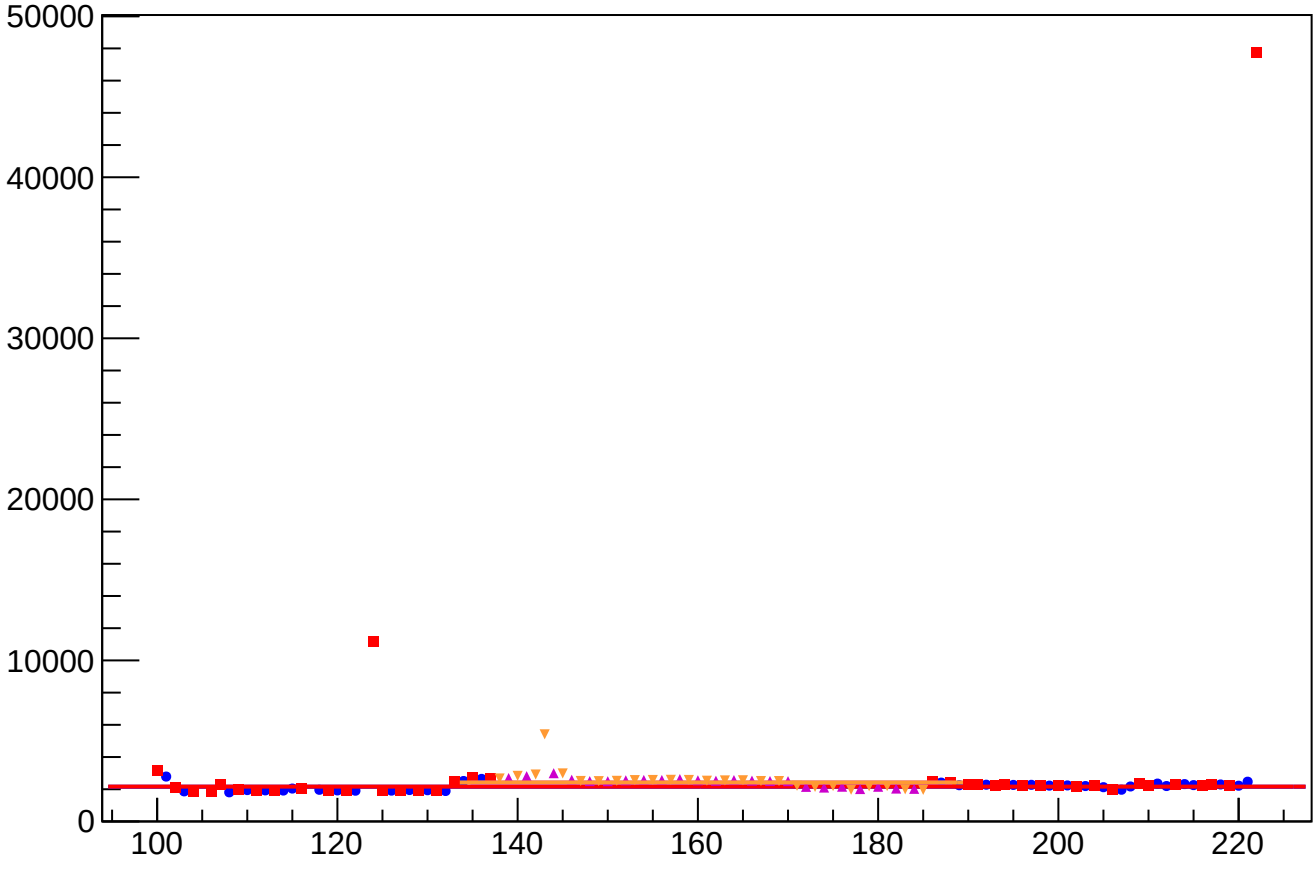
Right: 2151.659+/-331.667 χ^2/NDF: 45.2/71

In: 2265.111+/-360.728 χ^2/NDF:34.8/56

Out: 1605.775+/-359.336 χ^2/NDF:75.3/62

All: 1934.168+/-254.580 χ^2/NDF: 111.8/119

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: 2163.778+/-0.332 χ^2/NDF: 2157902.9/37

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

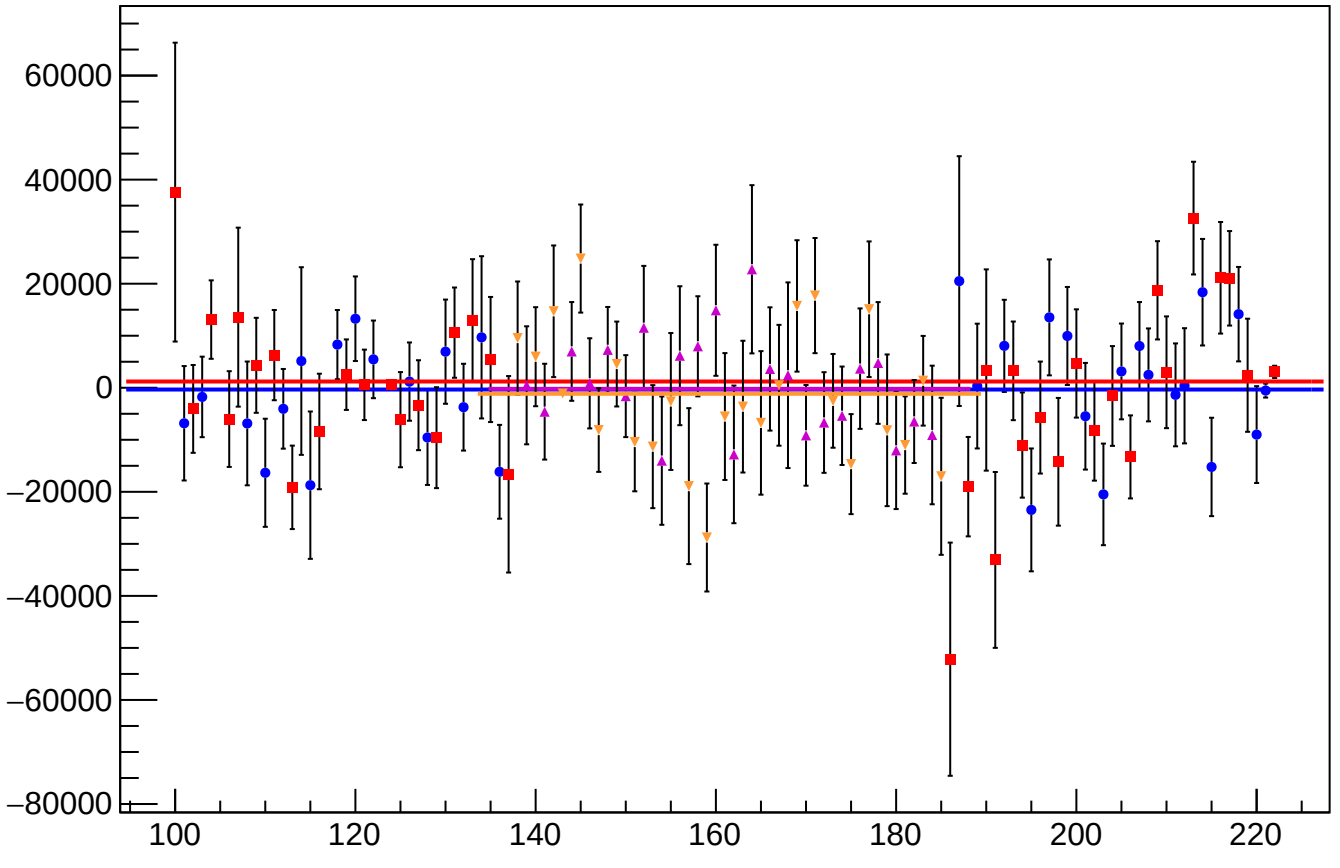
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2159.409+/-0.235 χ^2/NDF: 2557767.1/71

In: 2258.478+/-0.255 χ^2/NDF:1068399.3/56

Out: 2271.188+/-0.254 χ^2/NDF:3361919.1/62

All: 2264.858+/-0.180 χ^2/NDF: 4431564.6/11



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: 1202.189+/-623.803 χ^2/NDF: 64.1/37

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

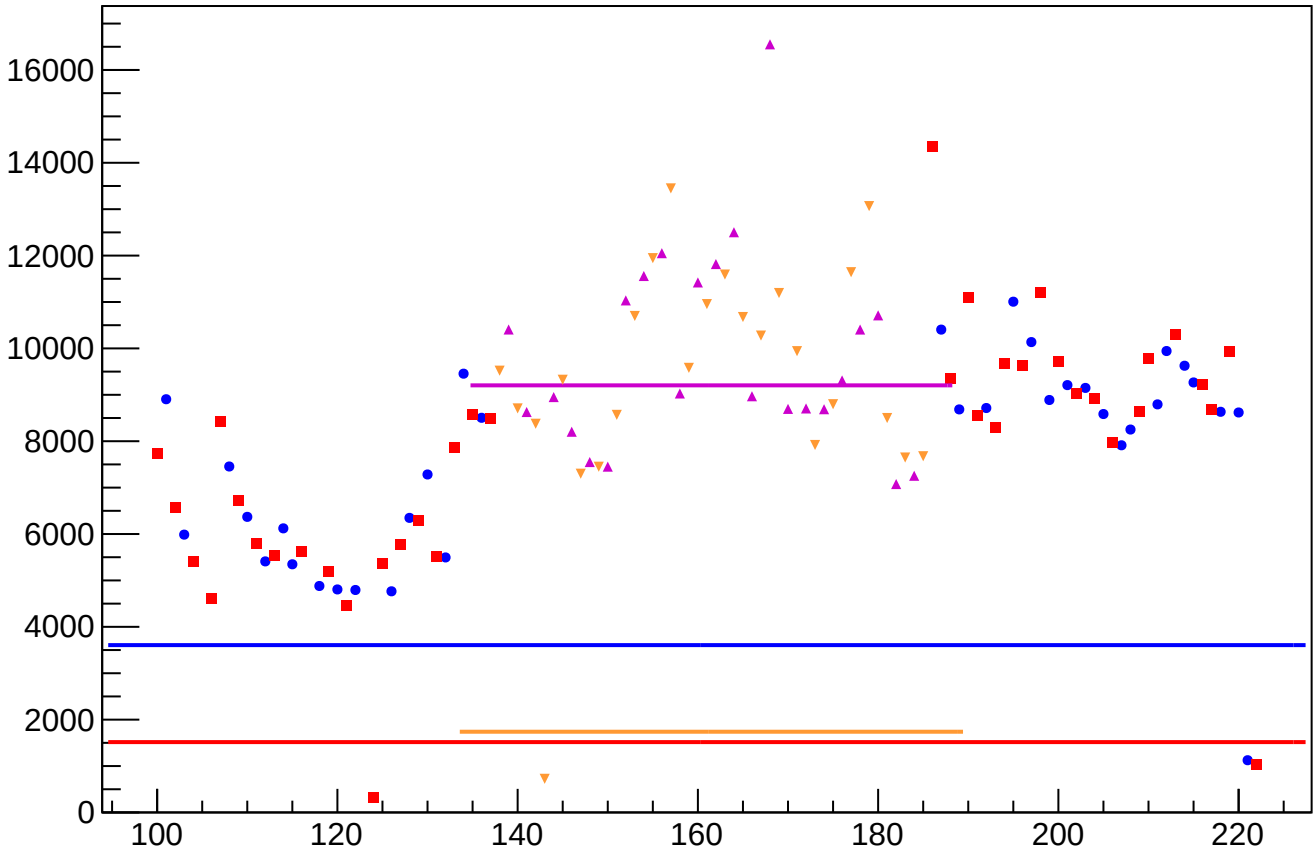
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 798.568+/-535.930 χ^2/NDF: 104.3/71

In: -315.010+/-945.184 χ^2/NDF:52.0/56

Out: 248.777+/-481.615 χ^2/NDF:101.8/62

All: 132.569+/-429.119 χ^2/NDF: 154.2/119



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: 1516.074+/-0.441 χ^2/NDF: 32348377.0/37

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

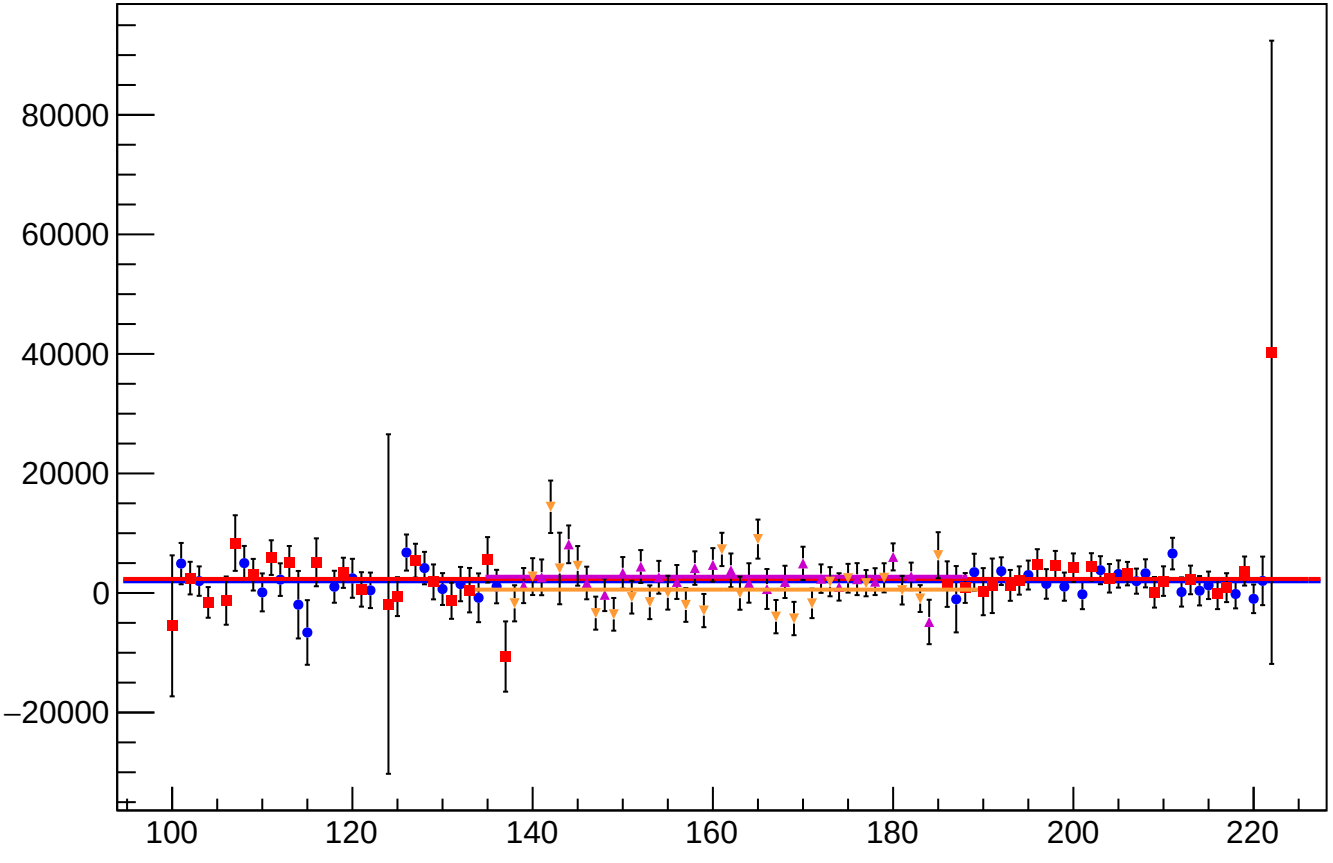
Right: 2063.414+/-0.379 χ^2/NDF: 57806026.4/71

In: 4643.923+/-0.668 χ^2/NDF:31445305.6/56

Out: 1606.398+/-0.341 χ^2/NDF:60186233.7/62

All: 2232.495+/-0.303 χ^2/NDF: 108029565.6

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1956.893+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2348.863+/-470.101 χ^2/NDF: 25.4/37

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

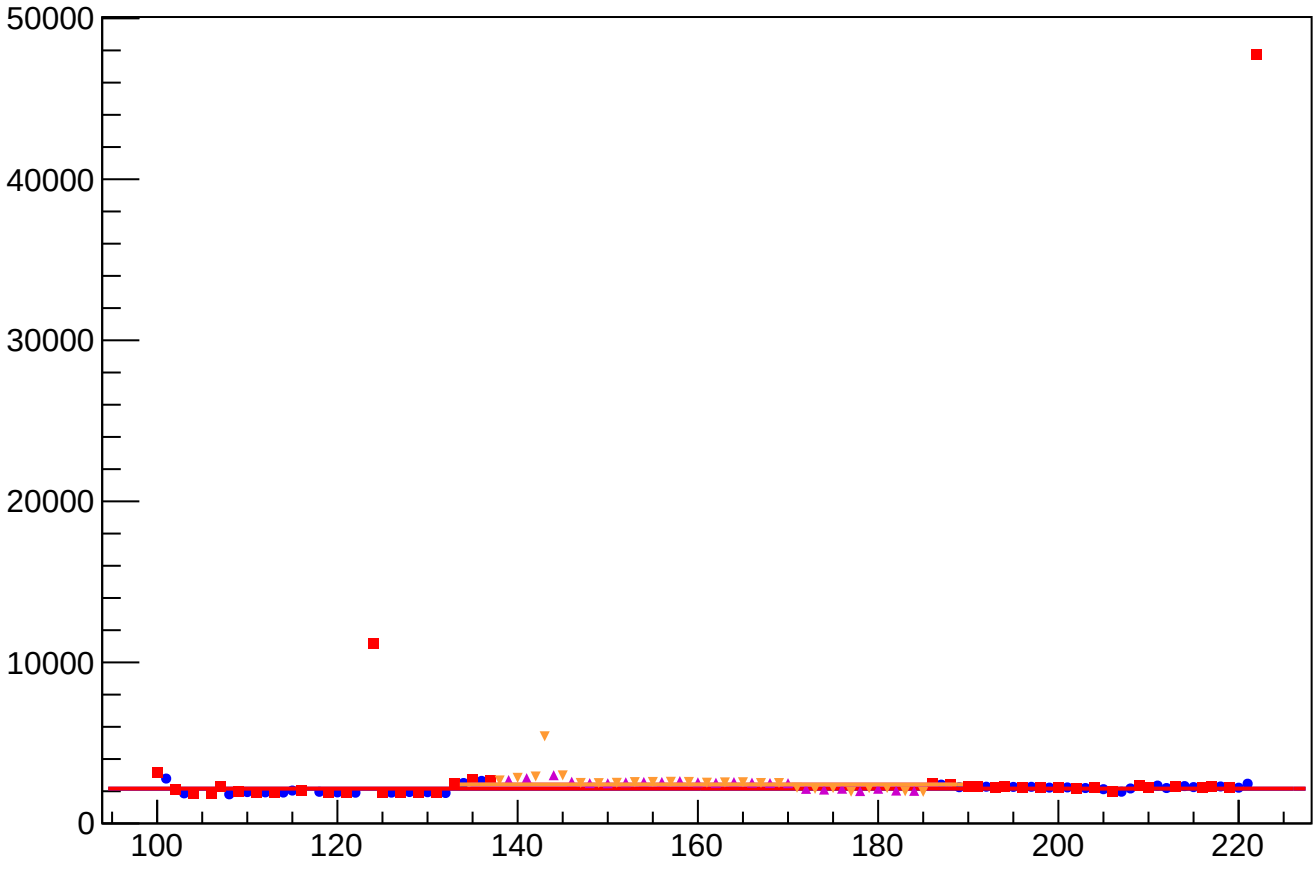
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

Right: 2152.002+/-331.668 χ^2/NDF: 45.2/71

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1606.191+/-359.337 χ^2/NDF:75.4/62

All: 1934.362+/-254.580 χ^2/NDF: 111.8/119



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: 2163.787+/-0.332 χ^2/NDF: 2157891.8/37

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

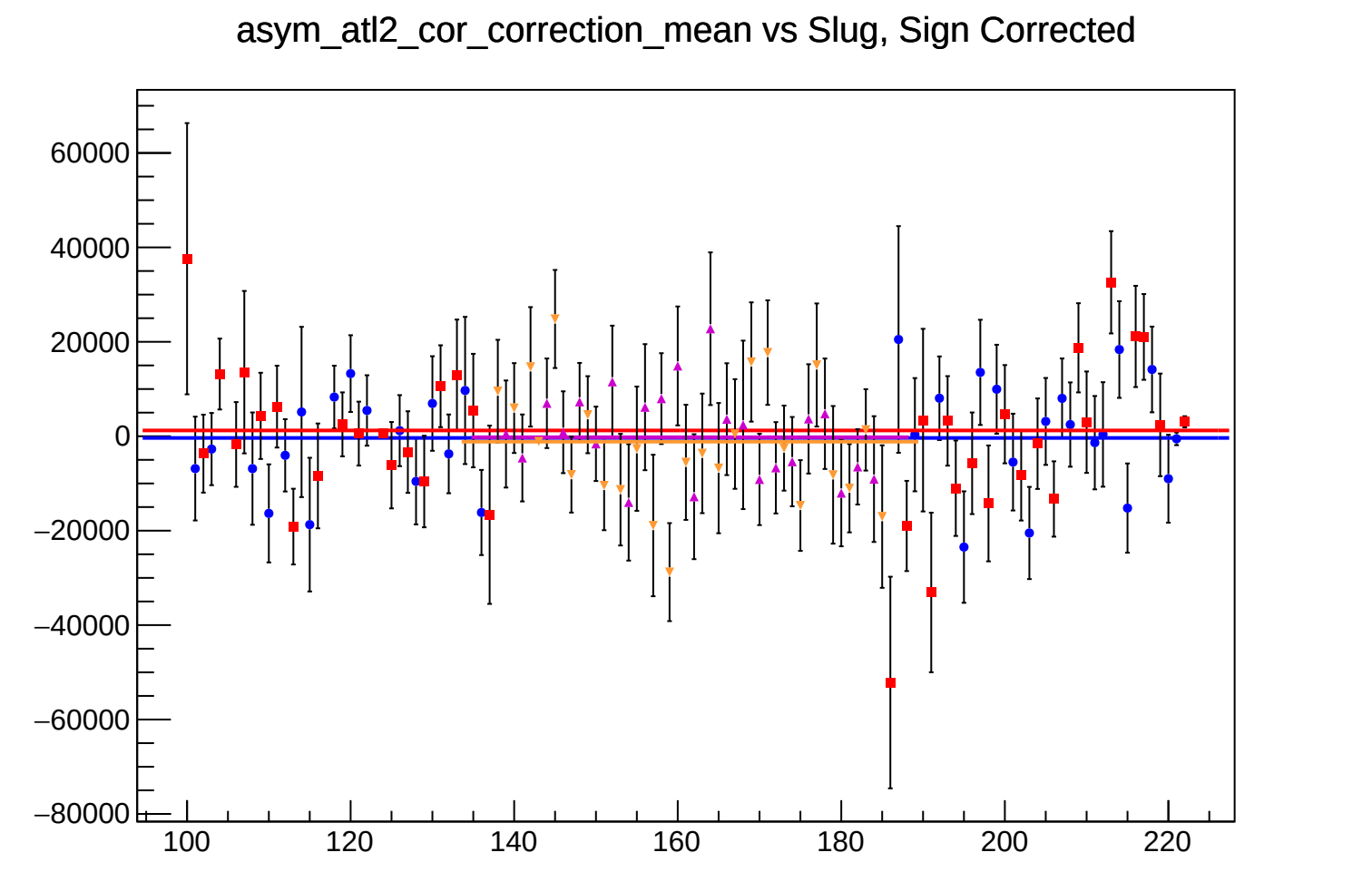
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2159.414+/-0.235 χ^2/NDF: 2557756.7/71

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2271.194+/-0.254 χ^2/NDF:3361888.8/62

All: 2264.861+/-0.180 χ^2/NDF: 4431535.6/11



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: 1225.736+/-623.613 χ^2/NDF: 63.6/37

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

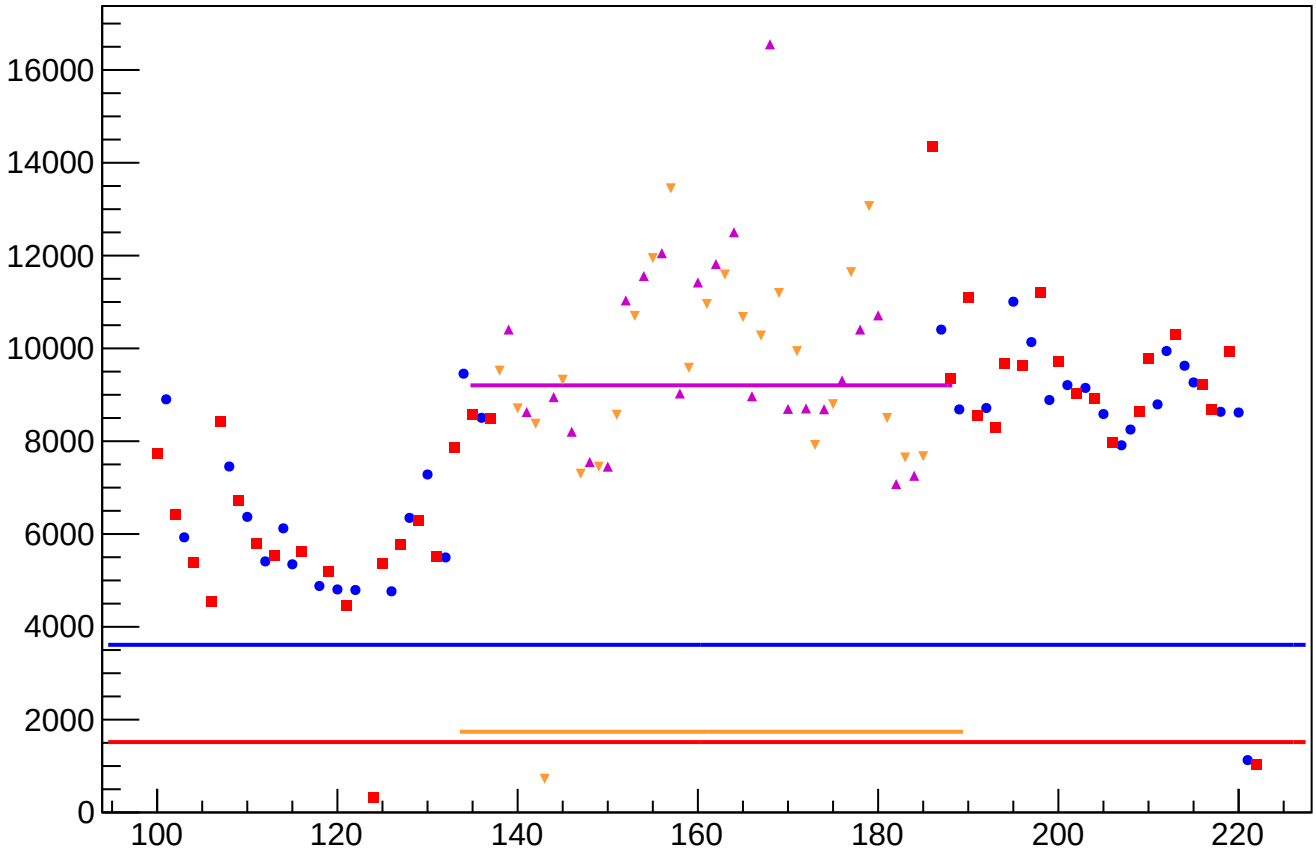
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 811.067+/-535.911 χ^2/NDF: 104.0/71

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: 263.162+/-481.511 χ^2/NDF:101.5/62

All: 140.624+/-429.097 χ^2/NDF: 153.9/119



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: 1516.824+/-0.441 χ^2/NDF: 32339503.0/37

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

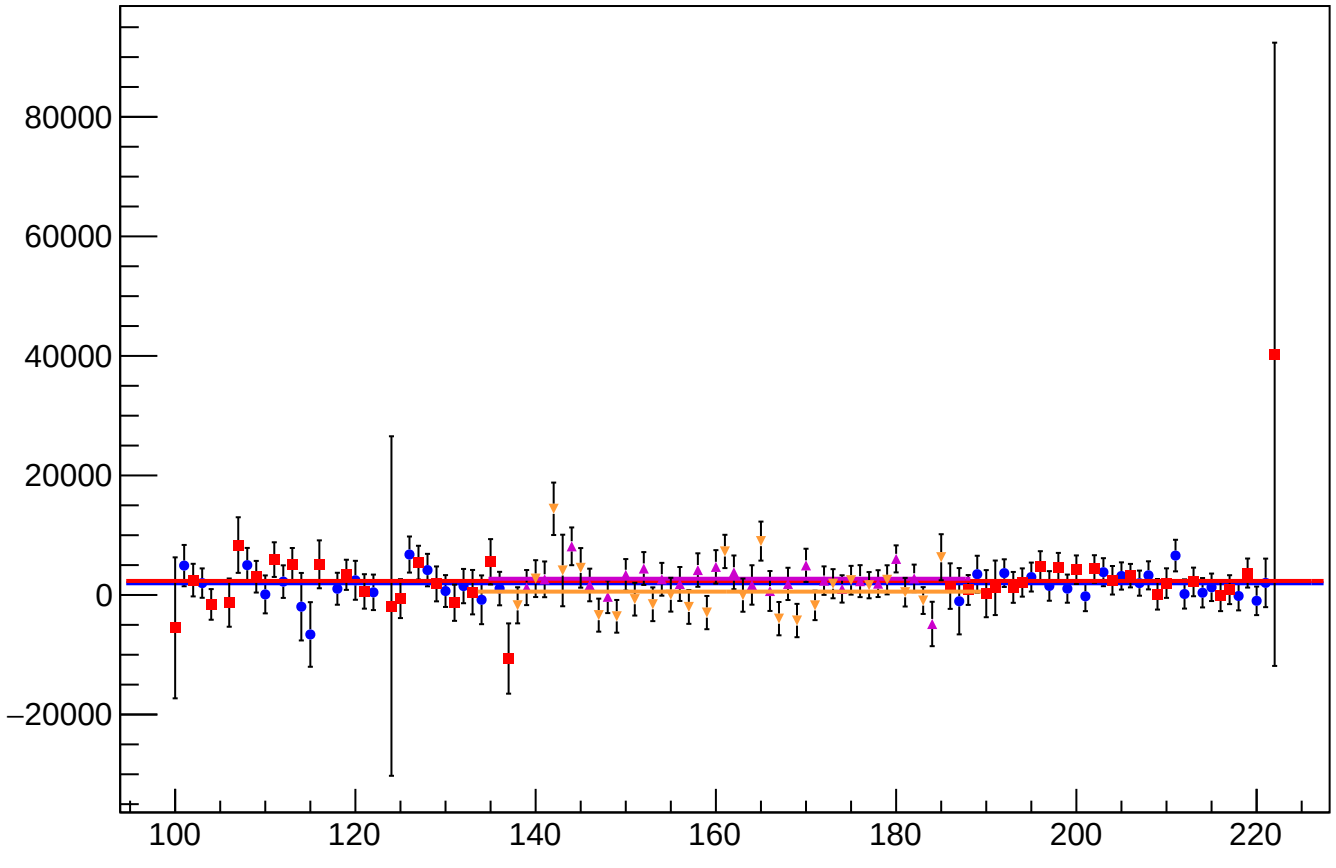
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2064.736+/-0.379 χ^2/NDF: 57782172.5/71

In: 4650.133+/-0.669 χ^2/NDF:31379464.4/56

Out: 1606.726+/-0.340 χ^2/NDF:60177529.8/62

All: 2233.232+/-0.303 χ^2/NDF: 108004600.3



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: 2348.863+/-470.101 χ^2/NDF: 25.4/37

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

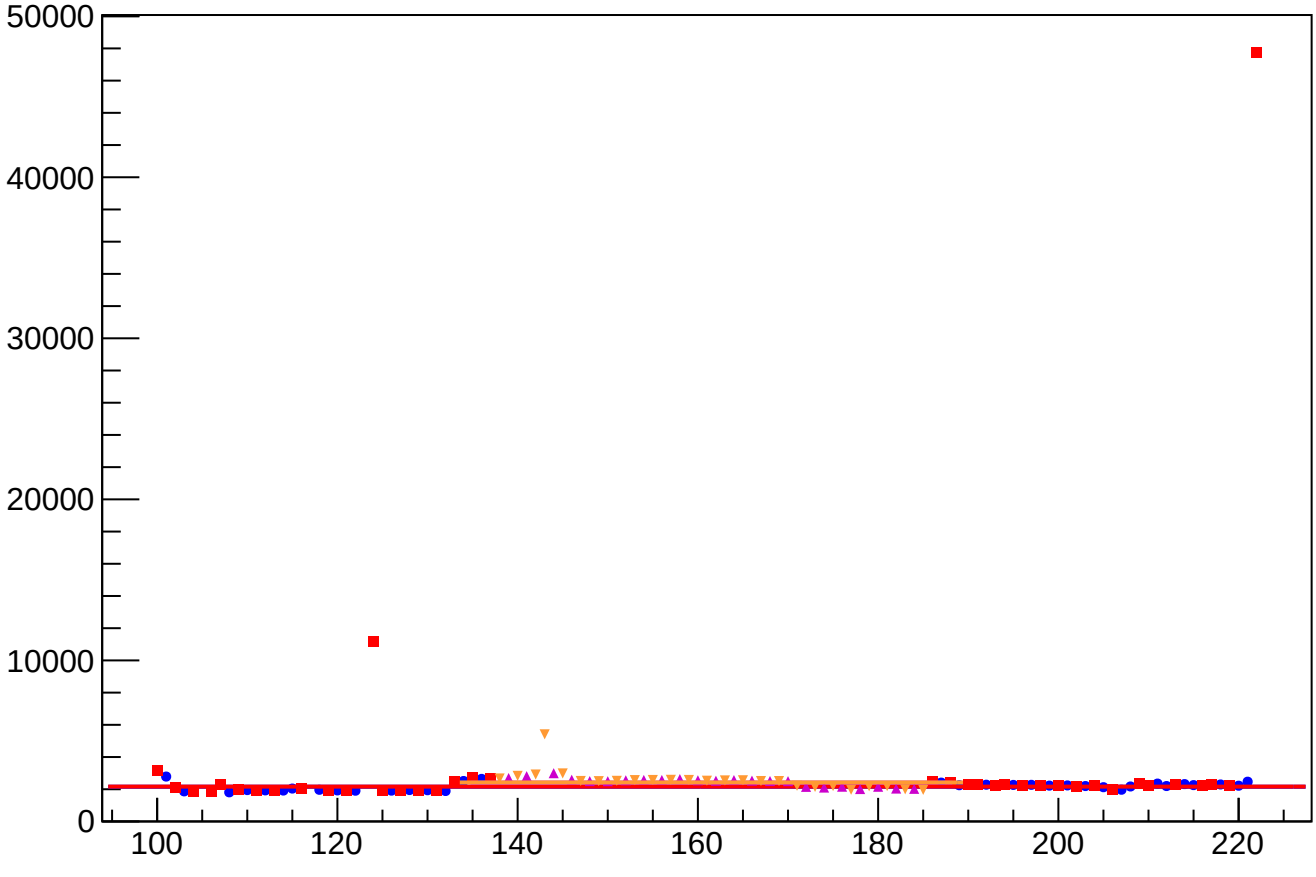
Right: 2152.002+/-331.668 χ^2/NDF: 45.2/71

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1606.191+/-359.337 χ^2/NDF:75.4/62

All: 1934.362+/-254.580 χ^2/NDF: 111.8/119

eigen_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: 2163.787+/-0.332 χ^2/NDF: 2157891.8/37

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

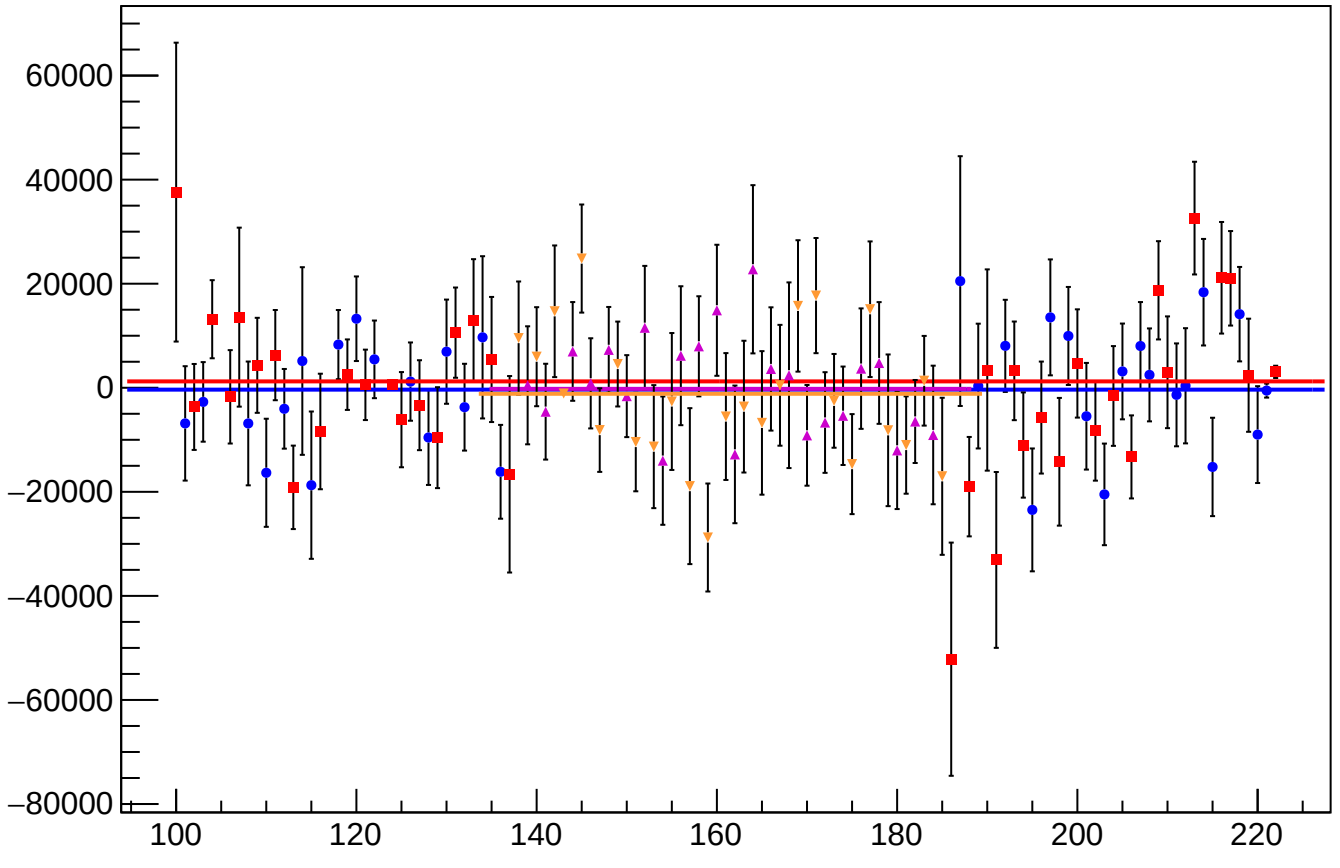
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2159.414+/-0.235 χ^2/NDF: 2557756.7/71

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2271.194+/-0.254 χ^2/NDF:3361888.8/62

All: 2264.861+/-0.180 χ^2/NDF: 4431535.6/11



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: 1225.736+/-623.613 χ^2/NDF: 63.6/37

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

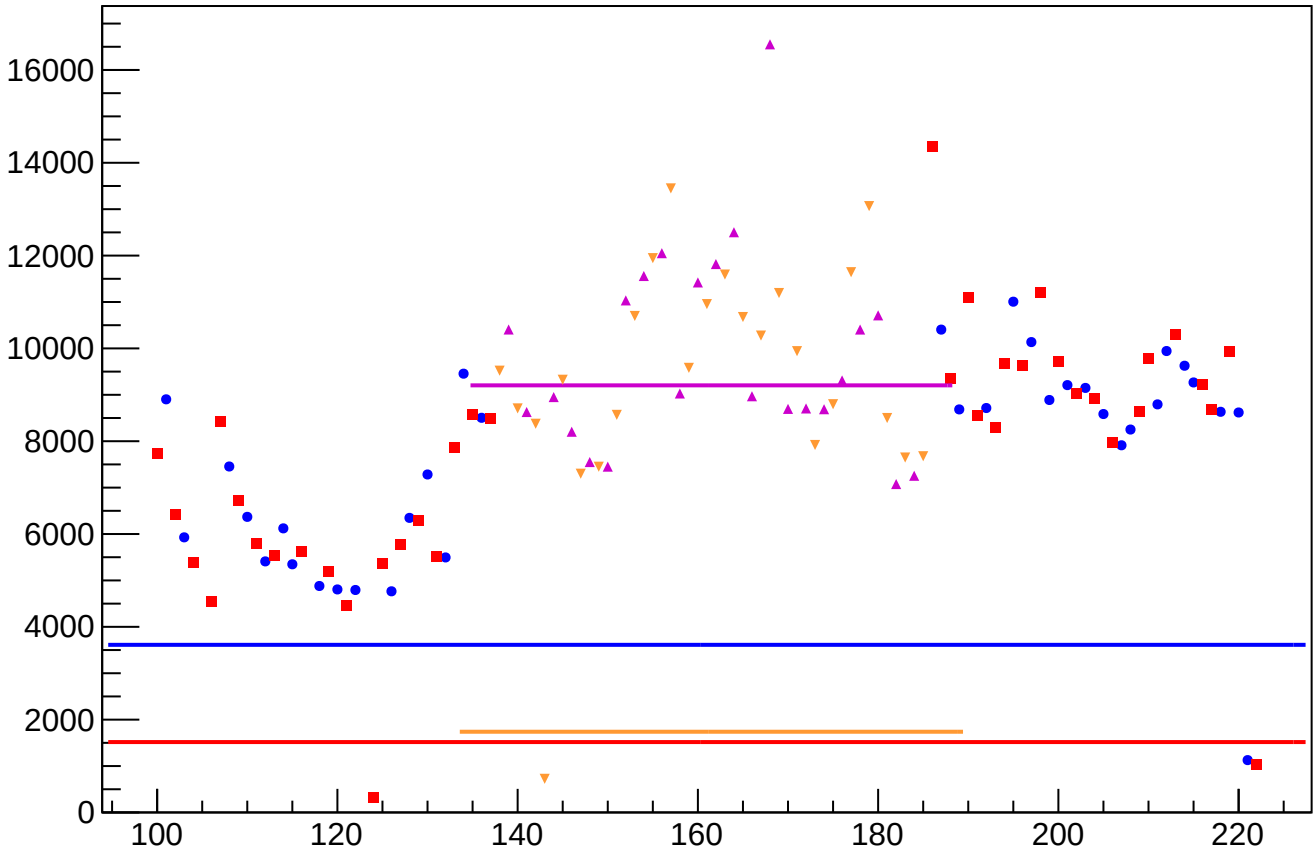
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 811.067+/-535.911 χ^2/NDF: 104.0/71

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: 263.162+/-481.511 χ^2/NDF:101.5/62

All: 140.624+/-429.097 χ^2/NDF: 153.9/119



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: 1516.824+/-0.441 χ^2/NDF: 32339503.0/37

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

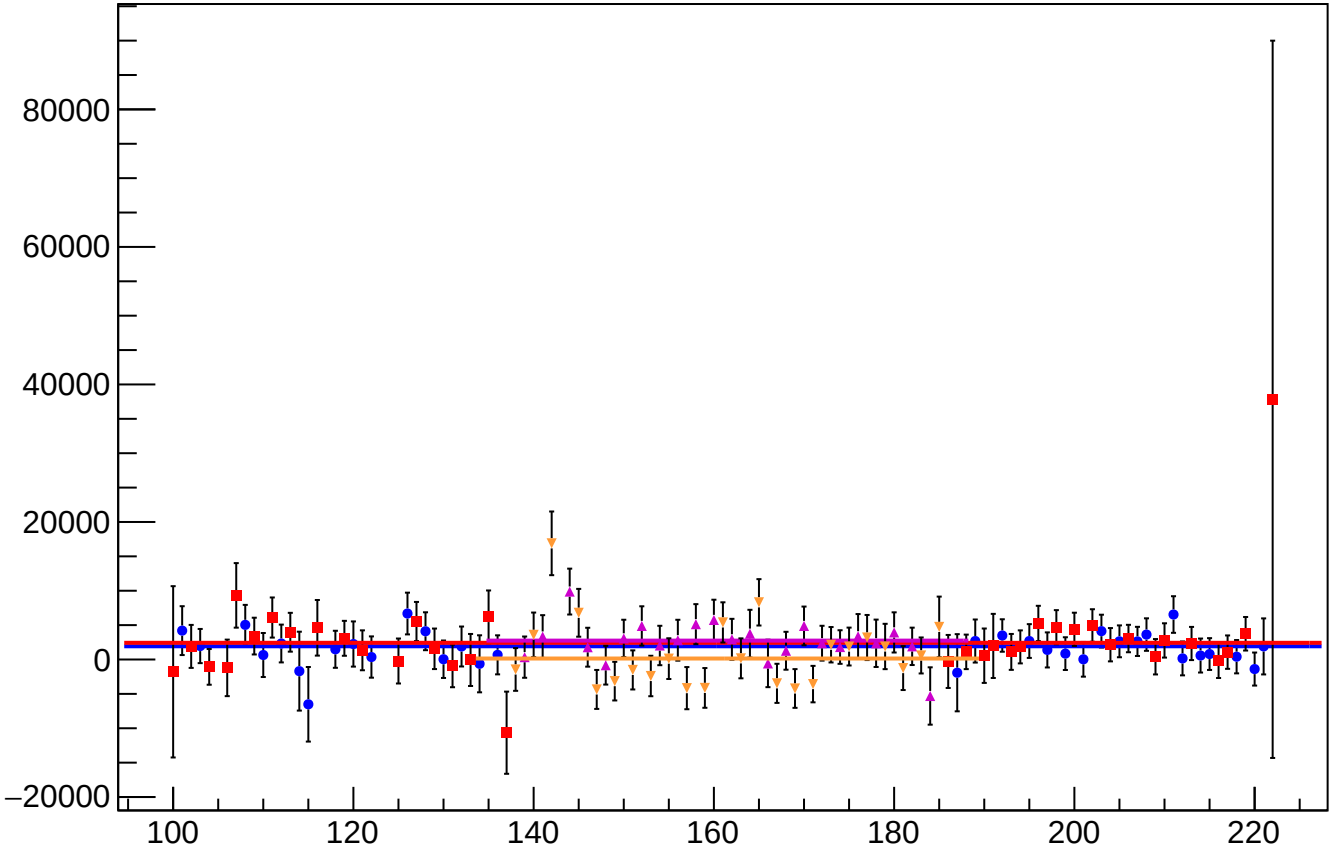
Right: 2064.736+/-0.379 χ^2/NDF: 57782172.5/71

In: 4650.133+/-0.669 χ^2/NDF:31379464.4/56

Out: 1606.726+/-0.340 χ^2/NDF:60177529.8/62

All: 2233.232+/-0.303 χ^2/NDF: 108004600.3

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: 2426.205+/-477.177 χ^2/NDF: 24.6/36

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

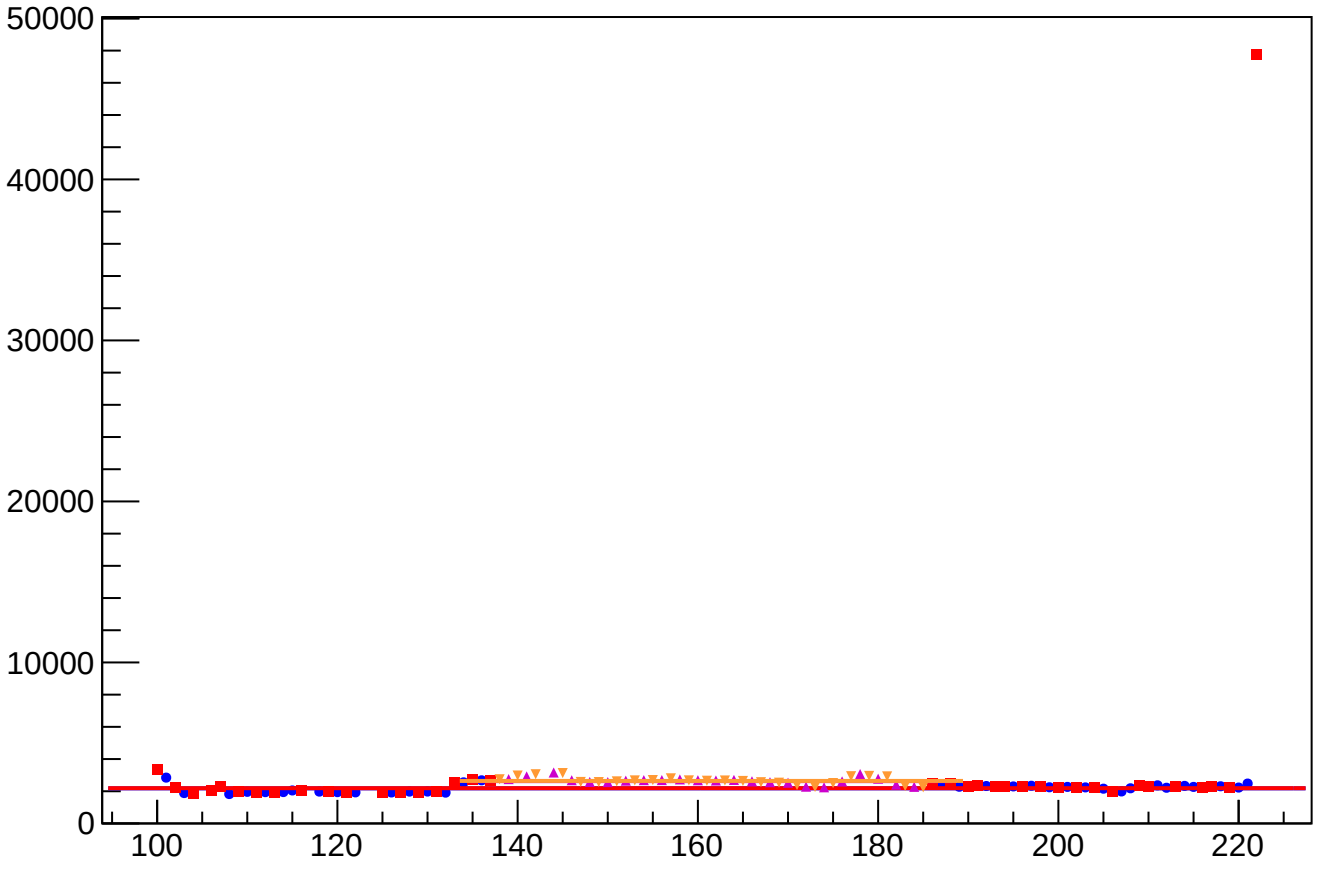
Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

Right: 2172.730+/-336.080 χ^2/NDF: 44.0/70

In: 2228.664+/-375.400 χ^2/NDF:35.4/56

Out: 1569.291+/-377.172 χ^2/NDF:79.0/60

All: 1900.530+/-266.072 χ^2/NDF: 115.9/117



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: 2190.848+/-0.337 χ^2/NDF: 1955295.1/36

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

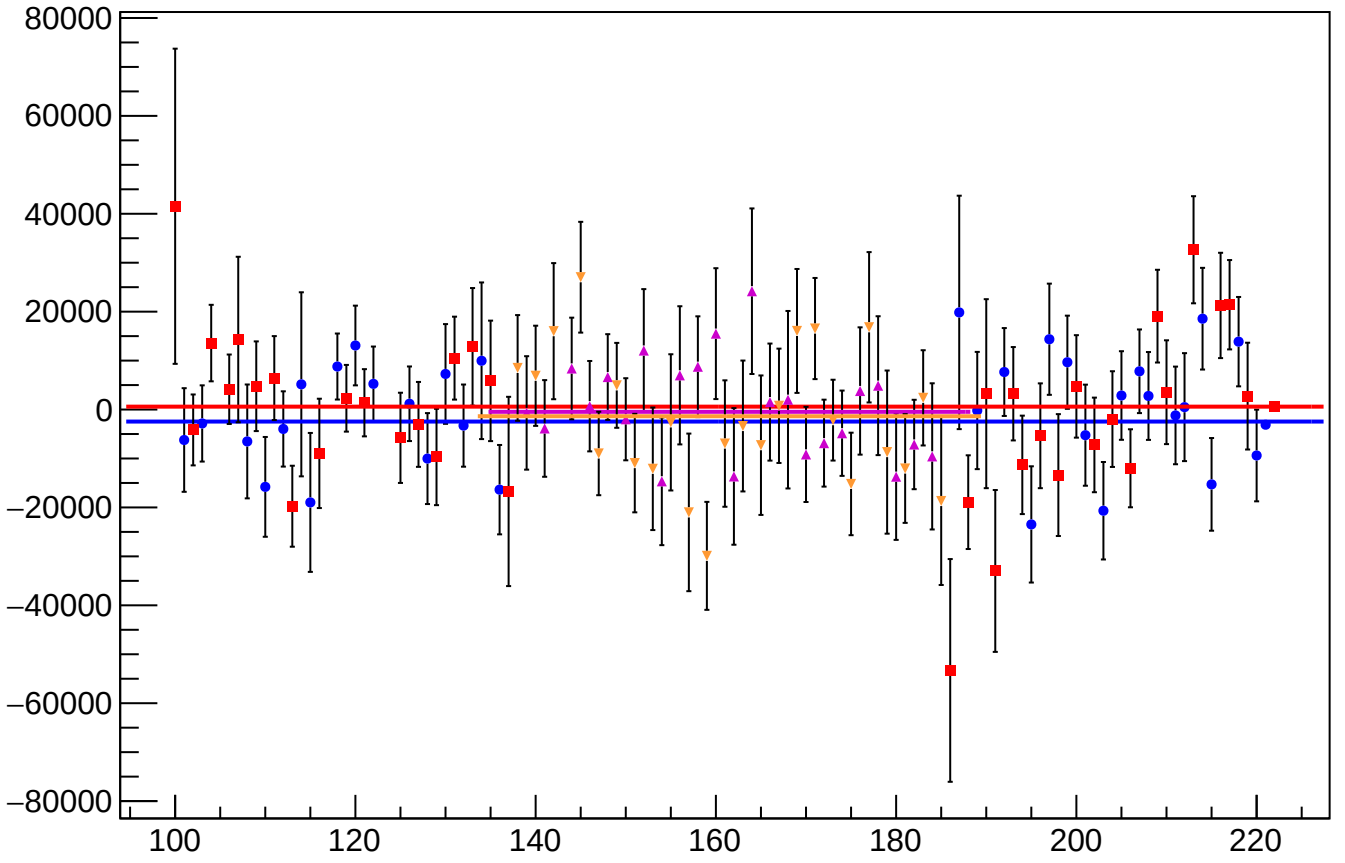
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2185.039+/-0.238 χ^2/NDF: 2363970.4/70

In: 2345.926+/-0.265 χ^2/NDF:1312834.8/56

Out: 2359.632+/-0.267 χ^2/NDF:2876823.3/60

All: 2352.749+/-0.188 χ^2/NDF: 4190985.2/11



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: 593.118+/-759.433 χ^2/NDF: 60.1/36

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

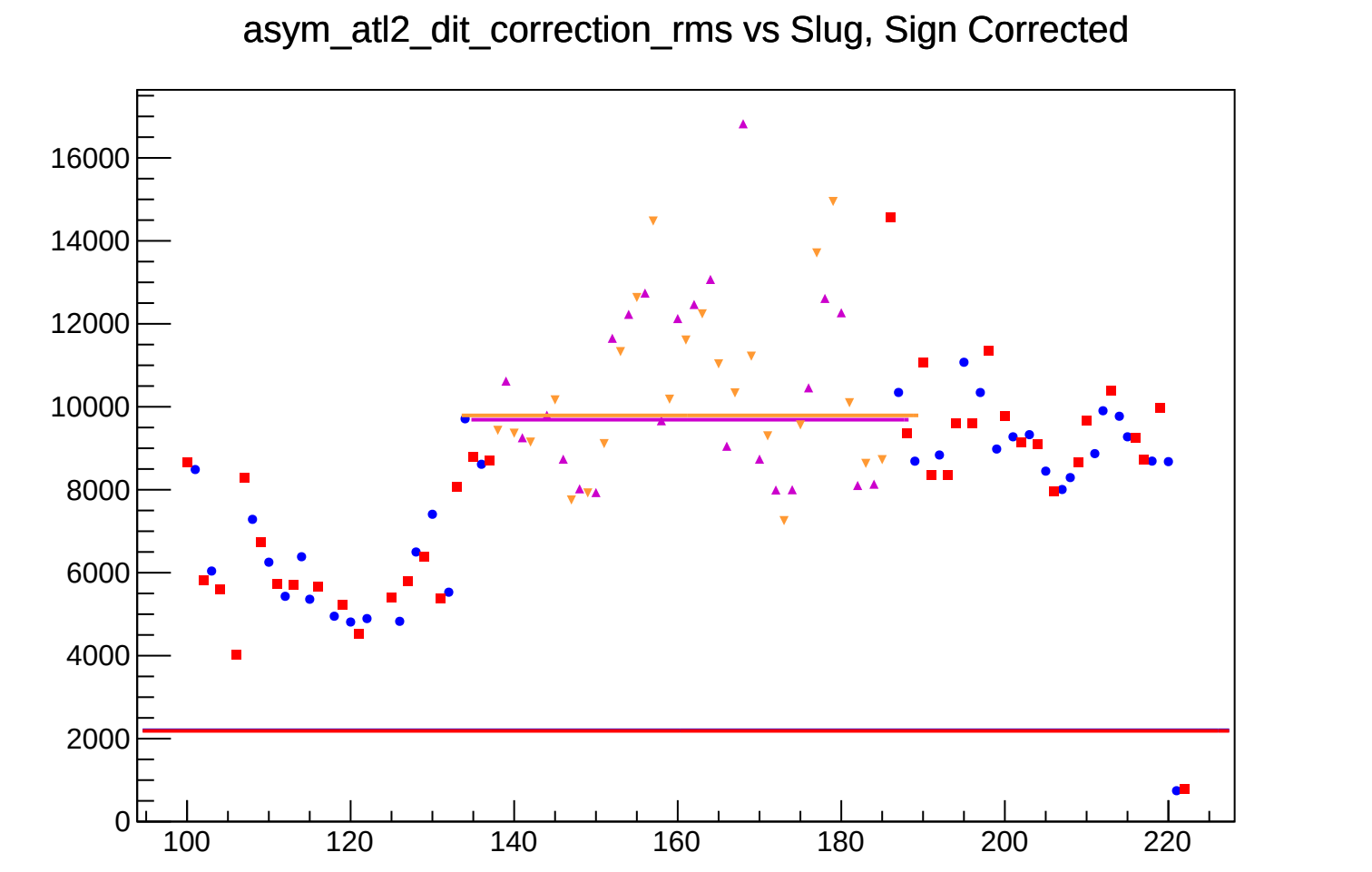
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -887.218+/-544.610 χ^2/NDF: 108.6/70

In: -2250.829+/-740.368 χ^2/NDF:54.4/56

Out: 404.354+/-721.937 χ^2/NDF:92.0/60

All: -889.777+/-516.880 χ^2/NDF: 153.0/117



Right In: 2201.572+/-0.553 χ^2/NDF: 27438678.0/33

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 2187.085+/-0.537 χ^2/NDF: 27665314.2/36

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

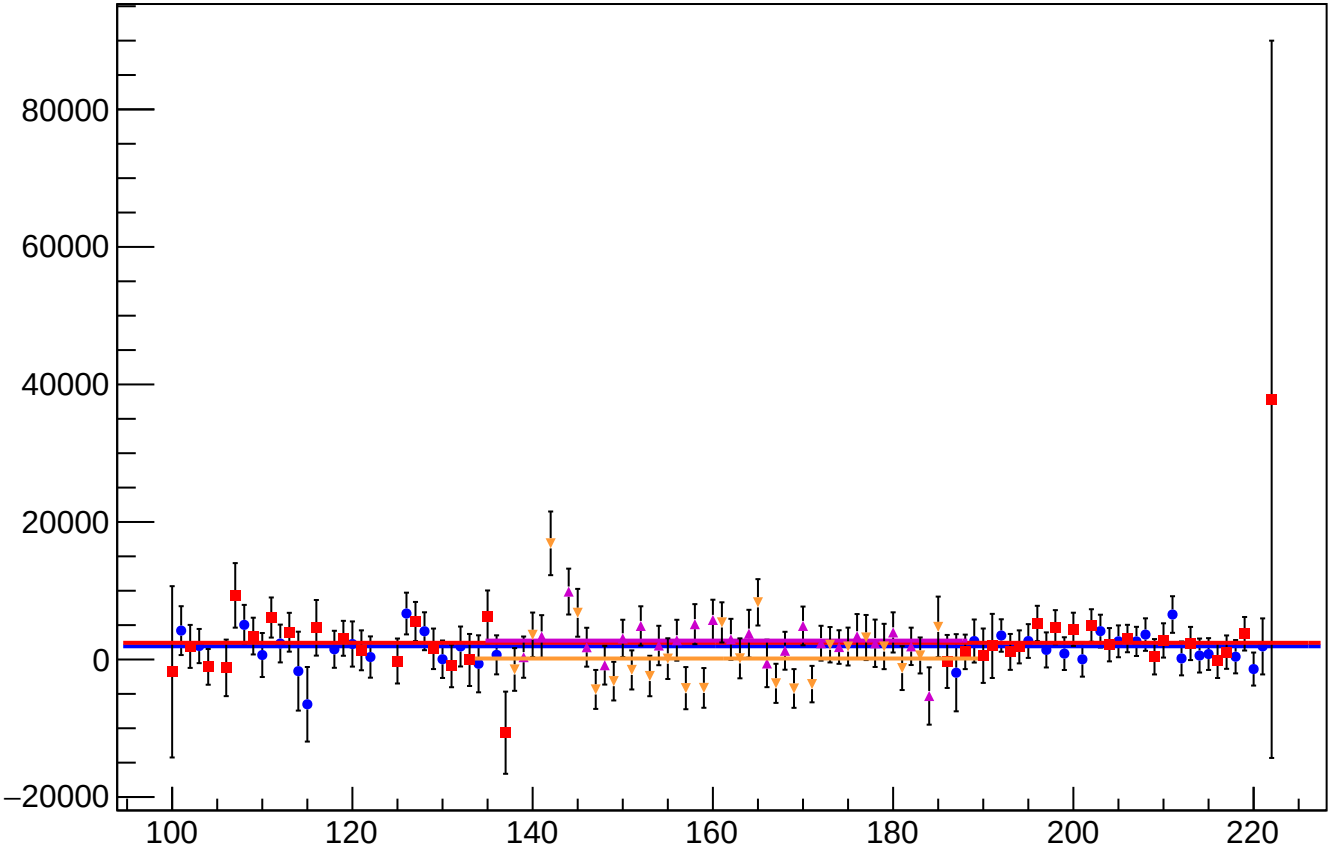
Right: 2194.122+/-0.385 χ^2/NDF: 55104345.7/70

In: 2967.652+/-0.524 χ^2/NDF:47601896.3/56

Out: 2919.537+/-0.510 χ^2/NDF:48201277.6/60

All: 2942.988+/-0.365 χ^2/NDF: 95807503.7/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1923.229+/-473.425 χ^2/NDF: 18.8/33

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2426.201+/-477.177 χ^2/NDF: 24.6/36

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

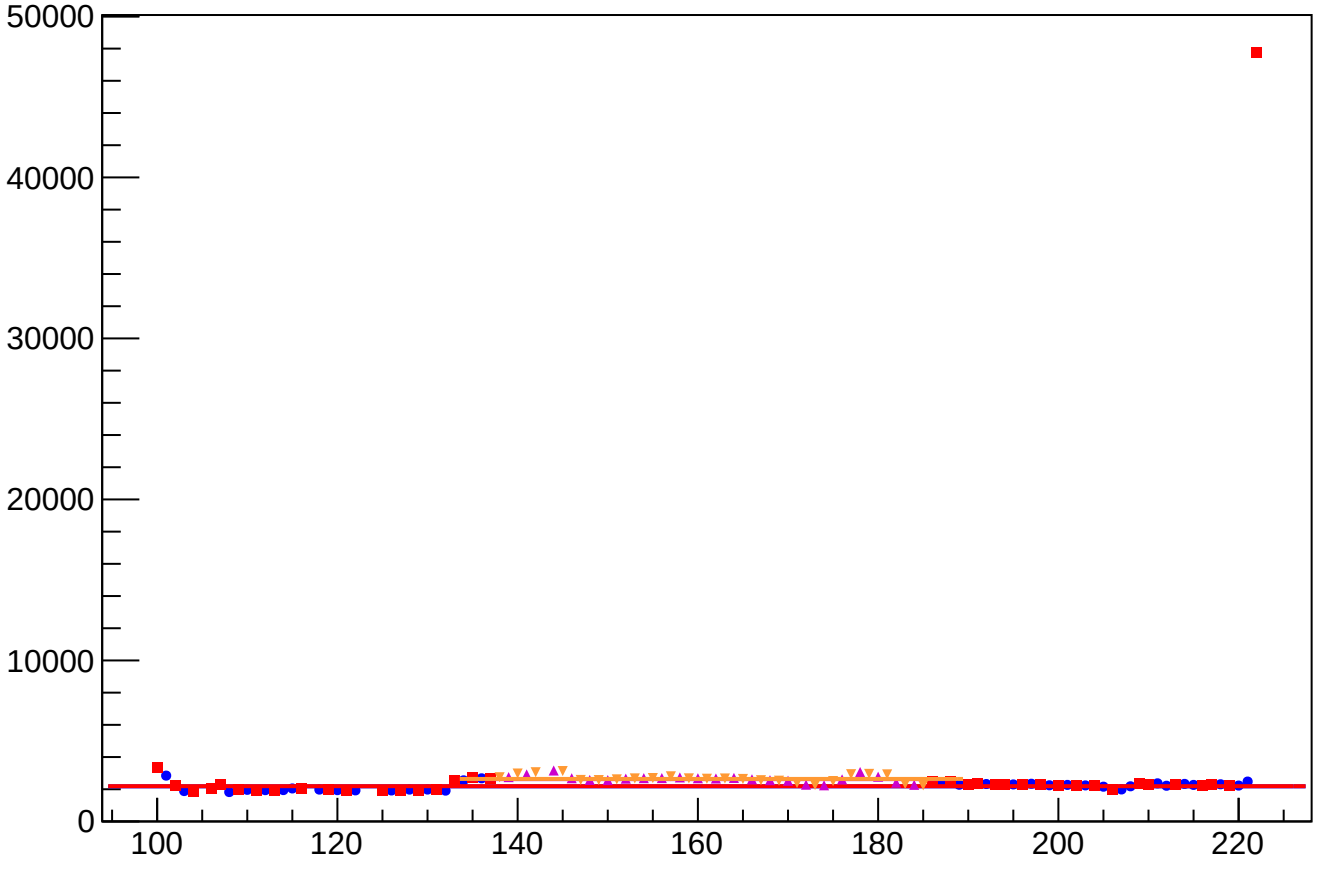
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

Right: 2172.730+/-336.080 χ^2/NDF: 44.0/70

In: 2228.665+/-375.400 χ^2/NDF:35.4/56

Out: 1569.285+/-377.172 χ^2/NDF:79.0/60

All: 1900.528+/-266.072 χ^2/NDF: 115.9/117



Right In: 2179.316+/-0.335 χ^2/NDF: 408086.3/33

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2190.848+/-0.337 χ^2/NDF: 1955295.7/36

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

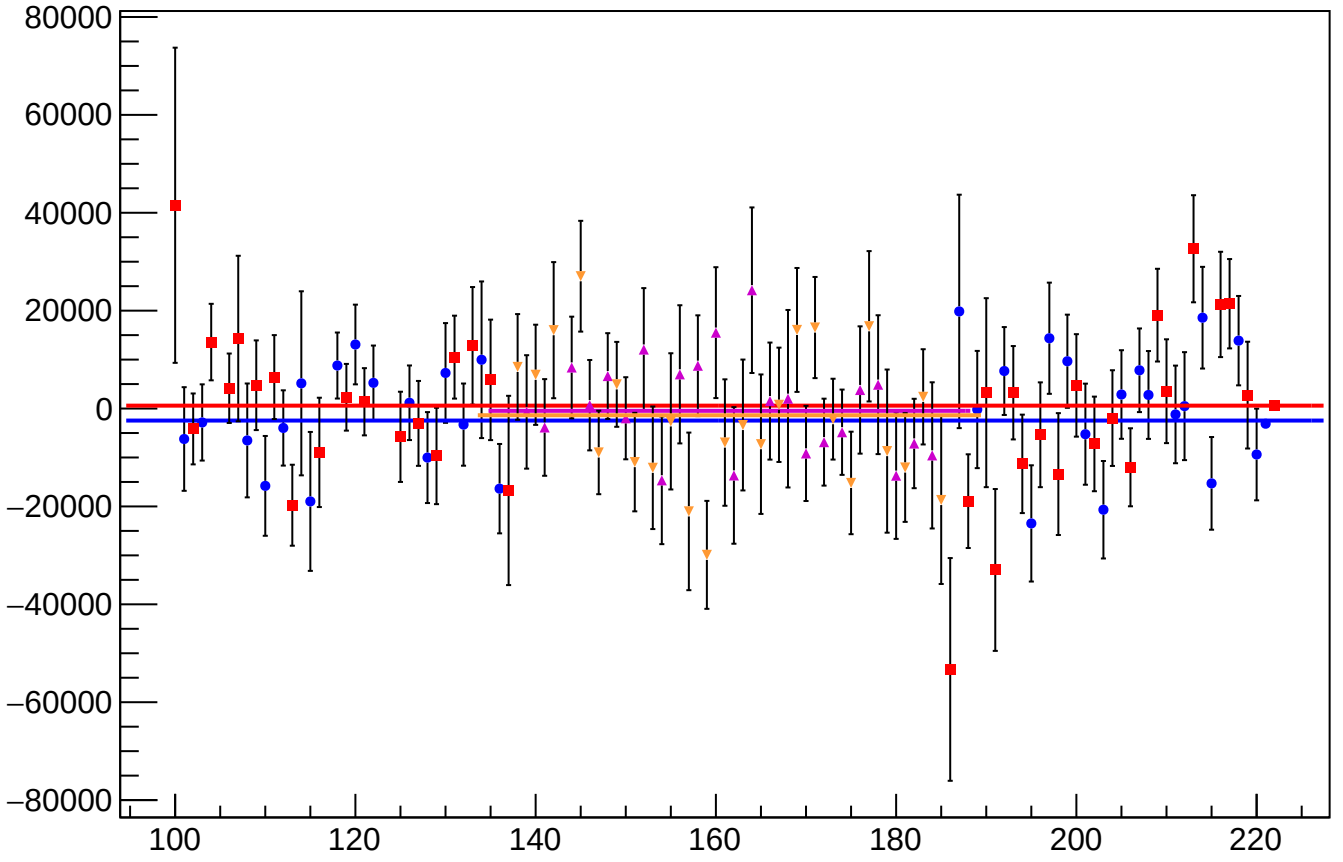
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2185.040+/-0.238 χ^2/NDF: 2363971.0/70

In: 2345.927+/-0.265 χ^2/NDF:1312849.1/56

Out: 2359.632+/-0.267 χ^2/NDF:2876839.3/60

All: 2352.750+/-0.188 χ^2/NDF: 4191015.5/11



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: 593.117+/-759.433 χ^2/NDF: 60.1/36

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

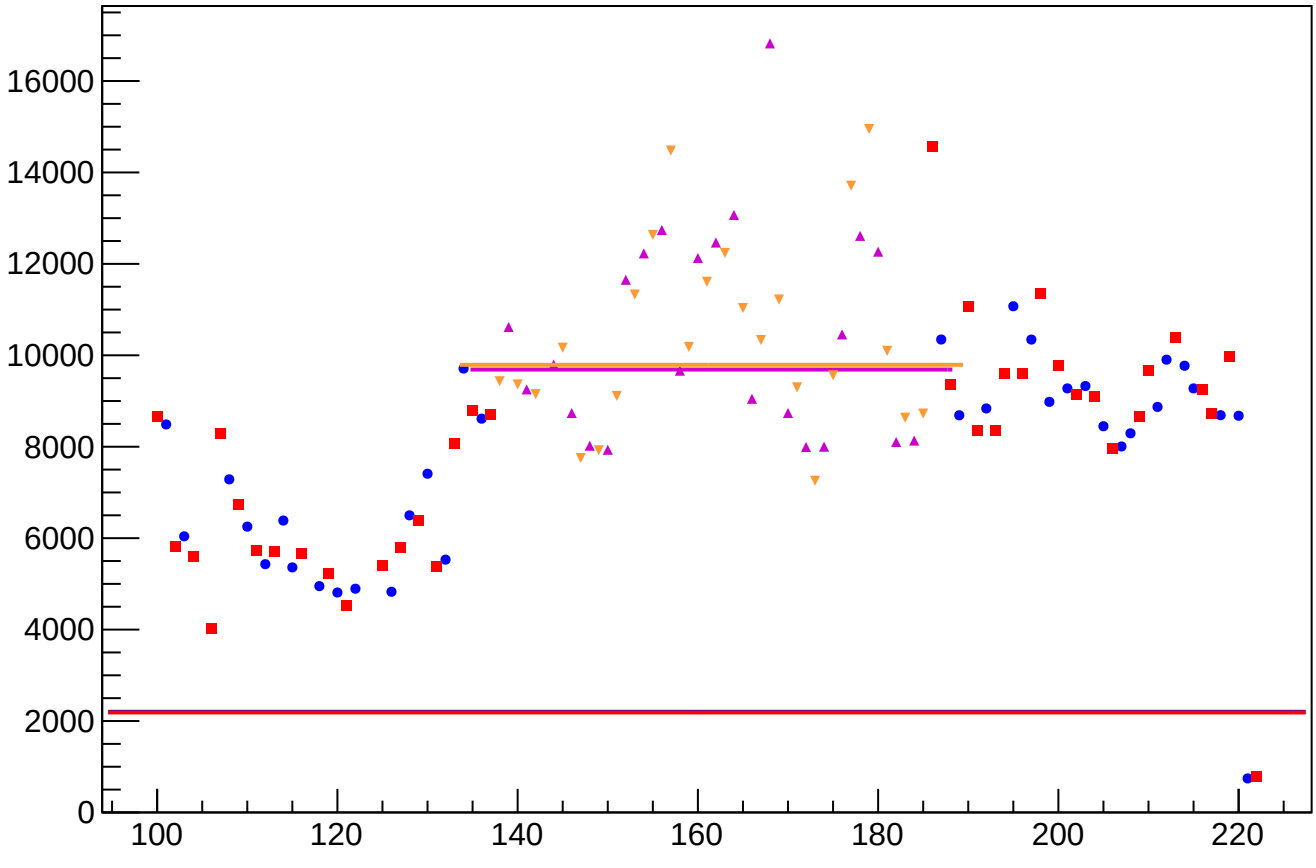
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -887.213+/-544.610 χ^2/NDF: 108.6/70

In: -2250.828+/-740.369 χ^2/NDF:54.4/56

Out: 404.354+/-721.937 χ^2/NDF:92.0/60

All: -889.774+/-516.880 χ^2/NDF: 153.0/117



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: 2187.084+/-0.537 χ^2/NDF: 27665314.0/36

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

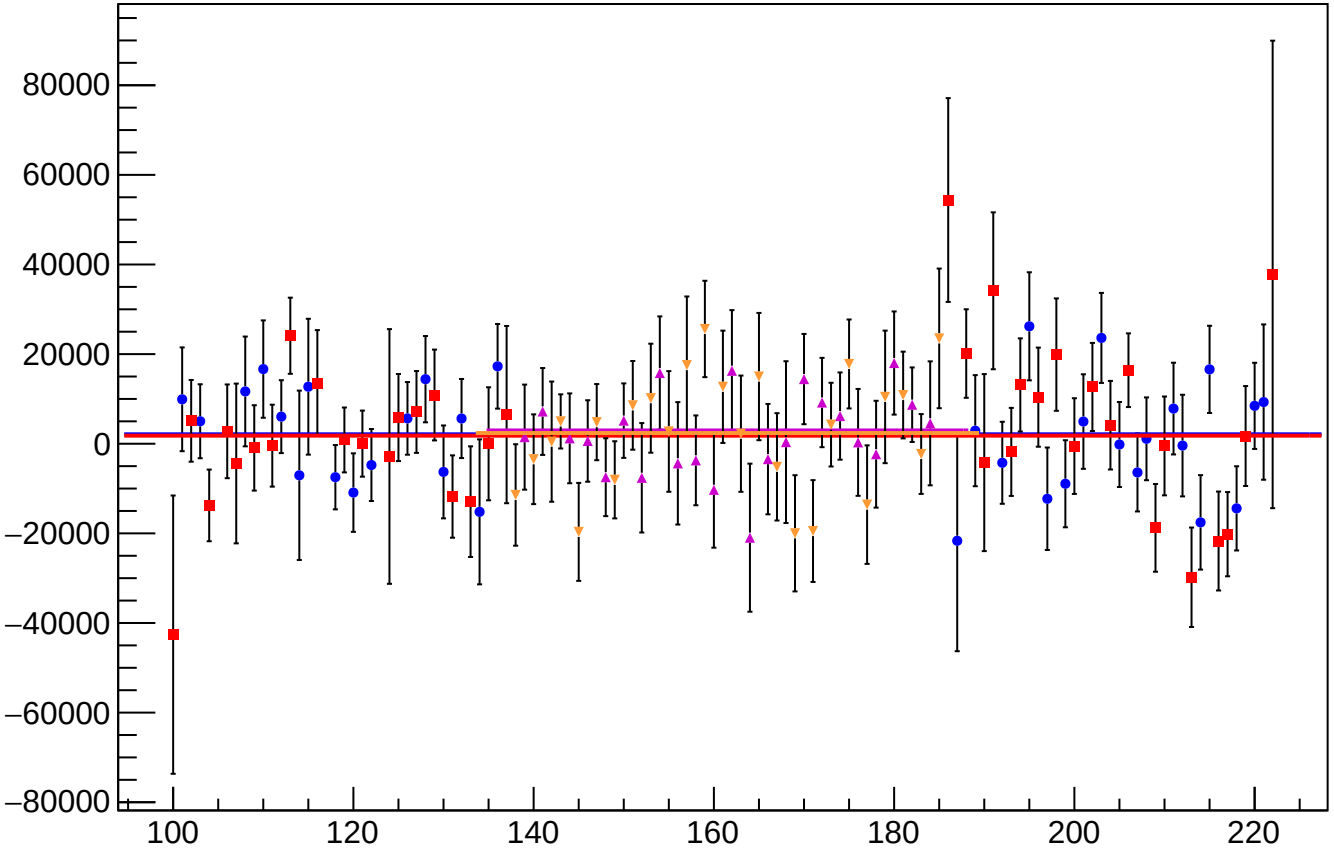
Right: 2194.125+/-0.385 χ^2/NDF: 55104307.1/70

In: 2967.661+/-0.524 χ^2/NDF:47601834.3/56

Out: 2919.534+/-0.510 χ^2/NDF:48201309.9/60

All: 2942.991+/-0.365 χ^2/NDF: 95807476.1/1

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: 1805.840+/-1729.609 χ^2/NDF: 63.0/37

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

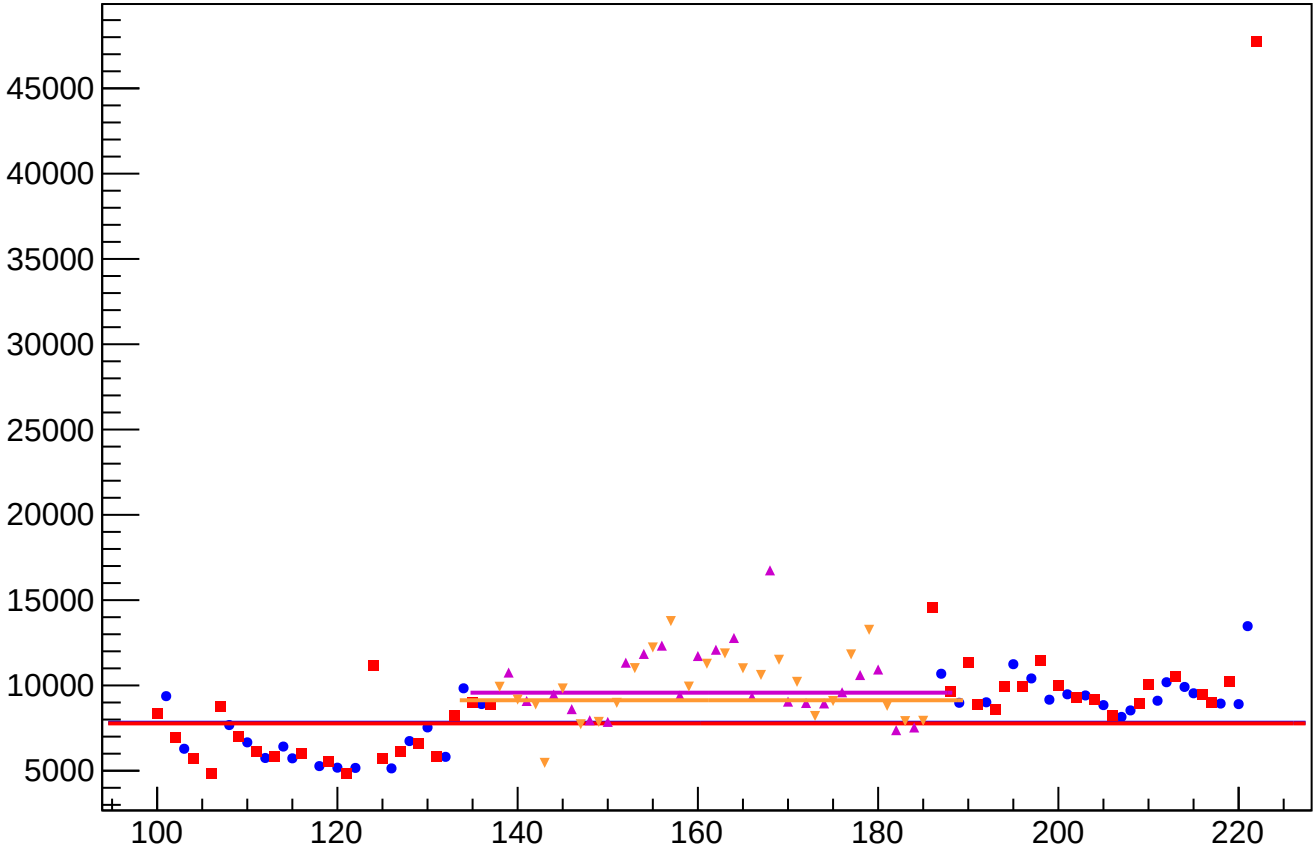
Right: 1954.679+/-1224.033 χ^2/NDF: 101.8/71

In: 2418.822+/-1379.193 χ^2/NDF:51.8/56

Out: 2036.261+/-1344.318 χ^2/NDF:92.8/62

All: 2222.644+/-962.670 χ^2/NDF: 144.7/119

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: 7775.039+/-1.223 χ^2/NDF: 3865982.3/37

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

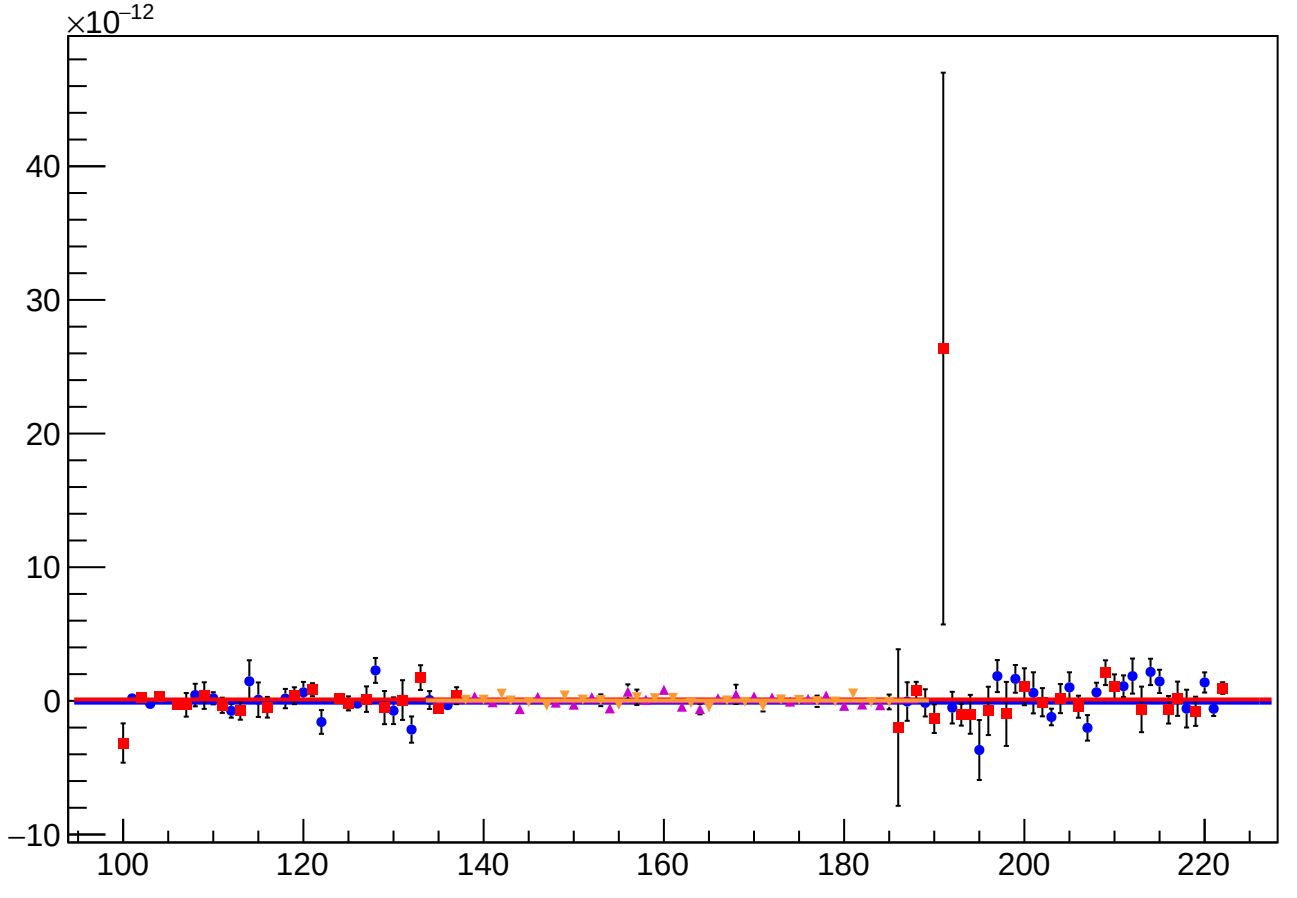
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7794.668+/-0.866 χ^2/NDF: 6278055.5/71

In: 8459.284+/-0.975 χ^2/NDF:4322089.7/56

Out: 8312.131+/-0.951 χ^2/NDF:6164813.7/62

All: 8383.823+/-0.681 χ^2/NDF: 10498579.0/1



Right In: -0.000+/-0.000 χ^2/NDF: 57.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/37

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

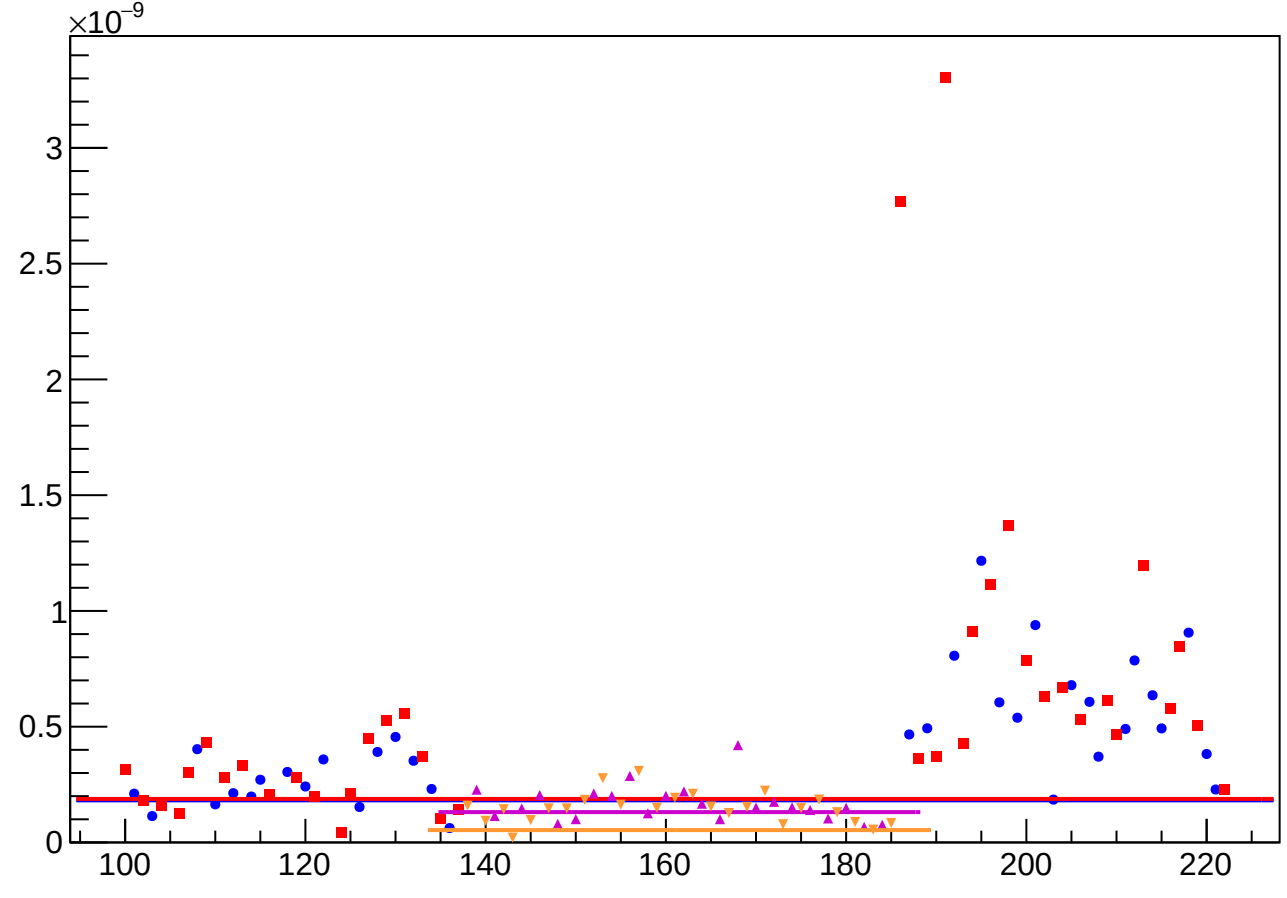
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 101.5/71

In: -0.000+/-0.000 χ^2/NDF:94.7/56

Out: 0.000+/-0.000 χ^2/NDF:59.3/62

All: 0.000+/-0.000 χ^2/NDF: 157.8/119



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: 9029390.1/37

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

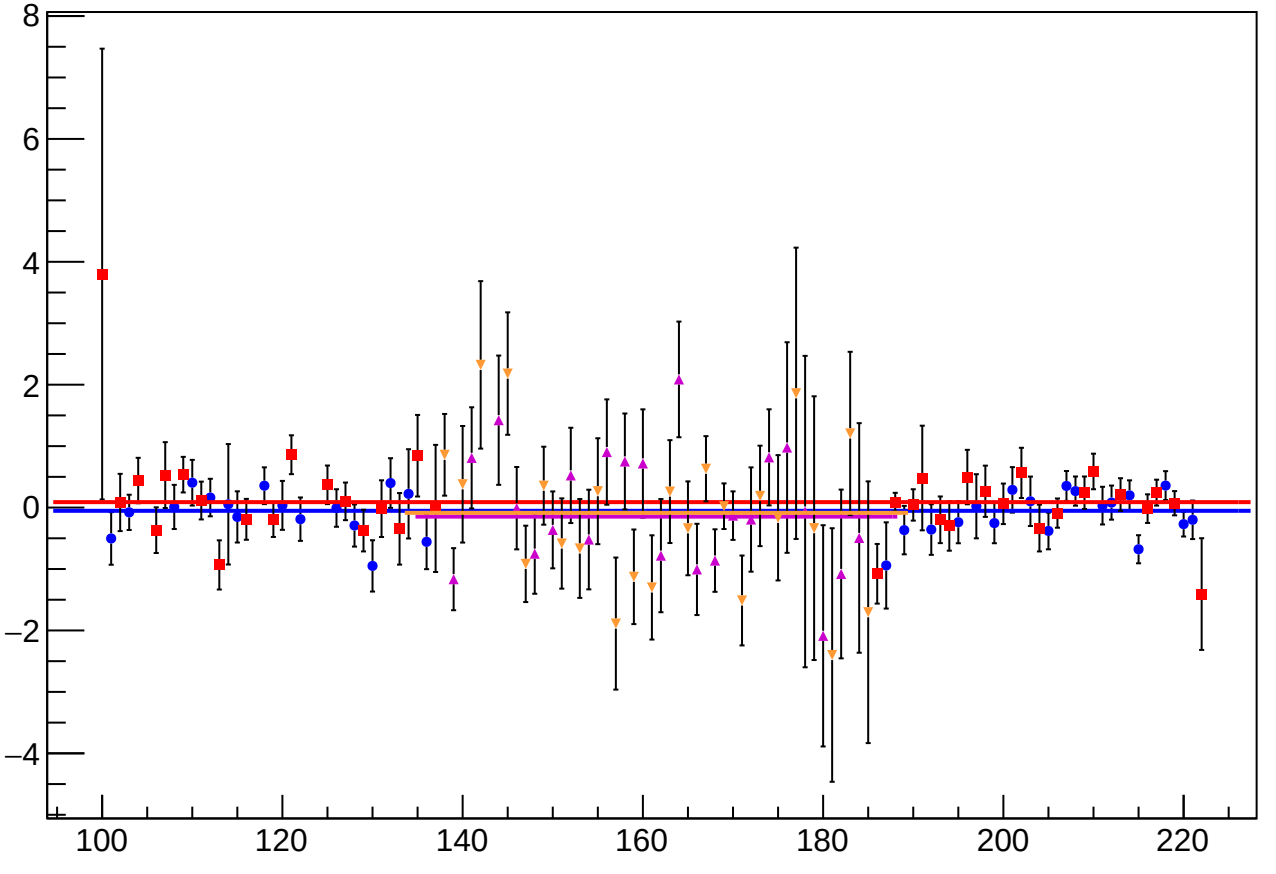
Right: 0.000+/-0.000 χ^2/NDF: 16576484.0/71

In: 0.000+/-0.000 χ^2/NDF:9932509.6/56

Out: 0.000+/-0.000 χ^2/NDF:20471360.5/62

All: 0.000+/-0.000 χ^2/NDF: 34574420.6/119

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.089+/-0.053 χ^2/NDF: 44.0/36

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

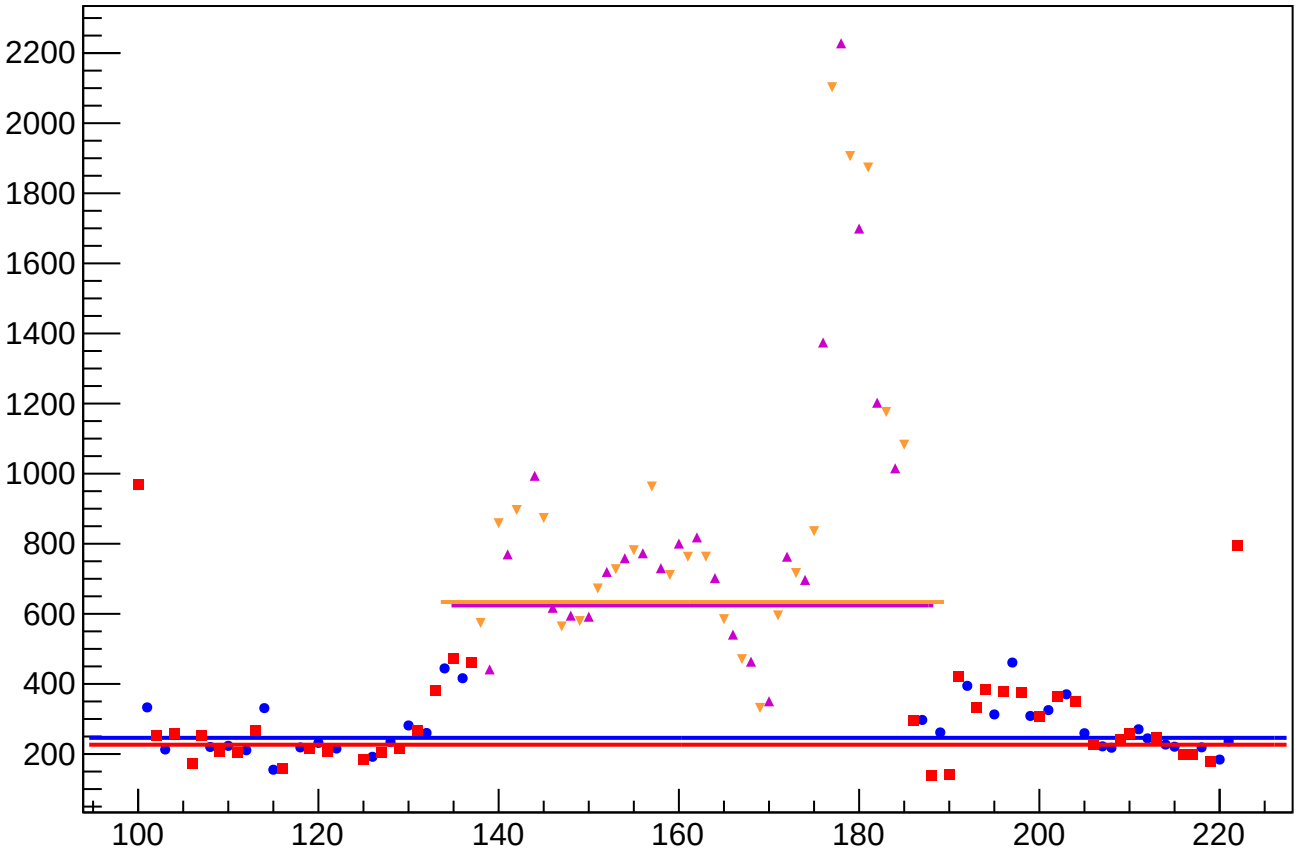
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.022+/-0.038 χ^2/NDF: 84.0/70

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.072+/-0.050 χ^2/NDF:75.3/60

All: 0.008+/-0.036 χ^2/NDF: 142.1/117



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: 226.577+/-0.037 χ^2/NDF: 4413309.4/36

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

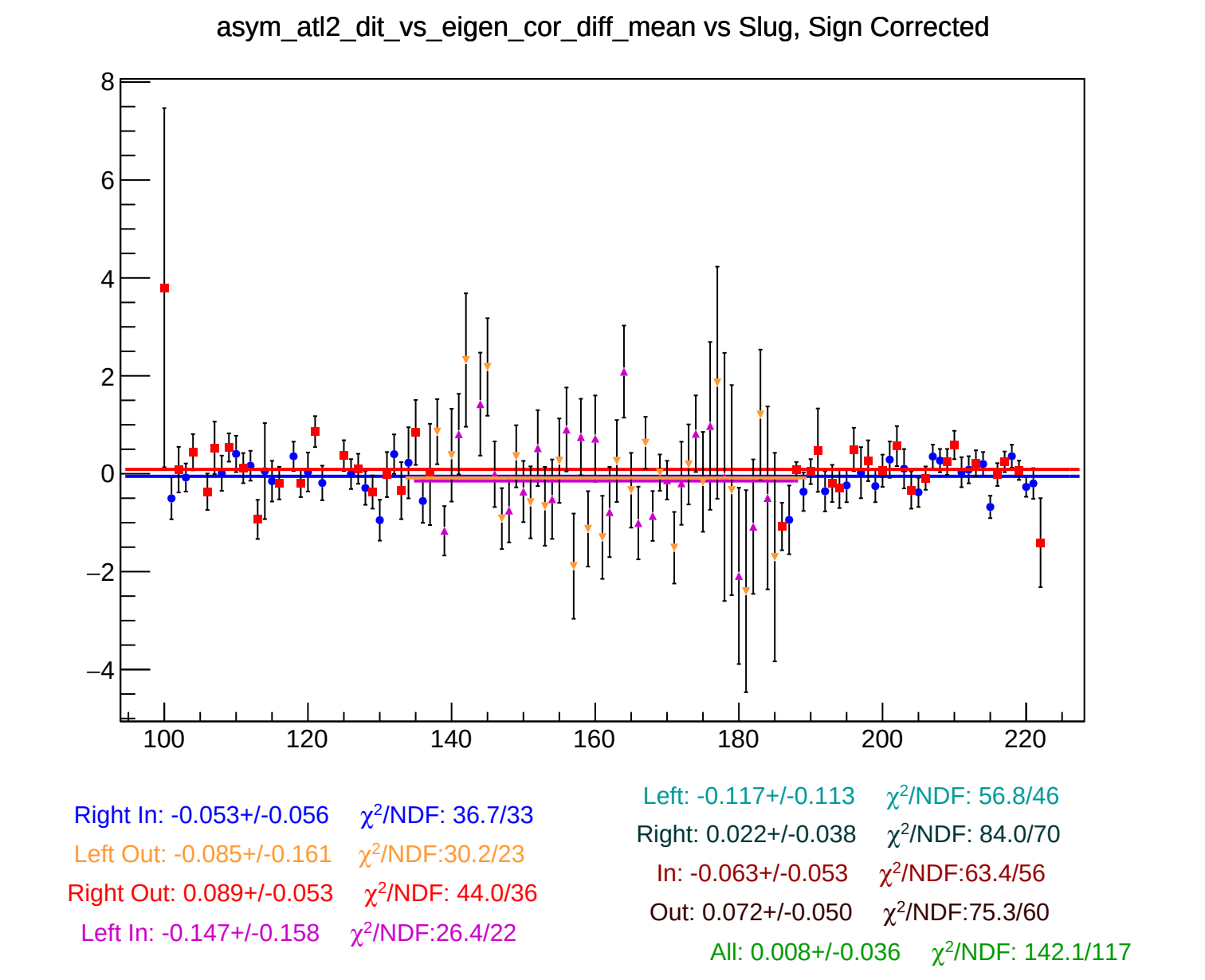
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 235.826+/-0.027 χ^2/NDF: 6728229.9/70

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 265.830+/-0.035 χ^2/NDF:20899938.0/60

All: 276.356+/-0.026 χ^2/NDF: 37951228.4/11


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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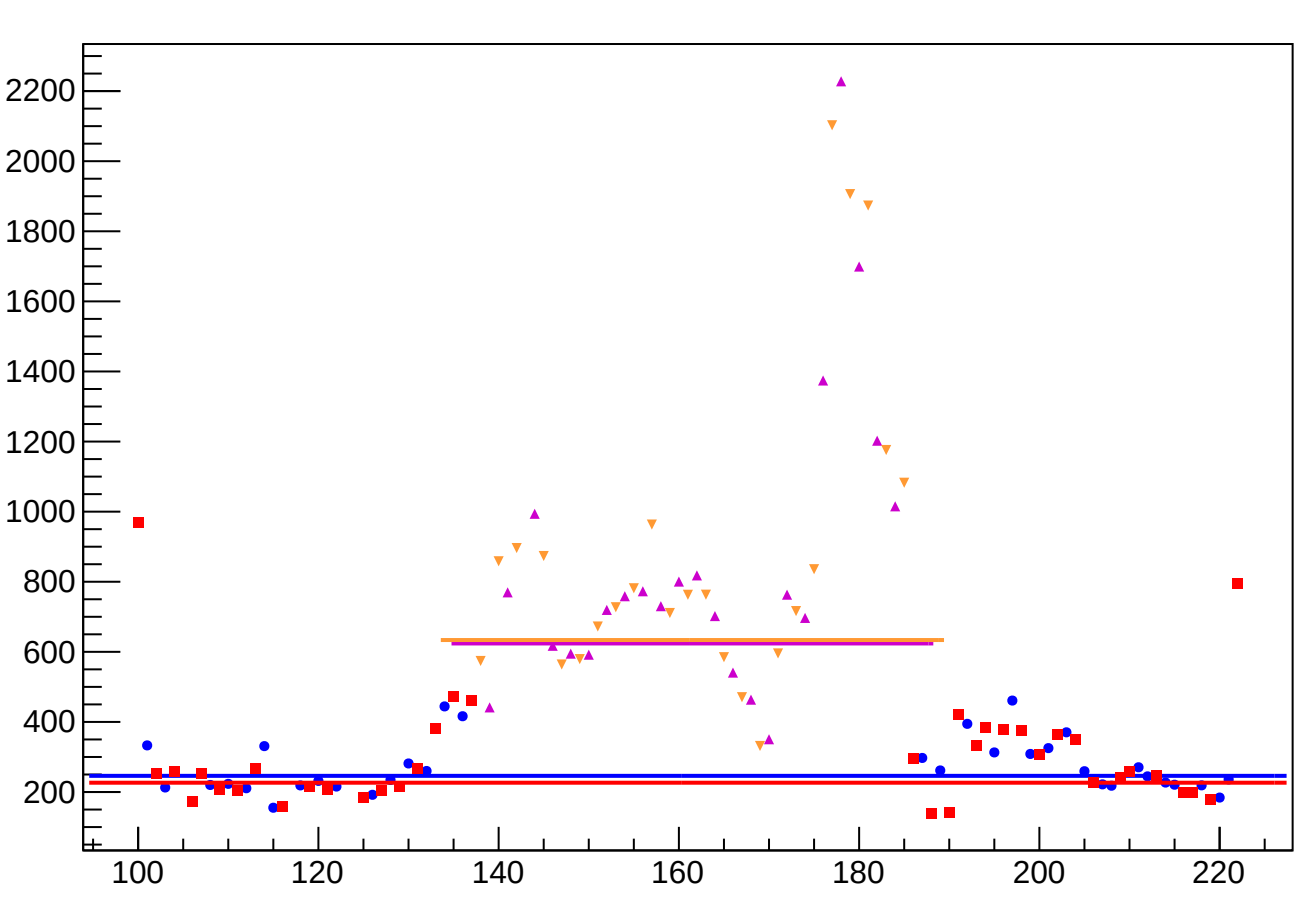
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.089+/-0.053 χ²/NDF: 44.0/36
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.022+/-0.038 χ²/NDF: 84.0/70
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.072+/-0.050 χ²/NDF:75.3/60
All: 0.008+/-0.036 χ²/NDF: 142.1/117



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: 226.577+/-0.037 χ^2/NDF: 4413309.4/36

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

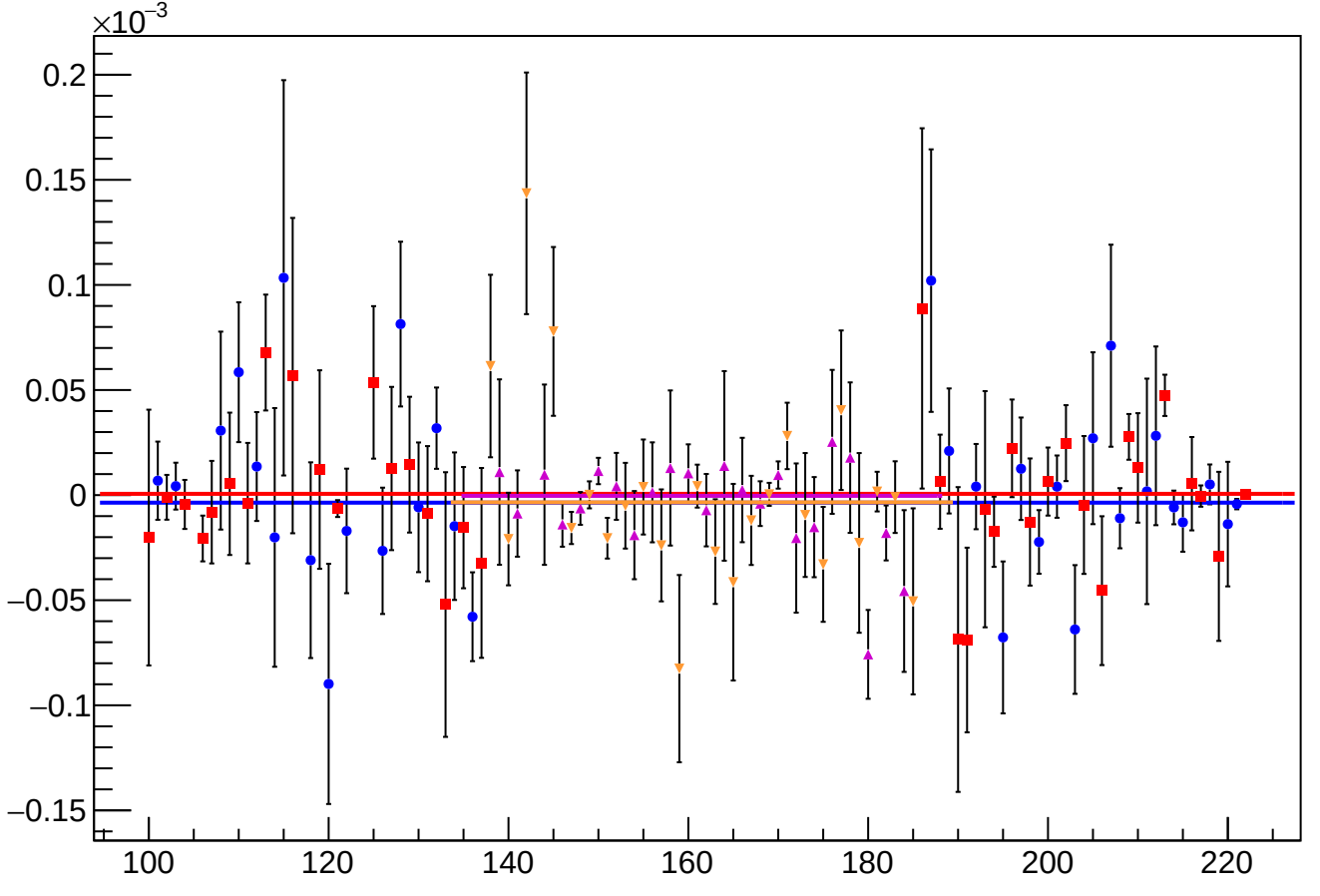
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 235.826+/-0.027 χ^2/NDF: 6728229.9/70

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 265.830+/-0.035 χ^2/NDF:20899938.0/60

All: 276.356+/-0.026 χ^2/NDF: 37951228.4/11



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: 58.3/36

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

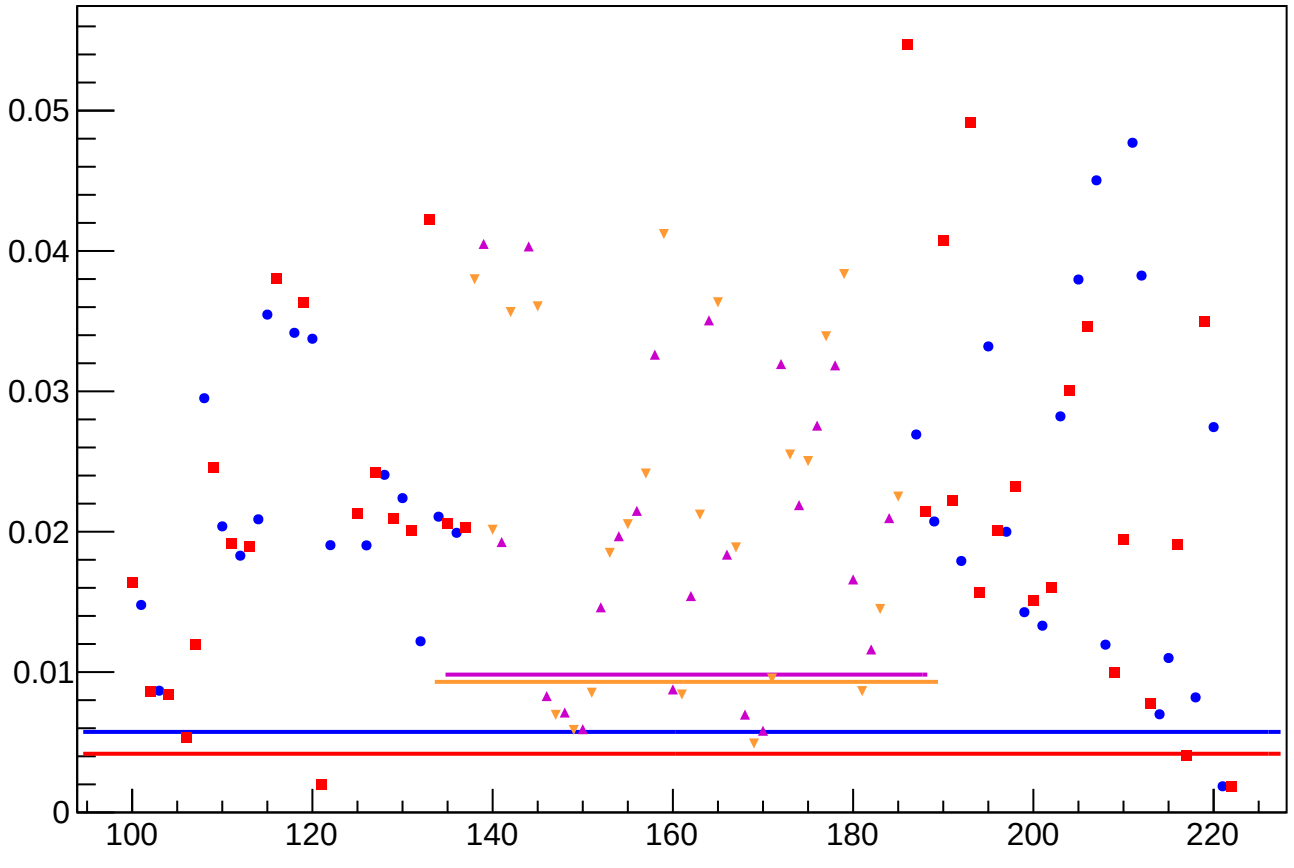
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 104.1/70

In: -0.000+/-0.000 χ^2/NDF:71.9/56

Out: -0.000+/-0.000 χ^2/NDF:94.2/60

All: -0.000+/-0.000 χ^2/NDF: 167.1/117



Right In: 0.006+/-0.000 χ^2/NDF: 24166212.4/33

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.004+/-0.000 χ^2/NDF: 25766399.8/36

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

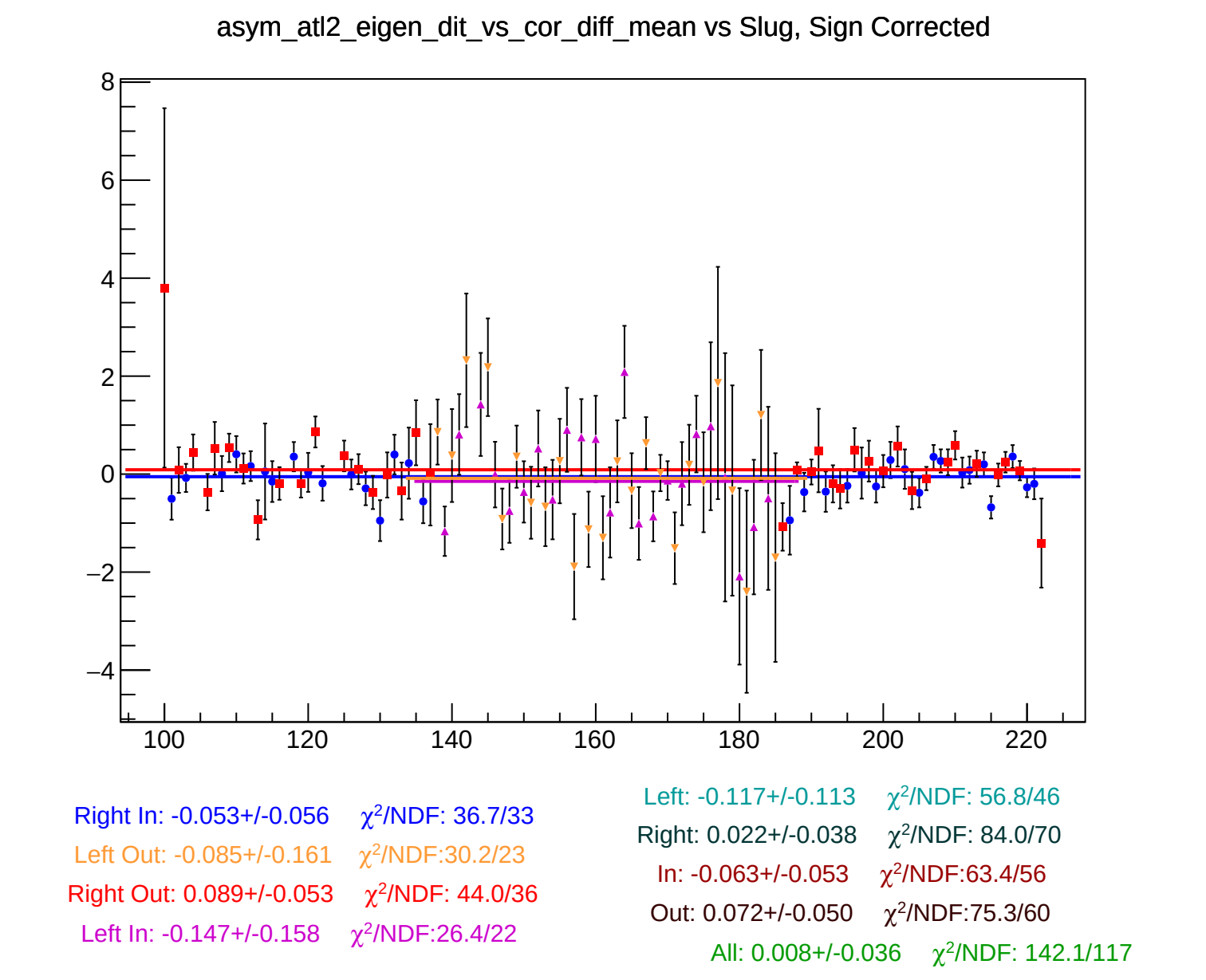
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.005+/-0.000 χ^2/NDF: 50682769.4/70

In: 0.007+/-0.000 χ^2/NDF:37143554.4/56

Out: 0.005+/-0.000 χ^2/NDF:43269956.6/60

All: 0.006+/-0.000 χ^2/NDF: 81656404.8/117


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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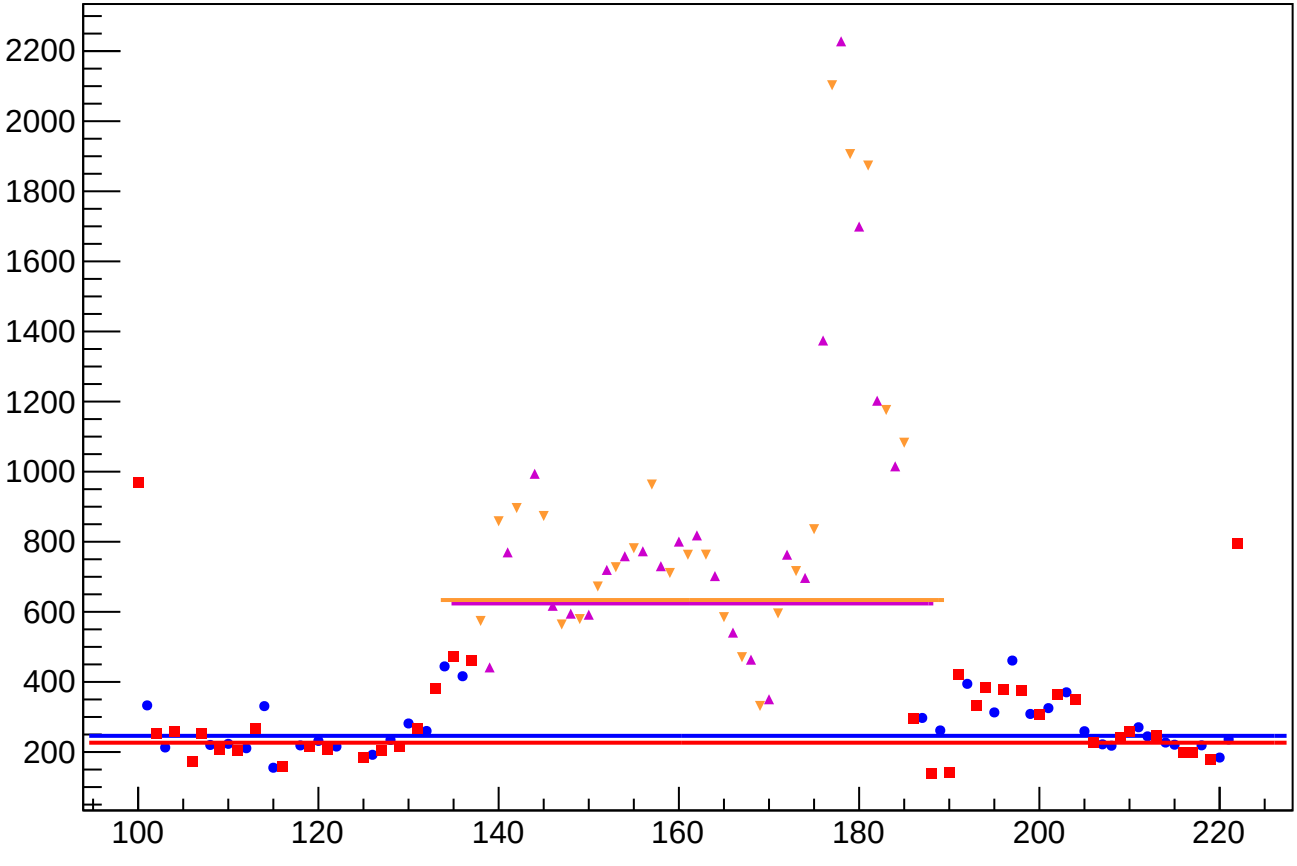
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.089+/-0.053 χ²/NDF: 44.0/36
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.022+/-0.038 χ²/NDF: 84.0/70
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.072+/-0.050 χ²/NDF:75.3/60
All: 0.008+/-0.036 χ²/NDF: 142.1/117

asym_atl2_eigen_dit_vs_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: 226.575+/-0.037 χ^2/NDF: 4413414.7/36

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

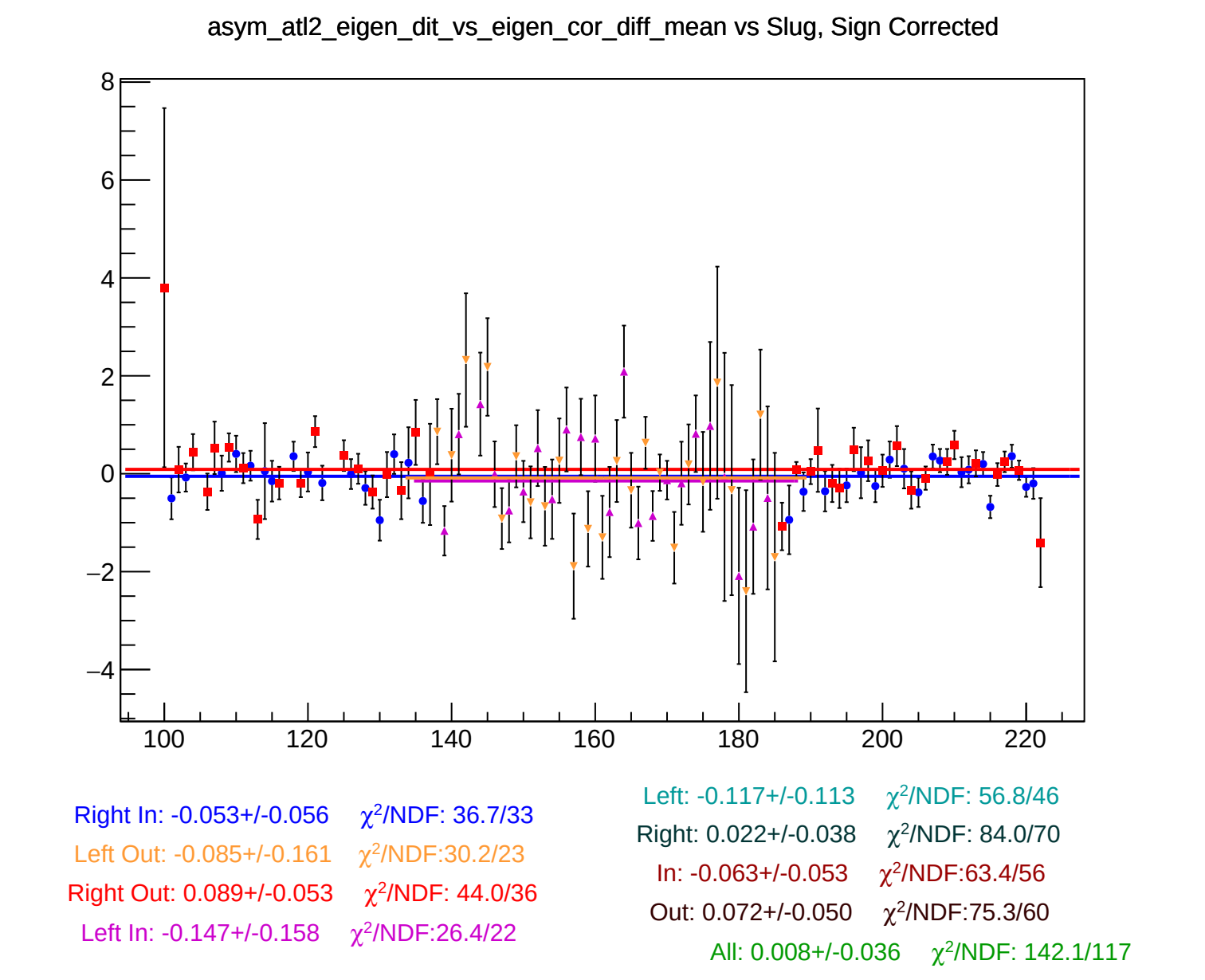
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 235.825+/-0.027 χ^2/NDF: 6728334.0/70

In: 287.954+/-0.037 χ^2/NDF:16865989.0/56

Out: 265.829+/-0.035 χ^2/NDF:20900256.4/60

All: 276.356+/-0.026 χ^2/NDF: 37951630.5/11


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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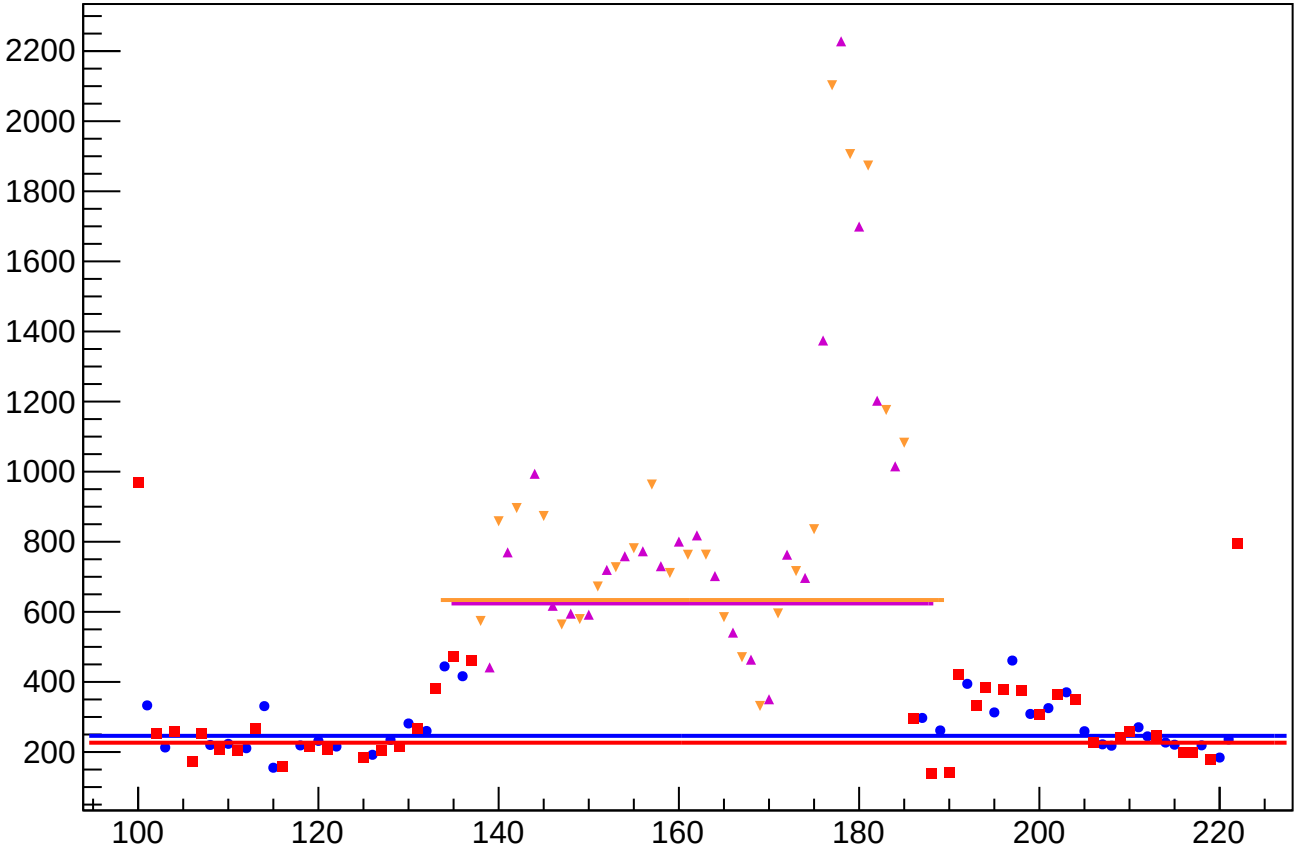
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.089+/-0.053 χ²/NDF: 44.0/36
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.022+/-0.038 χ²/NDF: 84.0/70
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.072+/-0.050 χ²/NDF:75.3/60
All: 0.008+/-0.036 χ²/NDF: 142.1/117

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: 226.575+/-0.037 χ^2/NDF: 4413414.7/36

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

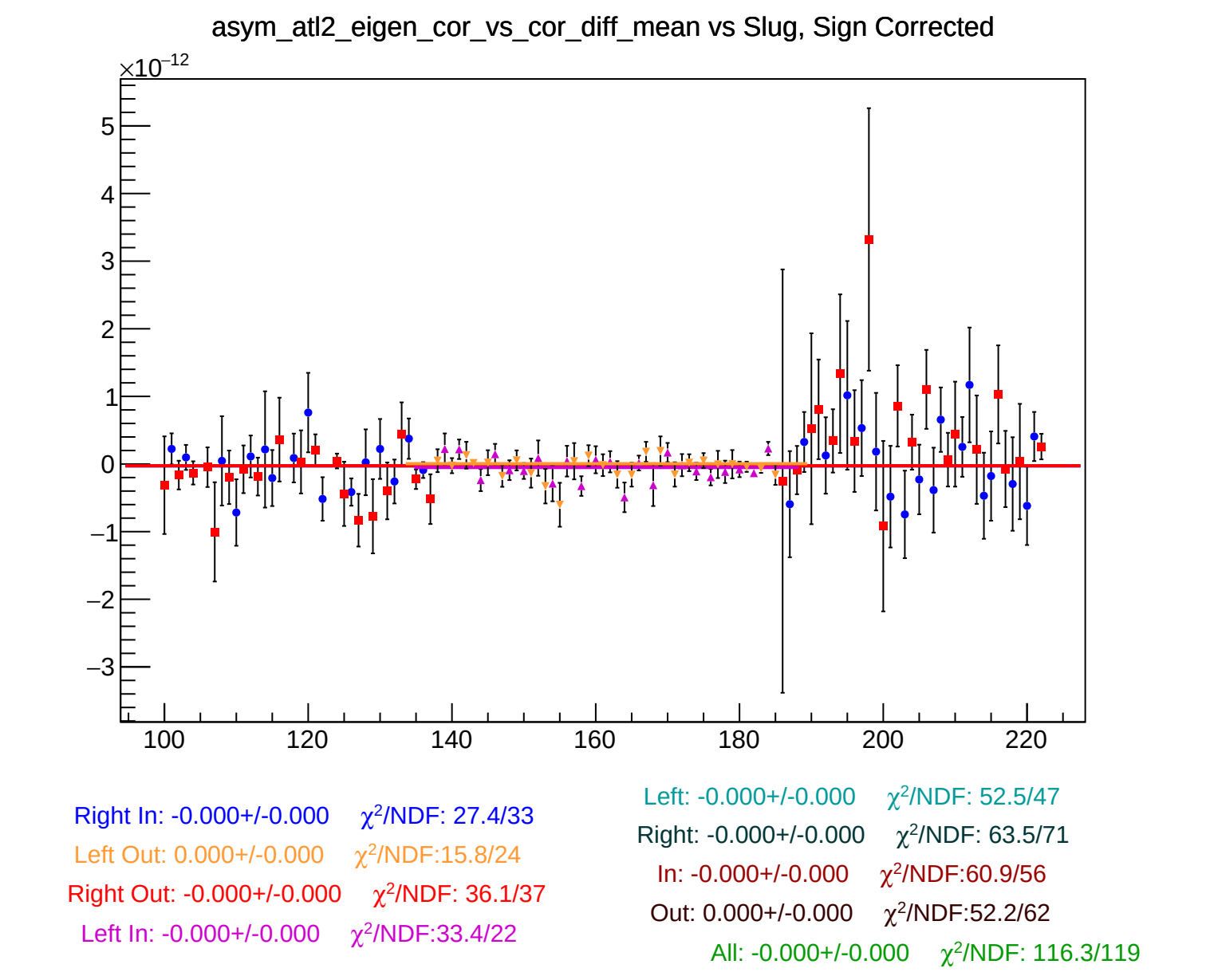
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 235.825+/-0.027 χ^2/NDF: 6728334.0/70

In: 287.954+/-0.037 χ^2/NDF:16865989.0/56

Out: 265.829+/-0.035 χ^2/NDF:20900256.4/60

All: 276.356+/-0.026 χ^2/NDF: 37951630.5/11


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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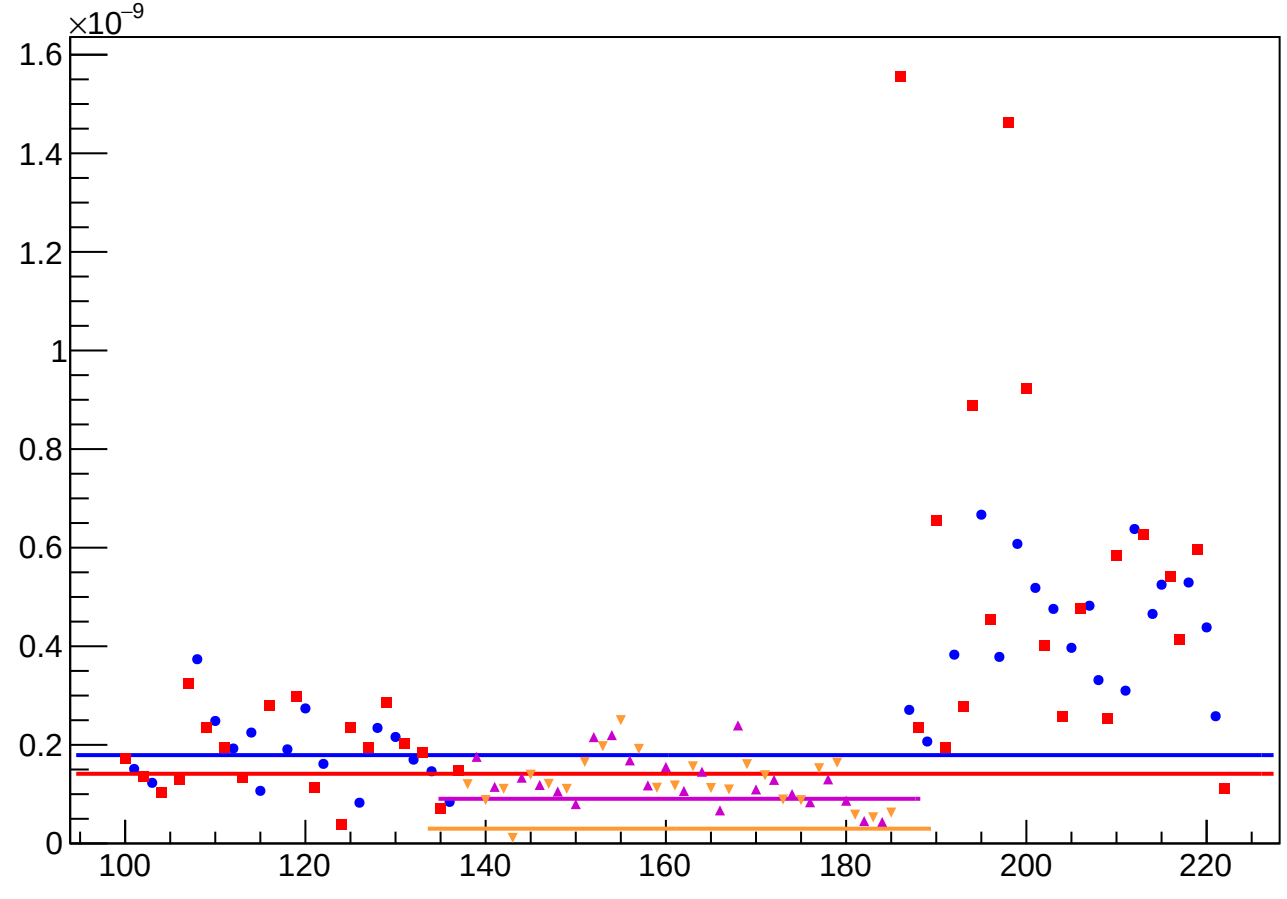
Right In: -0.000+/-0.000 χ²/NDF: 27.4/33
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.1/37
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 63.5/71
In: -0.000+/-0.000 χ²/NDF:60.9/56
Out: 0.000+/-0.000 χ²/NDF:52.2/62
All: -0.000+/-0.000 χ²/NDF: 116.3/119



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: 11618558.1/37

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

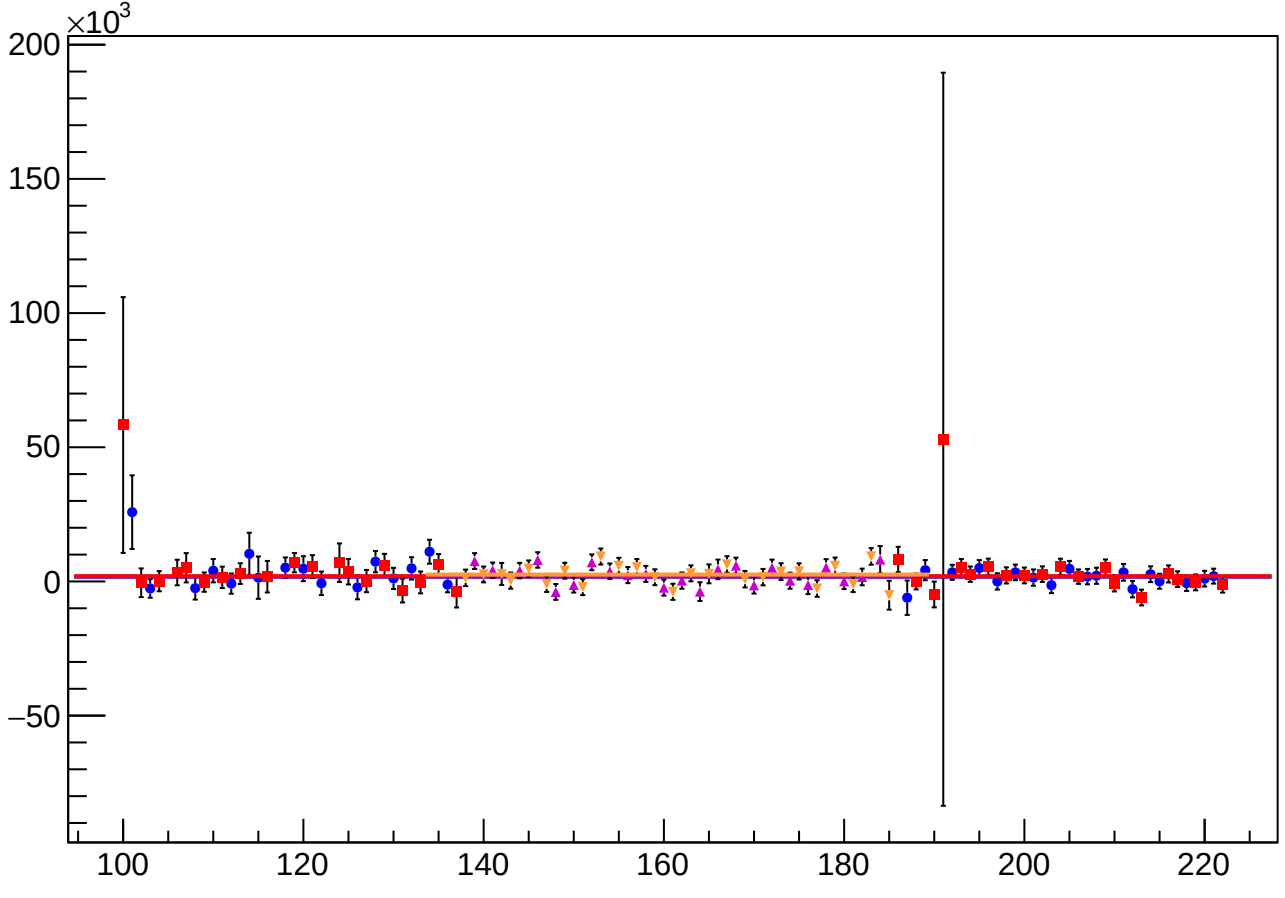
Right: 0.000+/-0.000 χ^2/NDF: 20360709.0/71

In: 0.000+/-0.000 χ^2/NDF:16540080.6/56

Out: 0.000+/-0.000 χ^2/NDF:37273844.2/62

All: 0.000+/-0.000 χ^2/NDF: 65516822.1/119

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: 1947.516+/-594.042 χ^2/NDF: 30.4/37

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

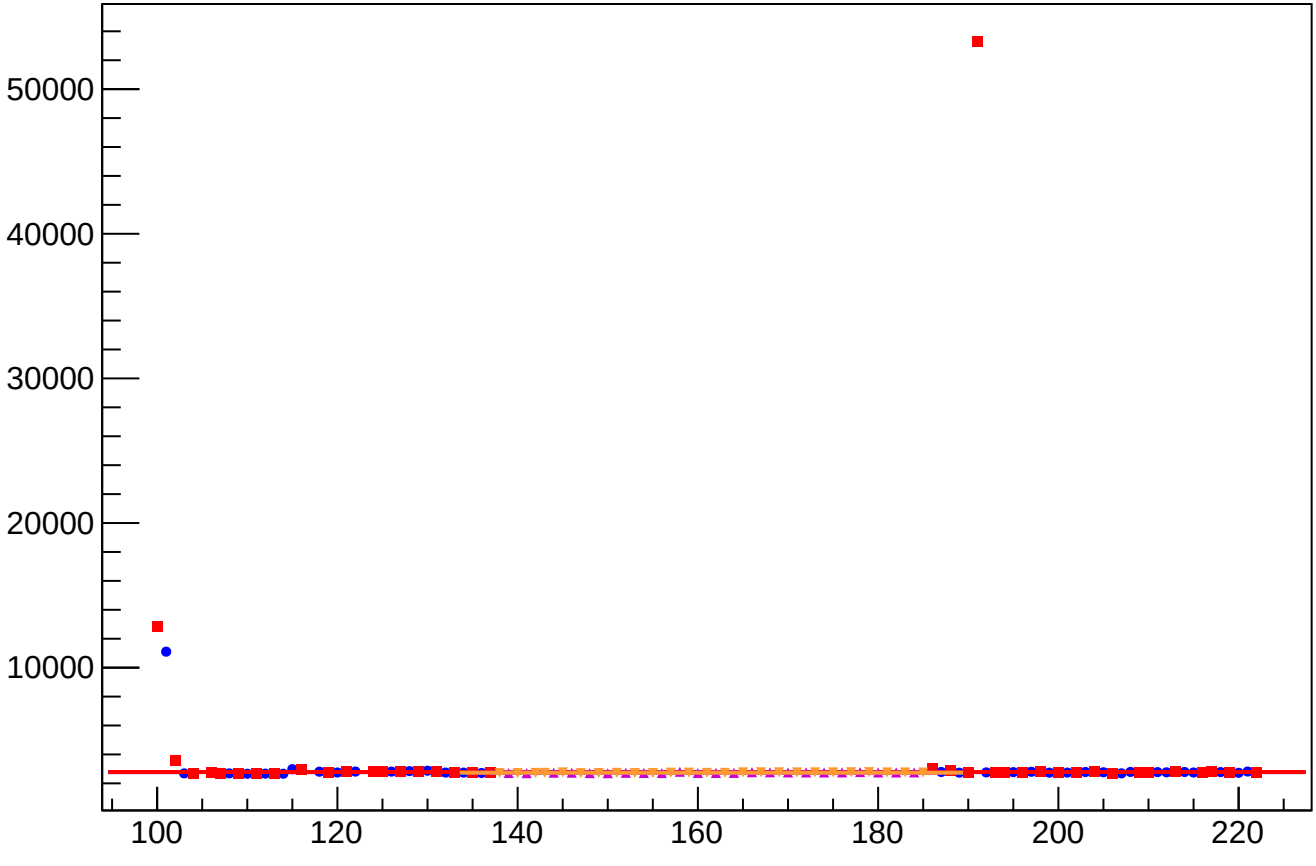
Right: 1858.396+/-420.718 χ^2/NDF: 58.3/71

In: 2065.874+/-436.048 χ^2/NDF:59.8/56

Out: 2238.254+/-429.539 χ^2/NDF:62.4/62

All: 2153.360+/-306.005 χ^2/NDF: 122.3/119

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: 2782.434+/-0.420 χ^2/NDF: 482470.9/37

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

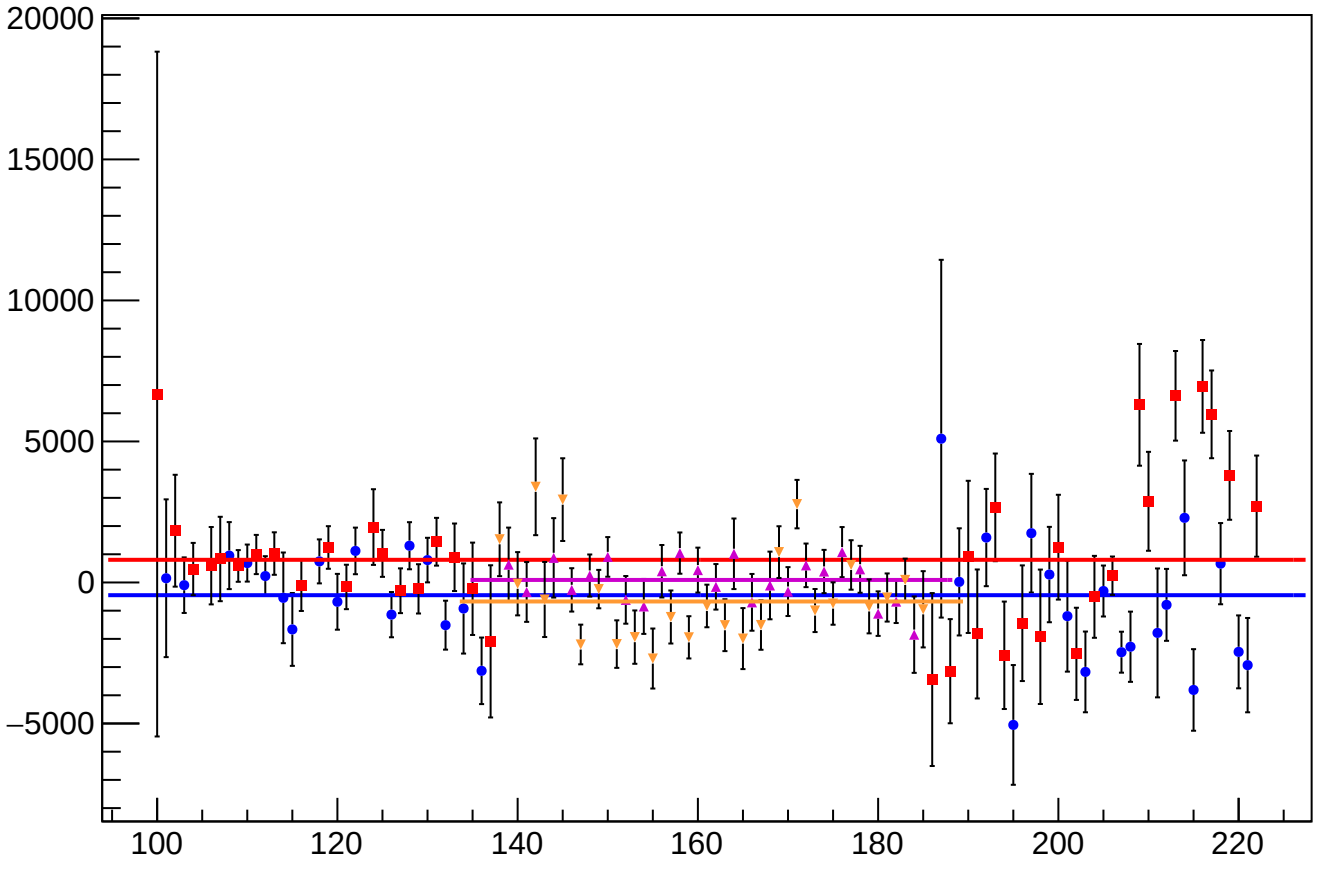
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2779.919+/-0.297 χ^2/NDF: 1234231.9/71

In: 2759.953+/-0.308 χ^2/NDF:758735.2/56

Out: 2761.002+/-0.304 χ^2/NDF:490244.2/62

All: 2760.486+/-0.216 χ^2/NDF: 1248985.2/11



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: 803.402+/-186.123 χ^2/NDF: 81.1/37

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

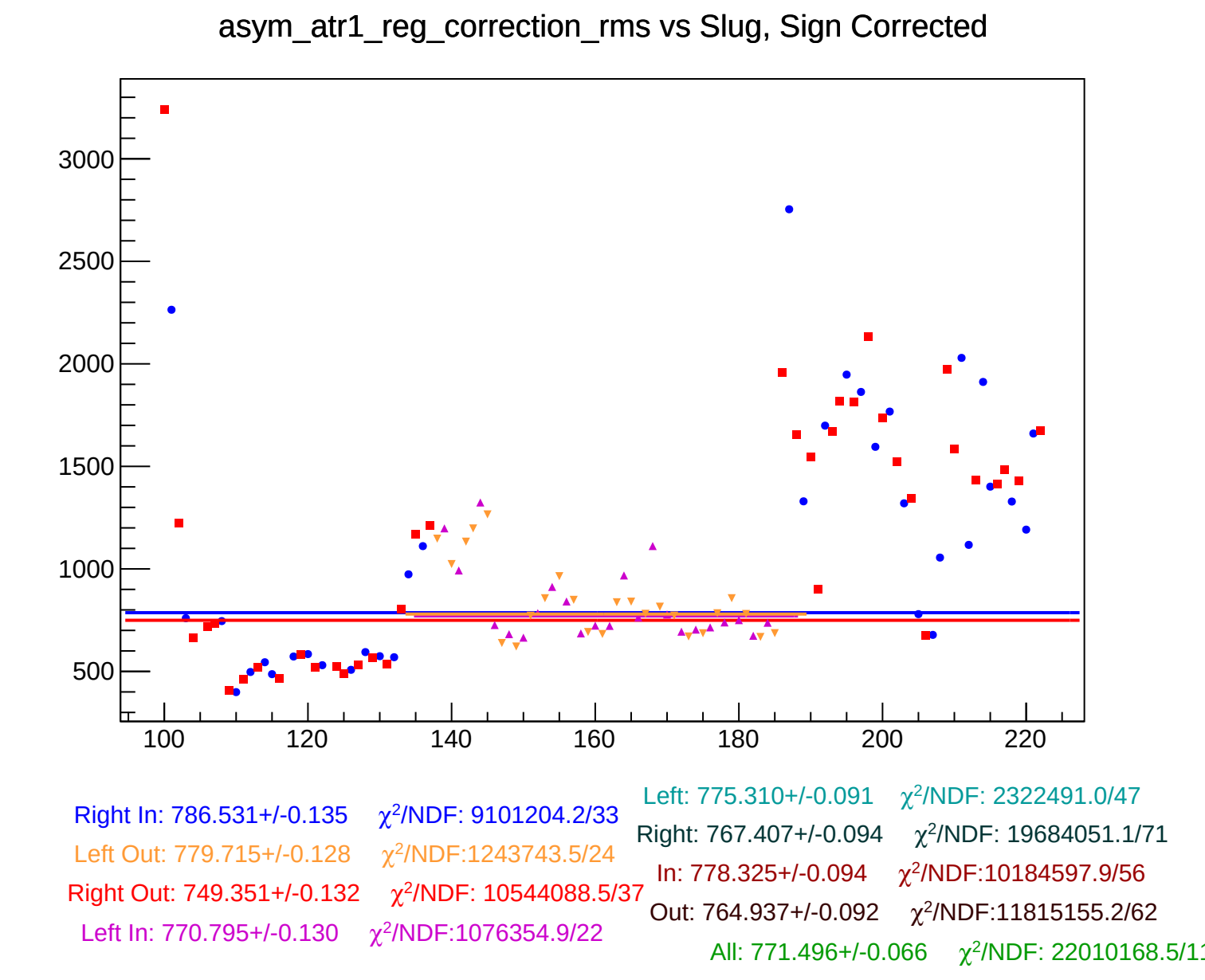
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 194.173+/-133.484 χ^2/NDF: 164.7/71

In: -169.166+/-132.503 χ^2/NDF:80.5/56

Out: 45.186+/-129.845 χ^2/NDF:171.8/62

All: -59.819+/-92.739 χ^2/NDF: 253.6/119


asym_atr1_reg_correction_rms vs Slug, Sign Corrected
3000
2500
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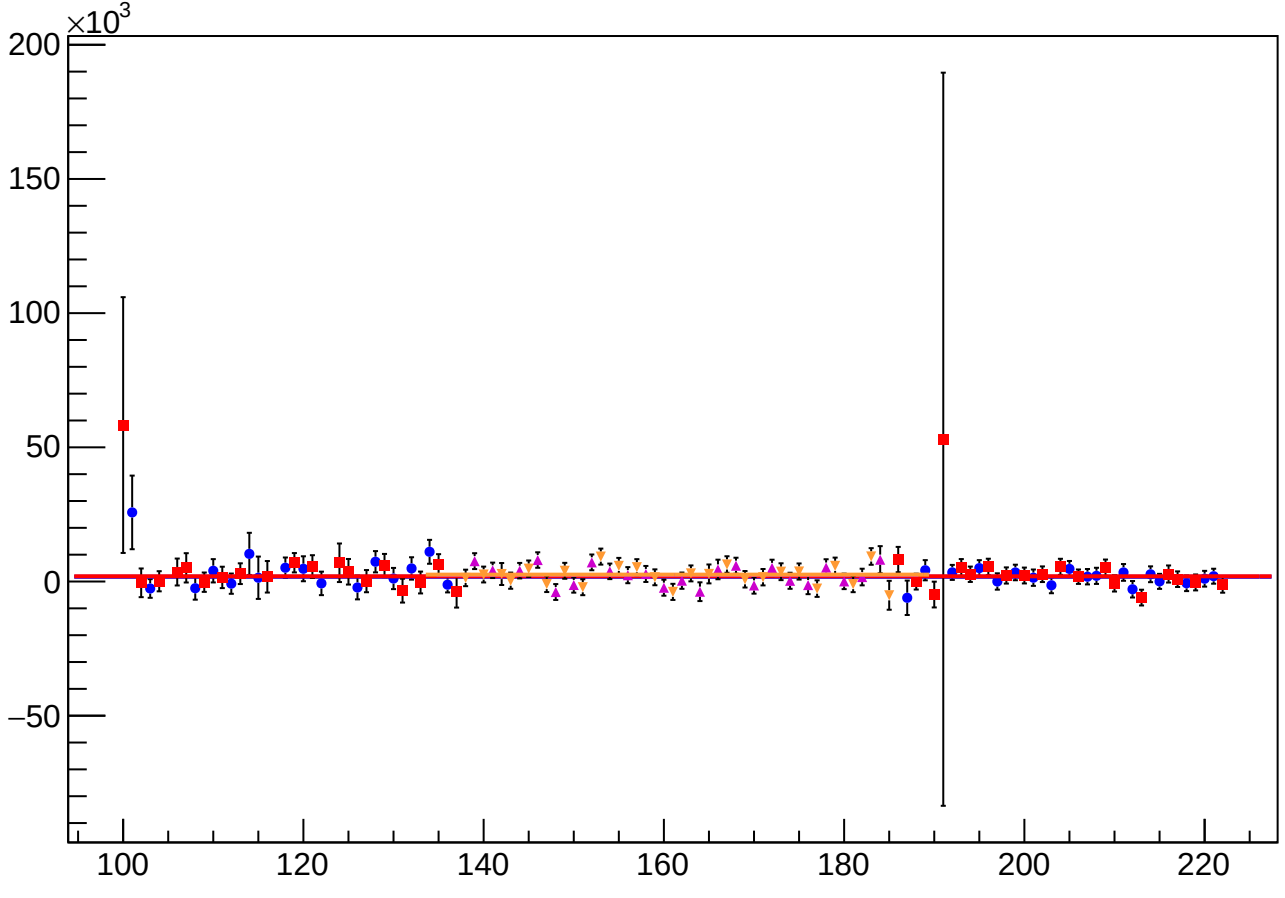
Right In: 786.531+/-0.135 χ²/NDF: 9101204.2/33
Left Out: 779.715+/-0.128 χ²/NDF:1243743.5/24
Right Out: 749.351+/-0.132 χ²/NDF: 10544088.5/37
Left In: 770.795+/-0.130 χ²/NDF:1076354.9/22
Left: 775.310+/-0.091 χ²/NDF: 2322491.0/47
Right: 767.407+/-0.094 χ²/NDF: 19684051.1/71
In: 778.325+/-0.094 χ²/NDF:10184597.9/56
Out: 764.937+/-0.092 χ²/NDF:11815155.2/62
All: 771.496+/-0.066 χ²/NDF: 22010168.5/1

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: 1948.772+/-594.491 χ^2/NDF: 30.4/37

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

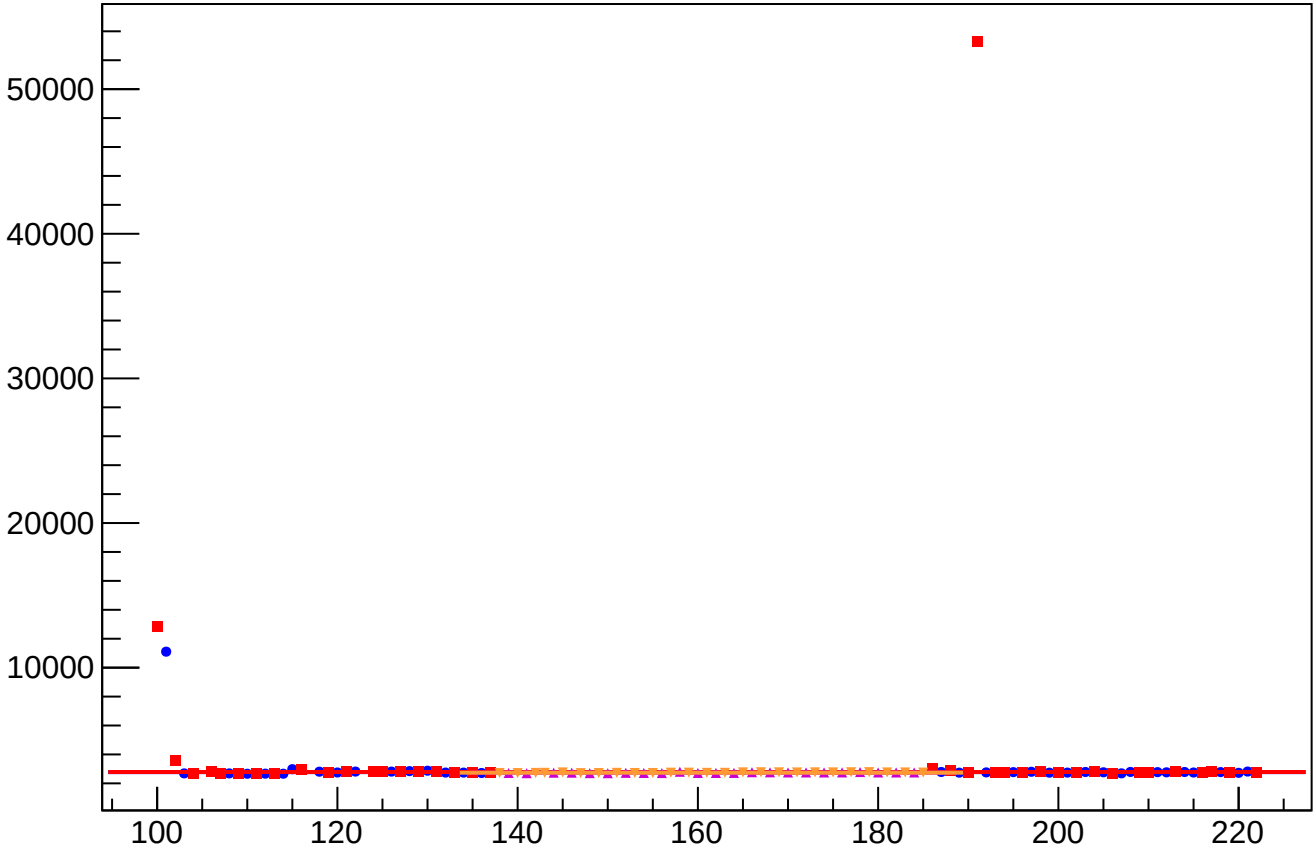
Right: 1858.780+/-420.877 χ^2/NDF: 58.3/71

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2239.121+/-429.708 χ^2/NDF:62.5/62

All: 2153.704+/-306.067 χ^2/NDF: 122.3/119

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: 2784.176+/-0.420 χ^2/NDF: 482378.9/37

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

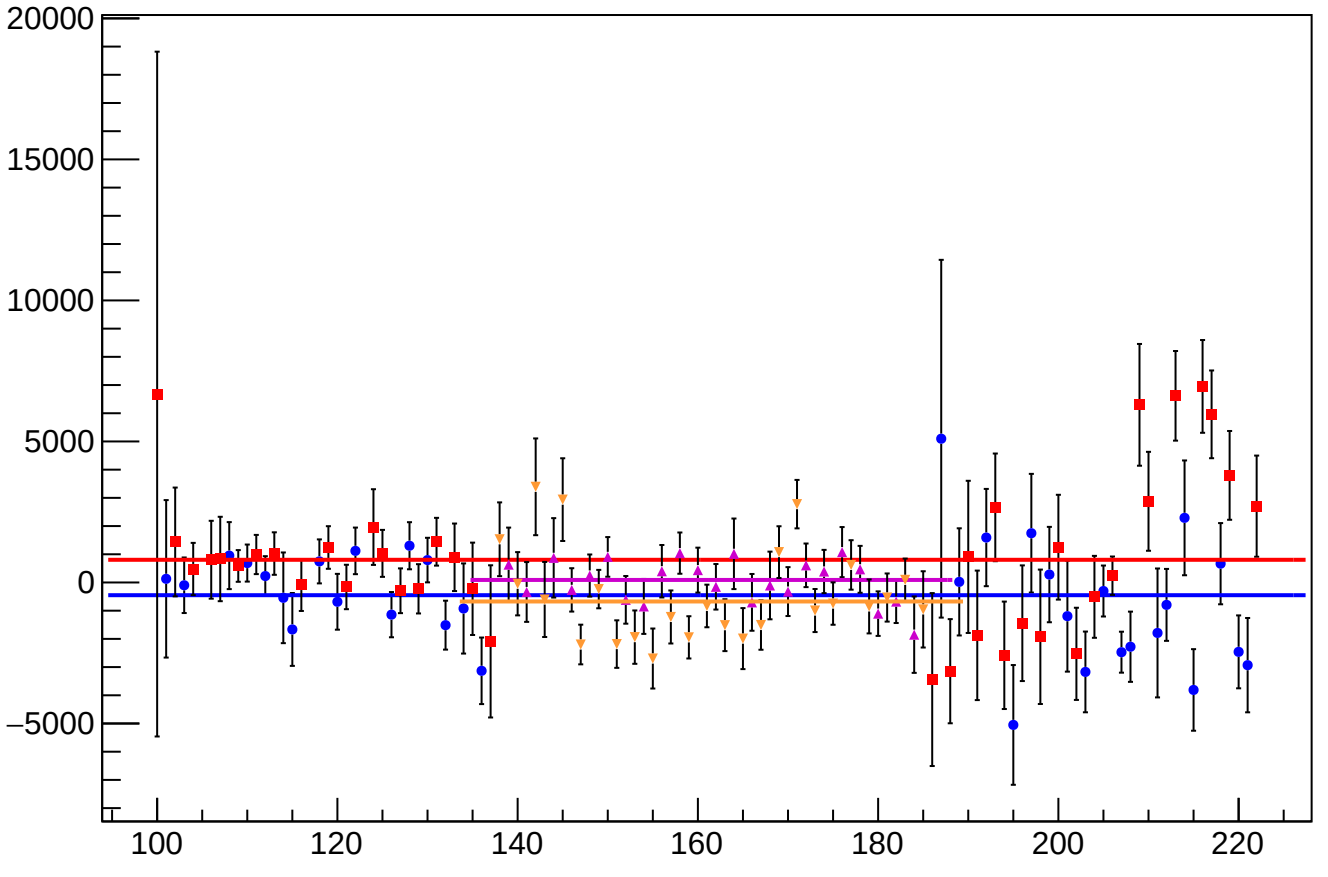
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.790+/-0.298 χ^2/NDF: 1234197.1/71

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2761.895+/-0.304 χ^2/NDF:490579.1/62

All: 2760.939+/-0.216 χ^2/NDF: 1249333.5/11



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: 804.018+/-186.099 χ^2/NDF: 81.0/37

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

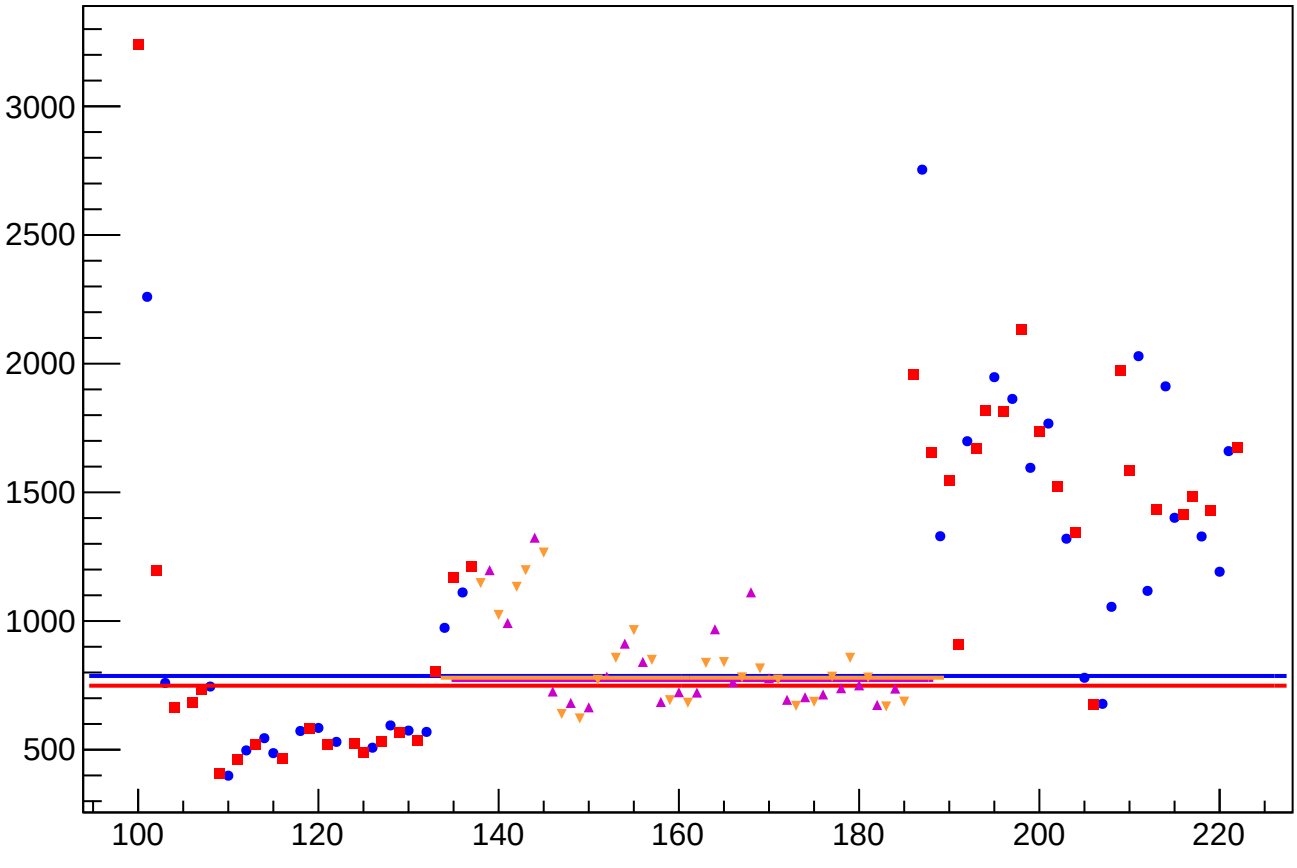
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 194.556+/-133.472 χ^2/NDF: 164.6/71

In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 45.625+/-129.836 χ^2/NDF:171.7/62

All: -59.560+/-92.736 χ^2/NDF: 253.5/119



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: 748.774+/-0.132 χ^2/NDF: 10542847.4/37

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

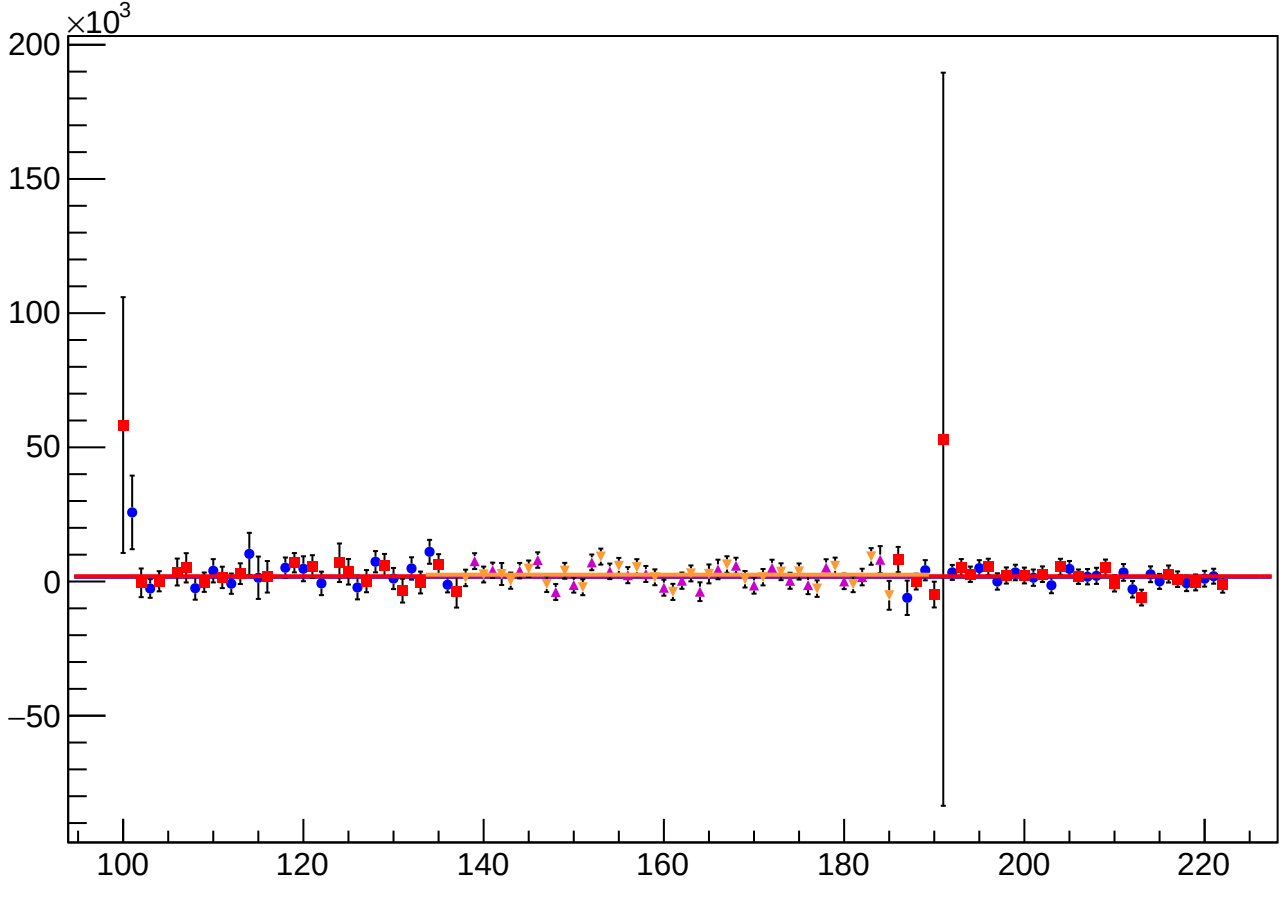
Right: 767.102+/-0.094 χ^2/NDF: 19683250.5/71

In: 778.321+/-0.094 χ^2/NDF:10183769.4/56

Out: 764.653+/-0.092 χ^2/NDF:11814989.3/62

All: 771.348+/-0.066 χ^2/NDF: 22009614.3/11

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: 1948.772+/-594.491 χ^2/NDF: 30.4/37

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

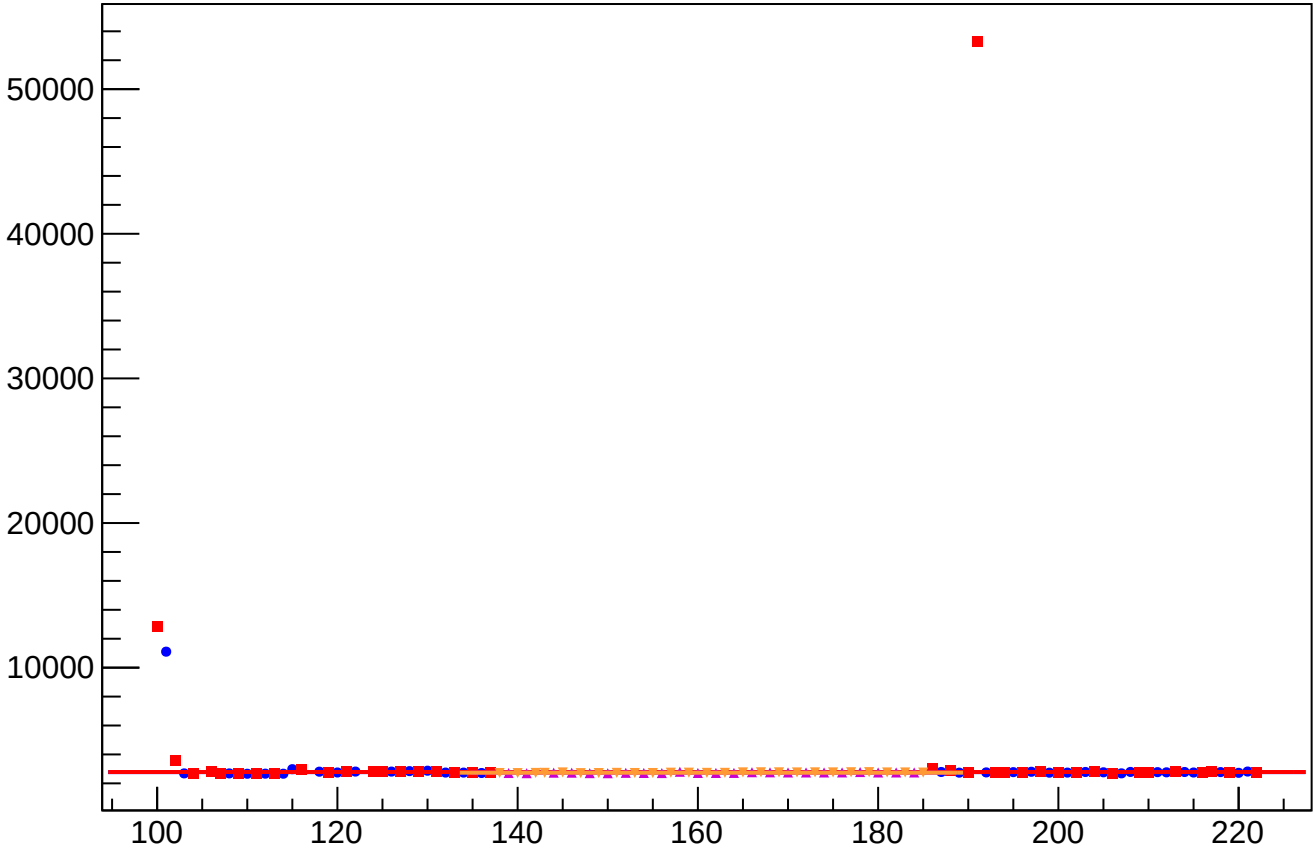
Right: 1858.780+/-420.877 χ^2/NDF: 58.3/71

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2239.121+/-429.708 χ^2/NDF:62.5/62

All: 2153.704+/-306.067 χ^2/NDF: 122.3/119

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: 2784.176+/-0.420 χ^2/NDF: 482378.9/37

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

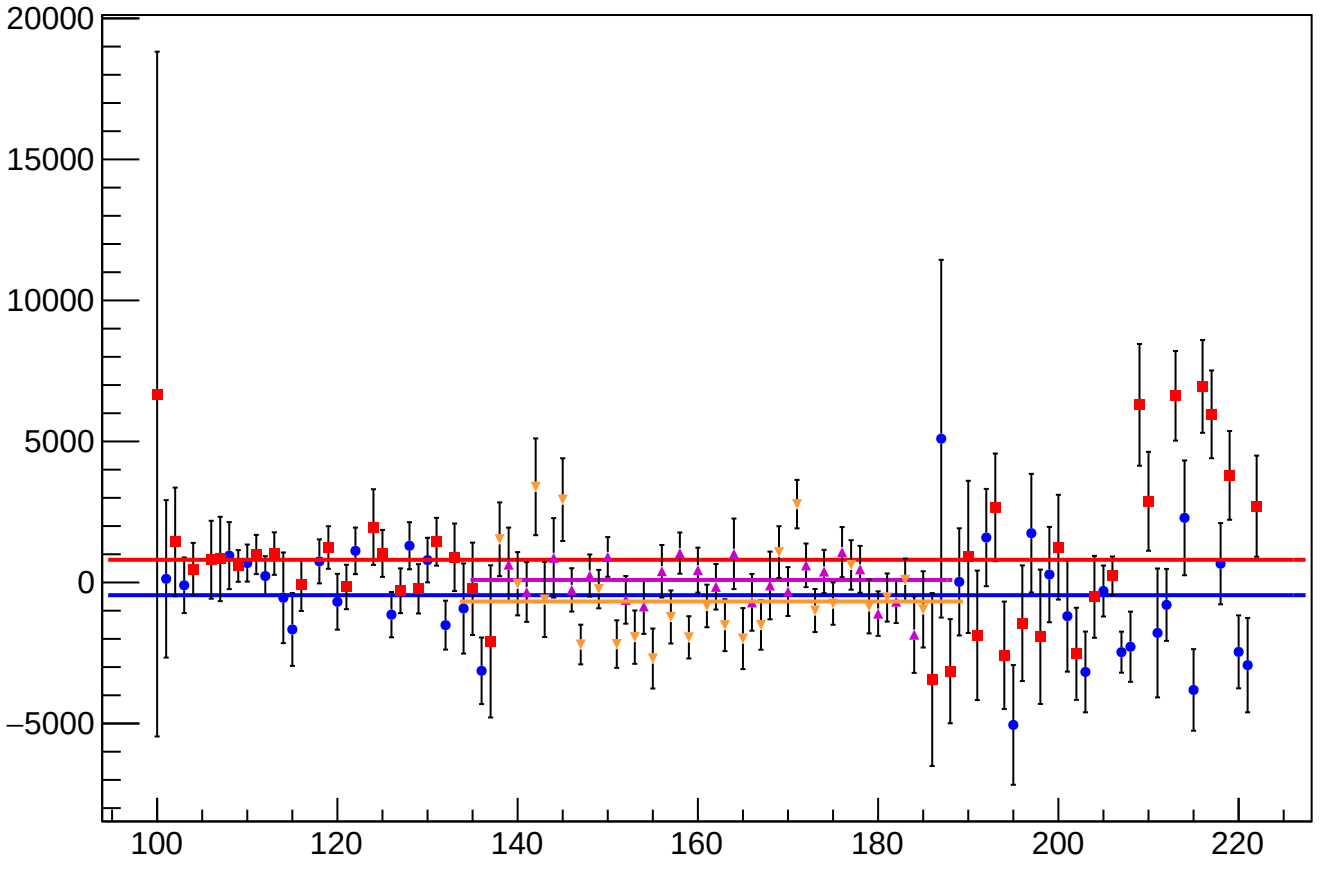
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.790+/-0.298 χ^2/NDF: 1234197.1/71

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2761.895+/-0.304 χ^2/NDF:490579.1/62

All: 2760.939+/-0.216 χ^2/NDF: 1249333.5/11



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: 804.018+/-186.099 χ^2/NDF: 81.0/37

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

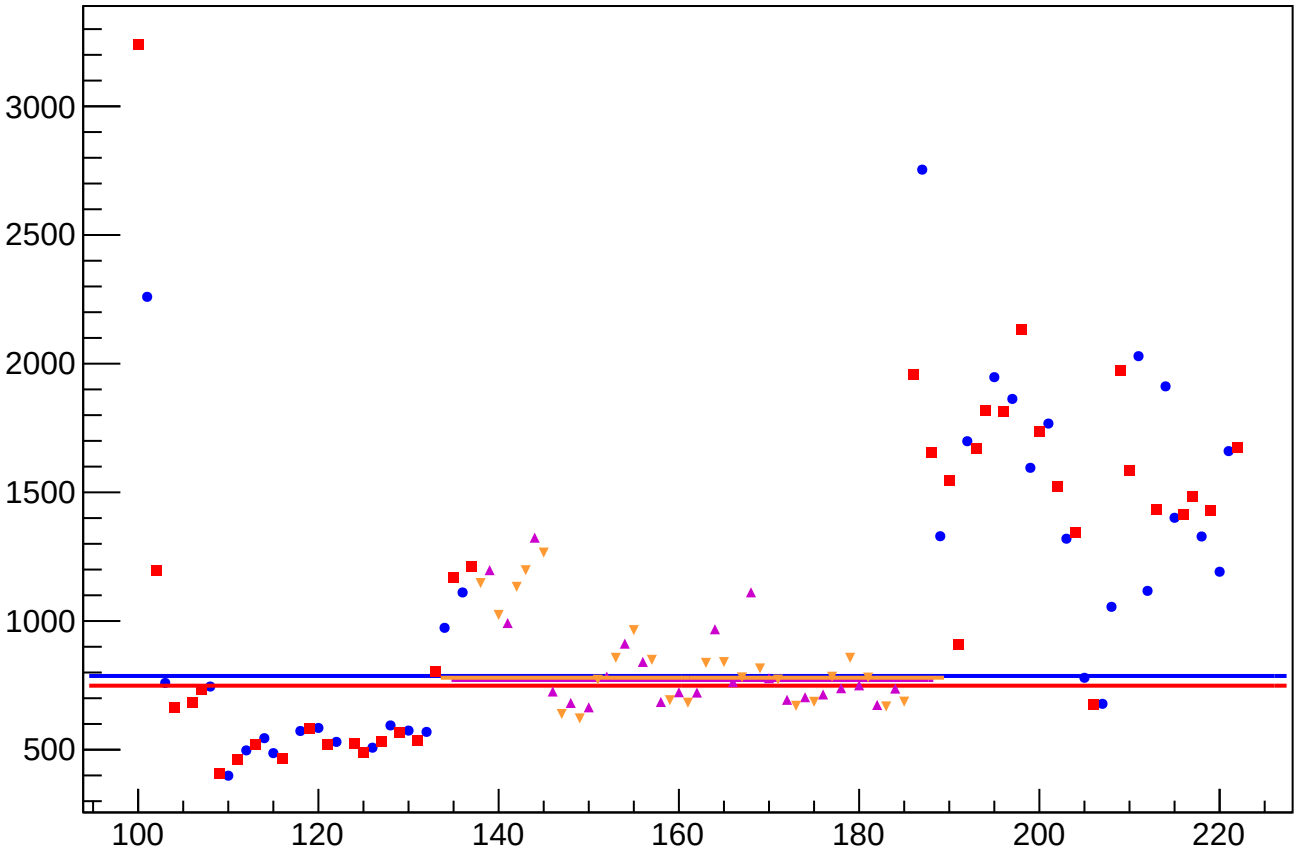
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 194.556+/-133.472 χ^2/NDF: 164.6/71

In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 45.625+/-129.836 χ^2/NDF:171.7/62

All: -59.560+/-92.736 χ^2/NDF: 253.5/119



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: 748.774+/-0.132 χ^2/NDF: 10542847.4/37

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

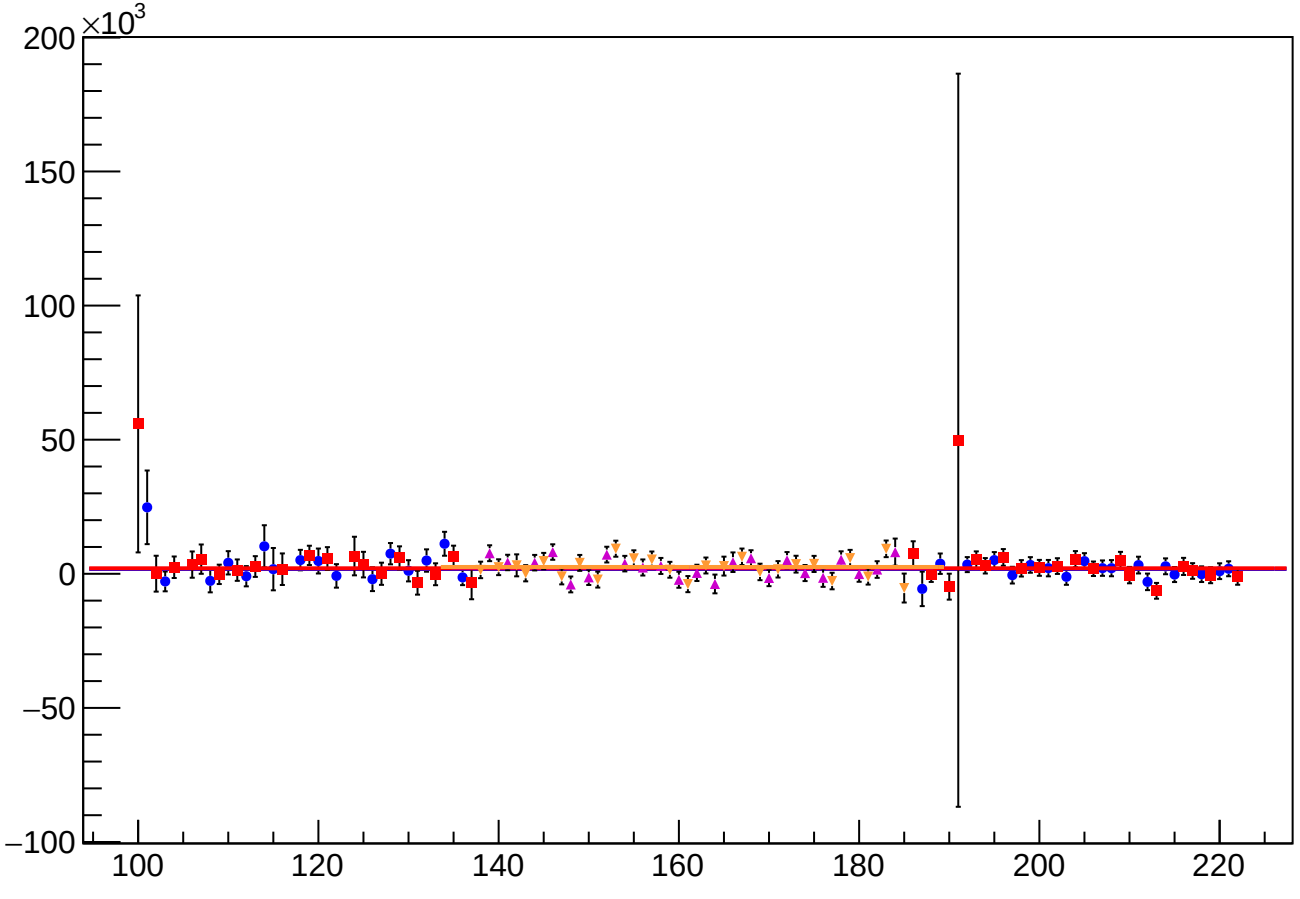
Right: 767.102+/-0.094 χ^2/NDF: 19683250.5/71

In: 778.321+/-0.094 χ^2/NDF:10183769.4/56

Out: 764.653+/-0.092 χ^2/NDF:11814989.3/62

All: 771.348+/-0.066 χ^2/NDF: 22009614.3/11

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: 2044.359+/-598.450 χ^2/NDF: 30.3/37

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

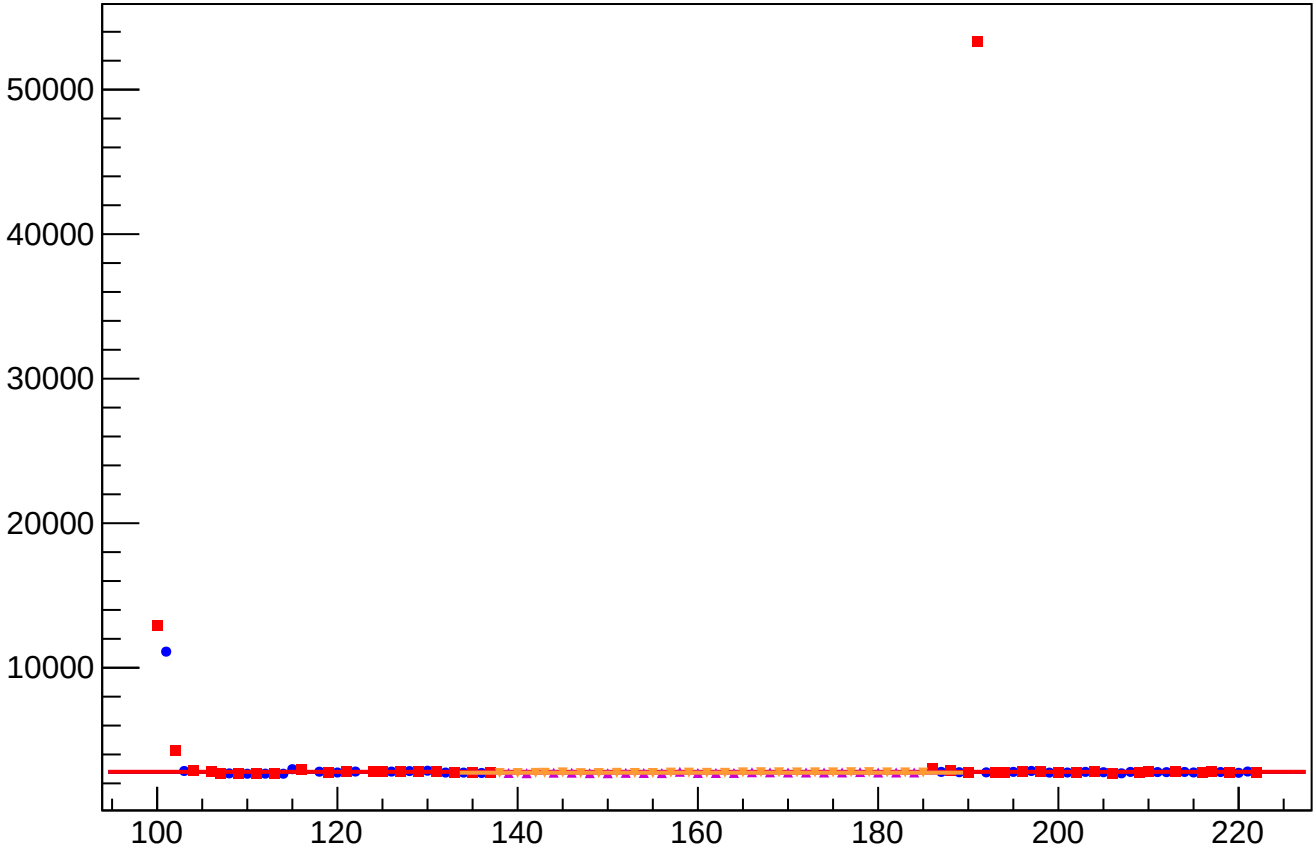
Right: 1922.059+/-423.238 χ^2/NDF: 58.1/71

In: 2082.980+/-437.223 χ^2/NDF:60.0/56

Out: 2284.949+/-431.332 χ^2/NDF:62.5/62

All: 2185.334+/-307.059 χ^2/NDF: 122.6/119

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: 2798.199+/-0.423 χ^2/NDF: 536536.3/37

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

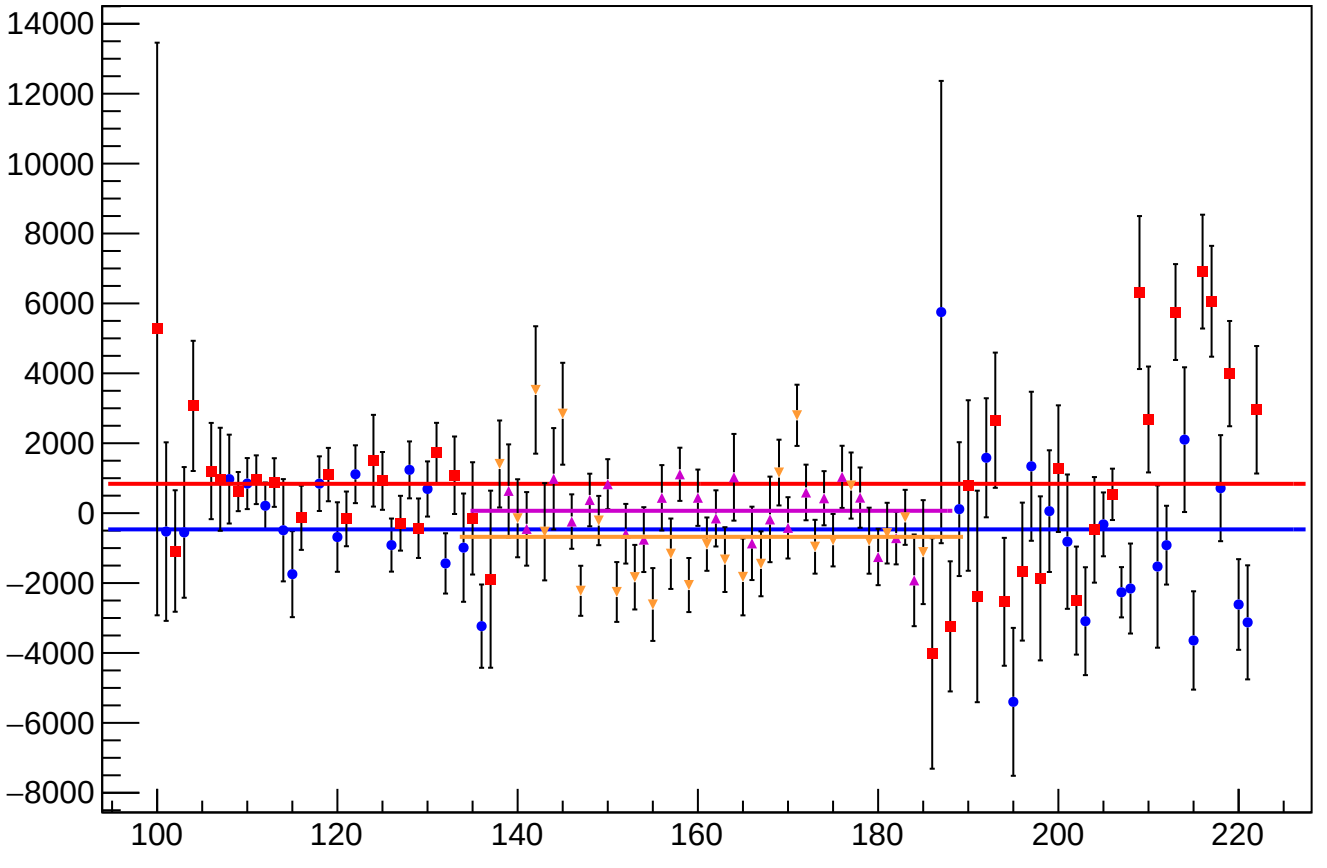
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.057+/-0.299 χ^2/NDF: 1288298.2/71

In: 2767.273+/-0.309 χ^2/NDF:761070.5/56

Out: 2769.899+/-0.305 χ^2/NDF:548166.3/62

All: 2768.604+/-0.217 χ^2/NDF: 1309273.3/11



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: 838.915+/-187.030 χ^2/NDF: 85.3/37

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

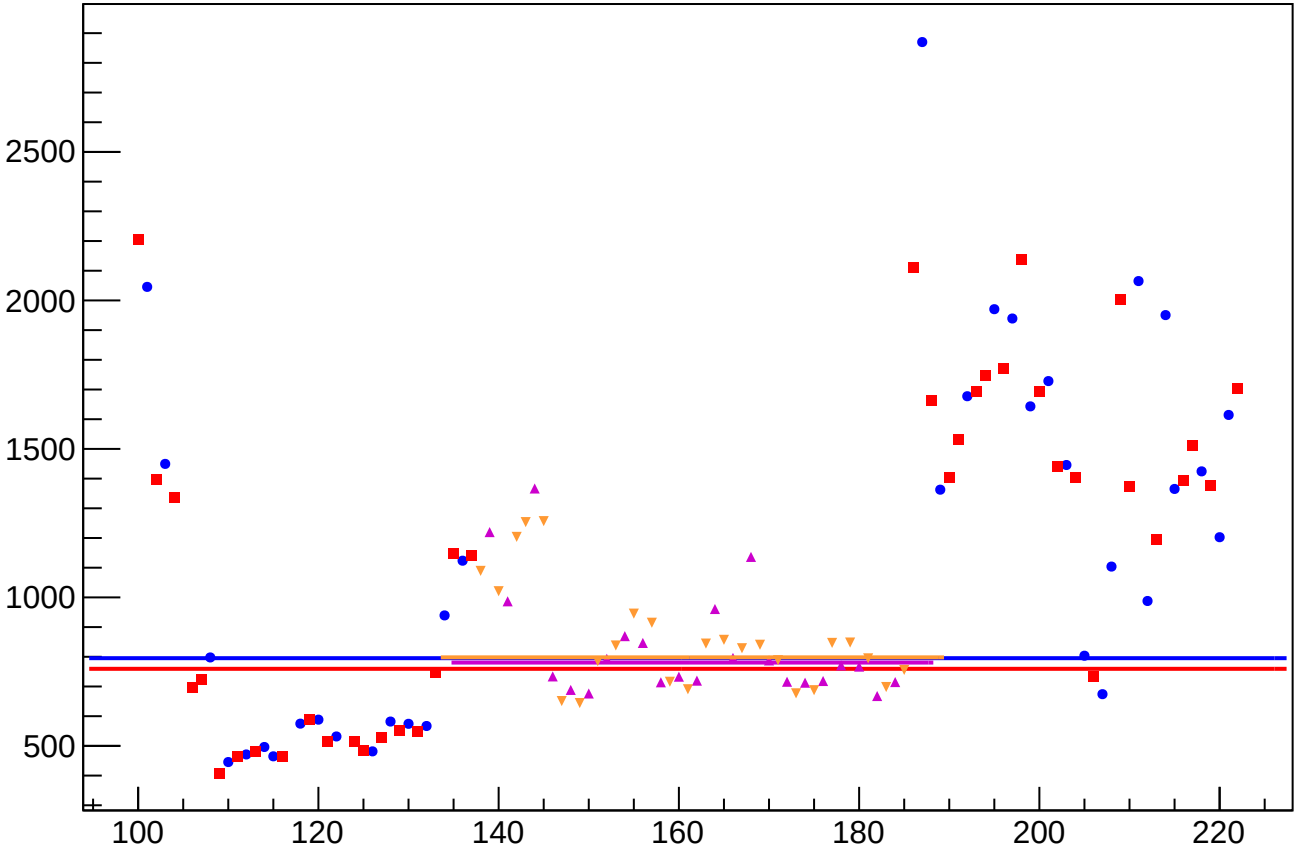
Right: 209.393+/-134.502 χ^2/NDF: 168.2/71

In: -187.460+/-133.905 χ^2/NDF:79.1/56

Out: 72.083+/-131.528 χ^2/NDF:174.8/62

All: -55.365+/-93.834 χ^2/NDF: 255.9/119

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



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: 759.492+/-0.132 χ^2/NDF: 10792036.5/37

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

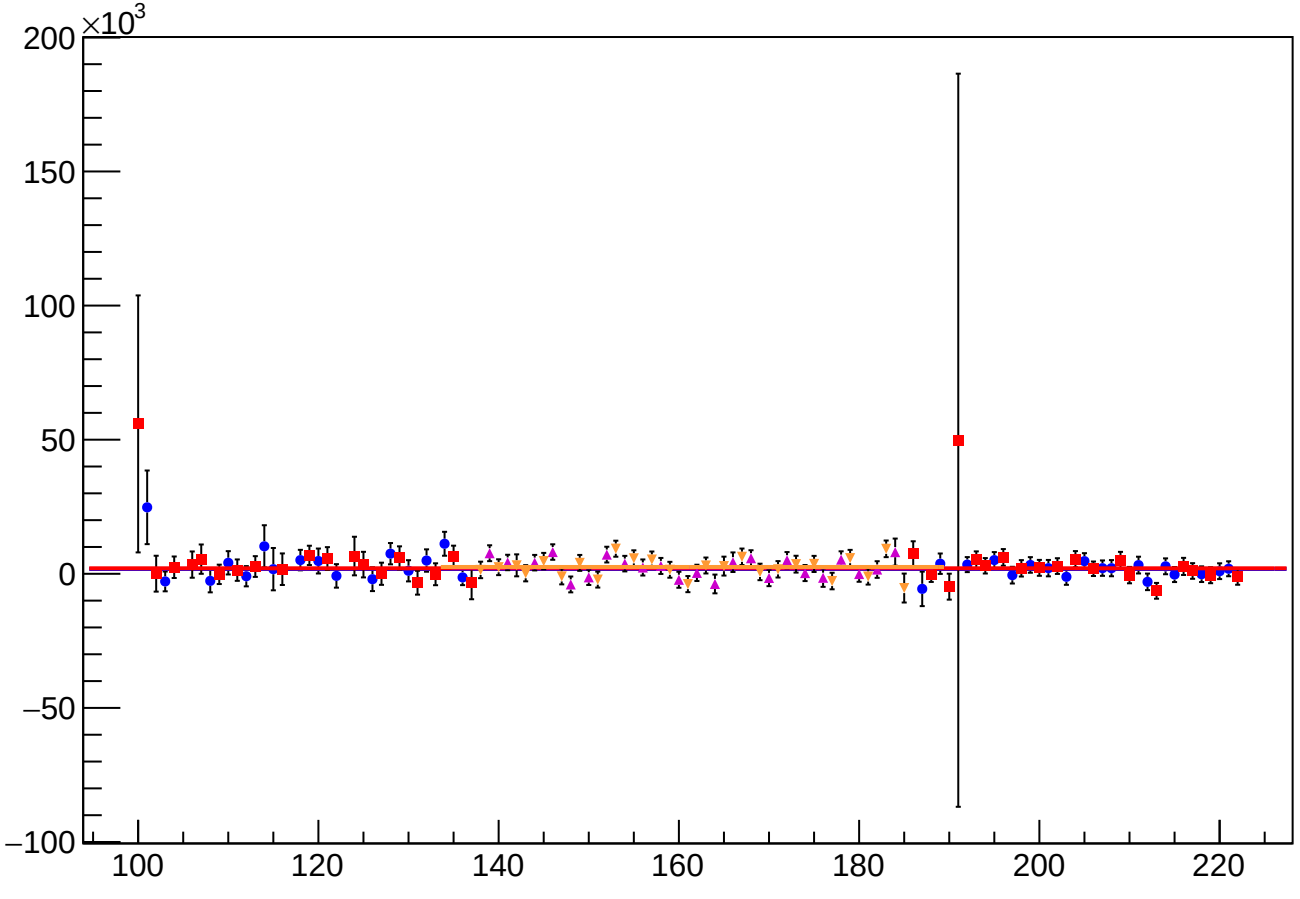
Right: 776.796+/-0.095 χ^2/NDF: 20332744.5/71

In: 787.611+/-0.095 χ^2/NDF:10576177.8/56

Out: 779.002+/-0.093 χ^2/NDF:12003446.3/62

All: 783.229+/-0.066 χ^2/NDF: 22583831.7/1

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: 2044.355+/-598.450 χ^2/NDF: 30.3/37

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

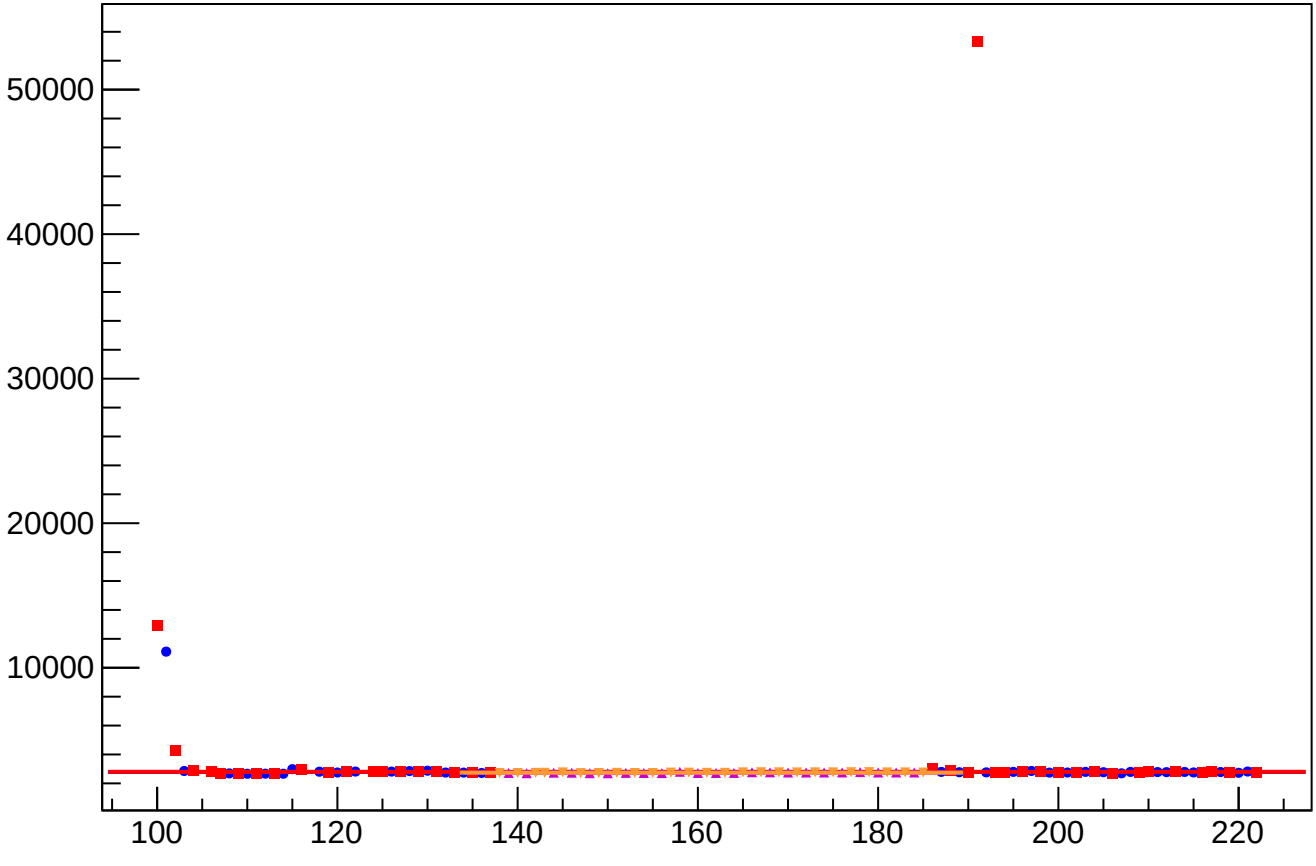
Right: 1922.058+/-423.238 χ^2/NDF: 58.1/71

In: 2082.981+/-437.223 χ^2/NDF:60.0/56

Out: 2284.947+/-431.332 χ^2/NDF:62.5/62

All: 2185.334+/-307.059 χ^2/NDF: 122.6/119

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: 2798.199+/-0.423 χ^2/NDF: 536536.1/37

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

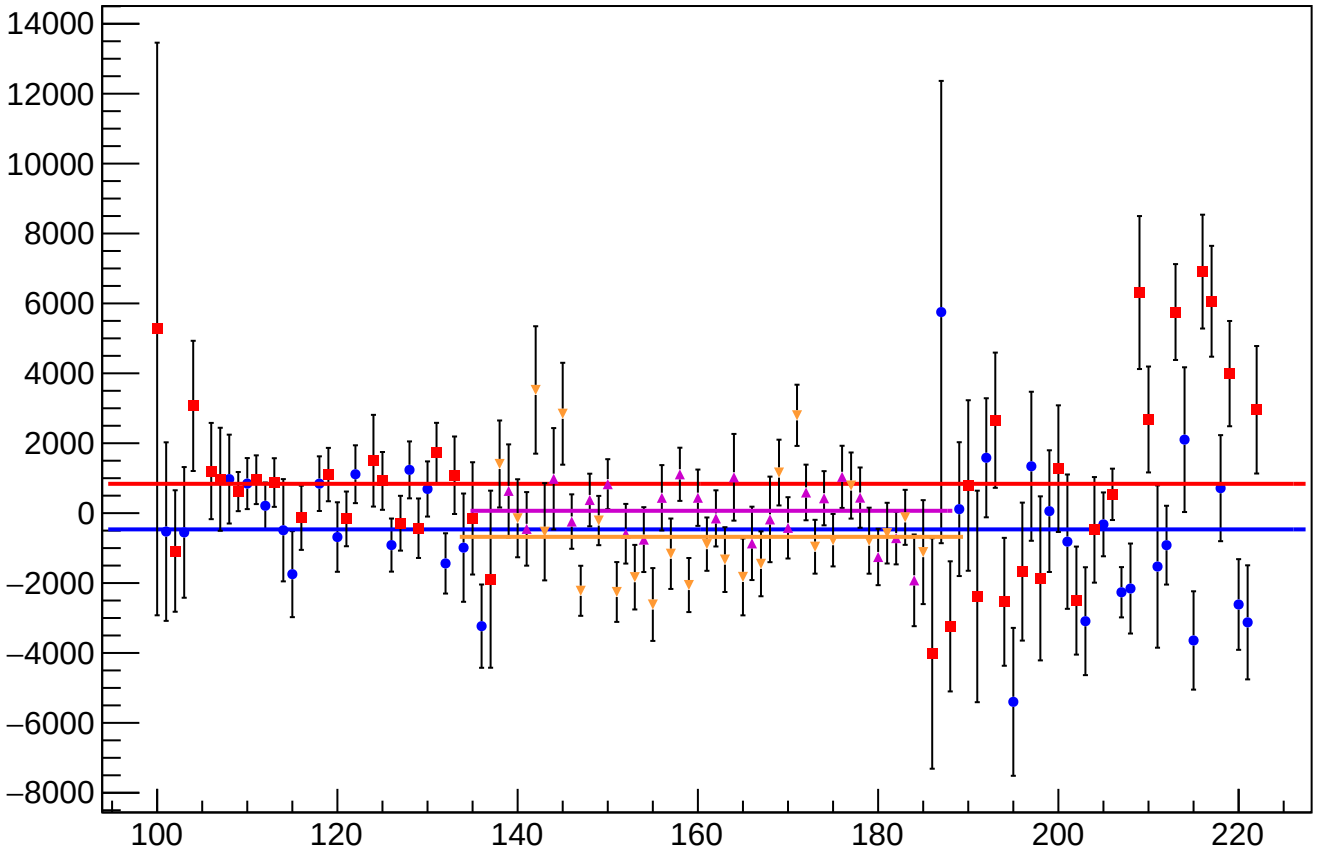
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.057+/-0.299 χ^2/NDF: 1288298.0/71

In: 2767.273+/-0.309 χ^2/NDF:761070.4/56

Out: 2769.899+/-0.305 χ^2/NDF:548166.1/62

All: 2768.604+/-0.217 χ^2/NDF: 1309273.0/11



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: 838.914+/-187.031 χ^2/NDF: 85.3/37

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

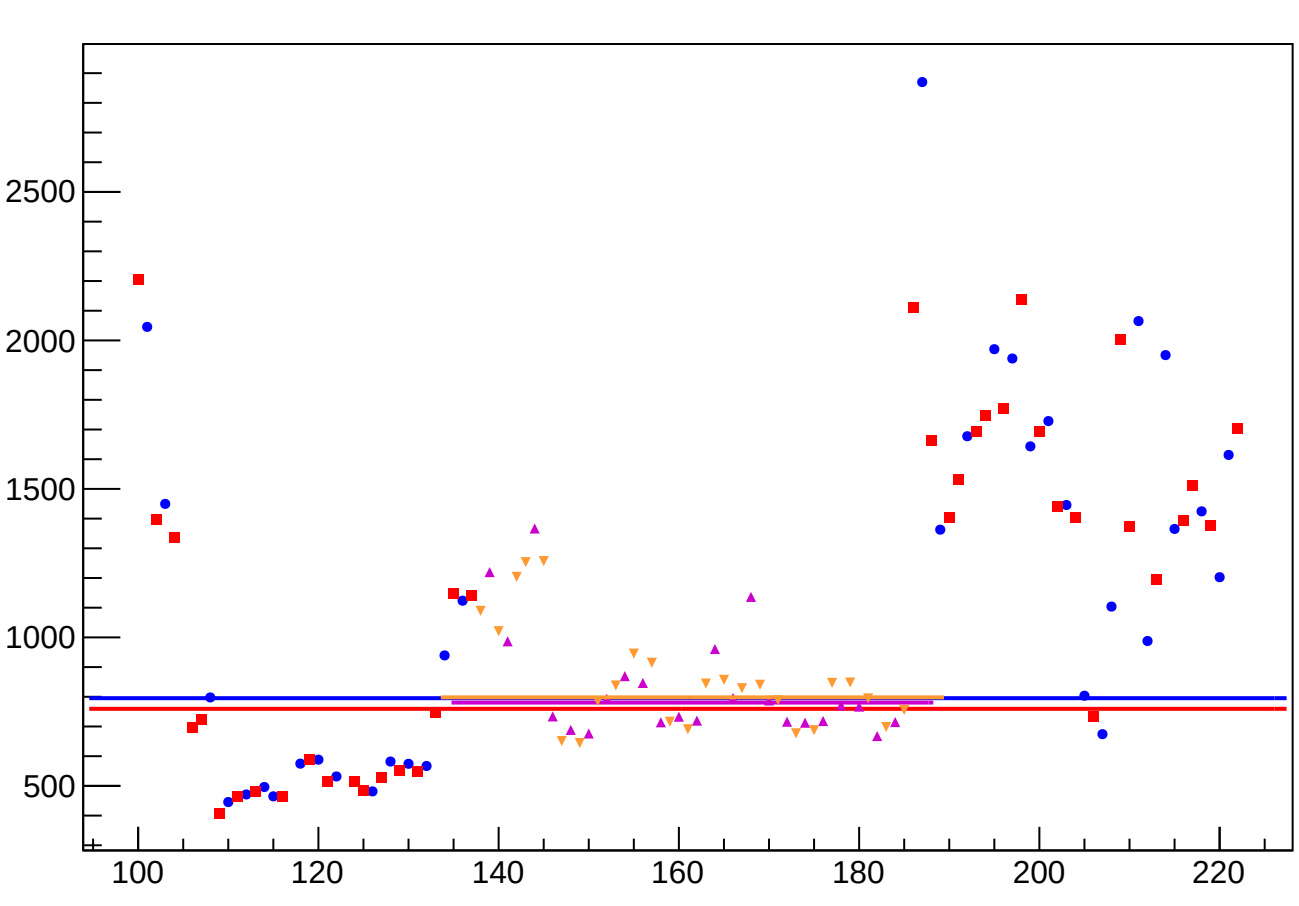
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 209.394+/-134.502 χ^2/NDF: 168.2/71

In: -187.459+/-133.905 χ^2/NDF:79.1/56

Out: 72.081+/-131.528 χ^2/NDF:174.8/62

All: -55.365+/-93.834 χ^2/NDF: 255.9/119



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: 759.492+/-0.132 χ^2/NDF: 10792054.0/37

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

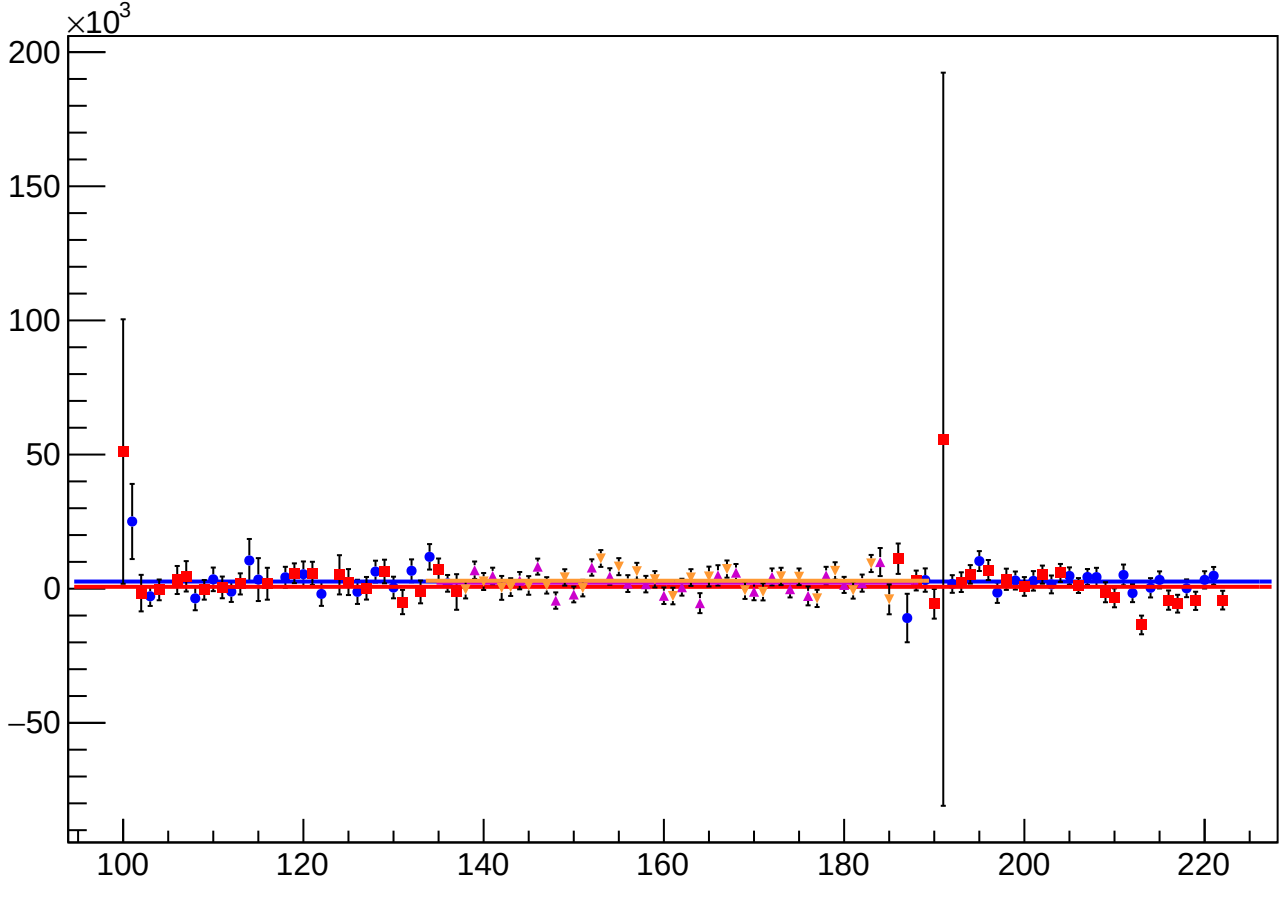
Right: 776.797+/-0.095 χ^2/NDF: 20332773.5/71

In: 787.611+/-0.095 χ^2/NDF:10576192.3/56

Out: 779.002+/-0.093 χ^2/NDF:12003465.4/62

All: 783.229+/-0.066 χ^2/NDF: 22583865.3/1

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: 707.595+/-665.764 χ^2/NDF: 54.8/37

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

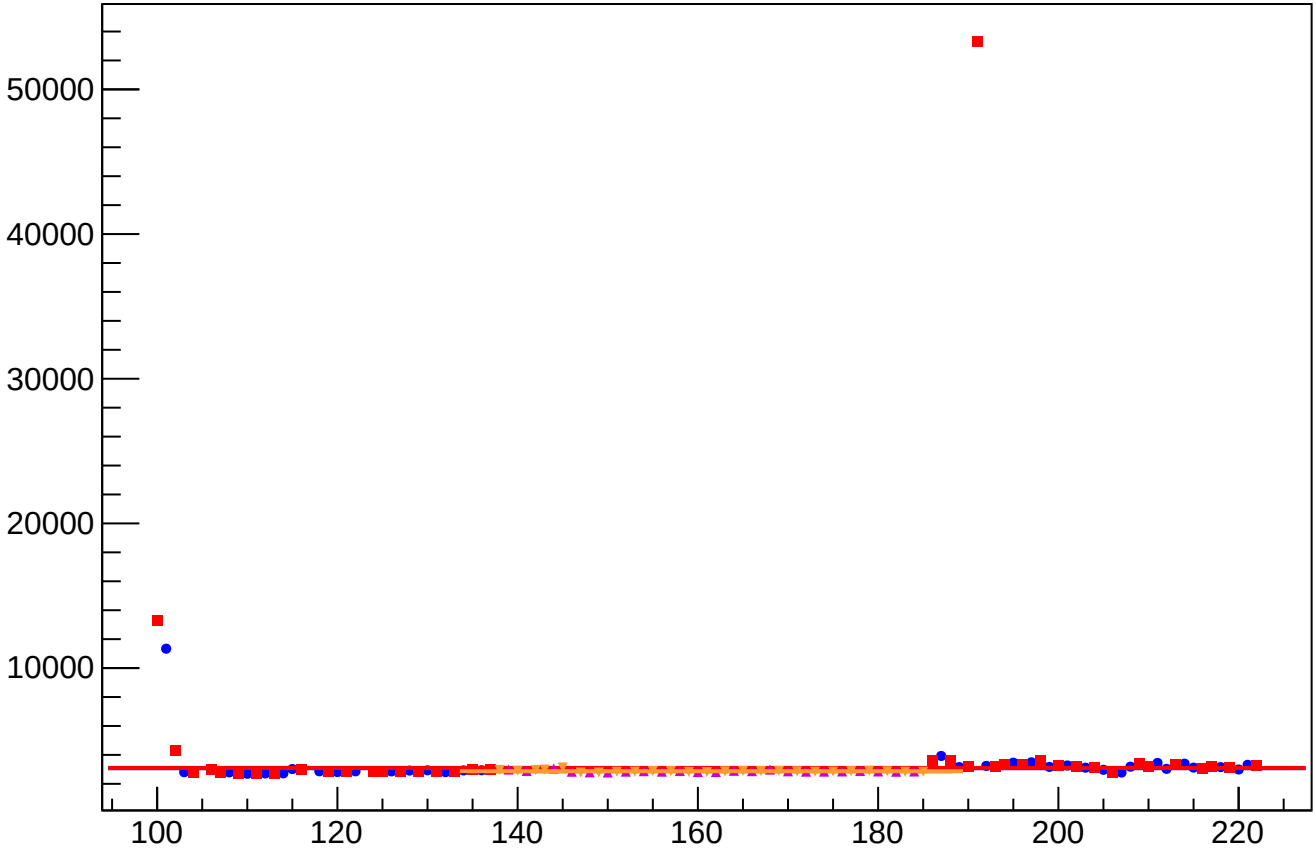
Right: 1693.035+/-469.646 χ^2/NDF: 88.5/71

In: 2455.821+/-471.239 χ^2/NDF:63.3/56

Out: 1859.860+/-466.292 χ^2/NDF:96.4/62

All: 2154.696+/-331.454 χ^2/NDF: 160.6/119

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: 3100.391+/-0.471 χ^2/NDF: 767227.8/37

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

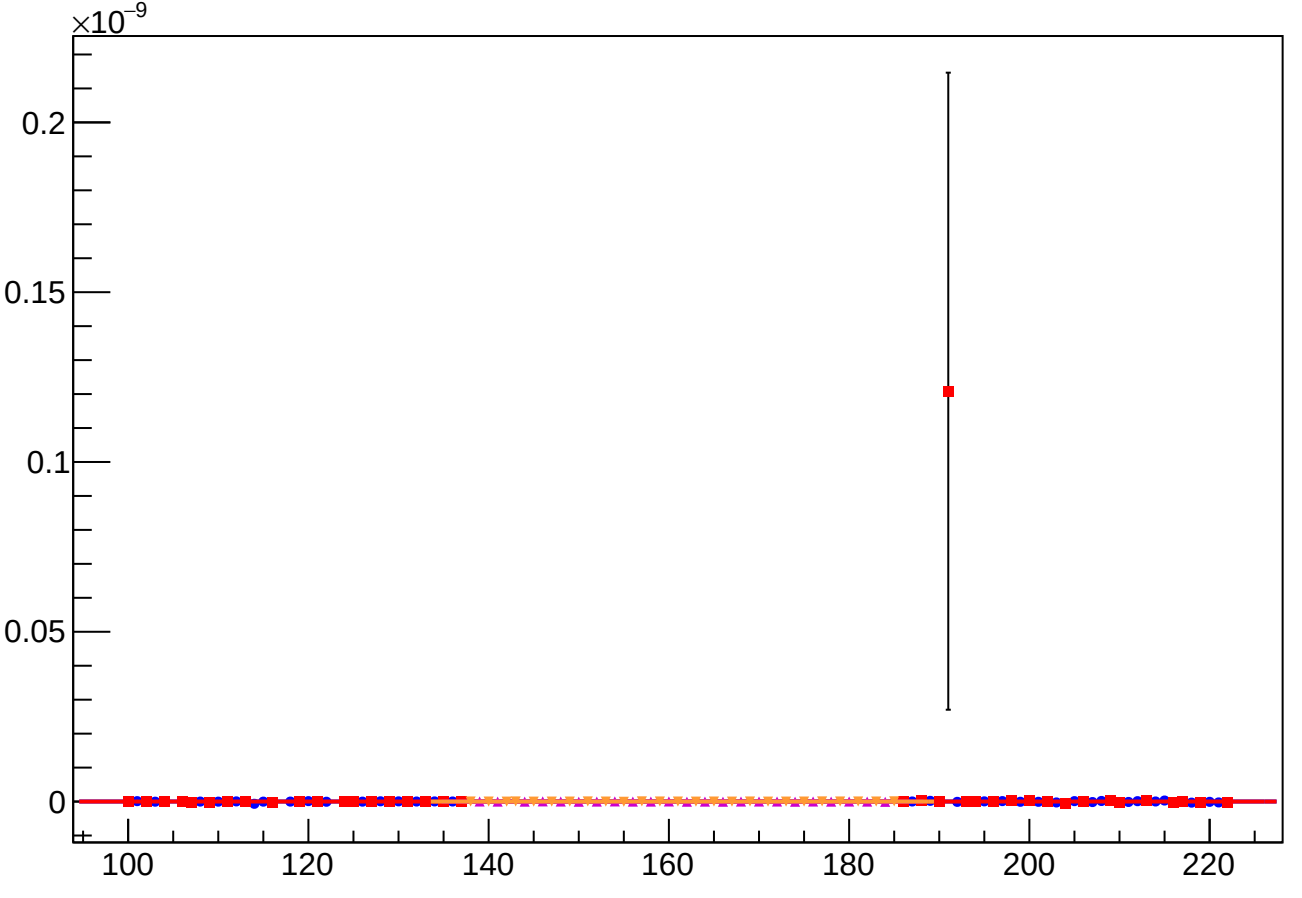
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3089.234+/-0.332 χ^2/NDF: 1708575.8/71

In: 2975.373+/-0.333 χ^2/NDF:1055344.1/56

Out: 2985.529+/-0.330 χ^2/NDF:905866.6/62

All: 2980.505+/-0.234 χ^2/NDF: 1961680.2/11



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: 48.2/37

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

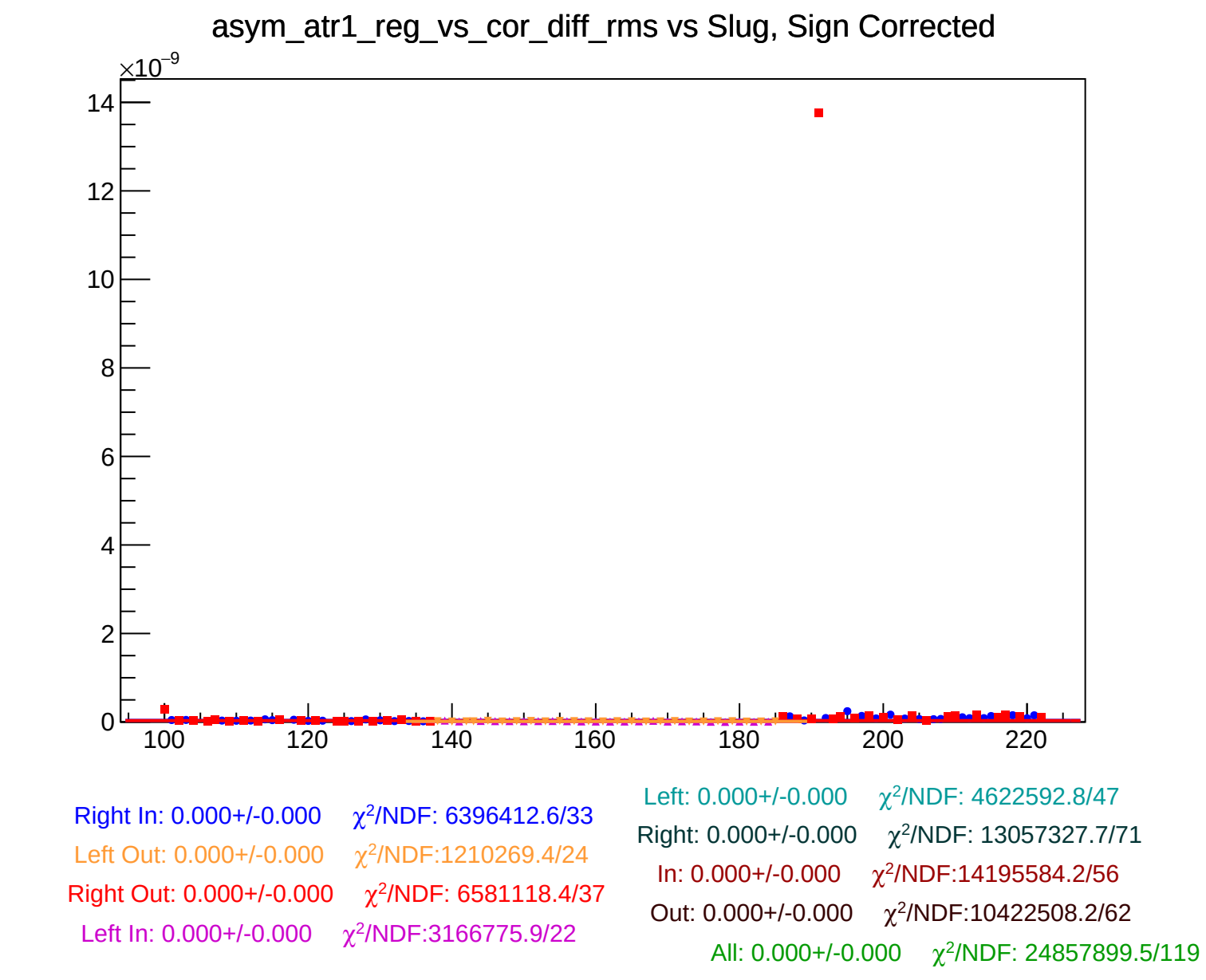
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 78.1/71

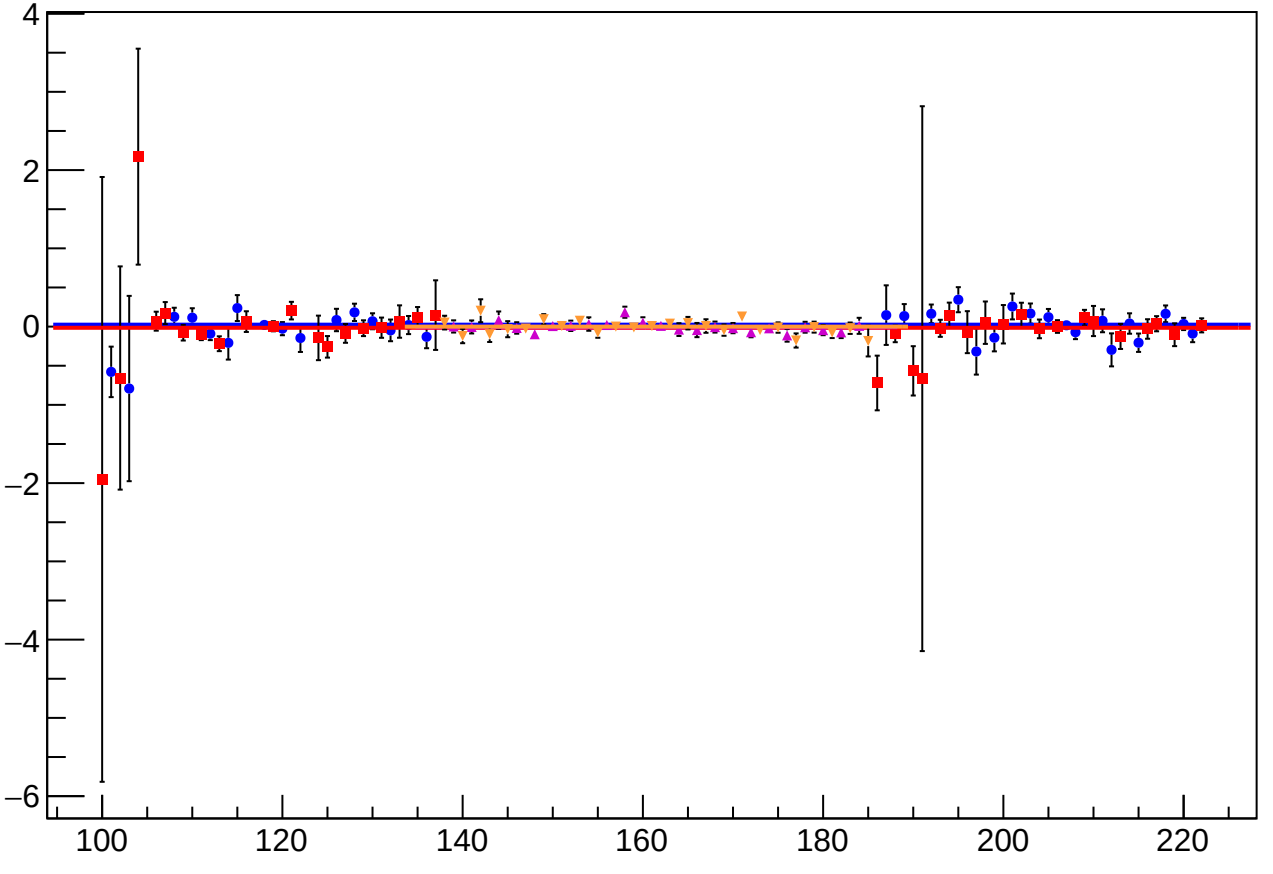
In: -0.000+/-0.000 χ^2/NDF:59.8/56

Out: 0.000+/-0.000 χ^2/NDF:62.9/62

All: -0.000+/-0.000 χ^2/NDF: 123.4/119


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: 6581118.4/37
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: 13057327.7/71
In: 0.000+/-0.000 χ²/NDF:14195584.2/56
Out: 0.000+/-0.000 χ²/NDF:10422508.2/62
All: 0.000+/-0.000 χ²/NDF: 24857899.5/119

asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.021 χ^2/NDF: 34.0/37

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

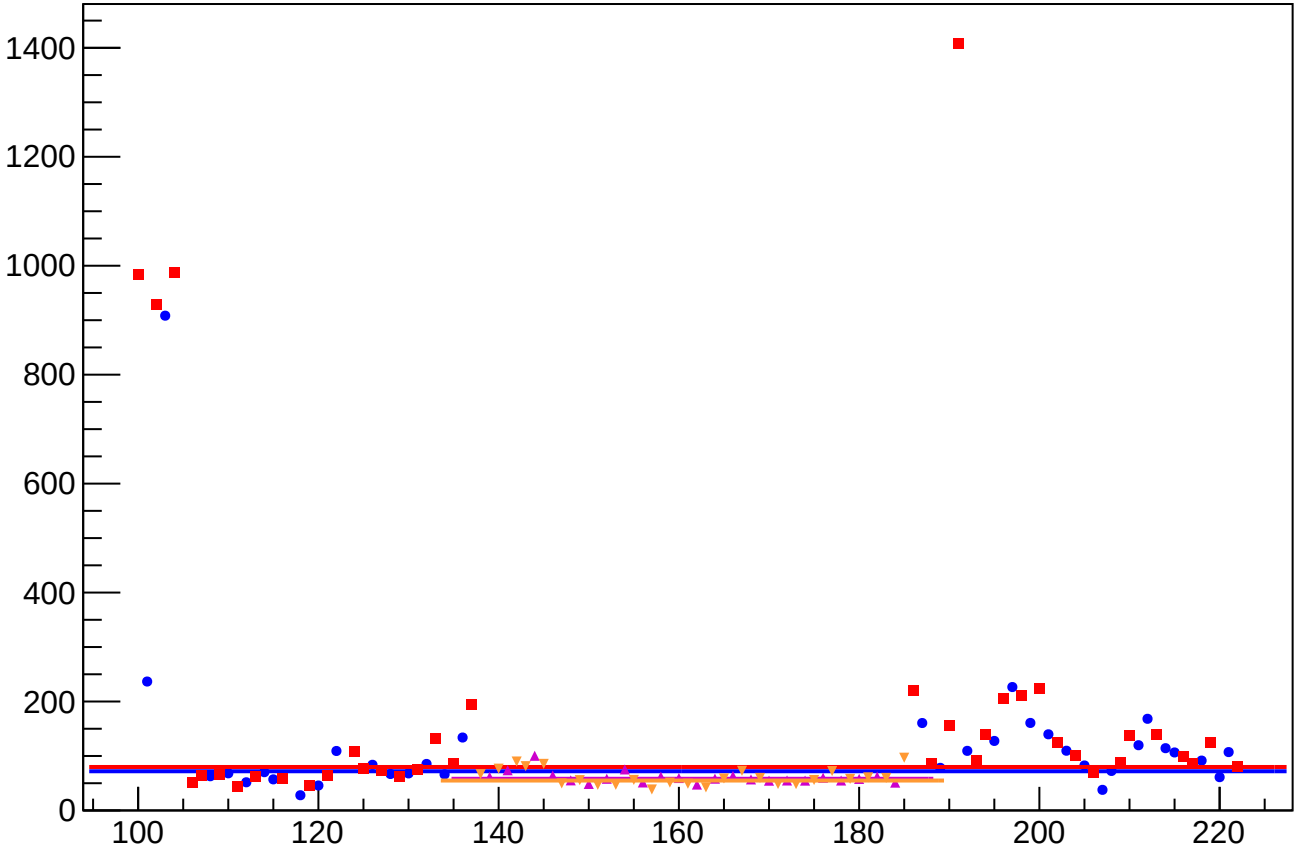
Right: 0.006+/-0.014 χ^2/NDF: 73.7/71

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/62

All: -0.001+/-0.008 χ^2/NDF: 112.3/119

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 79.801+/-0.015 χ^2/NDF: 7035560.3/37

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

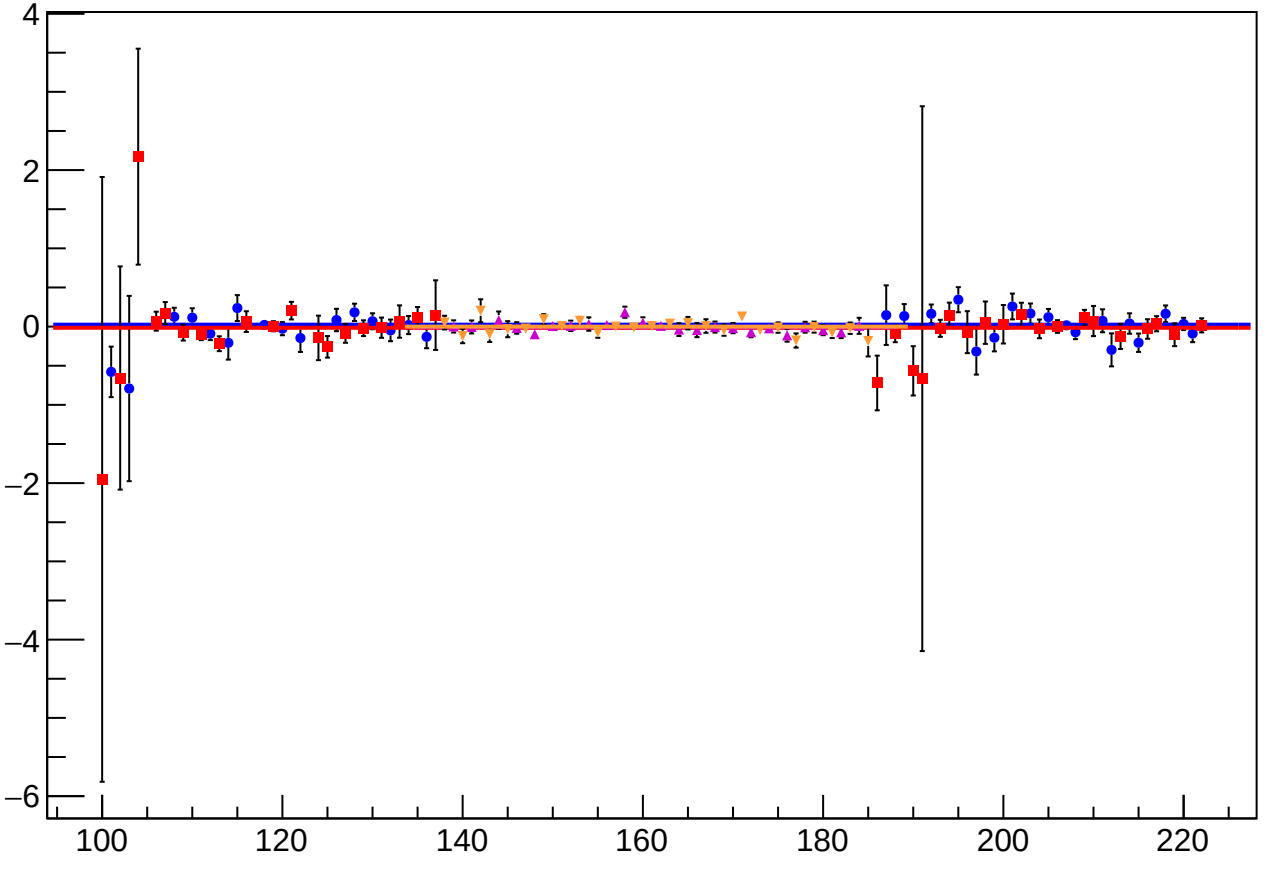
Right: 75.607+/-0.010 χ^2/NDF: 15138902.8/71

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 62.768+/-0.008 χ^2/NDF:10295544.0/62

All: 63.004+/-0.006 χ^2/NDF: 19546902.2/119

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.021 χ^2/NDF: 34.0/37

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

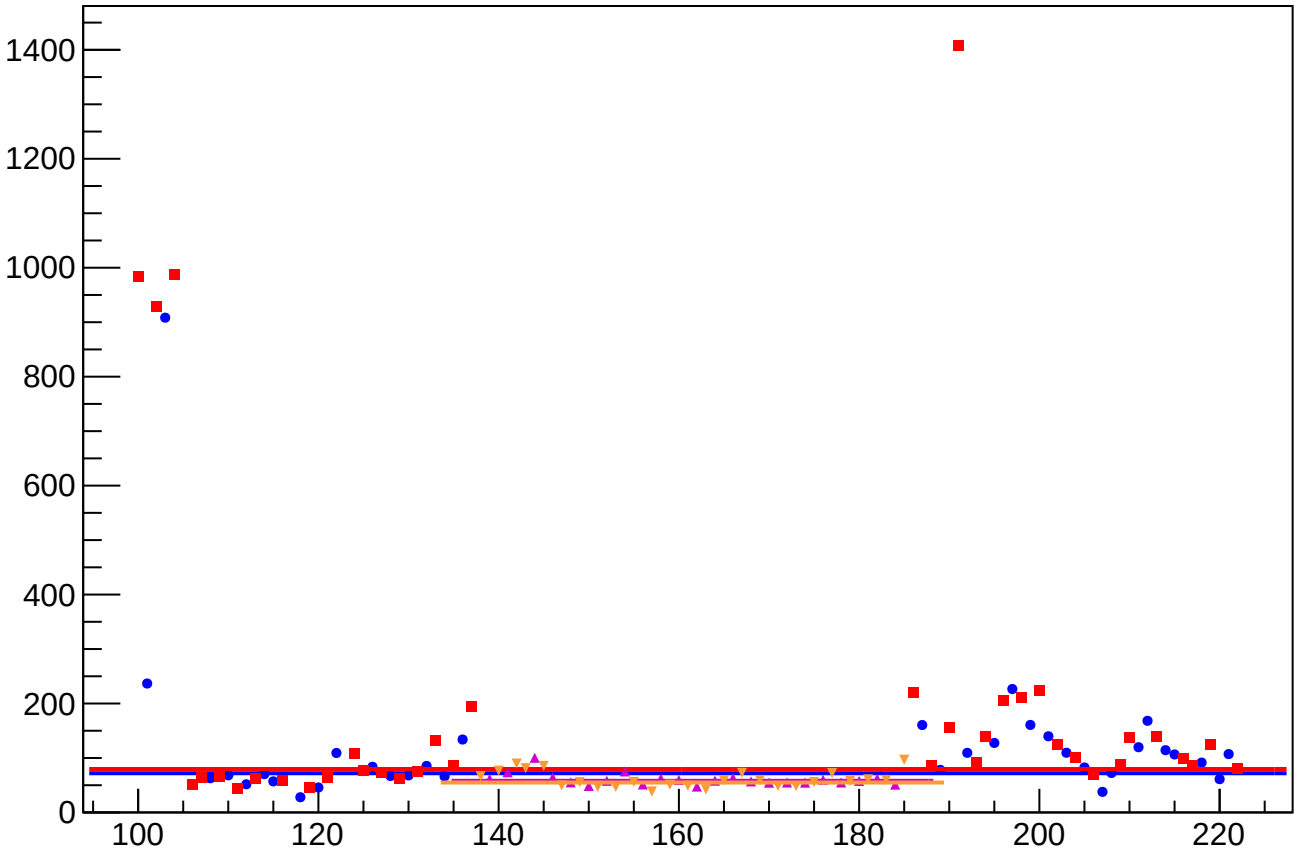
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.014 χ^2/NDF: 73.7/71

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/62

All: -0.001+/-0.008 χ^2/NDF: 112.3/119



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: 79.801+/-0.015 χ^2/NDF: 7035560.3/37

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

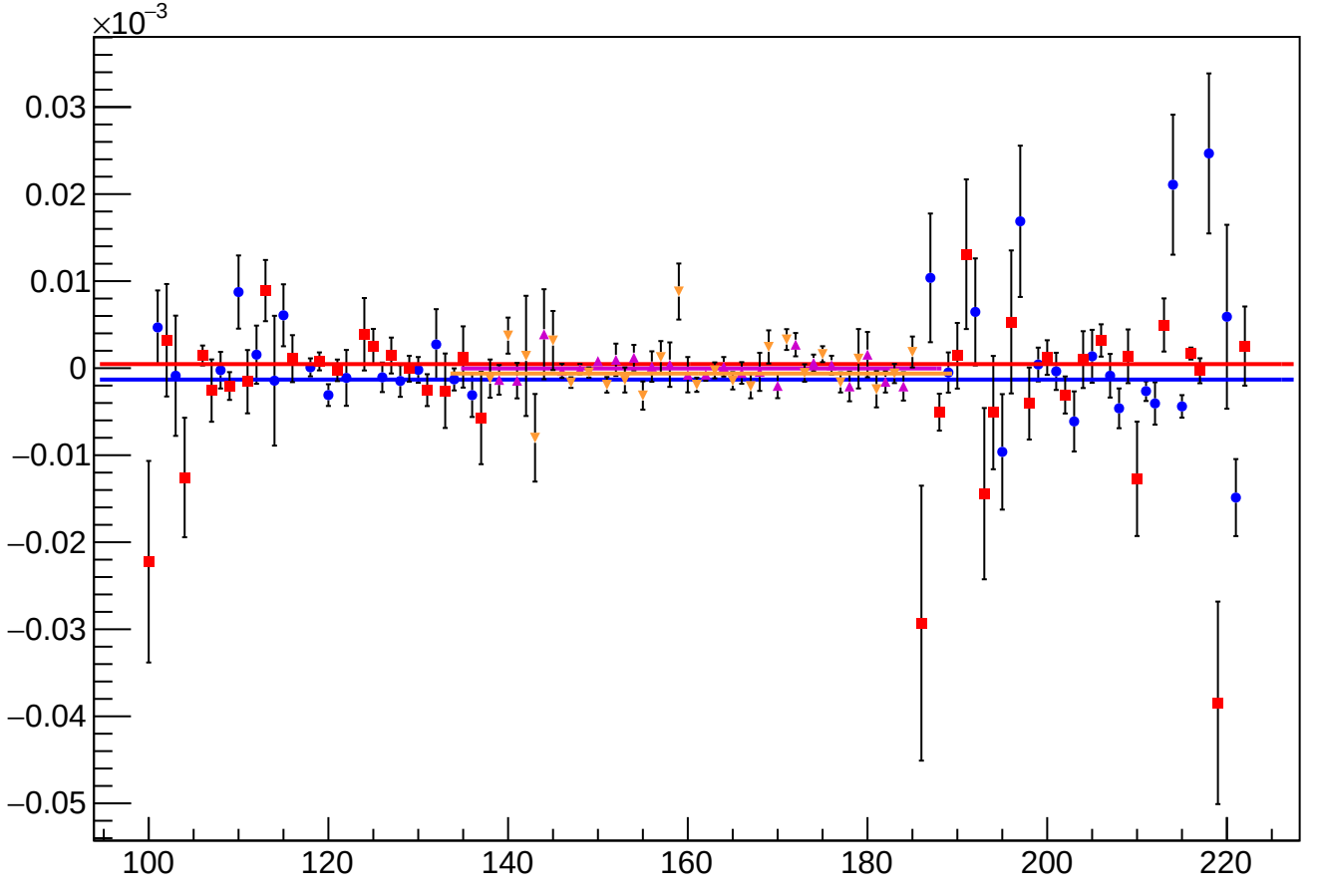
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 75.607+/-0.010 χ^2/NDF: 15138902.8/71

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 62.768+/-0.008 χ^2/NDF:10295544.0/62

All: 63.004+/-0.006 χ^2/NDF: 19546902.2/119



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: 68.0/37

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

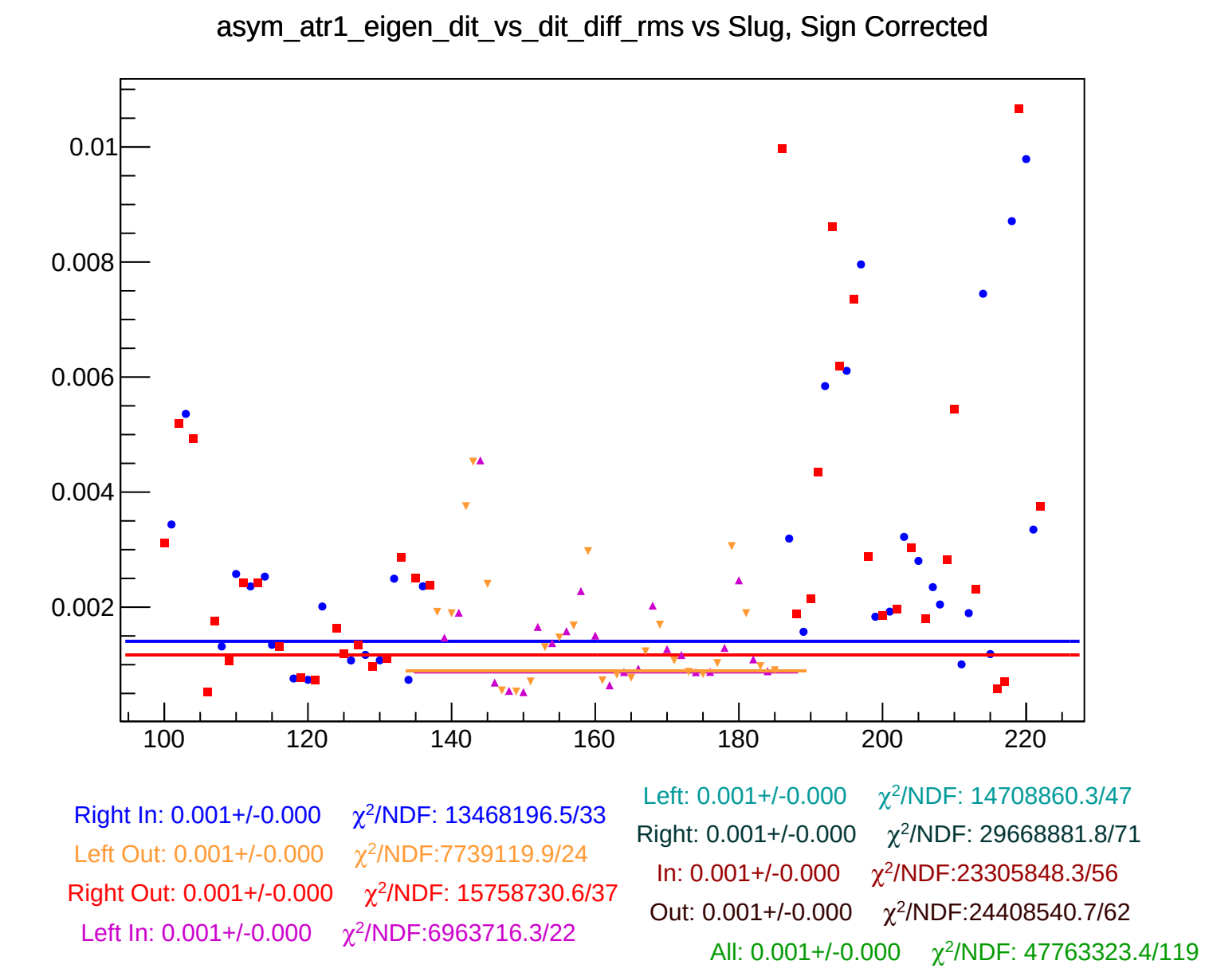
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 149.3/71

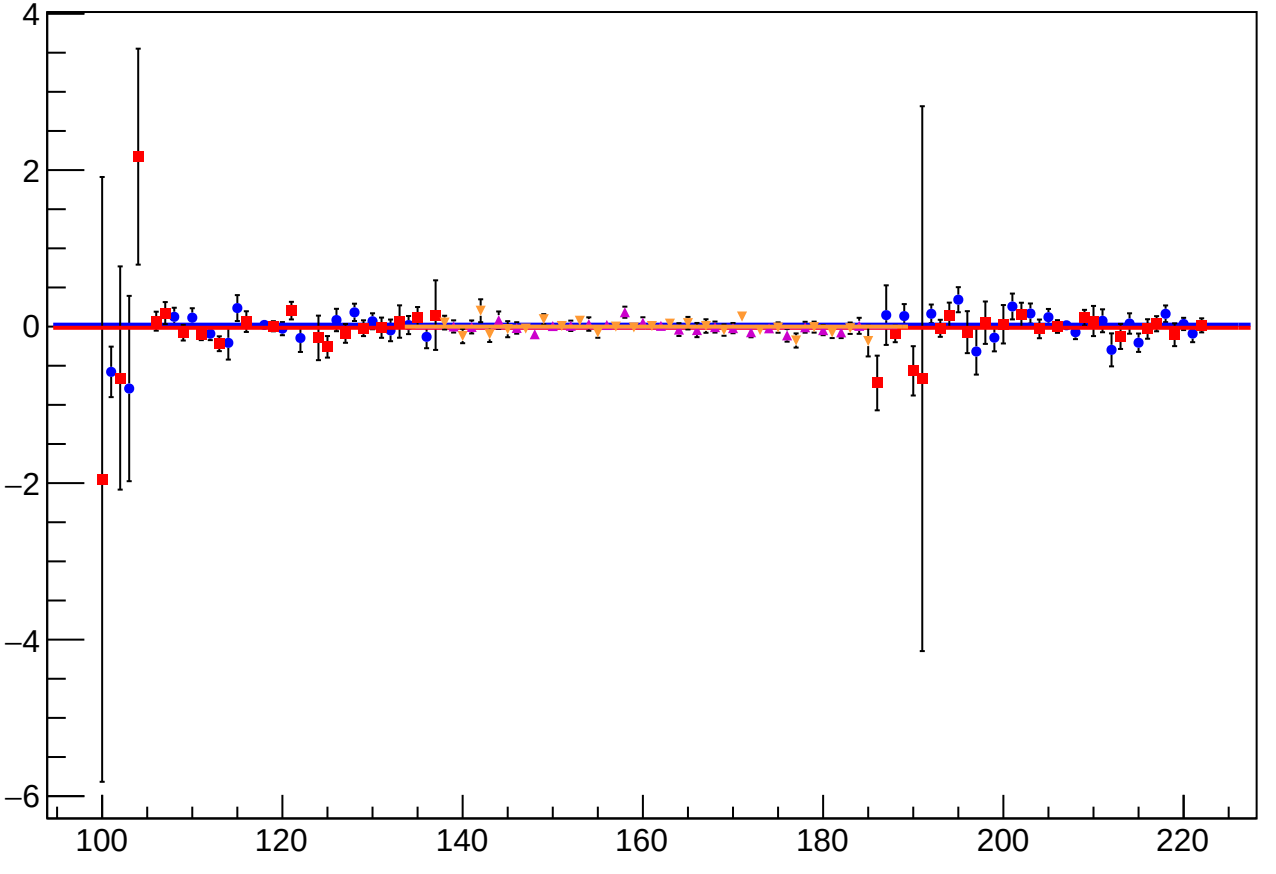
In: -0.000+/-0.000 χ^2/NDF:95.4/56

Out: -0.000+/-0.000 χ^2/NDF:127.8/62

All: -0.000+/-0.000 χ^2/NDF: 223.4/119


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: 15758730.6/37
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: 29668881.8/71
In: 0.001+/-0.000 χ²/NDF:23305848.3/56
Out: 0.001+/-0.000 χ²/NDF:24408540.7/62
All: 0.001+/-0.000 χ²/NDF: 47763323.4/119

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.021 χ^2/NDF: 34.0/37

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

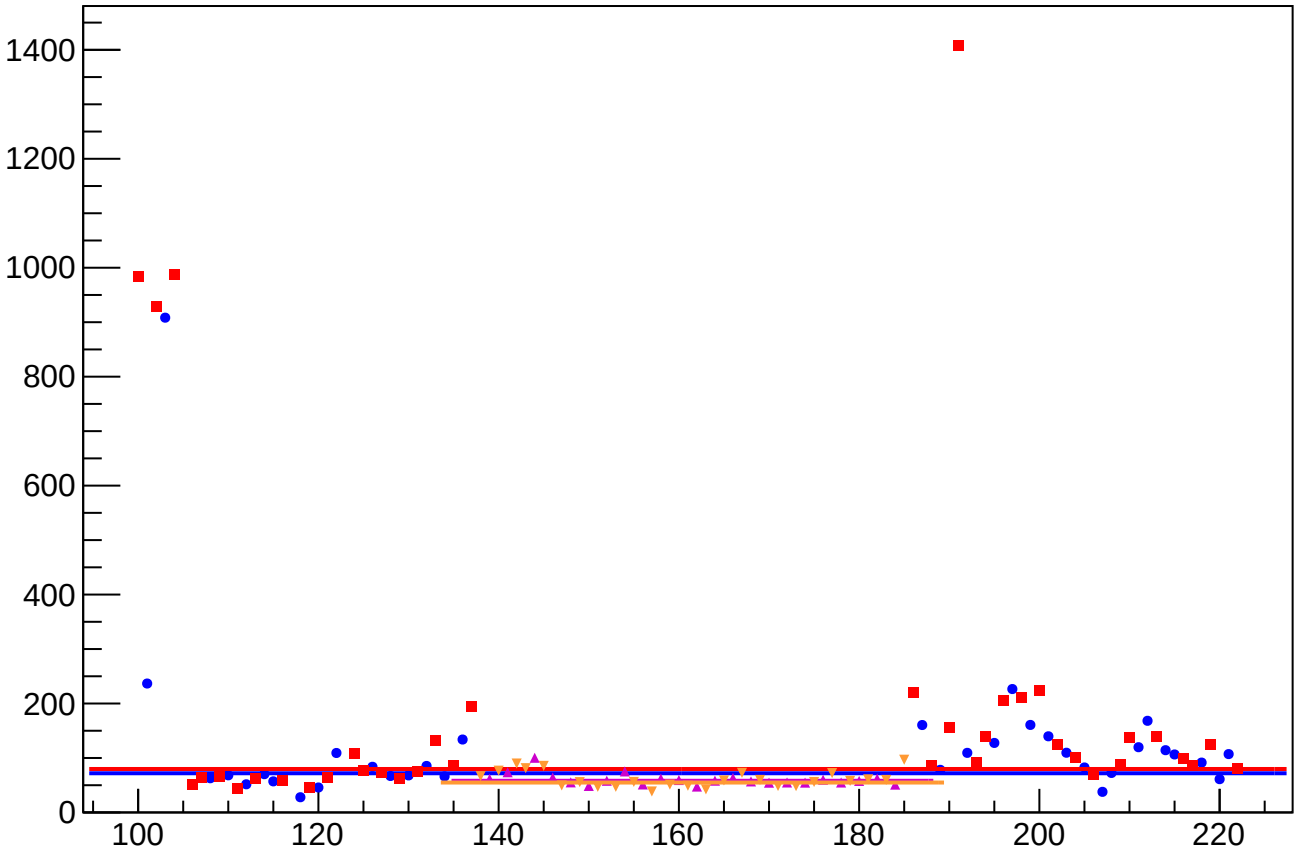
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.014 χ^2/NDF: 73.7/71

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/62

All: -0.001+/-0.008 χ^2/NDF: 112.3/119



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: 79.800+/-0.015 χ^2/NDF: 7035554.3/37

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

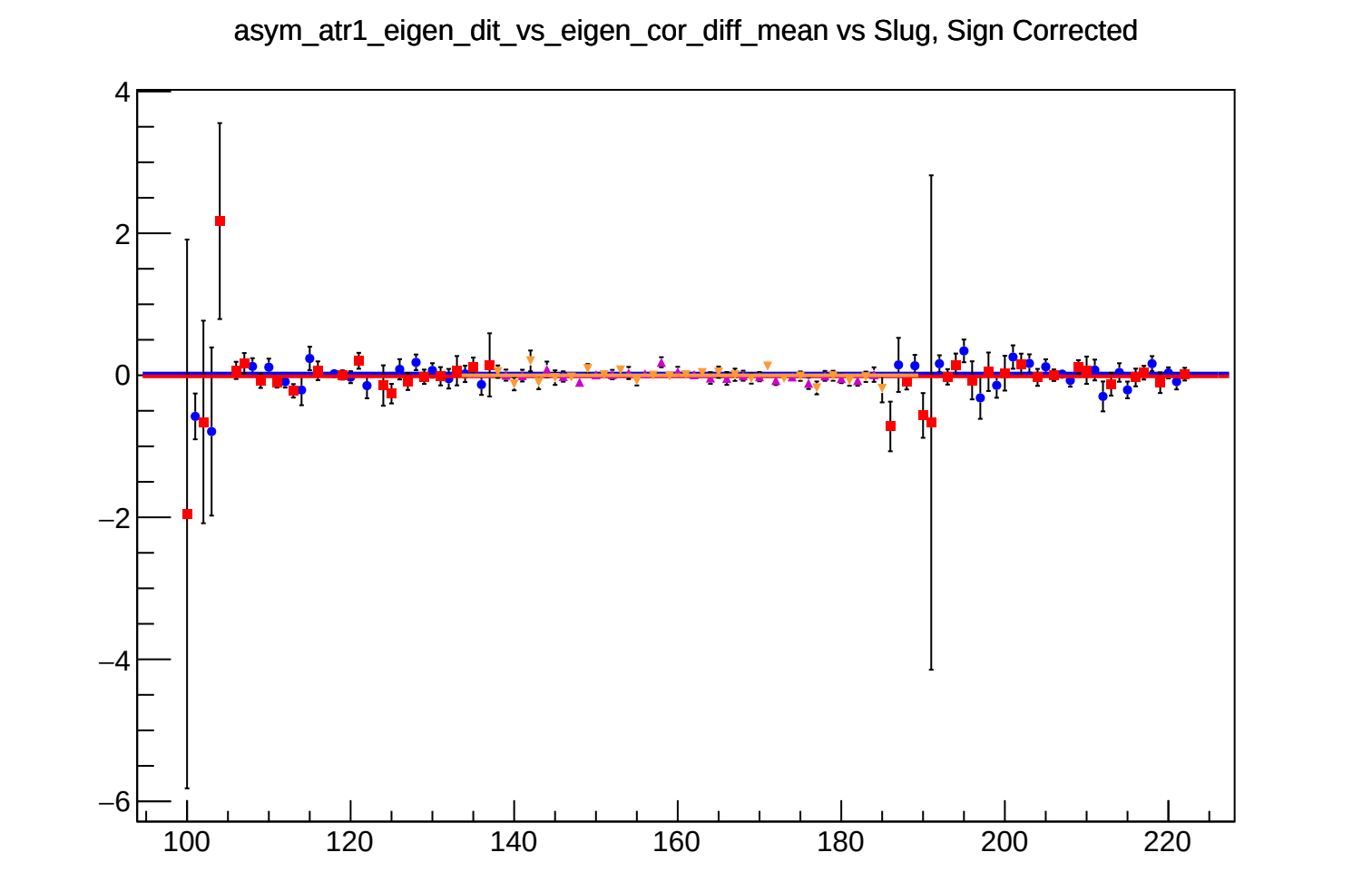
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.607+/-0.010 χ^2/NDF: 15139266.6/71

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 62.768+/-0.008 χ^2/NDF:10295654.0/62

All: 63.003+/-0.006 χ^2/NDF: 19547252.8/119



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: -0.015+/-0.021 χ^2/NDF: 34.0/37

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

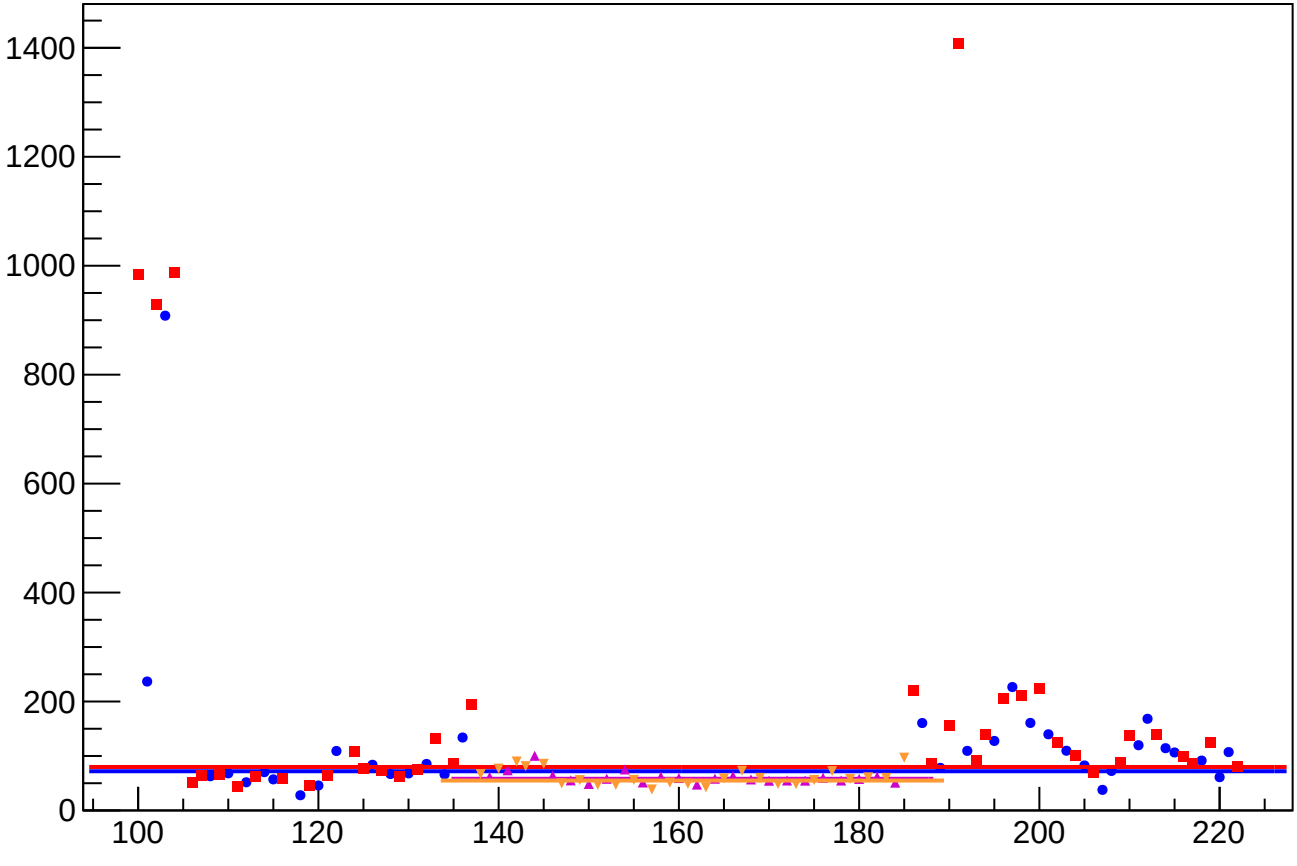
Right: 0.006+/-0.014 χ^2/NDF: 73.7/71

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/62

All: -0.001+/-0.008 χ^2/NDF: 112.3/119

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: 79.800+/-0.015 χ^2/NDF: 7035554.3/37

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

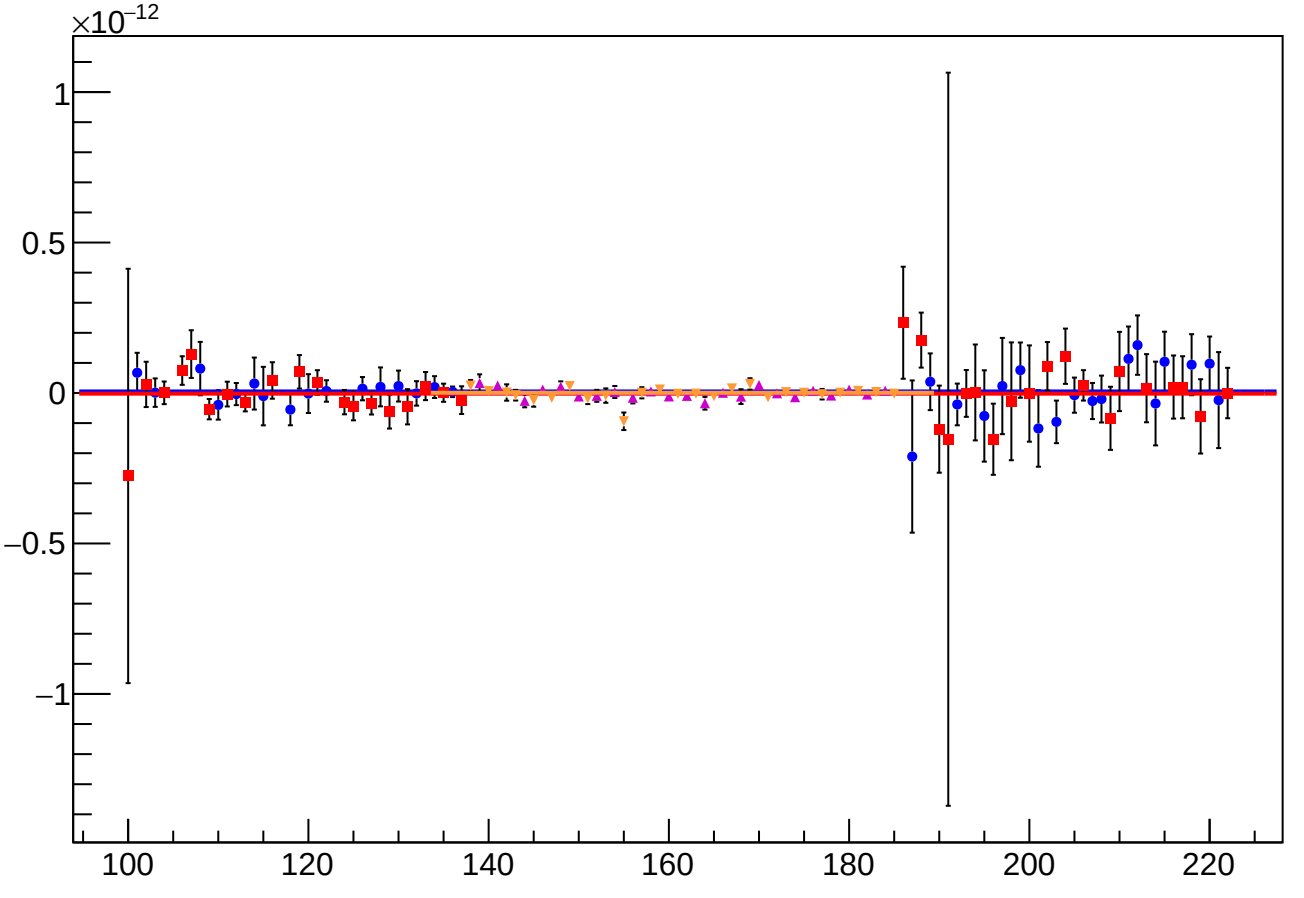
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.607+/-0.010 χ^2/NDF: 15139266.6/71

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 62.768+/-0.008 χ^2/NDF:10295654.0/62

All: 63.003+/-0.006 χ^2/NDF: 19547252.8/119



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: 28.9/37

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

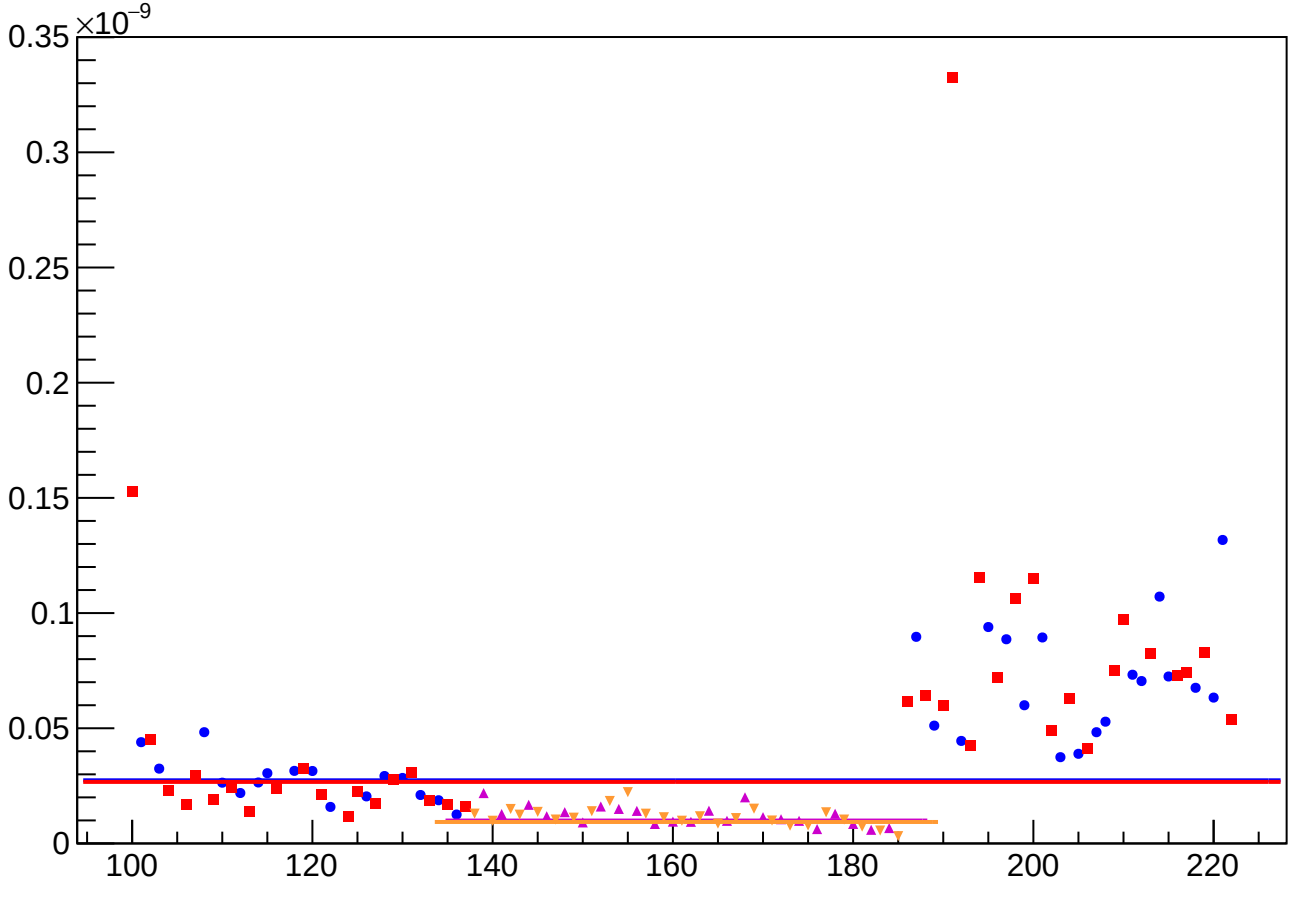
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 45.5/71

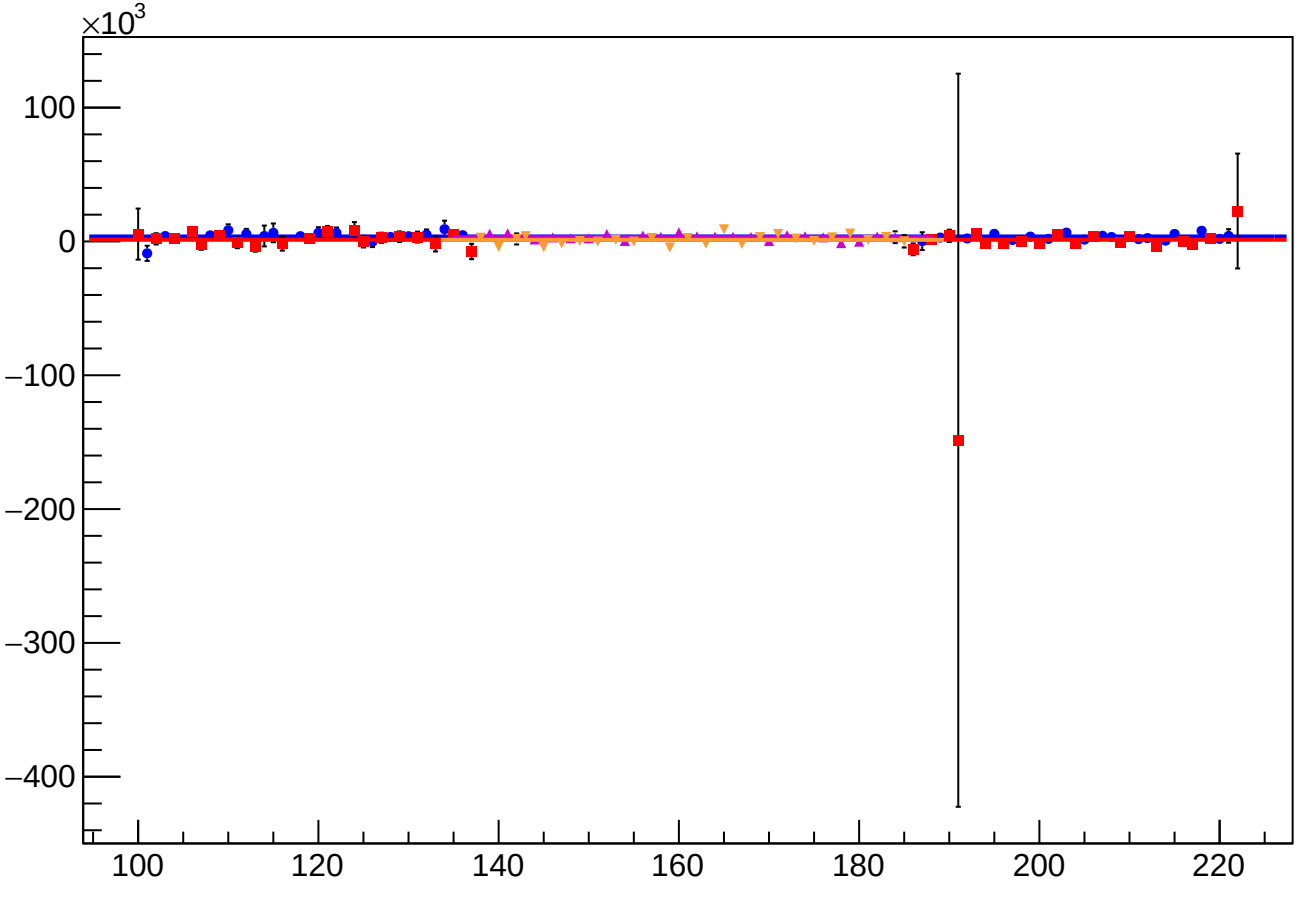
In: 0.000+/-0.000 χ^2/NDF:36.8/56

Out: 0.000+/-0.000 χ^2/NDF:54.3/62

All: 0.000+/-0.000 χ^2/NDF: 91.1/119


asym_atr1_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: 7848875.4/33
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 7798927.9/37
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
Left: 0.000+/-0.000 χ²/NDF: 5690216.6/47
Right: 0.000+/-0.000 χ²/NDF: 15653325.2/71
In: 0.000+/-0.000 χ²/NDF:16880218.5/56
Out: 0.000+/-0.000 χ²/NDF:17317223.3/62
All: 0.000+/-0.000 χ²/NDF: 34286191.3/119

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: 1256.207+/-583.020 χ^2/NDF: 33.4/37

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

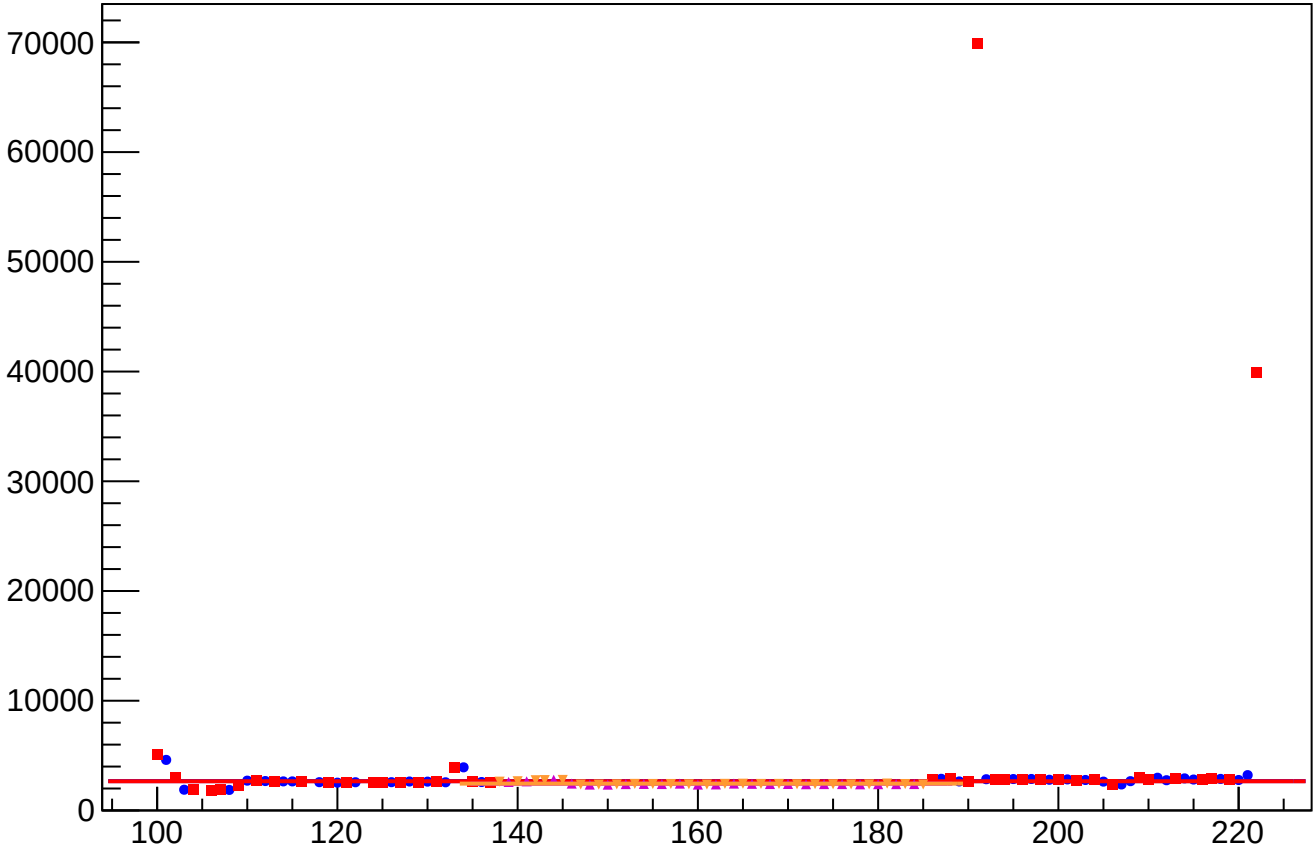
Right: 2485.022+/-412.187 χ^2/NDF: 59.5/71

In: 3423.534+/-407.224 χ^2/NDF:30.4/56

Out: 1220.939+/-402.456 χ^2/NDF:64.5/62

All: 2309.268+/-286.250 χ^2/NDF: 109.8/119

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: 2661.589+/-0.412 χ^2/NDF: 2350951.1/37

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

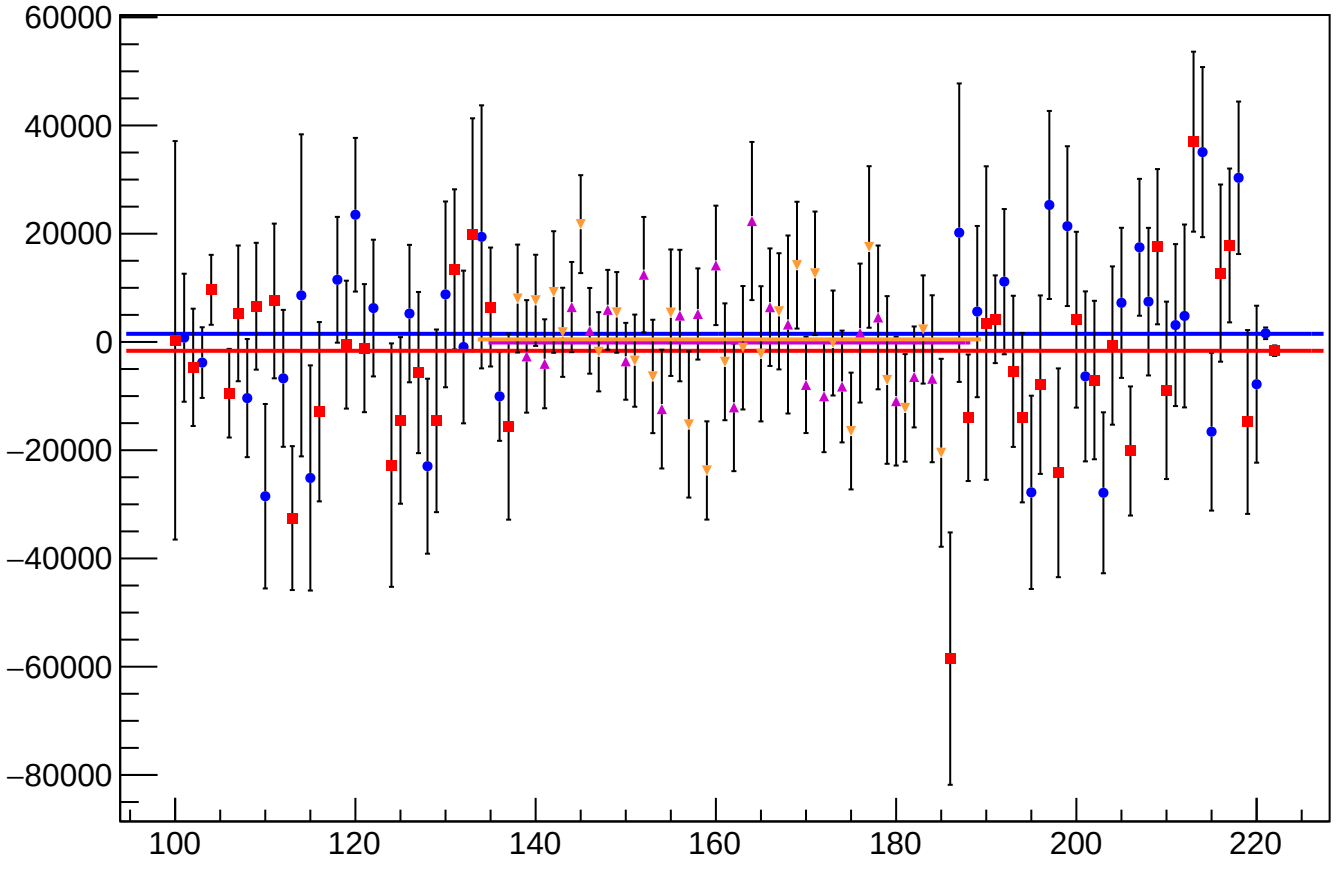
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2668.157+/-0.291 χ^2/NDF: 3159340.0/71

In: 2552.517+/-0.288 χ^2/NDF:1038872.0/56

Out: 2548.639+/-0.285 χ^2/NDF:2584359.3/62

All: 2550.555+/-0.202 χ^2/NDF: 3623323.1/11



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: -1634.809+/-887.656 χ^2/NDF: 39.7/37

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

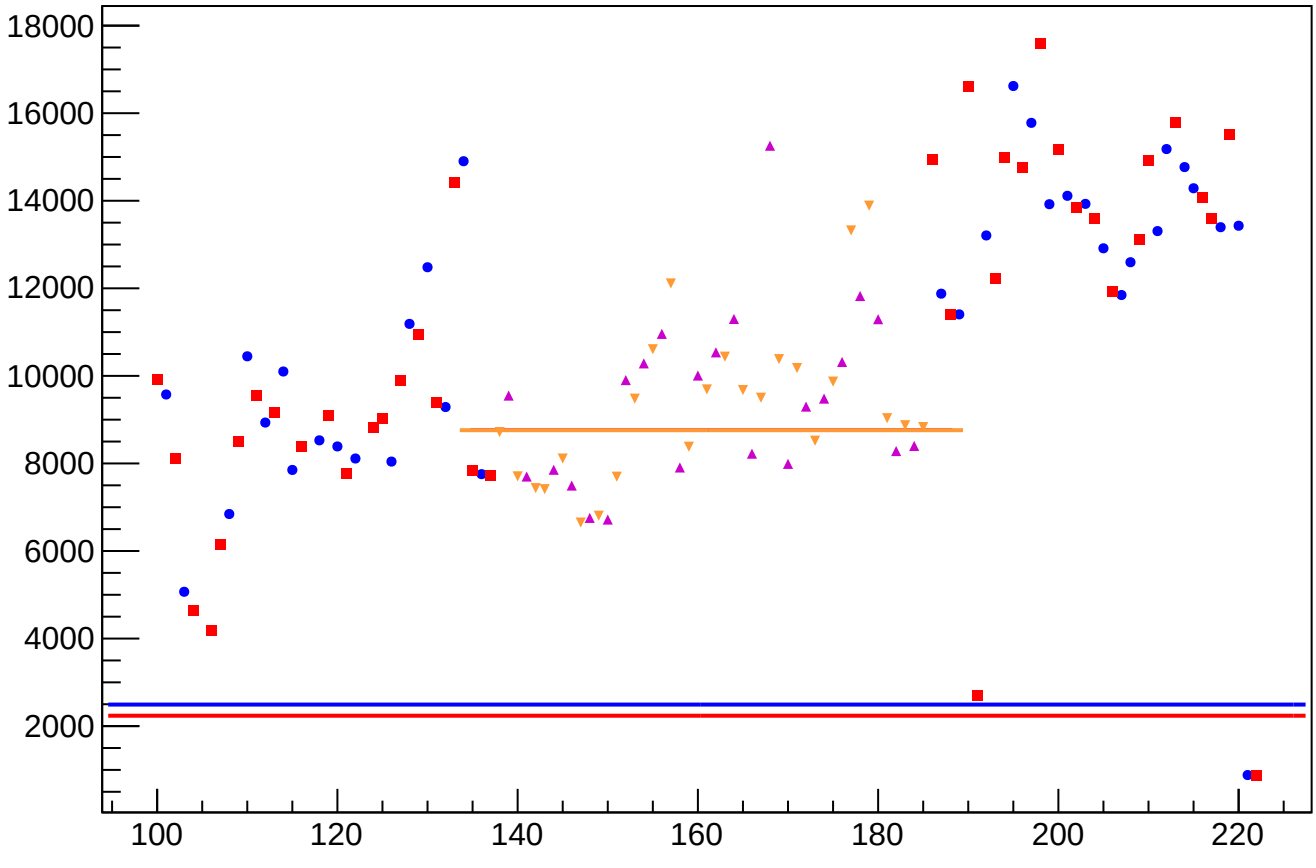
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -214.868+/-656.822 χ^2/NDF: 85.2/71

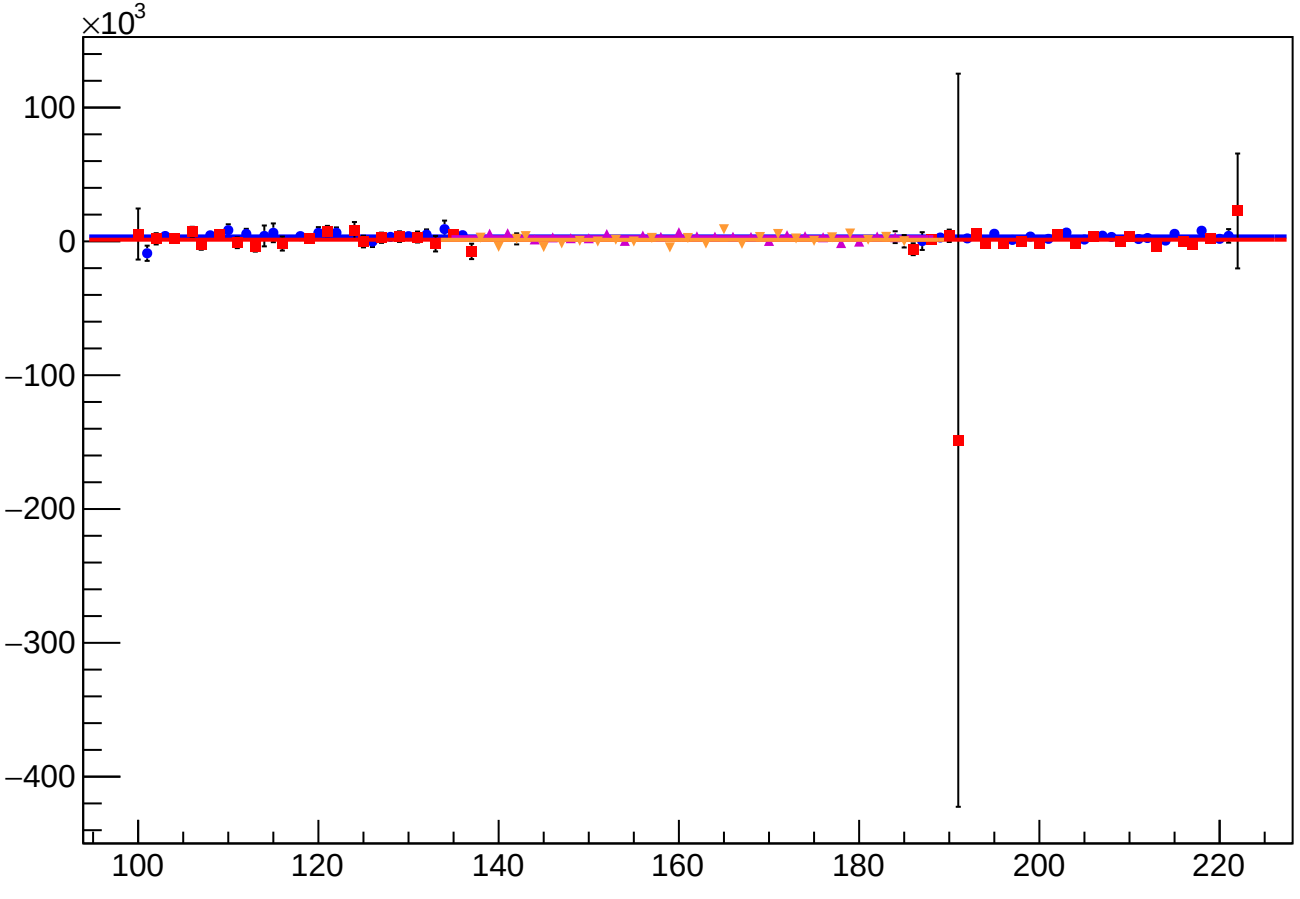
In: 1215.415+/-884.732 χ^2/NDF:54.7/56

Out: -1297.473+/-813.684 χ^2/NDF:68.0/62

All: -145.965+/-598.906 χ^2/NDF: 127.1/119


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2492.371+/-0.690 χ²/NDF: 30196581.7/33
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 2237.731+/-0.628 χ²/NDF: 31100796.1/37
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 2352.949+/-0.464 χ²/NDF: 61371848.9/71
In: 3615.289+/-0.626 χ²/NDF:46261123.9/56
Out: 3279.432+/-0.575 χ²/NDF:49567859.2/62
All: 3433.335+/-0.423 χ²/NDF: 95985125.0/

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: 1256.527+/-583.022 χ^2/NDF: 33.4/37

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

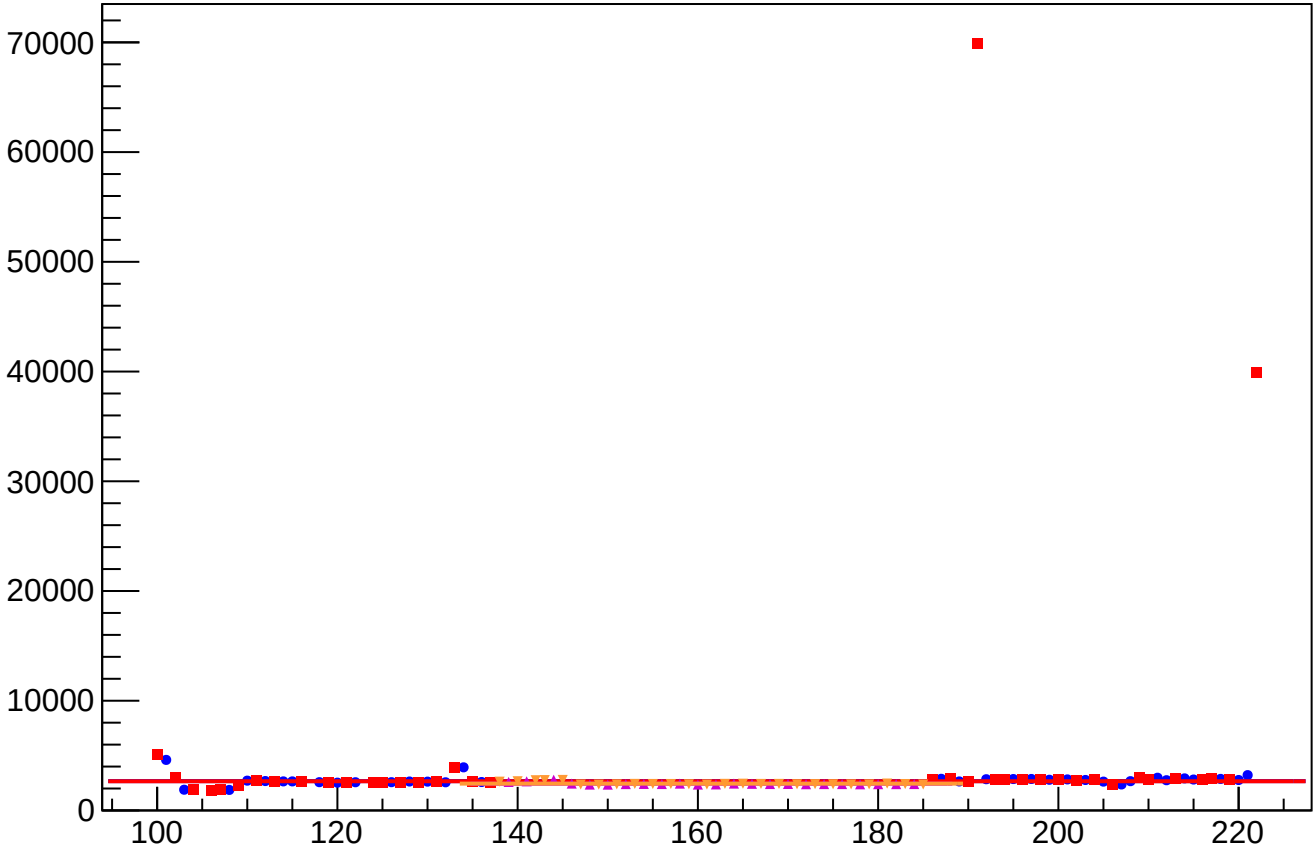
Right: 2485.112+/-412.188 χ^2/NDF: 59.6/71

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1221.002+/-402.457 χ^2/NDF:64.5/62

All: 2309.216+/-286.250 χ^2/NDF: 109.8/119

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: 2661.600+/-0.412 χ^2/NDF: 2350870.7/37

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

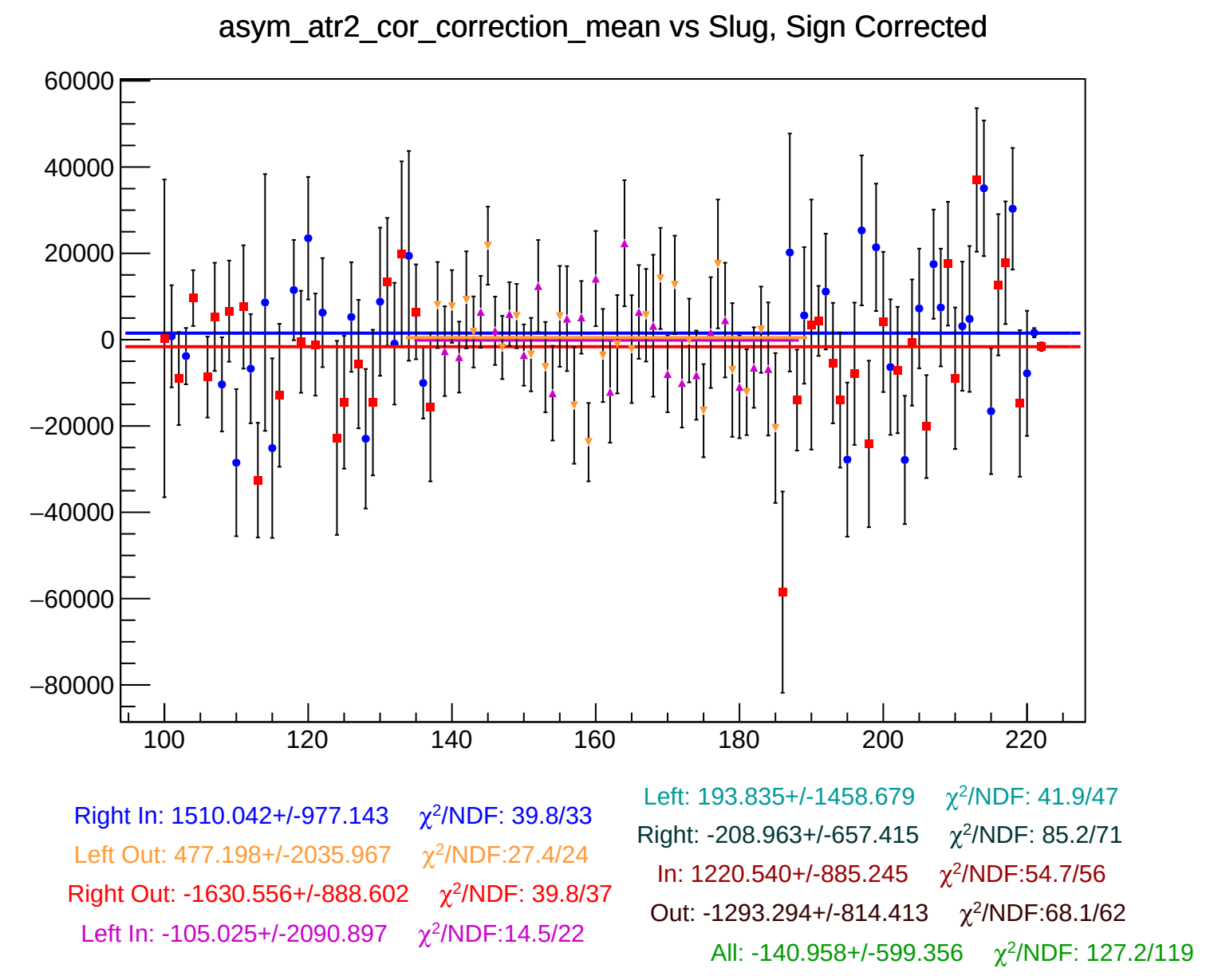
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

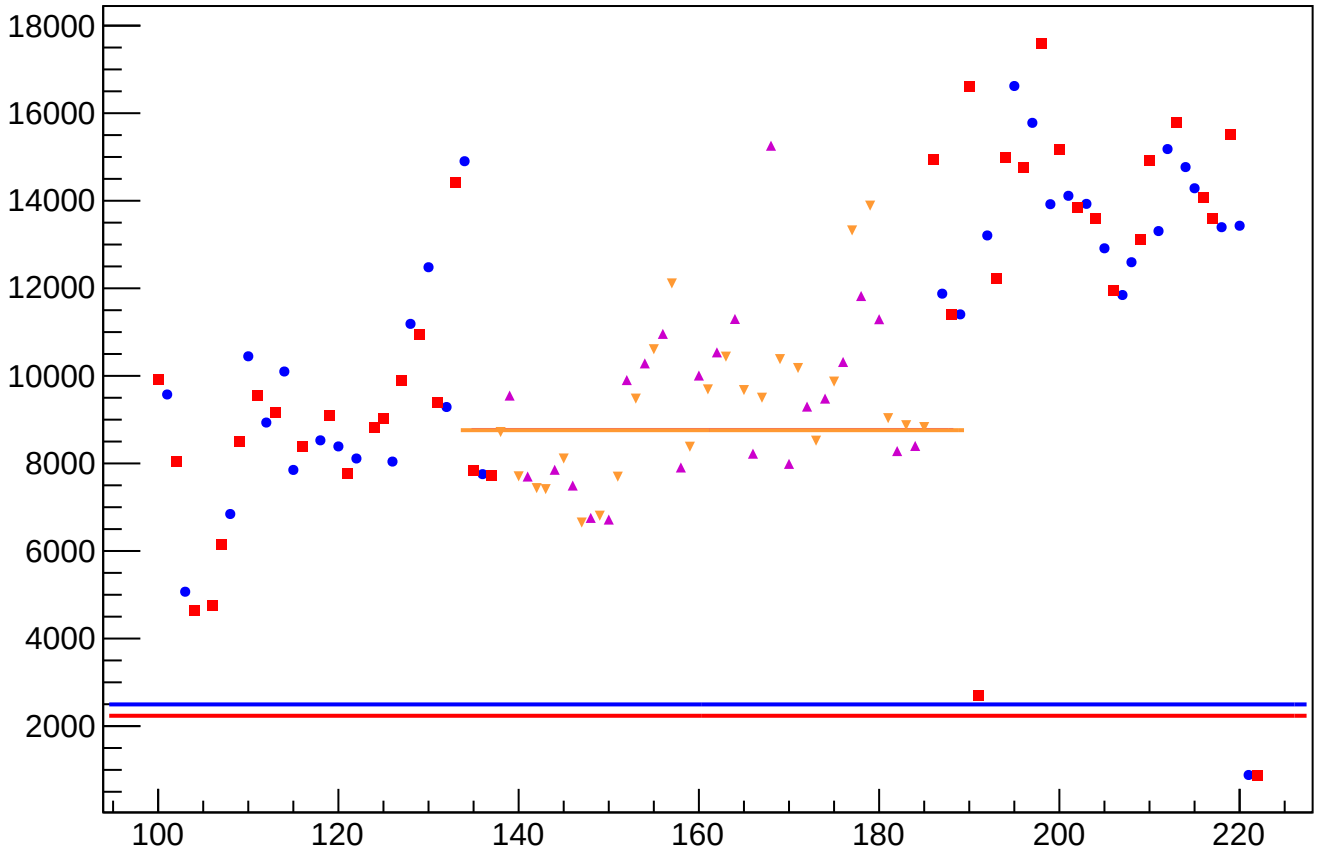
Right: 2668.163+/-0.291 χ^2/NDF: 3159255.9/71

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2548.644+/-0.285 χ^2/NDF:2584293.2/62

All: 2550.558+/-0.202 χ^2/NDF: 3623254.3/11


asym_atr2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 1510.042+/-977.143 χ²/NDF: 39.8/33
Left Out: 477.198+/-2035.967 χ²/NDF:27.4/24
Right Out: -1630.556+/-888.602 χ²/NDF: 39.8/37
Left In: -105.025+/-2090.897 χ²/NDF:14.5/22
Left: 193.835+/-1458.679 χ²/NDF: 41.9/47
Right: -208.963+/-657.415 χ²/NDF: 85.2/71
In: 1220.540+/-885.245 χ²/NDF:54.7/56
Out: -1293.294+/-814.413 χ²/NDF:68.1/62
All: -140.958+/-599.356 χ²/NDF: 127.2/119



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: 2236.071+/-0.628 χ^2/NDF: 31127725.3/37

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

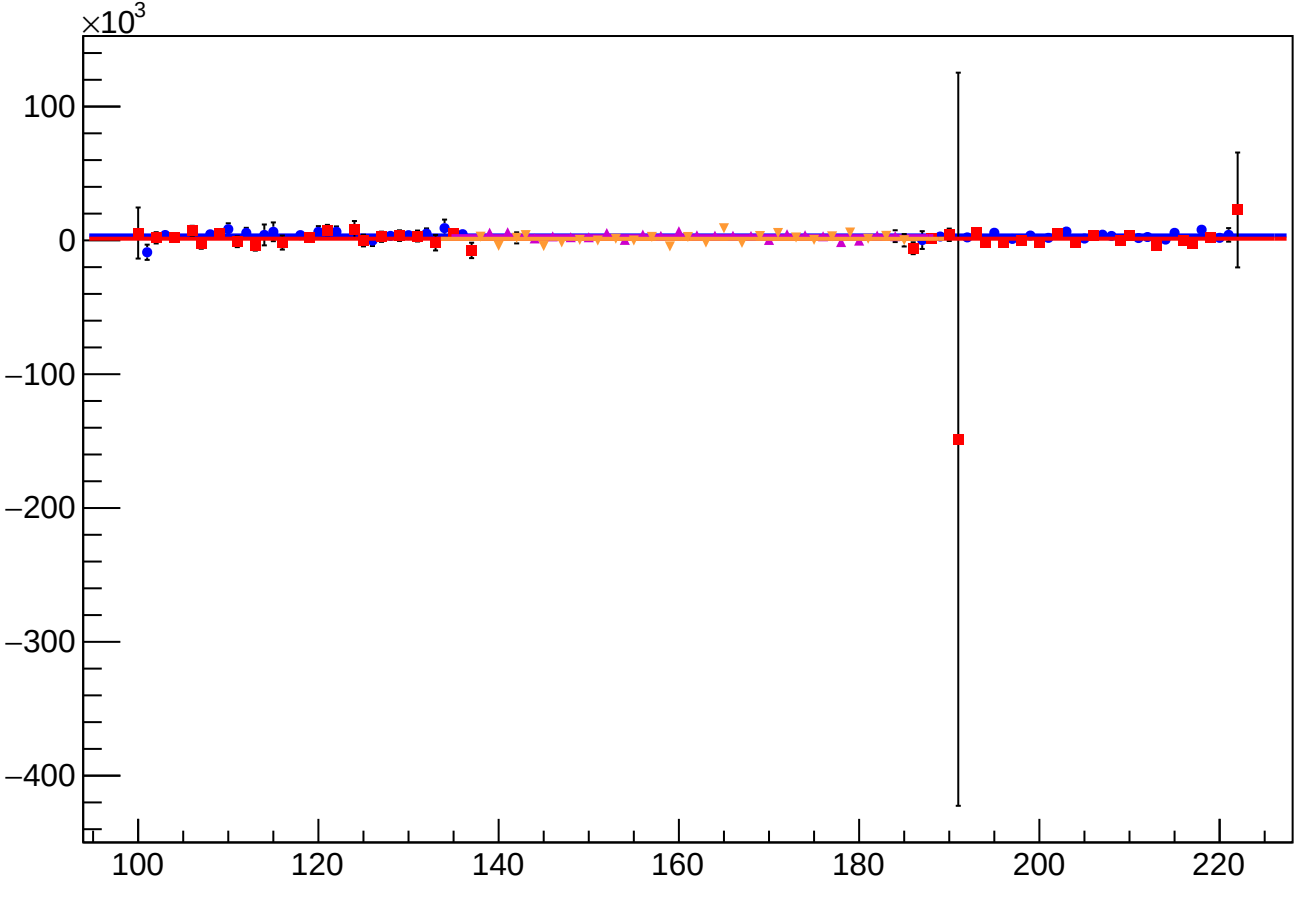
Right: 2353.490+/-0.465 χ^2/NDF: 61388239.0/71

In: 3619.138+/-0.626 χ^2/NDF:46229546.3/56

Out: 3279.905+/-0.576 χ^2/NDF:49597678.5/62

All: 3435.409+/-0.424 χ^2/NDF: 95986291.6/1

eigen_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: 1256.527+/-583.022 χ^2/NDF: 33.4/37

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

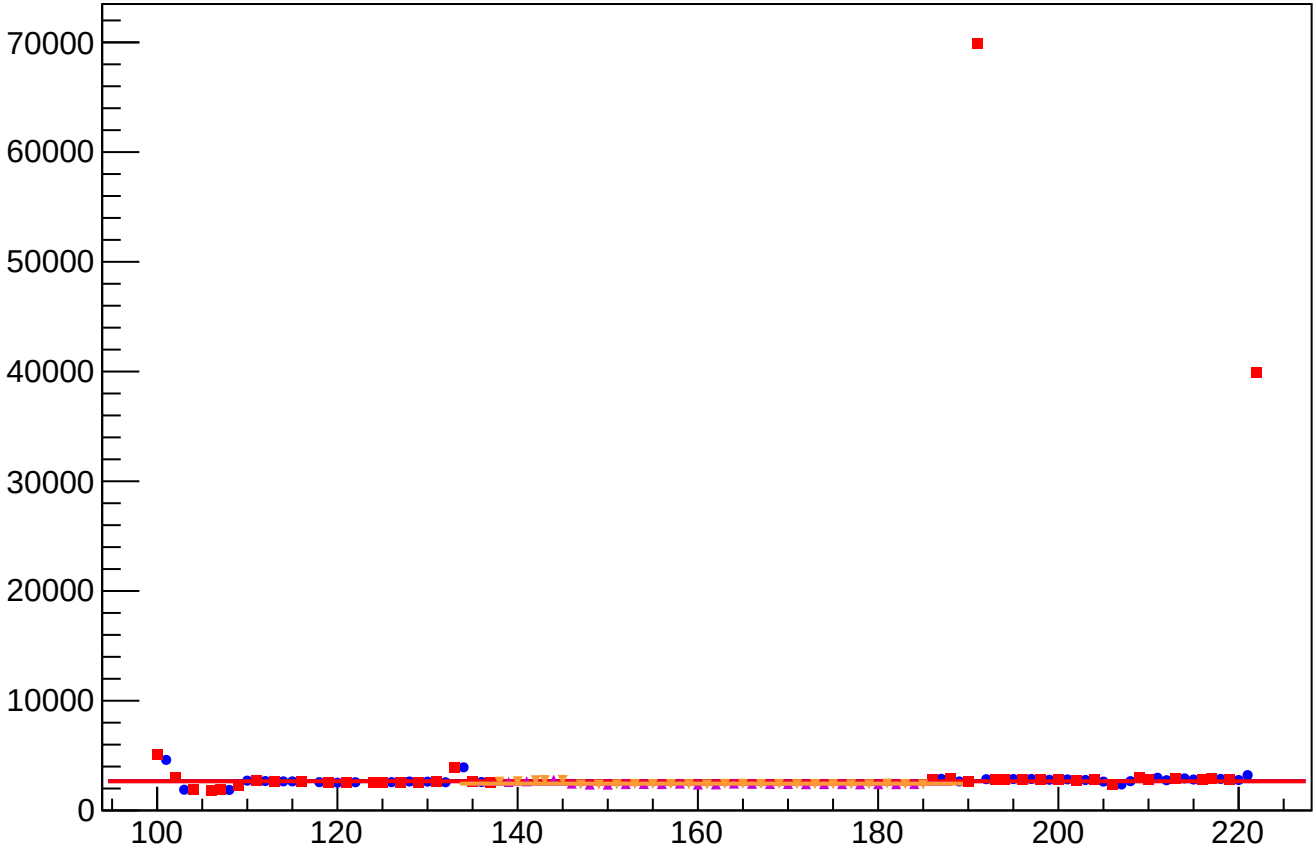
Right: 2485.112+/-412.188 χ^2/NDF: 59.6/71

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1221.002+/-402.457 χ^2/NDF:64.5/62

All: 2309.216+/-286.250 χ^2/NDF: 109.8/119

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: 2661.600+/-0.412 χ^2/NDF: 2350870.7/37

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

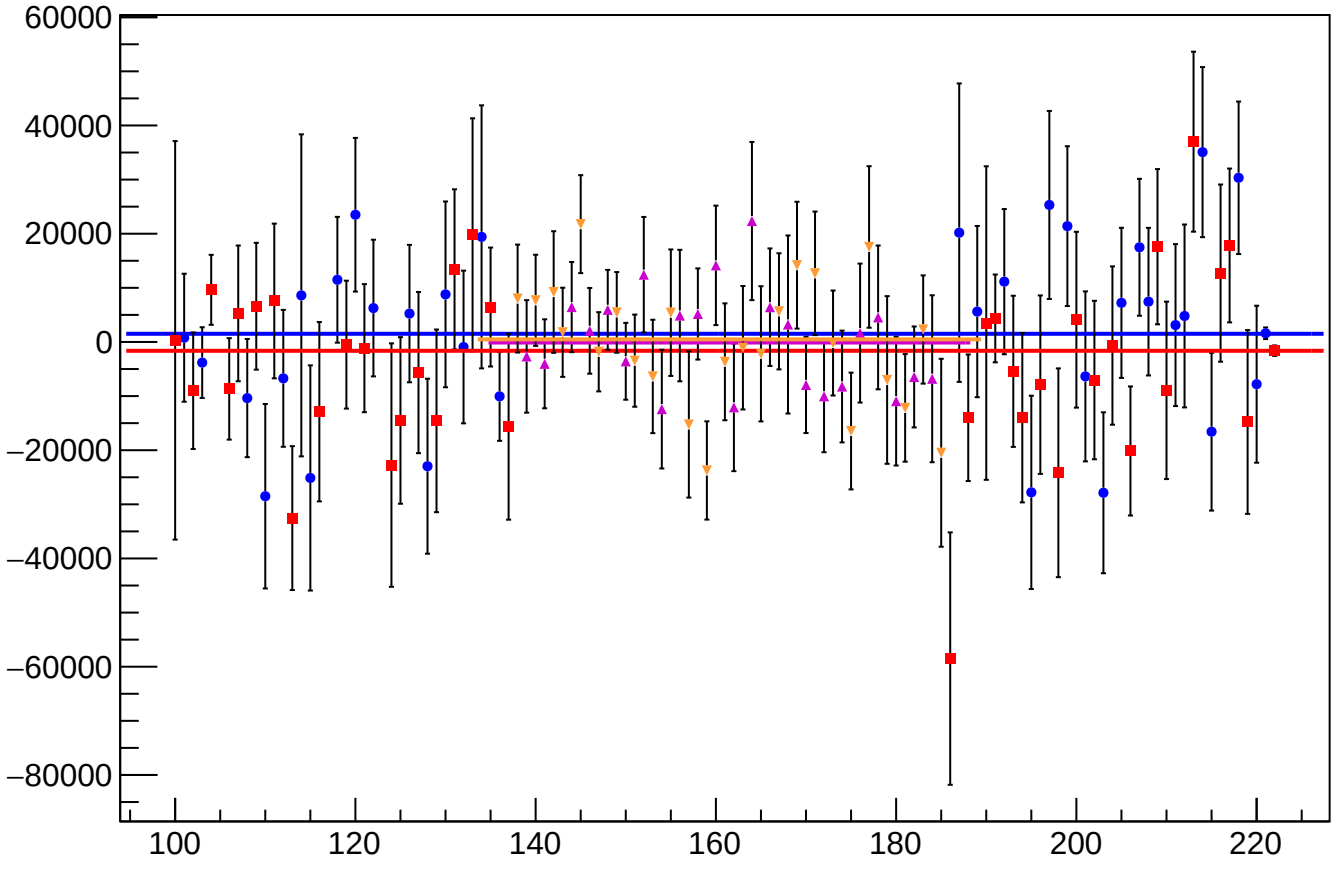
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2668.163+/-0.291 χ^2/NDF: 3159255.9/71

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2548.644+/-0.285 χ^2/NDF:2584293.2/62

All: 2550.558+/-0.202 χ^2/NDF: 3623254.3/11



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: -1630.556+/-888.602 χ^2/NDF: 39.8/37

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

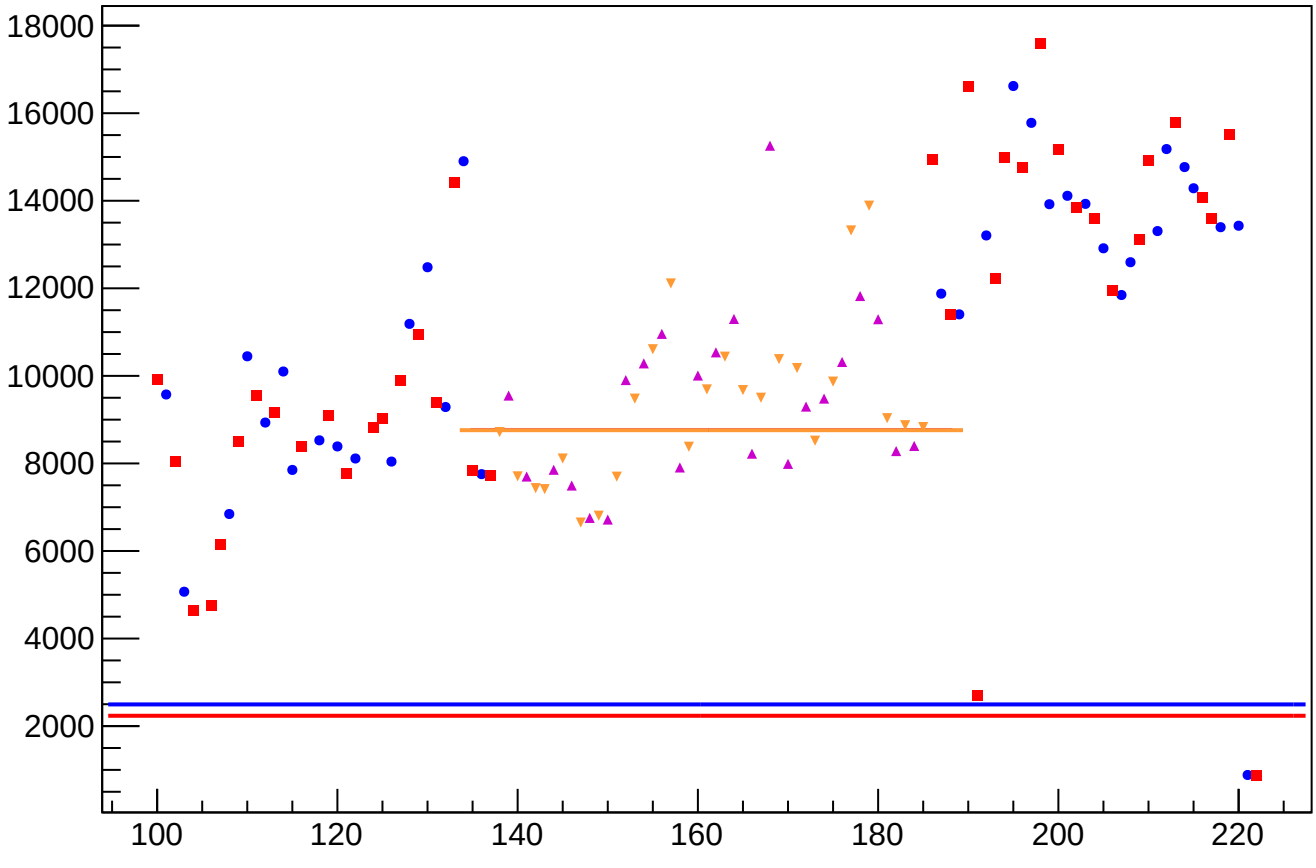
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -208.963+/-657.415 χ^2/NDF: 85.2/71

In: 1220.540+/-885.245 χ^2/NDF:54.7/56

Out: -1293.294+/-814.413 χ^2/NDF:68.1/62

All: -140.958+/-599.356 χ^2/NDF: 127.2/119



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: 2236.071+/-0.628 χ^2/NDF: 31127725.3/37

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

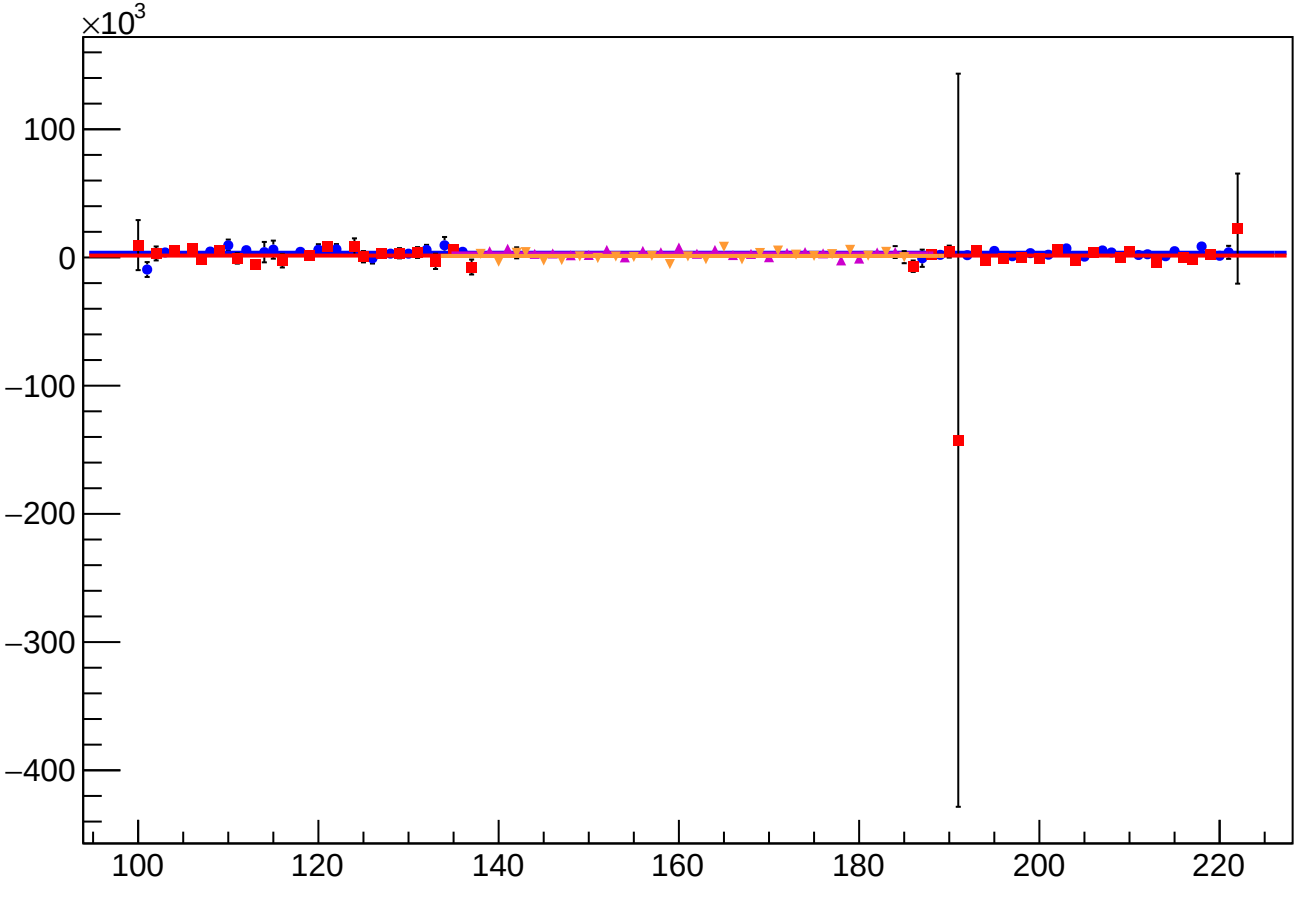
Right: 2353.490+/-0.465 χ^2/NDF: 61388239.0/71

In: 3619.138+/-0.626 χ^2/NDF:46229546.3/56

Out: 3279.905+/-0.576 χ^2/NDF:49597678.5/62

All: 3435.409+/-0.424 χ^2/NDF: 95986291.6/1

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3695.953+/-597.142 χ^2/NDF: 20.0/33

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1482.943+/-599.547 χ^2/NDF: 37.5/37

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

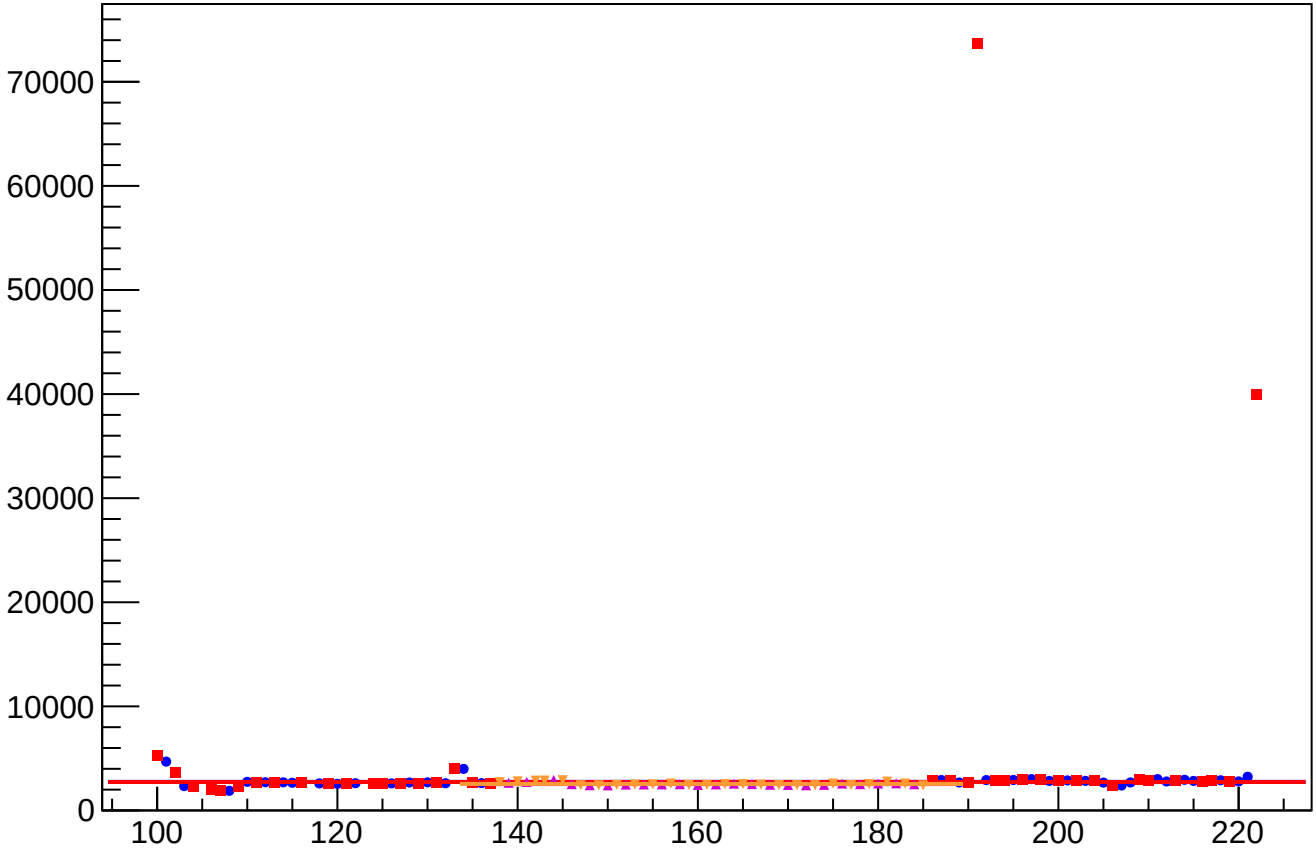
Right: 2593.894+/-423.091 χ^2/NDF: 64.3/71

In: 3420.803+/-420.455 χ^2/NDF:36.8/56

Out: 1343.880+/-416.747 χ^2/NDF:64.4/62

All: 2373.143+/-295.987 χ^2/NDF: 113.6/119

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: 2737.200+/-0.424 χ^2/NDF: 2226210.2/37

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

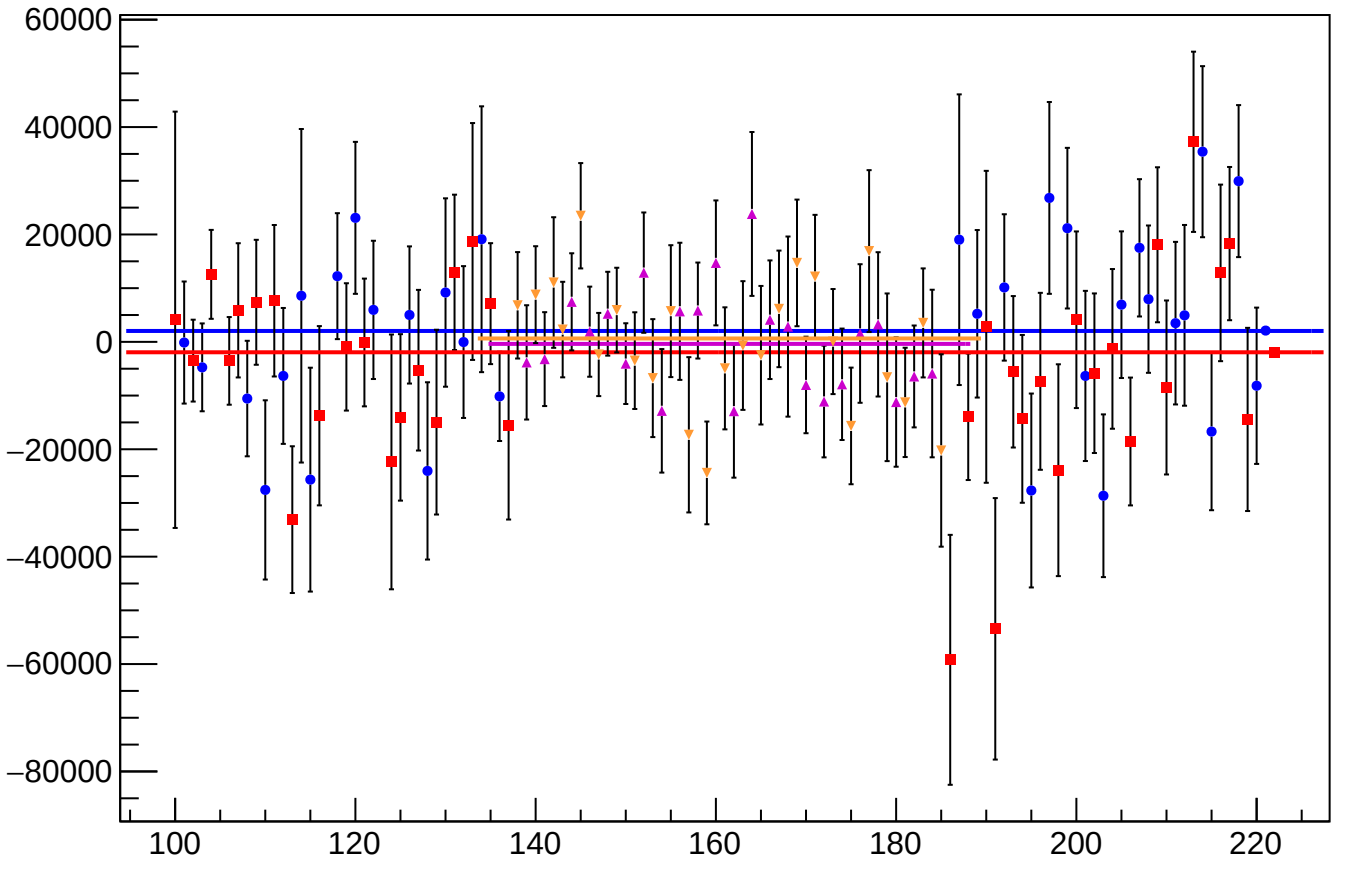
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2741.365+/-0.299 χ^2/NDF: 2866060.7/71

In: 2638.236+/-0.297 χ^2/NDF:836079.7/56

Out: 2639.000+/-0.295 χ^2/NDF:2447392.7/62

All: 2638.621+/-0.209 χ^2/NDF: 3283475.8/11



Right In: 2031.166+/-640.374 χ^2/NDF: 39.6/33

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -1939.475+/-619.695 χ^2/NDF: 42.3/37

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

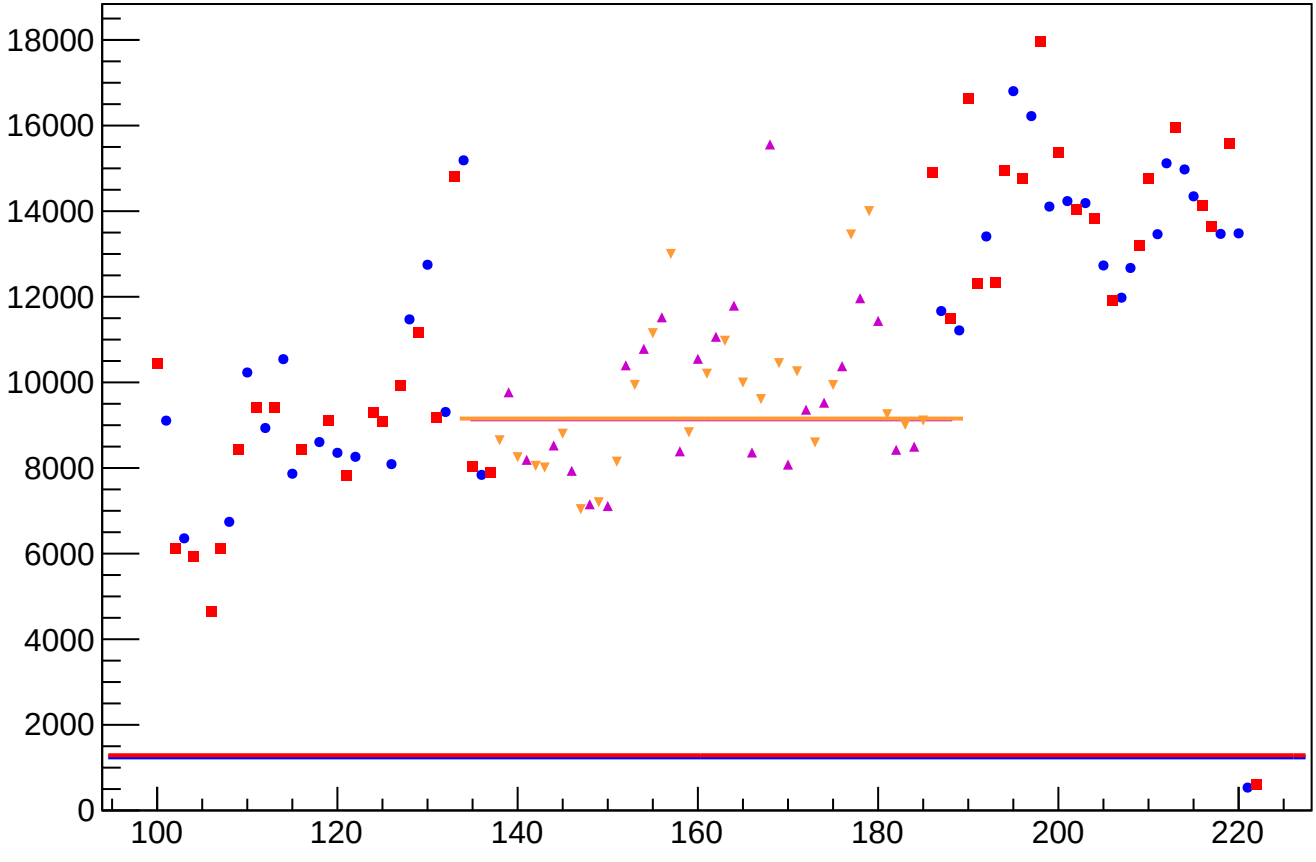
Right: -19.299+/-445.322 χ^2/NDF: 101.7/71

In: 1839.209+/-614.332 χ^2/NDF:55.0/56

Out: -1737.647+/-594.873 χ^2/NDF:70.3/62

All: -6.764+/-427.353 χ^2/NDF: 142.7/119

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 1240.427+/-0.453 χ^2/NDF: 35634144.2/33

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 1289.600+/-0.438 χ^2/NDF: 35870832.6/37

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

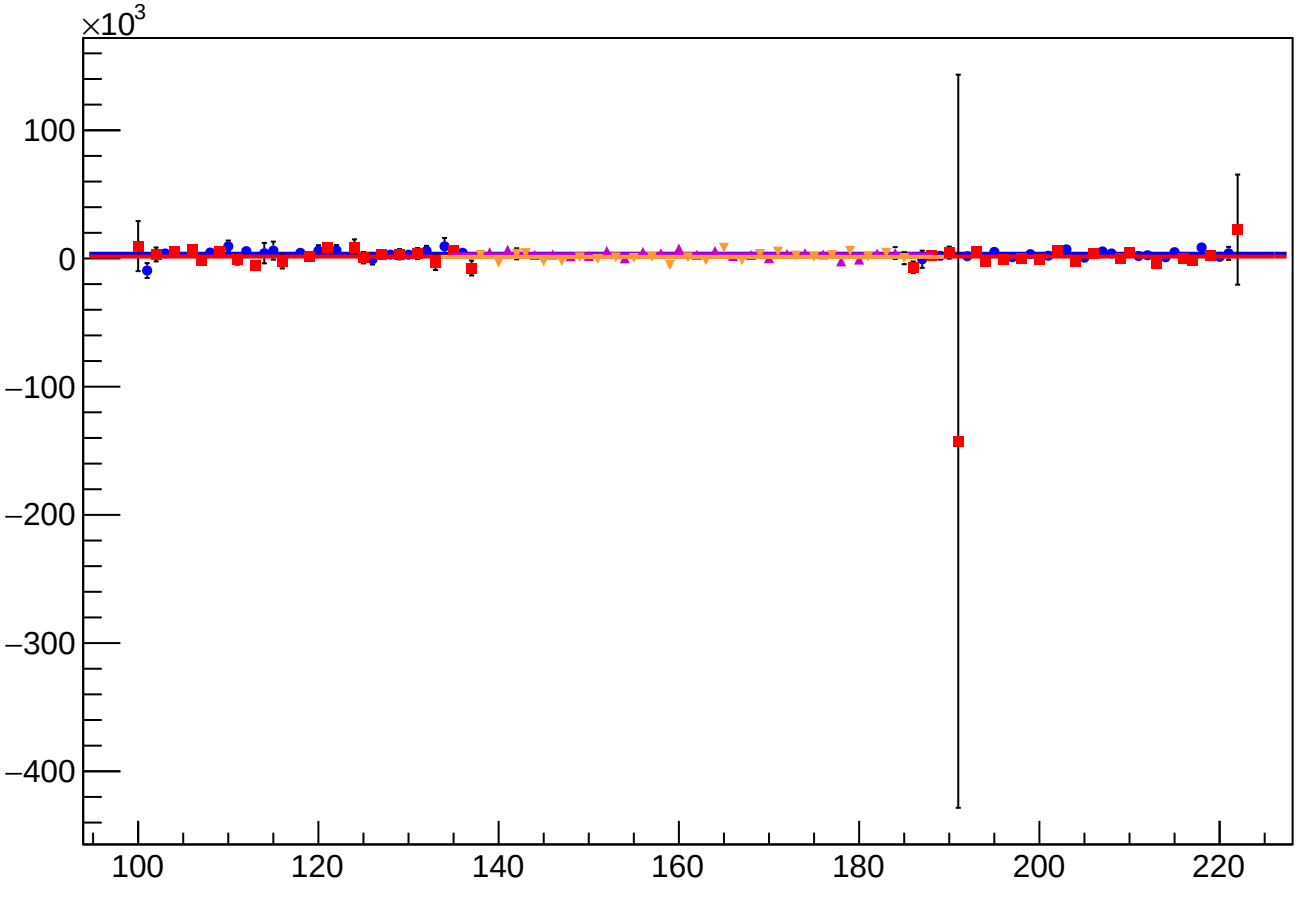
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 1265.820+/-0.315 χ^2/NDF: 71511066.8/71

In: 1869.673+/-0.434 χ^2/NDF:61042513.7/56

Out: 1907.063+/-0.421 χ^2/NDF:62235187.8/62

All: 1888.970+/-0.302 χ^2/NDF: 123281525.1



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: 1482.946+/-599.547 χ^2/NDF: 37.5/37

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

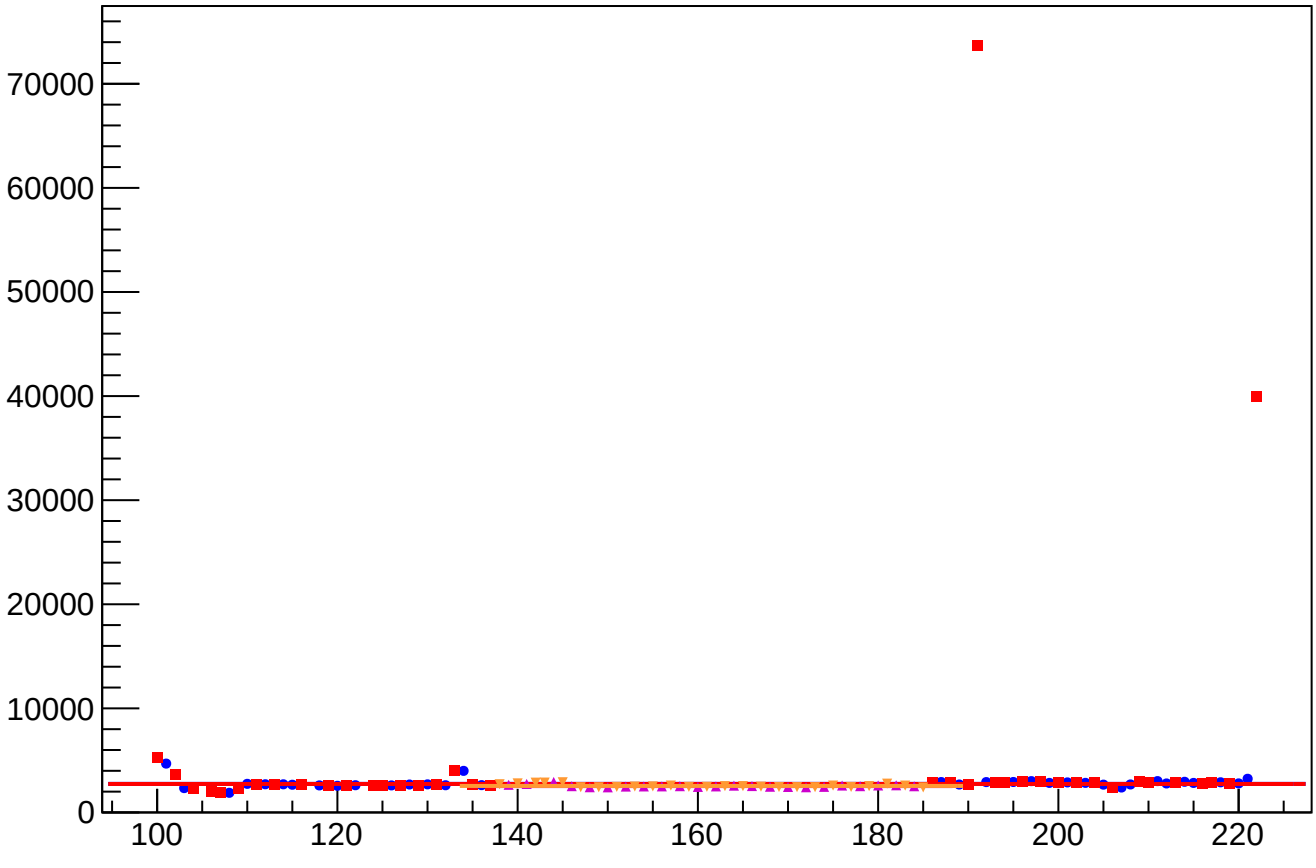
Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

Right: 2593.891+/-423.091 χ^2/NDF: 64.3/71

In: 3420.797+/-420.455 χ^2/NDF:36.8/56

Out: 1343.876+/-416.747 χ^2/NDF:64.4/62

All: 2373.138+/-295.987 χ^2/NDF: 113.6/119



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: 2737.200+/-0.424 χ^2/NDF: 2226210.1/37

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

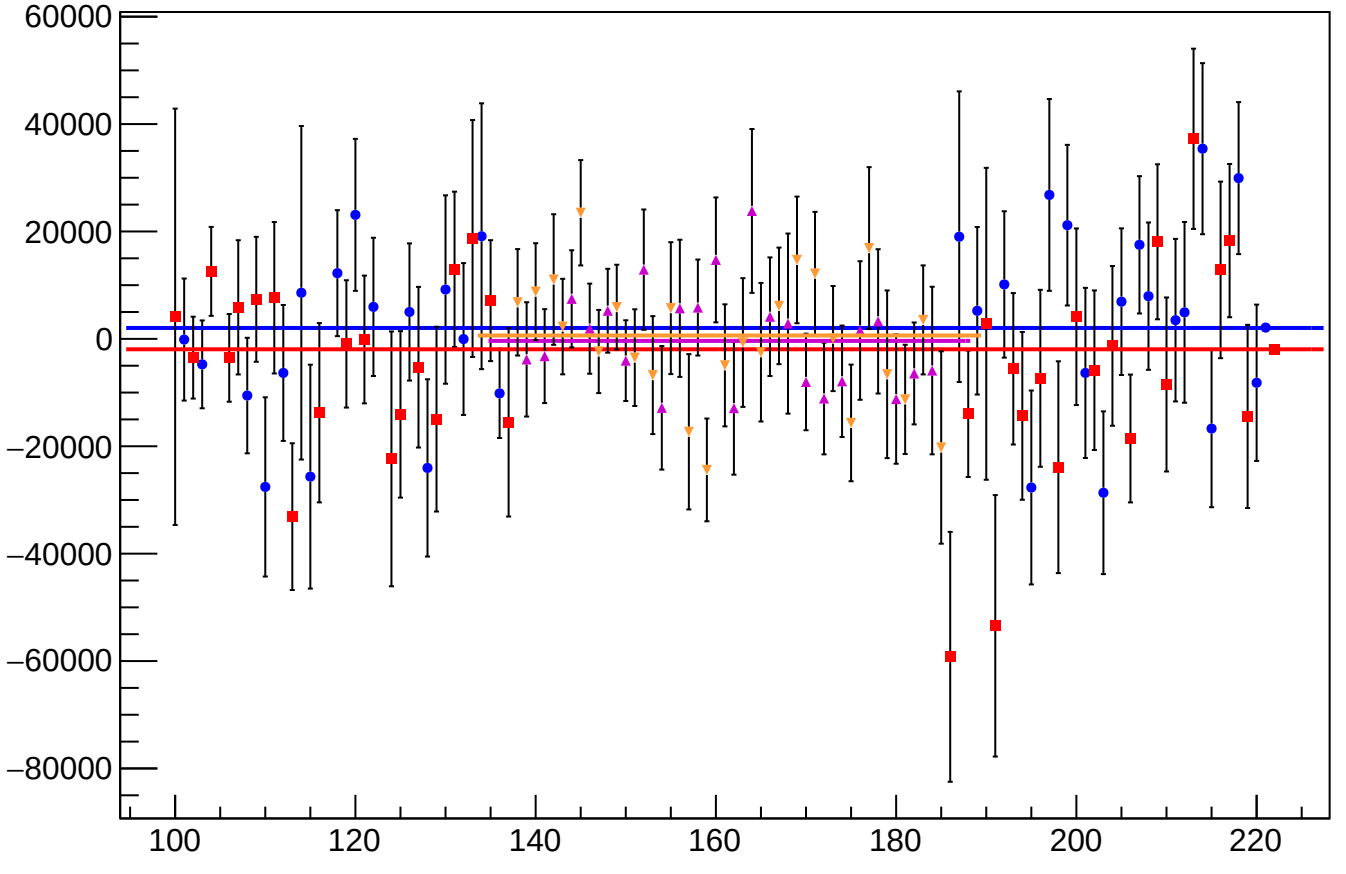
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2741.365+/-0.299 χ^2/NDF: 2866061.5/71

In: 2638.237+/-0.297 χ^2/NDF:836077.7/56

Out: 2639.001+/-0.295 χ^2/NDF:2447390.8/62

All: 2638.622+/-0.209 χ^2/NDF: 3283471.8/11



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: -1939.468+/-619.694 χ^2/NDF: 42.3/37

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

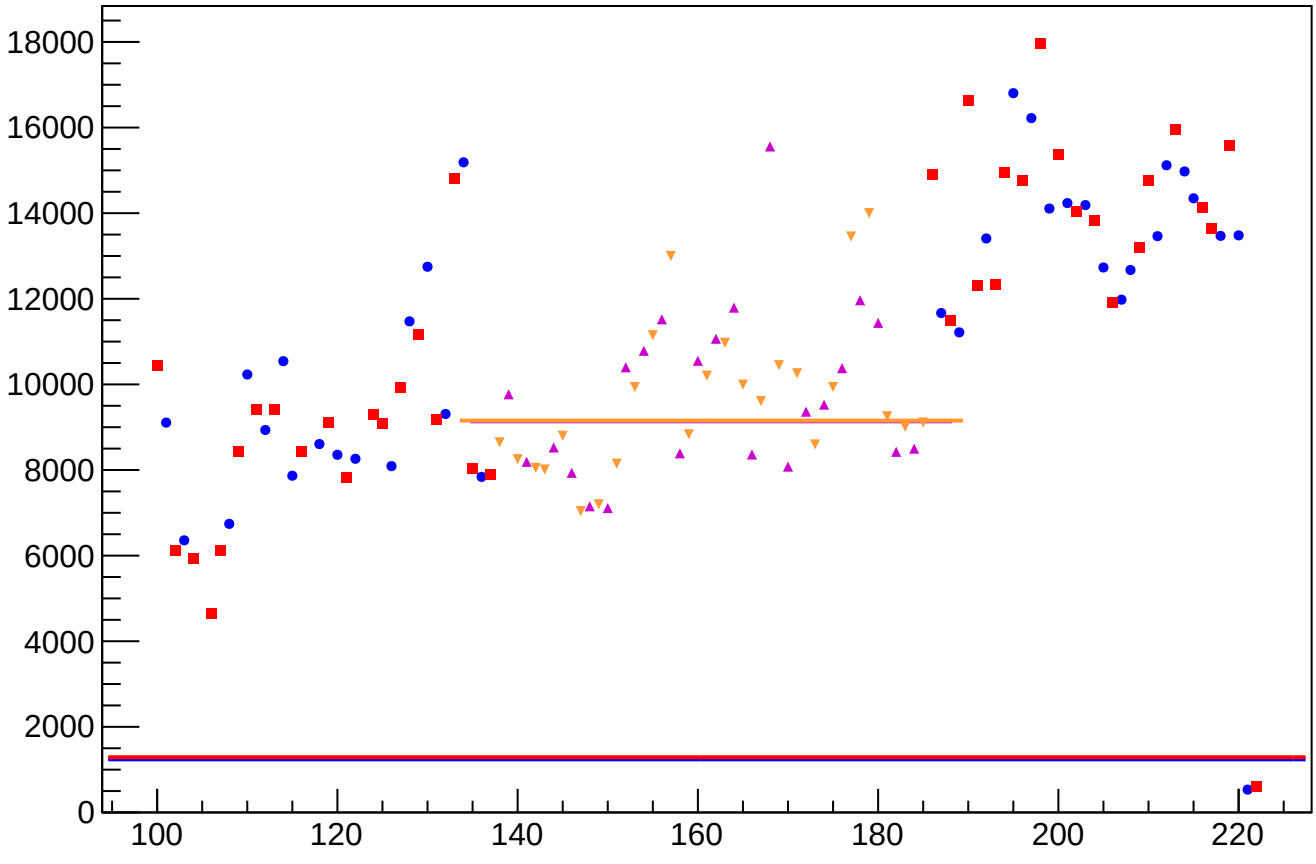
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -19.295+/-445.321 χ^2/NDF: 101.7/71

In: 1839.204+/-614.330 χ^2/NDF:55.0/56

Out: -1737.642+/-594.872 χ^2/NDF:70.3/62

All: -6.761+/-427.352 χ^2/NDF: 142.7/119



Right In: 1240.420+/-0.453 χ^2/NDF: 35634174.5/33

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 1289.598+/-0.438 χ^2/NDF: 35870844.3/37

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

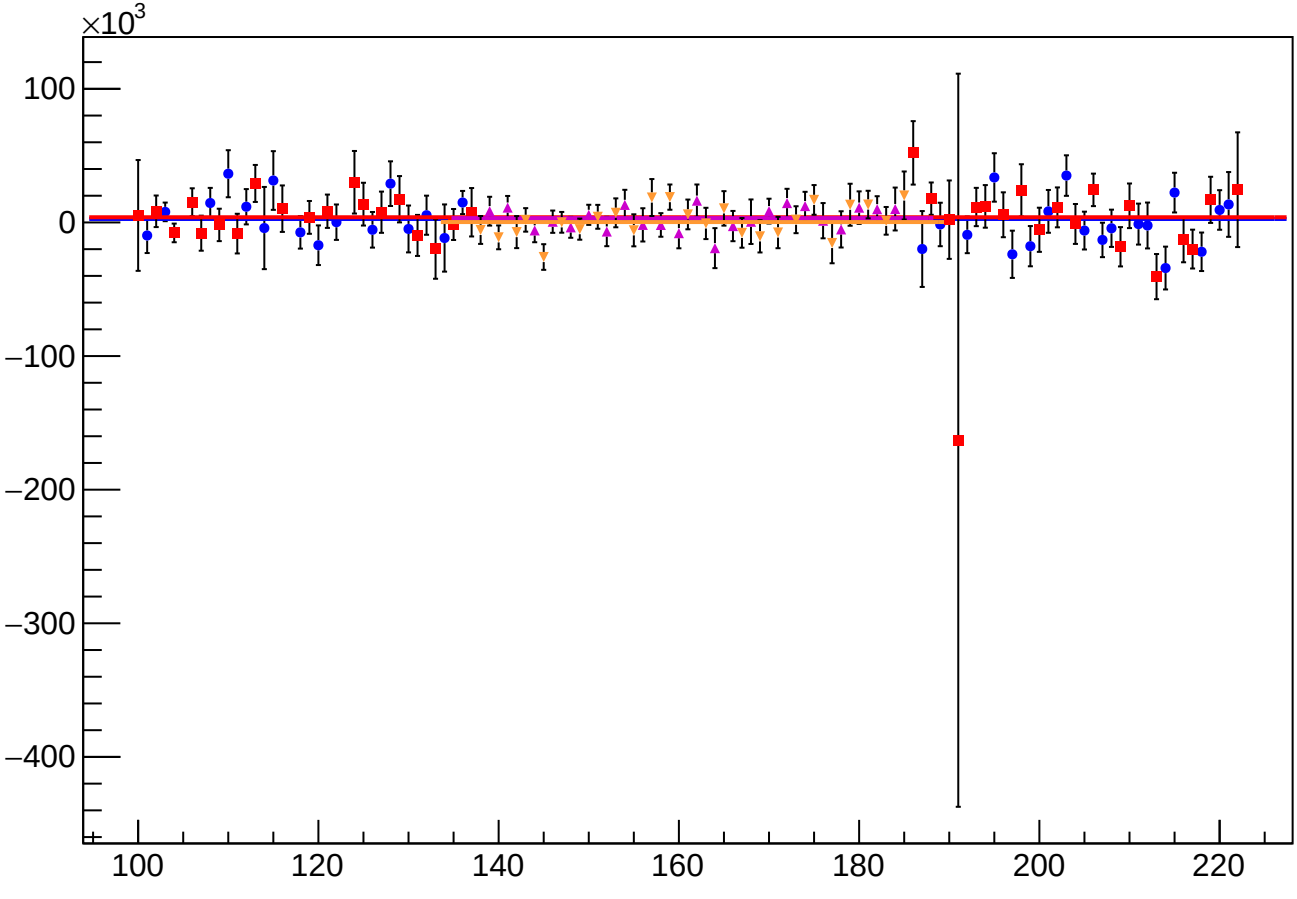
Right: 1265.815+/-0.315 χ^2/NDF: 71511109.9/71

In: 1869.662+/-0.434 χ^2/NDF:61042618.4/56

Out: 1907.058+/-0.421 χ^2/NDF:62235244.2/62

All: 1888.962+/-0.302 χ^2/NDF: 123281687.4

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: 3885.937+/-2395.432 χ^2/NDF: 38.8/37

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

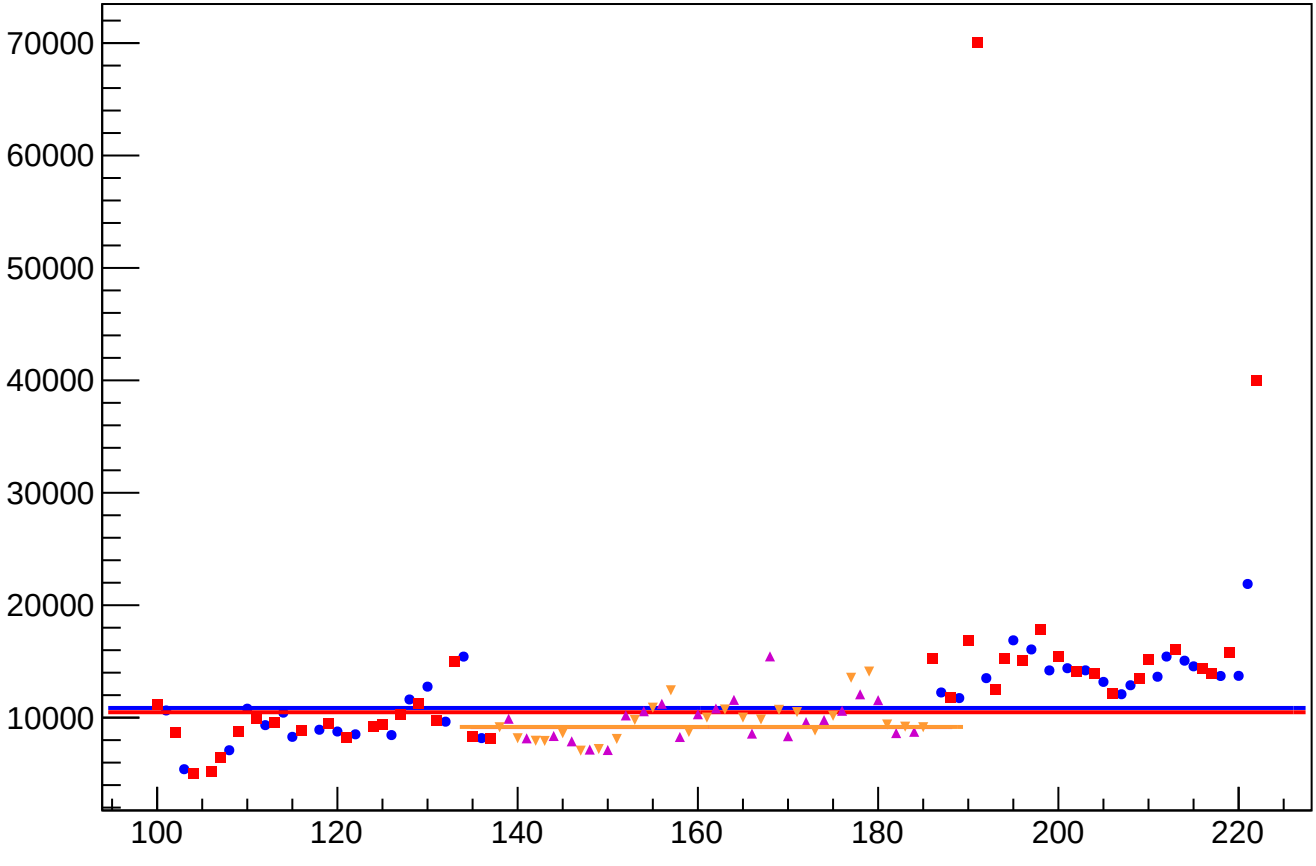
Right: 3259.000+/-1709.792 χ^2/NDF: 81.1/71

In: 2956.048+/-1625.973 χ^2/NDF:55.7/56

Out: 1876.749+/-1589.812 χ^2/NDF:66.4/62

All: 2404.264+/-1136.736 χ^2/NDF: 122.4/119

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10861.538+/-1.726 χ^2/NDF: 3936047.5/33

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10480.218+/-1.694 χ^2/NDF: 5570090.4/37

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

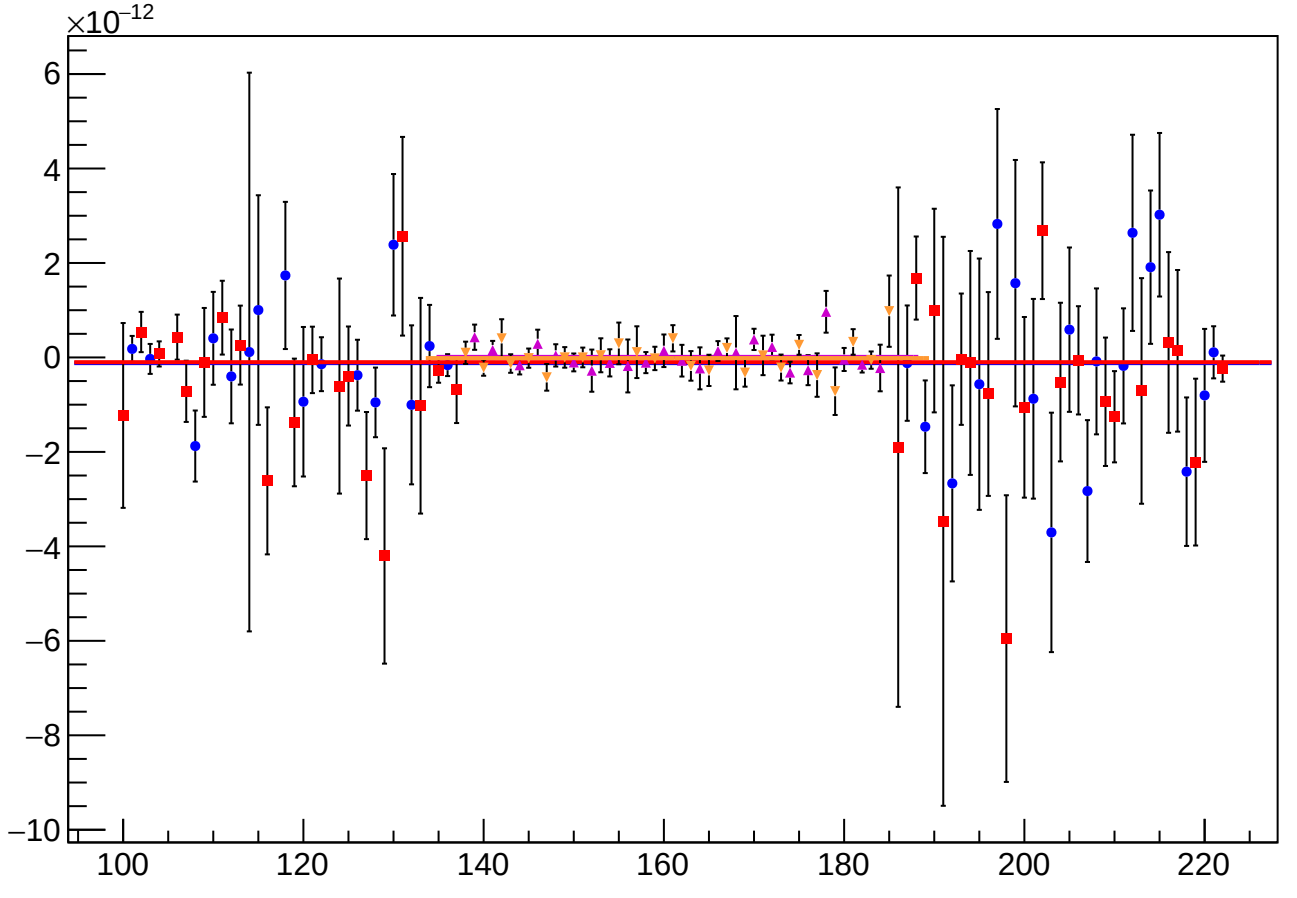
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10667.260+/-1.209 χ^2/NDF: 9530999.1/71

In: 9916.093+/-1.150 χ^2/NDF:5602725.5/56

Out: 9748.726+/-1.124 χ^2/NDF:6960393.3/62

All: 9830.527+/-0.804 χ^2/NDF: 12573952.6/1



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: 35.9/37

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

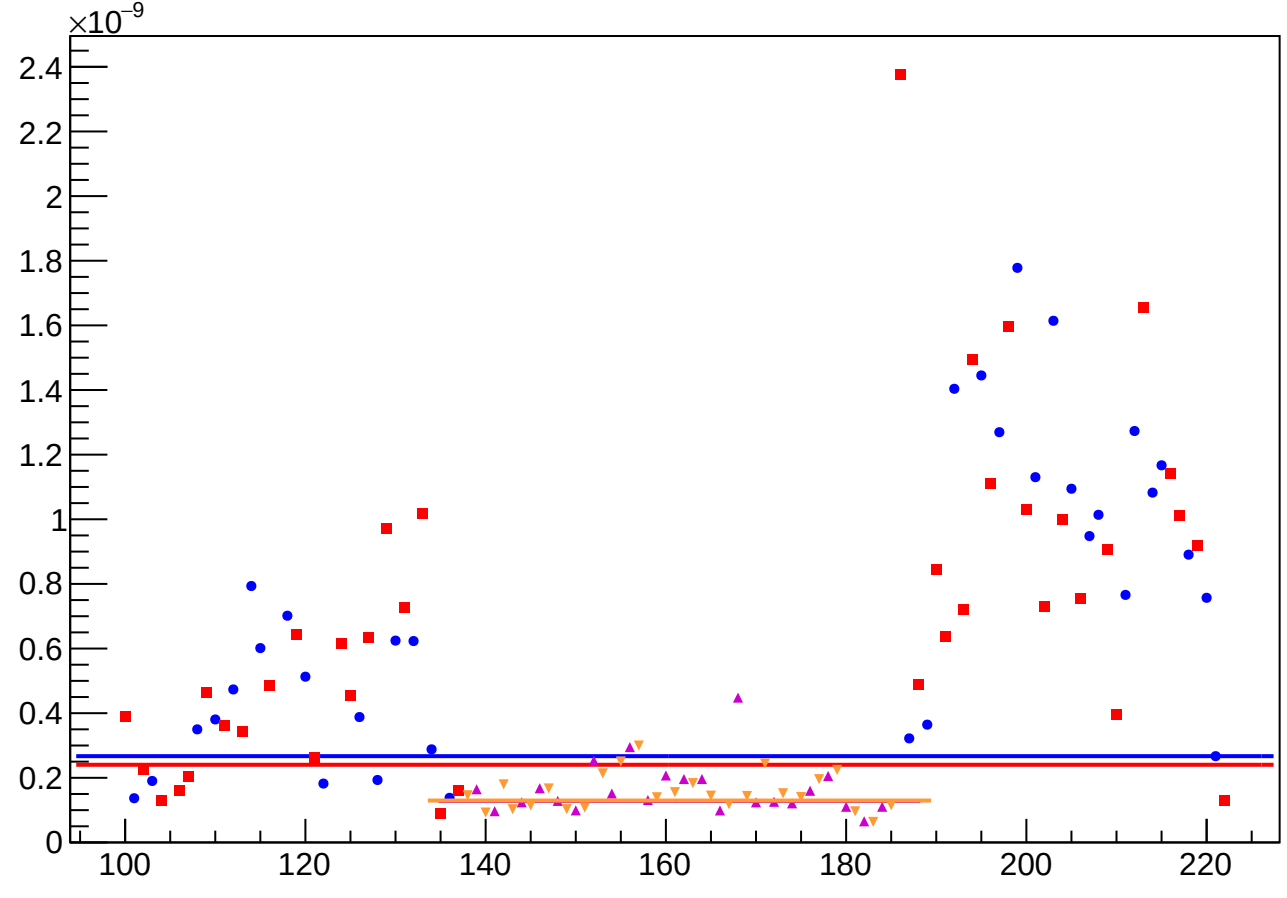
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 69.6/71

In: -0.000+/-0.000 χ^2/NDF:53.8/56

Out: -0.000+/-0.000 χ^2/NDF:55.7/62

All: -0.000+/-0.000 χ^2/NDF: 109.6/119



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: 8539070.6/37

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

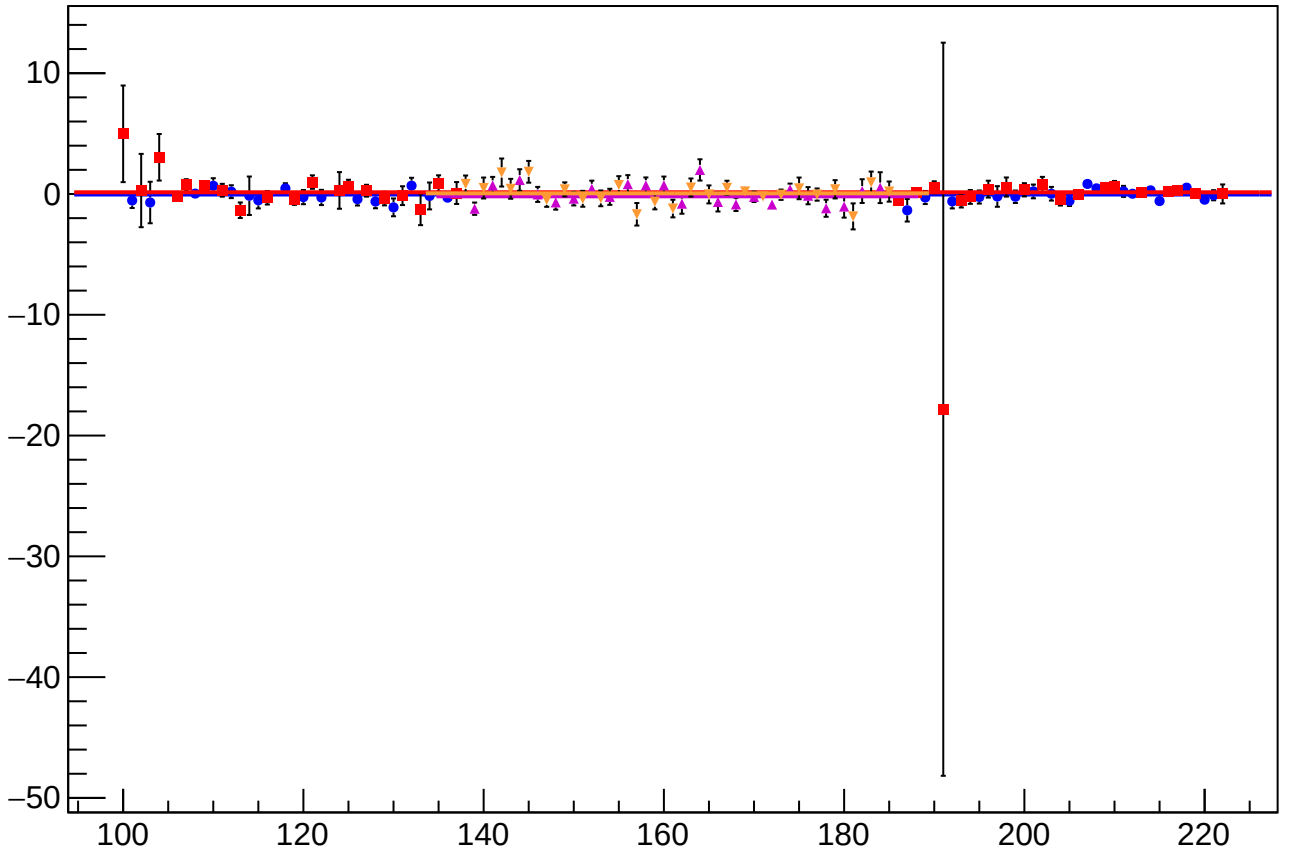
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17150497.1/71

In: 0.000+/-0.000 χ^2/NDF:12182926.8/56

Out: 0.000+/-0.000 χ^2/NDF:11396543.0/62

All: 0.000+/-0.000 χ^2/NDF: 23582526.8/119



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: 0.141+/-0.077 χ^2/NDF: 37.5/37

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

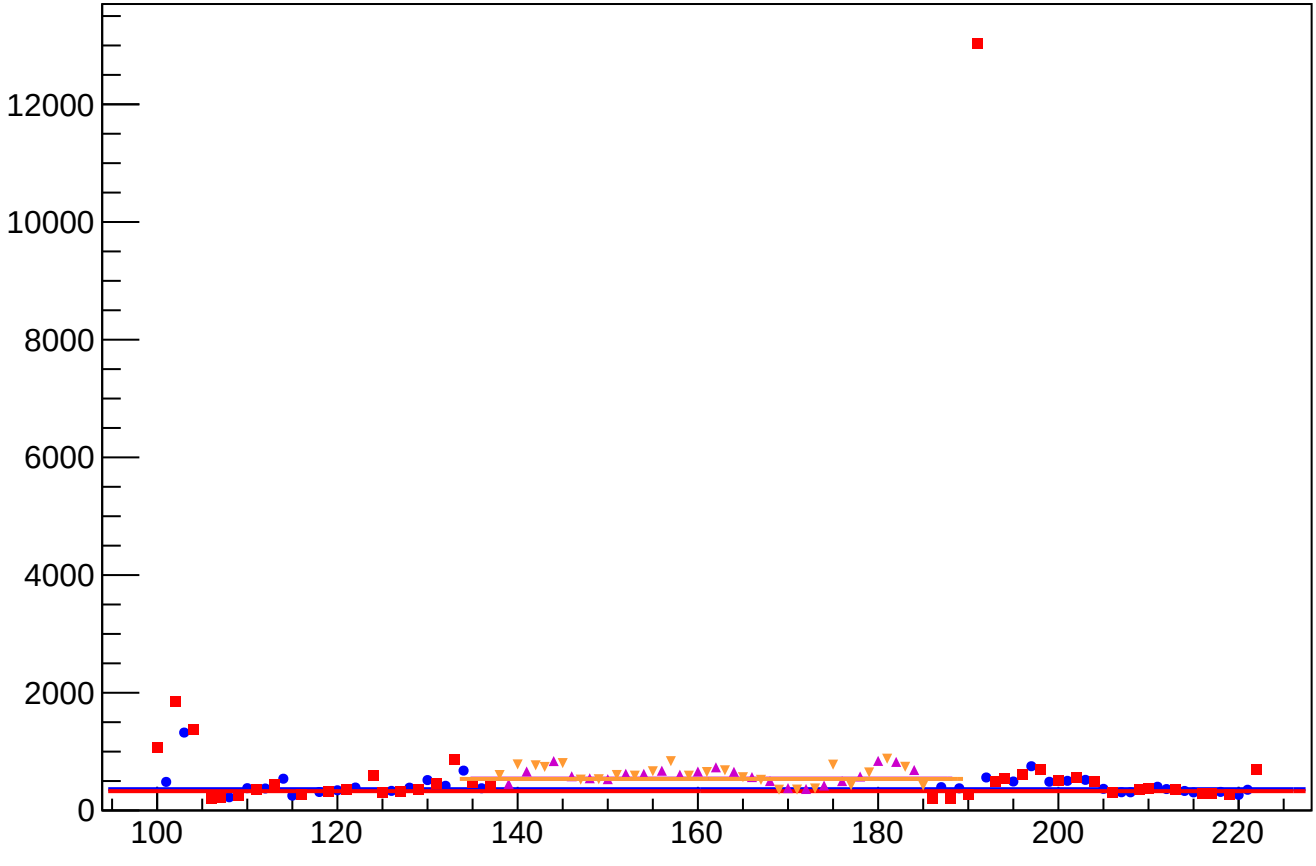
Right: 0.055+/-0.056 χ^2/NDF: 73.5/71

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.118+/-0.066 χ^2/NDF:62.5/62

All: 0.022+/-0.048 χ^2/NDF: 132.3/119

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 327.784+/-0.055 χ^2/NDF: 6111979.8/37

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

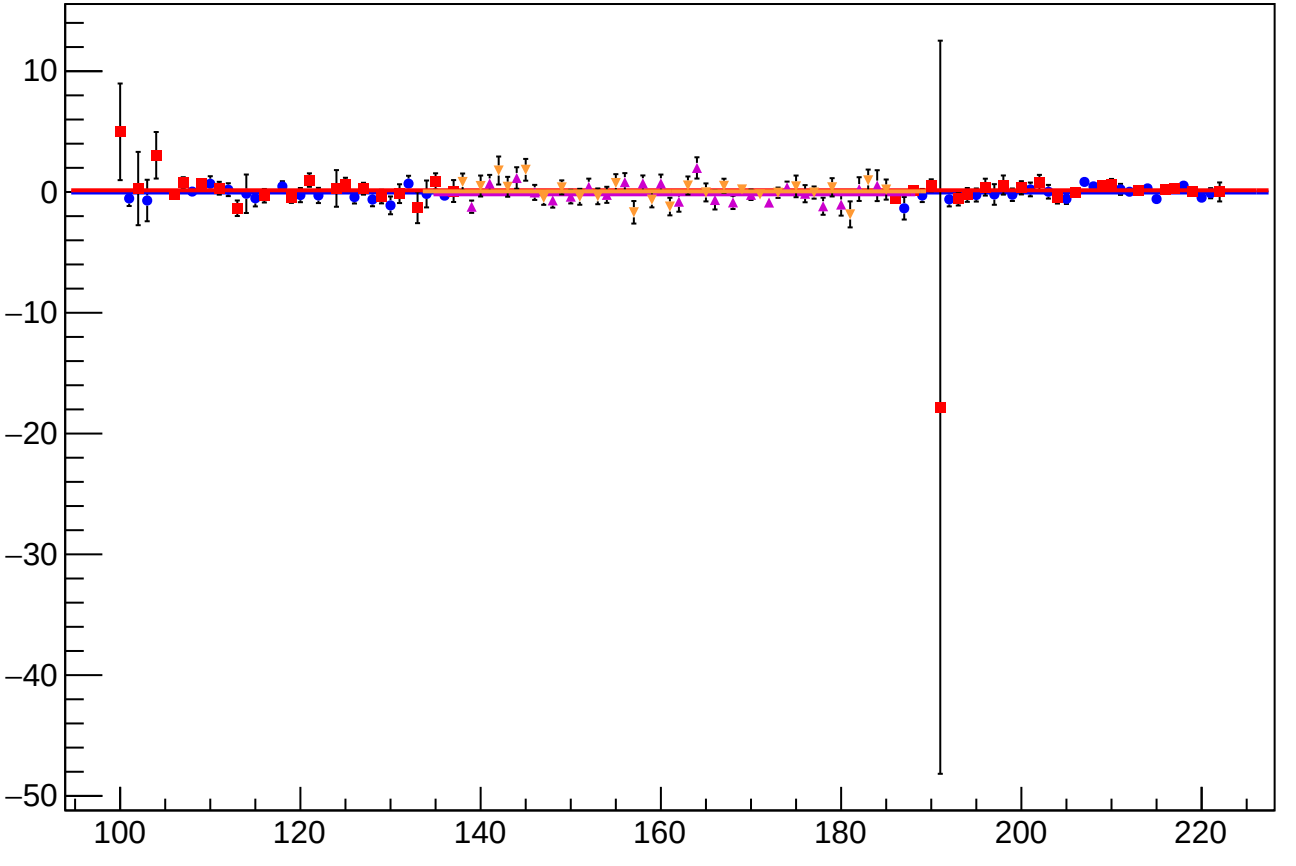
Right: 343.641+/-0.040 χ^2/NDF: 9283561.6/71

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 382.519+/-0.047 χ^2/NDF:12670416.2/62

All: 396.007+/-0.034 χ^2/NDF: 20368875.0/1

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: 0.141+/-0.077 χ^2/NDF: 37.5/37

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

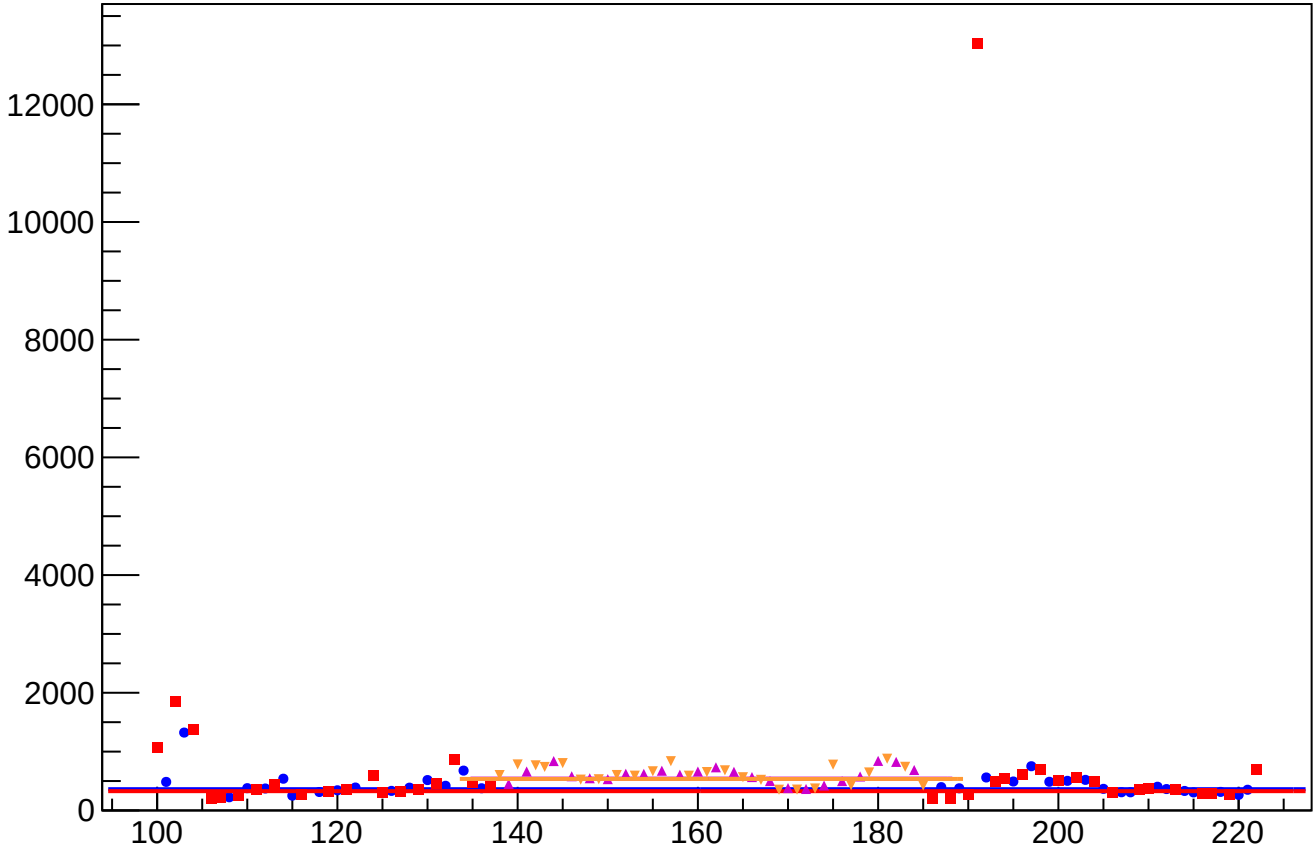
Right: 0.055+/-0.056 χ^2/NDF: 73.5/71

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.118+/-0.066 χ^2/NDF:62.5/62

All: 0.022+/-0.048 χ^2/NDF: 132.3/119

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 327.784+/-0.055 χ^2/NDF: 6111979.8/37

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

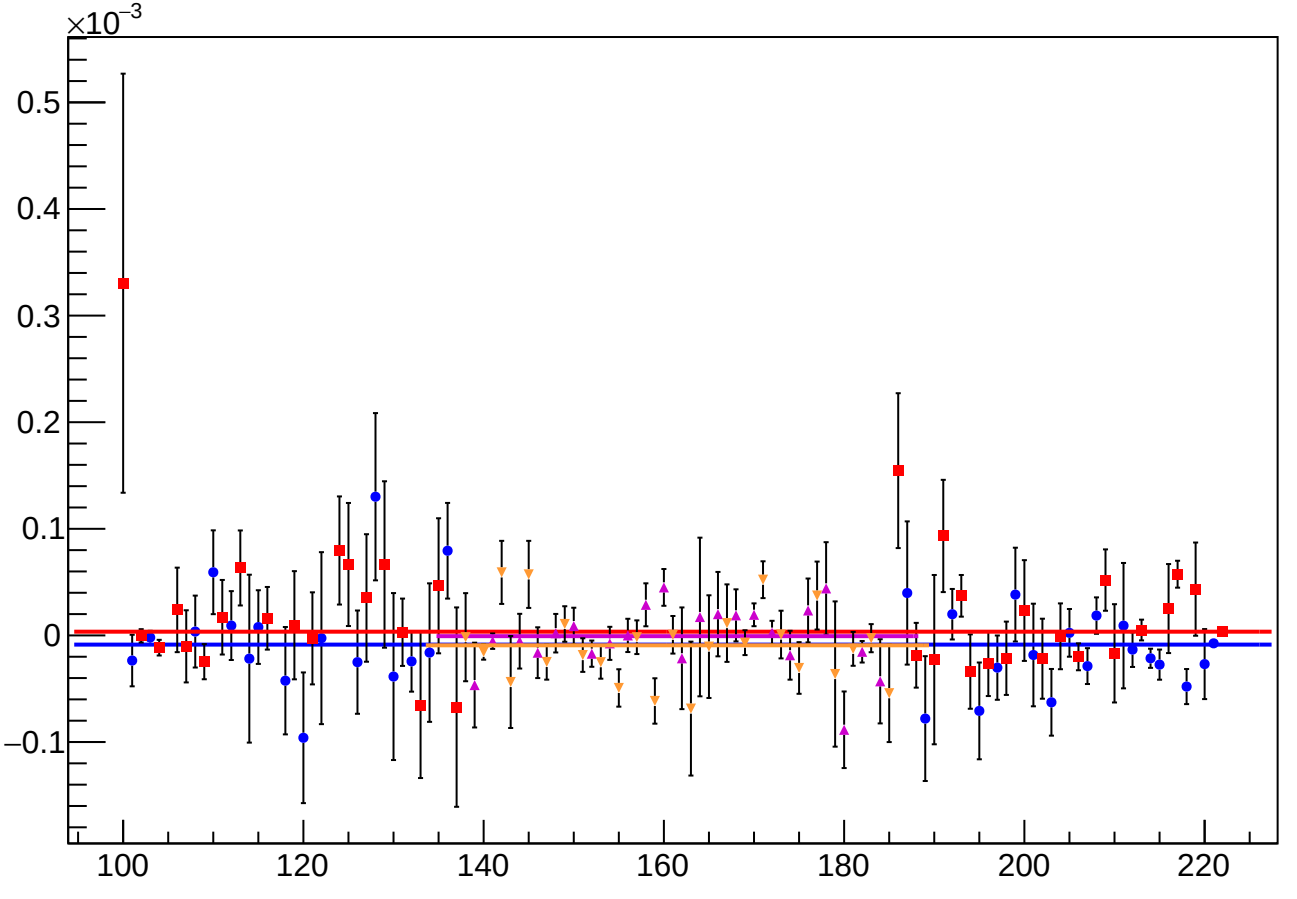
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 343.641+/-0.040 χ^2/NDF: 9283561.6/71

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 382.519+/-0.047 χ^2/NDF:12670416.2/62

All: 396.007+/-0.034 χ^2/NDF: 20368875.0/1



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: 60.4/37

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

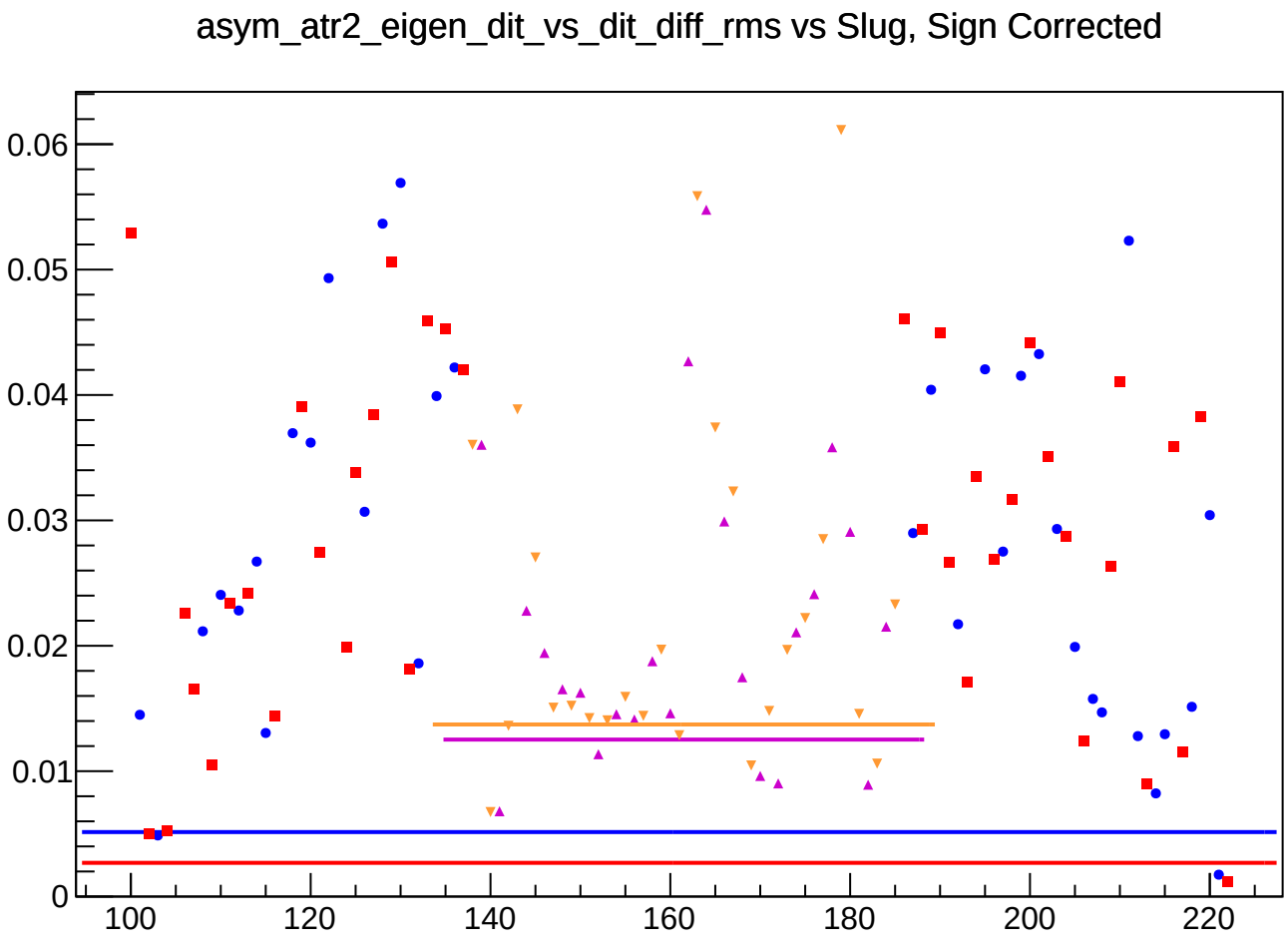
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: 0.000+/-0.000 χ^2/NDF: 126.1/71

In: -0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:116.8/62

All: -0.000+/-0.000 χ^2/NDF: 207.5/119



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: 0.003+/-0.000 χ^2/NDF: 34083304.7/37

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

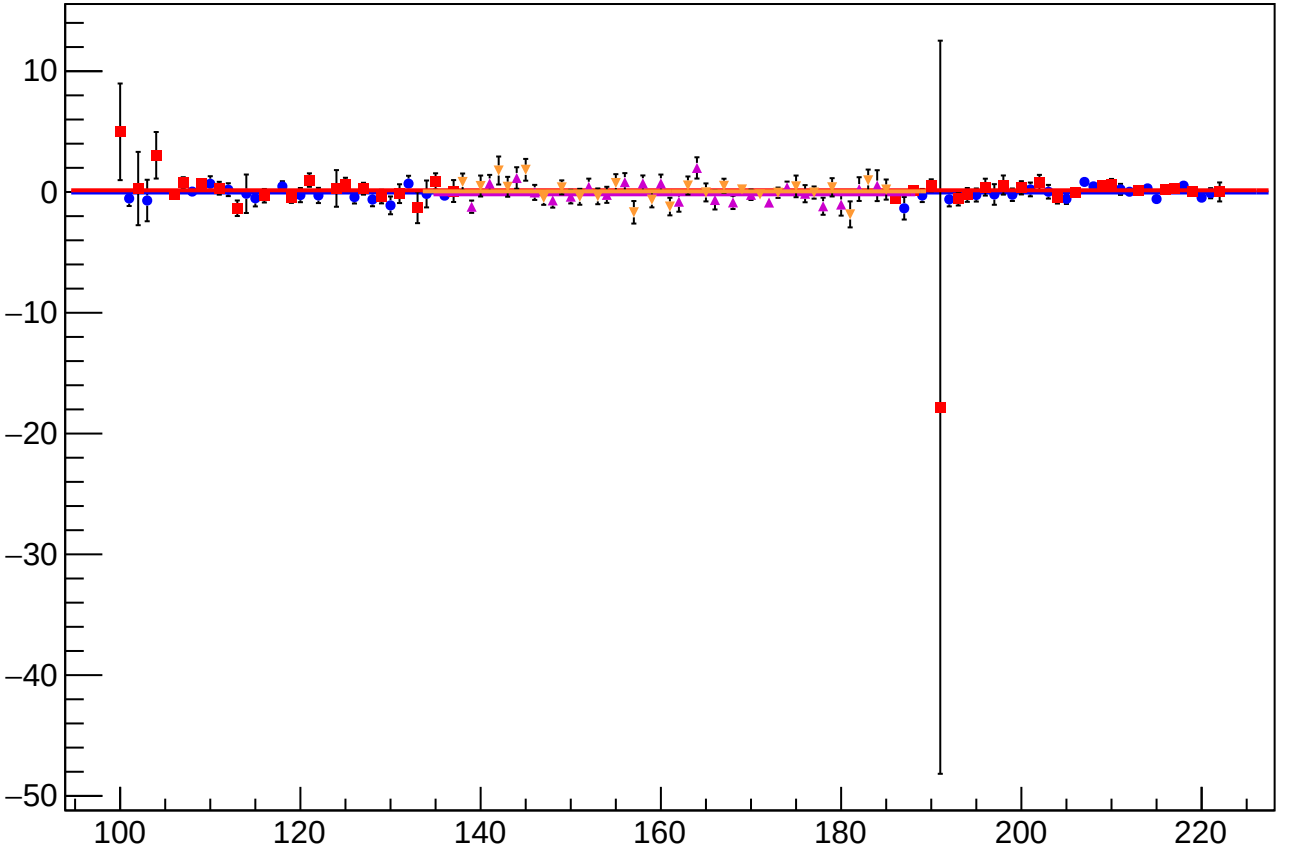
Right: 0.003+/-0.000 χ^2/NDF: 63762292.6/71

In: 0.007+/-0.000 χ^2/NDF:41527393.6/56

Out: 0.004+/-0.000 χ^2/NDF:58529618.5/62

All: 0.005+/-0.000 χ^2/NDF: 104441531.5/119

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: 0.141+/-0.077 χ^2/NDF: 37.5/37

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

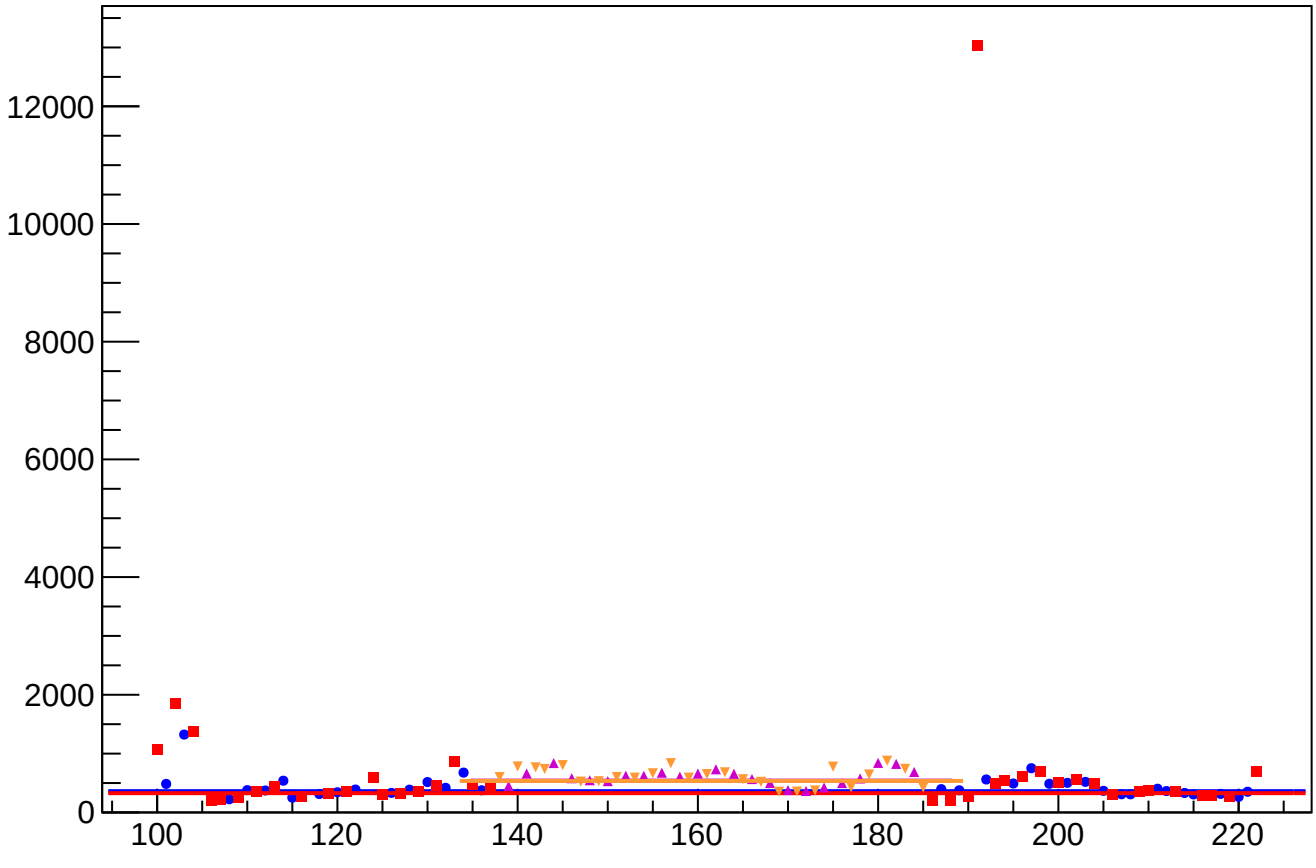
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/71

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.118+/-0.066 χ^2/NDF:62.5/62

All: 0.022+/-0.048 χ^2/NDF: 132.3/119



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: 327.785+/-0.055 χ^2/NDF: 6111913.2/37

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

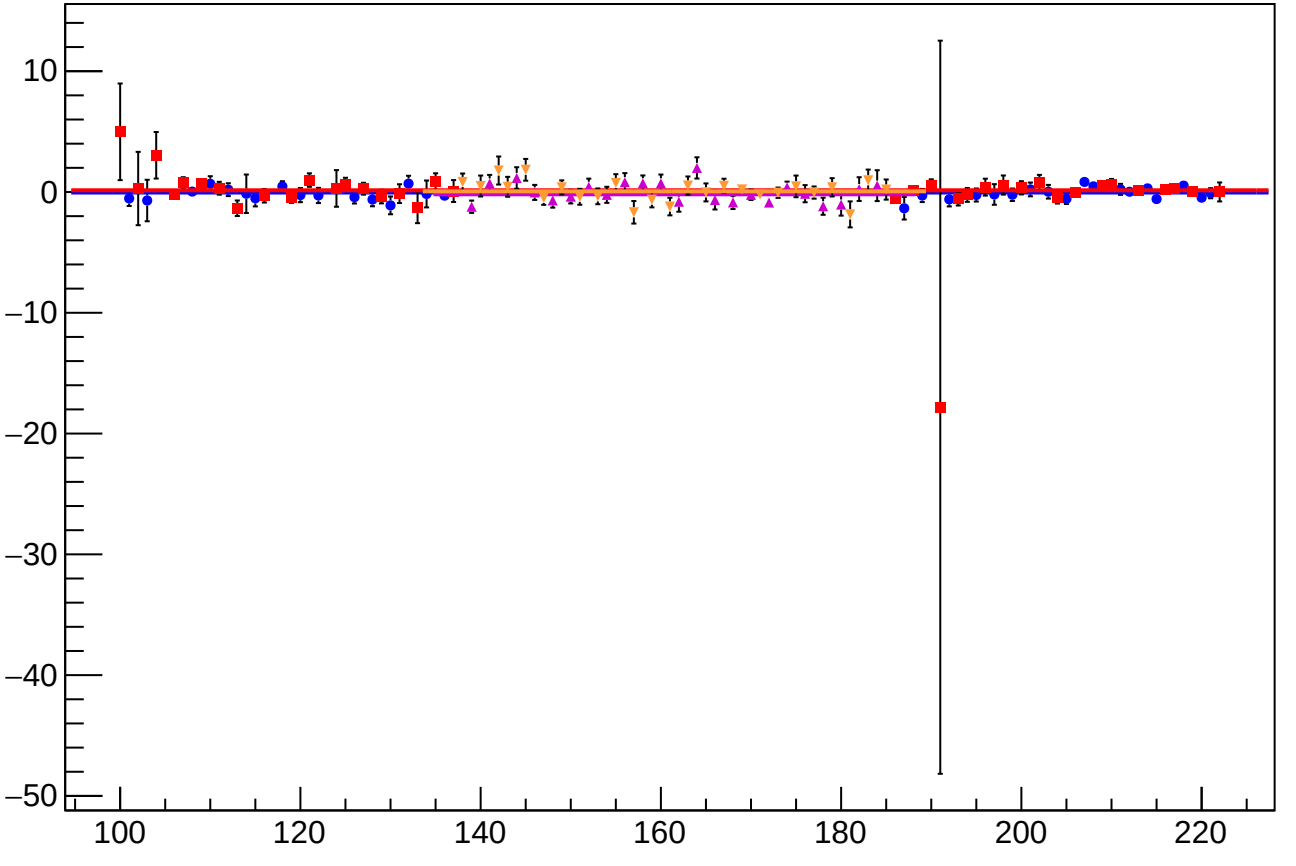
Right: 343.640+/-0.040 χ^2/NDF: 9283508.7/71

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 382.519+/-0.047 χ^2/NDF:12670536.6/62

All: 396.007+/-0.034 χ^2/NDF: 20369221.6/11

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.141+/-0.077 χ^2/NDF: 37.5/37

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

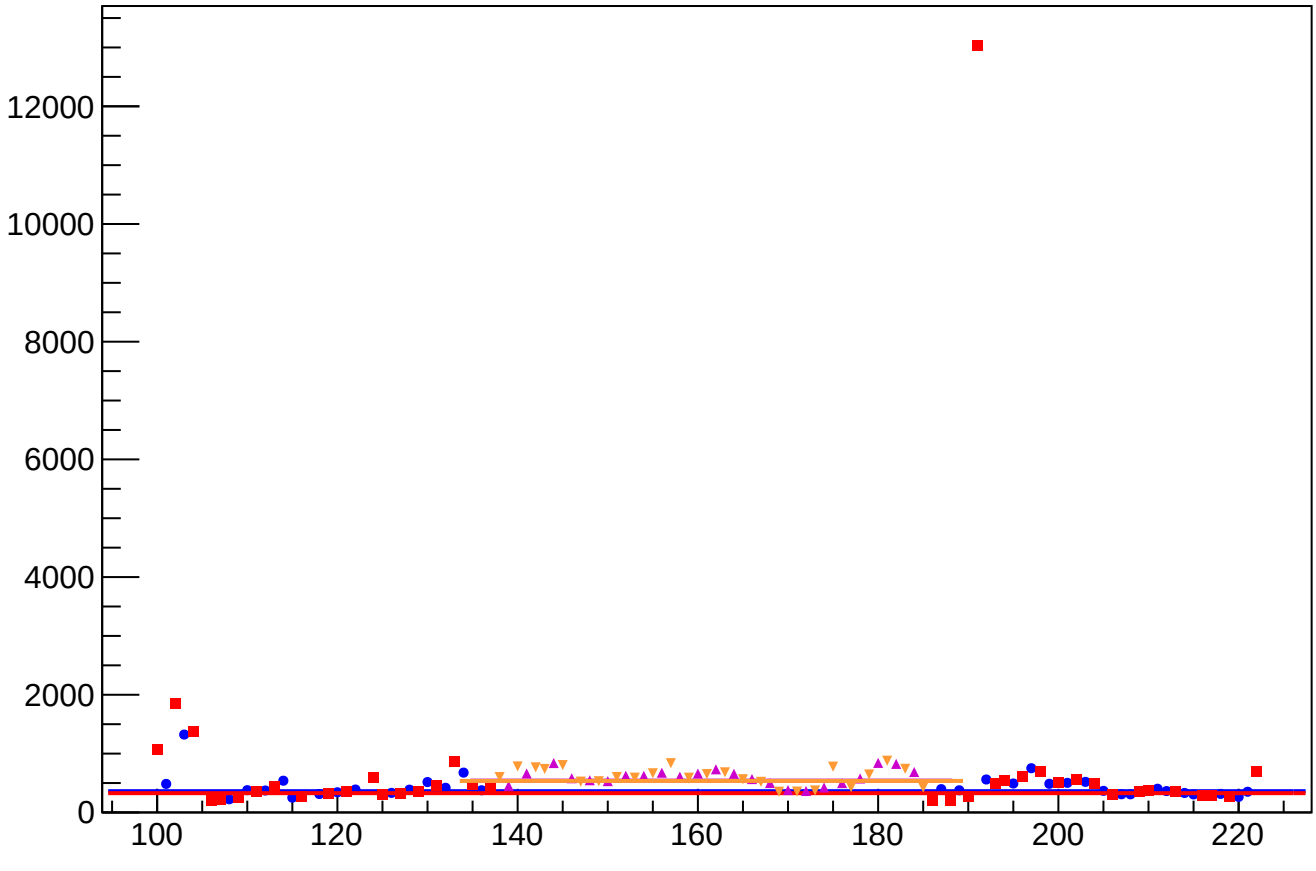
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/71

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.118+/-0.066 χ^2/NDF:62.5/62

All: 0.022+/-0.048 χ^2/NDF: 132.3/119



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: 327.785+/-0.055 χ^2/NDF: 6111913.2/37

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

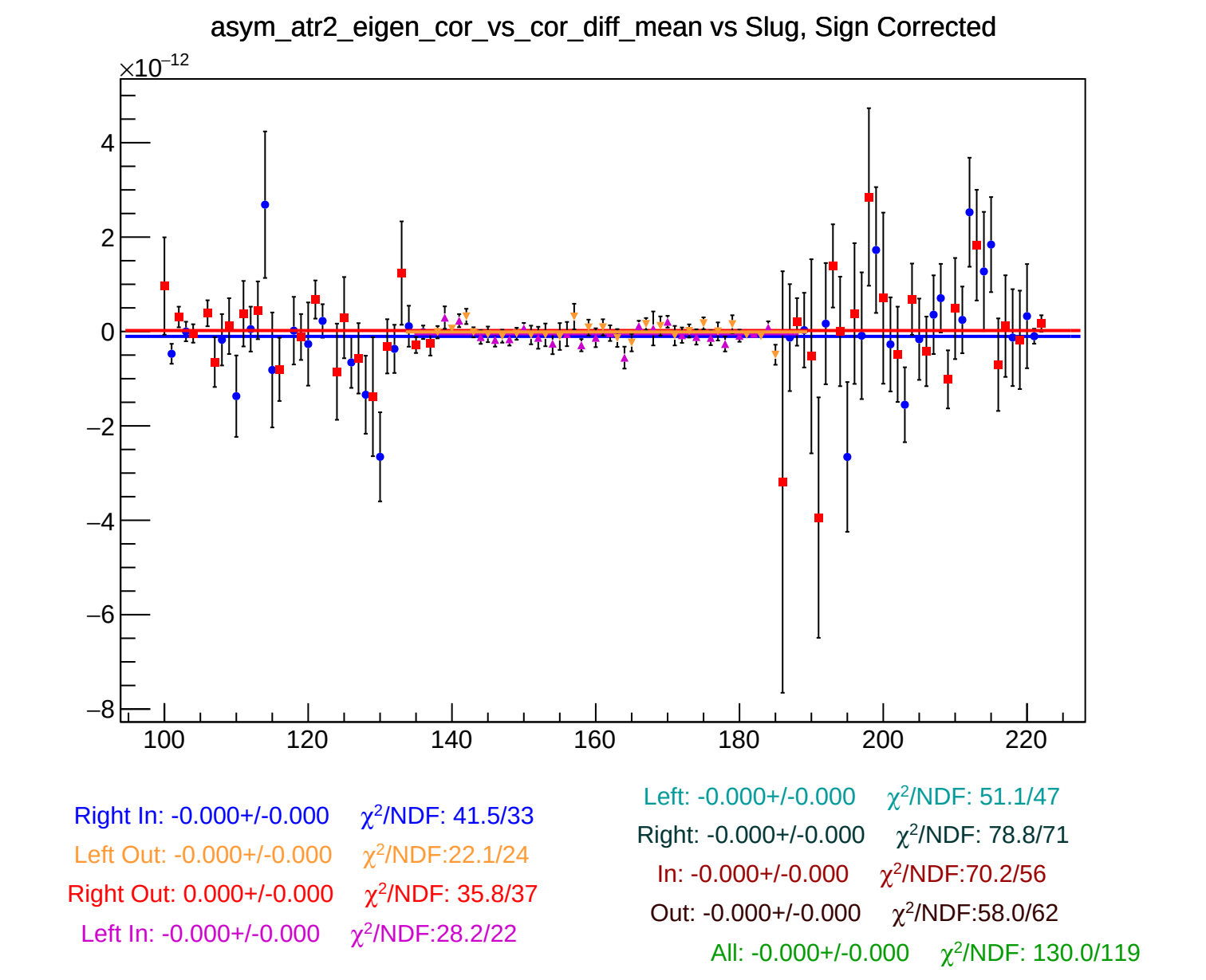
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

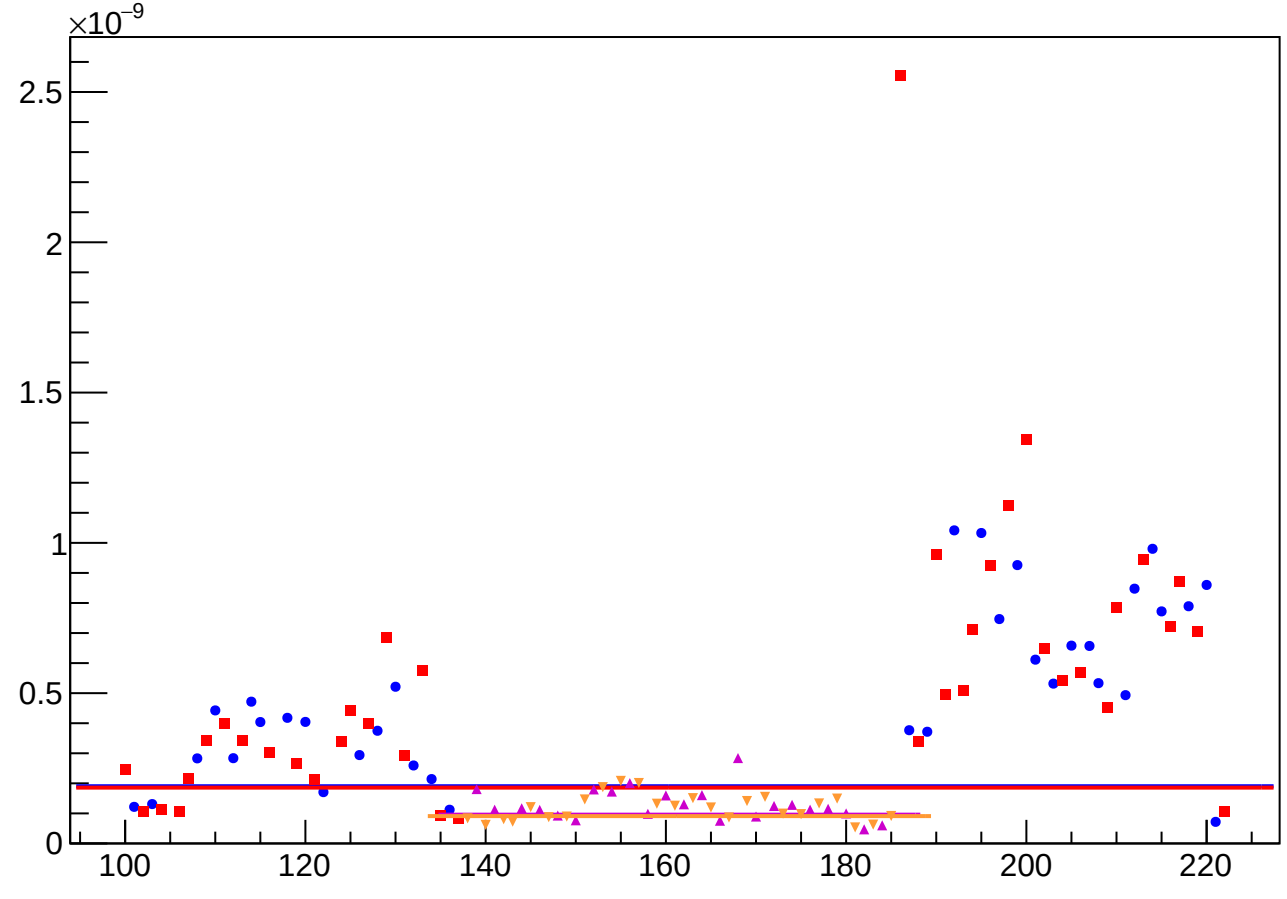
Right: 343.640+/-0.040 χ^2/NDF: 9283508.7/71

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 382.519+/-0.047 χ^2/NDF:12670536.6/62

All: 396.007+/-0.034 χ^2/NDF: 20369221.6/11


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: 35.8/37
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 78.8/71
In: -0.000+/-0.000 χ²/NDF:70.2/56
Out: -0.000+/-0.000 χ²/NDF:58.0/62
All: -0.000+/-0.000 χ²/NDF: 130.0/119



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: 12339824.2/37

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

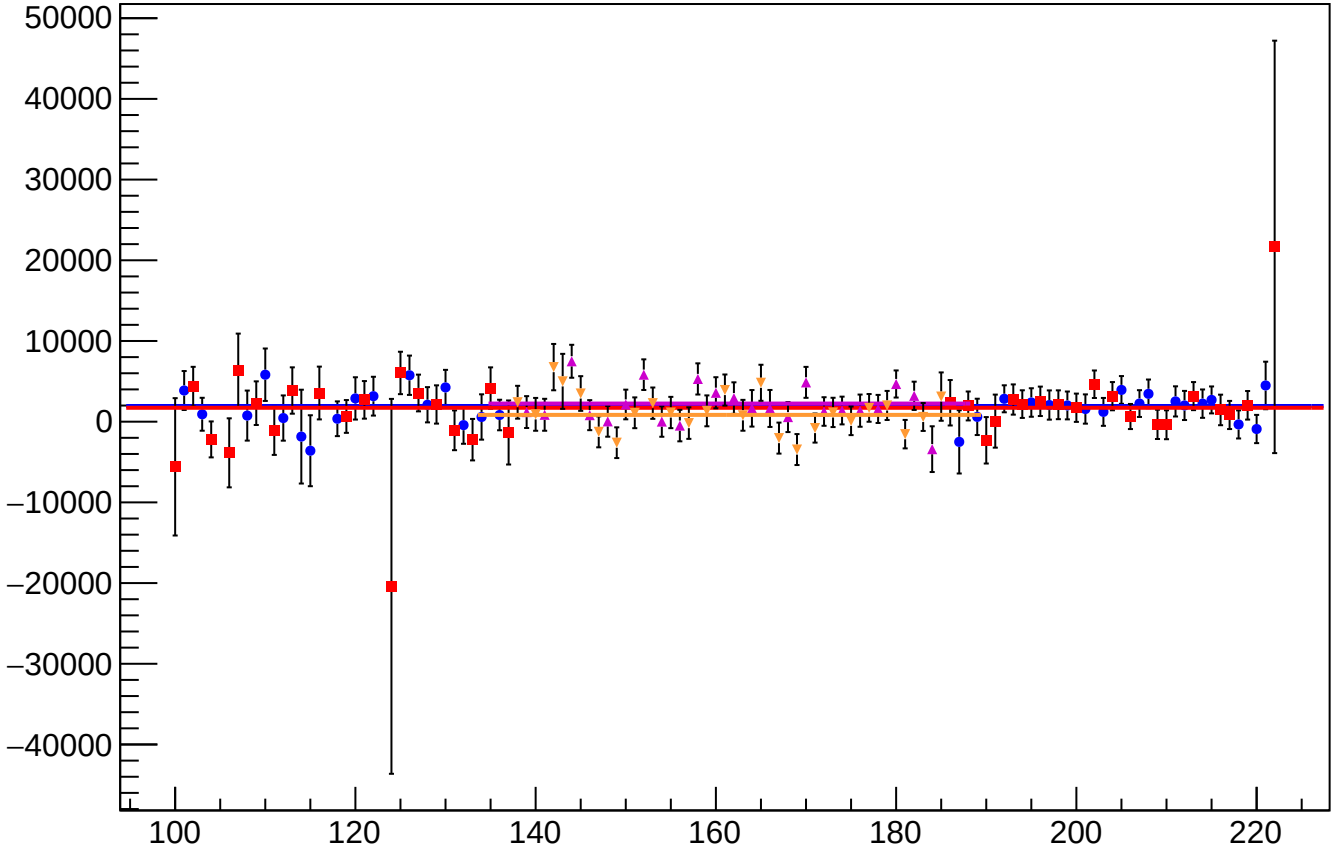
Right: 0.000+/-0.000 χ^2/NDF: 24483633.7/71

In: 0.000+/-0.000 χ^2/NDF:18963501.0/56

Out: 0.000+/-0.000 χ^2/NDF:18762603.0/62

All: 0.000+/-0.000 χ^2/NDF: 37771503.0/119

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: 1722.760+/-362.766 χ^2/NDF: 30.7/37

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

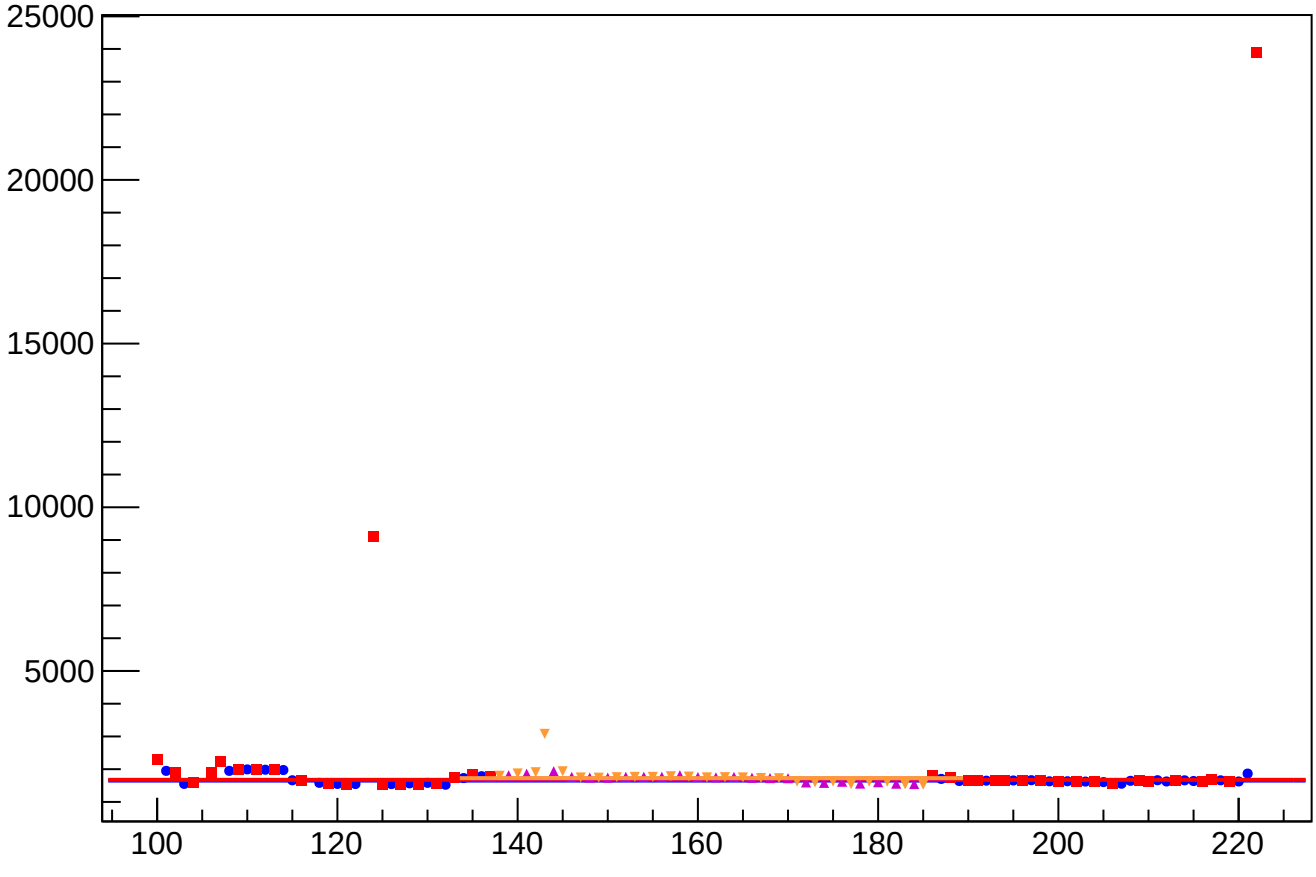
Right: 1834.602+/-254.651 χ^2/NDF: 51.5/71

In: 2077.009+/-266.798 χ^2/NDF:50.4/56

Out: 1318.966+/-267.012 χ^2/NDF:63.8/62

All: 1698.291+/-188.730 χ^2/NDF: 118.2/119

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: 1674.802+/-0.256 χ^2/NDF: 1934403.5/37

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

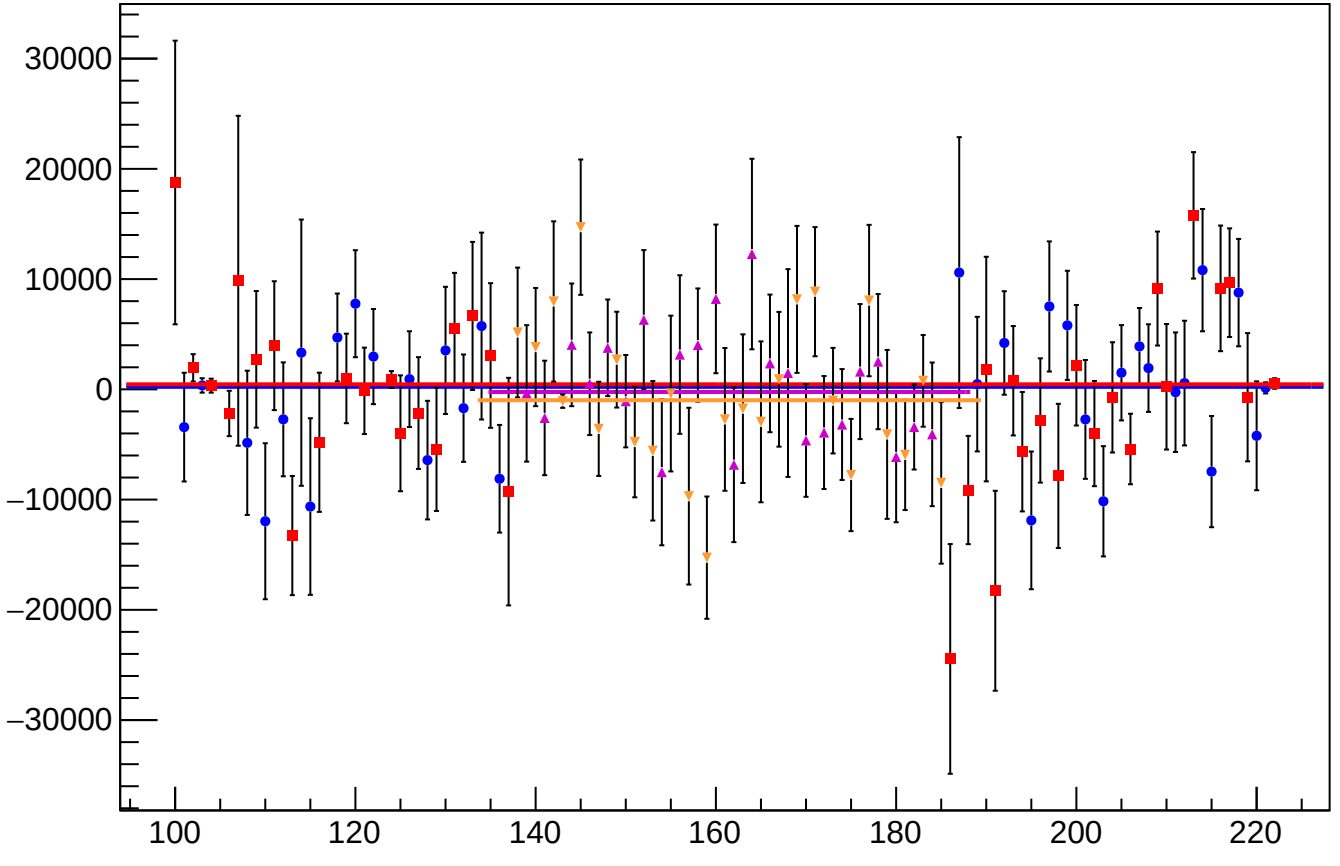
Right: 1663.635+/-0.180 χ^2/NDF: 2104761.9/71

In: 1679.524+/-0.189 χ^2/NDF:321192.8/56

Out: 1698.251+/-0.189 χ^2/NDF:2407656.0/62

All: 1688.888+/-0.133 χ^2/NDF: 2733775.5/11

asym_atl_avg_reg_correction_mean vs Slug, Sign Corrected



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: 455.436+/-308.005 χ^2/NDF: 55.9/37

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

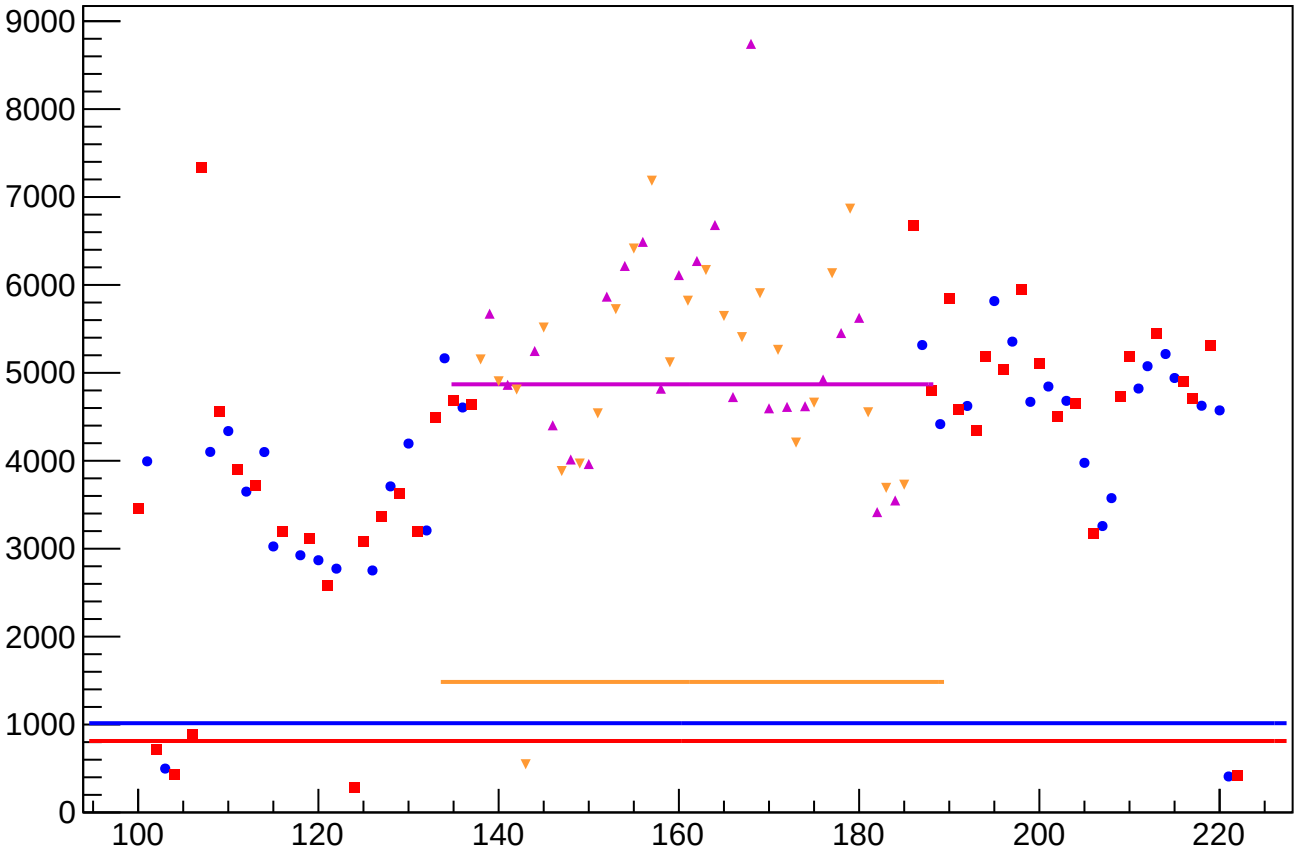
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 361.858+/-235.647 χ^2/NDF: 95.8/71

In: 187.614+/-349.127 χ^2/NDF:53.4/56

Out: 102.440+/-267.696 χ^2/NDF:92.0/62

All: 133.975+/-212.436 χ^2/NDF: 145.5/119



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: 812.784+/-0.218 χ^2/NDF: 29384308.6/37

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

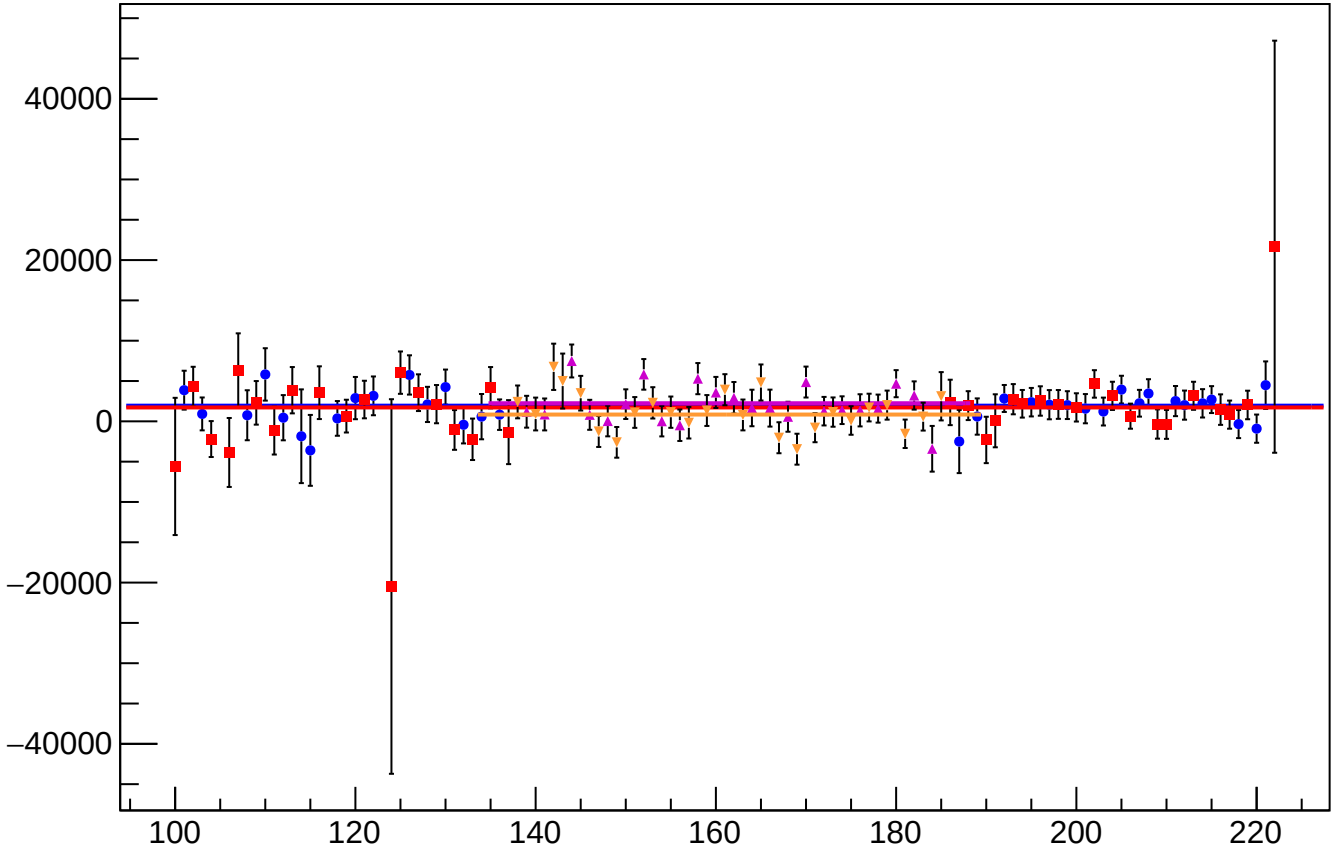
Right: 896.717+/-0.167 χ^2/NDF: 57351573.4/71

In: 1361.336+/-0.247 χ^2/NDF:49009225.4/56

Out: 977.113+/-0.189 χ^2/NDF:54936566.6/62

All: 1119.369+/-0.150 χ^2/NDF: 105471261.9

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: 1721.985+/-362.767 χ^2/NDF: 30.7/37

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

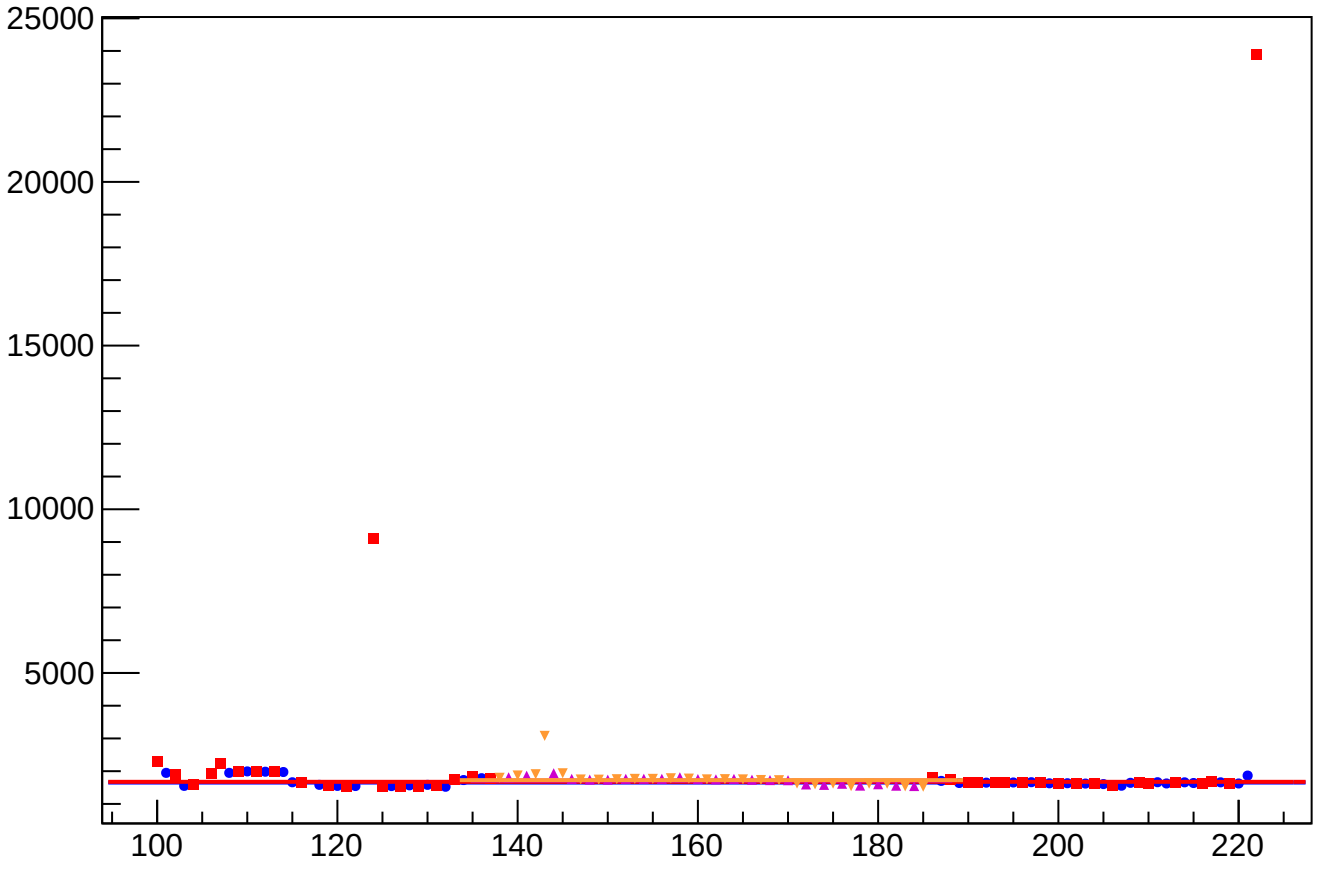
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1834.237+/-254.651 χ^2/NDF: 51.5/71

In: 2077.035+/-266.798 χ^2/NDF:50.4/56

Out: 1318.542+/-267.013 χ^2/NDF:63.7/62

All: 1698.093+/-188.731 χ^2/NDF: 118.2/119



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: 1675.056+/-0.256 χ^2/NDF: 1936494.8/37

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

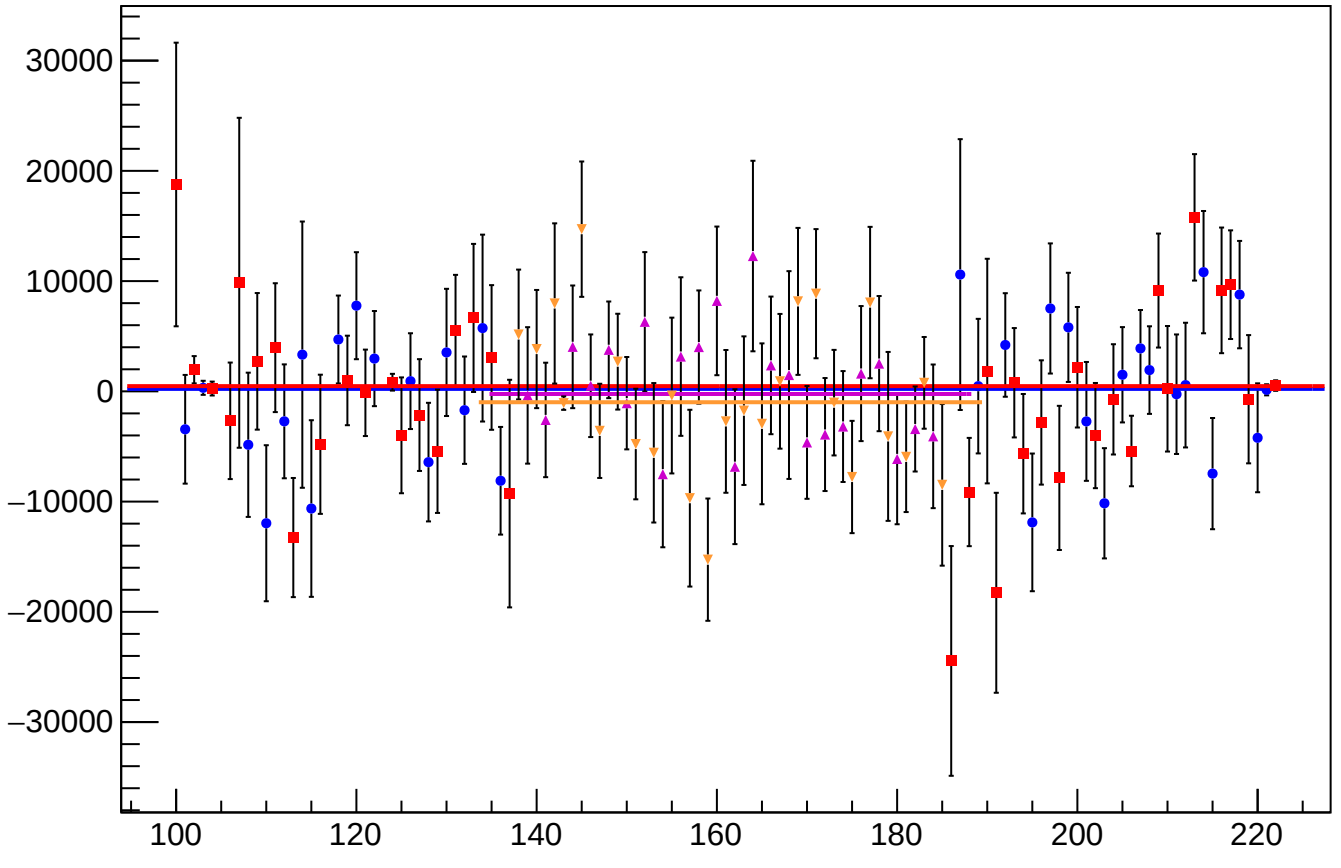
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1663.758+/-0.180 χ^2/NDF: 2106939.6/71

In: 1679.524+/-0.189 χ^2/NDF:321192.9/56

Out: 1698.393+/-0.189 χ^2/NDF:2409563.6/62

All: 1688.958+/-0.133 χ^2/NDF: 2735757.6/11



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: 472.797+/-310.206 χ^2/NDF: 54.6/37

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

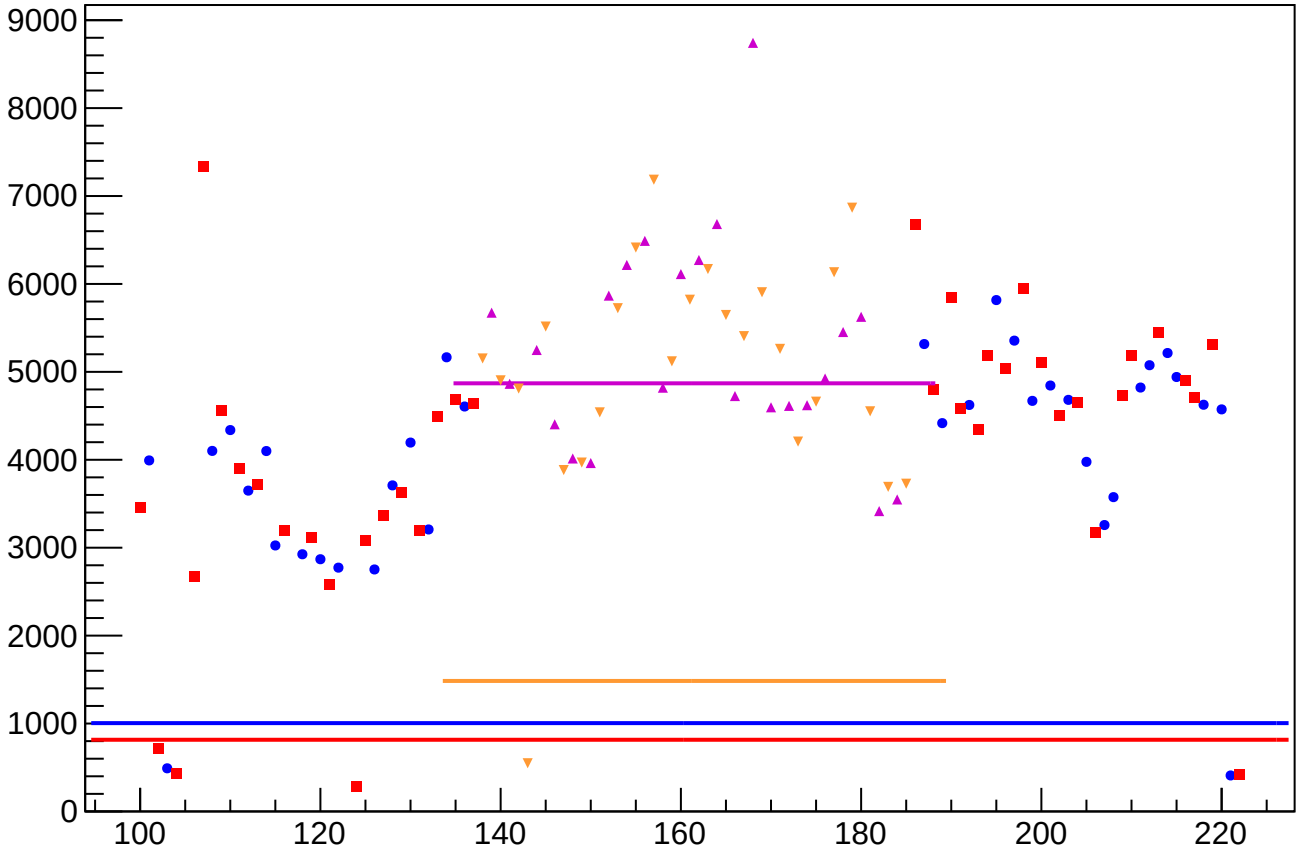
Right: 367.745+/-235.851 χ^2/NDF: 94.5/71

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: 111.759+/-269.135 χ^2/NDF:90.9/62

All: 138.481+/-212.584 χ^2/NDF: 144.3/119

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: 815.457+/-0.219 χ^2/NDF: 29654003.8/37

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

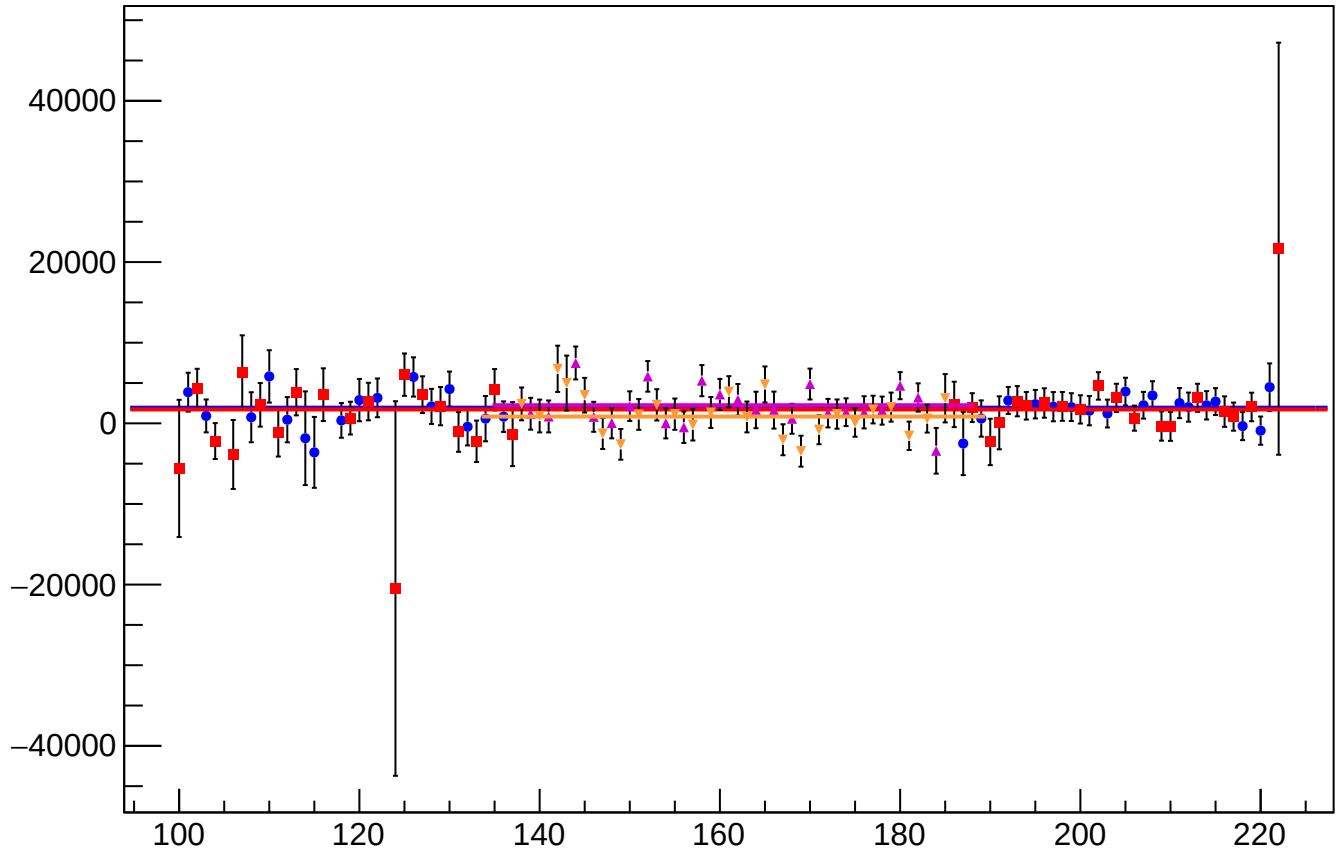
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 895.321+/-0.167 χ^2/NDF: 57676416.3/71

In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 980.888+/-0.190 χ^2/NDF:55179902.4/62

All: 1118.540+/-0.150 χ^2/NDF: 105815700.8



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: 1721.985+/-362.767 χ^2/NDF: 30.7/37

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

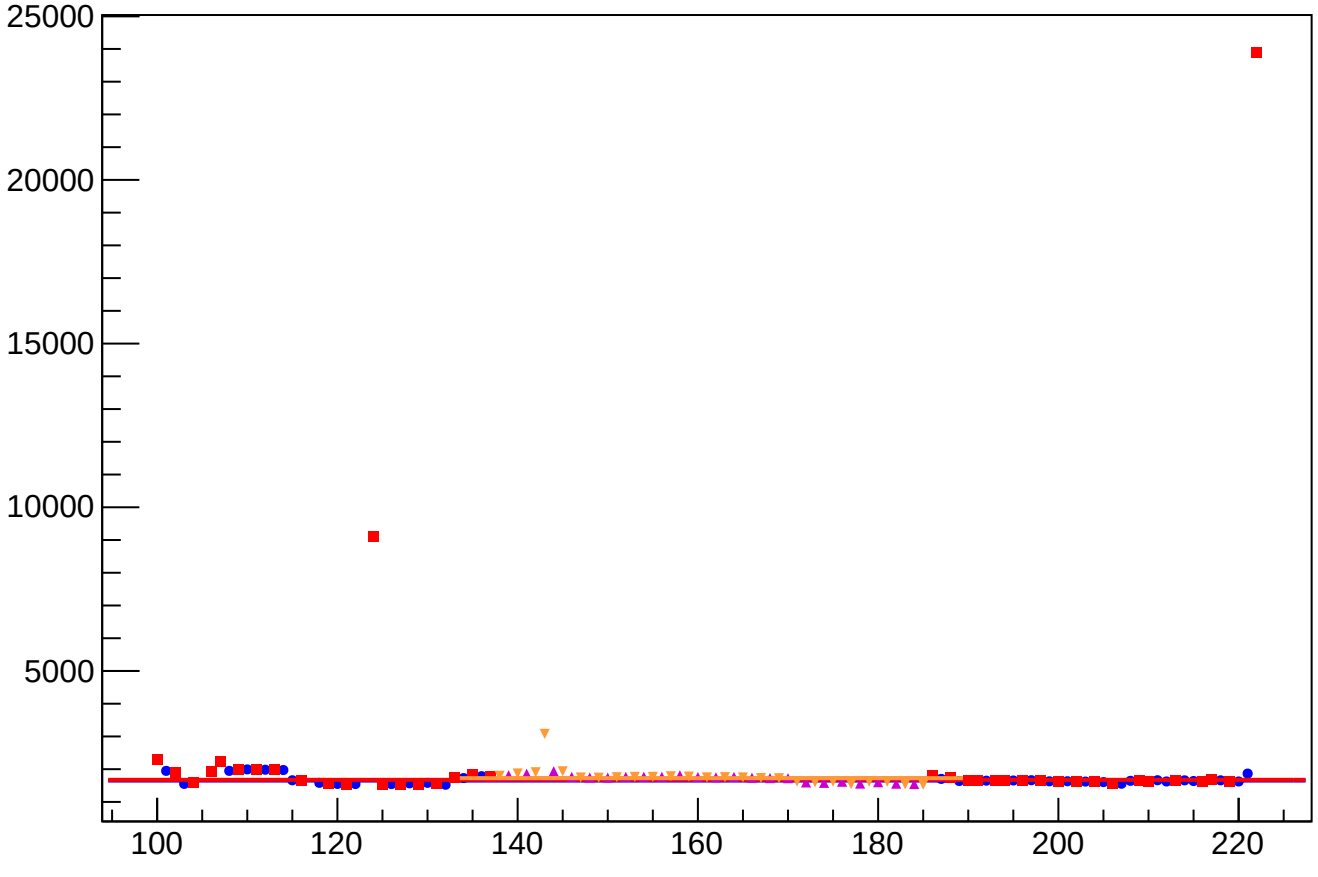
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1834.237+/-254.651 χ^2/NDF: 51.5/71

In: 2077.035+/-266.798 χ^2/NDF:50.4/56

Out: 1318.542+/-267.013 χ^2/NDF:63.7/62

All: 1698.093+/-188.731 χ^2/NDF: 118.2/119



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: 1675.056+/-0.256 χ^2/NDF: 1936494.8/37

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

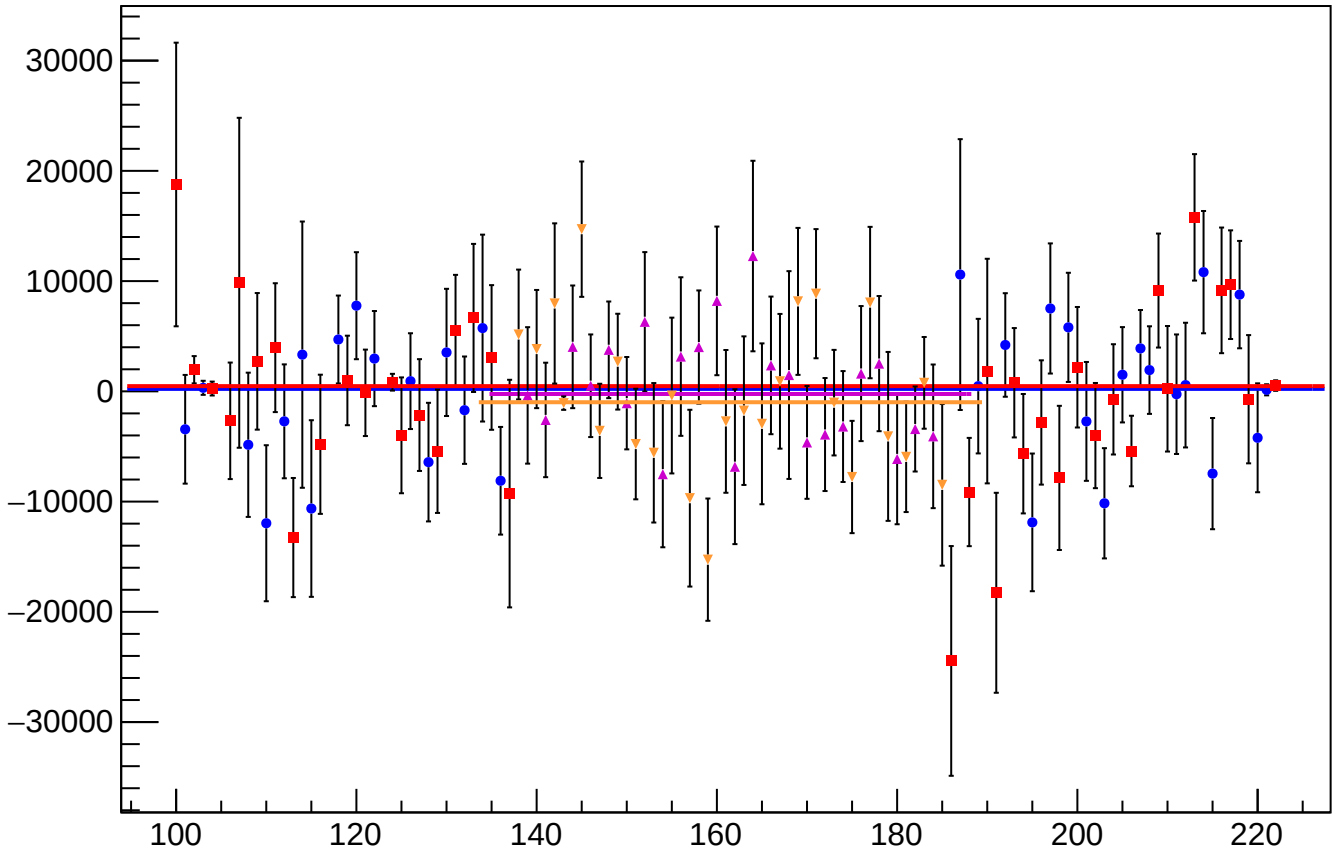
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1663.758+/-0.180 χ^2/NDF: 2106939.6/71

In: 1679.524+/-0.189 χ^2/NDF:321192.9/56

Out: 1698.393+/-0.189 χ^2/NDF:2409563.6/62

All: 1688.958+/-0.133 χ^2/NDF: 2735757.6/11



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: 472.797+/-310.206 χ^2/NDF: 54.6/37

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

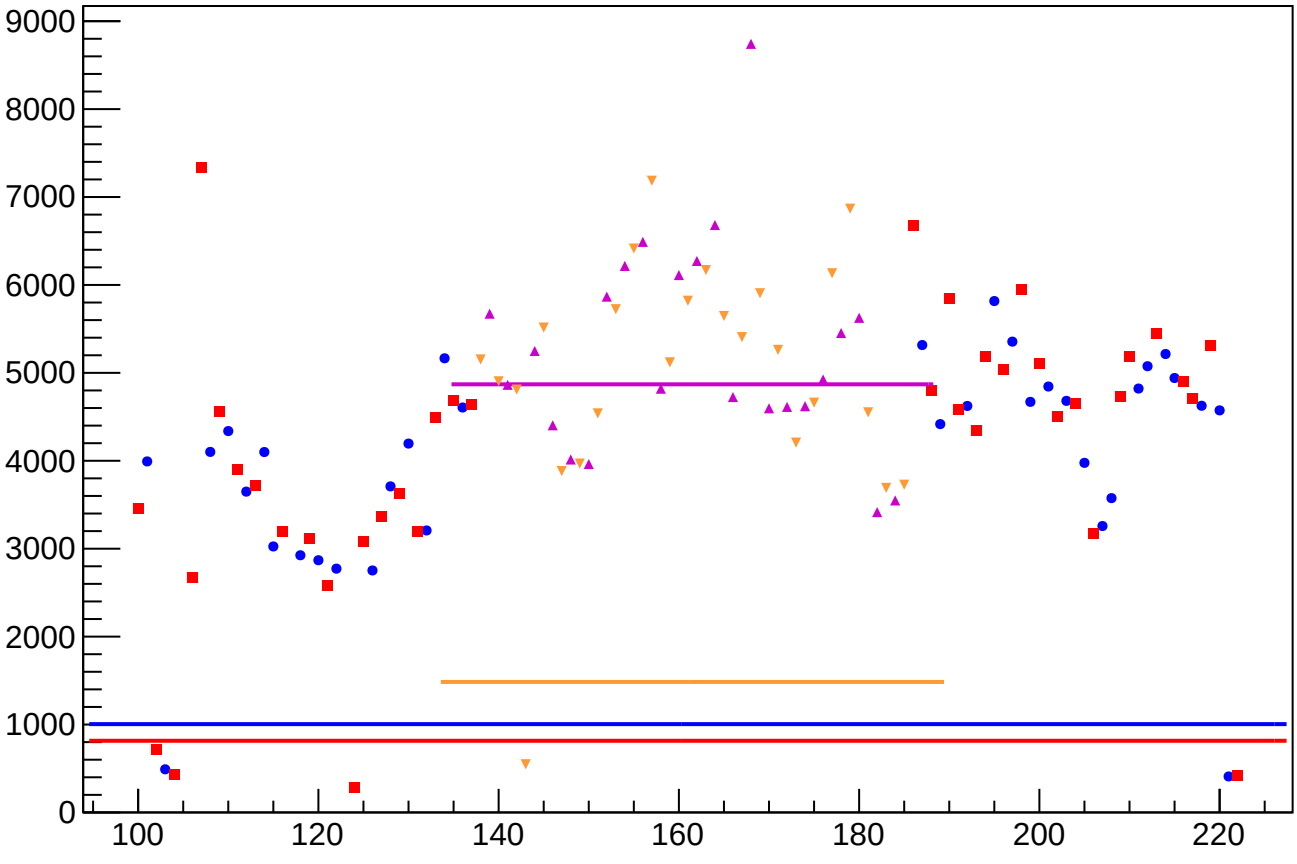
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 367.745+/-235.851 χ^2/NDF: 94.5/71

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: 111.759+/-269.135 χ^2/NDF:90.9/62

All: 138.481+/-212.584 χ^2/NDF: 144.3/119



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: 815.457+/-0.219 χ^2/NDF: 29654003.8/37

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

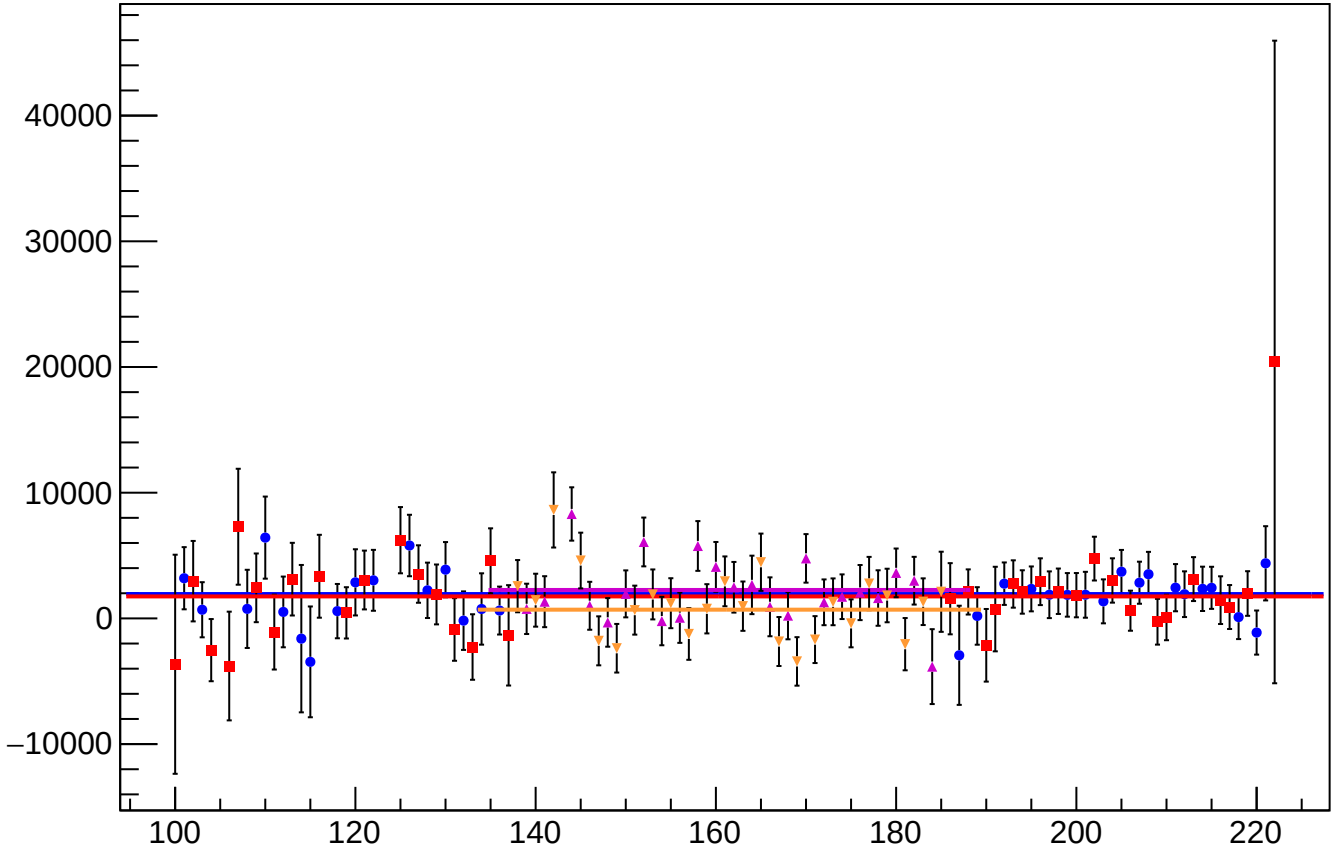
Right: 895.321+/-0.167 χ^2/NDF: 57676416.3/71

In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 980.888+/-0.190 χ^2/NDF:55179902.4/62

All: 1118.540+/-0.150 χ^2/NDF: 105815700.8

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1936.919+/-360.982 χ^2/NDF: 19.9/33

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1748.780+/-368.373 χ^2/NDF: 27.8/36

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

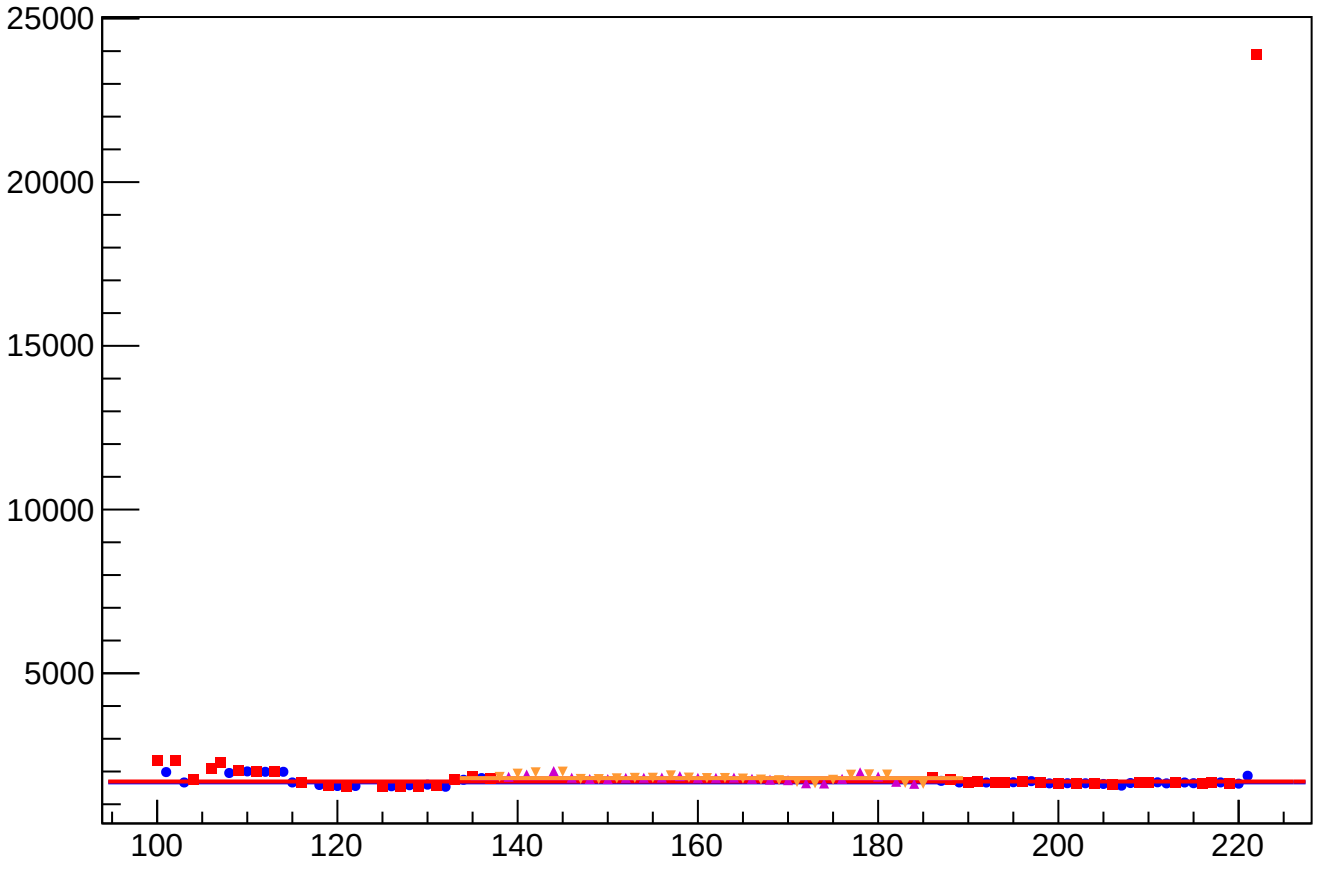
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1844.755+/-257.826 χ^2/NDF: 47.8/70

In: 2075.246+/-273.533 χ^2/NDF:50.7/56

Out: 1287.893+/-276.382 χ^2/NDF:63.6/60

All: 1685.649+/-194.417 χ^2/NDF: 118.3/117



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: 1694.947+/-0.260 χ^2/NDF: 1801575.1/36

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

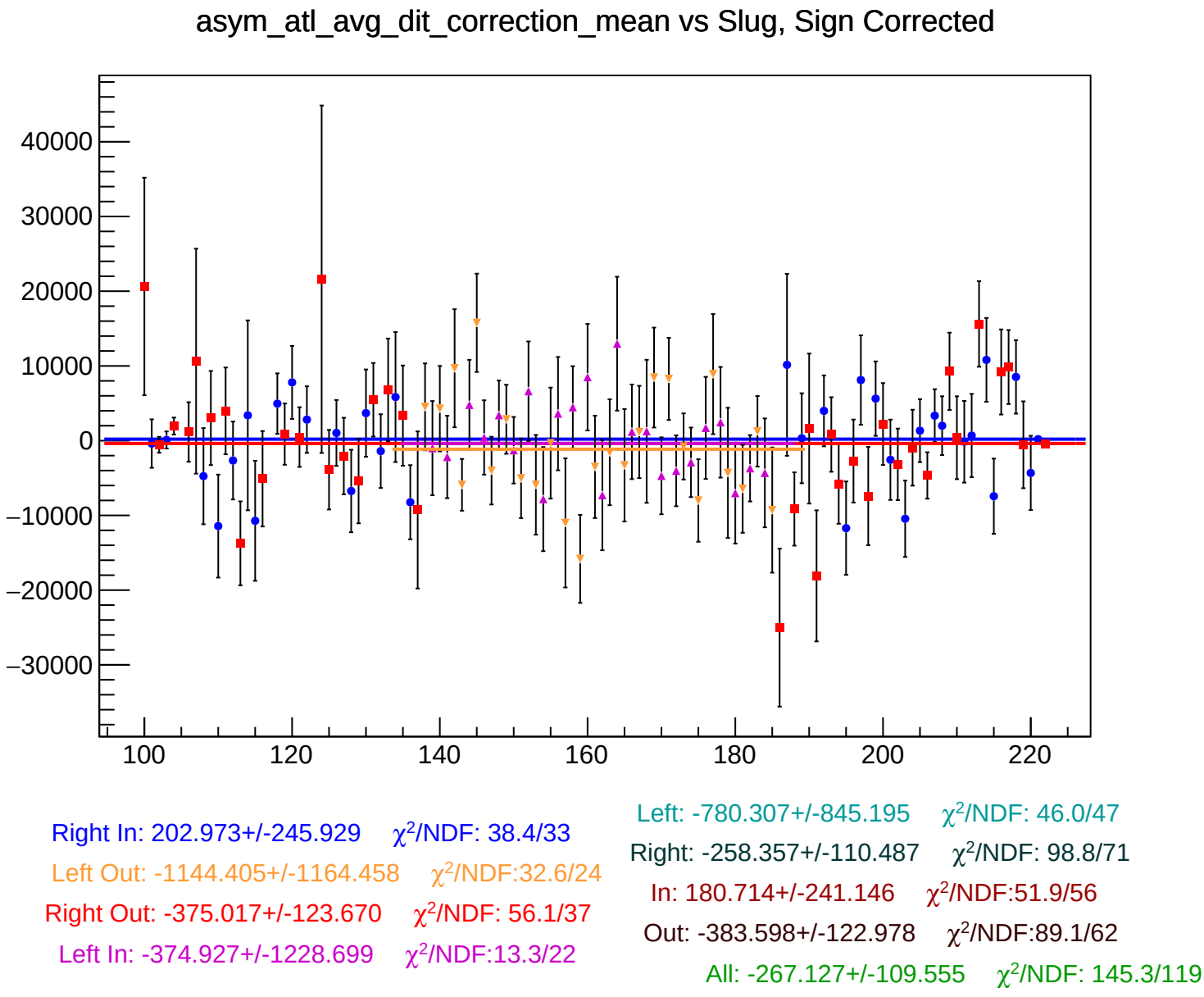
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

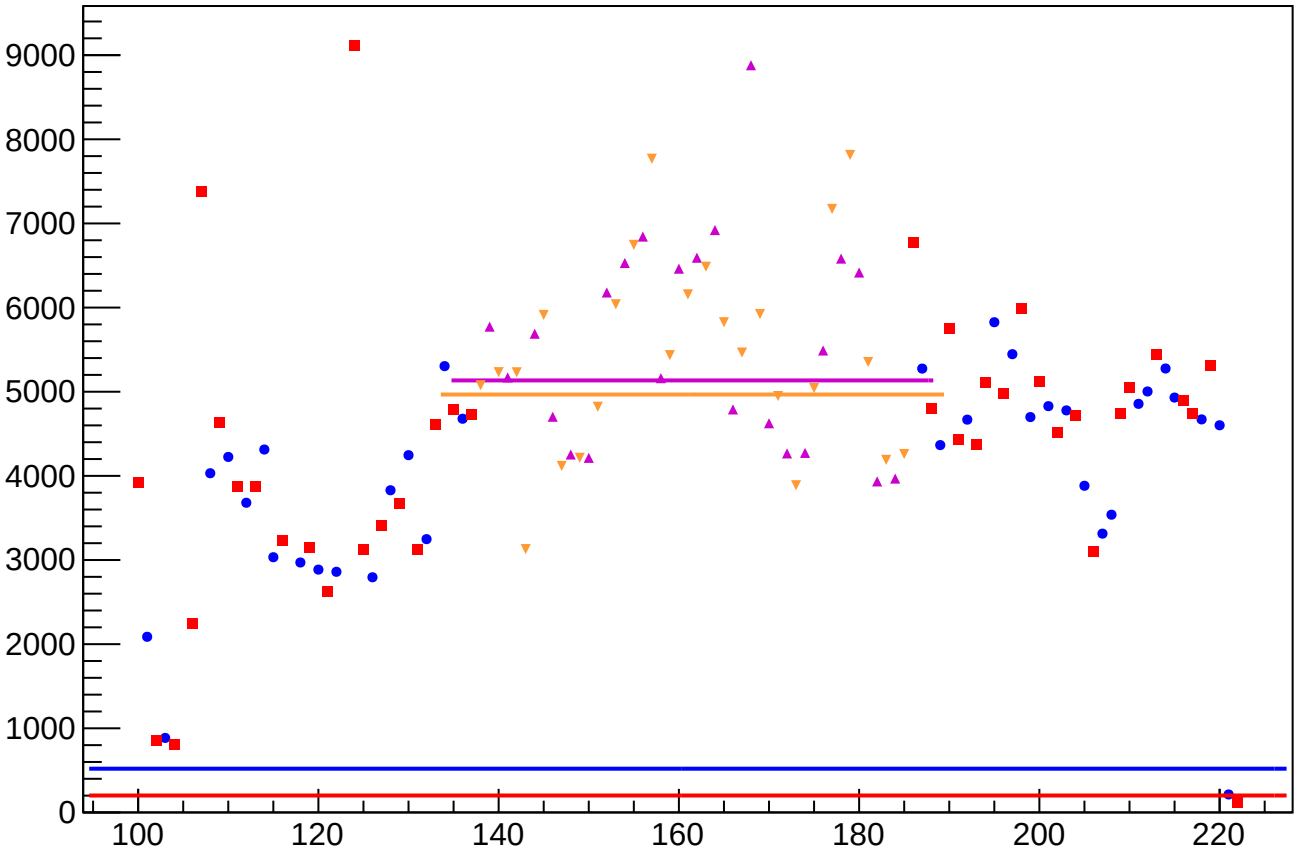
Right: 1681.280+/-0.182 χ^2/NDF: 1970398.8/70

In: 1721.073+/-0.193 χ^2/NDF:357288.8/56

Out: 1739.914+/-0.195 χ^2/NDF:1967912.8/60

All: 1730.399+/-0.137 χ^2/NDF: 2329898.8/11


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: -375.017+/-123.670 χ²/NDF: 56.1/37
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: -258.357+/-110.487 χ²/NDF: 98.8/71
In: 180.714+/-241.146 χ²/NDF:51.9/56
Out: -383.598+/-122.978 χ²/NDF:89.1/62
All: -267.127+/-109.555 χ²/NDF: 145.3/119



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: 201.558+/-0.087 χ^2/NDF: 39130814.5/37

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

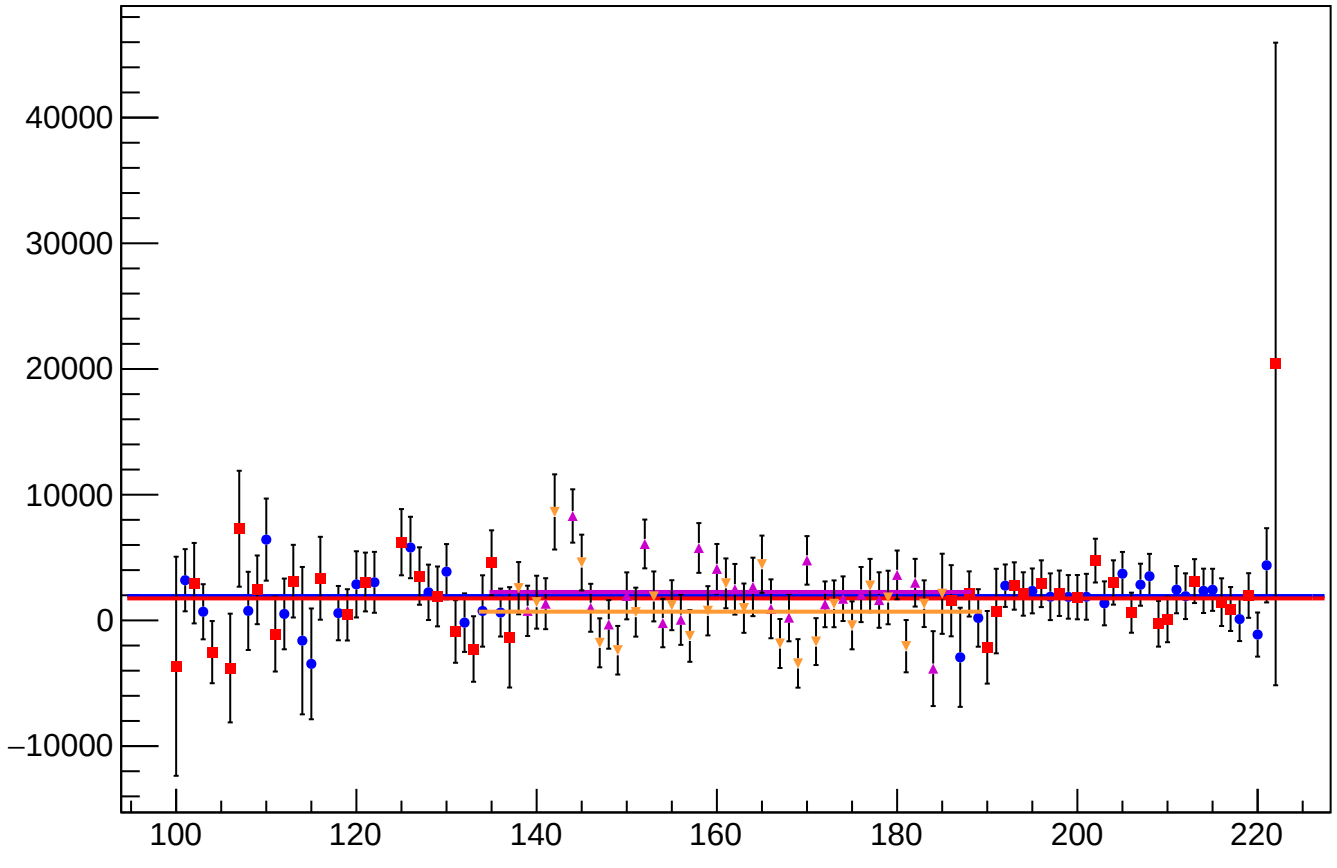
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 265.840+/-0.078 χ^2/NDF: 75467958.9/71

In: 697.784+/-0.171 χ^2/NDF:62268296.7/56

Out: 254.708+/-0.087 χ^2/NDF:74169143.5/62

All: 346.156+/-0.077 χ^2/NDF: 141795779.7/



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: 1748.776+/-368.373 χ^2/NDF: 27.8/36

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

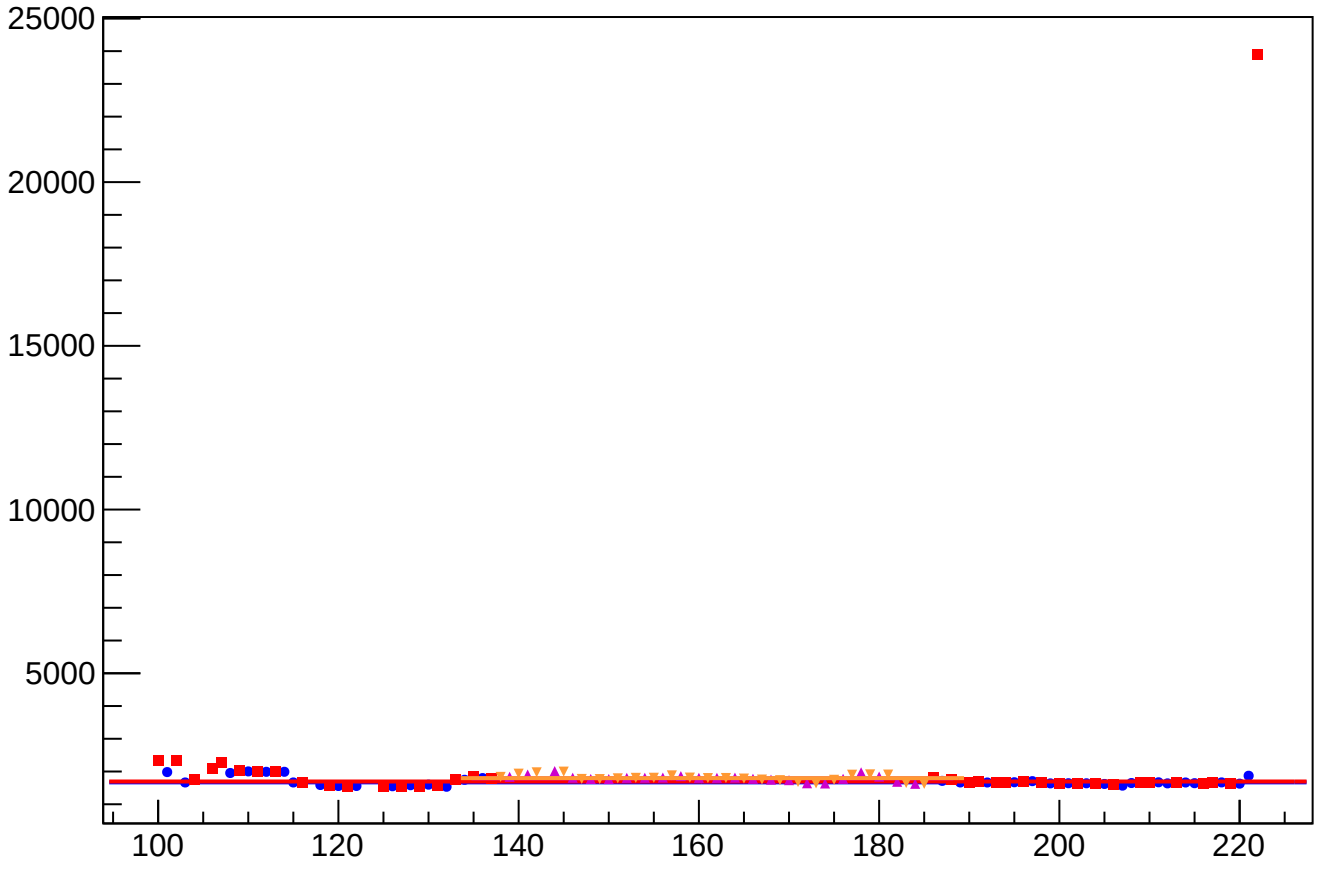
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1844.753+/-257.826 χ^2/NDF: 47.8/70

In: 2075.245+/-273.533 χ^2/NDF:50.7/56

Out: 1287.890+/-276.382 χ^2/NDF:63.6/60

All: 1685.646+/-194.417 χ^2/NDF: 118.3/117



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: 1694.946+/-0.260 χ^2/NDF: 1801574.6/36

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

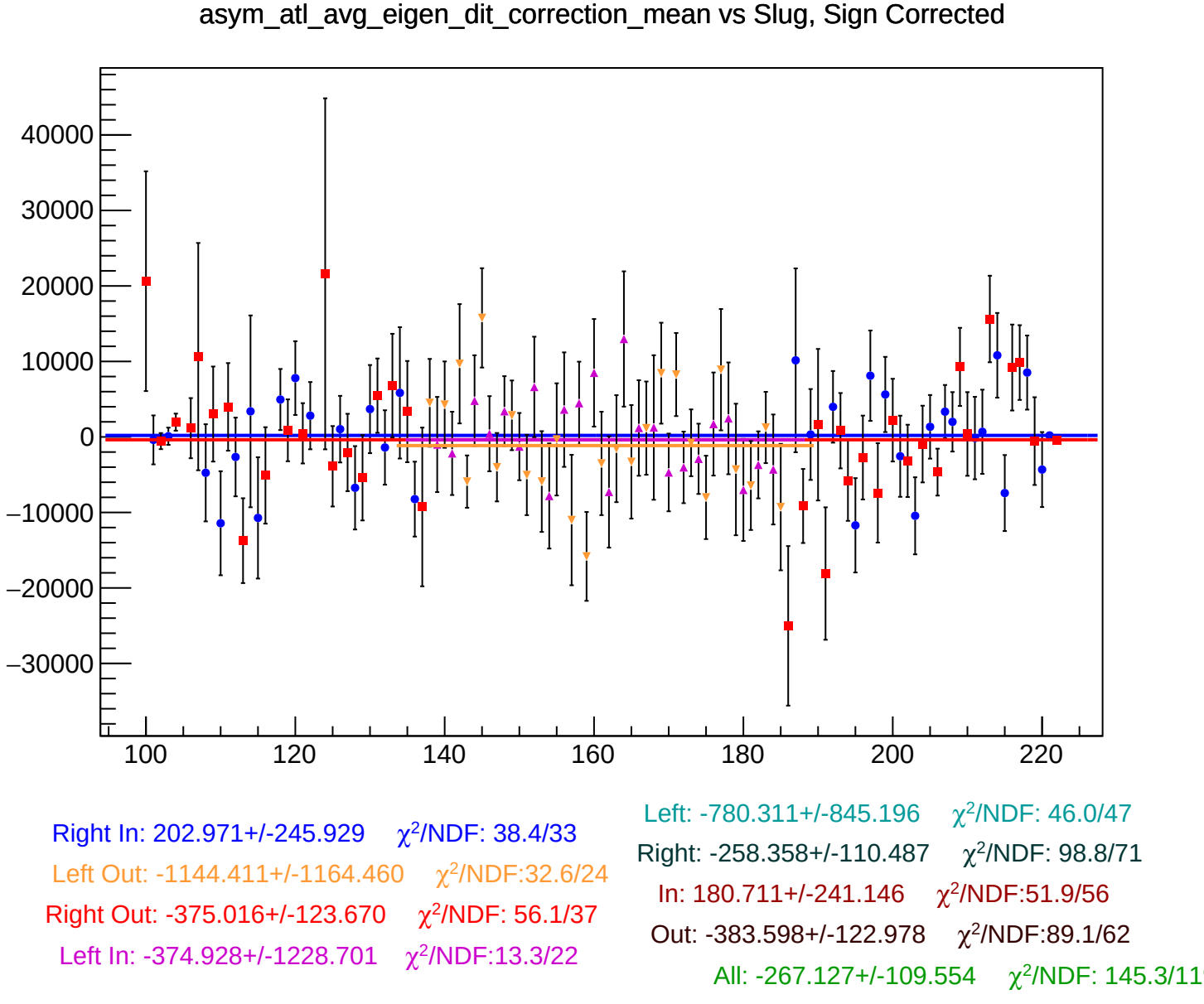
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

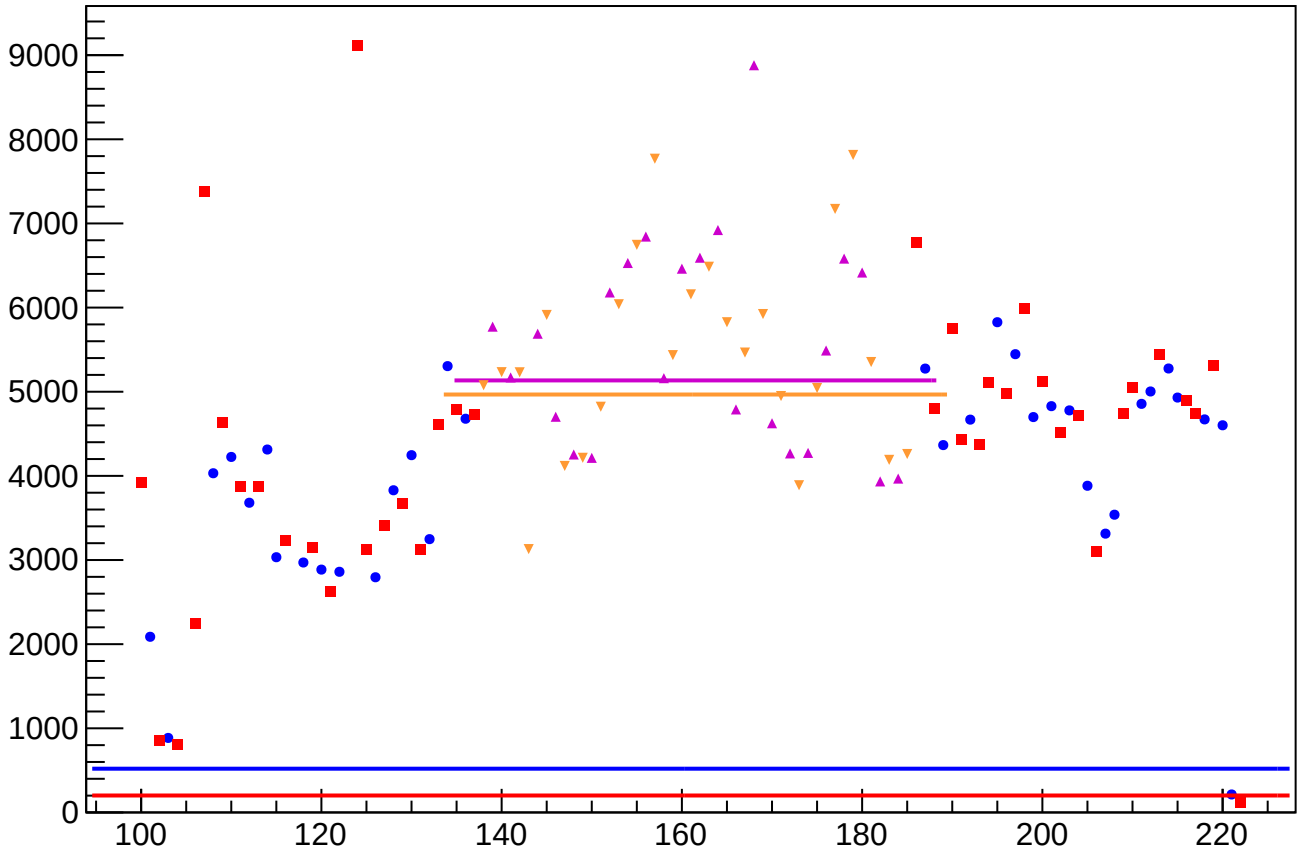
Right: 1681.280+/-0.182 χ^2/NDF: 1970398.4/70

In: 1721.073+/-0.193 χ^2/NDF:357294.4/56

Out: 1739.914+/-0.195 χ^2/NDF:1967917.6/60

All: 1730.400+/-0.137 χ^2/NDF: 2329909.2/11


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: -375.016+/-123.670 χ²/NDF: 56.1/37
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -258.358+/-110.487 χ²/NDF: 98.8/71
In: 180.711+/-241.146 χ²/NDF:51.9/56
Out: -383.598+/-122.978 χ²/NDF:89.1/62
All: -267.127+/-109.554 χ²/NDF: 145.3/119



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: 201.558+/-0.087 χ^2/NDF: 39130810.6/37

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

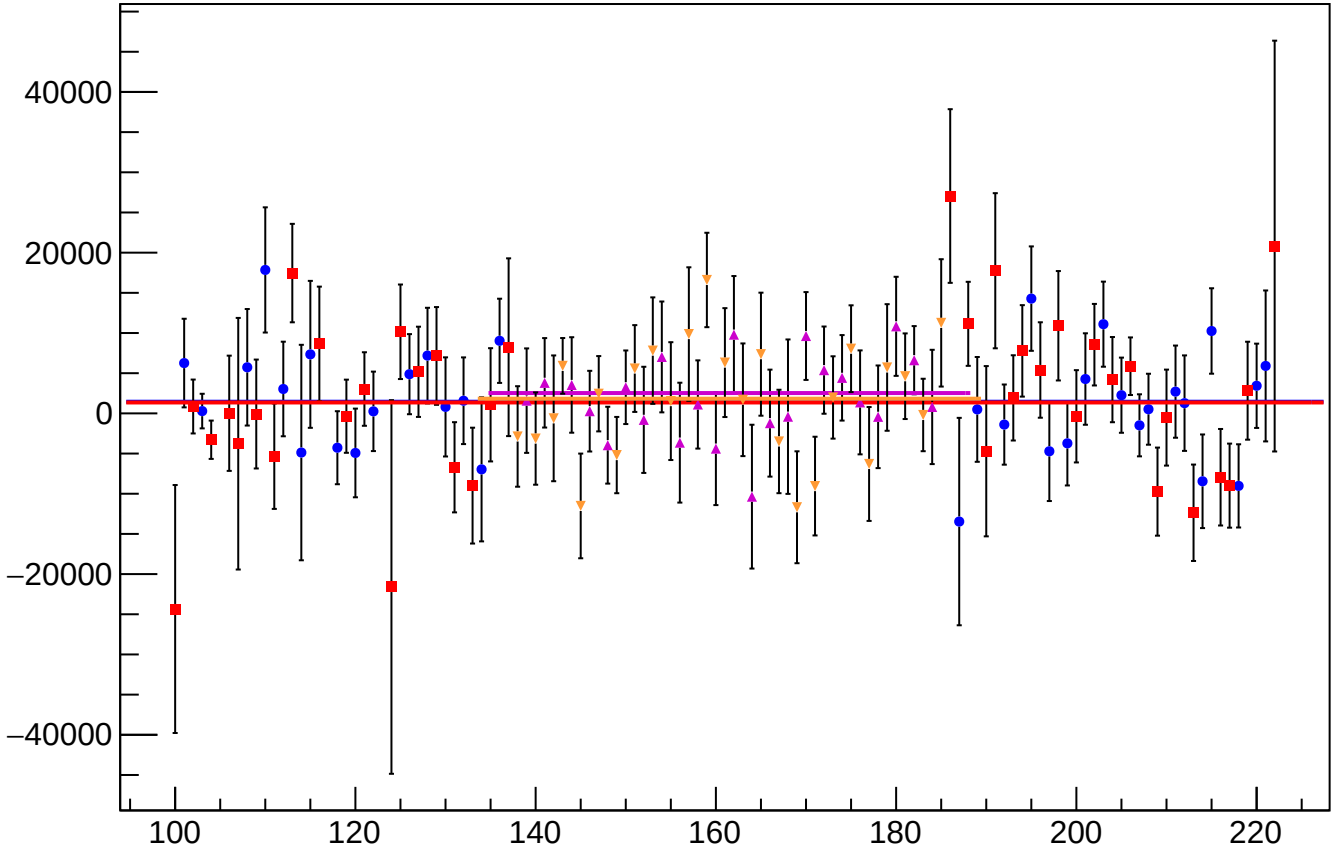
Right: 265.839+/-0.078 χ^2/NDF: 75467958.2/71

In: 697.783+/-0.171 χ^2/NDF:62268331.5/56

Out: 254.707+/-0.087 χ^2/NDF:74169149.9/62

All: 346.156+/-0.077 χ^2/NDF: 141795808.1/1

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: 1356.823+/-915.029 χ^2/NDF: 61.6/37

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

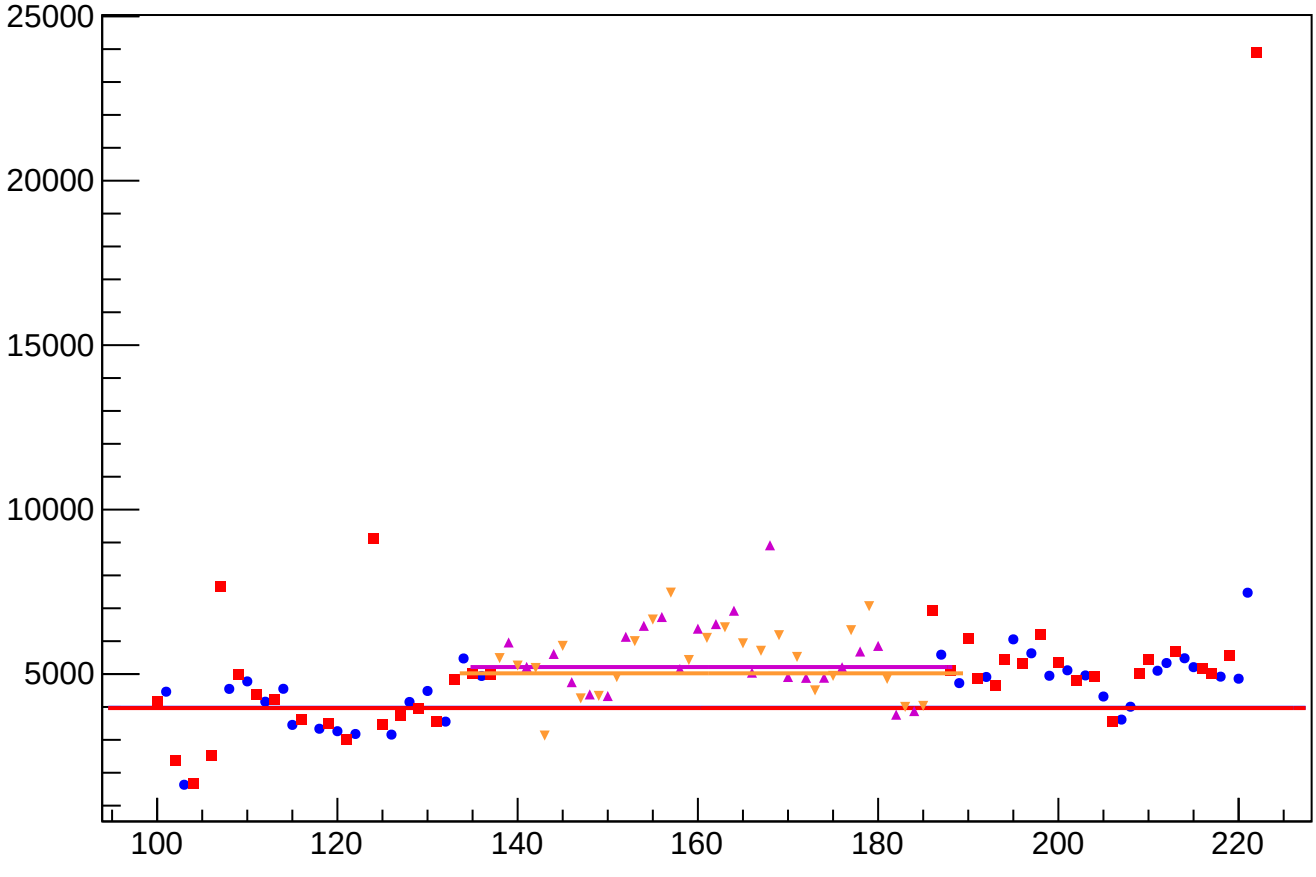
Right: 1404.119+/-642.820 χ^2/NDF: 97.4/71

In: 1823.559+/-730.508 χ^2/NDF:49.5/56

Out: 1534.491+/-721.354 χ^2/NDF:92.8/62

All: 1677.203+/-513.280 χ^2/NDF: 142.3/119

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: 3965.507+/-0.641 χ^2/NDF: 5932823.2/37

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

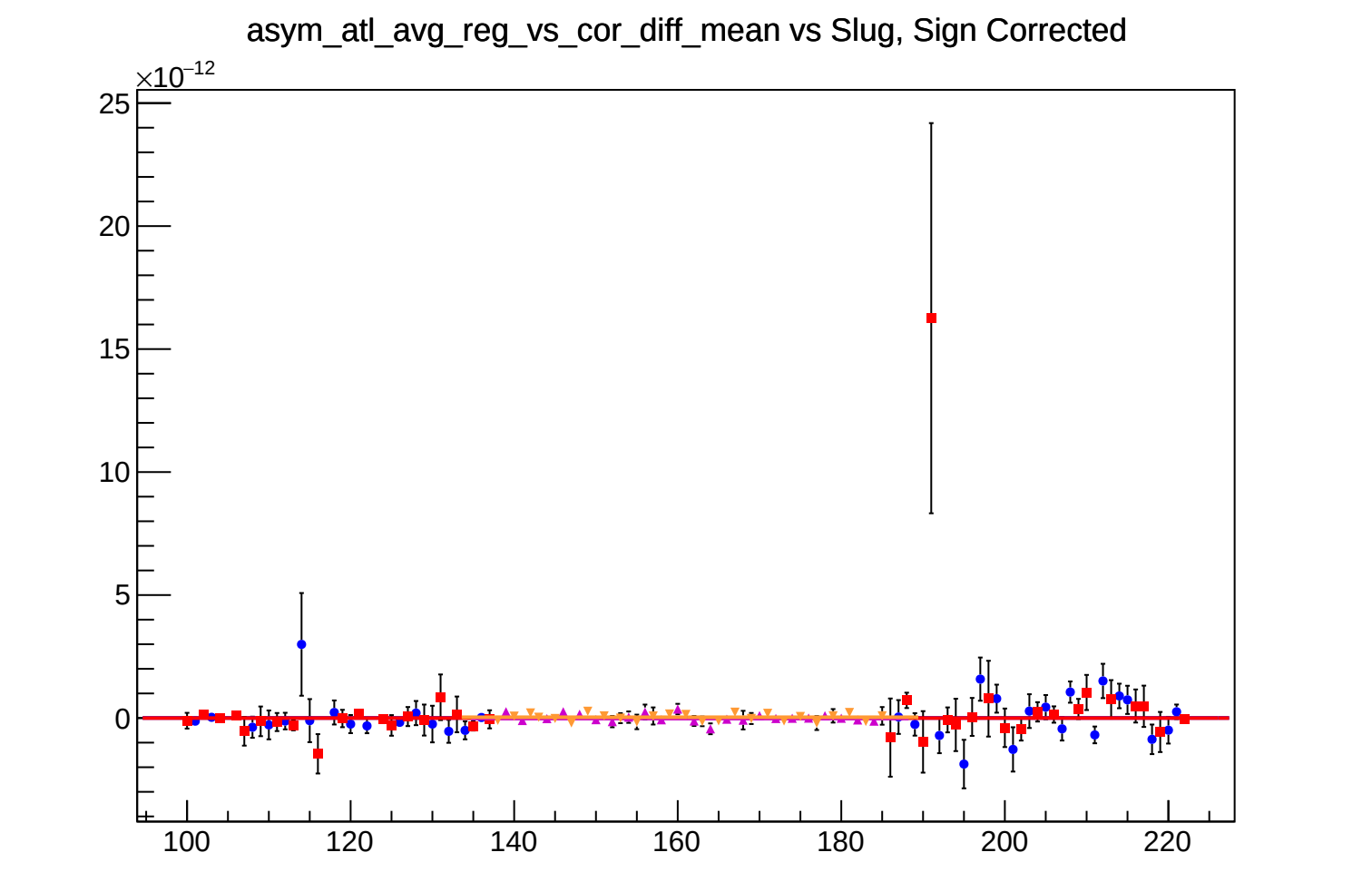
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3970.351+/-0.453 χ^2/NDF: 10234212.5/71

In: 4403.568+/-0.517 χ^2/NDF:6825120.2/56

Out: 4361.301+/-0.507 χ^2/NDF:8625978.1/62

All: 4382.054+/-0.362 χ^2/NDF: 15454506.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/37

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

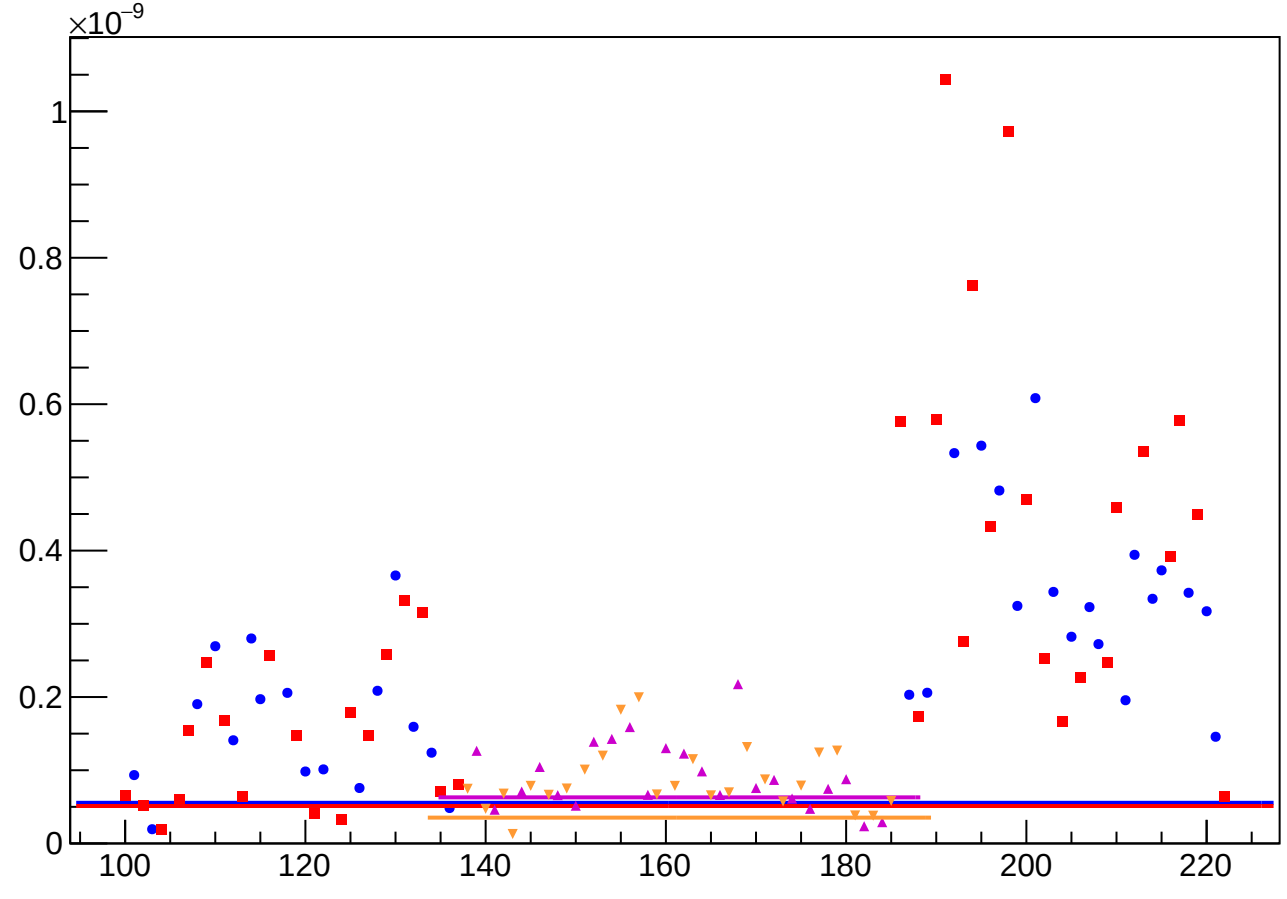
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 80.7/71

In: -0.000+/-0.000 χ^2/NDF:67.1/56

Out: 0.000+/-0.000 χ^2/NDF:58.8/62

All: 0.000+/-0.000 χ^2/NDF: 127.4/119



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: 11863602.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

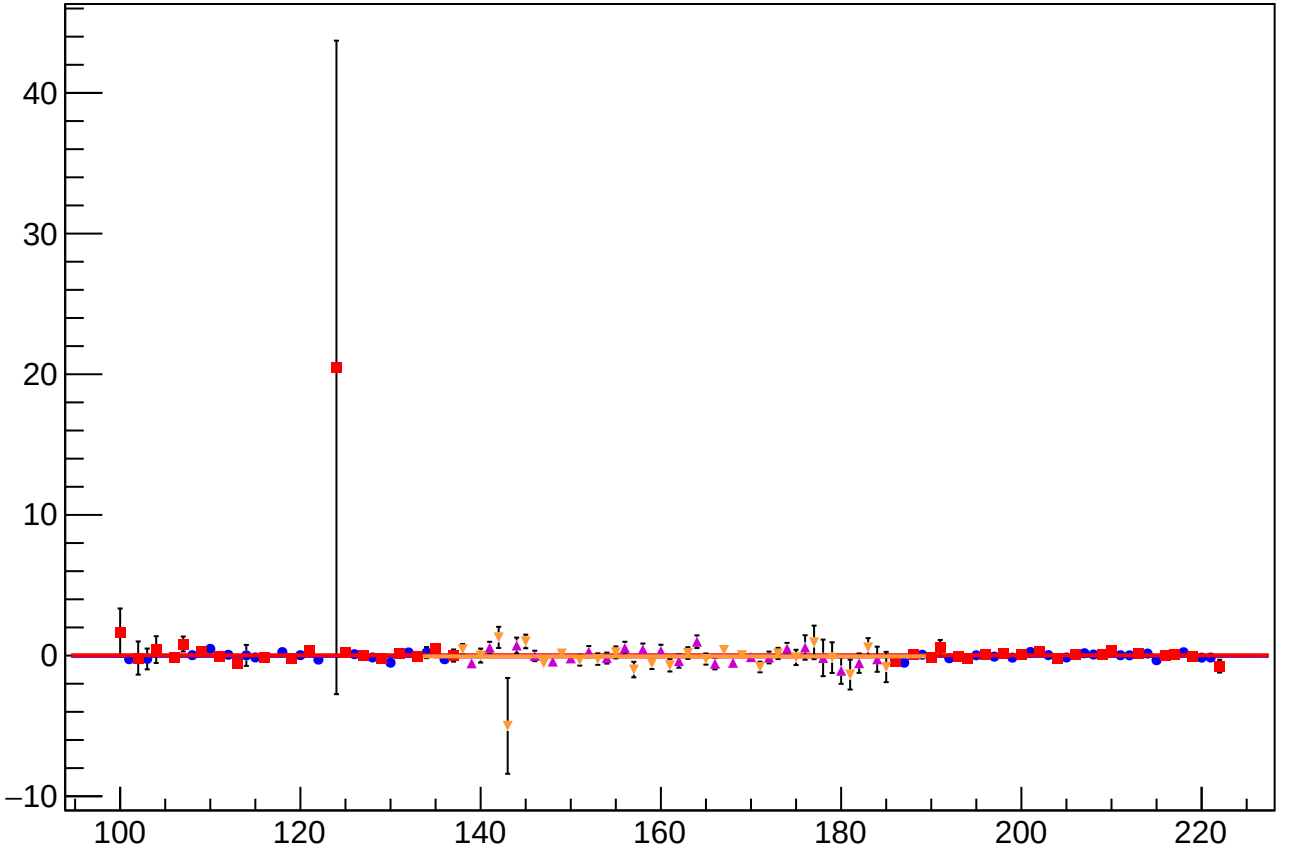
Right: 0.000+/-0.000 χ^2/NDF: 23703111.5/71

In: 0.000+/-0.000 χ^2/NDF:14815423.4/56

Out: 0.000+/-0.000 χ^2/NDF:18764777.6/62

All: 0.000+/-0.000 χ^2/NDF: 34786855.5/119

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.018+/-0.030 χ^2/NDF: 40.3/37

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

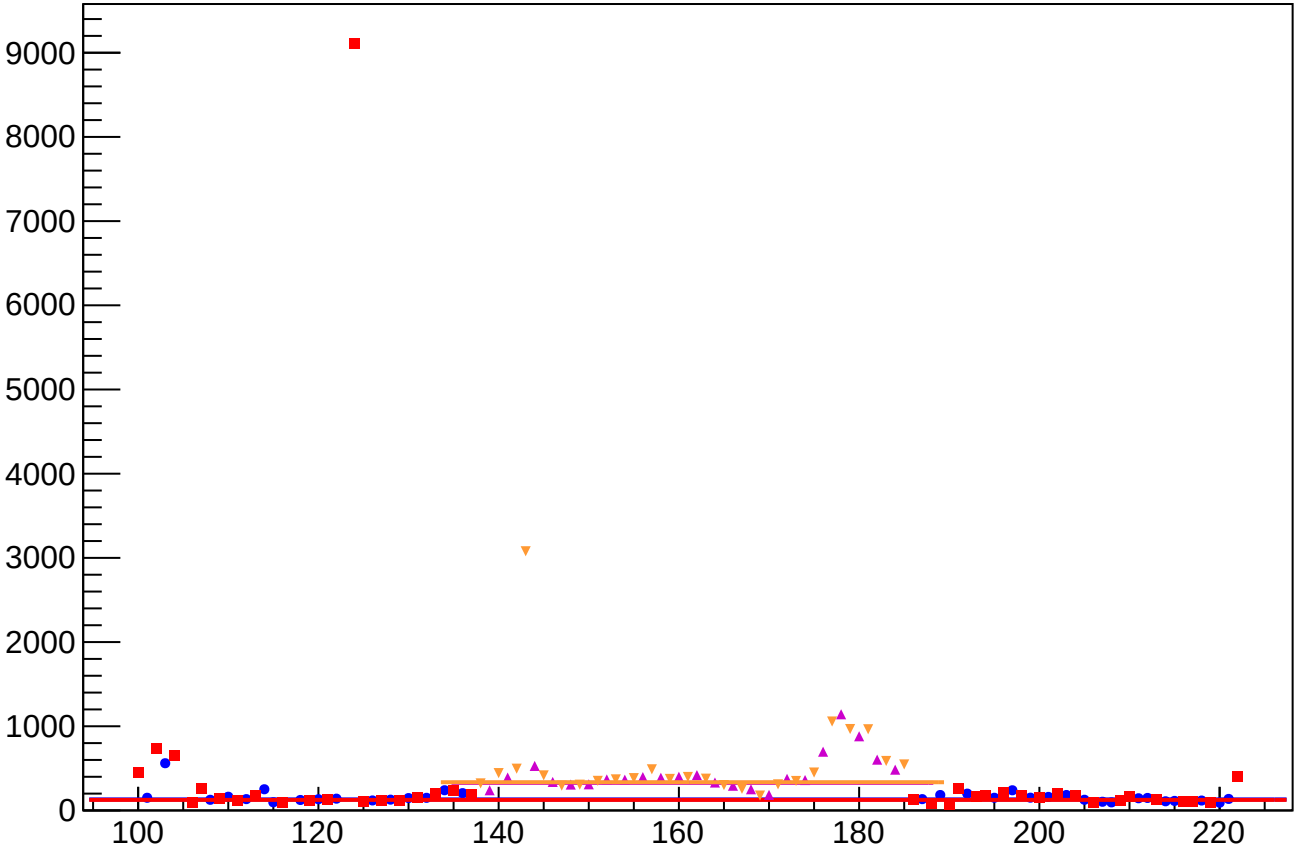
Right: 0.001+/-0.021 χ^2/NDF: 82.6/71

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.010+/-0.028 χ^2/NDF:74.0/62

All: -0.006+/-0.020 χ^2/NDF: 144.6/119

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 131.164+/-0.022 χ^2/NDF: 2832479.3/33

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 125.487+/-0.021 χ^2/NDF: 5257530.7/37

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

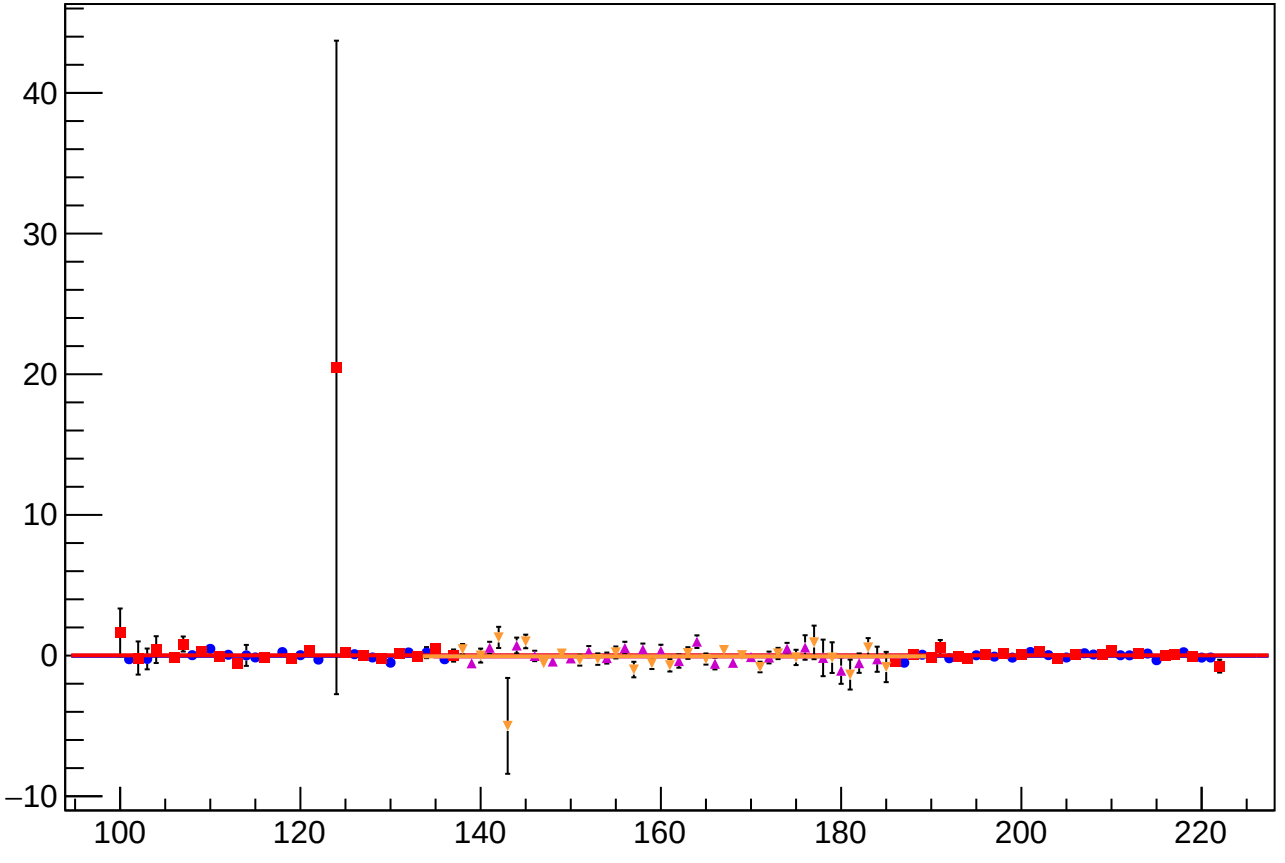
Right: 128.278+/-0.015 χ^2/NDF: 8125309.0/71

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 148.852+/-0.020 χ^2/NDF:22023748.6/62

All: 151.698+/-0.014 χ^2/NDF: 38974915.5/11

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: 0.018+/-0.030 χ^2/NDF: 40.3/37

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

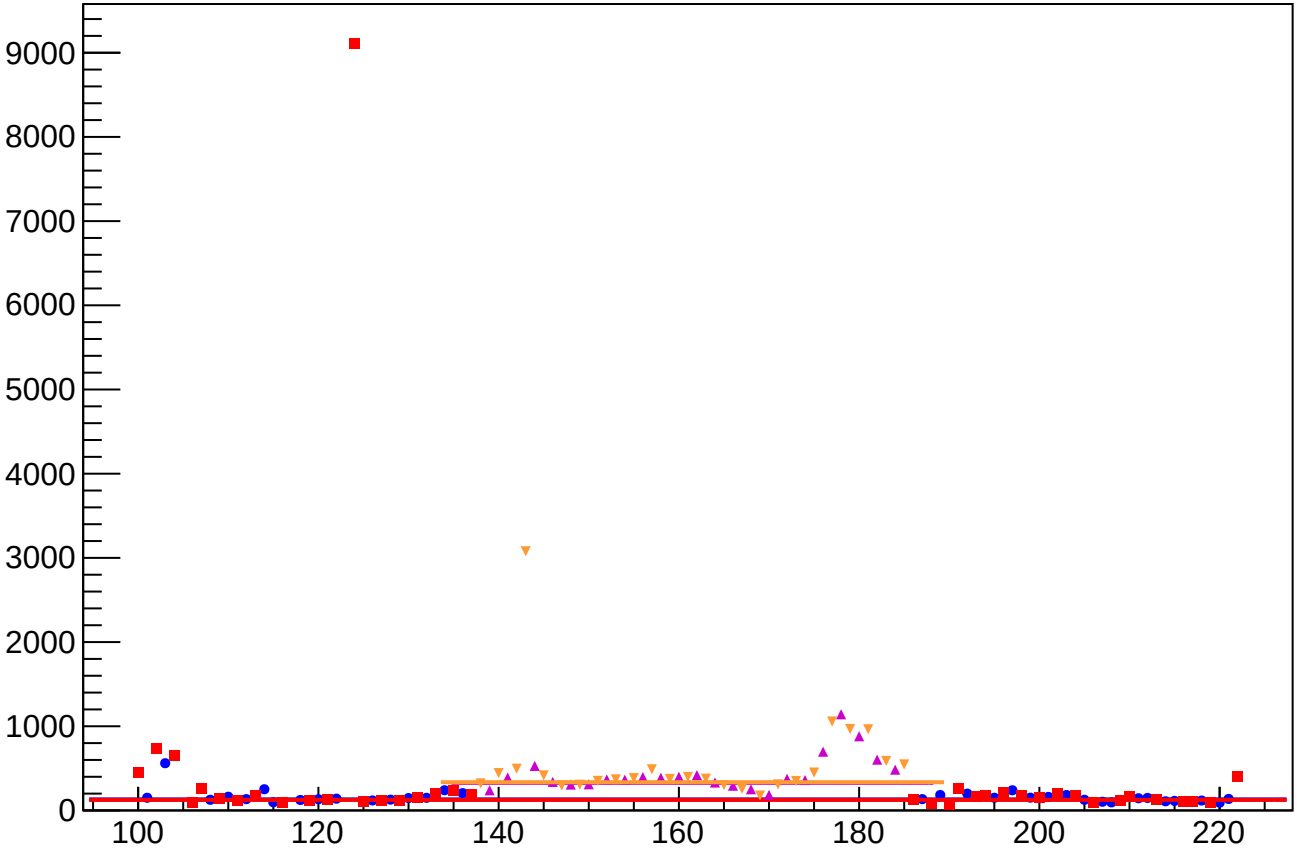
Right: 0.001+/-0.021 χ^2/NDF: 82.6/71

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.010+/-0.028 χ^2/NDF:74.0/62

All: -0.006+/-0.020 χ^2/NDF: 144.6/119

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: 125.487+/-0.021 χ^2/NDF: 5257530.7/37

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

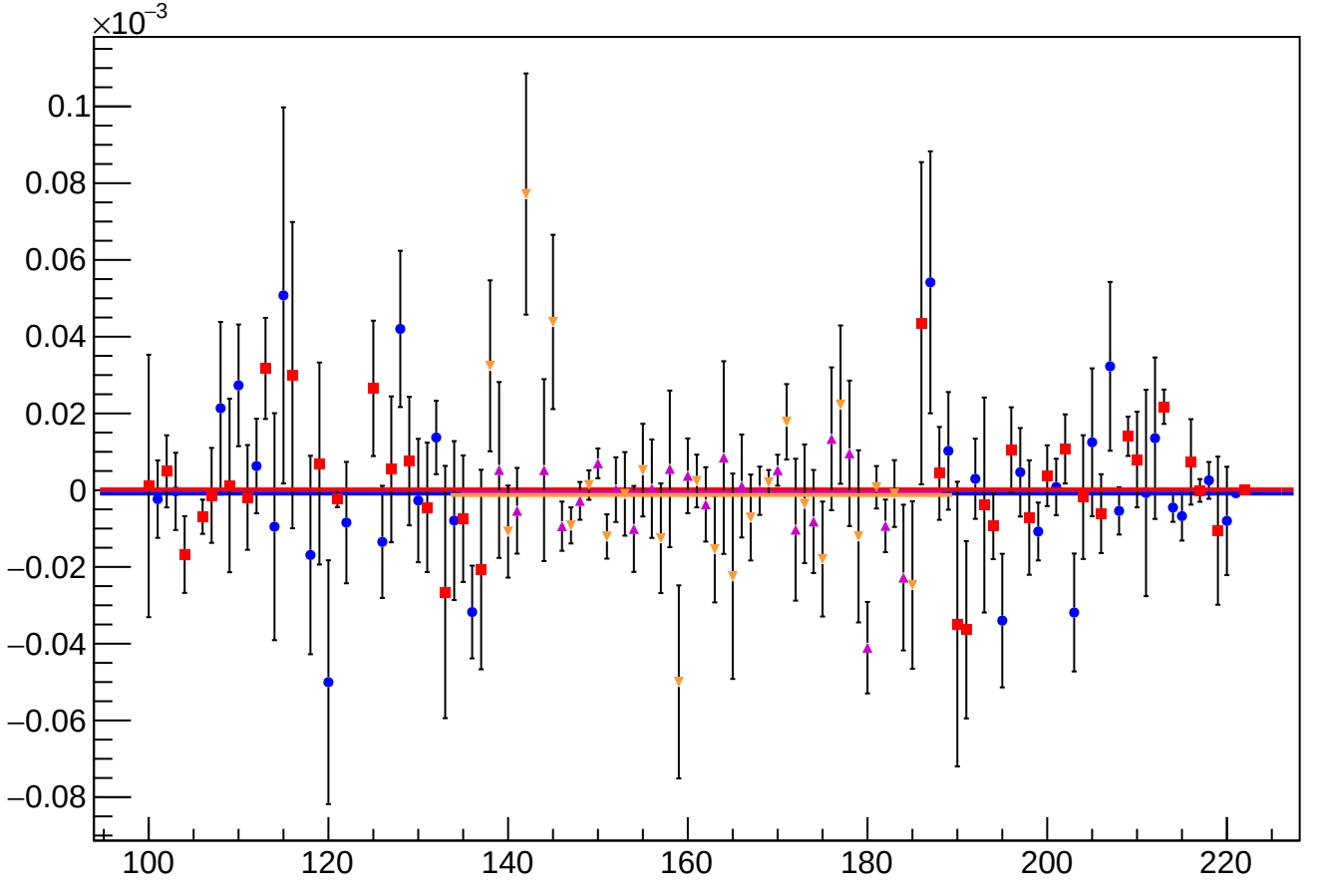
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 128.278+/-0.015 χ^2/NDF: 8125309.0/71

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 148.852+/-0.020 χ^2/NDF:22023748.6/62

All: 151.698+/-0.014 χ^2/NDF: 38974915.5/11



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: 58.2/36

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

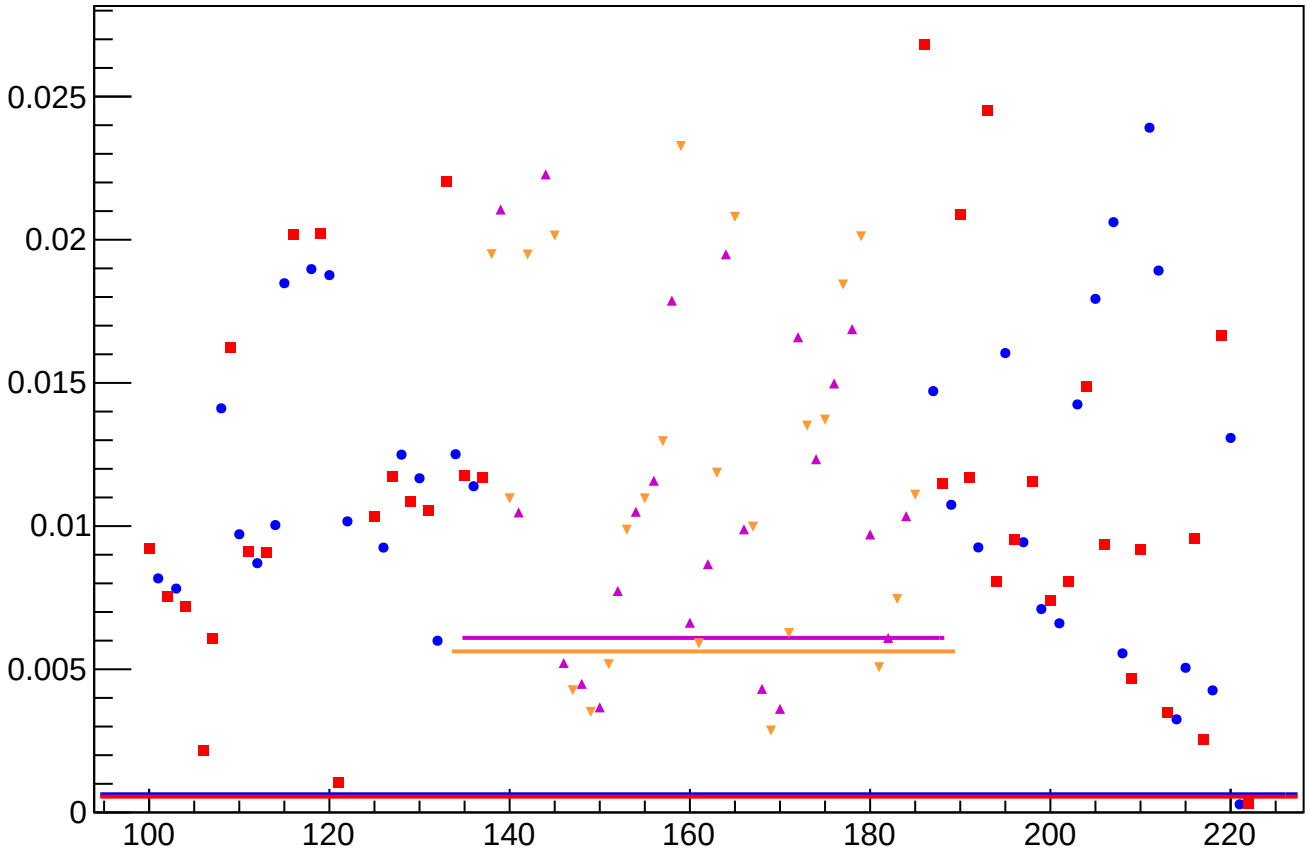
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 104.7/70

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: 0.000+/-0.000 χ^2/NDF:94.7/60

All: -0.000+/-0.000 χ^2/NDF: 166.3/117



Right In: 0.001+/-0.000 χ^2/NDF: 35634593.0/33

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 34625135.3/36

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

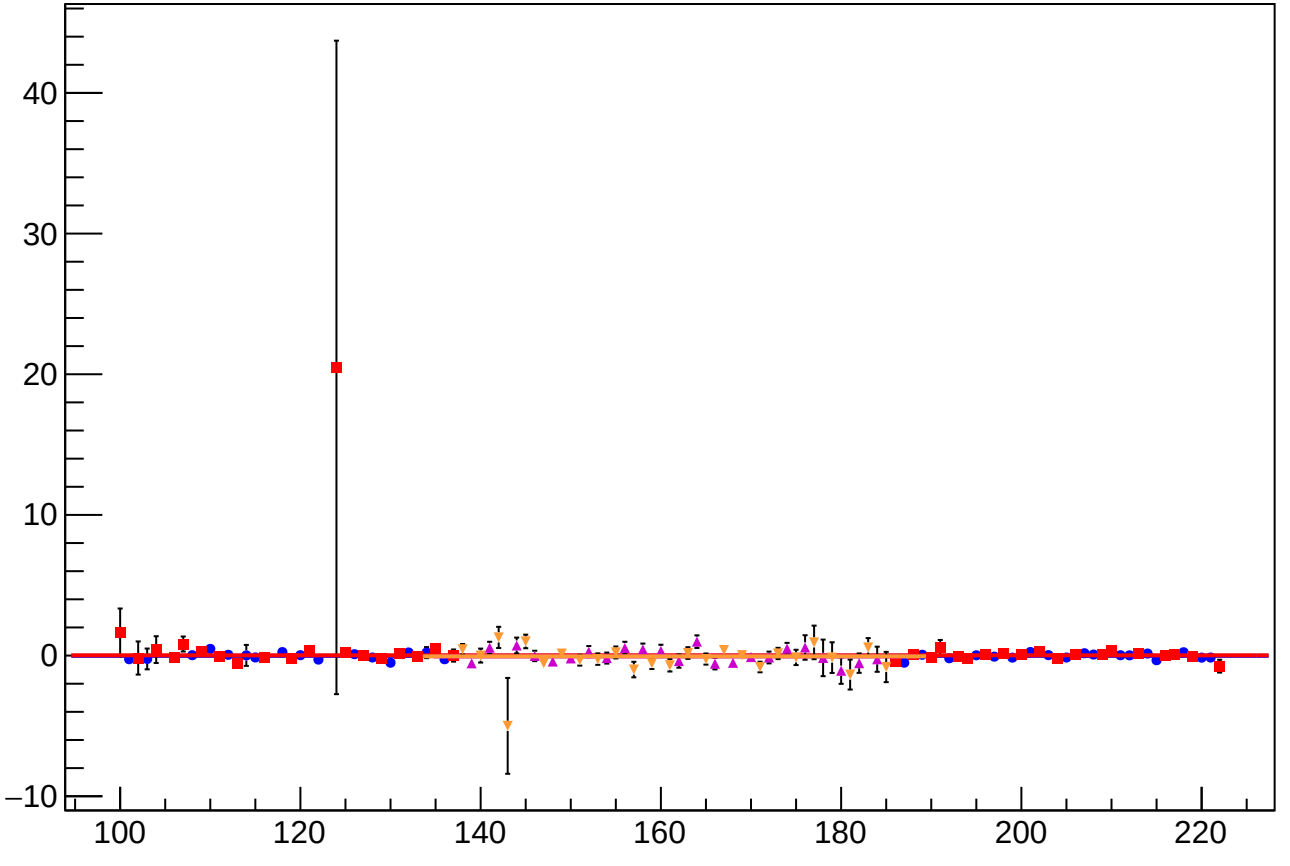
Right: 0.001+/-0.000 χ^2/NDF: 70309491.3/70

In: 0.001+/-0.000 χ^2/NDF:63328418.3/56

Out: 0.001+/-0.000 χ^2/NDF:64716953.4/60

All: 0.001+/-0.000 χ^2/NDF: 128289137.7/117

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: 0.018+/-0.030 χ^2/NDF: 40.3/37

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

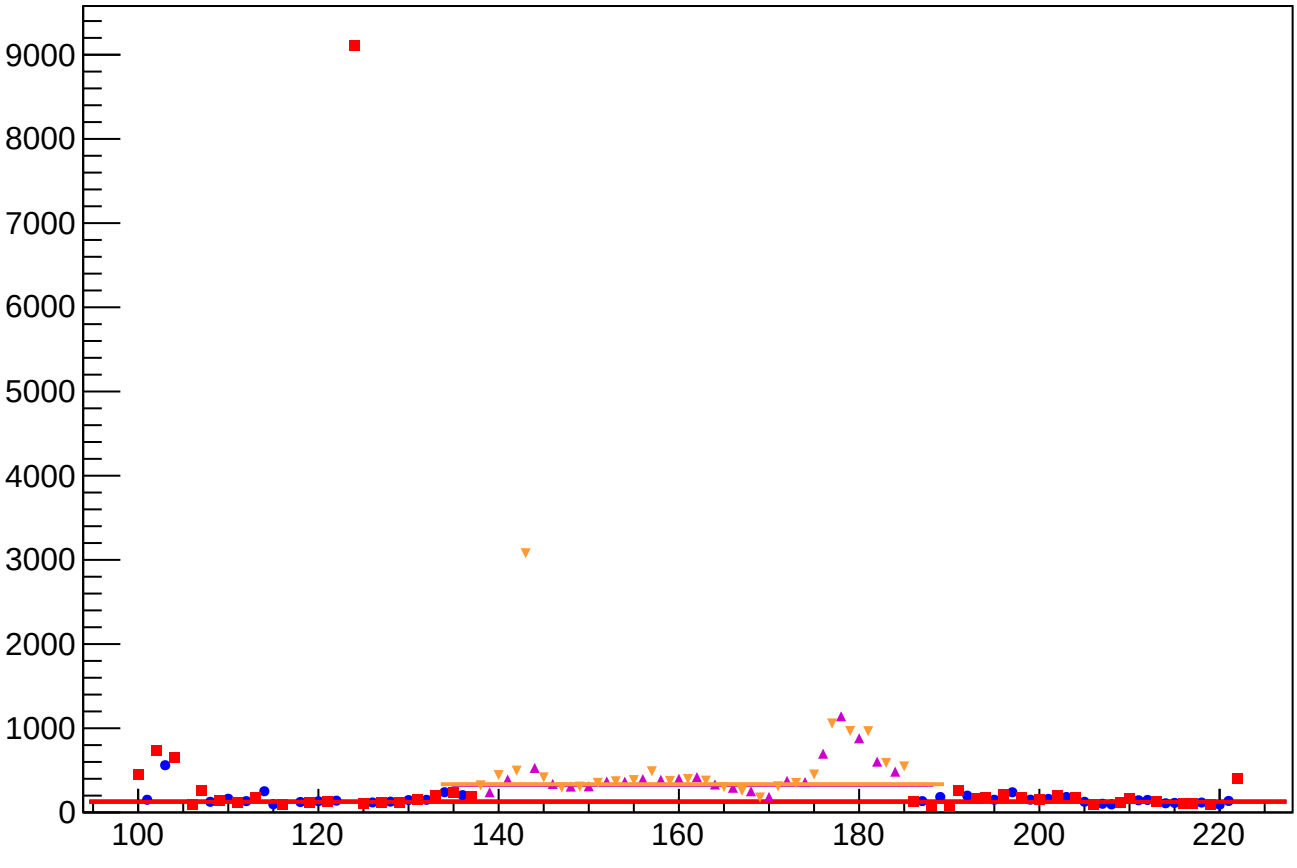
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.001+/-0.021 χ^2/NDF: 82.6/71

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.010+/-0.028 χ^2/NDF:74.0/62

All: -0.006+/-0.020 χ^2/NDF: 144.6/119



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: 125.484+/-0.021 χ^2/NDF: 5257683.8/37

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

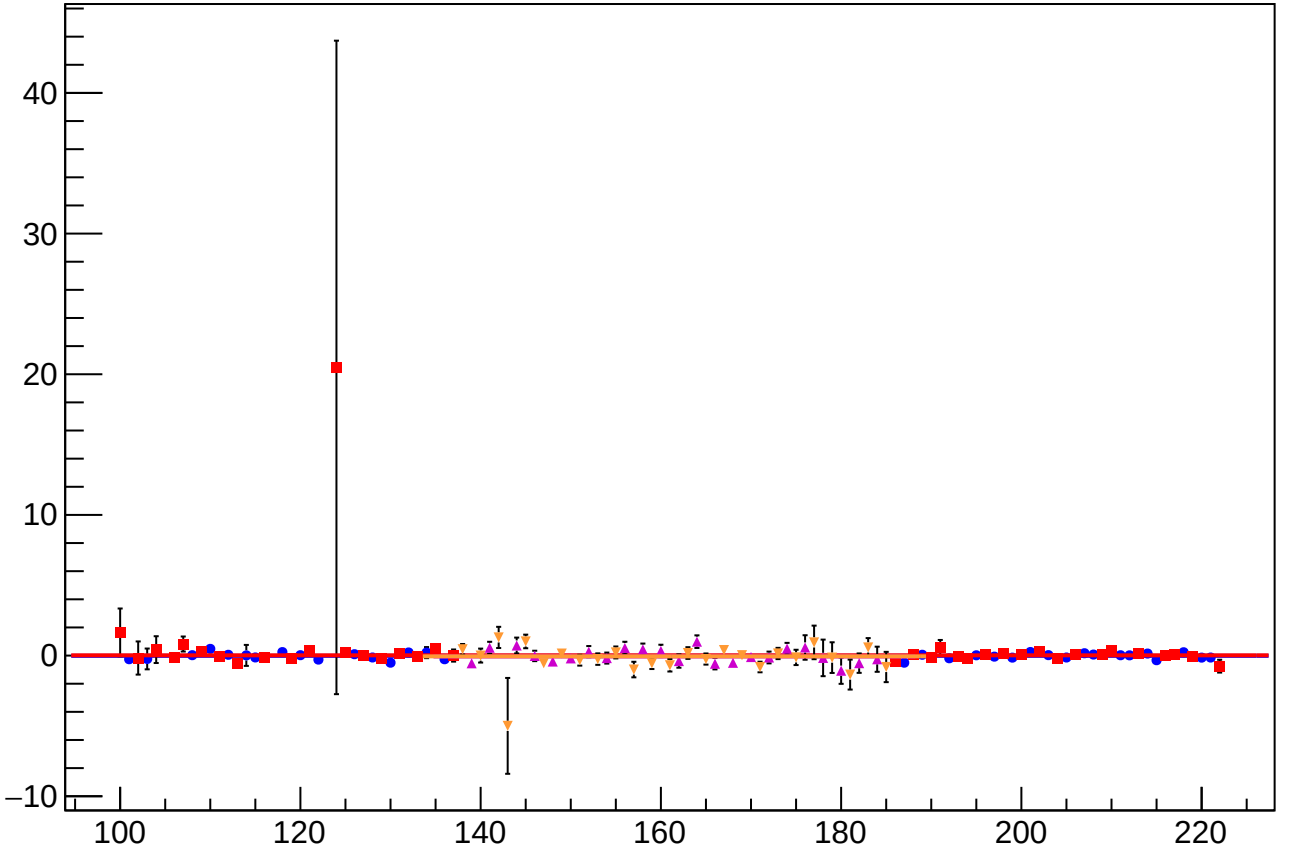
Right: 128.276+/-0.015 χ^2/NDF: 8125627.5/71

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 148.849+/-0.020 χ^2/NDF:22024316.9/62

All: 151.695+/-0.014 χ^2/NDF: 38976063.4/11

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: 0.018+/-0.030 χ^2/NDF: 40.3/37

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

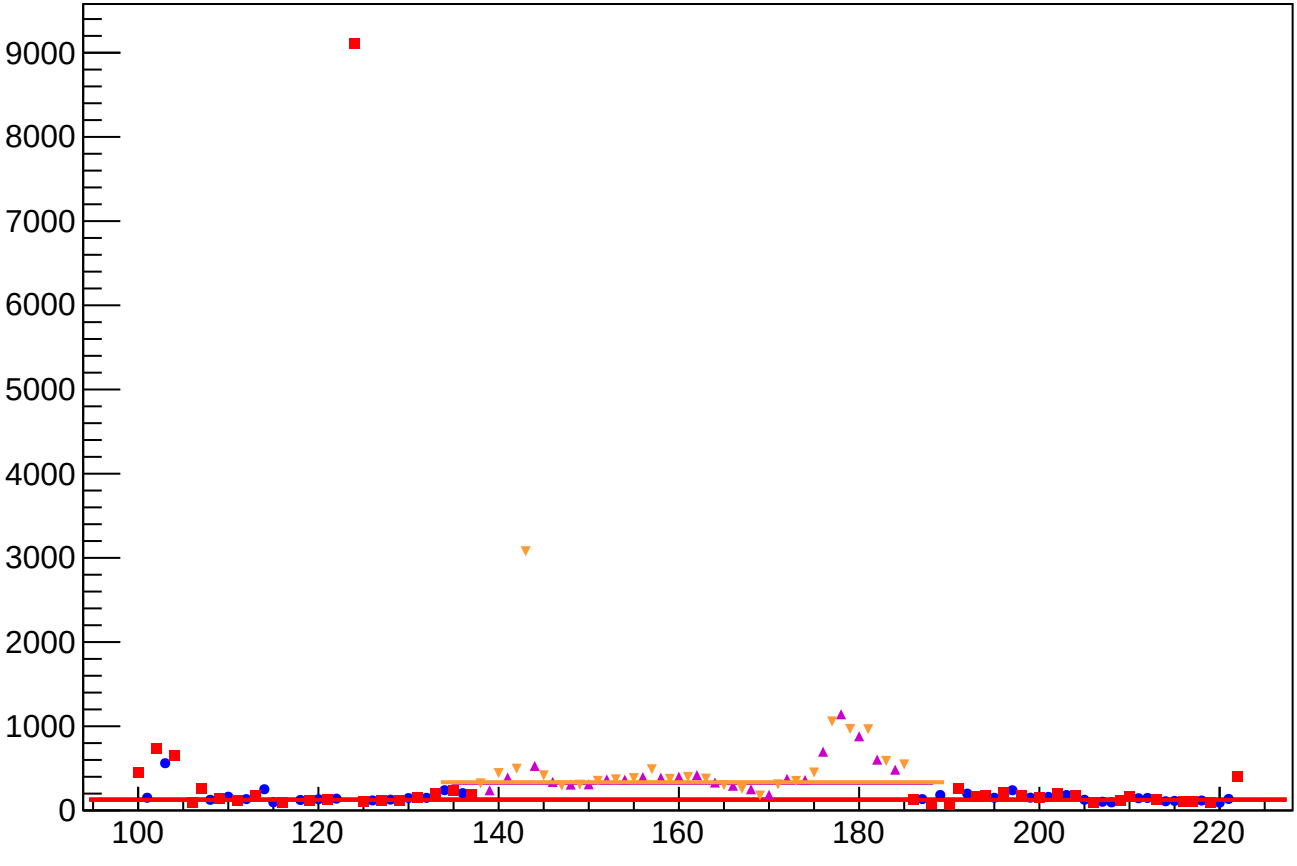
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.001+/-0.021 χ^2/NDF: 82.6/71

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.010+/-0.028 χ^2/NDF:74.0/62

All: -0.006+/-0.020 χ^2/NDF: 144.6/119



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: 125.484+/-0.021 χ^2/NDF: 5257683.8/37

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

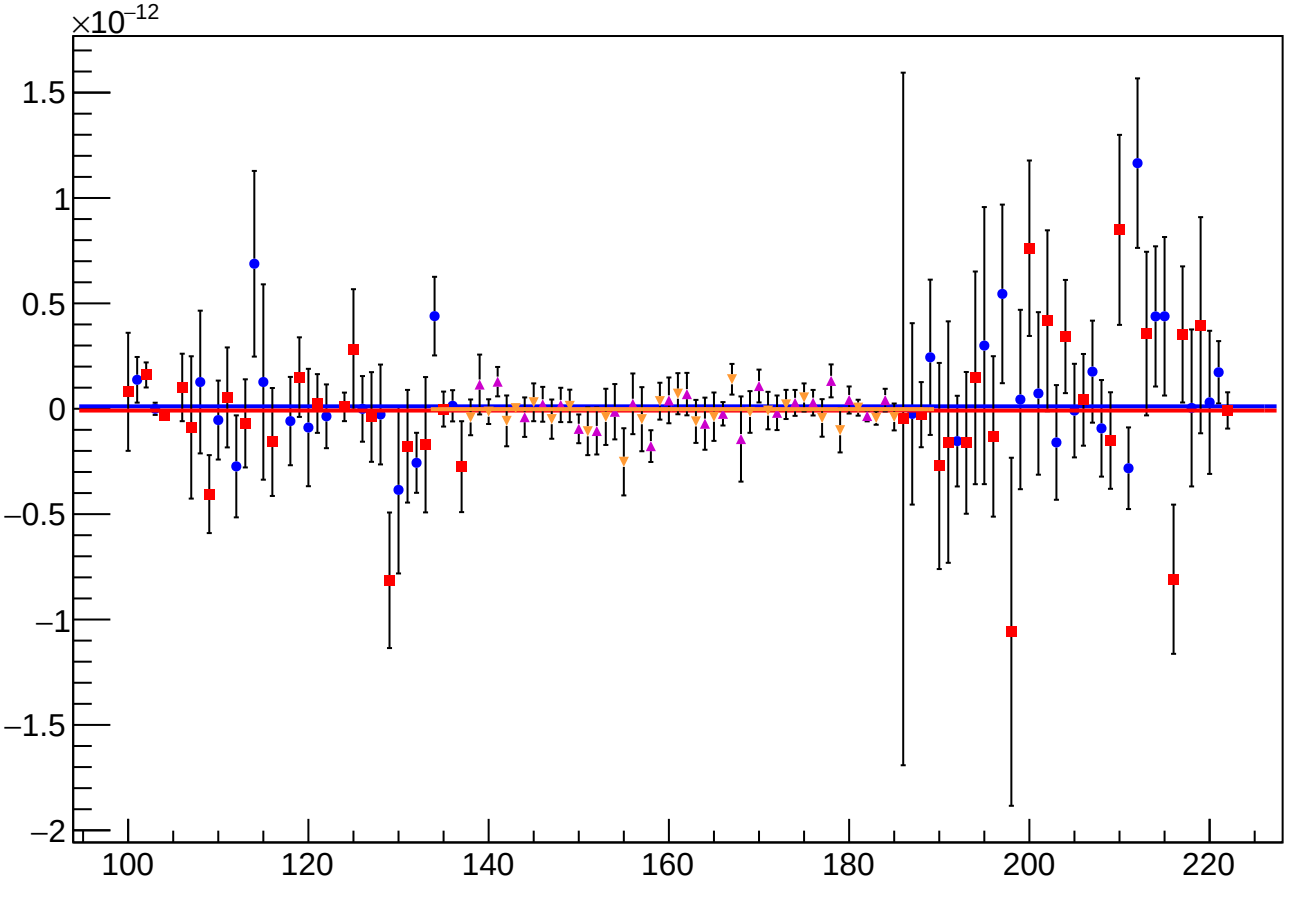
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 128.276+/-0.015 χ^2/NDF: 8125627.5/71

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 148.849+/-0.020 χ^2/NDF:22024316.9/62

All: 151.695+/-0.014 χ^2/NDF: 38976063.4/11



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: 45.6/37

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

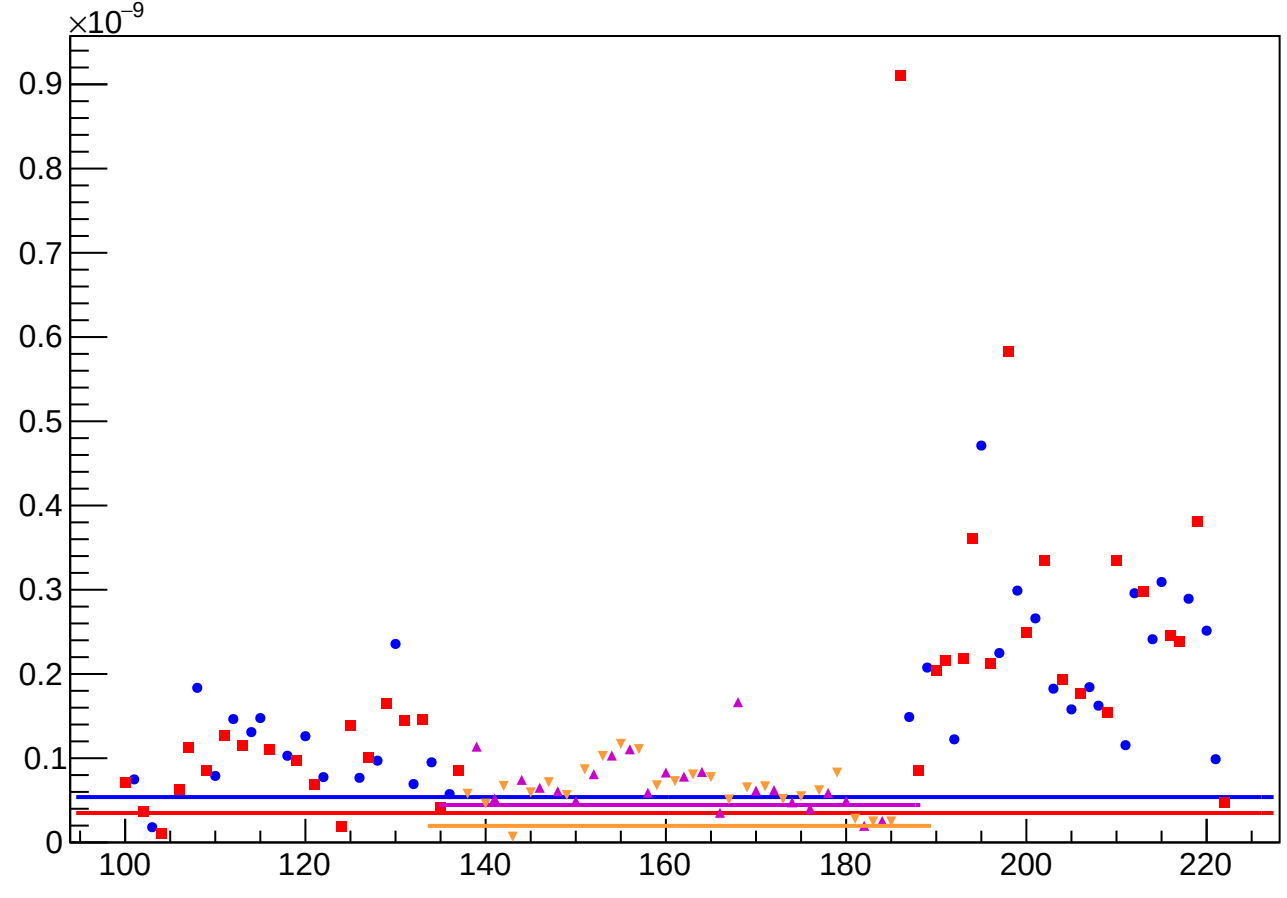
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 80.4/71

In: 0.000+/-0.000 χ^2/NDF:57.0/56

Out: -0.000+/-0.000 χ^2/NDF:59.3/62

All: -0.000+/-0.000 χ^2/NDF: 116.5/119



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: 17099567.4/37

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

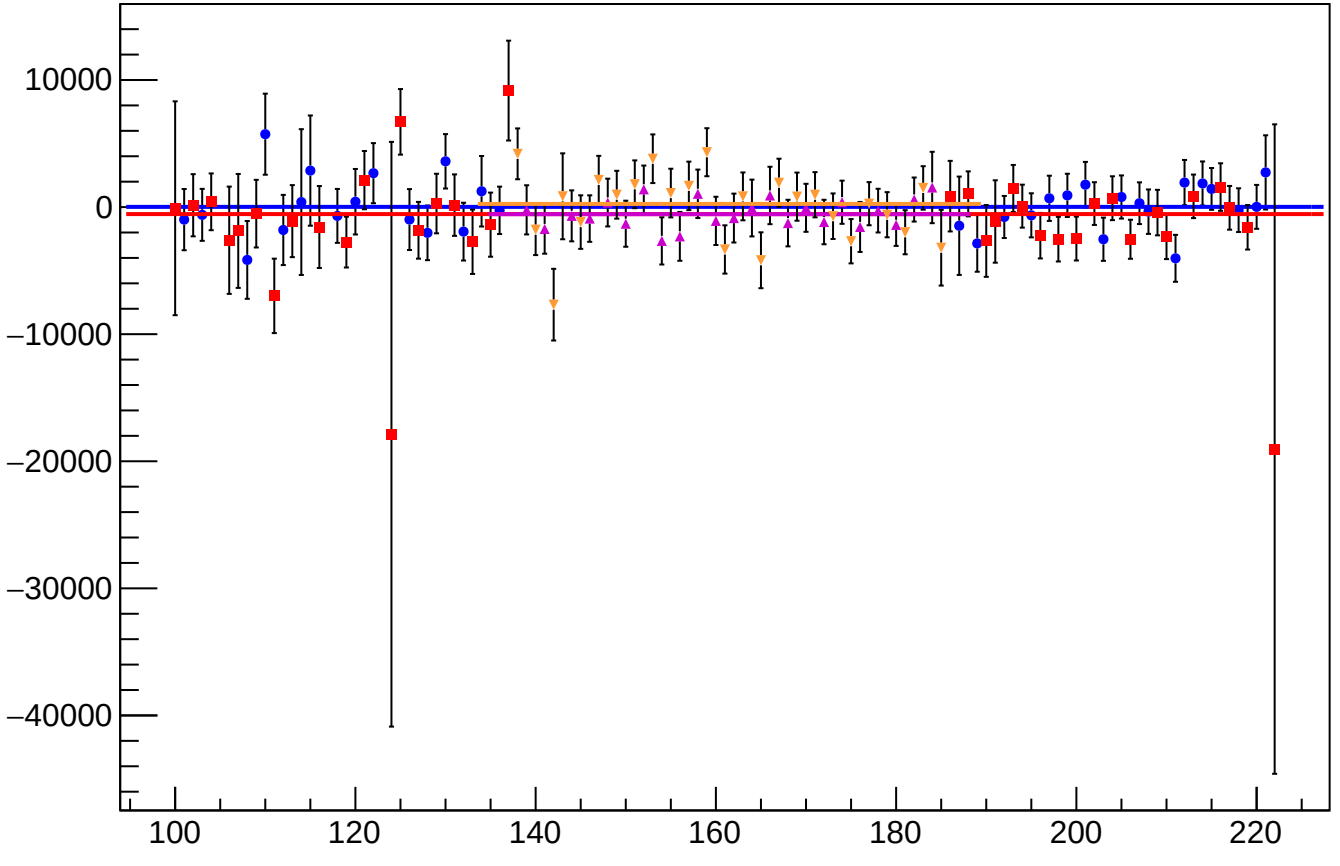
Right: 0.000+/-0.000 χ^2/NDF: 31932452.3/71

In: 0.000+/-0.000 χ^2/NDF:20127326.0/56

Out: 0.000+/-0.000 χ^2/NDF:33212677.2/62

All: 0.000+/-0.000 χ^2/NDF: 59424469.4/119

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: -550.227+/-357.854 χ^2/NDF: 36.9/37

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

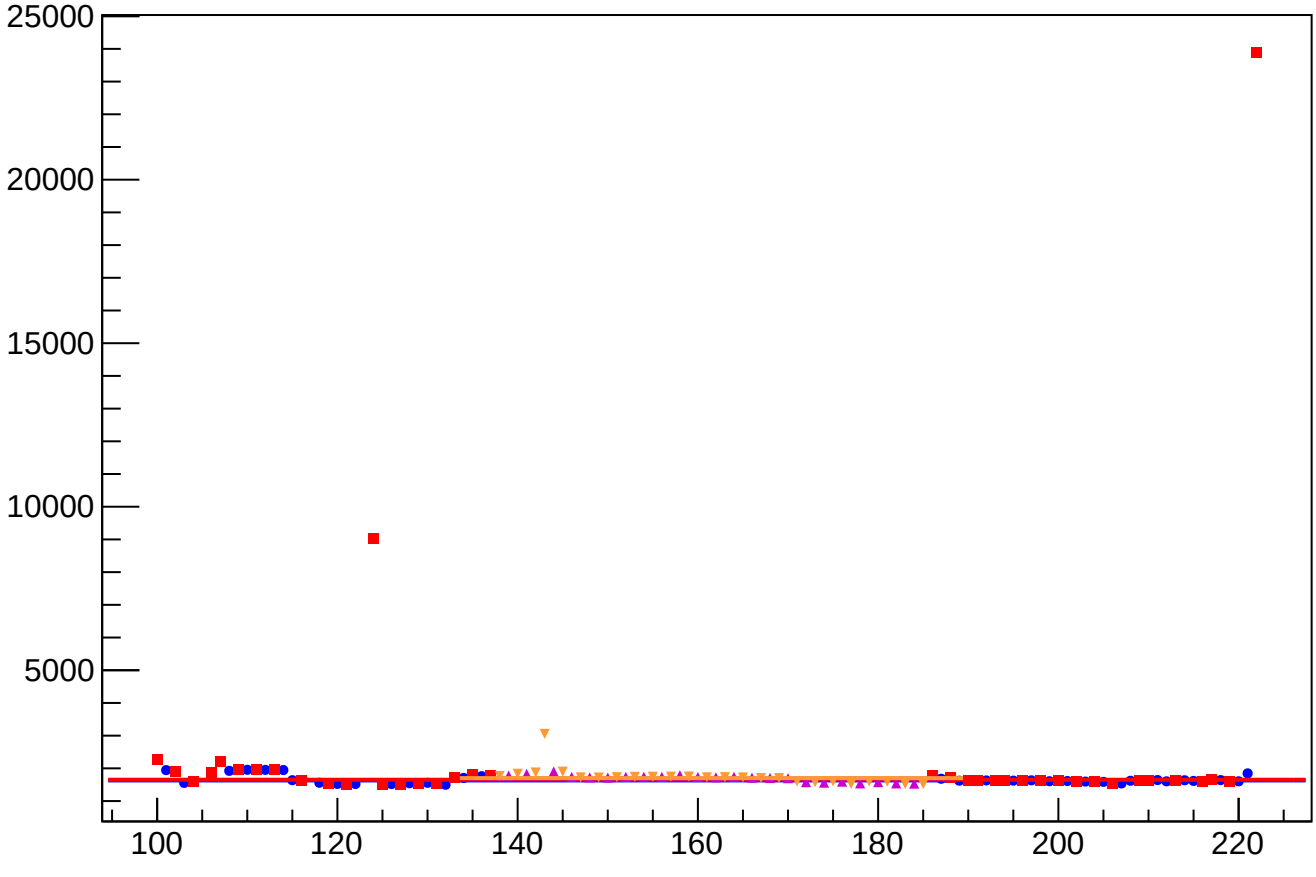
Right: -262.603+/-251.249 χ^2/NDF: 65.4/71

In: -238.982+/-263.176 χ^2/NDF:35.9/56

Out: -184.060+/-263.311 χ^2/NDF:78.7/62

All: -211.535+/-186.141 χ^2/NDF: 114.7/119

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: 1652.135+/-0.253 χ^2/NDF: 1940746.0/37

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

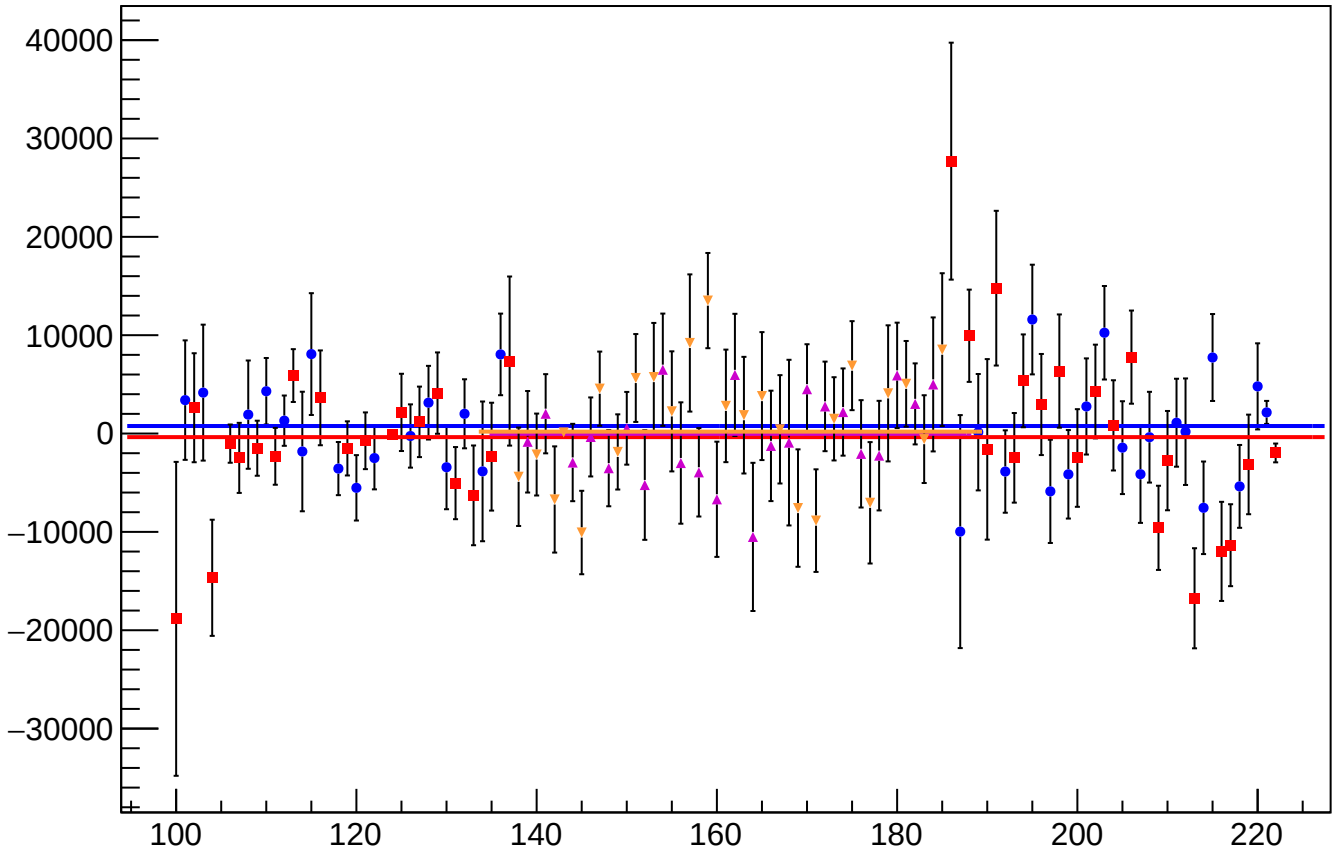
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.392+/-0.178 χ^2/NDF: 2113689.3/71

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1674.775+/-0.186 χ^2/NDF:2410660.7/62

All: 1665.790+/-0.132 χ^2/NDF: 2731277.6/11



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: -364.351+/-297.162 χ^2/NDF: 73.6/37

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

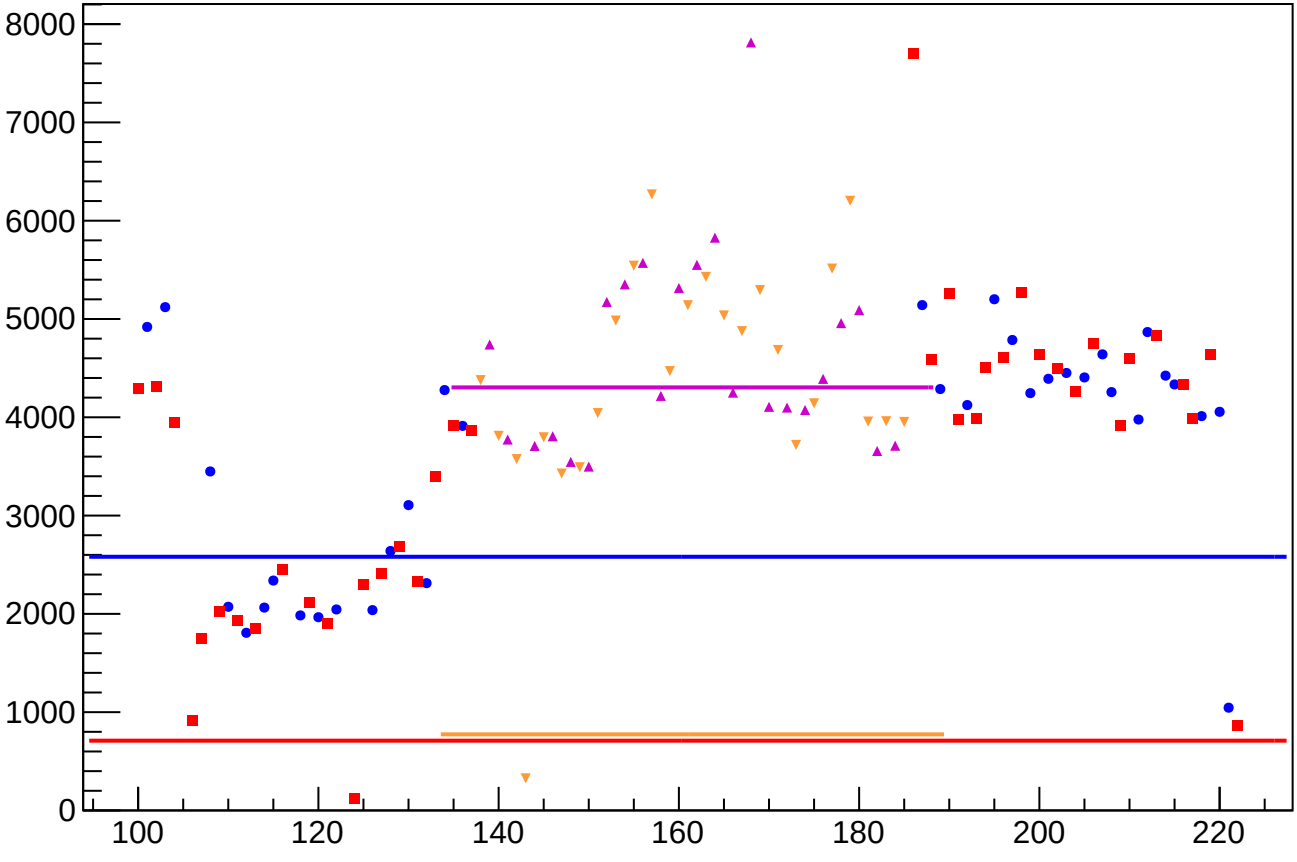
Right: -157.996+/-268.630 χ^2/NDF: 115.7/71

In: 547.951+/-535.722 χ^2/NDF:53.2/56

Out: -125.269+/-224.633 χ^2/NDF:109.0/62

All: -24.603+/-207.159 χ^2/NDF: 163.6/119

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2580.803+/-0.444 χ^2/NDF: 9680338.3/33

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 709.943+/-0.210 χ^2/NDF: 32601391.6/37

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

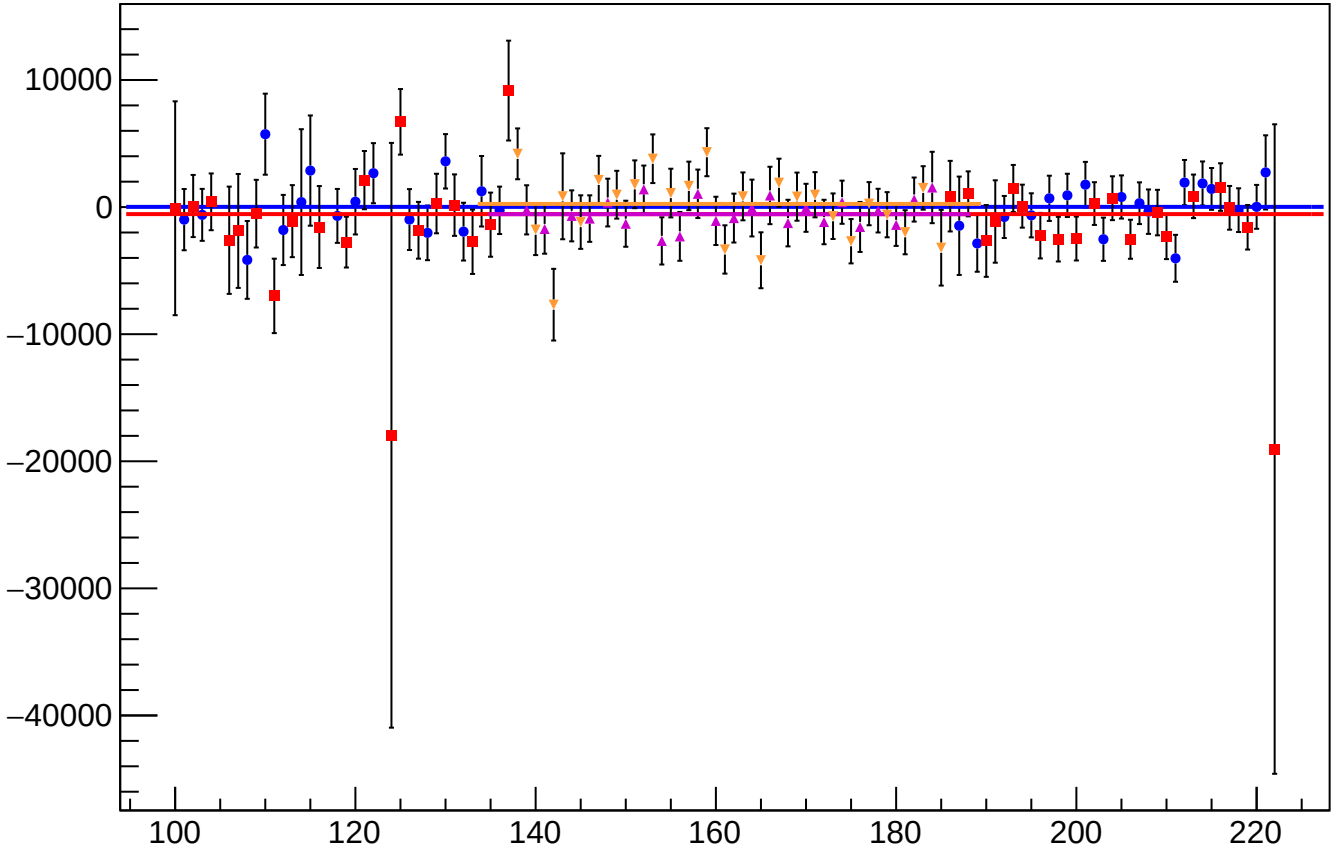
Right: 1051.966+/-0.190 χ^2/NDF: 56774106.1/71

In: 3051.087+/-0.379 χ^2/NDF:15003063.0/56

Out: 737.495+/-0.159 χ^2/NDF:60727097.3/62

All: 1083.446+/-0.146 χ^2/NDF: 107453829.7

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: -551.604+/-357.855 χ^2/NDF: 36.8/37

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

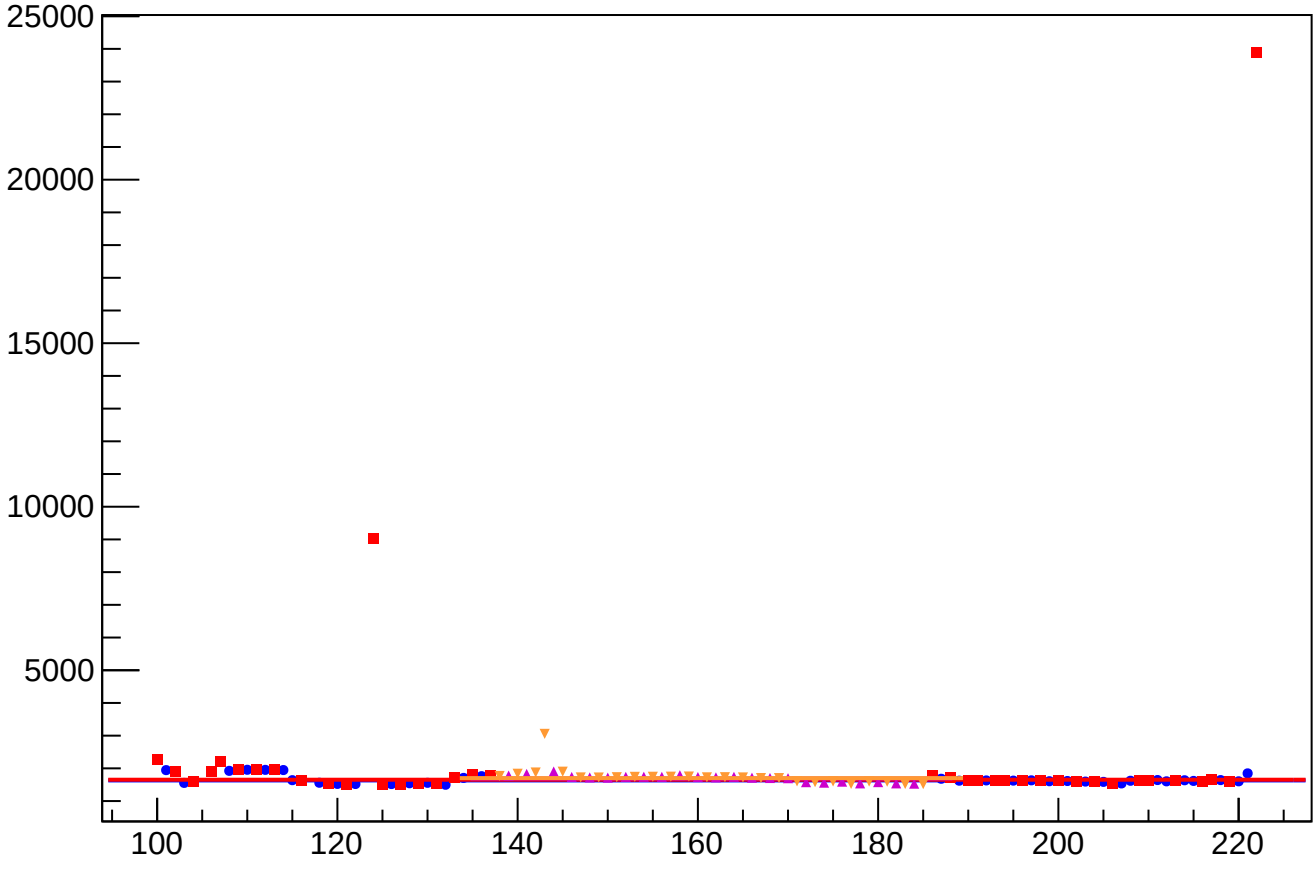
Right: -263.260+/-251.249 χ^2/NDF: 65.4/71

In: -238.943+/-263.176 χ^2/NDF:35.9/56

Out: -184.813+/-263.312 χ^2/NDF:78.7/62

All: -211.892+/-186.141 χ^2/NDF: 114.7/119

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: 1652.376+/-0.253 χ^2/NDF: 1942844.1/37

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

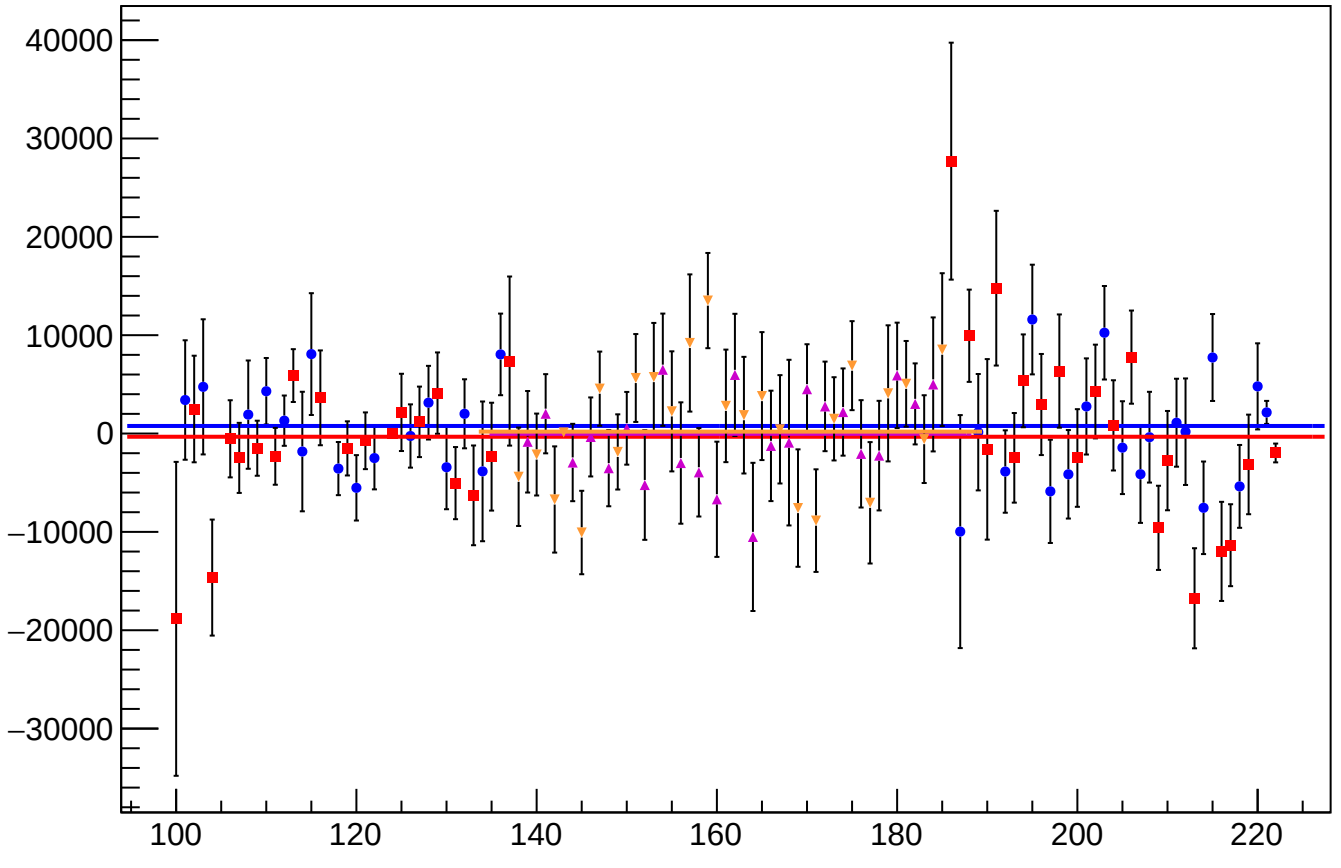
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.509+/-0.178 χ^2/NDF: 2115868.4/71

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1674.909+/-0.186 χ^2/NDF:2412585.8/62

All: 1665.857+/-0.132 χ^2/NDF: 2733272.4/11



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: -326.404+/-290.977 χ^2/NDF: 73.6/37

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

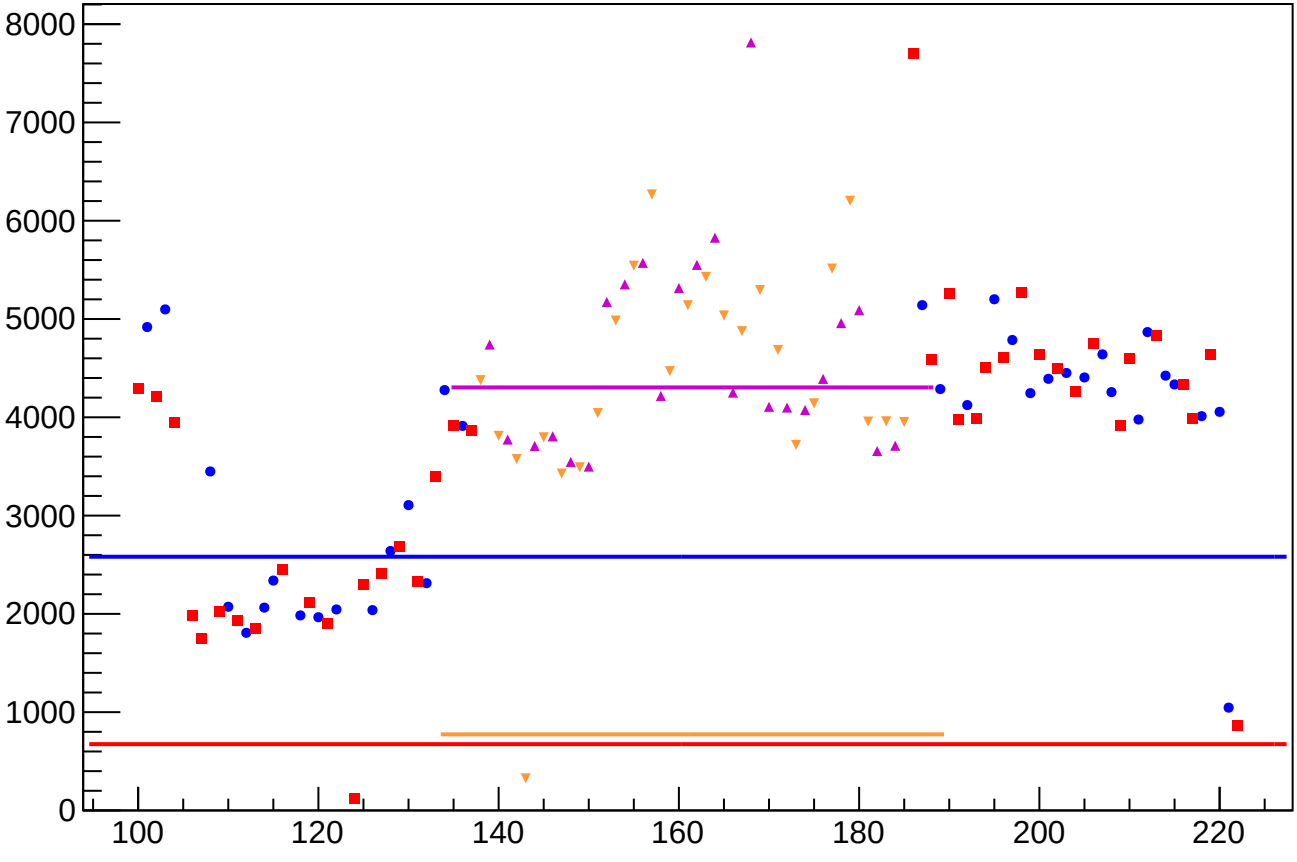
Right: -132.855+/-264.037 χ^2/NDF: 115.7/71

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -108.734+/-221.919 χ^2/NDF:108.8/62

All: -12.014+/-205.026 χ^2/NDF: 163.4/119

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: 674.543+/-0.206 χ^2/NDF: 33333954.9/37

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

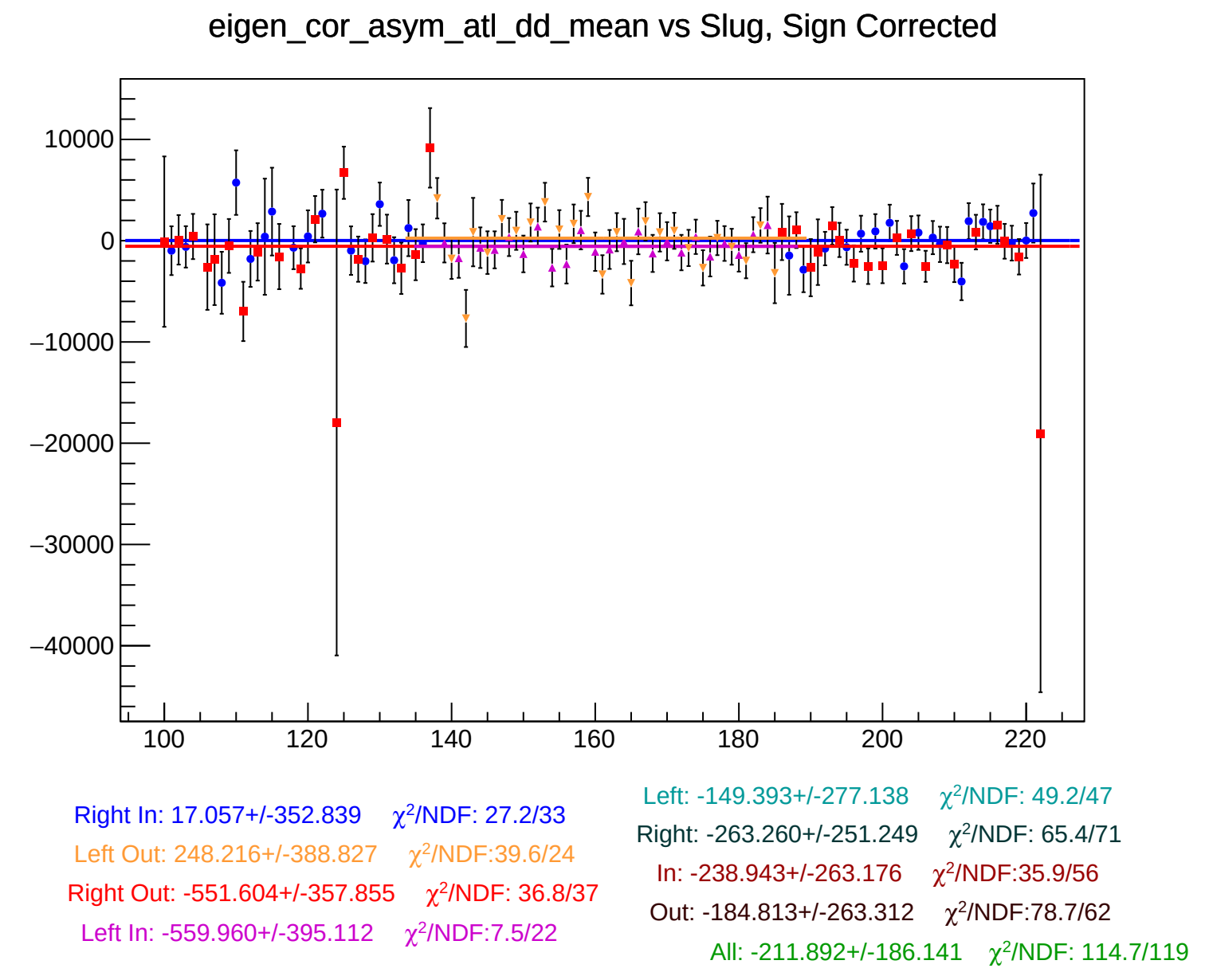
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

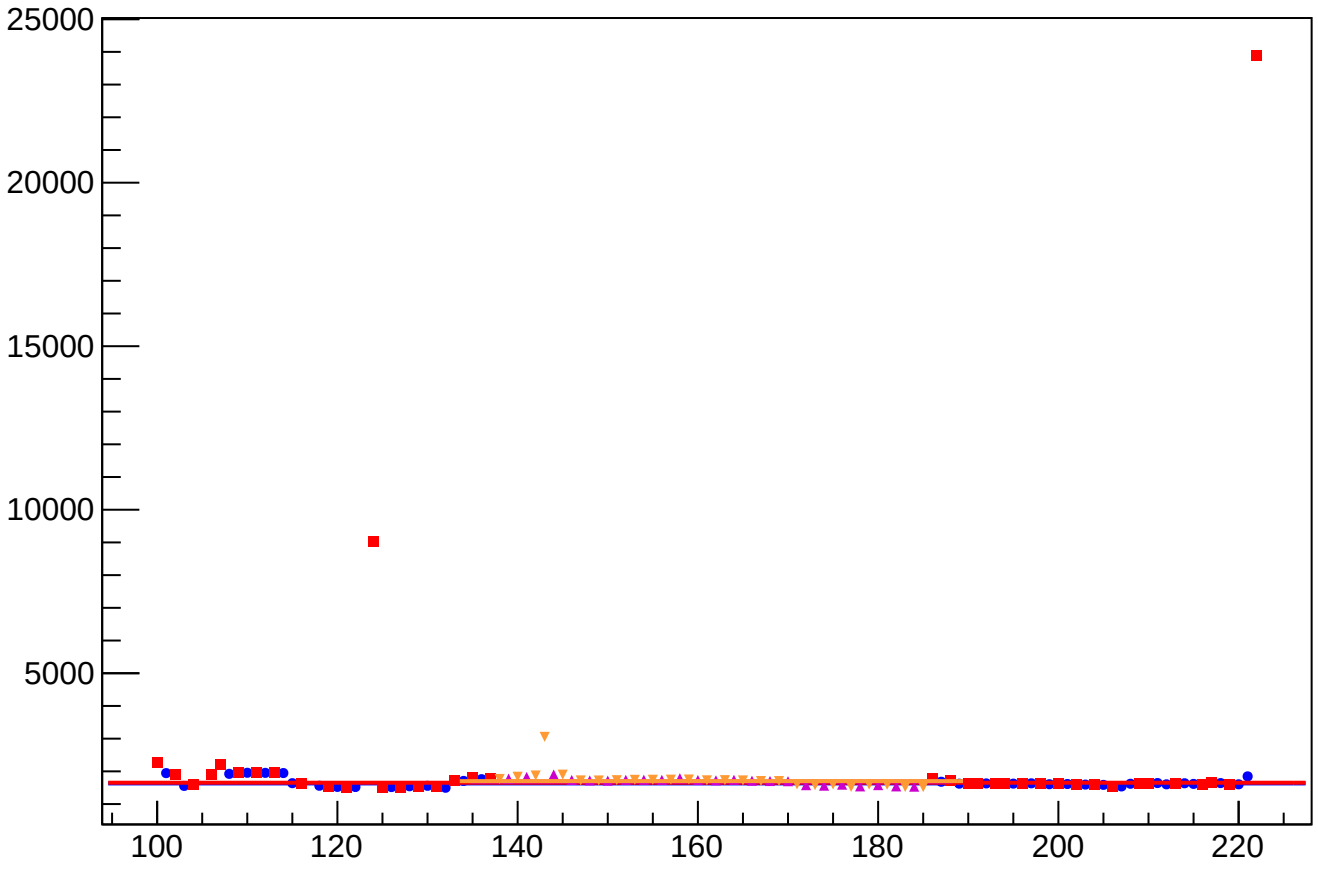
Right: 1011.285+/-0.187 χ^2/NDF: 58174932.4/71

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 716.210+/-0.157 χ^2/NDF:61518440.1/62

All: 1058.226+/-0.145 χ^2/NDF: 108948322.8


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 17.057+/-352.839 χ²/NDF: 27.2/33
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -551.604+/-357.855 χ²/NDF: 36.8/37
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -263.260+/-251.249 χ²/NDF: 65.4/71
In: -238.943+/-263.176 χ²/NDF:35.9/56
Out: -184.813+/-263.312 χ²/NDF:78.7/62
All: -211.892+/-186.141 χ²/NDF: 114.7/119



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: 1652.376+/-0.253 χ^2/NDF: 1942844.1/37

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

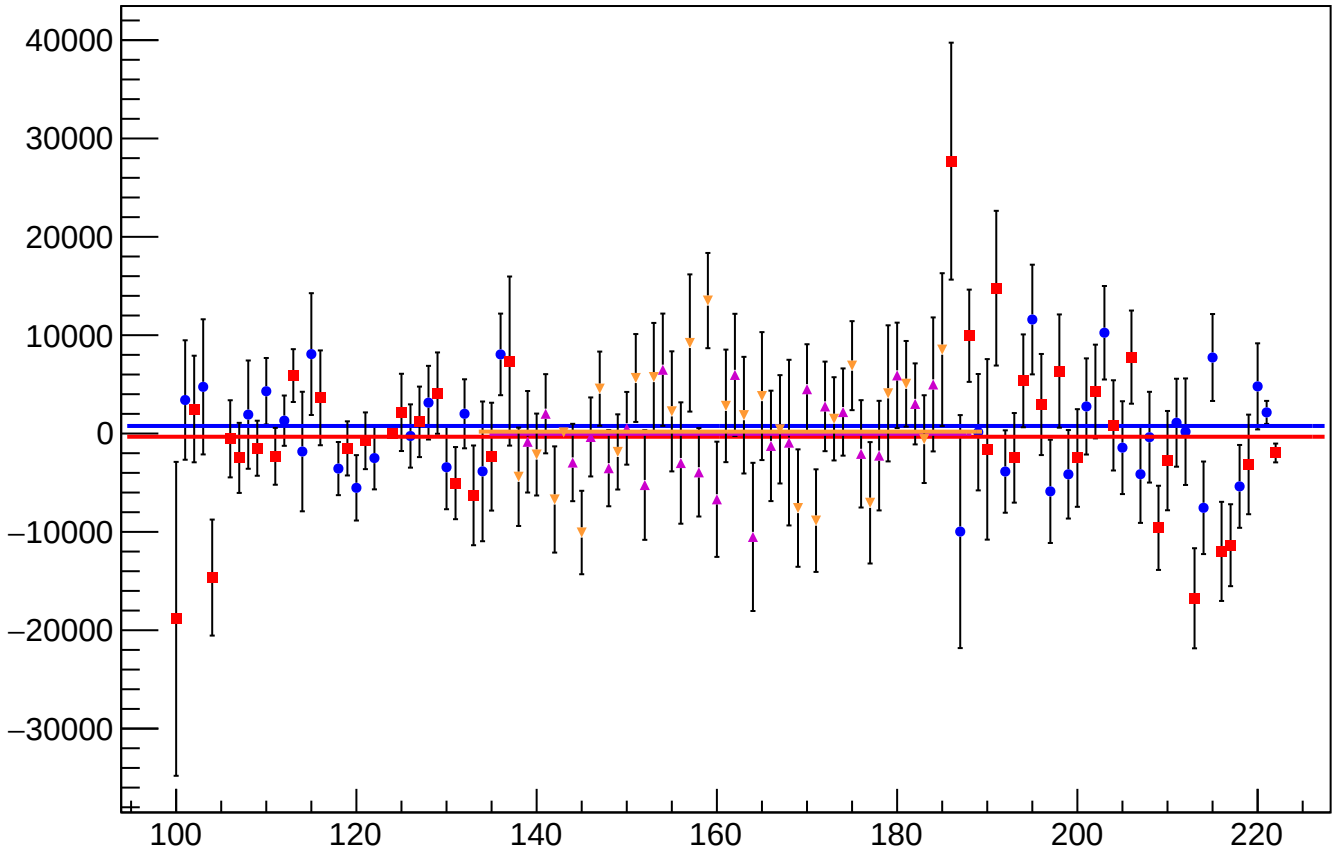
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.509+/-0.178 χ^2/NDF: 2115868.4/71

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1674.909+/-0.186 χ^2/NDF:2412585.8/62

All: 1665.857+/-0.132 χ^2/NDF: 2733272.4/11



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: -326.404+/-290.977 χ^2/NDF: 73.6/37

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

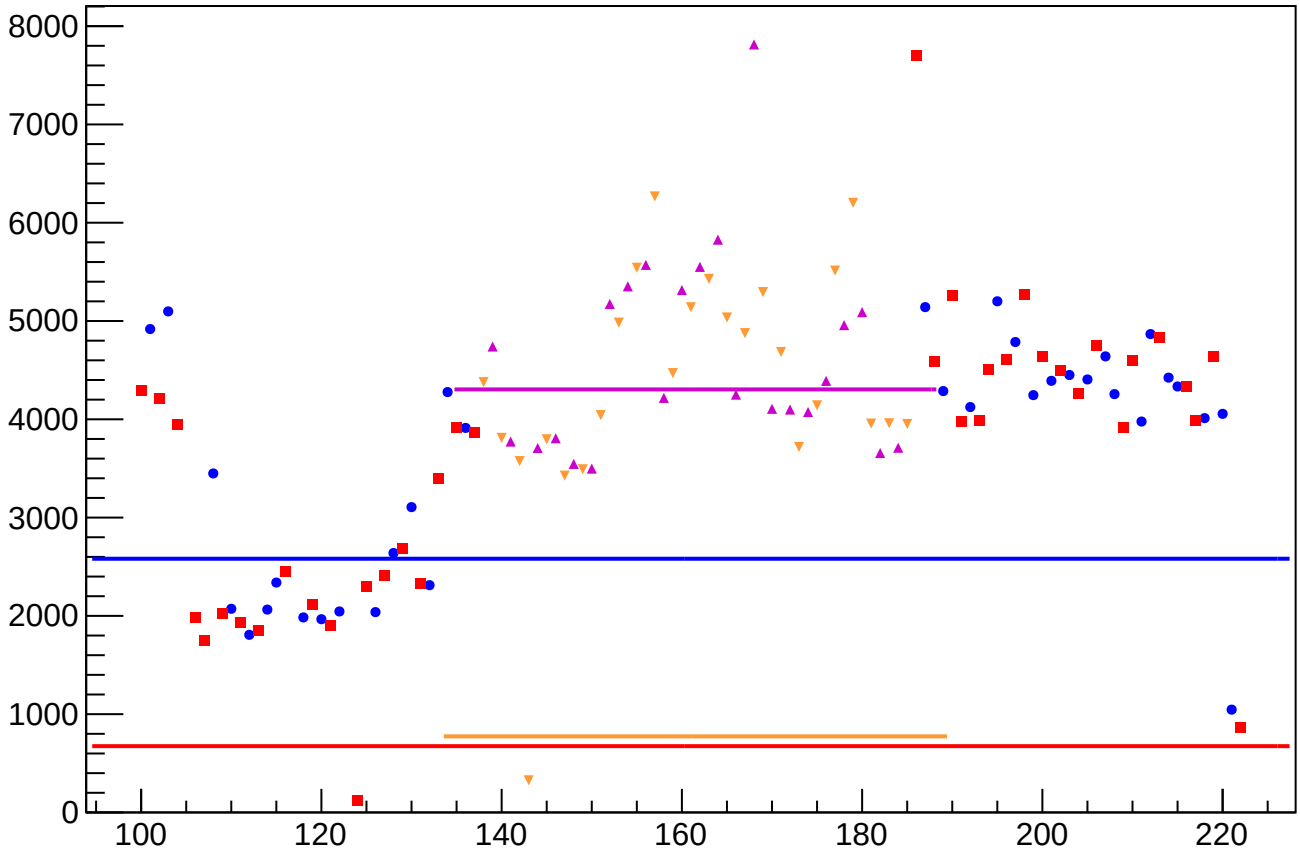
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -132.855+/-264.037 χ^2/NDF: 115.7/71

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -108.734+/-221.919 χ^2/NDF:108.8/62

All: -12.014+/-205.026 χ^2/NDF: 163.4/119



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: 674.543+/-0.206 χ^2/NDF: 33333954.9/37

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

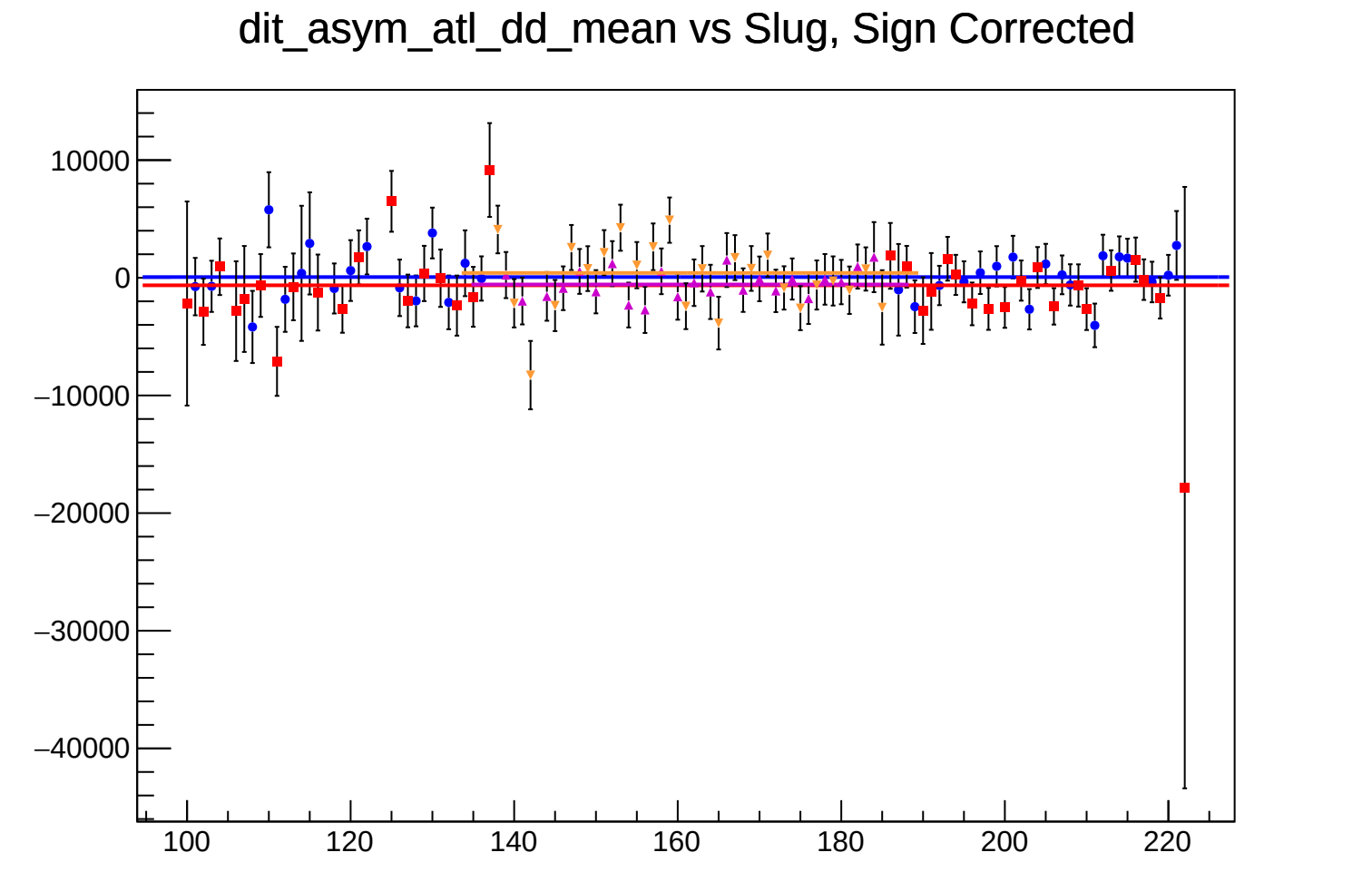
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1011.285+/-0.187 χ^2/NDF: 58174932.4/71

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 716.210+/-0.157 χ^2/NDF:61518440.1/62

All: 1058.226+/-0.145 χ^2/NDF: 108948322.8



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: -638.599+/-361.558 χ^2/NDF: 36.6/36

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

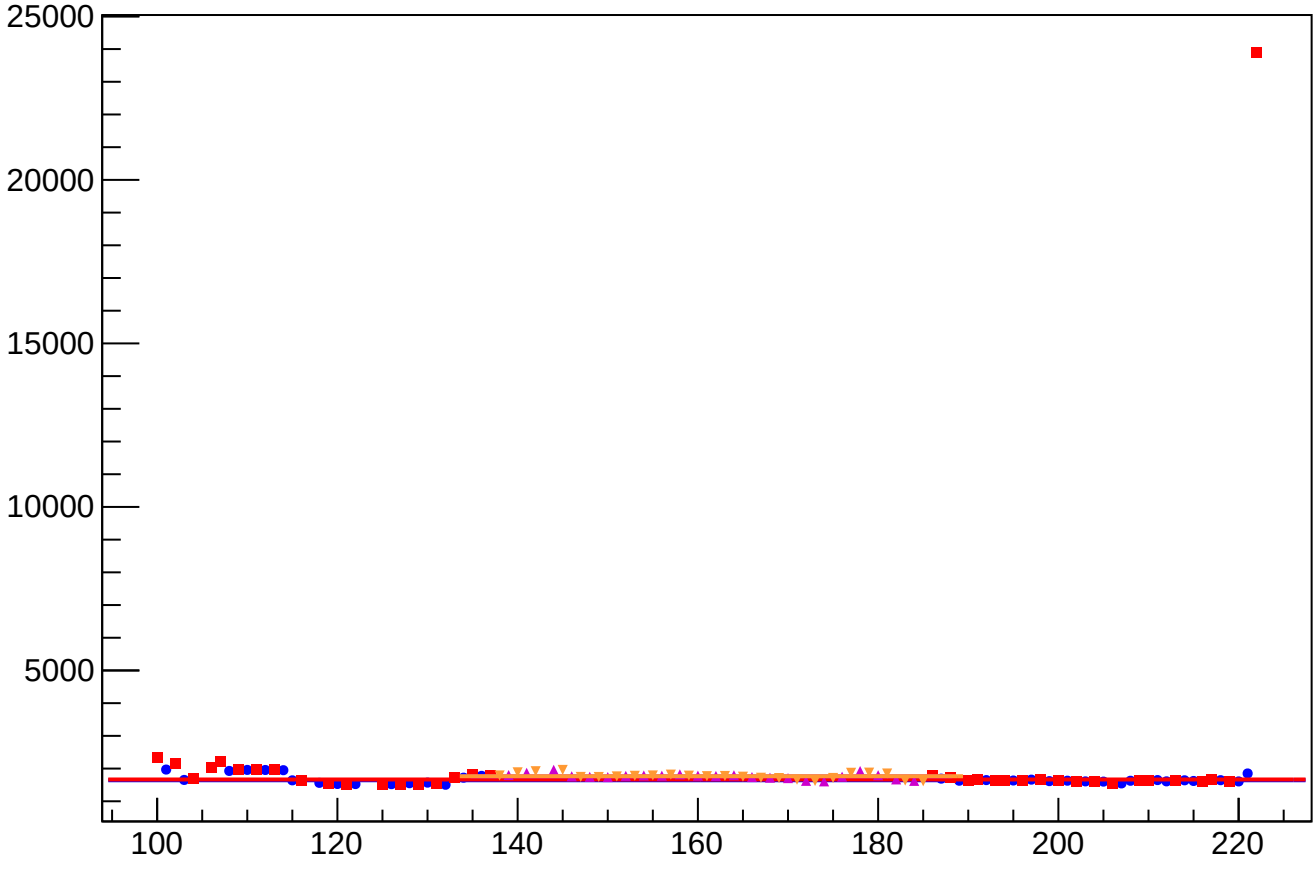
Right: -282.517+/-253.460 χ^2/NDF: 66.1/70

In: -207.359+/-269.131 χ^2/NDF:36.6/56

Out: -179.105+/-271.332 χ^2/NDF:80.3/60

All: -193.347+/-191.078 χ^2/NDF: 116.9/117

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: 1666.030+/-0.255 χ^2/NDF: 1784358.4/36

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

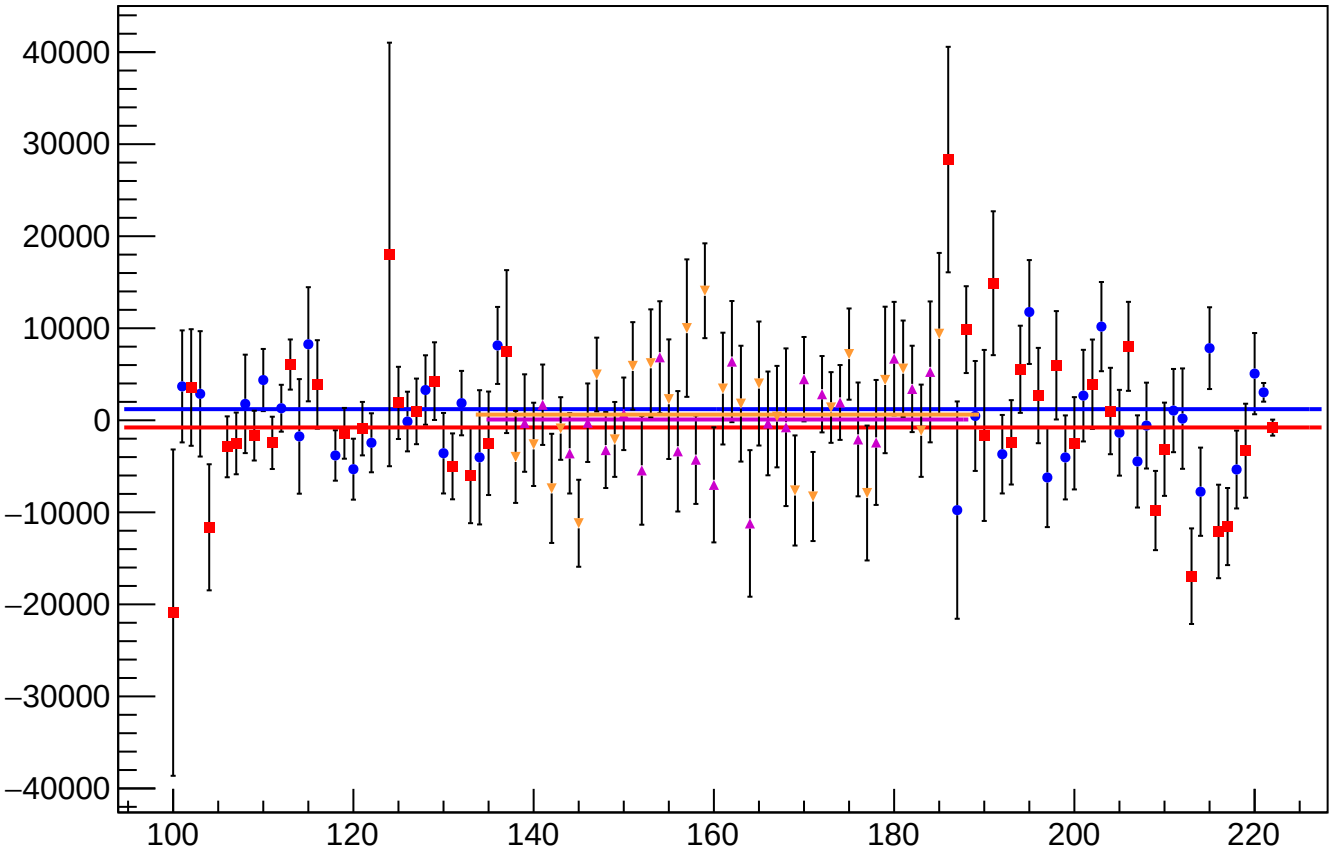
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1654.196+/-0.179 χ^2/NDF: 1956668.7/70

In: 1693.791+/-0.190 χ^2/NDF:344894.0/56

Out: 1709.713+/-0.192 χ^2/NDF:1934598.0/60

All: 1701.691+/-0.135 χ^2/NDF: 2282964.8/11



Right In: 1209.067+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -778.481+/-552.682 χ^2/NDF: 67.9/37

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

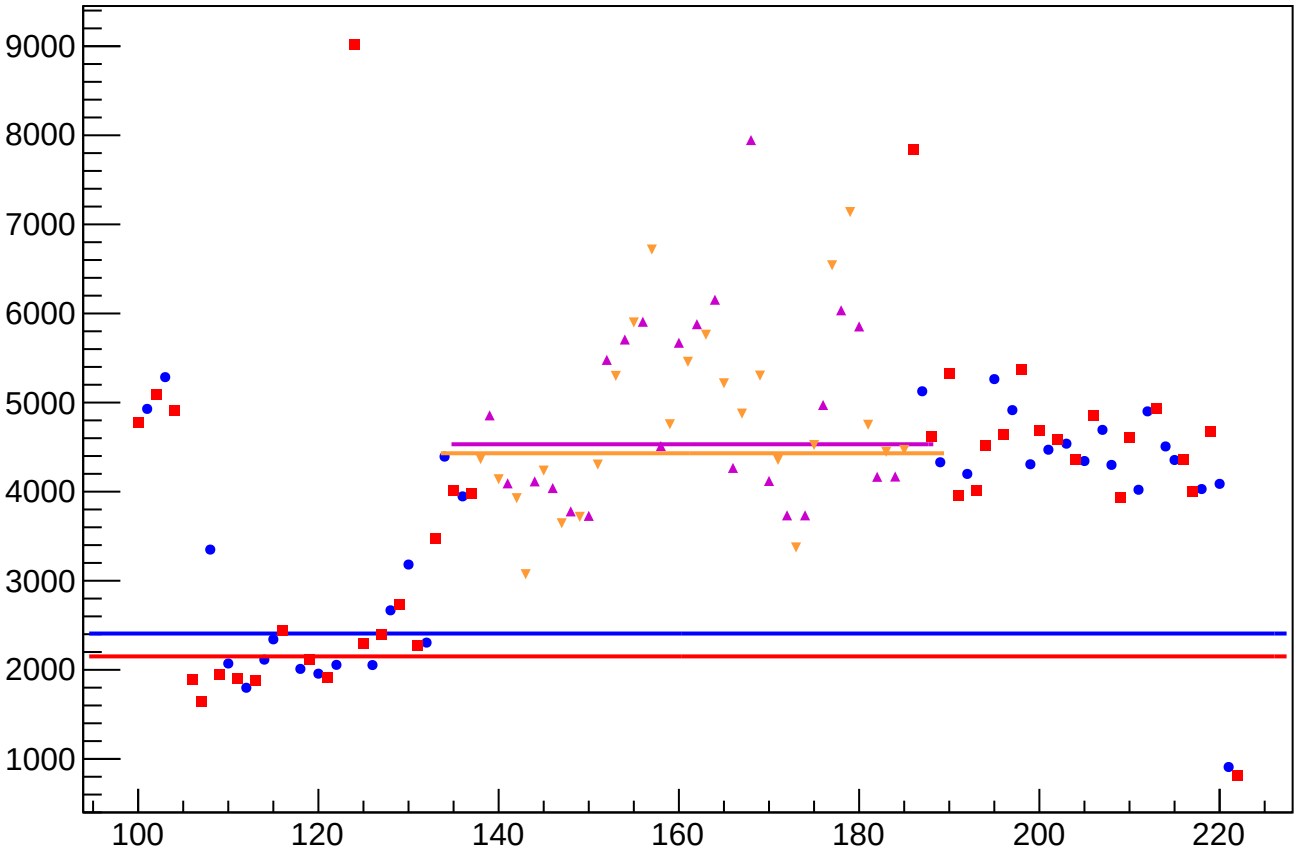
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 128.470+/-407.520 χ^2/NDF: 116.3/71

In: 942.810+/-526.968 χ^2/NDF:56.2/56

Out: -468.103+/-487.492 χ^2/NDF:102.4/62

All: 182.533+/-357.852 χ^2/NDF: 162.4/119



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: 2150.886+/-0.391 χ^2/NDF: 14281738.9/37

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

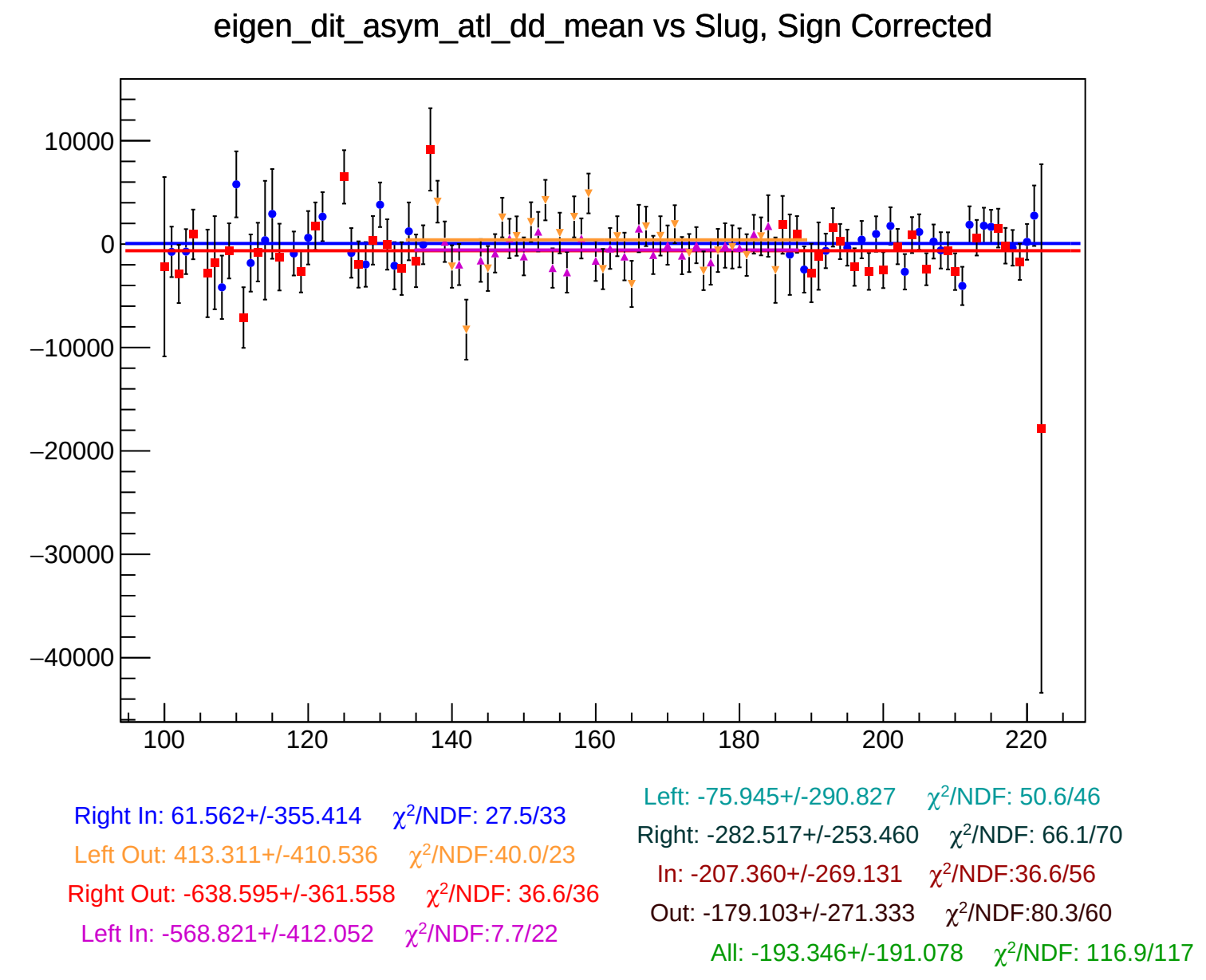
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

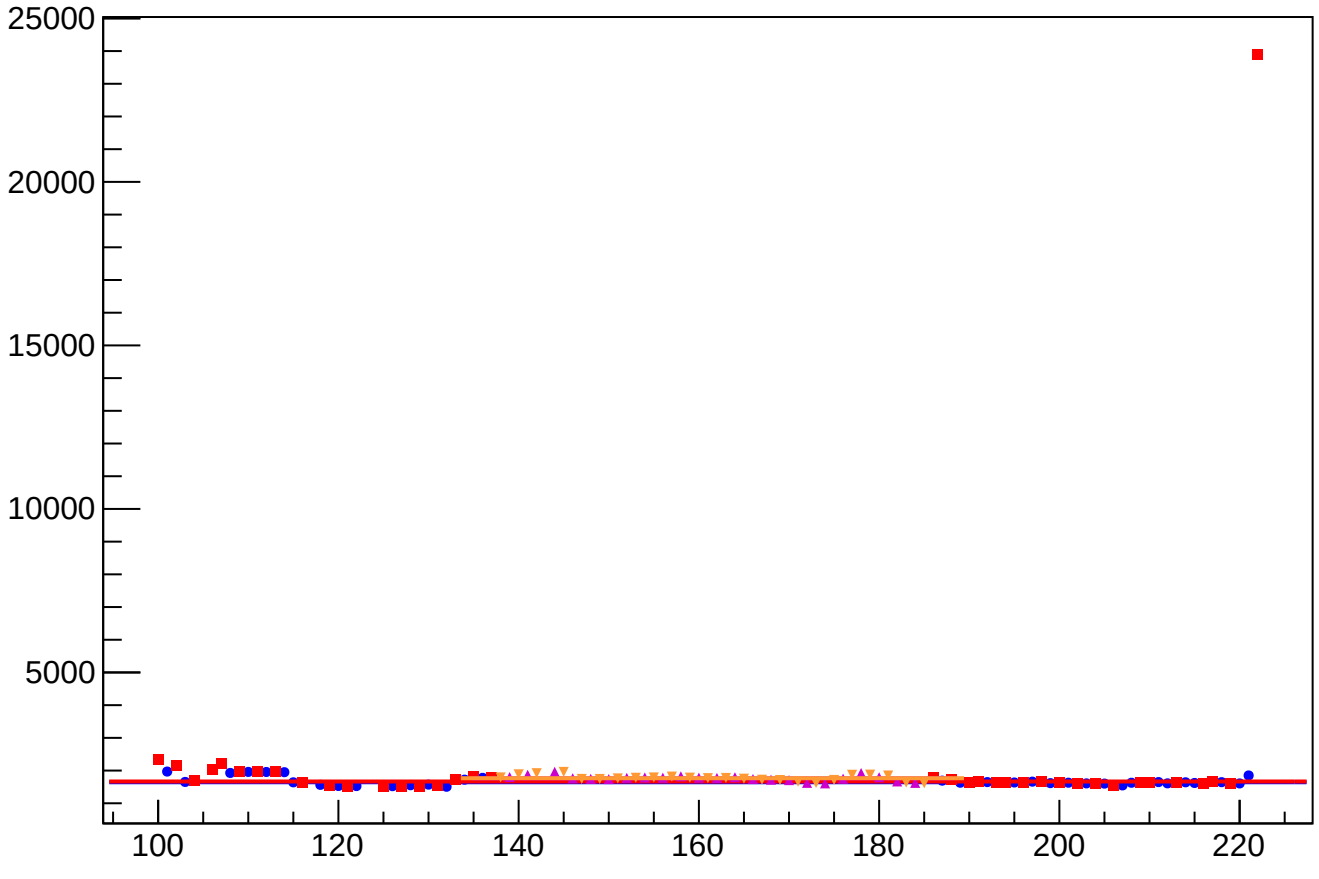
Right: 2268.004+/-0.288 χ^2/NDF: 26159605.4/71

In: 2910.978+/-0.373 χ^2/NDF:18934824.8/56

Out: 2657.012+/-0.345 χ^2/NDF:23450370.7/62

All: 2774.127+/-0.253 χ^2/NDF: 42635509.7/1


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 61.562+/-355.414 χ²/NDF: 27.5/33
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -638.595+/-361.558 χ²/NDF: 36.6/36
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -282.517+/-253.460 χ²/NDF: 66.1/70
In: -207.360+/-269.131 χ²/NDF:36.6/56
Out: -179.103+/-271.333 χ²/NDF:80.3/60
All: -193.346+/-191.078 χ²/NDF: 116.9/117



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: 1666.030+/-0.255 χ^2/NDF: 1784357.1/36

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

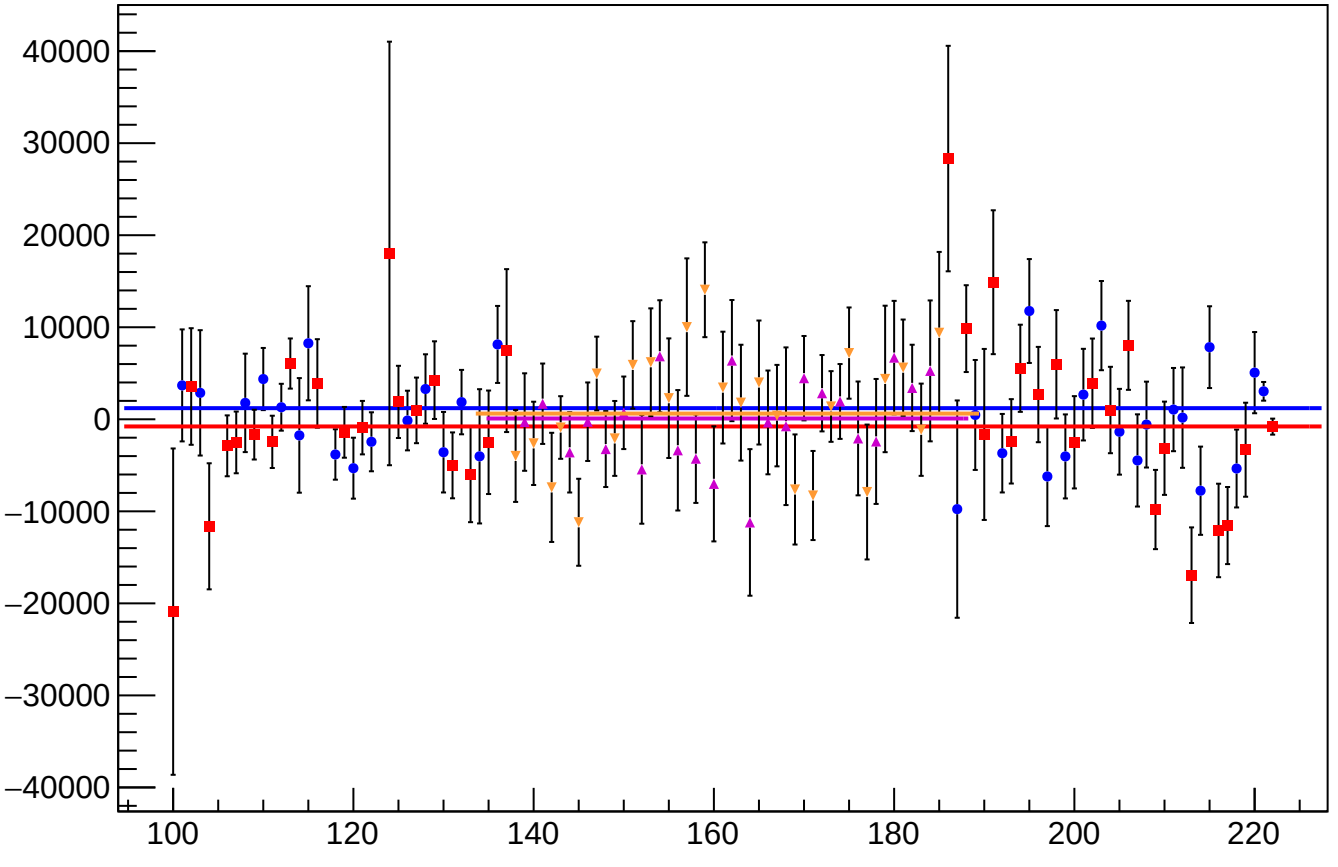
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1654.196+/-0.179 χ^2/NDF: 1956667.4/70

In: 1693.792+/-0.190 χ^2/NDF:344898.0/56

Out: 1709.714+/-0.192 χ^2/NDF:1934600.7/60

All: 1701.691+/-0.135 χ^2/NDF: 2282971.6/11



Right In: 1209.060+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -778.480+/-552.682 χ^2/NDF: 67.9/37

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

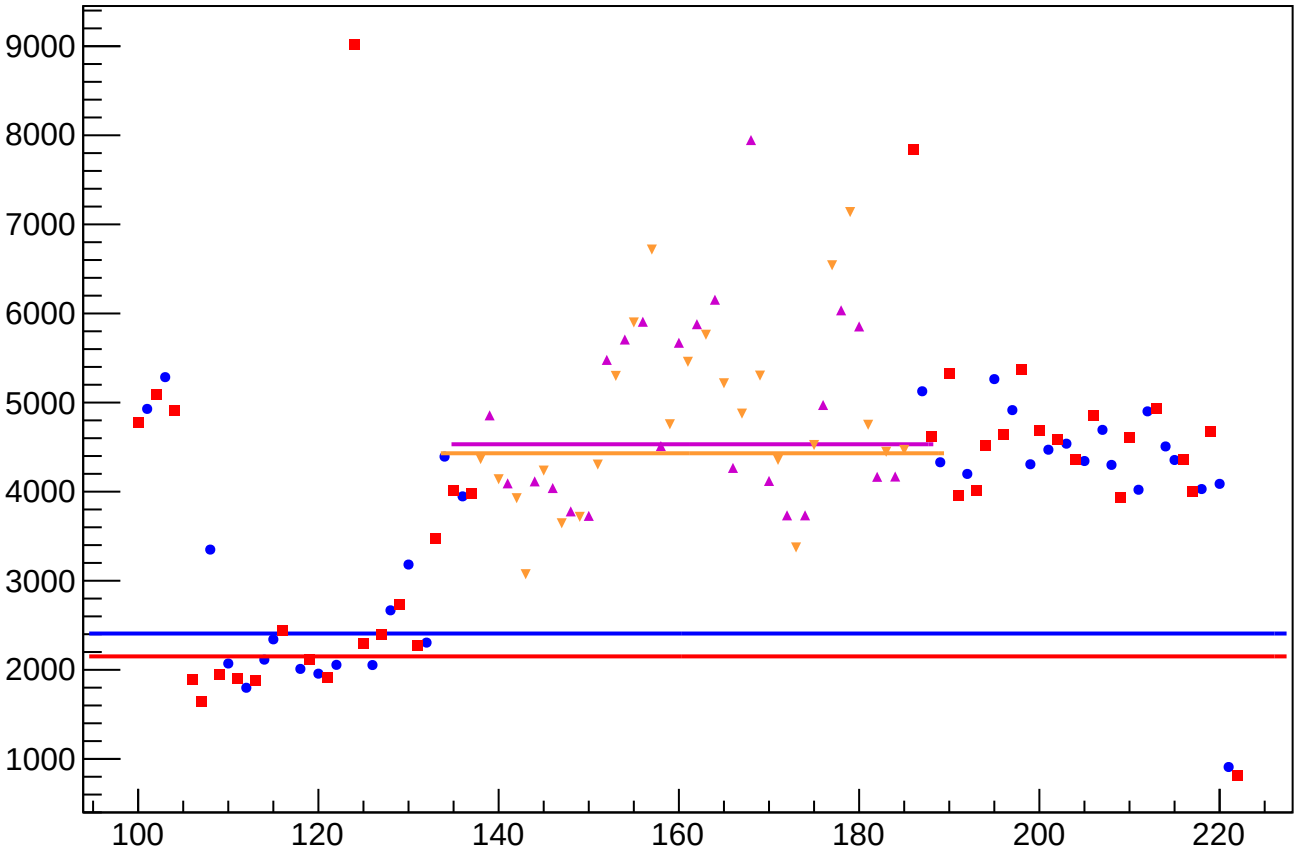
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 128.466+/-407.519 χ^2/NDF: 116.3/71

In: 942.806+/-526.968 χ^2/NDF:56.2/56

Out: -468.103+/-487.491 χ^2/NDF:102.4/62

All: 182.530+/-357.852 χ^2/NDF: 162.4/119



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: 2150.882+/-0.391 χ^2/NDF: 14281771.6/37

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

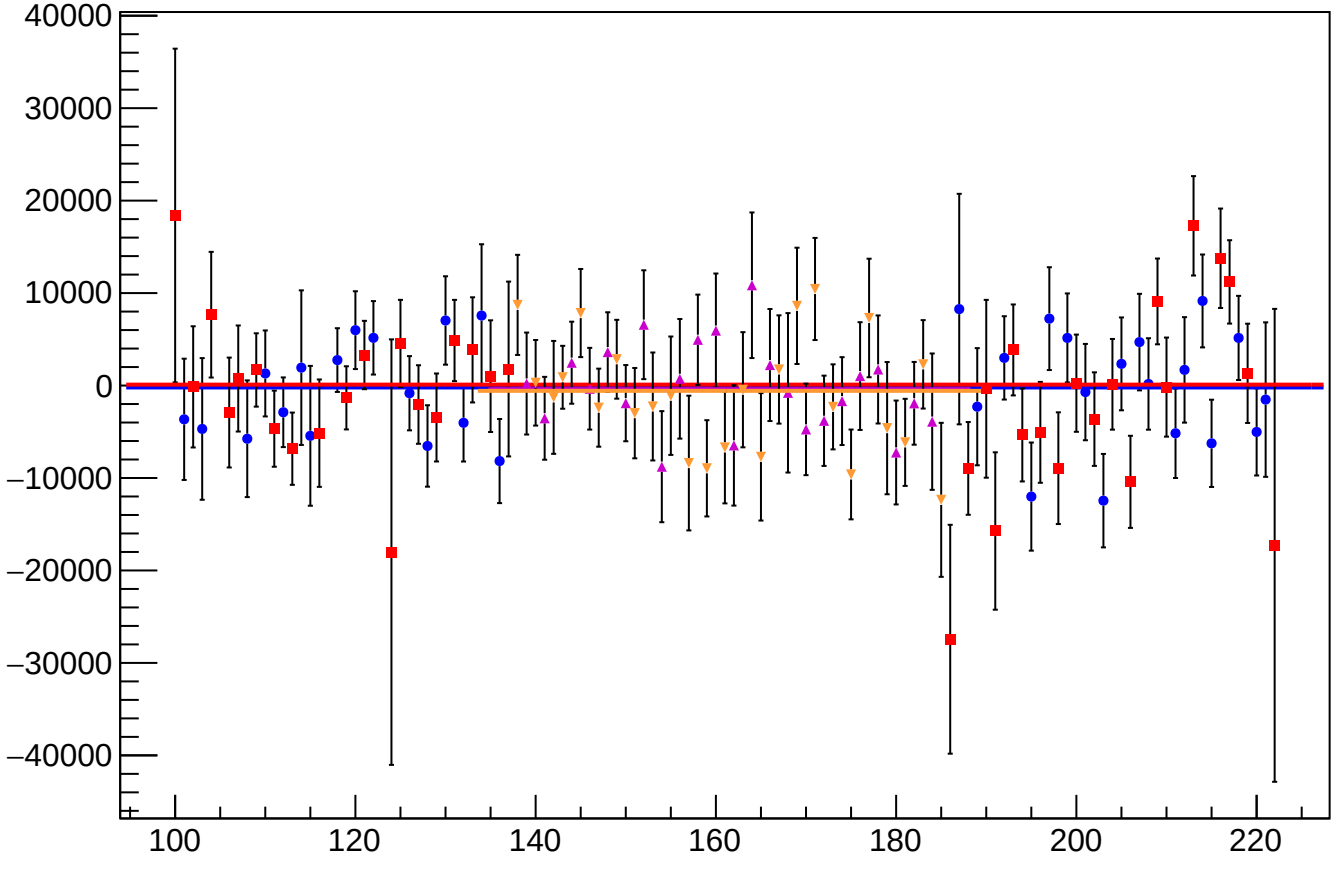
Right: 2268.001+/-0.288 χ^2/NDF: 26159659.9/71

In: 2910.978+/-0.373 χ^2/NDF:18934874.2/56

Out: 2657.008+/-0.345 χ^2/NDF:23450463.8/62

All: 2774.125+/-0.253 χ^2/NDF: 42635659.2/

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: 98.198+/-858.420 χ^2/NDF: 61.5/37

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

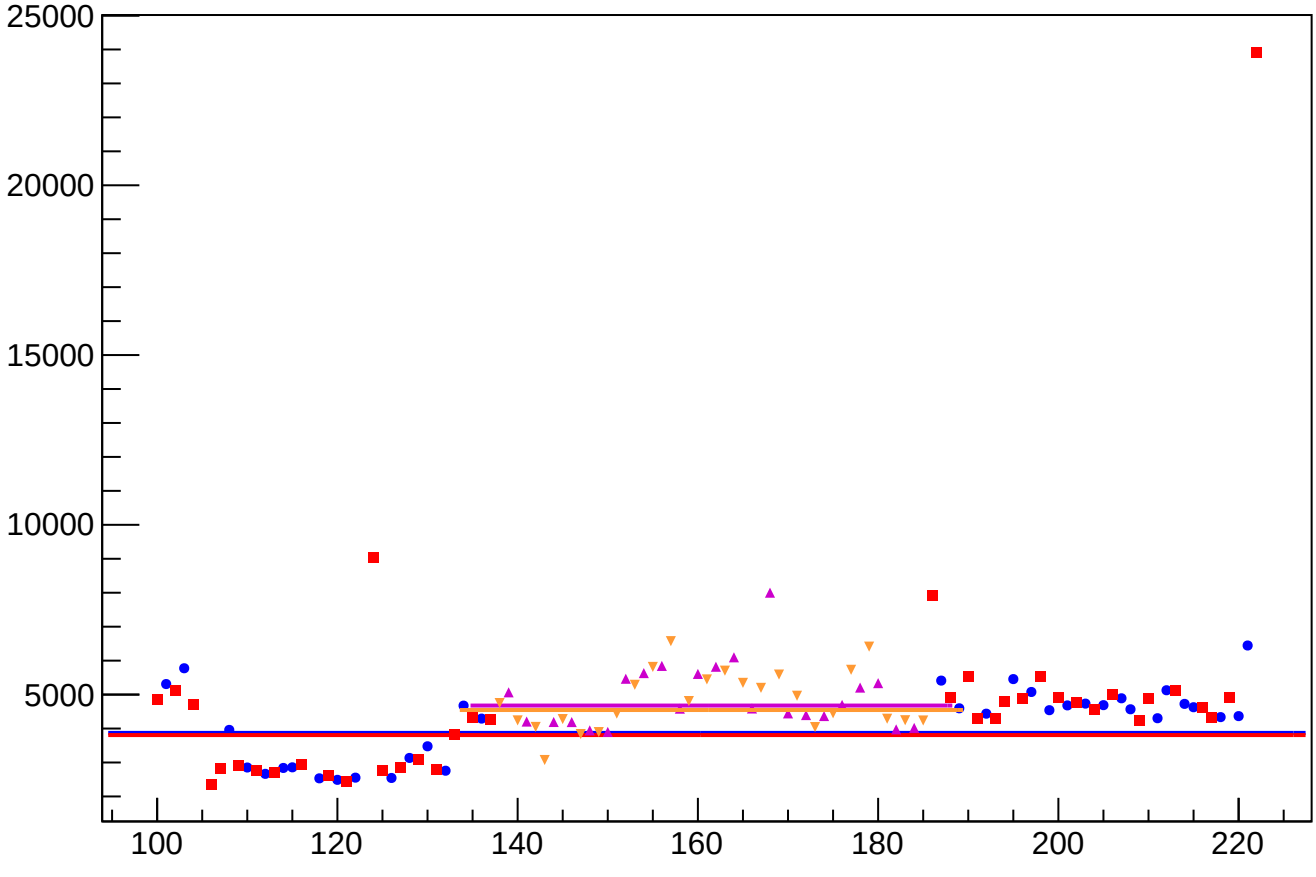
Right: -53.856+/-608.707 χ^2/NDF: 102.1/71

In: -279.578+/-681.332 χ^2/NDF:54.5/56

Out: -169.263+/-665.810 χ^2/NDF:90.5/62

All: -223.149+/-476.192 χ^2/NDF: 145.1/119

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: 3807.621+/-0.602 χ^2/NDF: 4476075.5/37

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

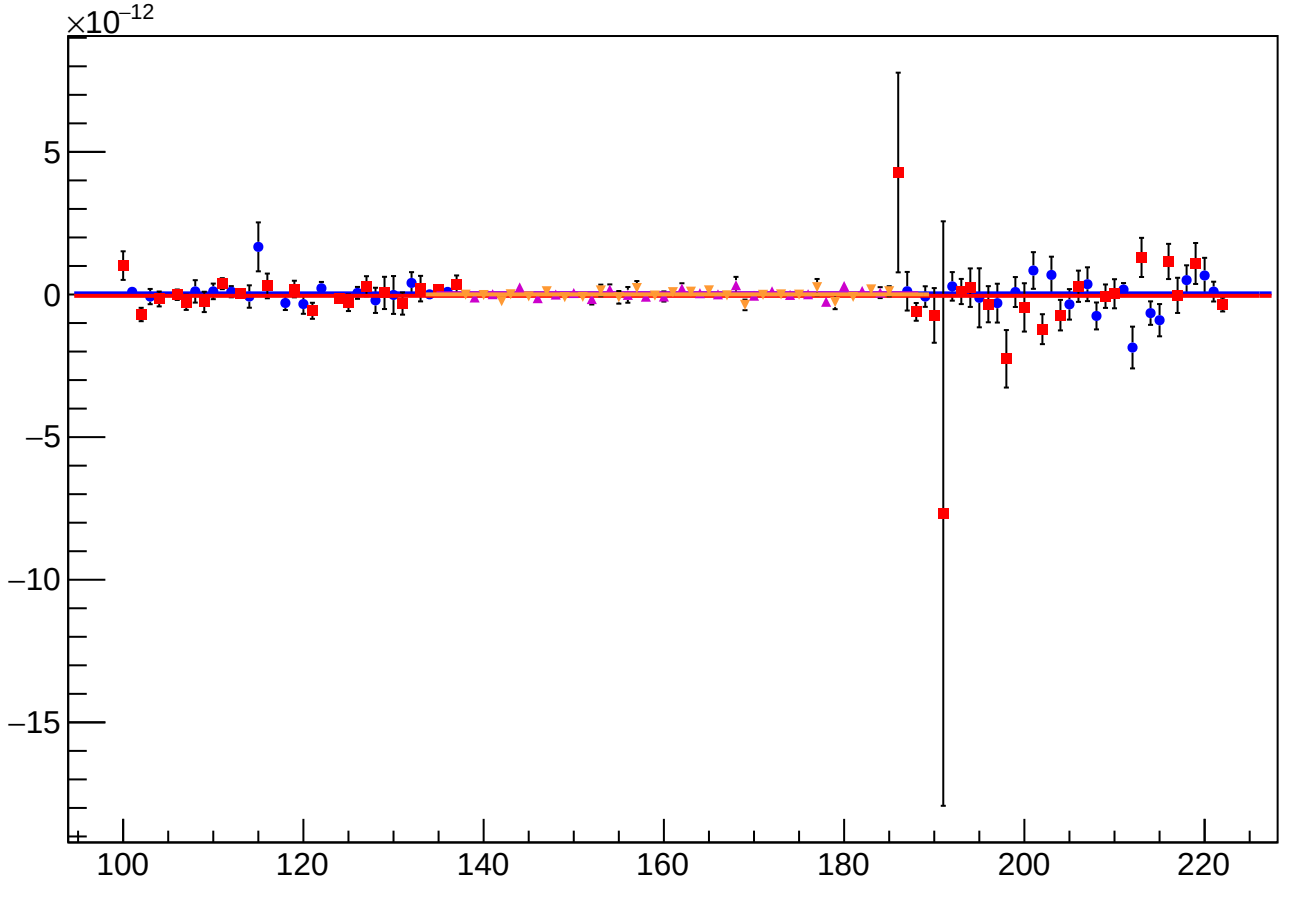
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3839.333+/-0.429 χ^2/NDF: 7374075.9/71

In: 4175.529+/-0.482 χ^2/NDF:4508340.2/56

Out: 4098.923+/-0.469 χ^2/NDF:6326888.5/62

All: 4136.169+/-0.336 χ^2/NDF: 10848219.4/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.5/37

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

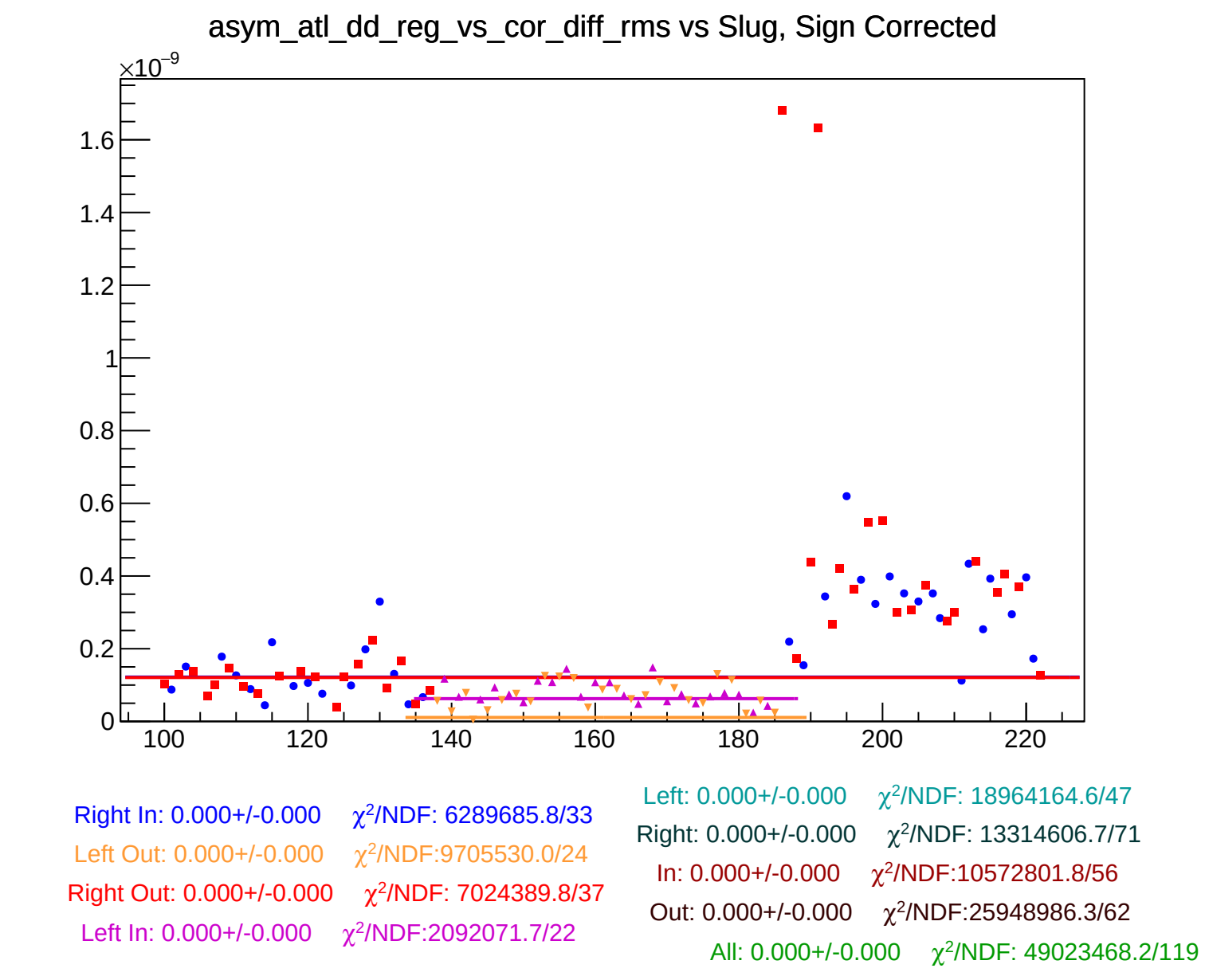
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

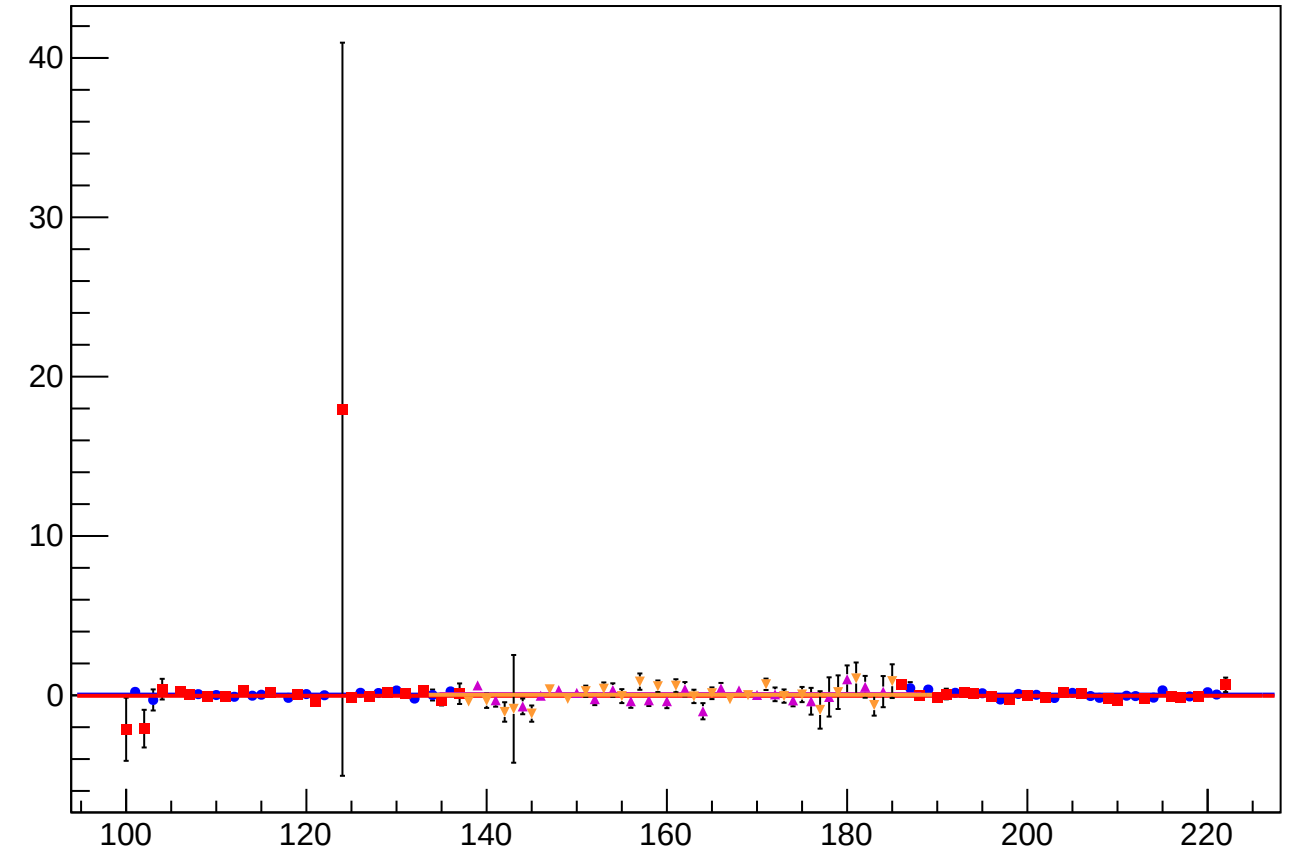
Right: -0.000+/-0.000 χ^2/NDF: 92.7/71

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:79.6/62

All: 0.000+/-0.000 χ^2/NDF: 133.7/119


asym_atl_dd_reg_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: 6289685.8/33
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7024389.8/37
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
Left: 0.000+/-0.000 χ²/NDF: 18964164.6/47
Right: 0.000+/-0.000 χ²/NDF: 13314606.7/71
In: 0.000+/-0.000 χ²/NDF:10572801.8/56
Out: 0.000+/-0.000 χ²/NDF:25948986.3/62
All: 0.000+/-0.000 χ²/NDF: 49023468.2/119



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: -0.030+/-0.027 χ^2/NDF: 46.9/37

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

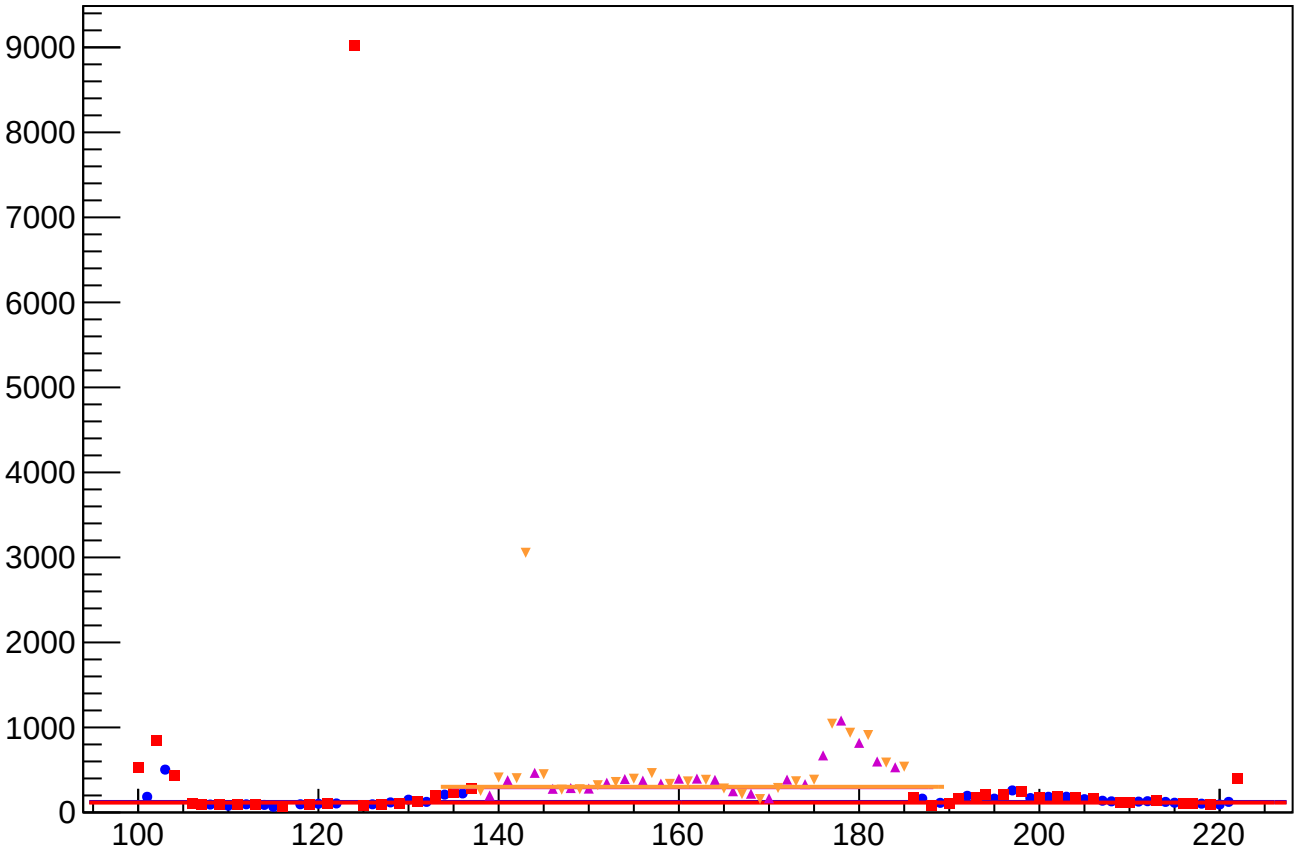
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.006+/-0.020 χ^2/NDF: 80.8/71

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.022+/-0.026 χ^2/NDF:77.2/62

All: 0.012+/-0.019 χ^2/NDF: 135.5/119



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 116.104+/-0.019 χ^2/NDF: 6377651.9/37

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

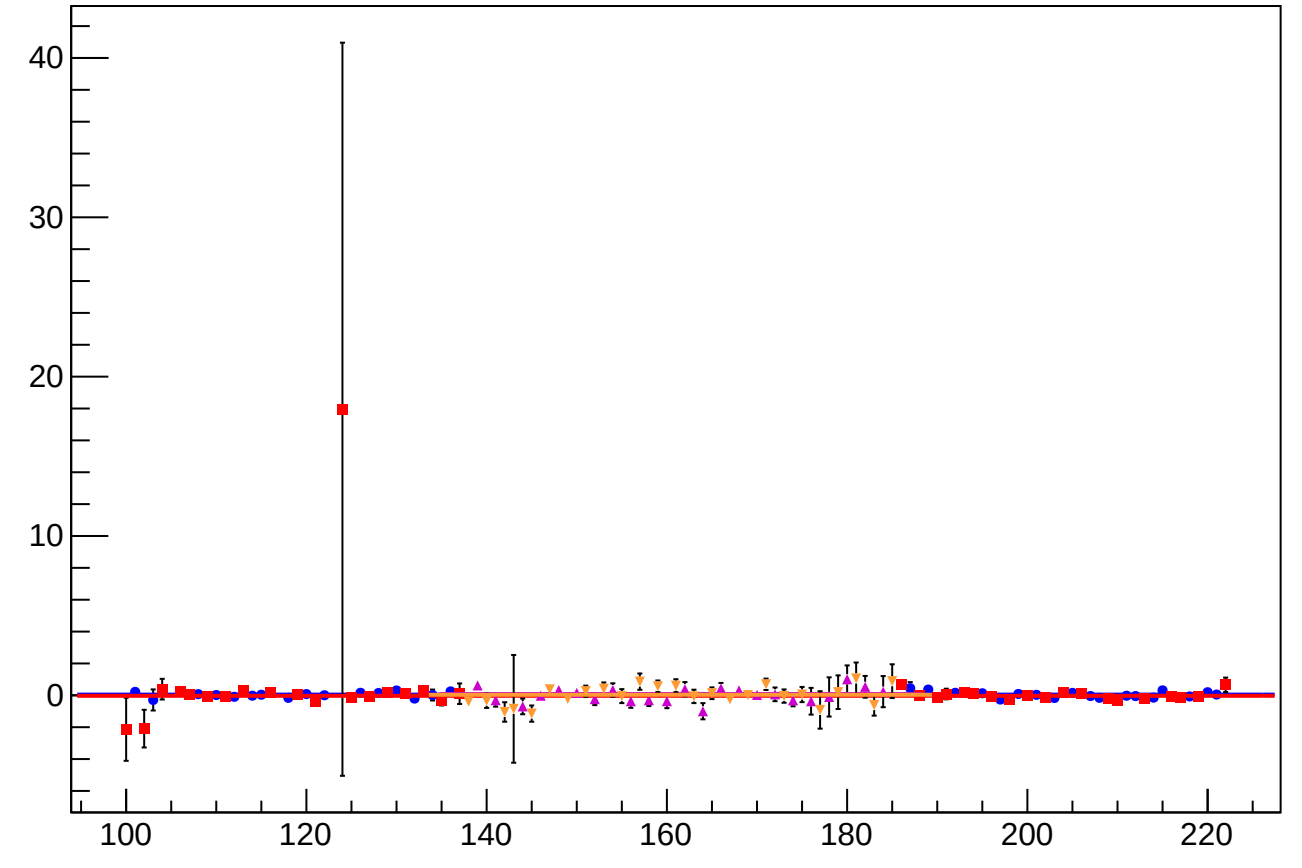
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.572+/-0.014 χ^2/NDF: 10189084.8/71

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 137.132+/-0.018 χ^2/NDF:23396335.4/62

All: 140.813+/-0.013 χ^2/NDF: 41353770.5/11



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: -0.030+/-0.027 χ^2/NDF: 46.9/37

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

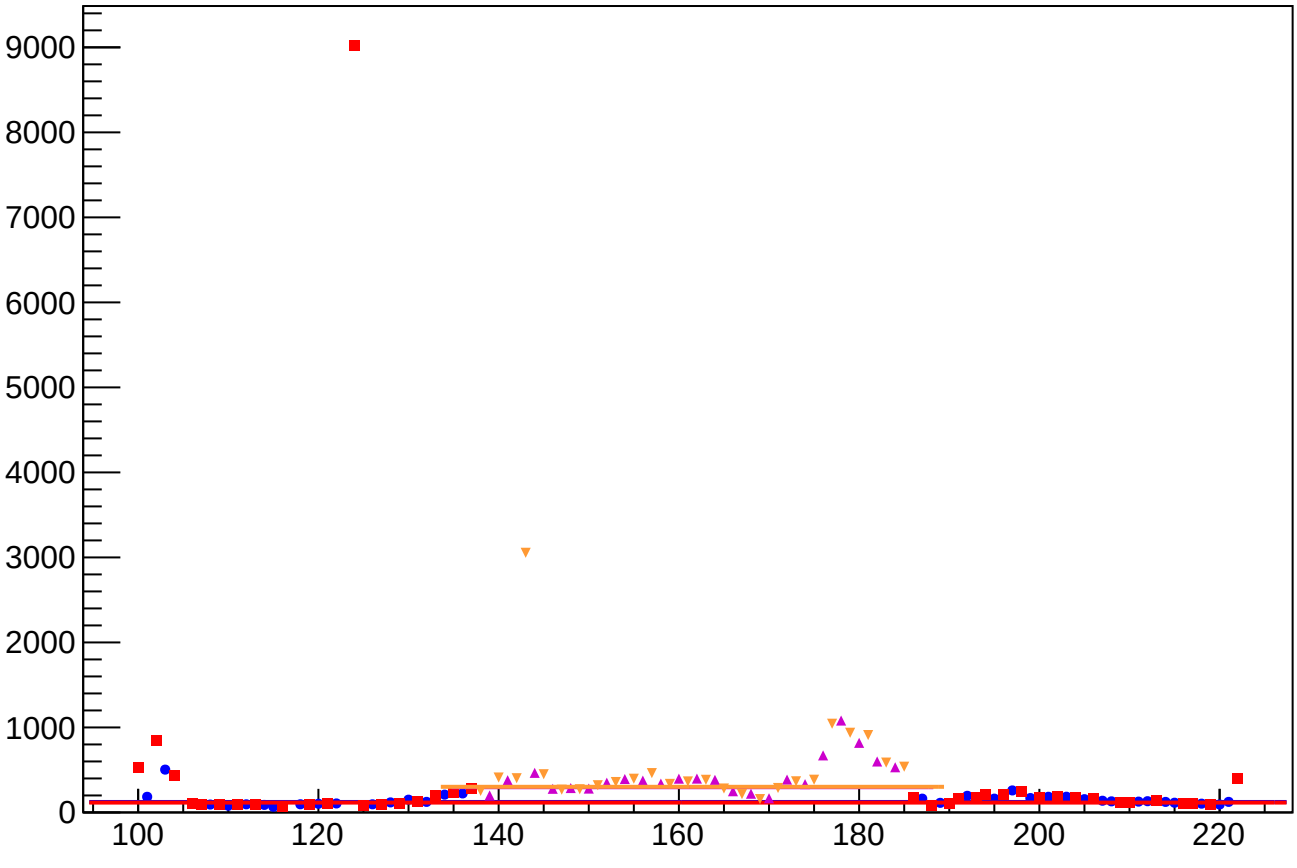
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.006+/-0.020 χ^2/NDF: 80.8/71

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.022+/-0.026 χ^2/NDF:77.2/62

All: 0.012+/-0.019 χ^2/NDF: 135.5/119



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 116.104+/-0.019 χ^2/NDF: 6377651.9/37

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

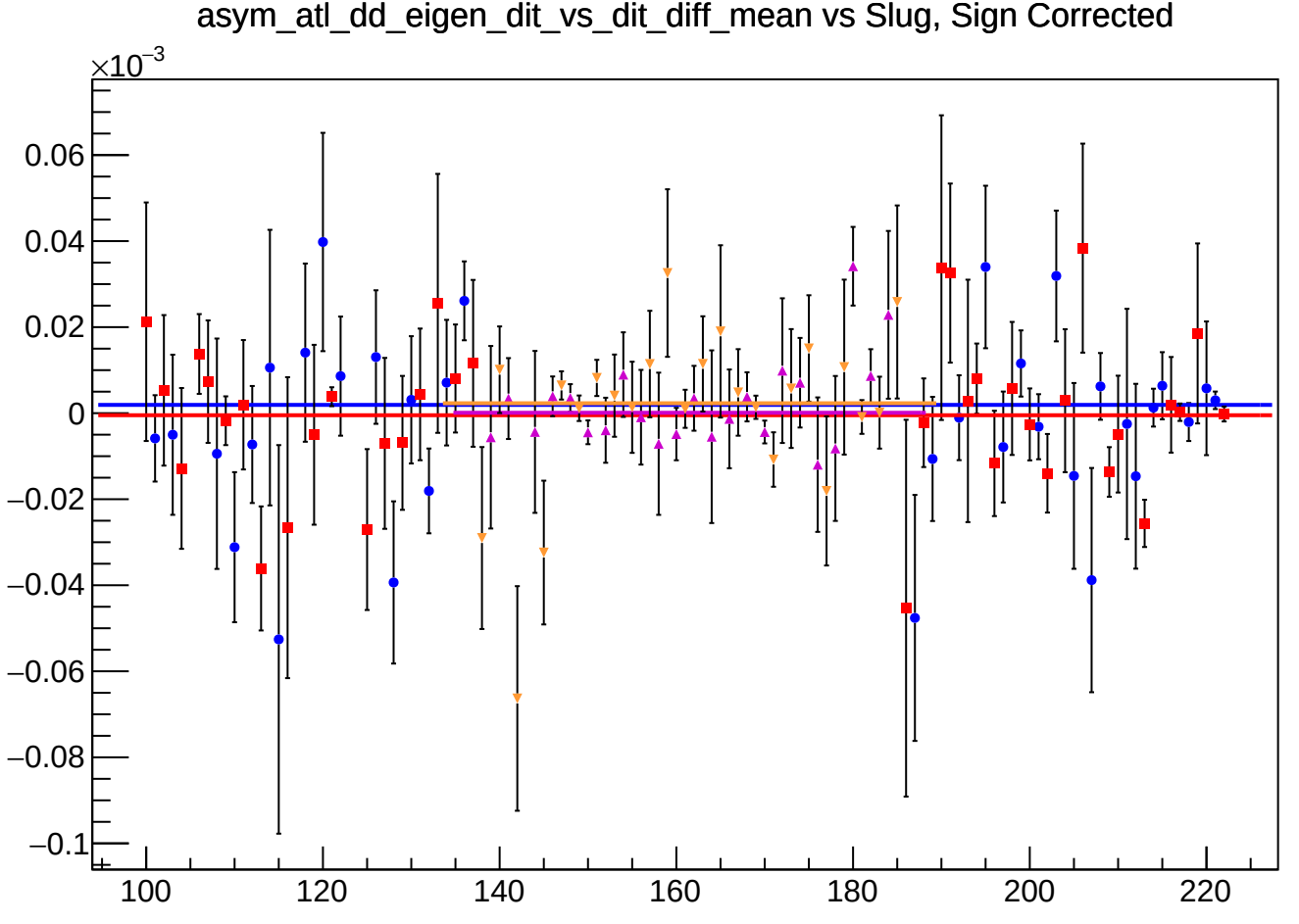
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.572+/-0.014 χ^2/NDF: 10189084.8/71

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 137.132+/-0.018 χ^2/NDF:23396335.4/62

All: 140.813+/-0.013 χ^2/NDF: 41353770.5/1



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: 57.3/36

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

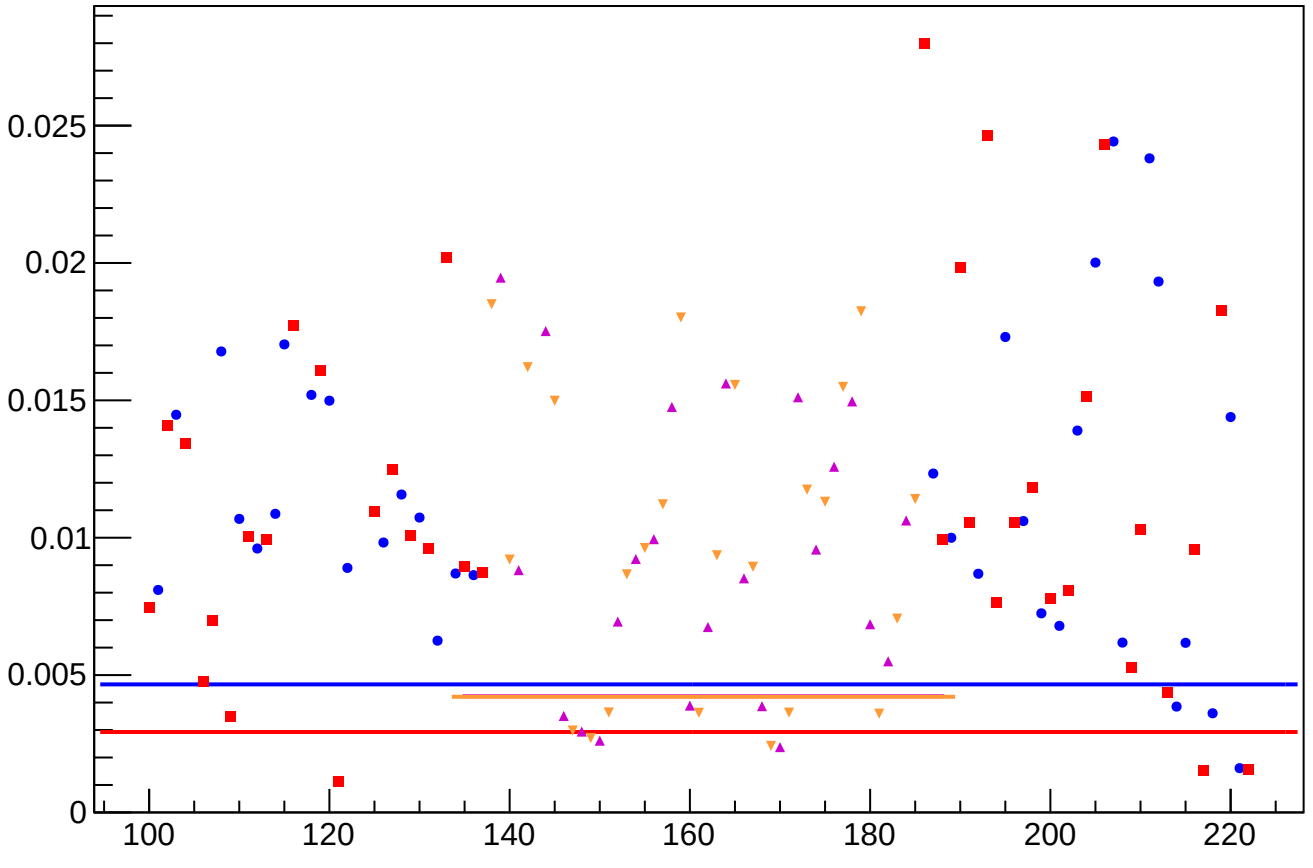
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 103.8/70

In: 0.000+/-0.000 χ^2/NDF:74.5/56

Out: 0.000+/-0.000 χ^2/NDF:91.5/60

All: 0.000+/-0.000 χ^2/NDF: 166.1/117



Right In: 0.005+/-0.000 χ^2/NDF: 17289180.3/33

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 22702241.9/36

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

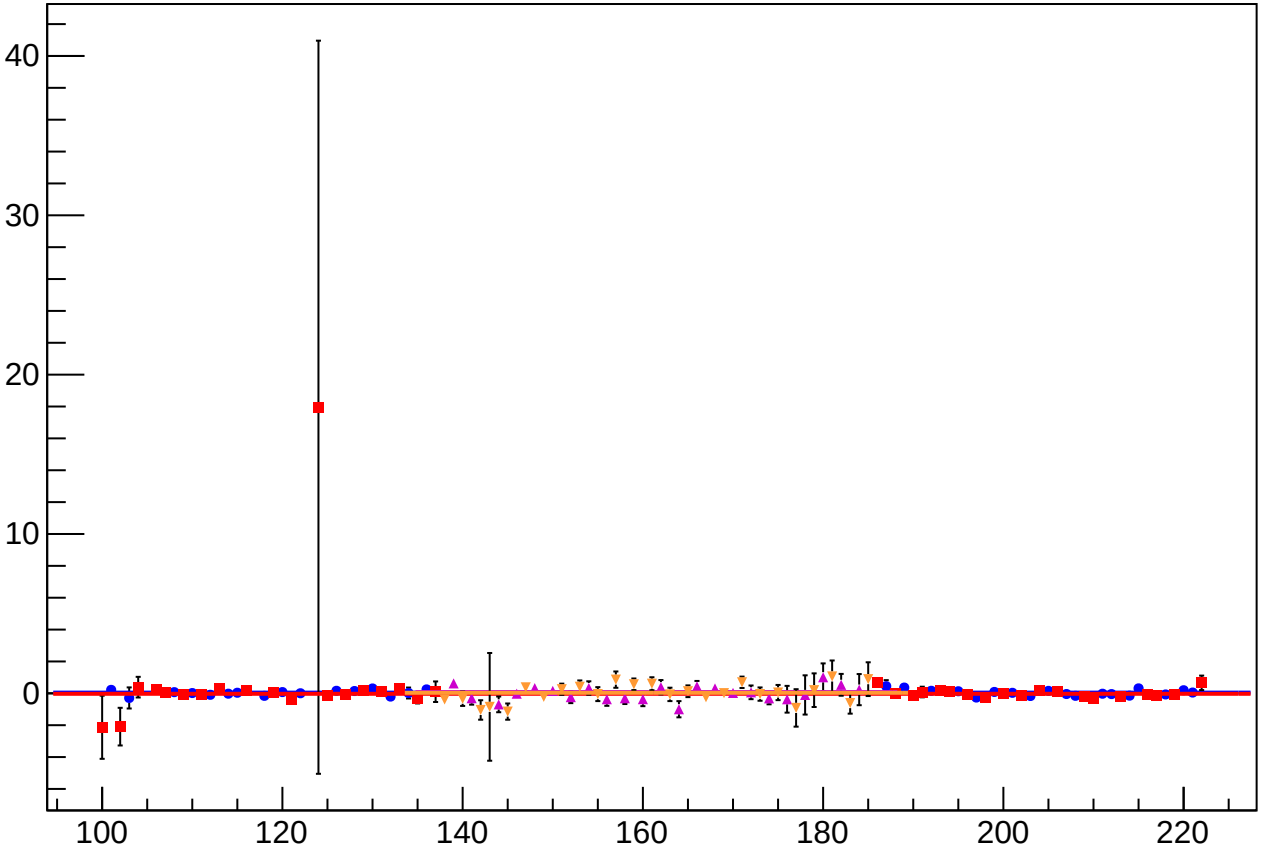
Right: 0.004+/-0.000 χ^2/NDF: 42074732.3/70

In: 0.004+/-0.000 χ^2/NDF:28429422.3/56

Out: 0.003+/-0.000 χ^2/NDF:36077121.6/60

All: 0.004+/-0.000 χ^2/NDF: 65878926.1/117

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.030+/-0.027 χ^2/NDF: 46.9/37

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

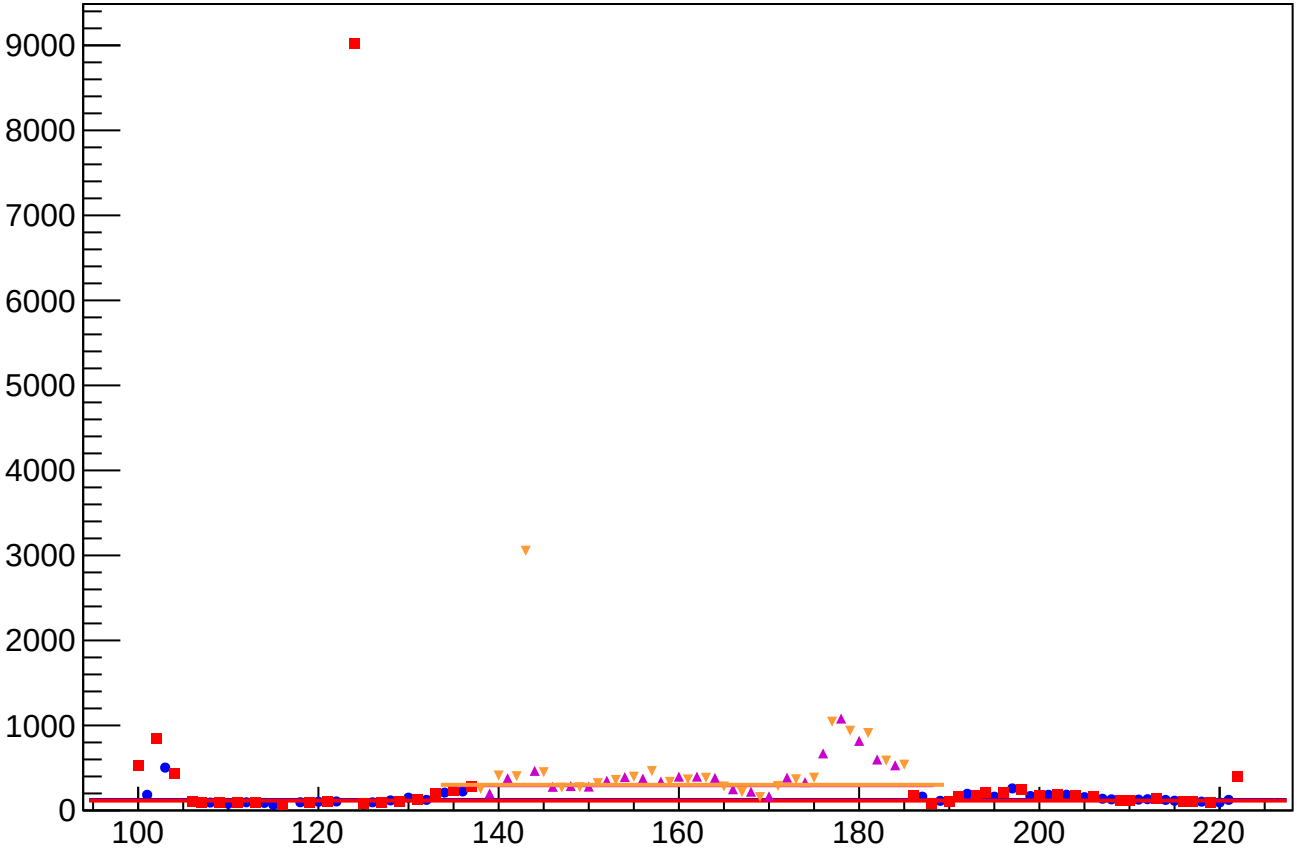
Right: 0.006+/-0.020 χ^2/NDF: 80.8/71

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.022+/-0.026 χ^2/NDF:77.2/62

All: 0.012+/-0.019 χ^2/NDF: 135.5/119

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 116.106+/-0.019 χ^2/NDF: 6377531.7/37

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

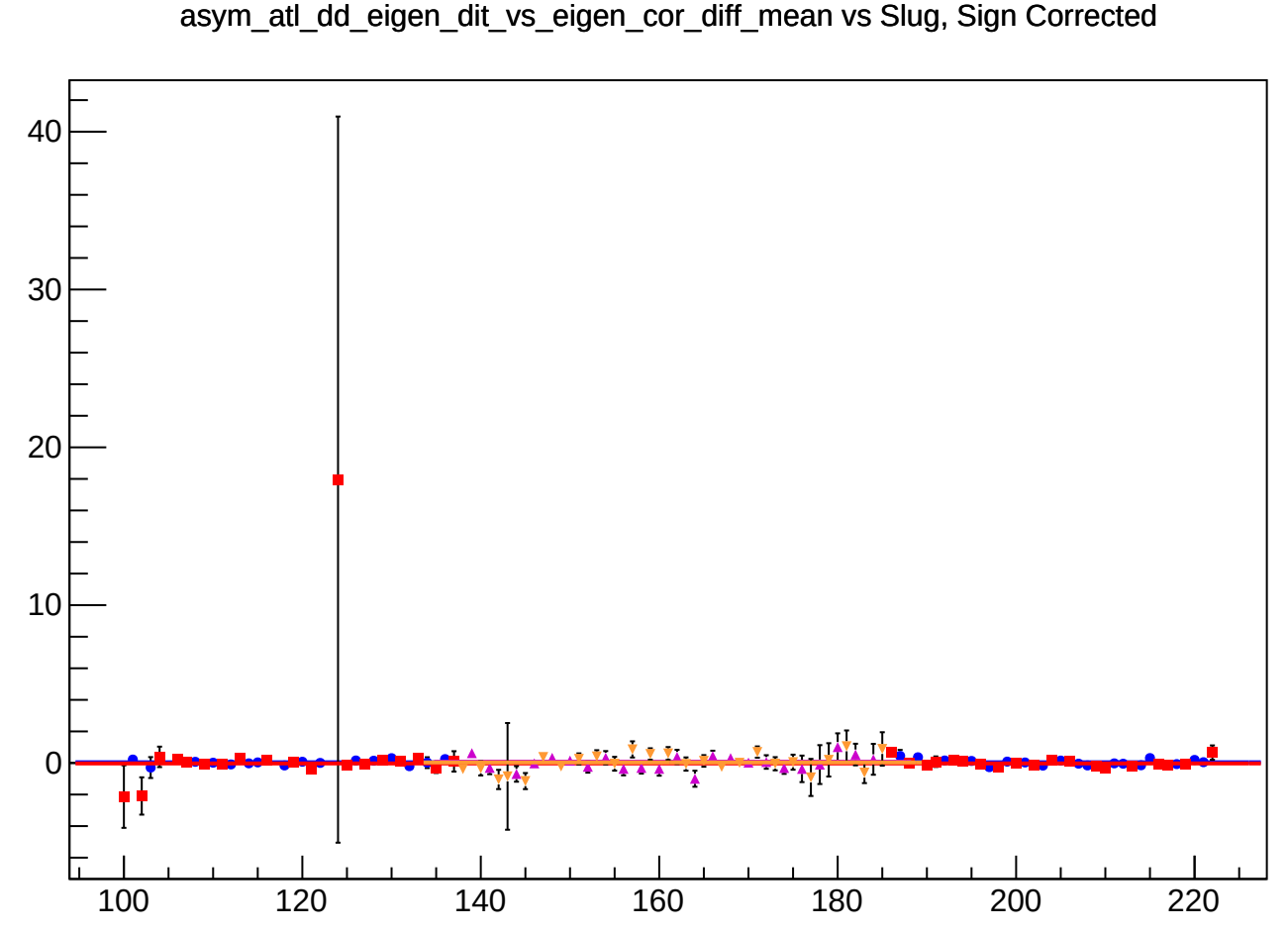
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.573+/-0.014 χ^2/NDF: 10188907.0/71

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 137.134+/-0.018 χ^2/NDF:23396172.0/62

All: 140.814+/-0.013 χ^2/NDF: 41353482.9/11



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: -0.030+/-0.027 χ^2/NDF: 46.9/37

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

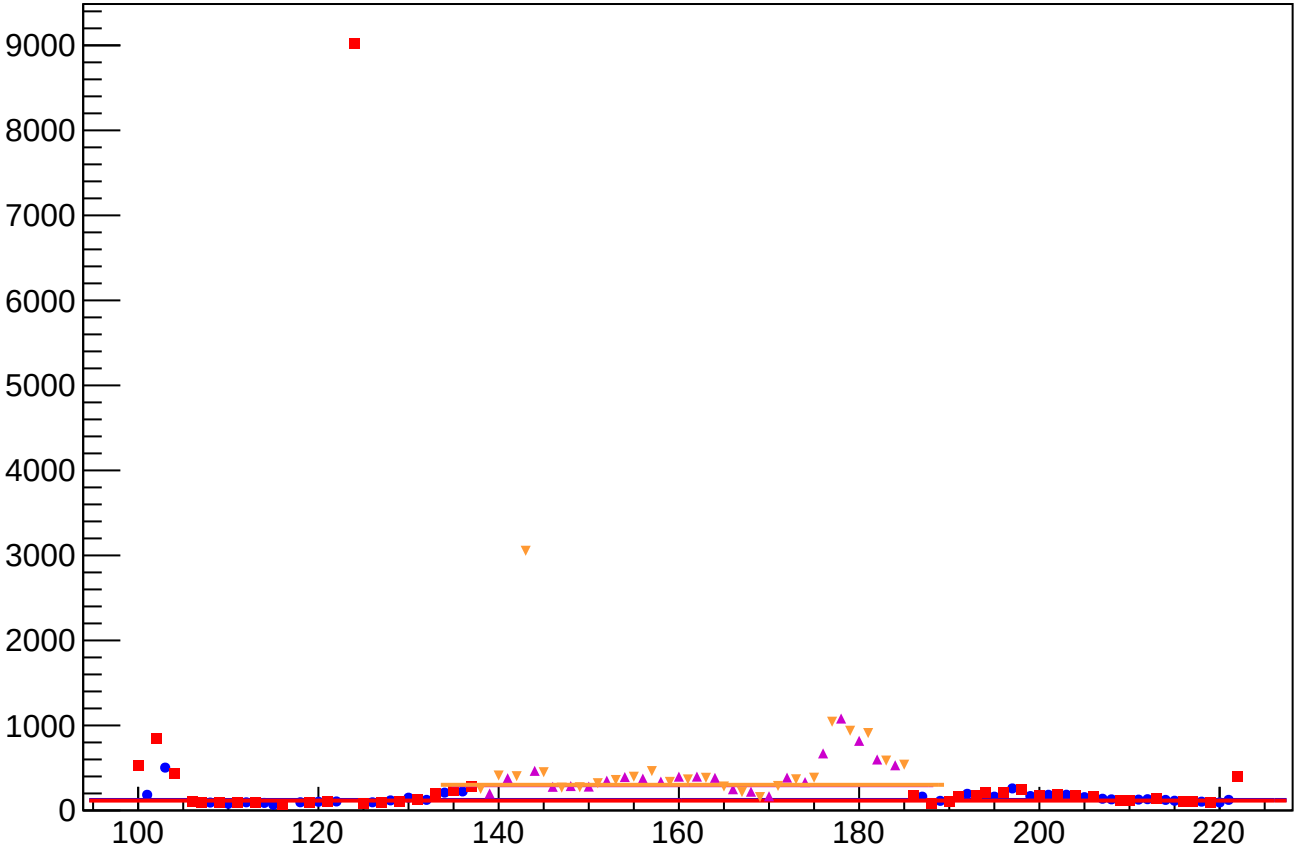
Right: 0.006+/-0.020 χ^2/NDF: 80.8/71

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.022+/-0.026 χ^2/NDF:77.2/62

All: 0.012+/-0.019 χ^2/NDF: 135.5/119

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 116.106+/-0.019 χ^2/NDF: 6377531.7/37

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

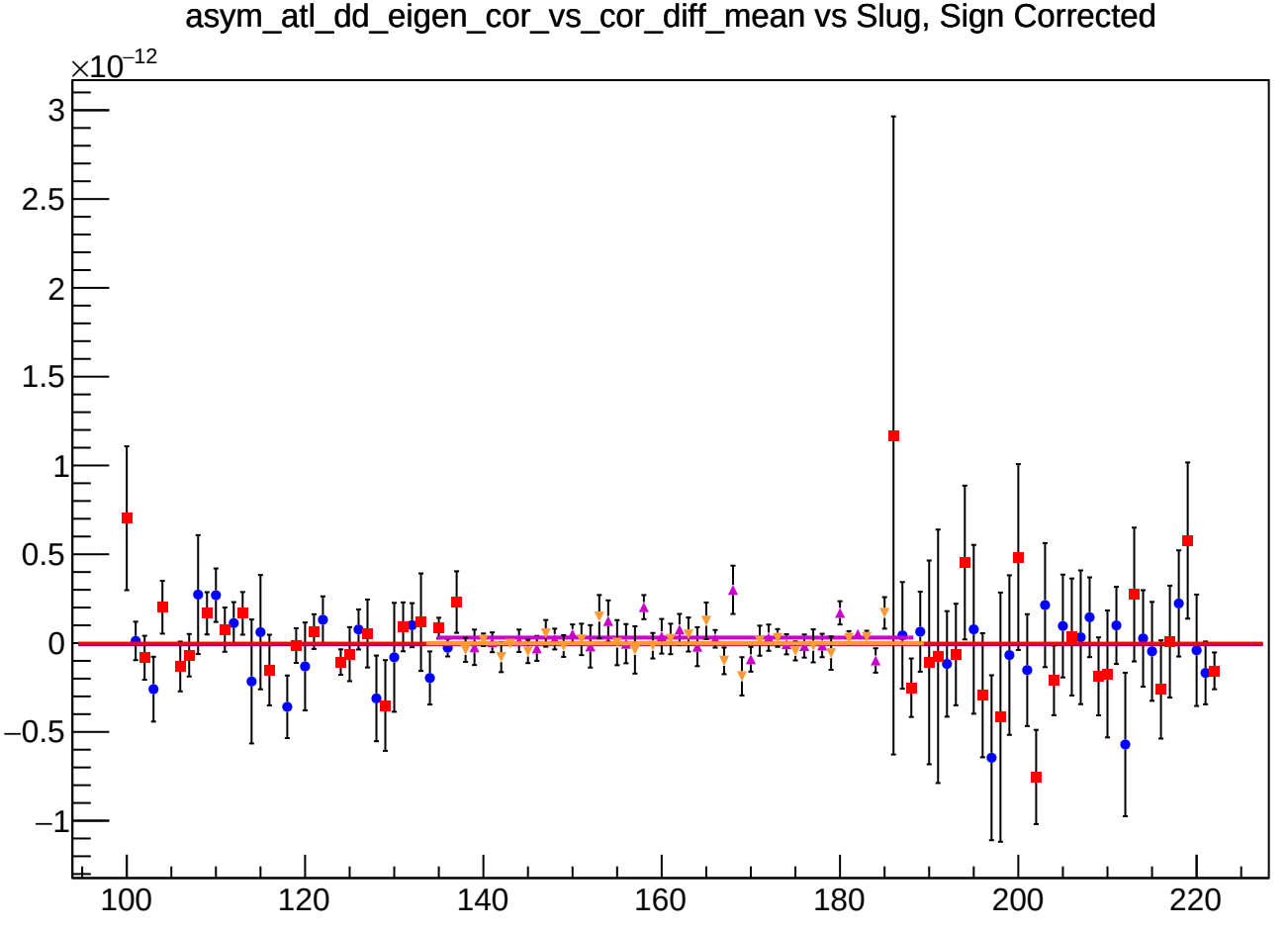
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.573+/-0.014 χ^2/NDF: 10188907.0/71

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 137.134+/-0.018 χ^2/NDF:23396172.0/62

All: 140.814+/-0.013 χ^2/NDF: 41353482.9/11



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: 42.2/37

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

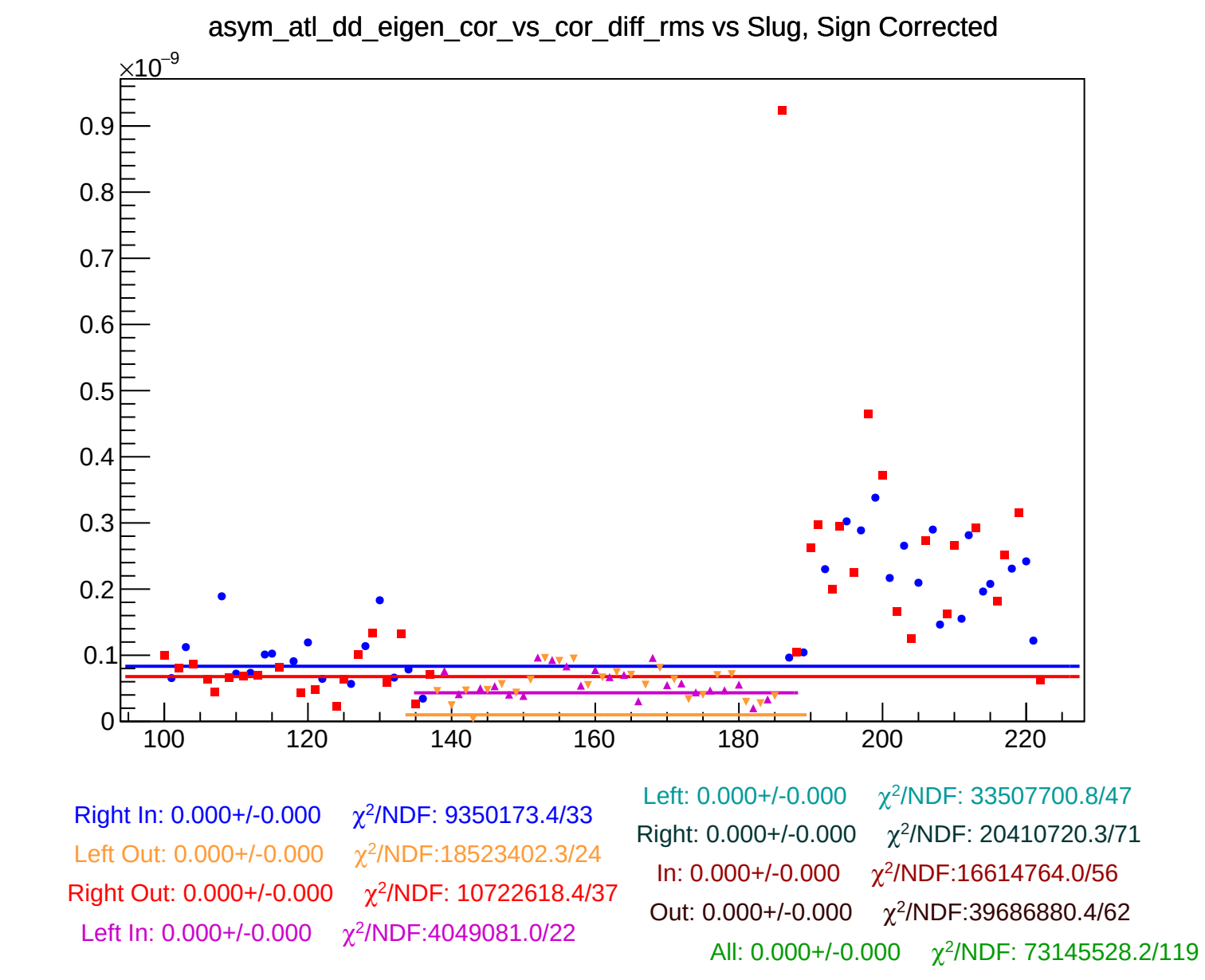
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: -0.000+/-0.000 χ^2/NDF: 66.8/71

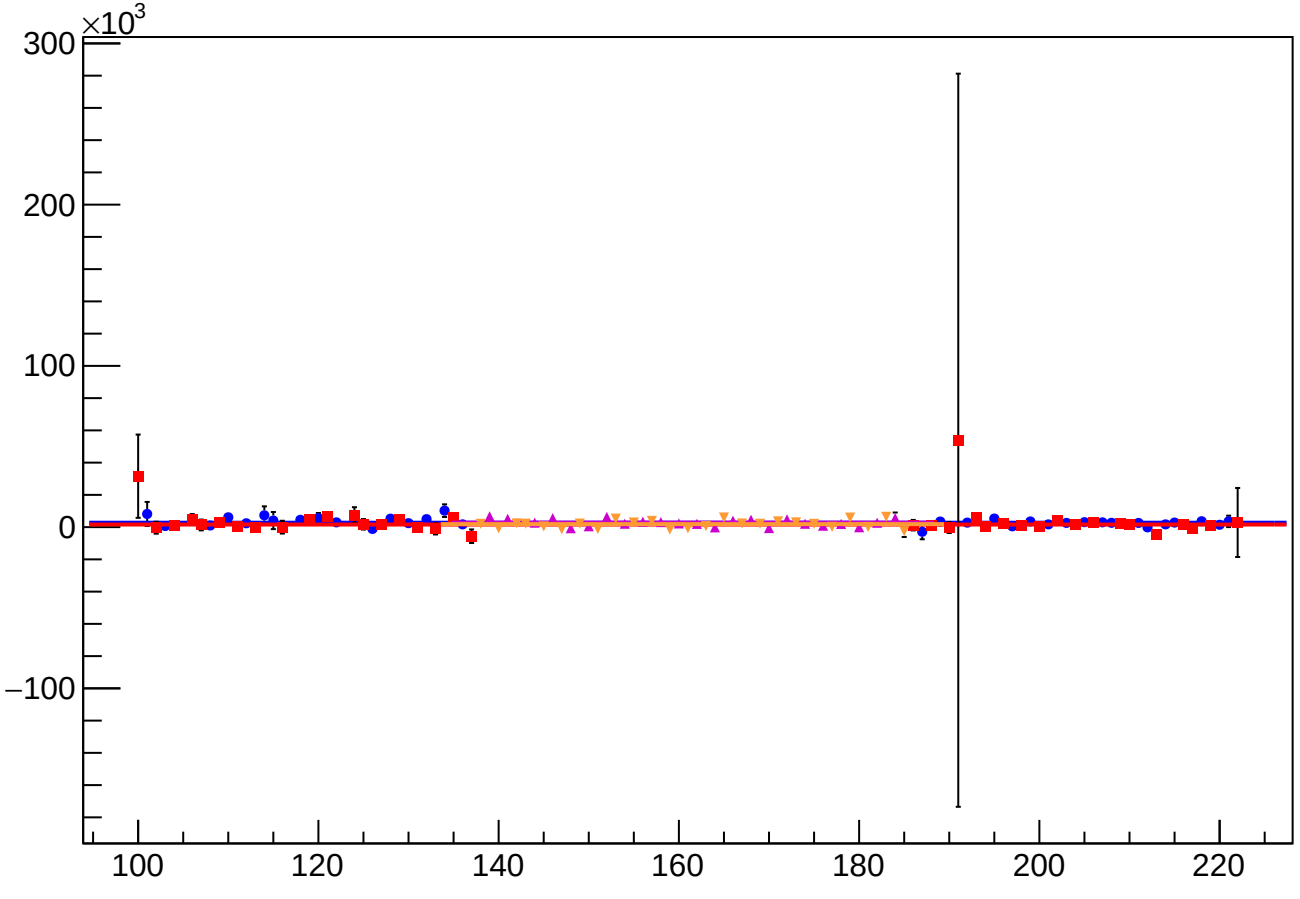
In: 0.000+/-0.000 χ^2/NDF:52.3/56

Out: -0.000+/-0.000 χ^2/NDF:59.9/62

All: 0.000+/-0.000 χ^2/NDF: 116.2/119


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: 10722618.4/37
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: 20410720.3/71
In: 0.000+/-0.000 χ²/NDF:16614764.0/56
Out: 0.000+/-0.000 χ²/NDF:39686880.4/62
All: 0.000+/-0.000 χ²/NDF: 73145528.2/119

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: 1605.645+/-427.181 χ^2/NDF: 34.2/37

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

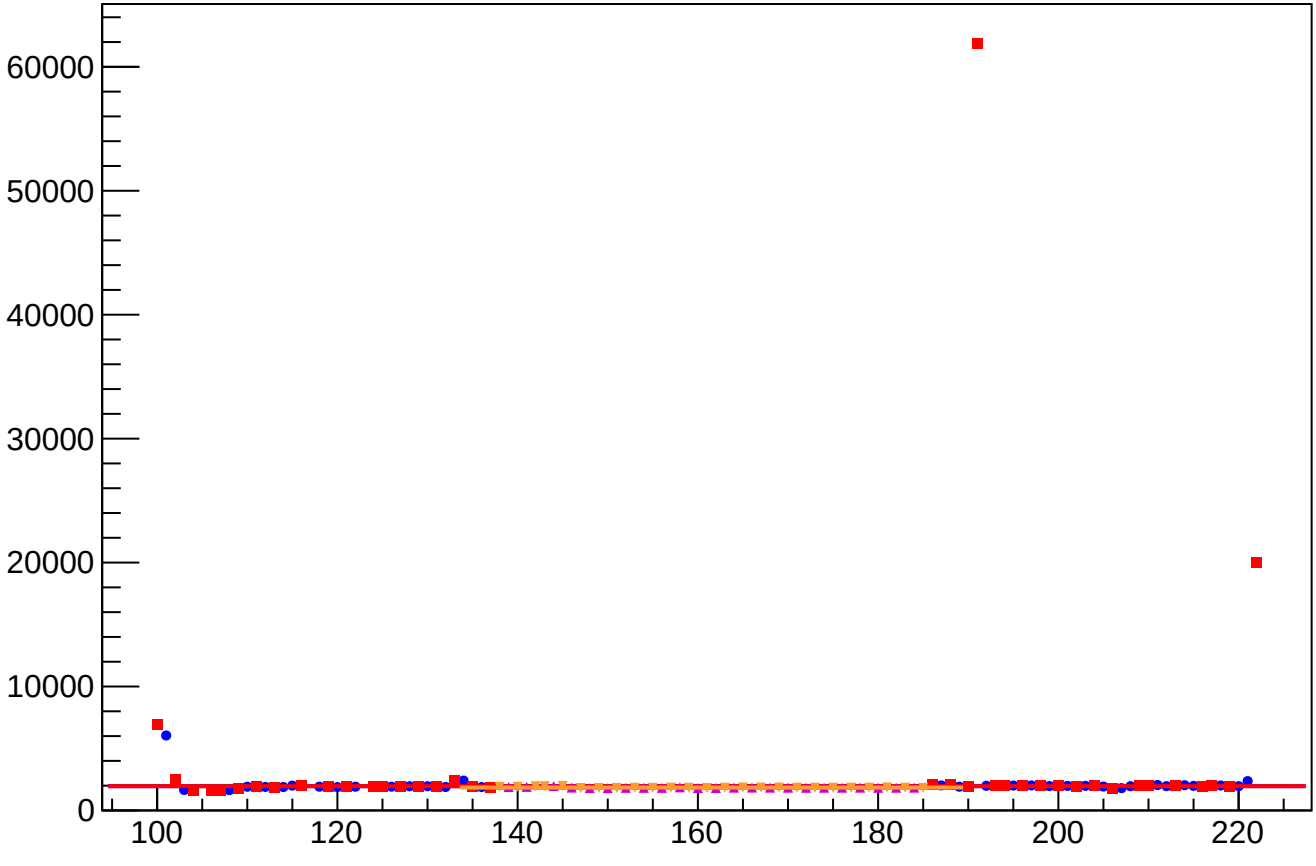
Right: 2172.930+/-301.695 χ^2/NDF: 56.8/71

In: 2756.405+/-302.986 χ^2/NDF:44.6/56

Out: 1730.908+/-299.494 χ^2/NDF:65.8/62

All: 2237.712+/-212.998 χ^2/NDF: 116.2/119

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: 1959.529+/-0.302 χ^2/NDF: 1851509.2/37

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

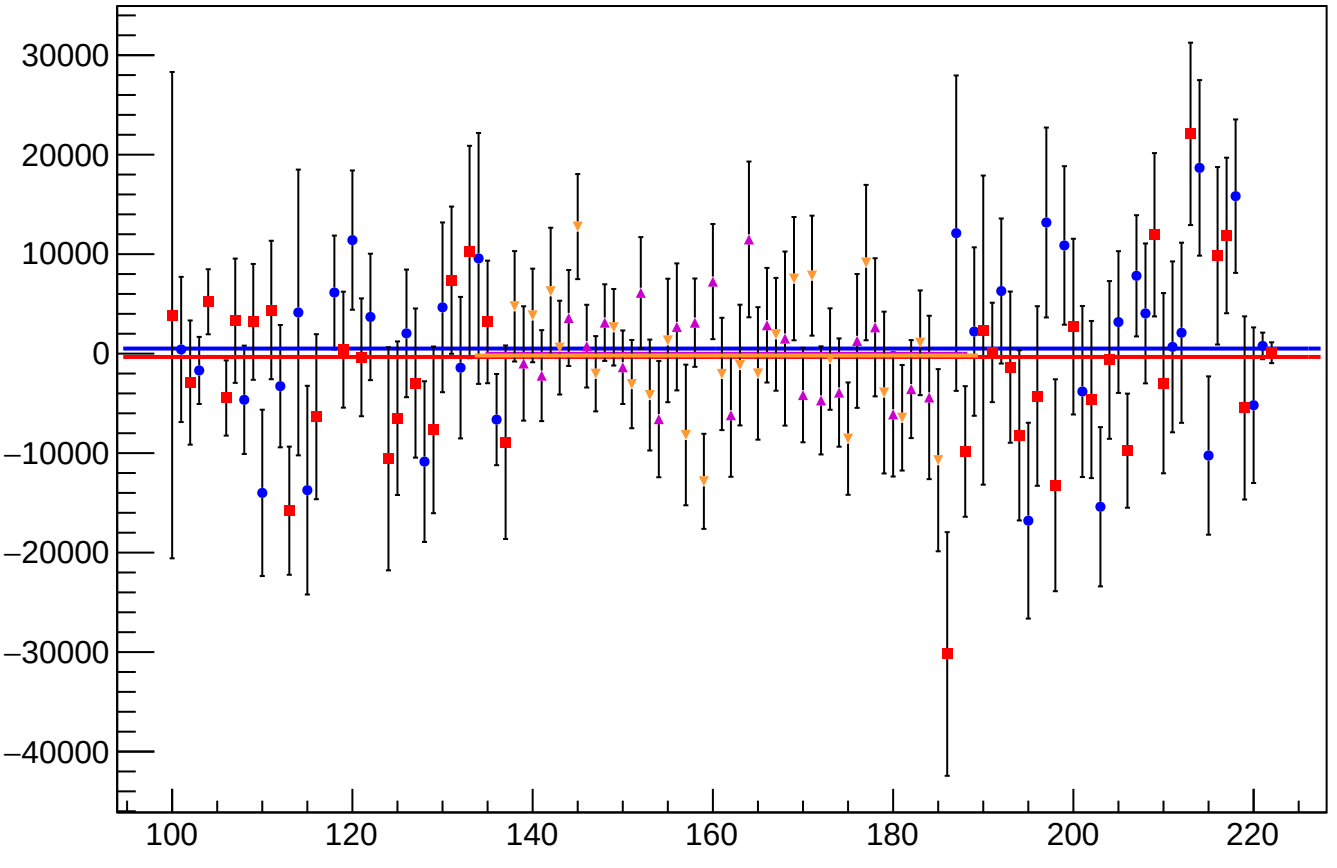
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1959.394+/-0.213 χ^2/NDF: 2606889.1/71

In: 1902.790+/-0.214 χ^2/NDF:840427.6/56

Out: 1903.155+/-0.212 χ^2/NDF:1941154.4/62

All: 1902.975+/-0.151 χ^2/NDF: 2781583.4/11



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: -333.405+/-771.967 χ^2/NDF: 43.5/37

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

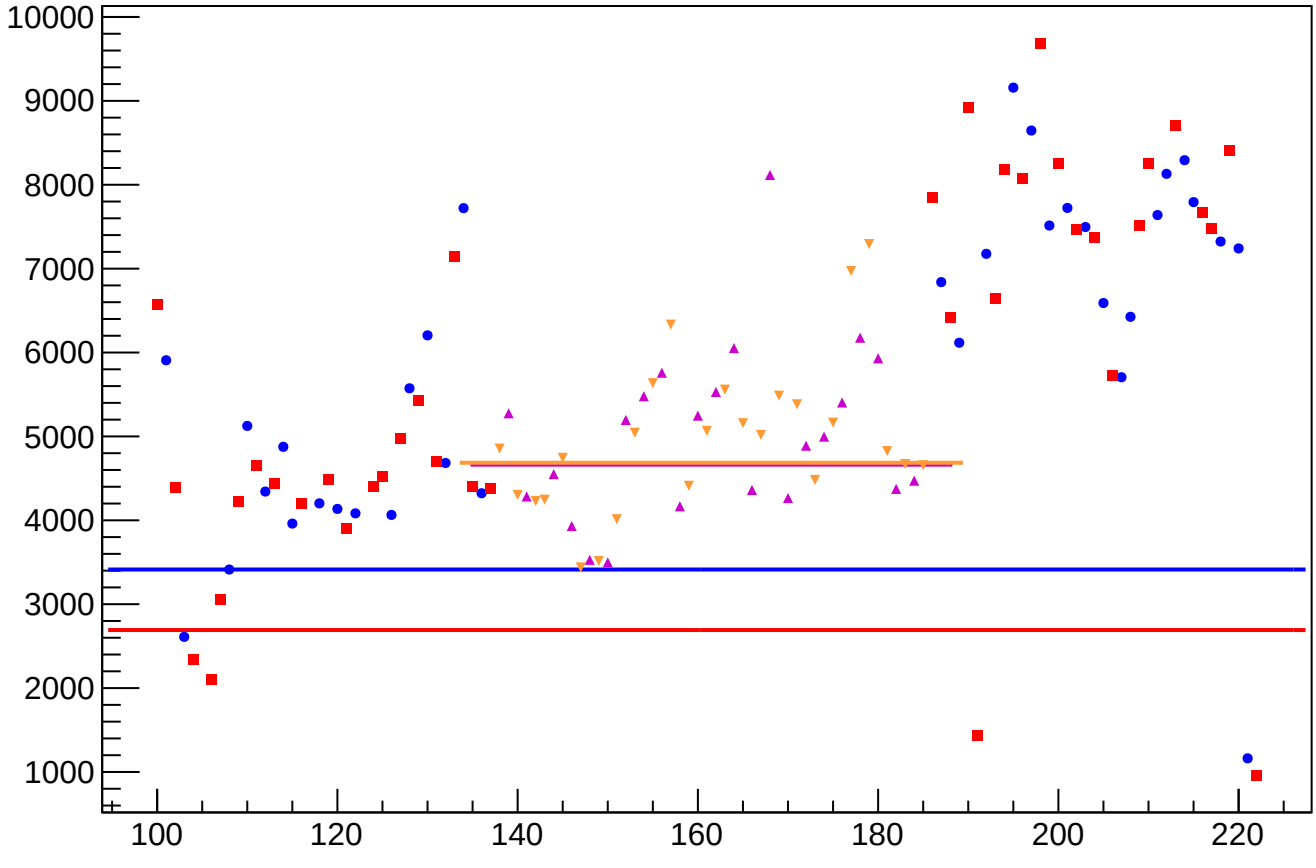
Right: 20.912+/-587.862 χ^2/NDF: 83.9/71

In: 298.648+/-702.988 χ^2/NDF:53.8/56

Out: -285.240+/-629.708 χ^2/NDF:72.4/62

All: -25.305+/-469.046 χ^2/NDF: 126.6/119

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: 2691.968+/-0.546 χ^2/NDF: 19444729.7/37

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

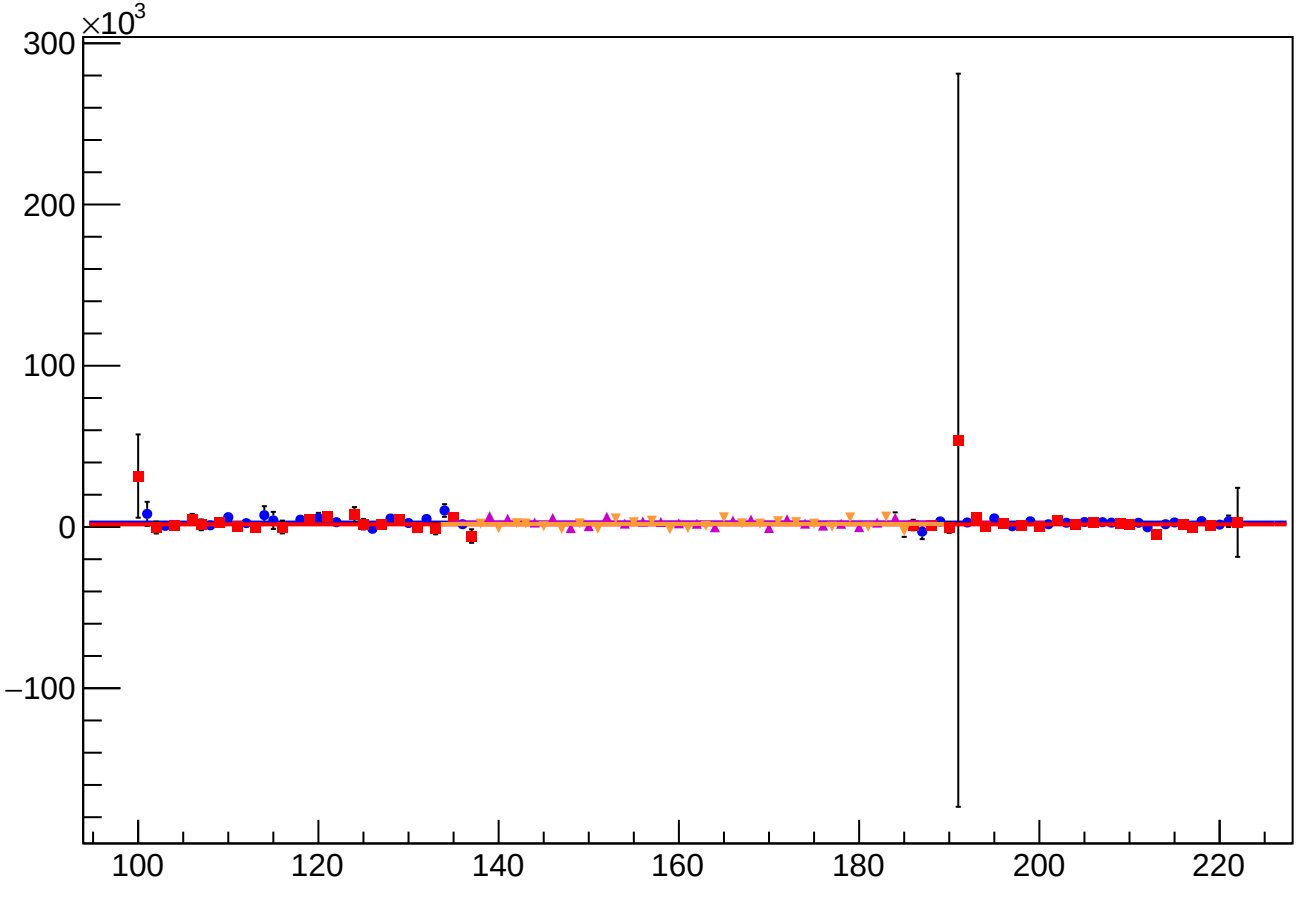
Right: 2995.080+/-0.416 χ^2/NDF: 35145801.0/71

In: 3912.461+/-0.497 χ^2/NDF:17769938.1/56

Out: 3359.291+/-0.445 χ^2/NDF:25096415.5/62

All: 3605.550+/-0.332 χ^2/NDF: 43553428.3/1

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: 1606.081+/-427.182 χ^2/NDF: 34.2/37

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

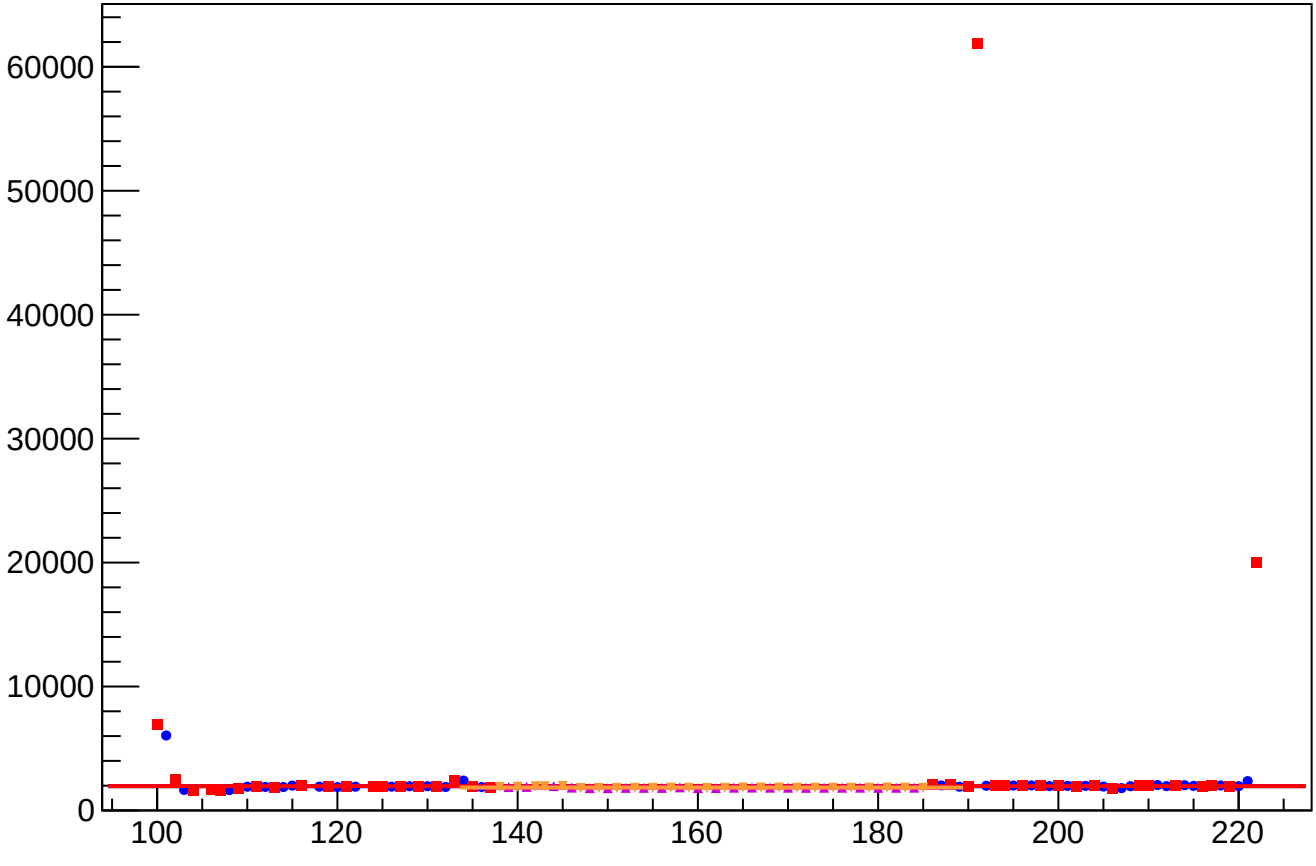
Right: 2173.006+/-301.696 χ^2/NDF: 56.8/71

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1731.066+/-299.494 χ^2/NDF:65.9/62

All: 2237.716+/-212.998 χ^2/NDF: 116.2/119

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: 1961.065+/-0.302 χ^2/NDF: 1842826.0/37

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

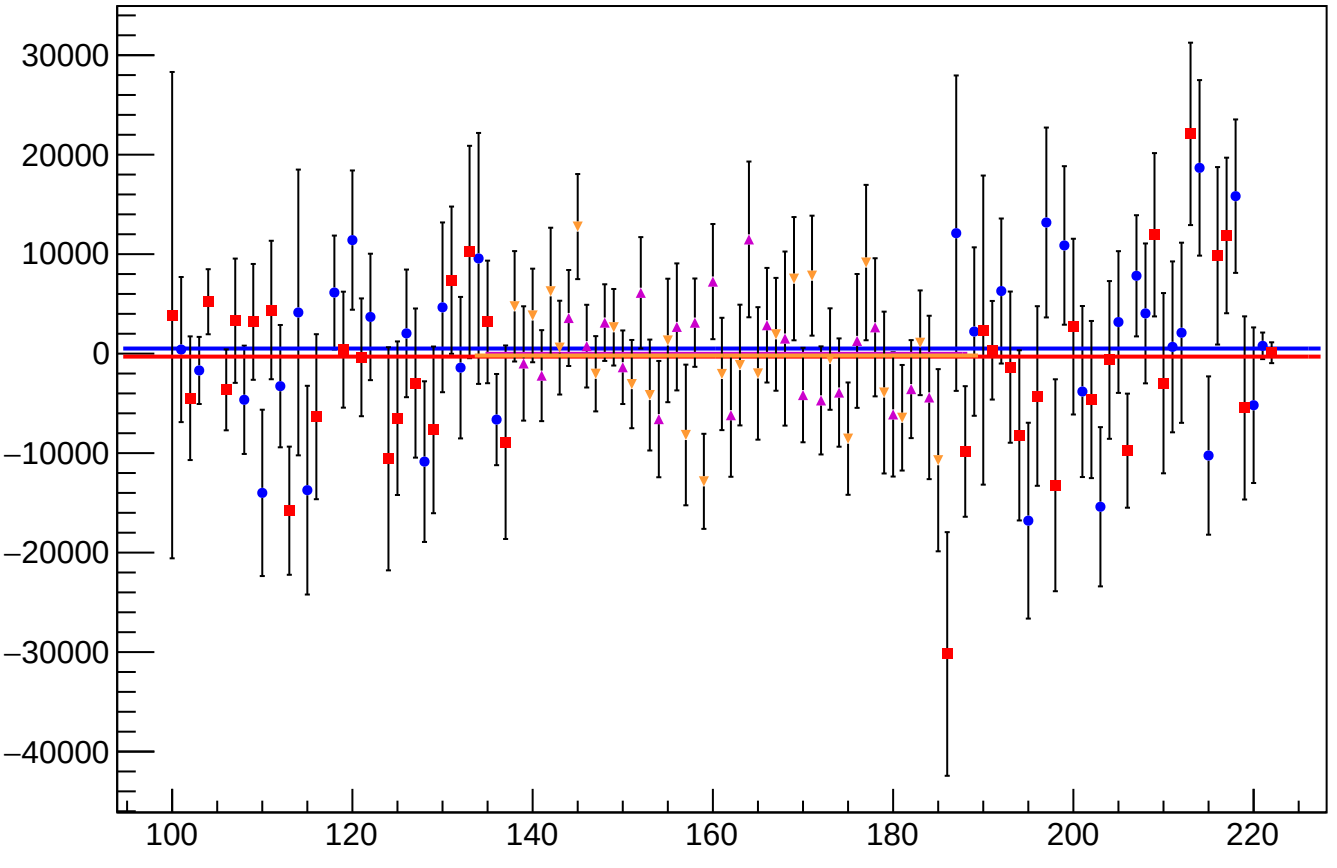
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1960.161+/-0.213 χ^2/NDF: 2598222.4/71

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1903.872+/-0.212 χ^2/NDF:1934338.1/62

All: 1903.338+/-0.151 χ^2/NDF: 2774777.7/11



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: -299.113+/-773.924 χ^2/NDF: 43.2/37

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

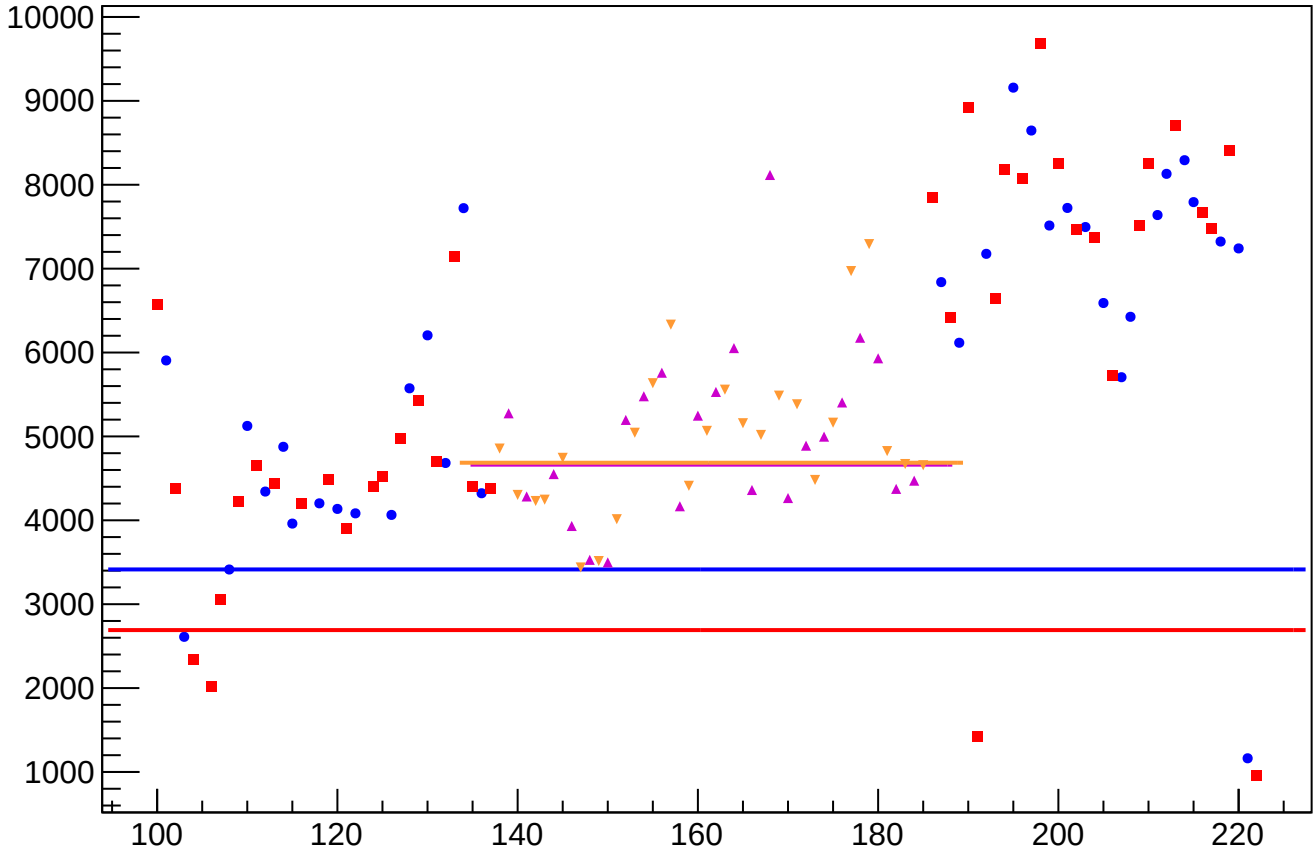
Right: 43.076+/-588.759 χ^2/NDF: 83.7/71

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -262.308+/-630.769 χ^2/NDF:72.2/62

All: -11.313+/-469.502 χ^2/NDF: 126.4/119

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: 2691.396+/-0.547 χ^2/NDF: 19454414.3/37

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

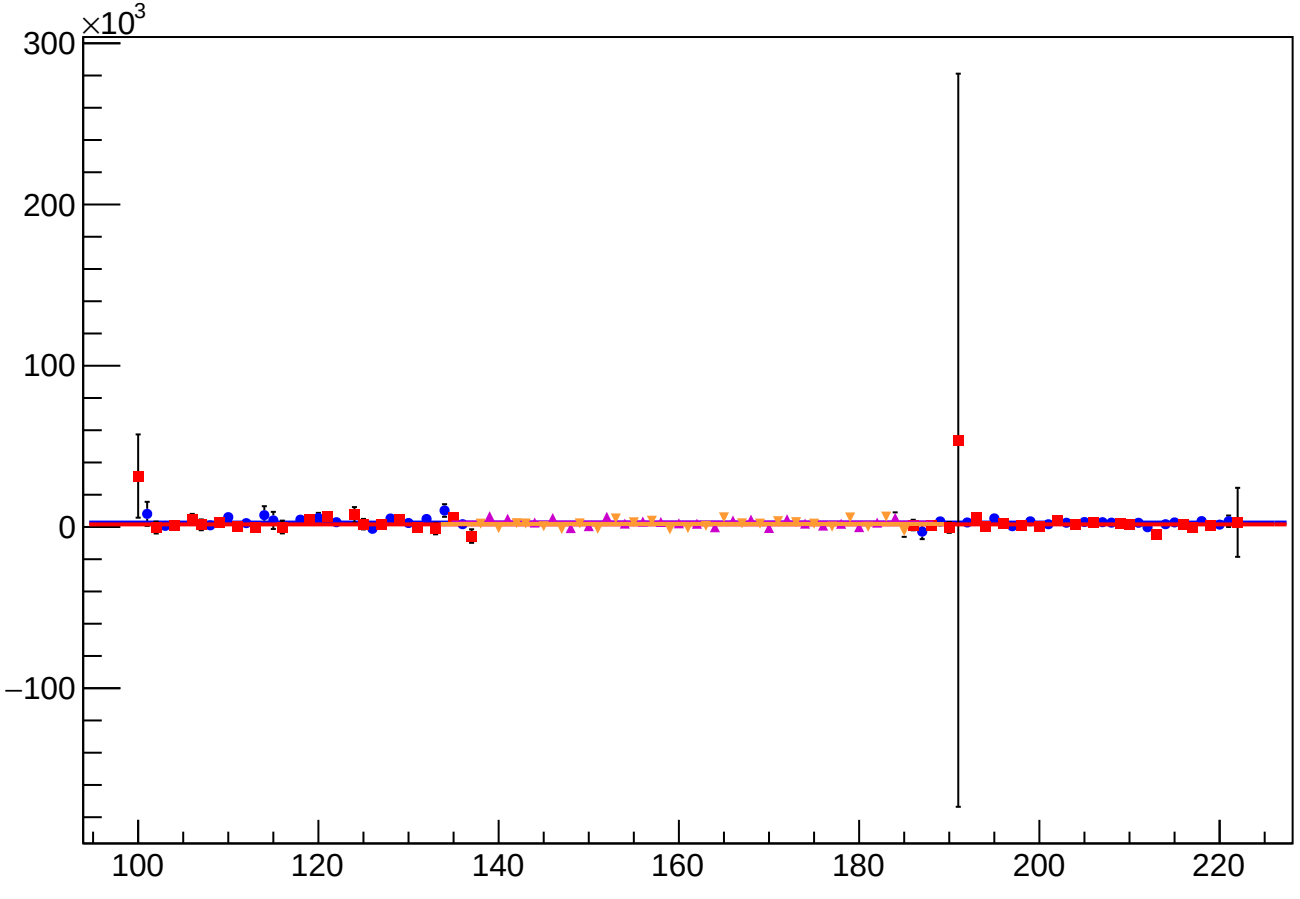
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 2995.945+/-0.416 χ^2/NDF: 35150825.7/71

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 3361.160+/-0.446 χ^2/NDF:25101083.1/62

All: 3607.286+/-0.332 χ^2/NDF: 43545770.3/1



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: 1606.081+/-427.182 χ^2/NDF: 34.2/37

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

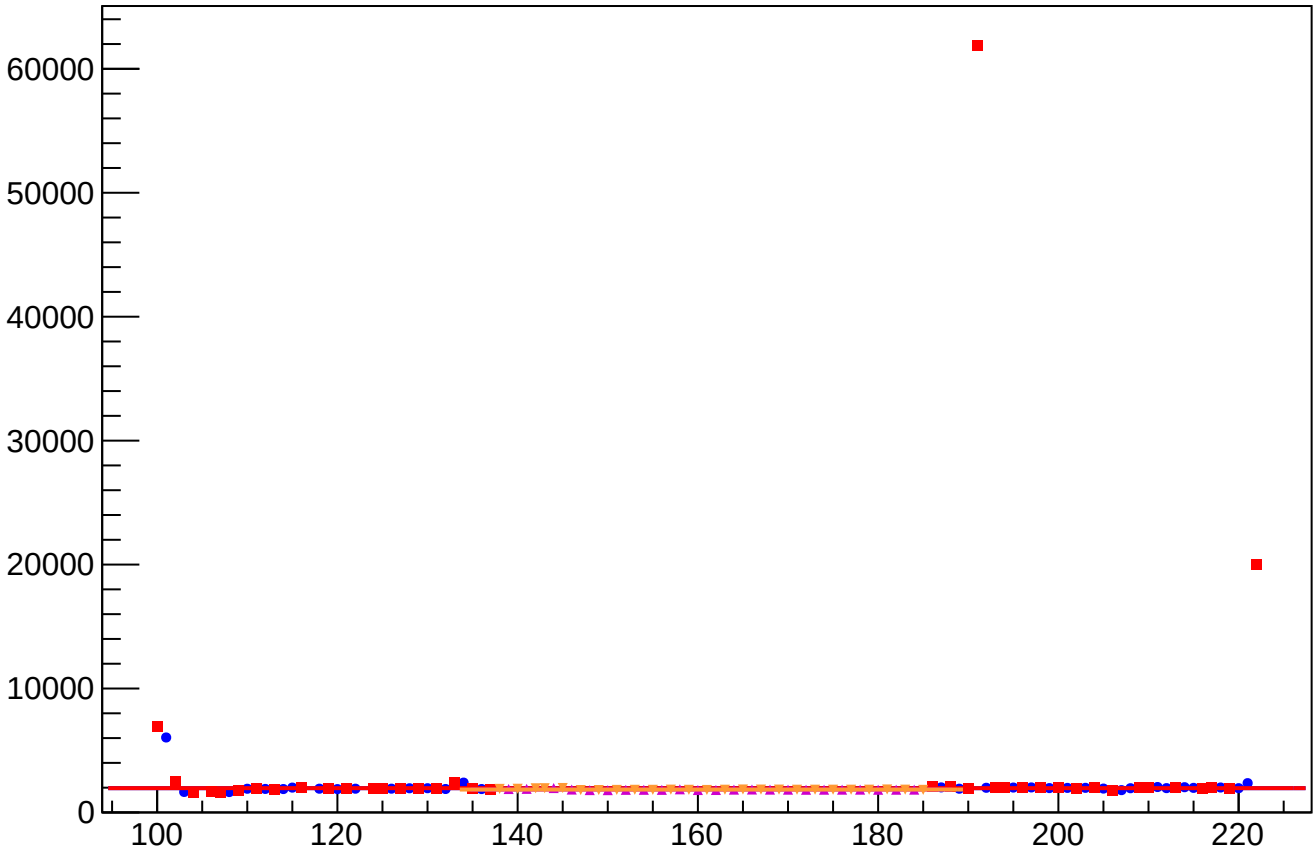
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2173.006+/-301.696 χ^2/NDF: 56.8/71

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1731.066+/-299.494 χ^2/NDF:65.9/62

All: 2237.716+/-212.998 χ^2/NDF: 116.2/119



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: 1961.065+/-0.302 χ^2/NDF: 1842826.0/37

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

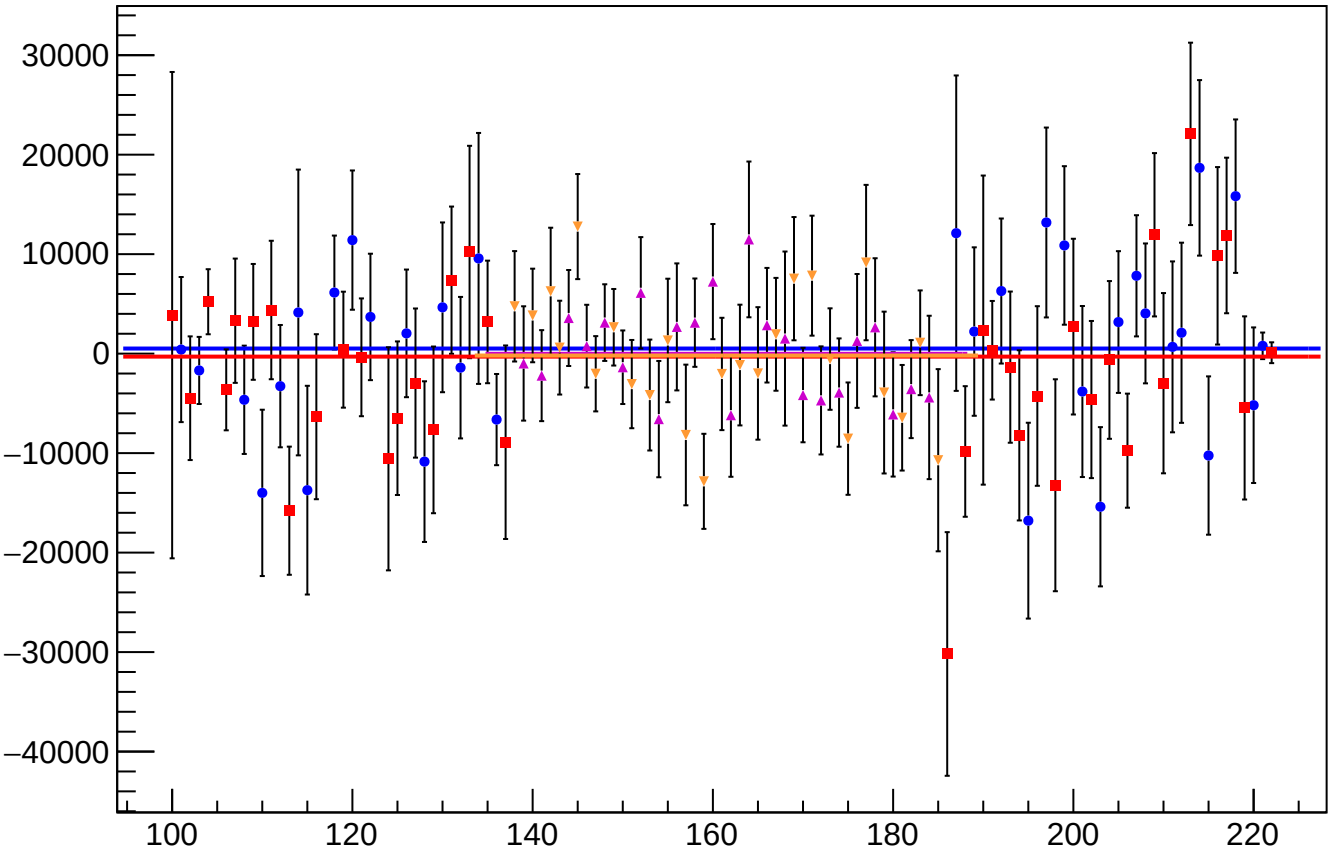
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1960.161+/-0.213 χ^2/NDF: 2598222.4/71

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1903.872+/-0.212 χ^2/NDF:1934338.1/62

All: 1903.338+/-0.151 χ^2/NDF: 2774777.7/11



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: -299.113+/-773.924 χ^2/NDF: 43.2/37

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

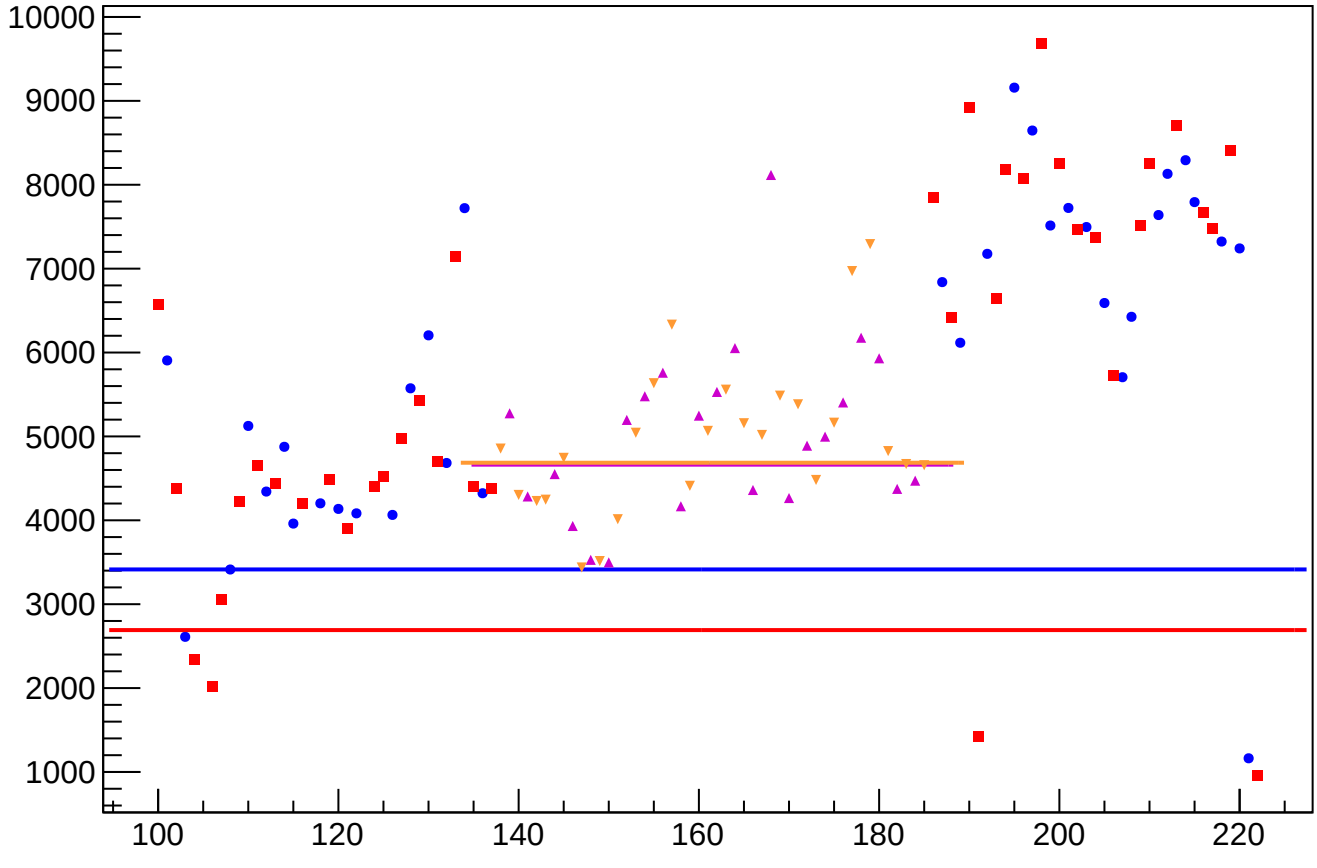
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: 43.076+/-588.759 χ^2/NDF: 83.7/71

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -262.308+/-630.769 χ^2/NDF:72.2/62

All: -11.313+/-469.502 χ^2/NDF: 126.4/119



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: 2691.396+/-0.547 χ^2/NDF: 19454414.3/37

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

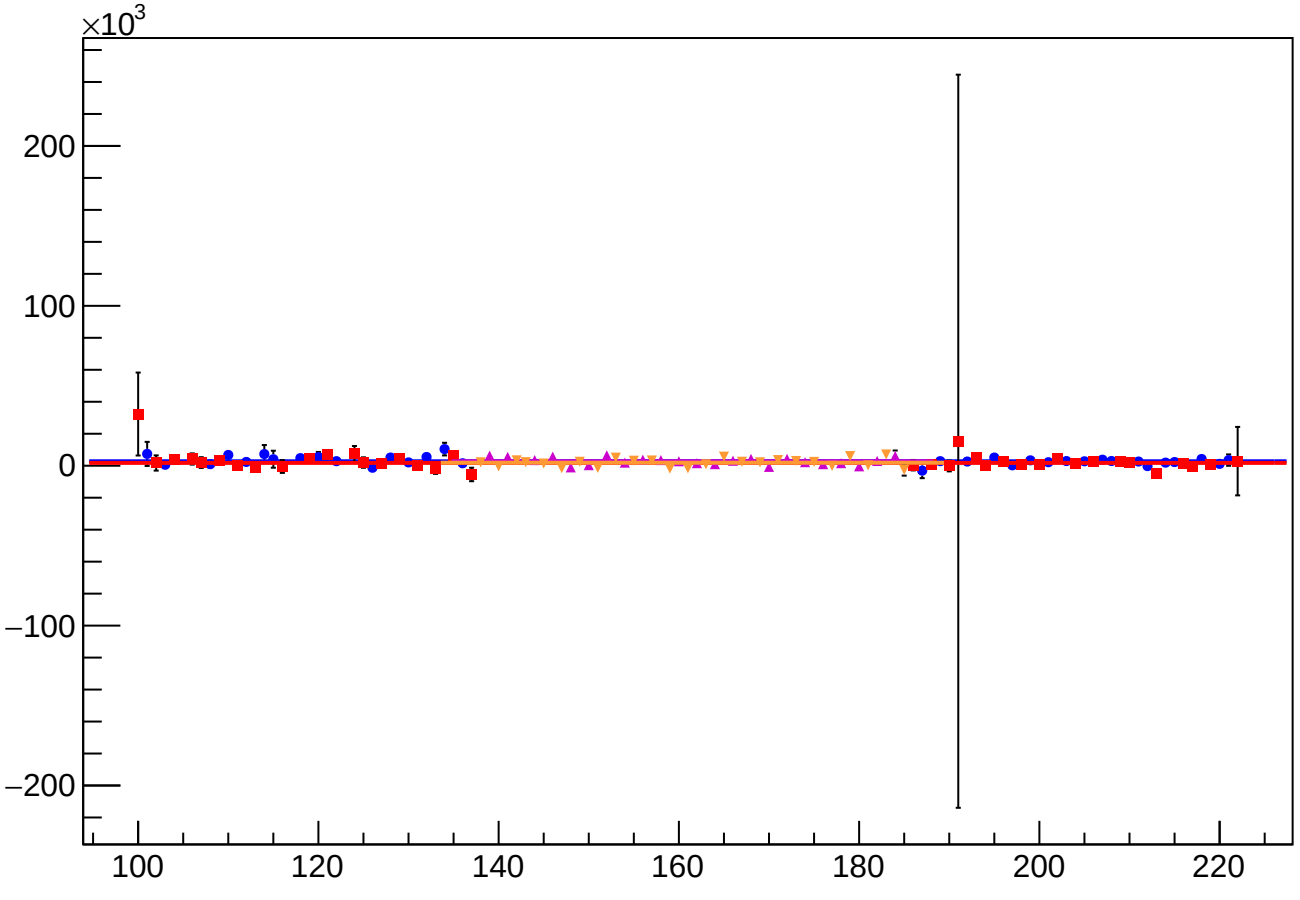
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 2995.945+/-0.416 χ^2/NDF: 35150825.7/71

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 3361.160+/-0.446 χ^2/NDF:25101083.1/62

All: 3607.286+/-0.332 χ^2/NDF: 43545770.3/1



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: 1775.981+/-435.553 χ^2/NDF: 35.7/37

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

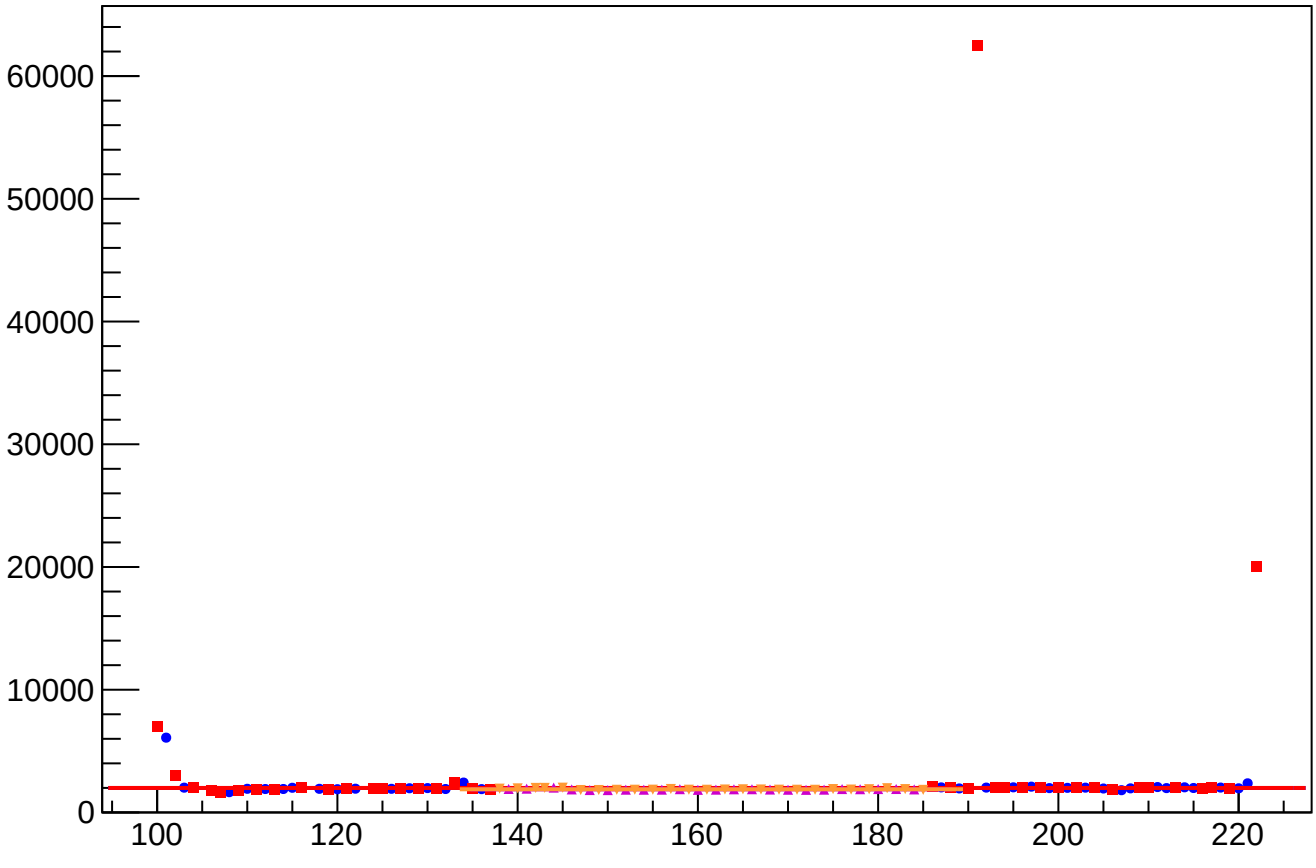
Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

Right: 2277.785+/-307.216 χ^2/NDF: 58.5/71

In: 2786.370+/-308.500 χ^2/NDF:45.5/56

Out: 1829.252+/-305.632 χ^2/NDF:68.7/62

All: 2303.342+/-217.121 χ^2/NDF: 119.1/119



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: 1996.519+/-0.308 χ^2/NDF: 1855583.3/37

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

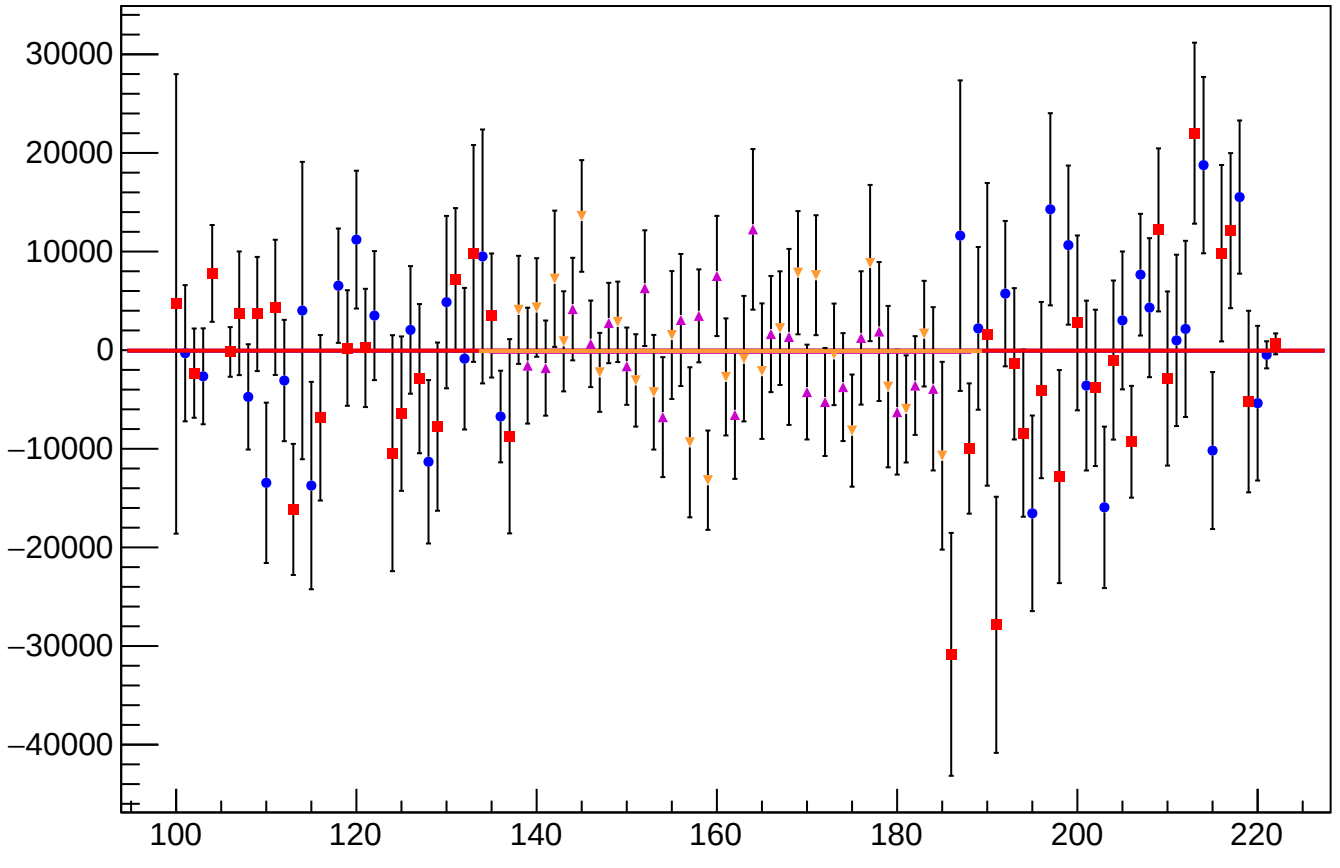
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1994.874+/-0.217 χ^2/NDF: 2574886.9/71

In: 1937.663+/-0.218 χ^2/NDF:804963.0/56

Out: 1941.221+/-0.216 χ^2/NDF:1951109.1/62

All: 1939.459+/-0.154 χ^2/NDF: 2756206.4/11



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: -46.177+/-773.513 χ^2/NDF: 46.9/37

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

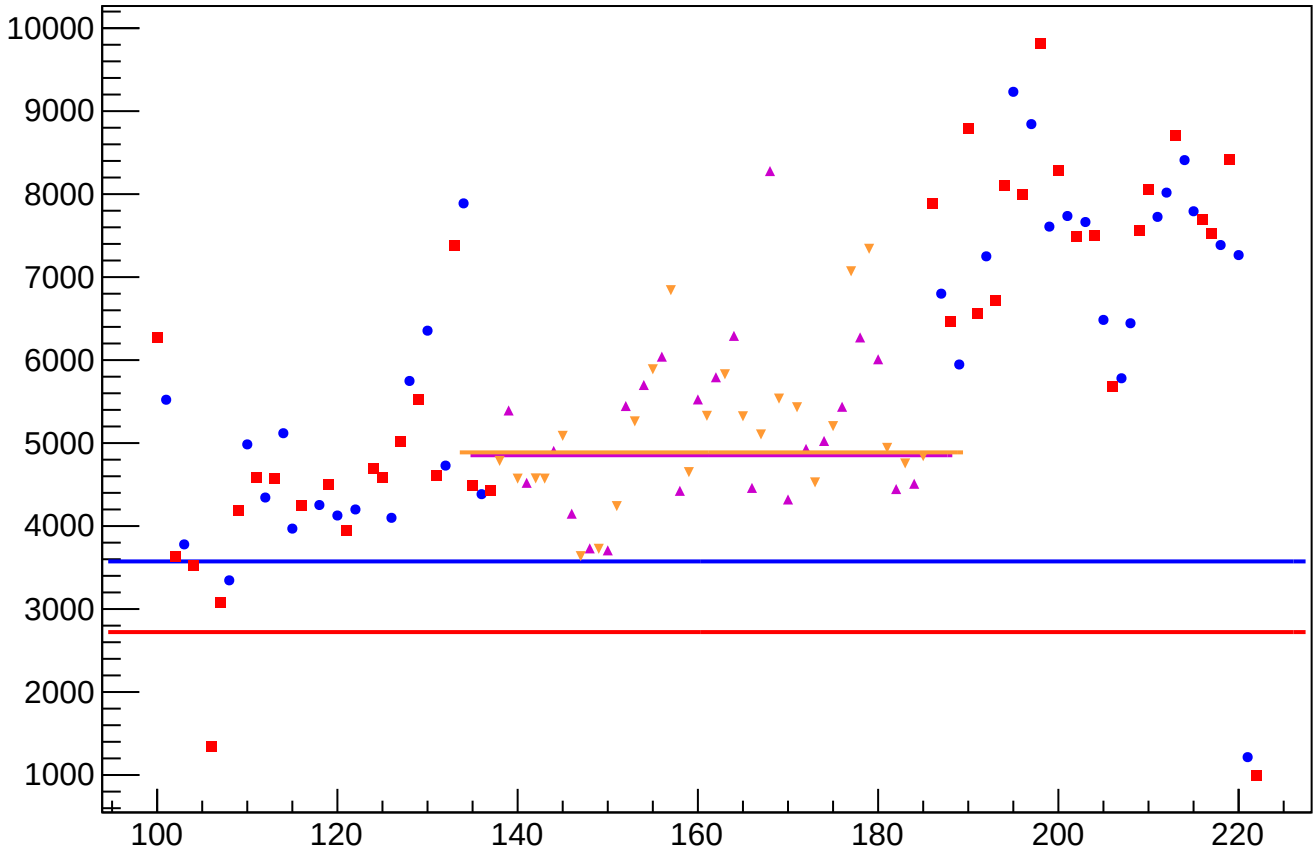
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -50.578+/-596.878 χ^2/NDF: 86.5/71

In: -104.751+/-728.587 χ^2/NDF:53.1/56

Out: -60.706+/-638.873 χ^2/NDF:75.0/62

All: -79.851+/-480.357 χ^2/NDF: 128.2/119



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: 2722.253+/-0.547 χ^2/NDF: 19683582.8/37

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

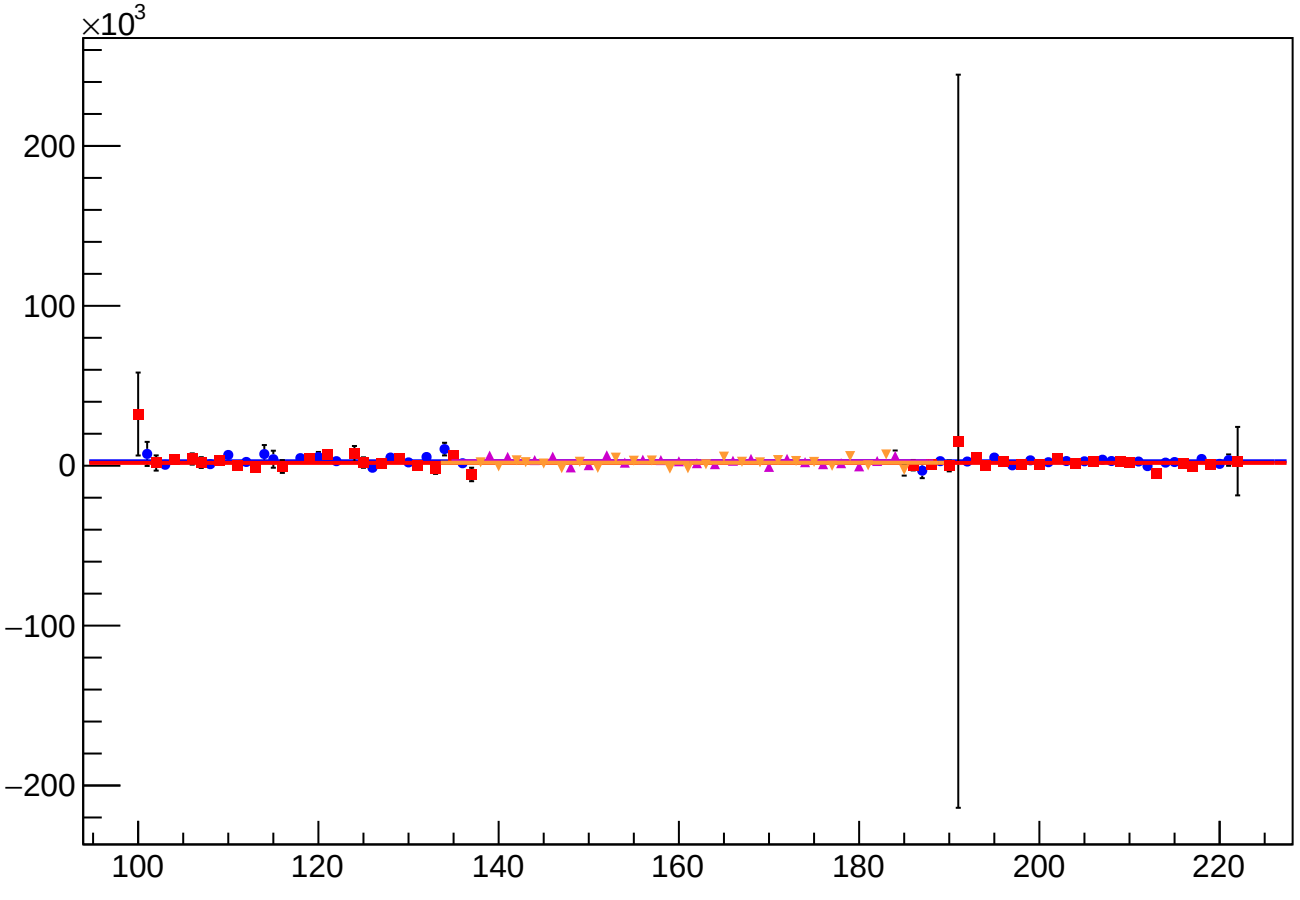
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 3066.806+/-0.422 χ^2/NDF: 35001110.1/71

In: 4082.107+/-0.515 χ^2/NDF:16991956.6/56

Out: 3410.530+/-0.452 χ^2/NDF:25729185.0/62

All: 3702.447+/-0.340 χ^2/NDF: 43681773.3/1



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: 1775.981+/-435.553 χ^2/NDF: 35.7/37

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

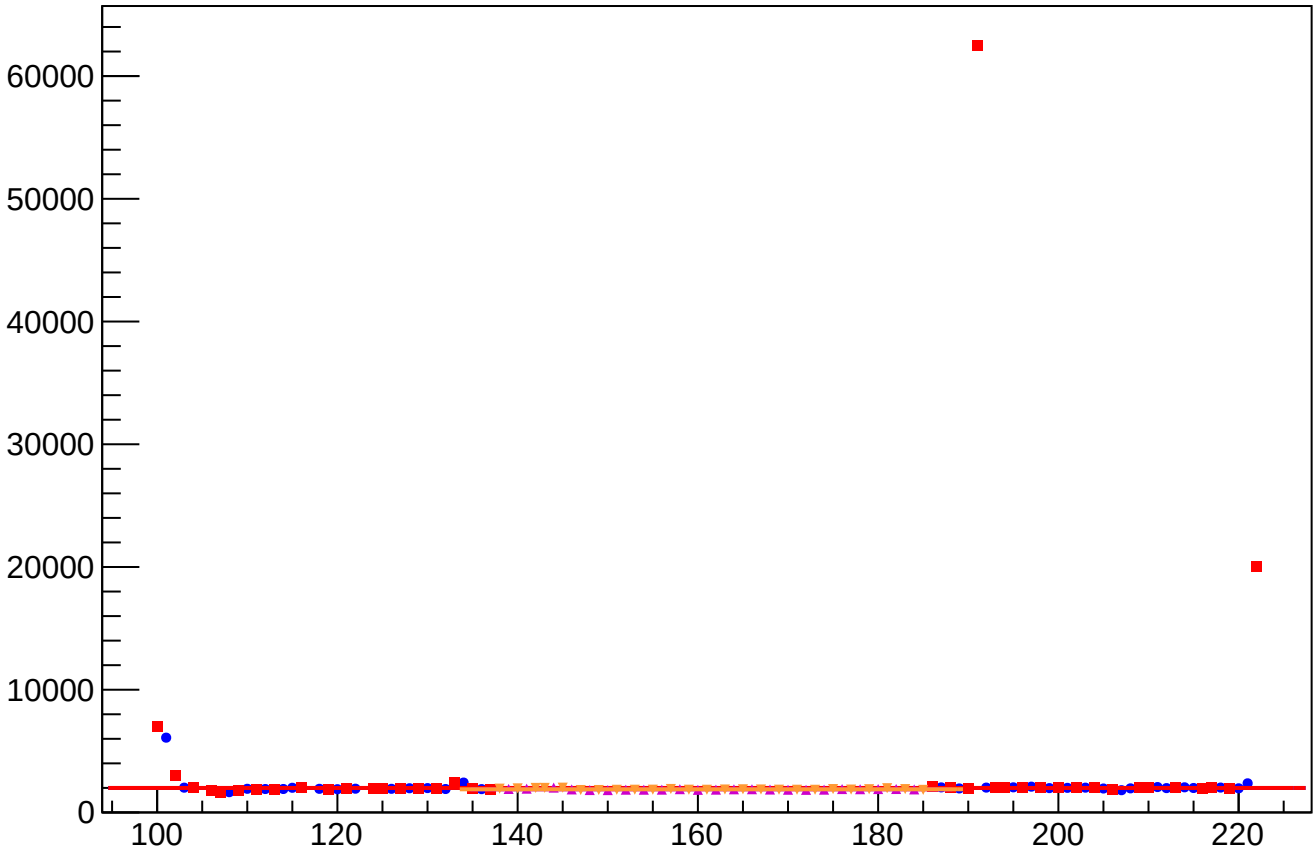
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2277.783+/-307.216 χ^2/NDF: 58.5/71

In: 2786.368+/-308.500 χ^2/NDF:45.5/56

Out: 1829.249+/-305.632 χ^2/NDF:68.7/62

All: 2303.340+/-217.121 χ^2/NDF: 119.1/119



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: 1996.519+/-0.308 χ^2/NDF: 1855582.8/37

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

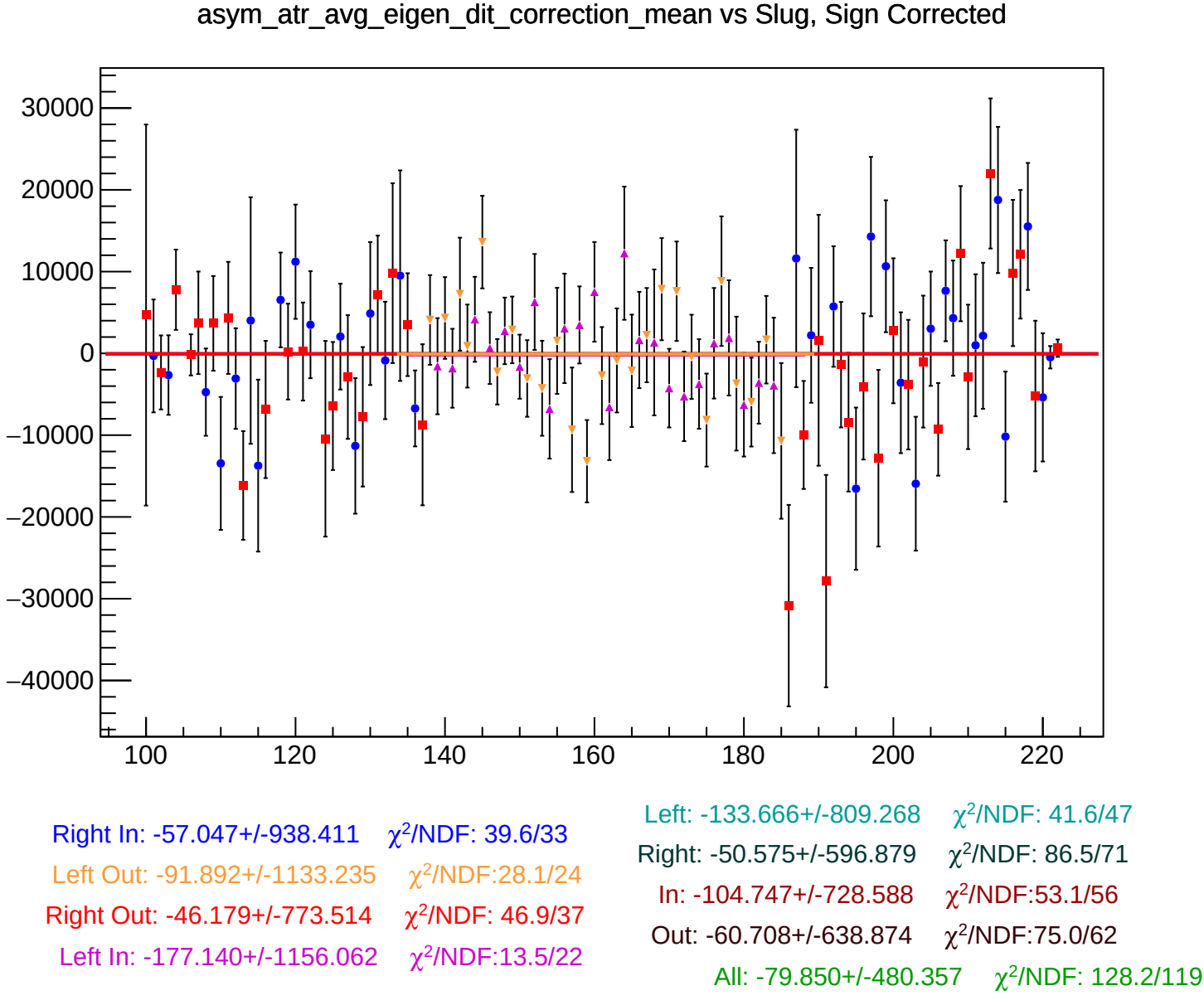
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

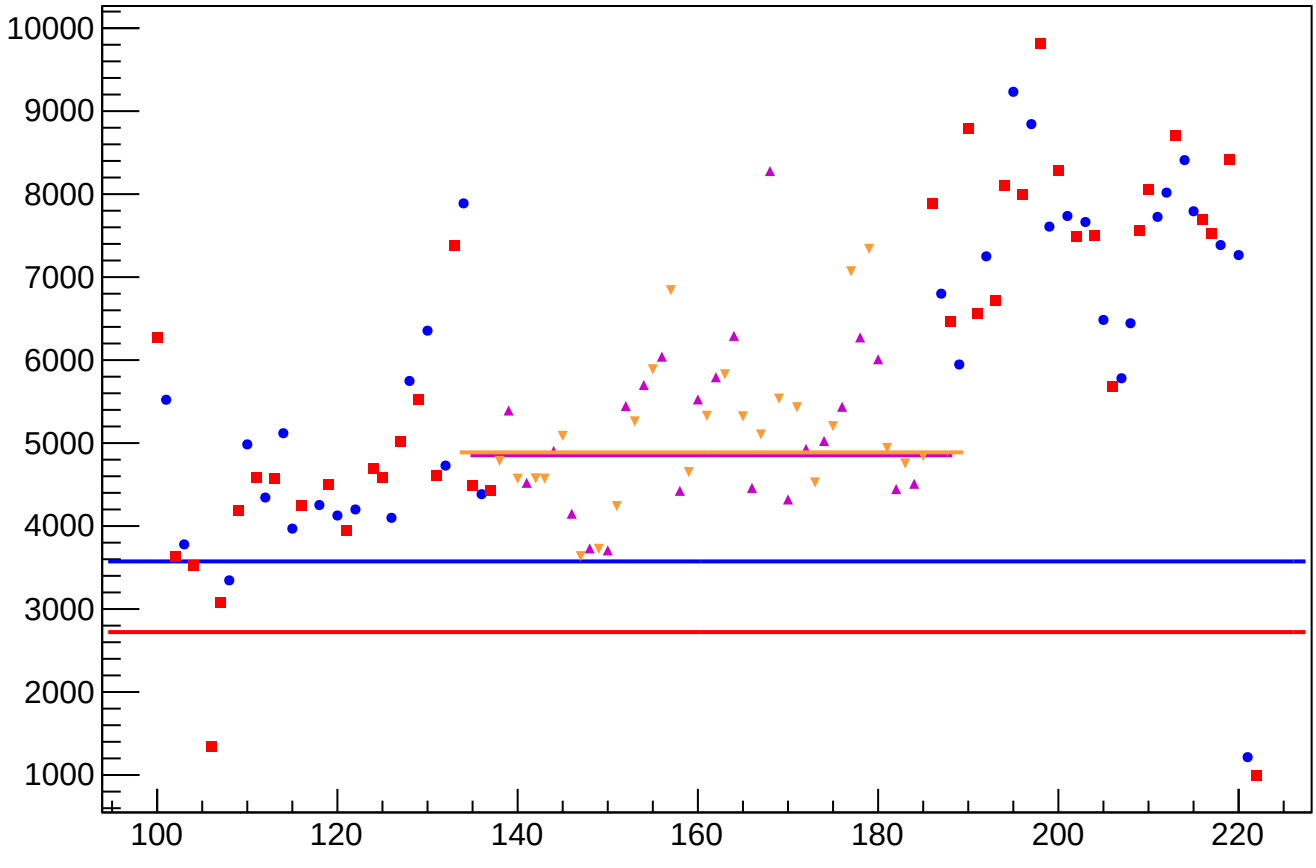
Right: 1994.873+/-0.217 χ^2/NDF: 2574886.7/71

In: 1937.664+/-0.218 χ^2/NDF:804962.2/56

Out: 1941.221+/-0.216 χ^2/NDF:1951107.8/62

All: 1939.459+/-0.154 χ^2/NDF: 2756204.2/11


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: -46.179+/-773.514 χ²/NDF: 46.9/37
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -50.575+/-596.879 χ²/NDF: 86.5/71
In: -104.747+/-728.588 χ²/NDF:53.1/56
Out: -60.708+/-638.874 χ²/NDF:75.0/62
All: -79.850+/-480.357 χ²/NDF: 128.2/119



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: 2722.258+/-0.547 χ^2/NDF: 19683539.3/37

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

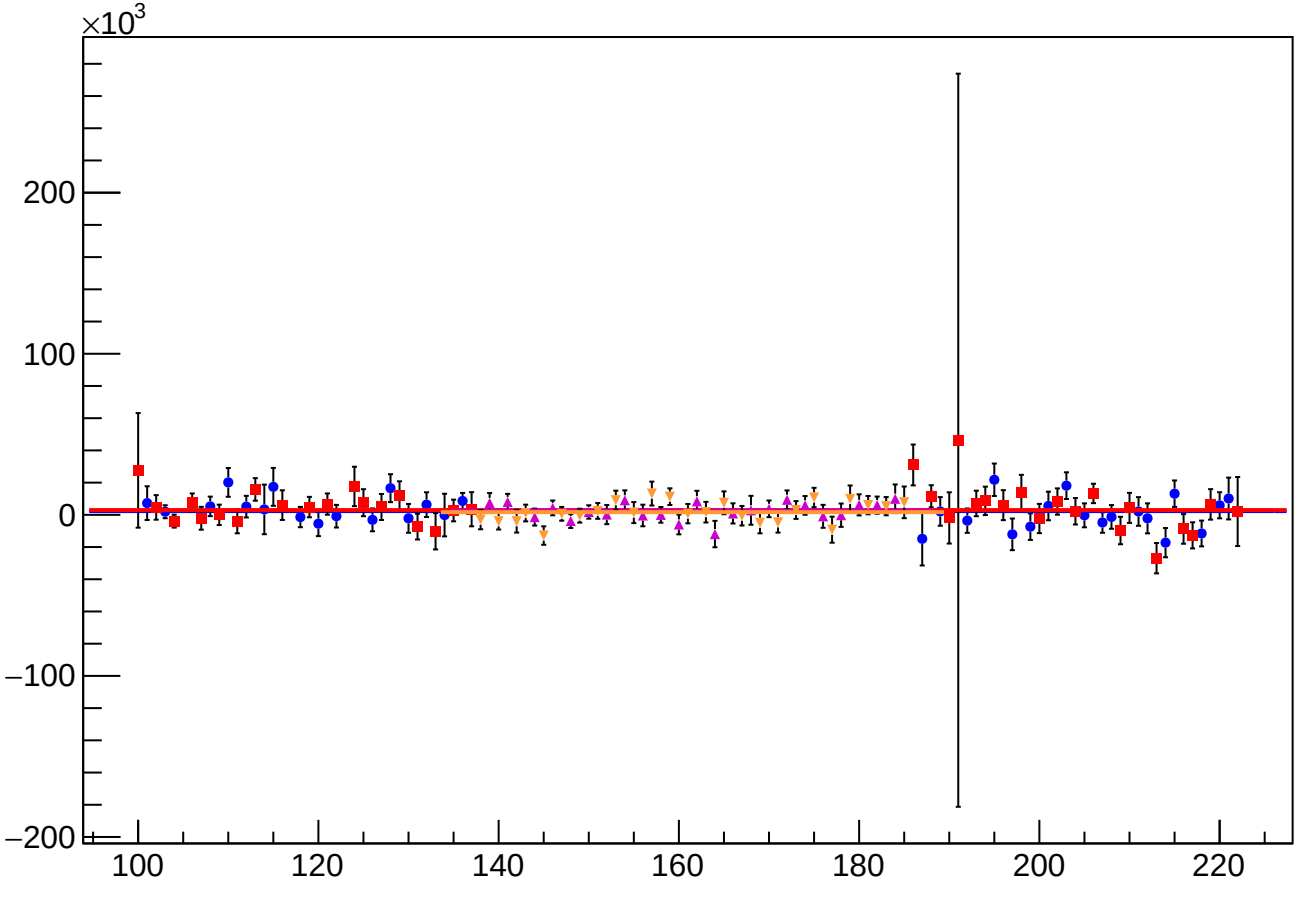
Right: 3066.813+/-0.422 χ^2/NDF: 35001013.6/71

In: 4082.115+/-0.515 χ^2/NDF:16991895.5/56

Out: 3410.535+/-0.452 χ^2/NDF:25729137.9/62

All: 3702.454+/-0.340 χ^2/NDF: 43681668.1/

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: 2954.749+/-1308.386 χ^2/NDF: 45.3/37

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

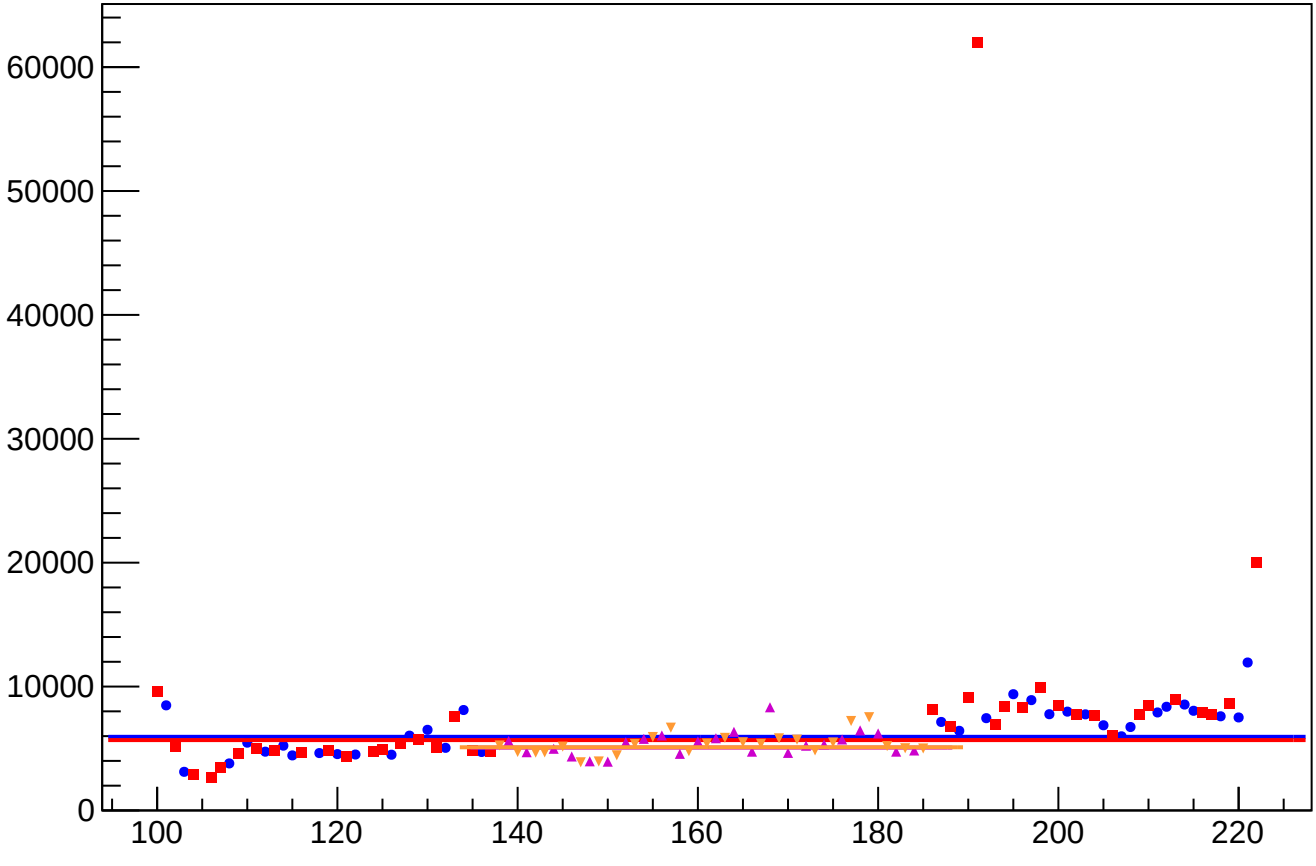
Right: 2648.763+/-934.940 χ^2/NDF: 83.2/71

In: 2458.683+/-894.719 χ^2/NDF:53.7/56

Out: 2237.046+/-875.718 χ^2/NDF:71.8/62

All: 2345.486+/-625.836 χ^2/NDF: 125.6/119

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: 5679.483+/-0.920 χ^2/NDF: 5659705.7/37

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

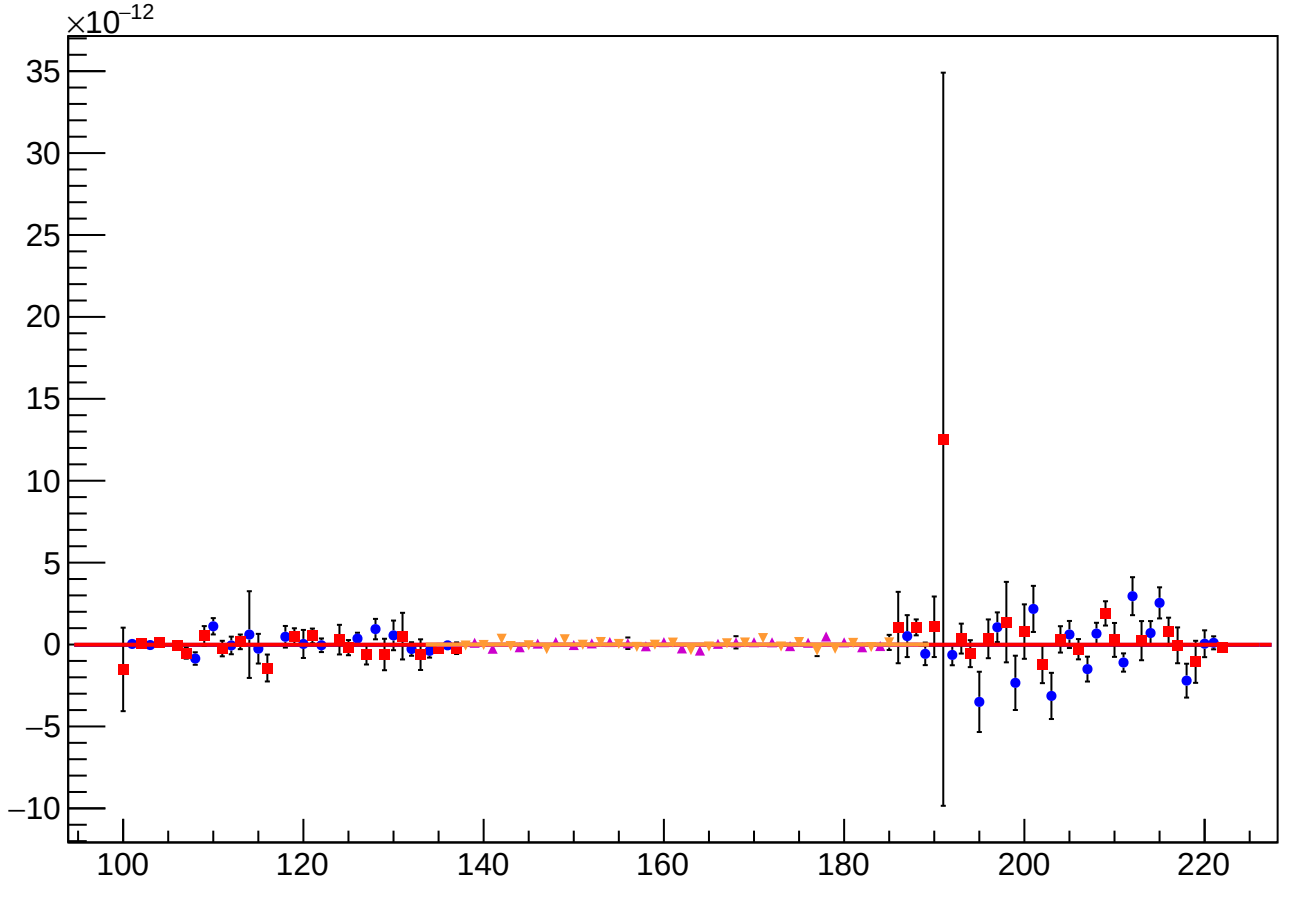
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5808.237+/-0.659 χ^2/NDF: 9667332.5/71

In: 5463.675+/-0.633 χ^2/NDF:5427511.8/56

Out: 5361.479+/-0.618 χ^2/NDF:6786401.2/62

All: 5411.358+/-0.442 χ^2/NDF: 12227270.8/1



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: 32.3/37

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

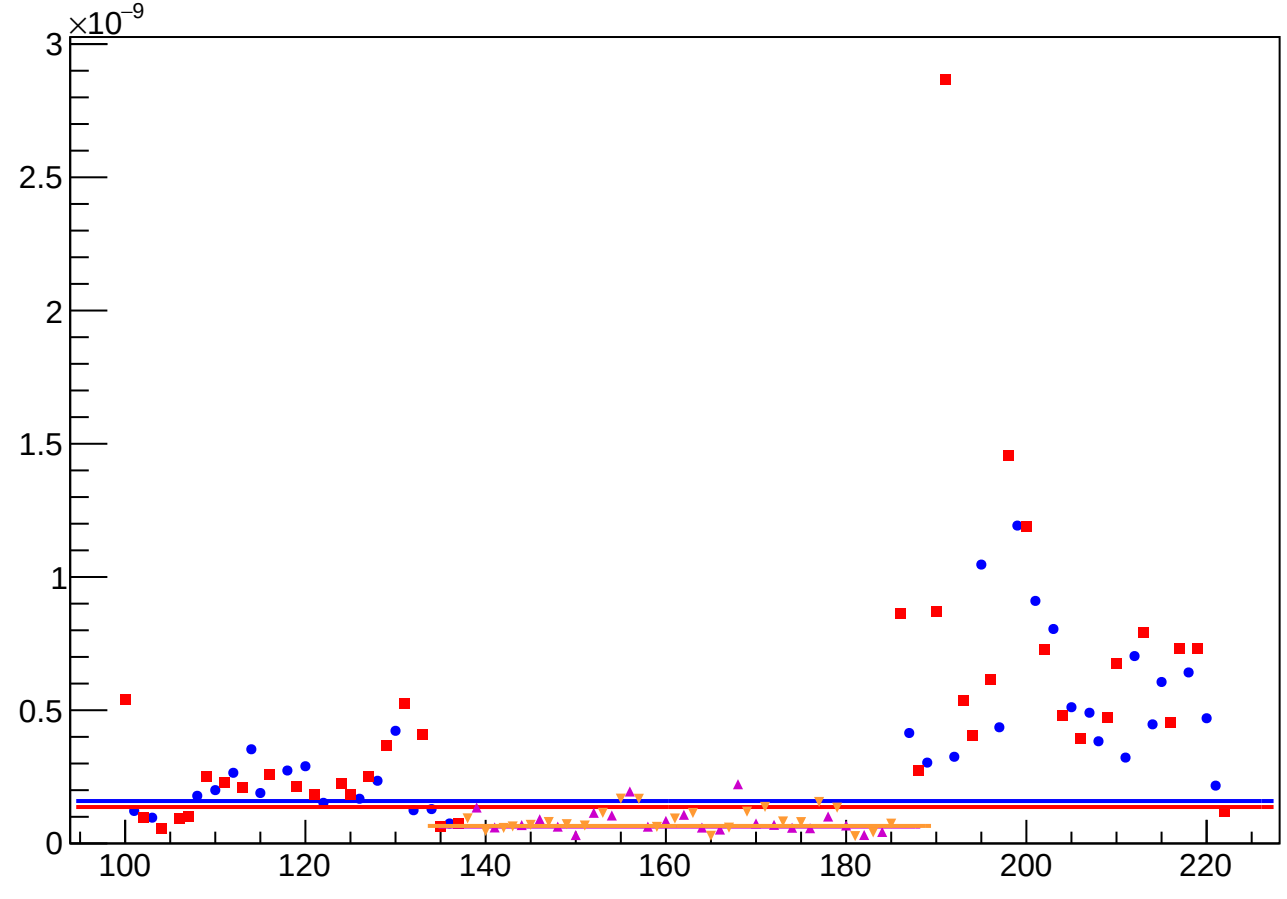
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 92.9/71

In: -0.000+/-0.000 χ^2/NDF:92.9/56

Out: -0.000+/-0.000 χ^2/NDF:65.6/62

All: -0.000+/-0.000 χ^2/NDF: 158.8/119



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: 9486356.8/37

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

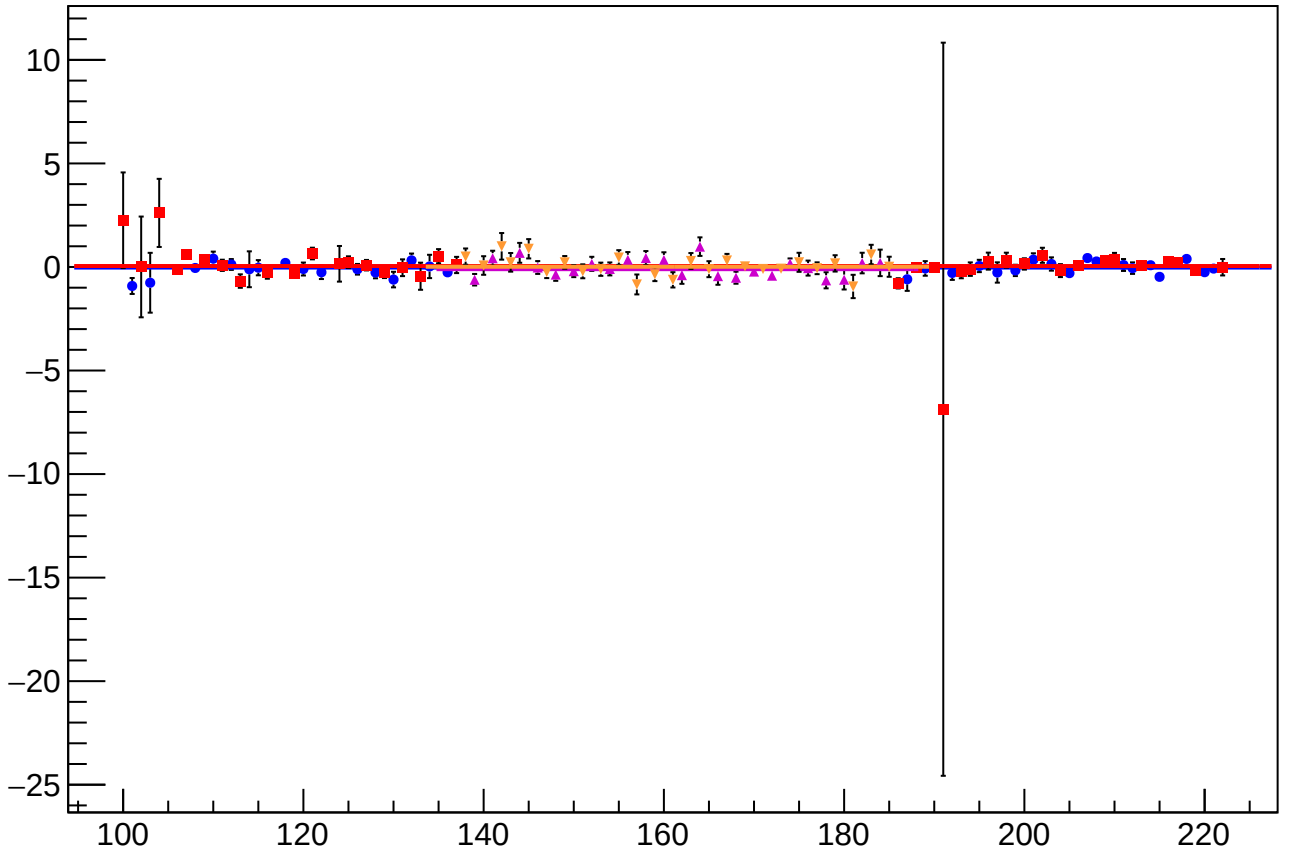
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17150173.9/71

In: 0.000+/-0.000 χ^2/NDF:13023331.5/56

Out: 0.000+/-0.000 χ^2/NDF:13930084.1/62

All: 0.000+/-0.000 χ^2/NDF: 26953477.5/119



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: 0.046+/-0.043 χ^2/NDF: 51.7/37

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

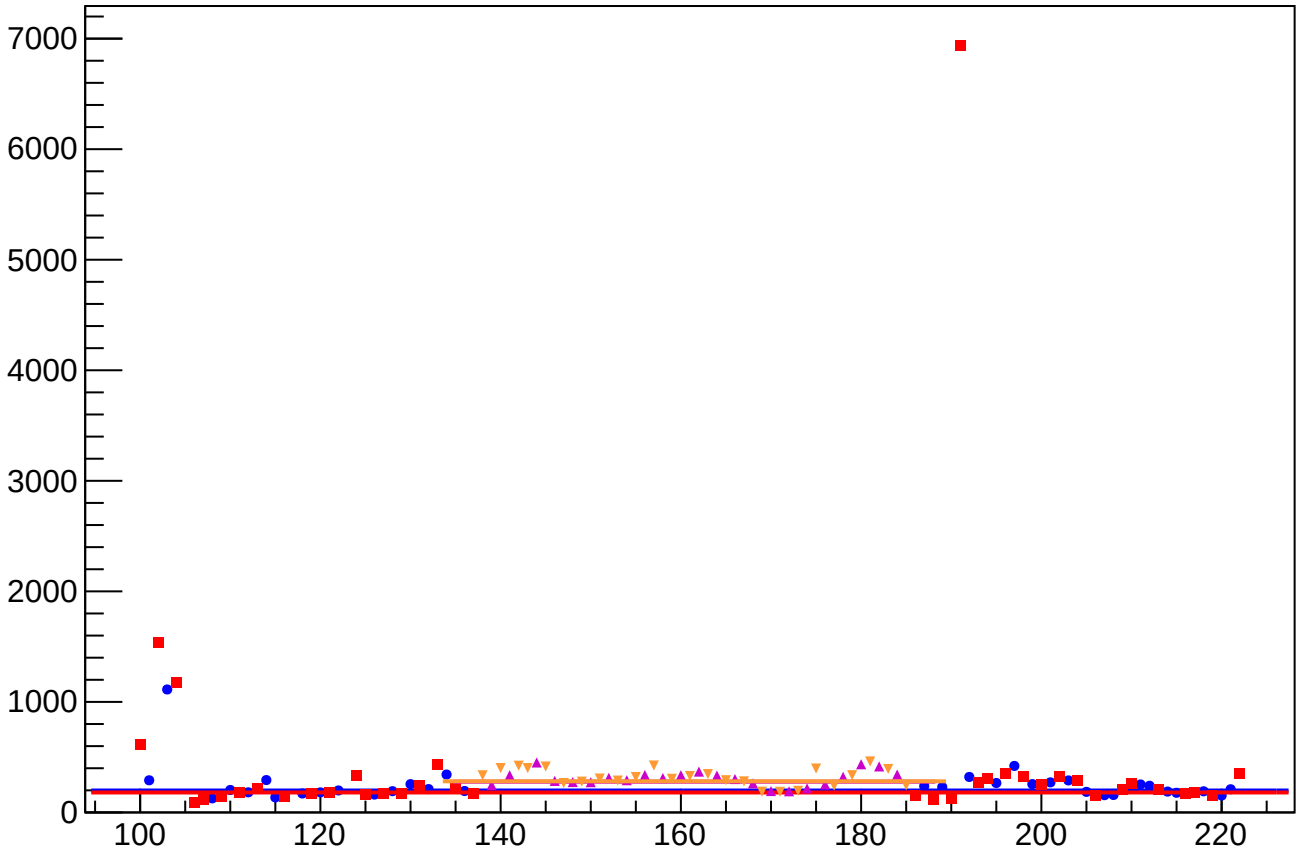
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.011+/-0.031 χ^2/NDF: 95.0/71

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.036+/-0.036 χ^2/NDF:77.1/62

All: -0.006+/-0.026 χ^2/NDF: 154.1/119



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: 180.775+/-0.030 χ^2/NDF: 6092441.7/37

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

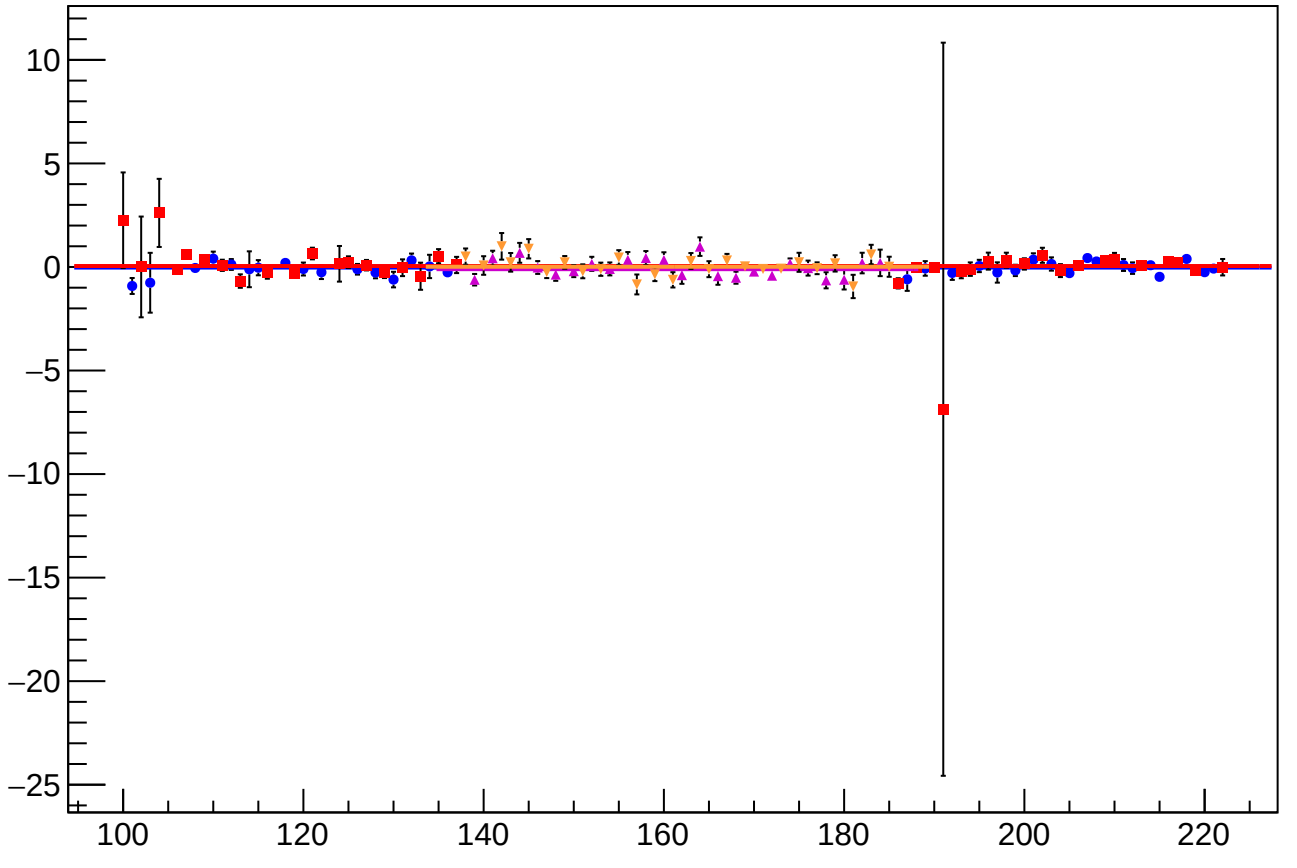
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.087+/-0.022 χ^2/NDF: 9445951.2/71

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 209.702+/-0.026 χ^2/NDF:11760690.5/62

All: 216.083+/-0.019 χ^2/NDF: 18765564.1/11



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: 0.046+/-0.043 χ^2/NDF: 51.7/37

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

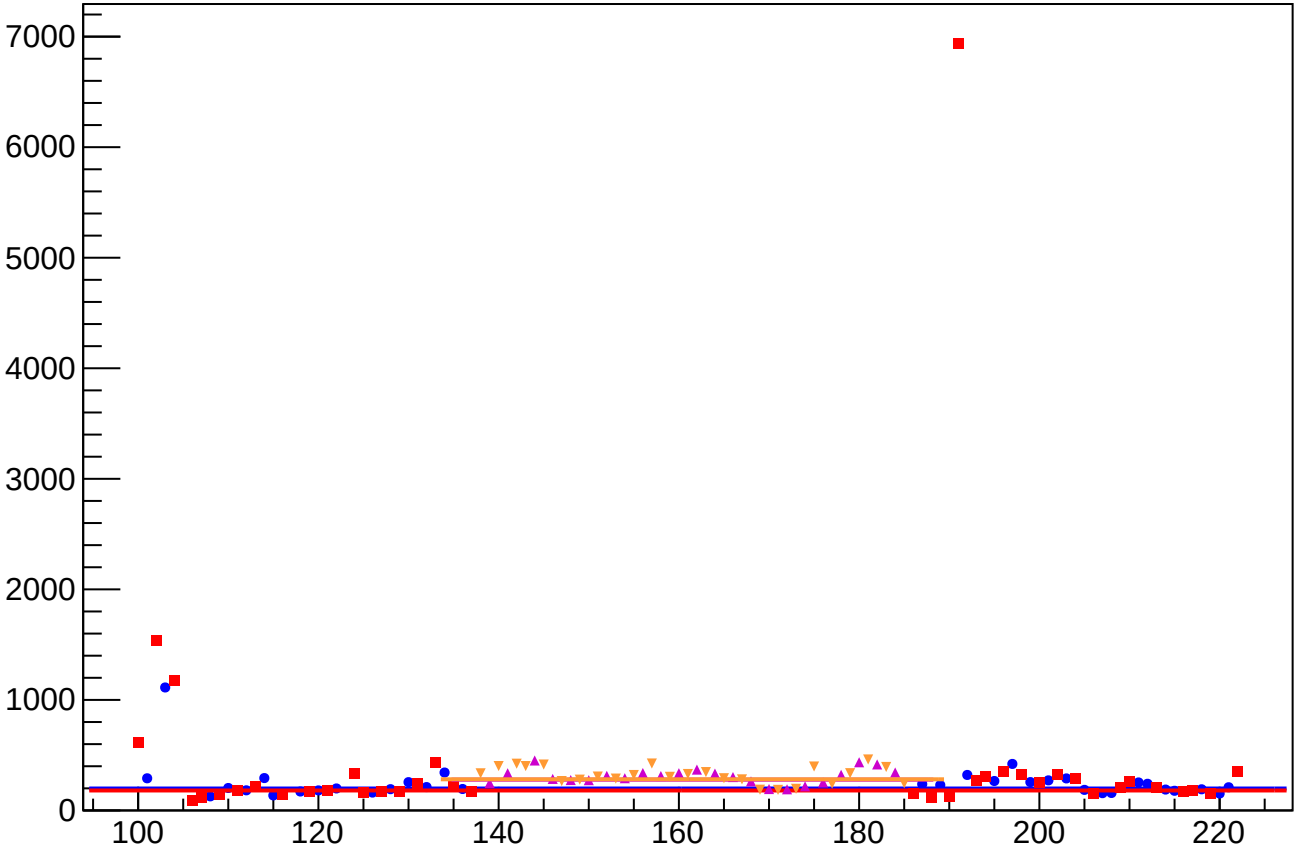
Right: 0.011+/-0.031 χ^2/NDF: 95.0/71

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.036+/-0.036 χ^2/NDF:77.1/62

All: -0.006+/-0.026 χ^2/NDF: 154.1/119

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: 180.775+/-0.030 χ^2/NDF: 6092441.7/37

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

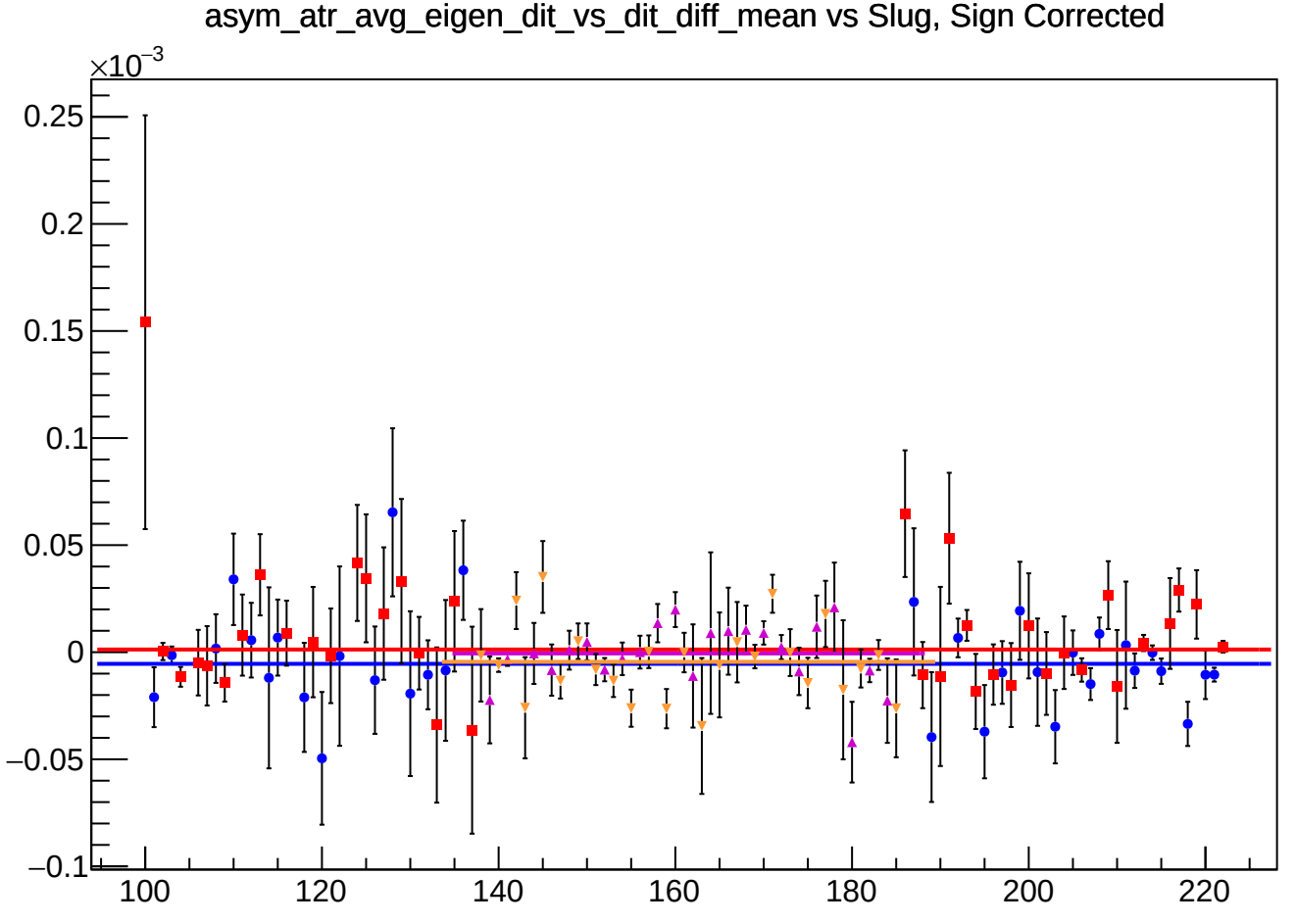
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.087+/-0.022 χ^2/NDF: 9445951.2/71

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 209.702+/-0.026 χ^2/NDF:11760690.5/62

All: 216.083+/-0.019 χ^2/NDF: 18765564.1/11



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: 54.4/37

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

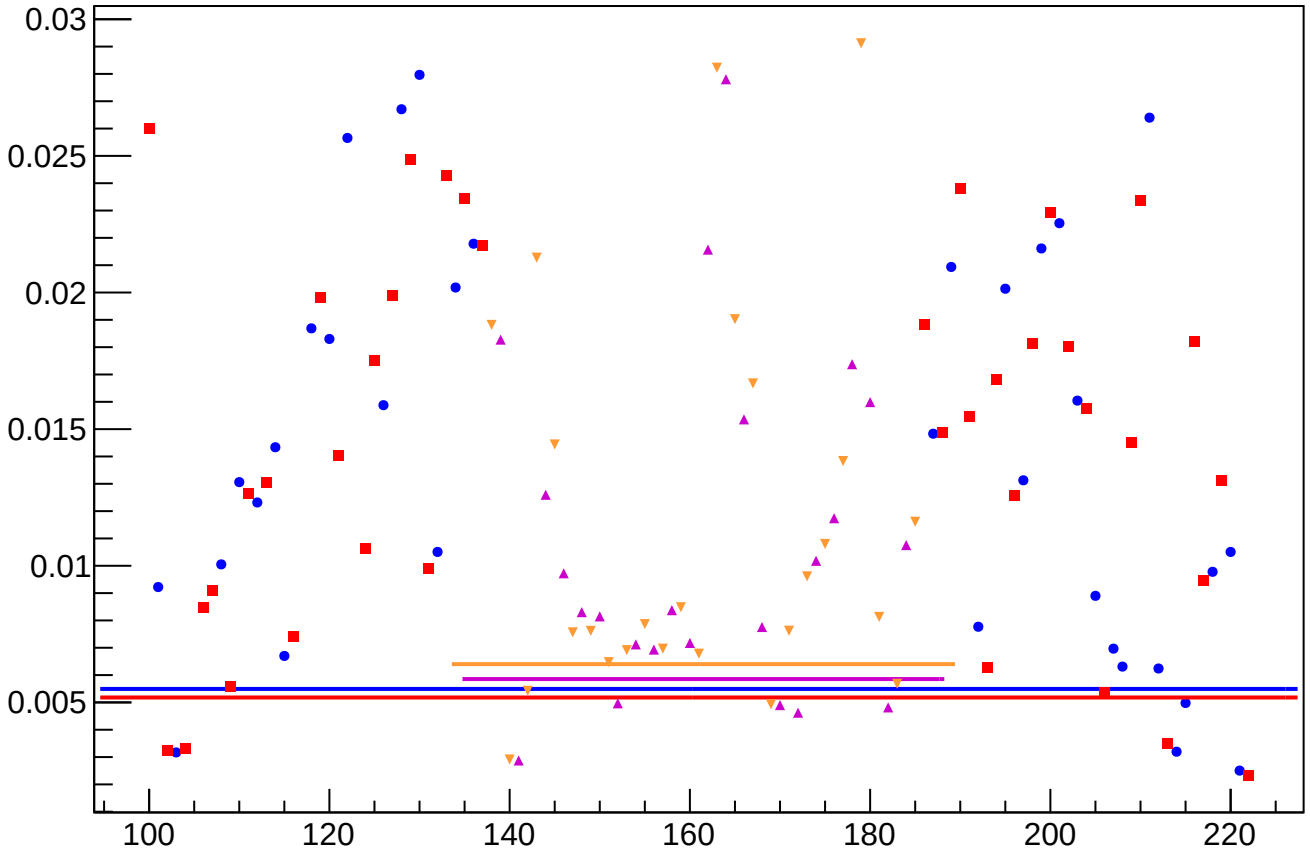
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 108.6/71

In: -0.000+/-0.000 χ^2/NDF:78.2/56

Out: -0.000+/-0.000 χ^2/NDF:107.2/62

All: -0.000+/-0.000 χ^2/NDF: 186.9/119



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: 0.005+/-0.000 χ^2/NDF: 18461530.1/37

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

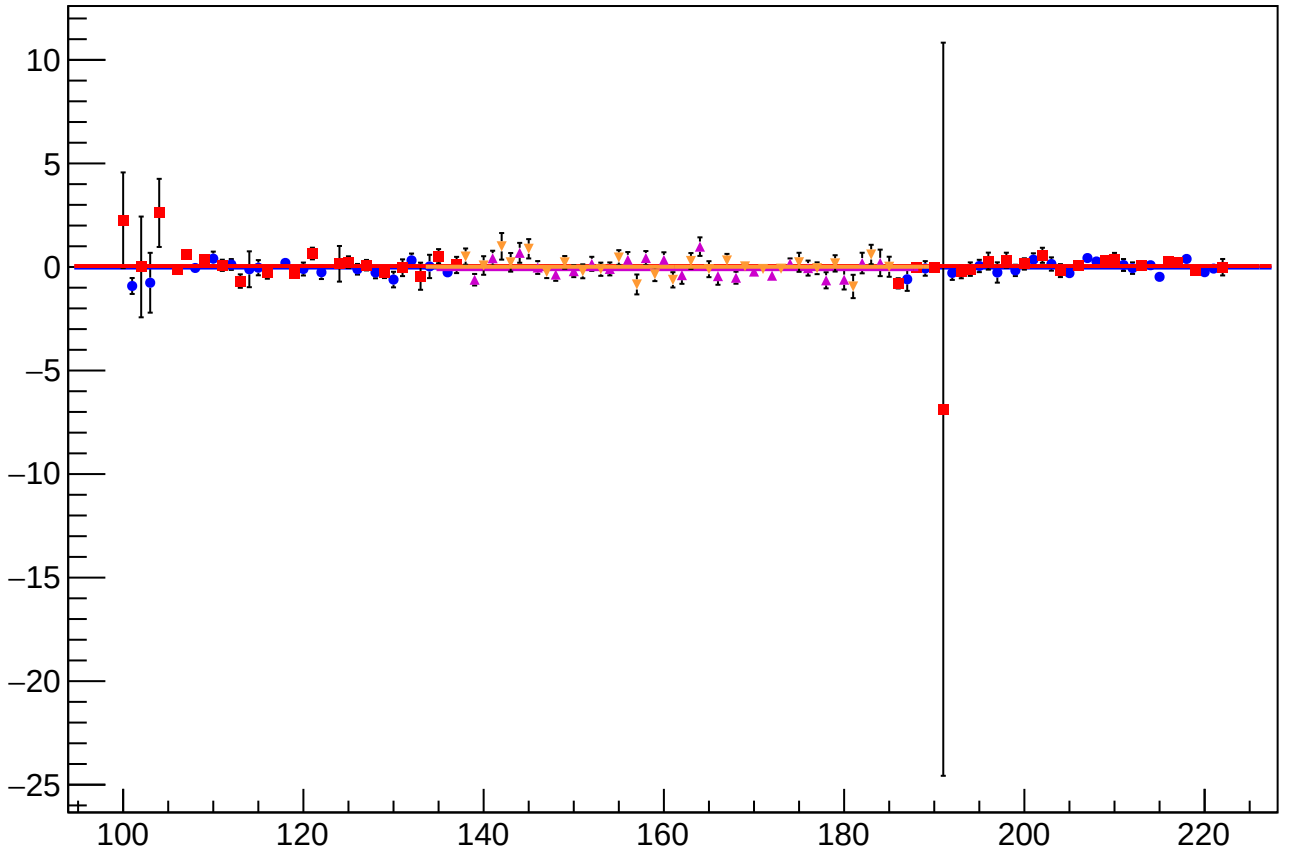
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.005+/-0.000 χ^2/NDF: 34256050.5/71

In: 0.006+/-0.000 χ^2/NDF:23947180.1/56

Out: 0.006+/-0.000 χ^2/NDF:28005151.8/62

All: 0.006+/-0.000 χ^2/NDF: 51953205.1/119



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: 0.046+/-0.043 χ^2/NDF: 51.7/37

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

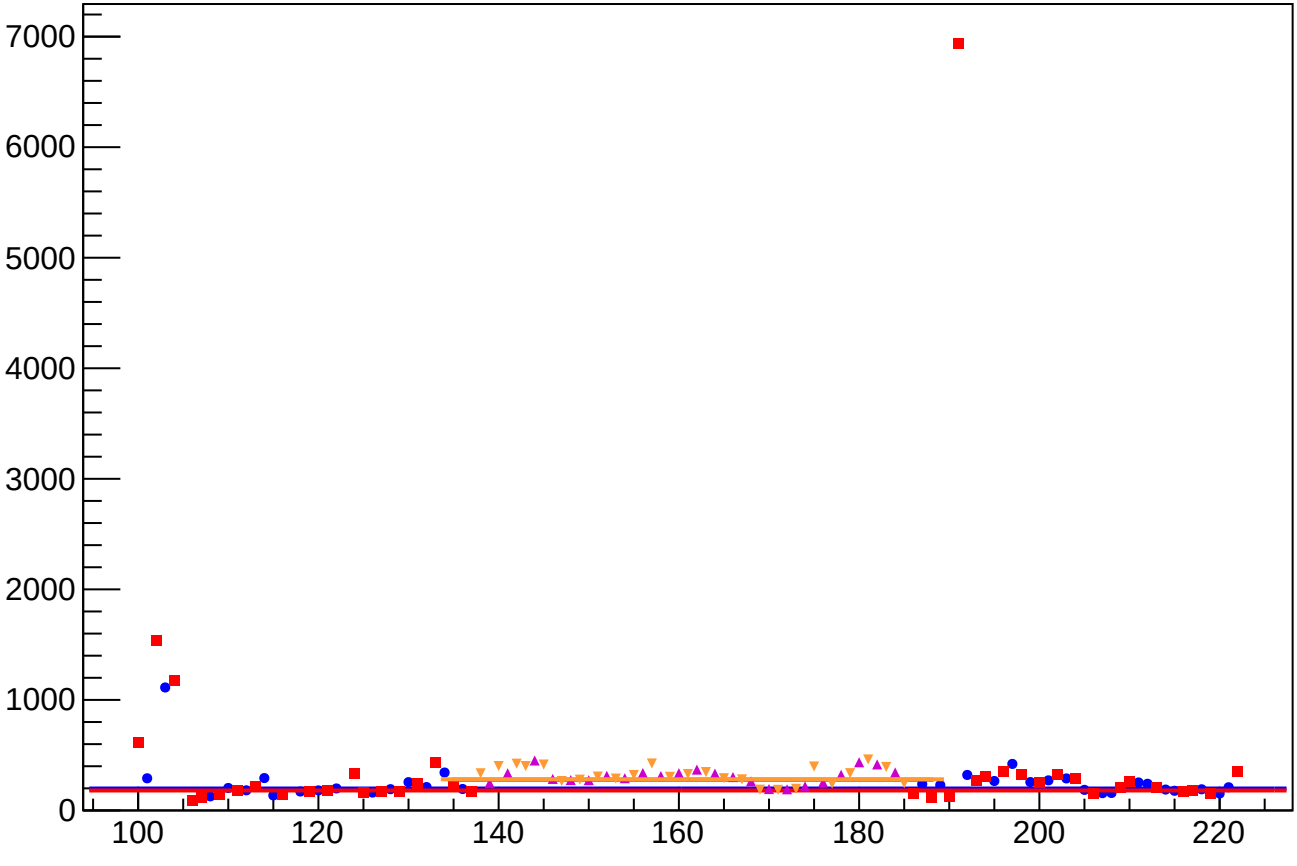
Right: 0.011+/-0.031 χ^2/NDF: 95.0/71

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.036+/-0.036 χ^2/NDF:77.1/62

All: -0.006+/-0.026 χ^2/NDF: 154.1/119

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: 180.773+/-0.030 χ^2/NDF: 6092596.0/37

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

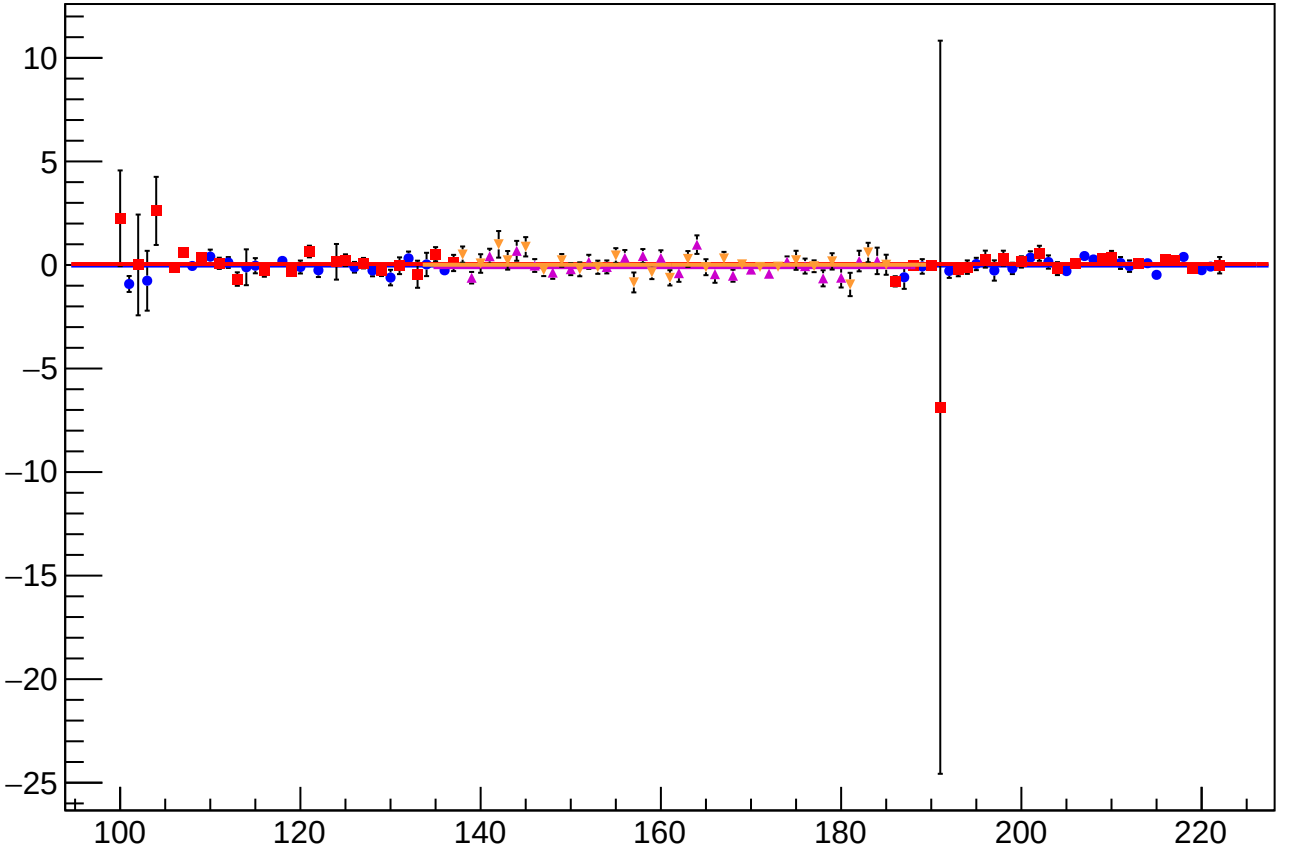
Right: 189.085+/-0.022 χ^2/NDF: 9446173.8/71

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

Out: 209.700+/-0.026 χ^2/NDF:11761203.2/62

All: 216.082+/-0.019 χ^2/NDF: 18766283.0/1

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: 0.046+/-0.043 χ^2/NDF: 51.7/37

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

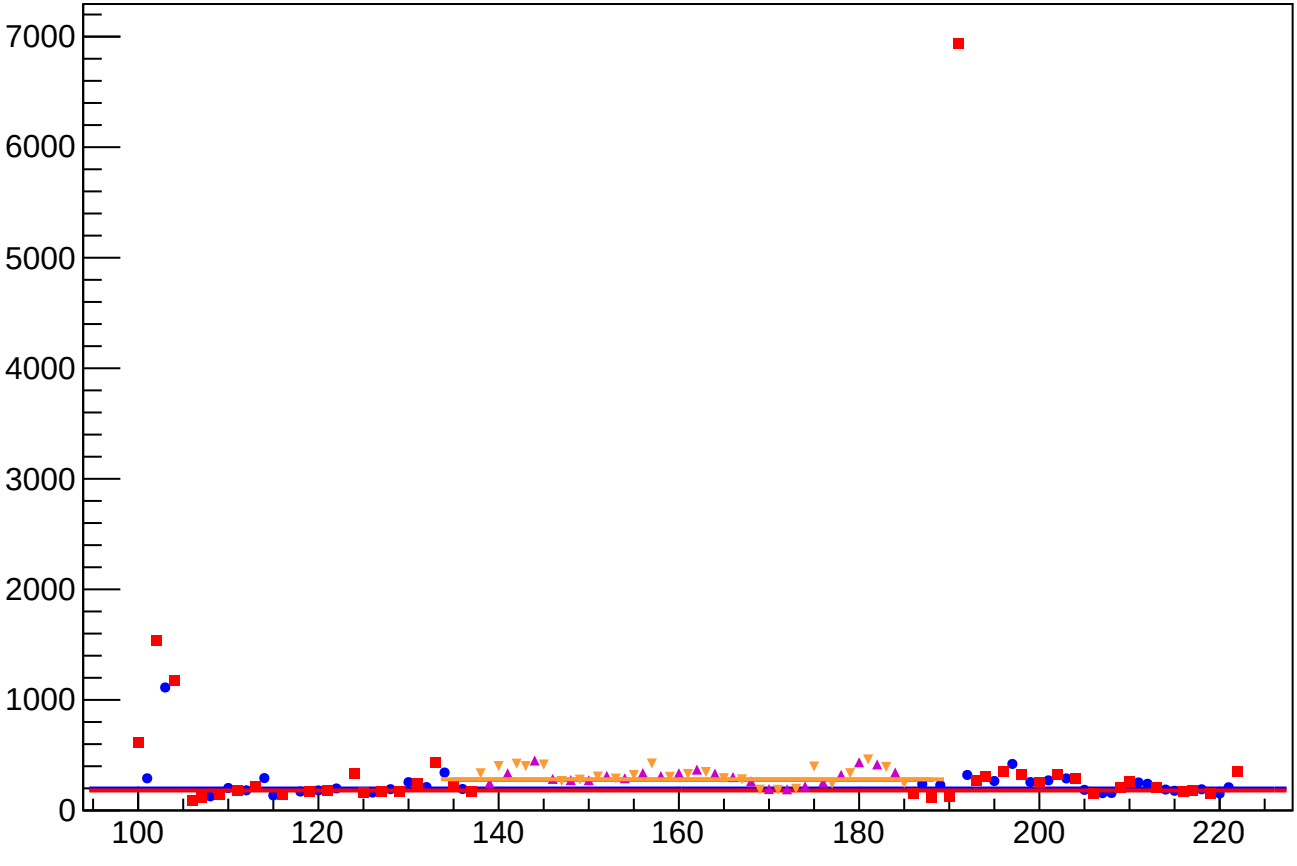
Right: 0.011+/-0.031 χ^2/NDF: 95.0/71

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.036+/-0.036 χ^2/NDF:77.1/62

All: -0.006+/-0.026 χ^2/NDF: 154.1/119

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: 180.773+/-0.030 χ^2/NDF: 6092596.0/37

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

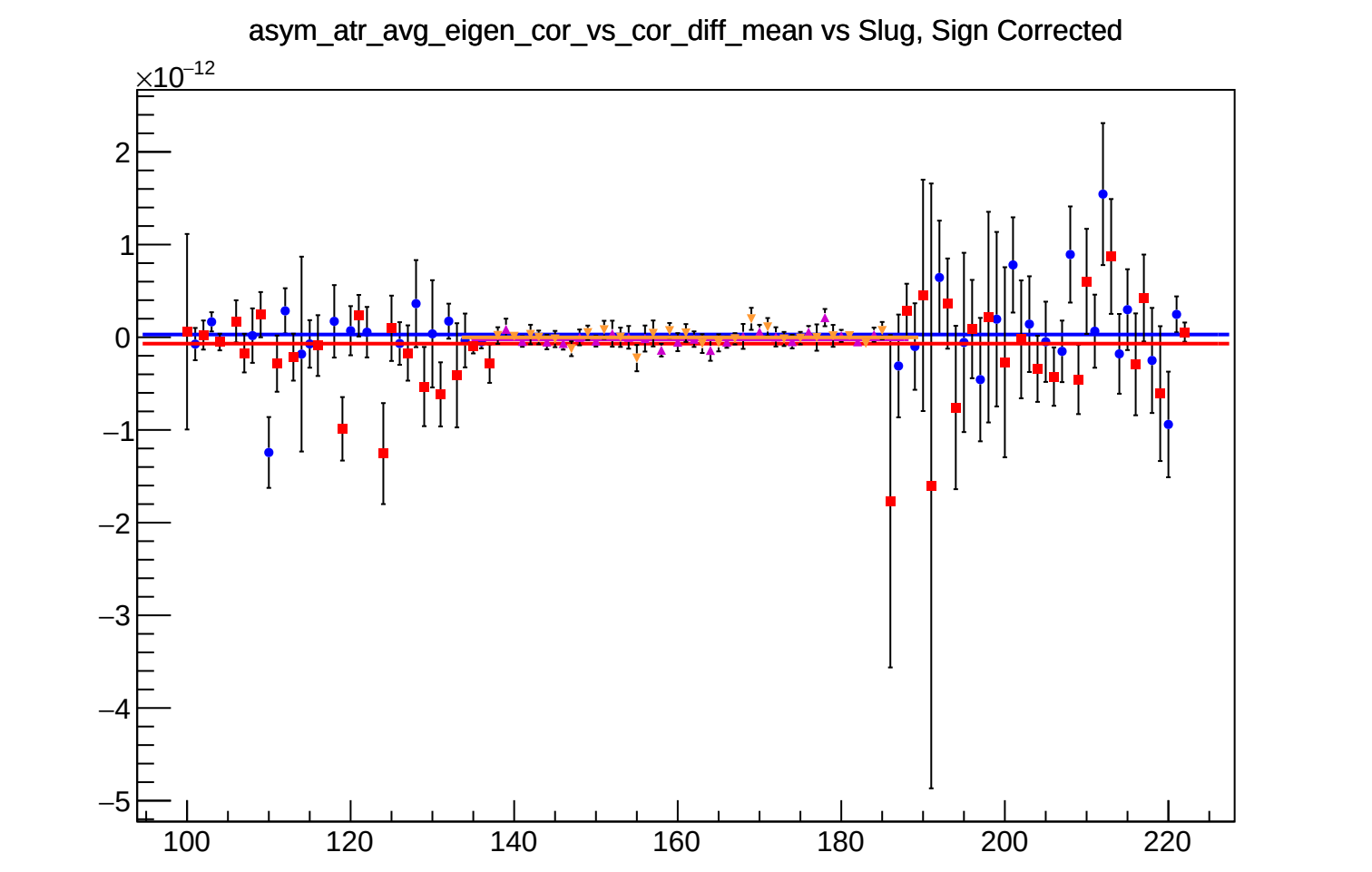
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 189.085+/-0.022 χ^2/NDF: 9446173.8/71

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

Out: 209.700+/-0.026 χ^2/NDF:11761203.2/62

All: 216.082+/-0.019 χ^2/NDF: 18766283.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/37

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

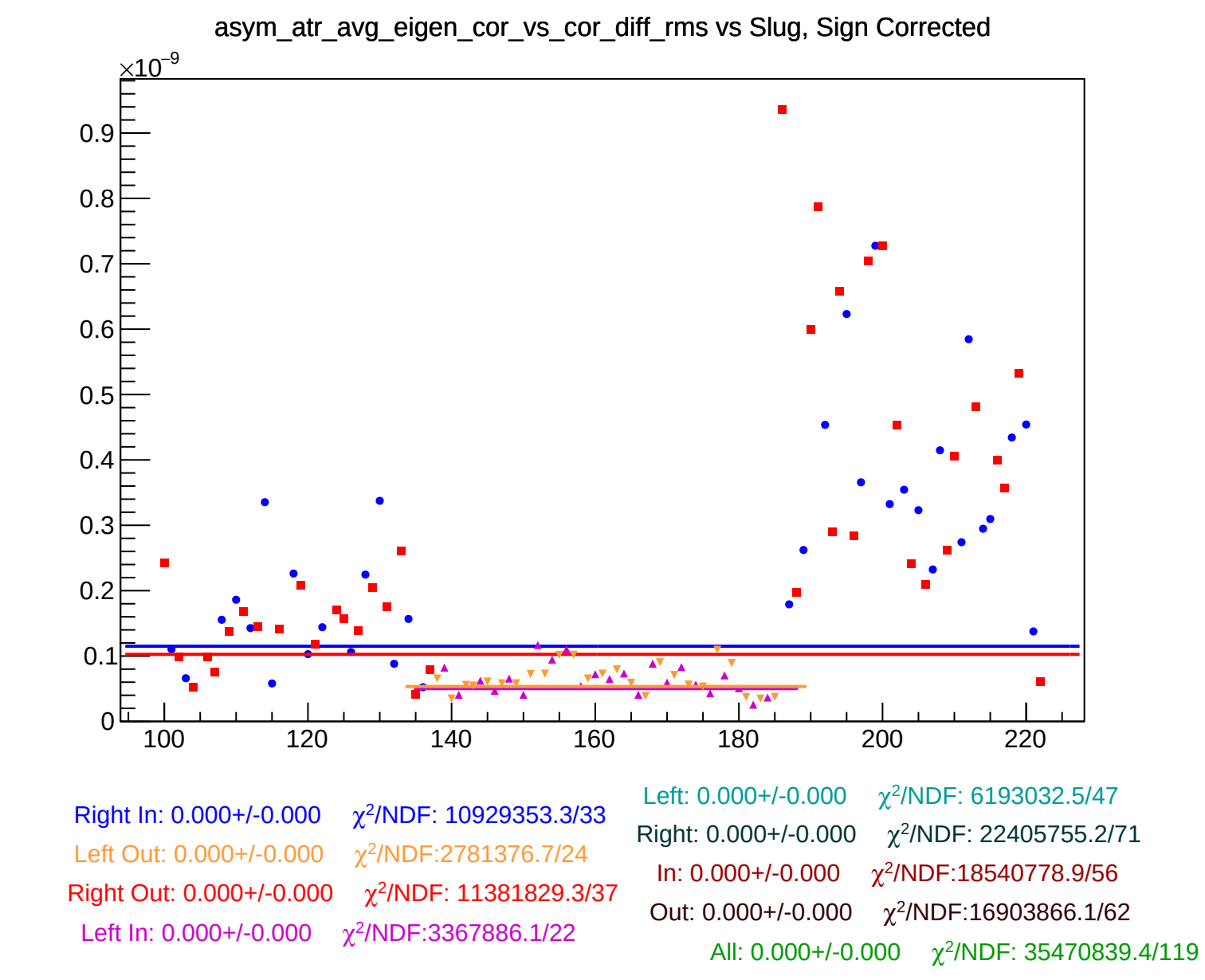
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.2/71

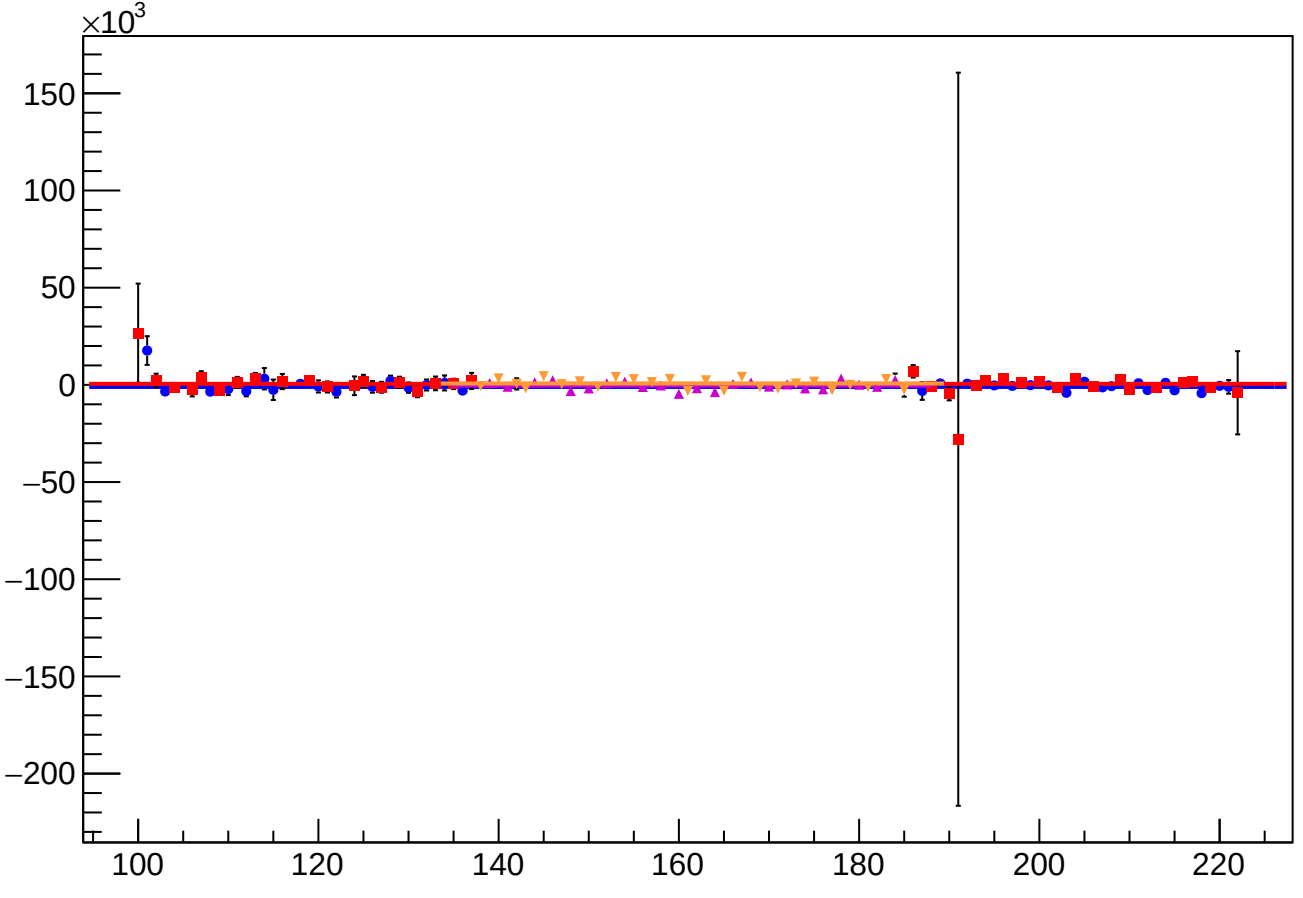
In: -0.000+/-0.000 χ^2/NDF:51.6/56

Out: -0.000+/-0.000 χ^2/NDF:55.7/62

All: -0.000+/-0.000 χ^2/NDF: 107.5/119


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: 11381829.3/37
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: 22405755.2/71
In: 0.000+/-0.000 χ²/NDF:18540778.9/56
Out: 0.000+/-0.000 χ²/NDF:16903866.1/62
All: 0.000+/-0.000 χ²/NDF: 35470839.4/119

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: 530.351+/-421.910 χ^2/NDF: 27.7/37

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

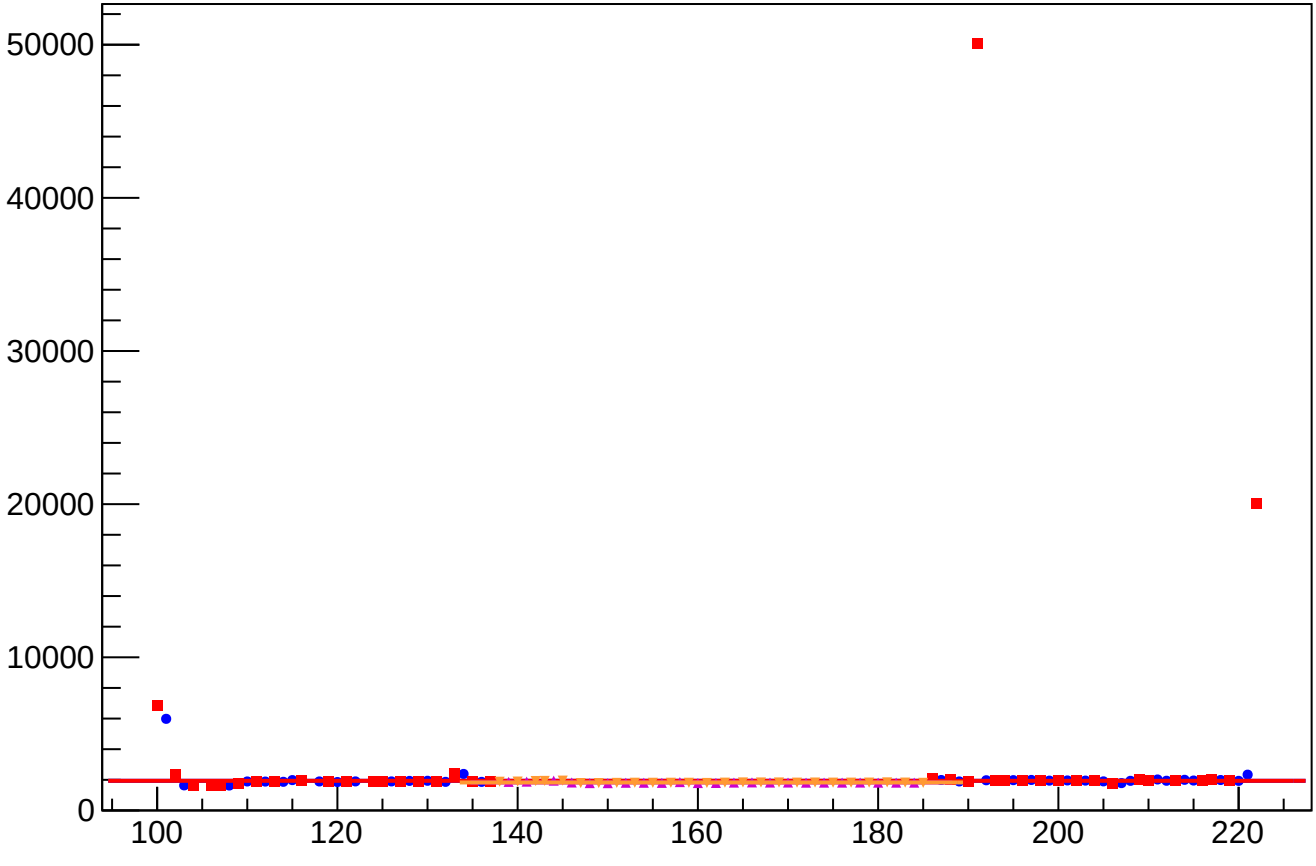
Right: -271.233+/-297.979 χ^2/NDF: 59.9/71

In: -740.244+/-299.484 χ^2/NDF:47.0/56

Out: 619.414+/-296.001 χ^2/NDF:59.7/62

All: -52.464+/-210.525 χ^2/NDF: 117.1/119

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: 1935.761+/-0.298 χ^2/NDF: 1823279.5/37

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

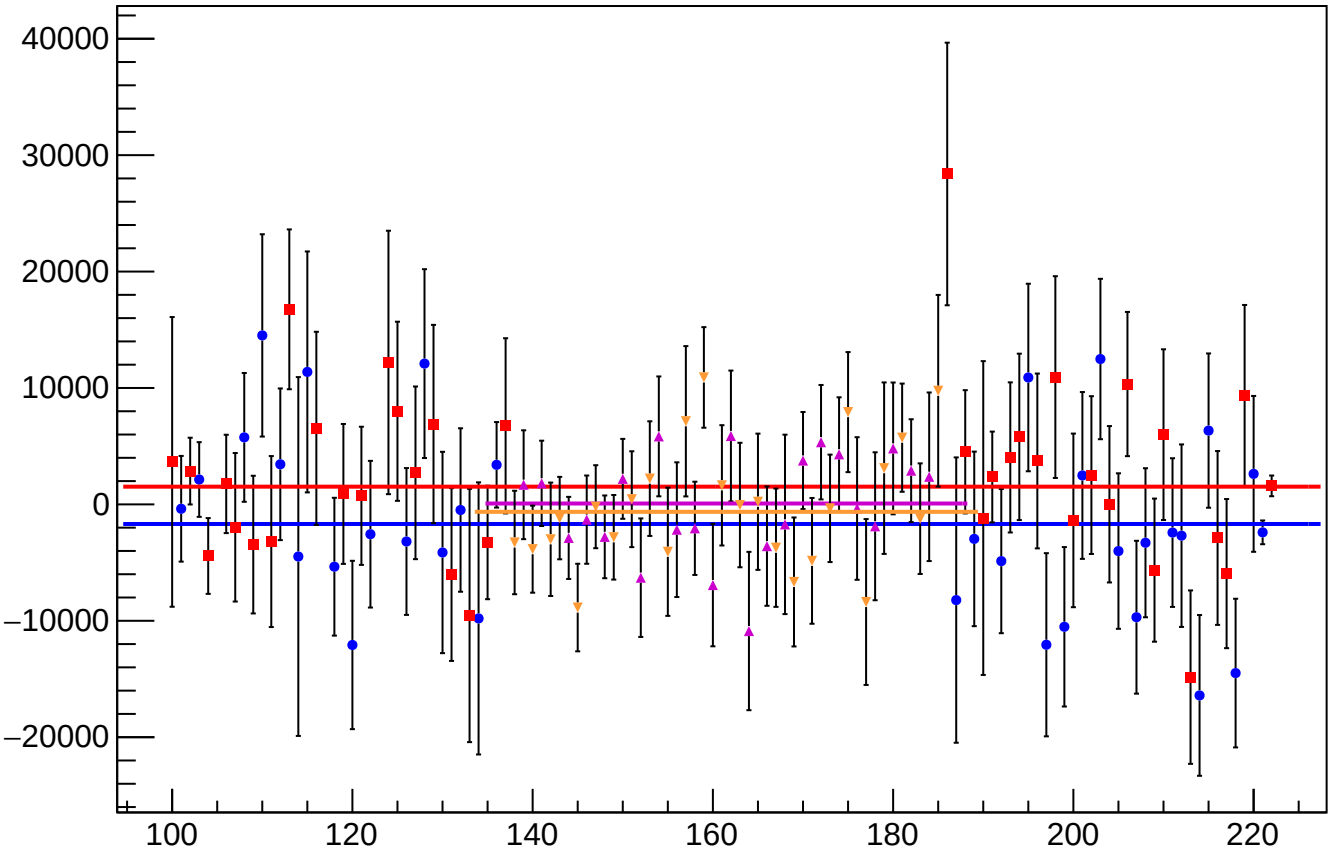
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1935.502+/-0.211 χ^2/NDF: 2575604.3/71

In: 1880.895+/-0.212 χ^2/NDF:833225.0/56

Out: 1881.230+/-0.209 χ^2/NDF:1908645.0/62

All: 1881.064+/-0.149 χ^2/NDF: 2741871.3/11



Right In: -1684.043+/-752.946 χ^2/NDF: 40.6/33

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1522.132+/-666.545 χ^2/NDF: 35.3/37

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

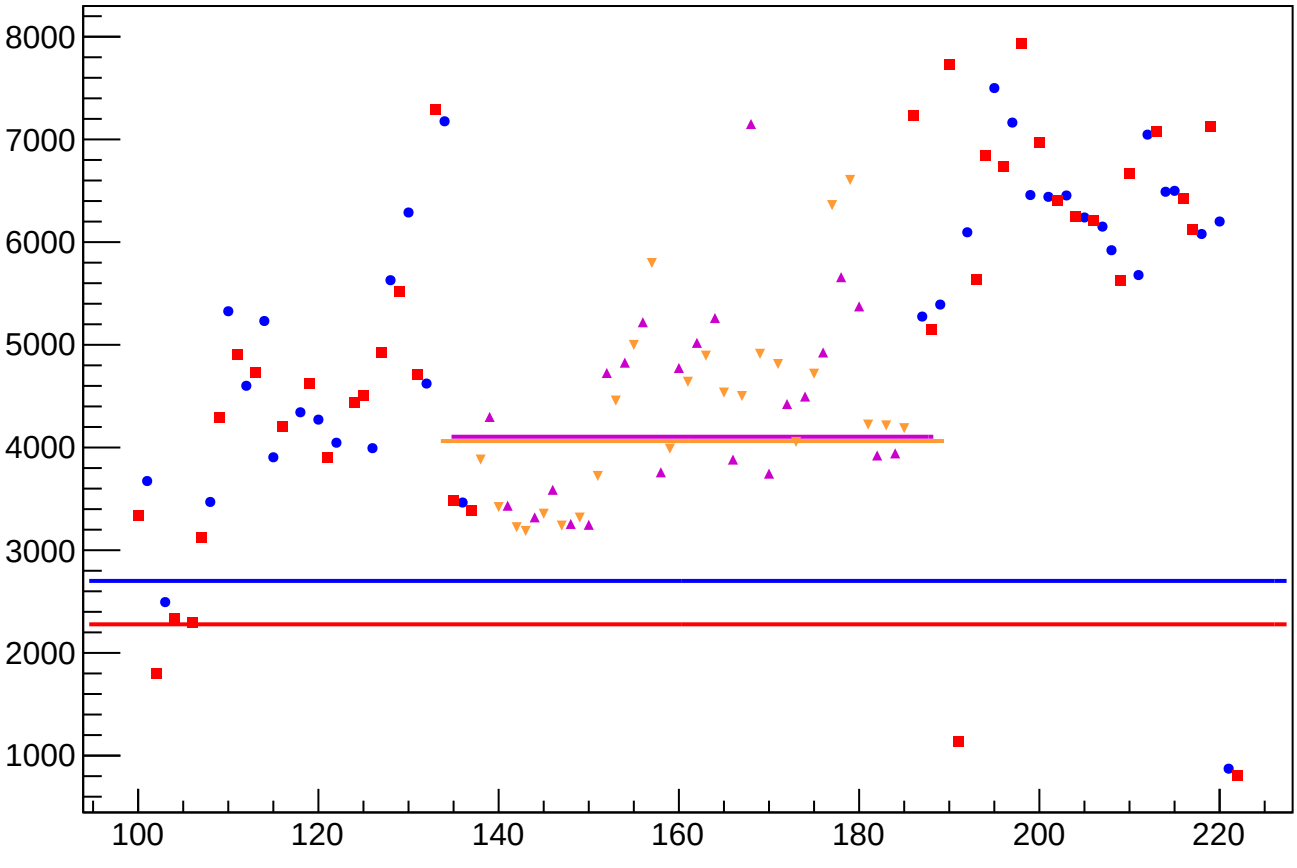
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 113.478+/-499.083 χ^2/NDF: 86.0/71

In: -1031.025+/-597.123 χ^2/NDF:58.1/56

Out: 806.478+/-545.042 χ^2/NDF:64.7/62

All: -28.659+/-402.558 χ^2/NDF: 127.9/119



Right In: 2701.141+/-0.532 χ^2/NDF: 17633672.9/33

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 2278.476+/-0.471 χ^2/NDF: 20180316.0/37

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

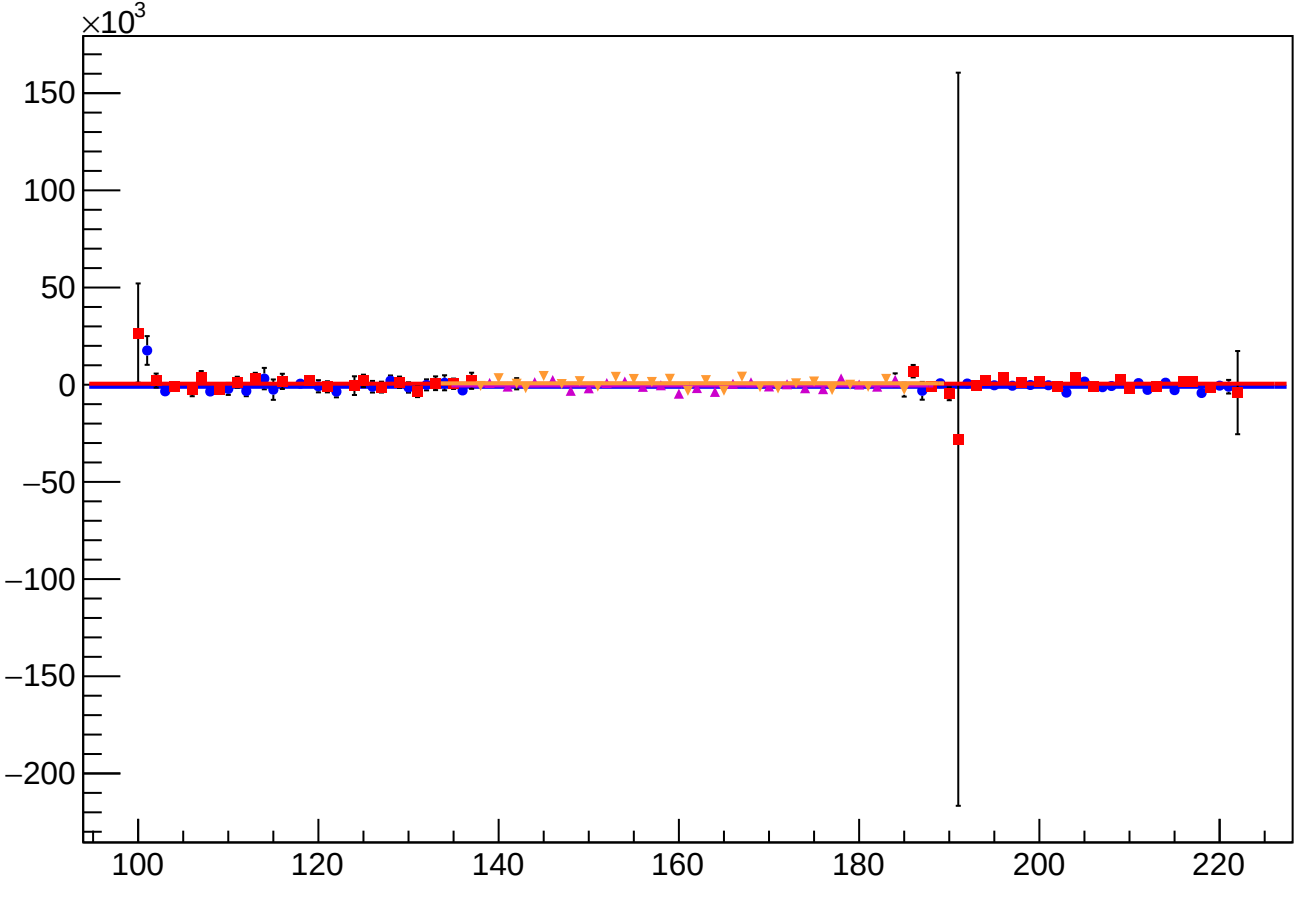
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 2464.176+/-0.353 χ^2/NDF: 38167318.6/71

In: 3222.097+/-0.422 χ^2/NDF:21573316.3/56

Out: 2869.808+/-0.385 χ^2/NDF:26335983.1/62

All: 3029.922+/-0.285 χ^2/NDF: 48289051.9/1



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: 526.739+/-422.115 χ^2/NDF: 27.6/37

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

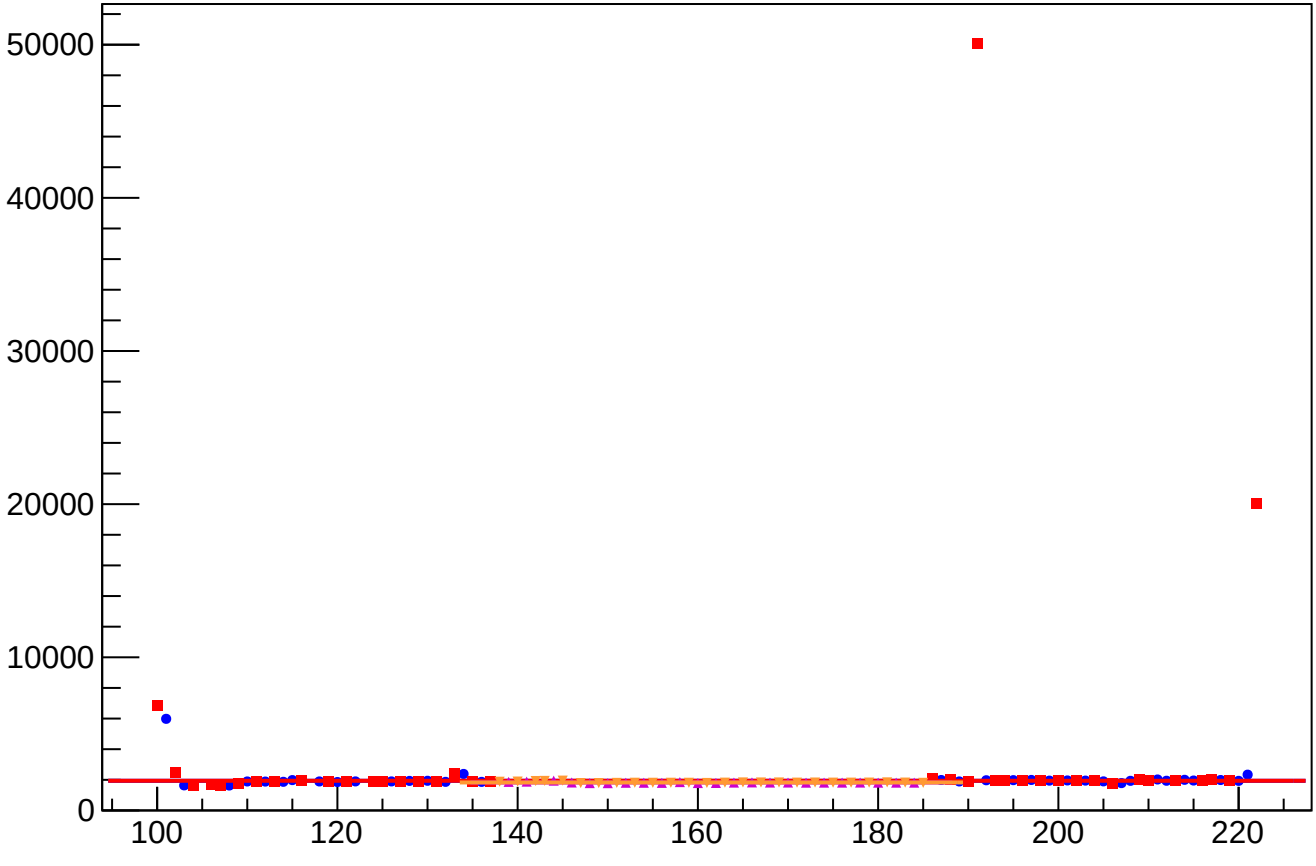
Right: -273.525+/-298.051 χ^2/NDF: 59.8/71

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 617.709+/-296.072 χ^2/NDF:59.7/62

All: -53.500+/-210.550 χ^2/NDF: 117.0/119

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: 1938.339+/-0.298 χ^2/NDF: 1828830.4/37

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

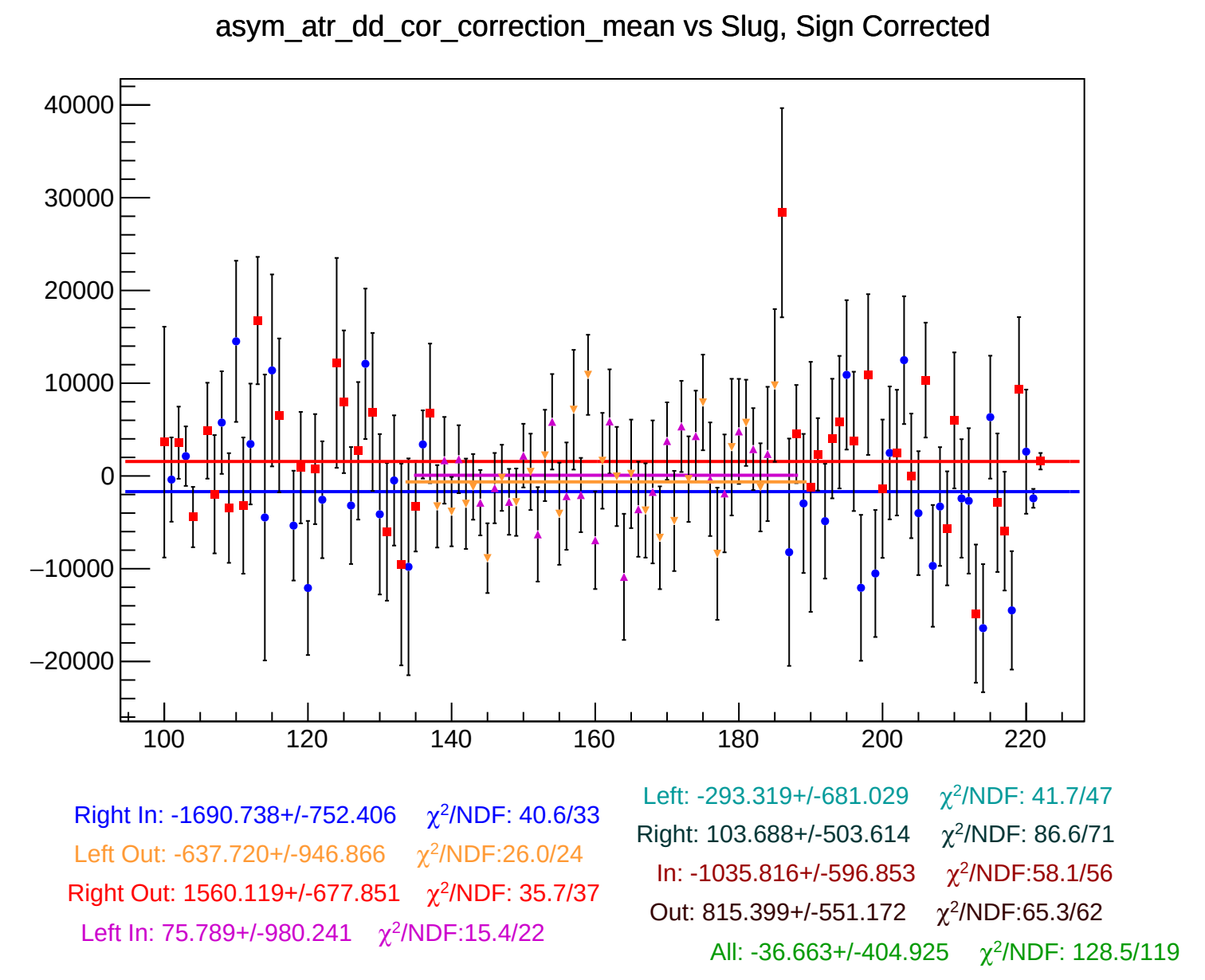
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

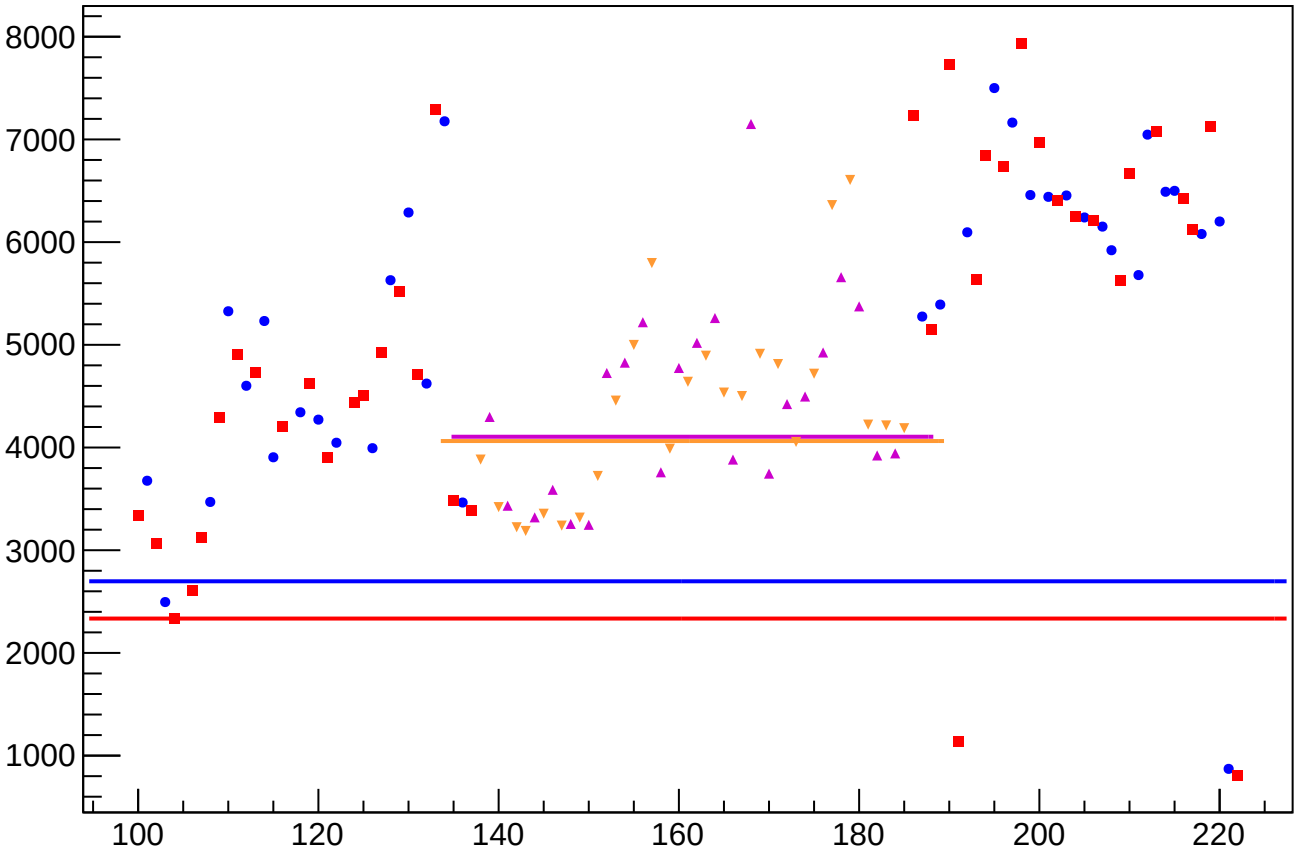
Right: 1936.788+/-0.211 χ^2/NDF: 2581207.8/71

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1882.437+/-0.209 χ^2/NDF:1917320.0/62

All: 1881.675+/-0.149 χ^2/NDF: 2750571.9/11


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -1690.738+/-752.406 χ²/NDF: 40.6/33
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1560.119+/-677.851 χ²/NDF: 35.7/37
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 103.688+/-503.614 χ²/NDF: 86.6/71
In: -1035.816+/-596.853 χ²/NDF:58.1/56
Out: 815.399+/-551.172 χ²/NDF:65.3/62
All: -36.663+/-404.925 χ²/NDF: 128.5/119



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: 2334.636+/-0.479 χ^2/NDF: 20198969.9/37

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

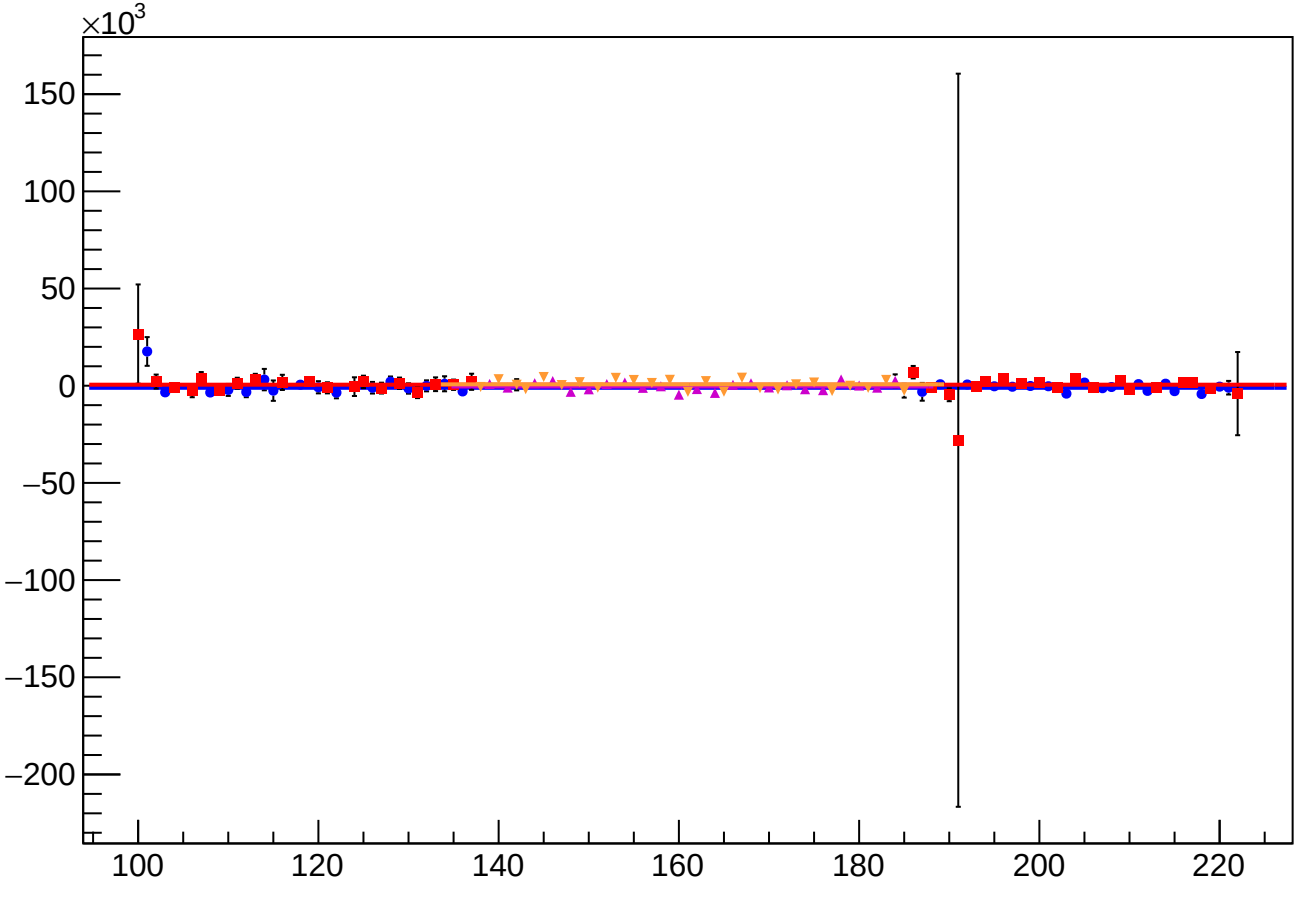
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 2497.197+/-0.356 χ^2/NDF: 38120131.8/71

In: 3219.325+/-0.422 χ^2/NDF:21618882.2/56

Out: 2920.314+/-0.390 χ^2/NDF:26010382.8/62

All: 3057.940+/-0.286 χ^2/NDF: 47900186.8/1



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: 526.739+/-422.115 χ^2/NDF: 27.6/37

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

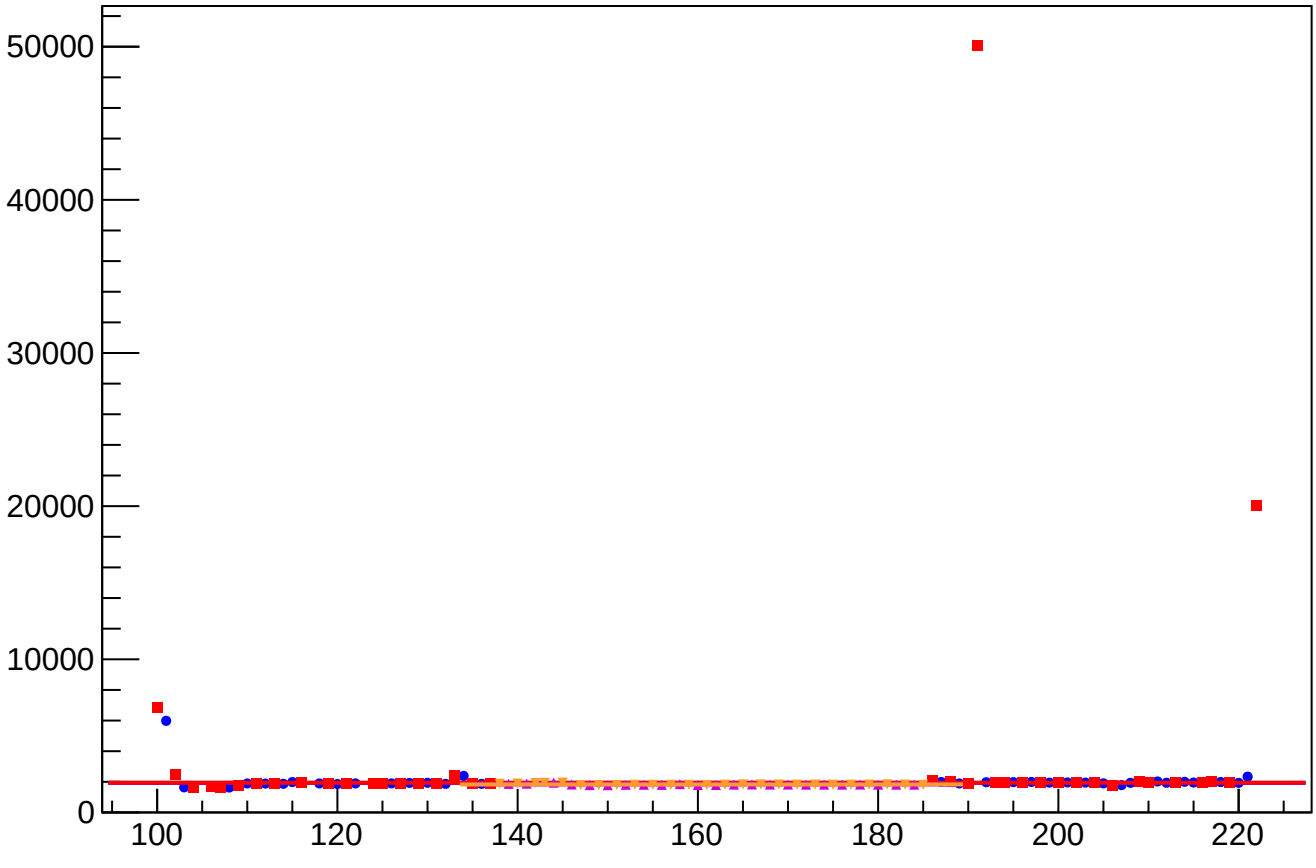
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -273.525+/-298.051 χ^2/NDF: 59.8/71

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 617.709+/-296.072 χ^2/NDF:59.7/62

All: -53.500+/-210.550 χ^2/NDF: 117.0/119



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: 1938.339+/-0.298 χ^2/NDF: 1828830.4/37

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

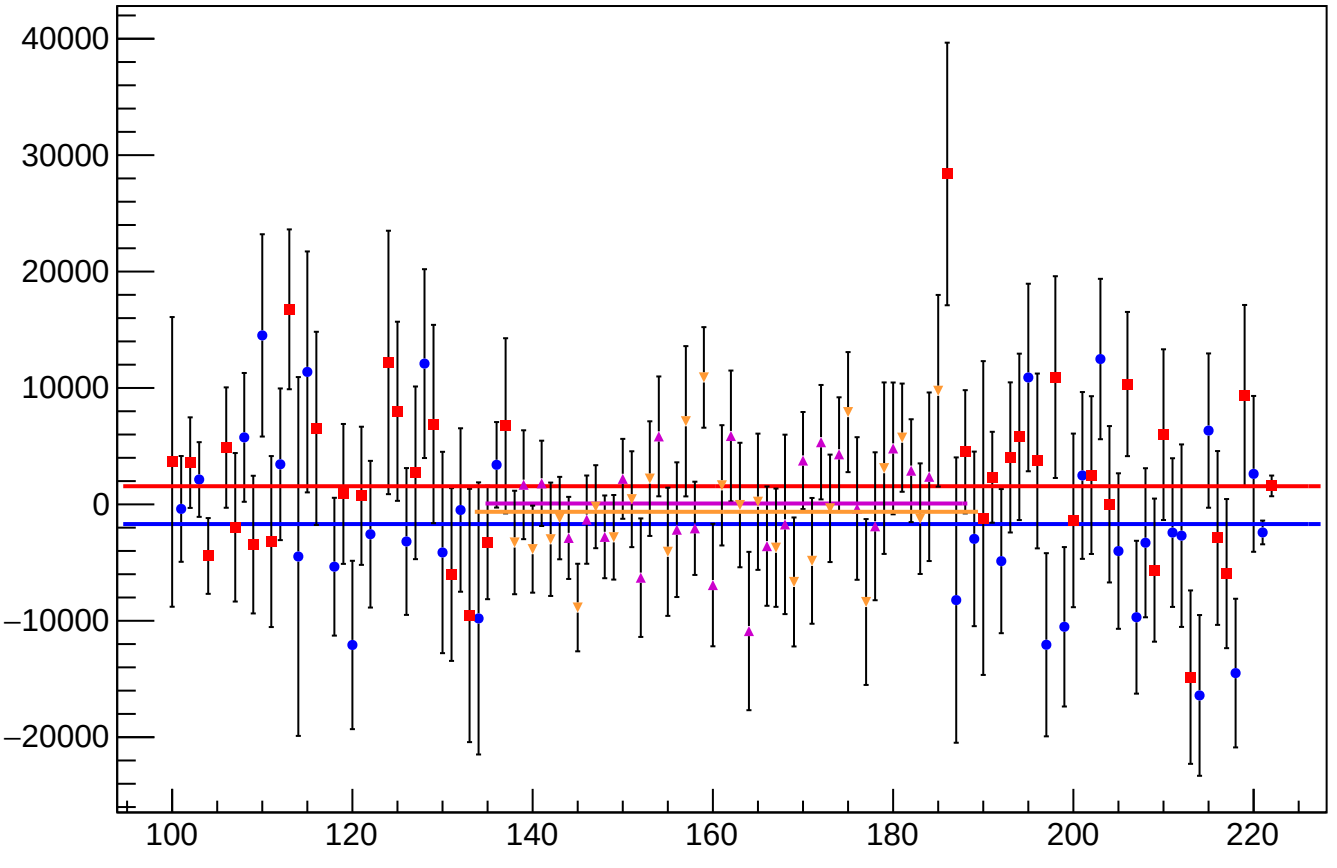
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1936.788+/-0.211 χ^2/NDF: 2581207.8/71

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1882.437+/-0.209 χ^2/NDF:1917320.0/62

All: 1881.675+/-0.149 χ^2/NDF: 2750571.9/11



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: 1560.119+/-677.851 χ^2/NDF: 35.7/37

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

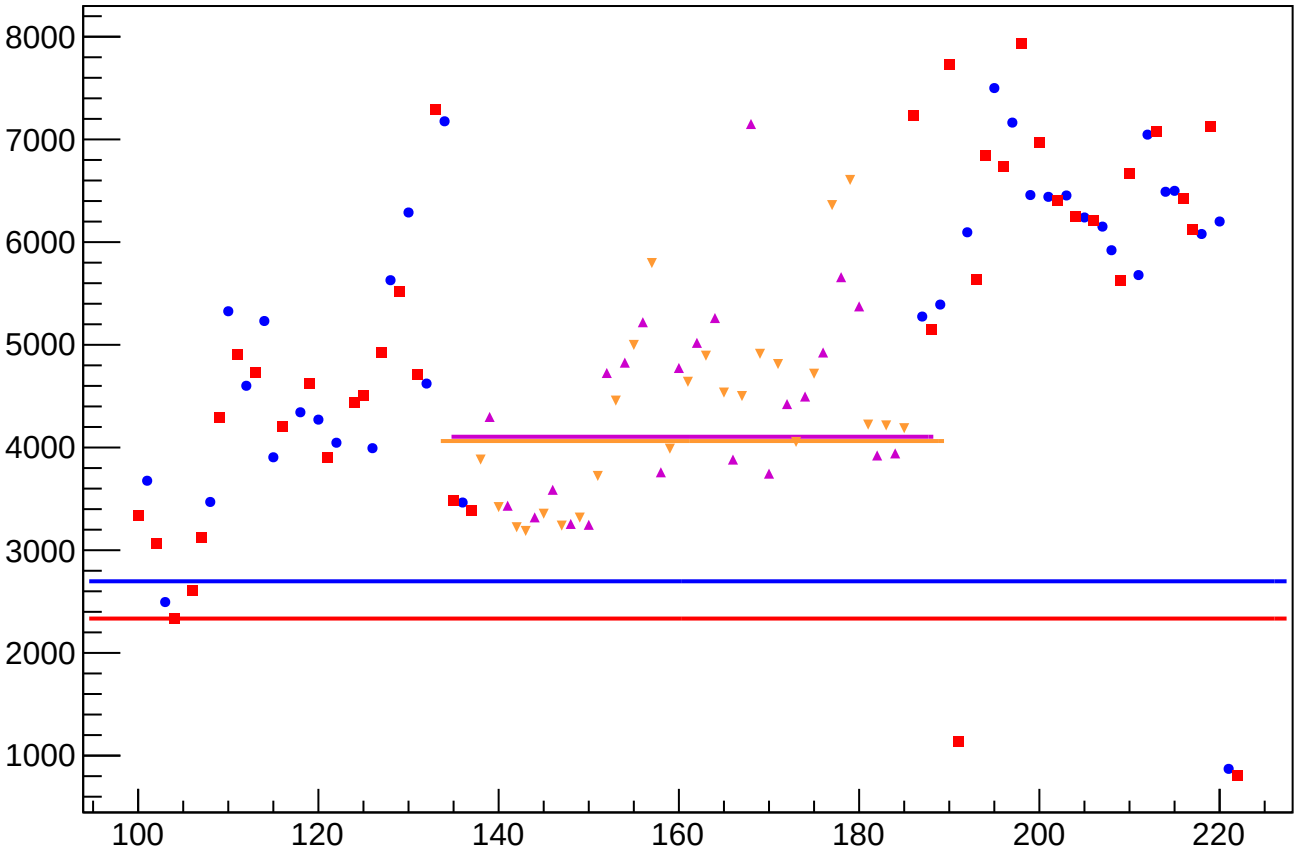
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 103.688+/-503.614 χ^2/NDF: 86.6/71

In: -1035.816+/-596.853 χ^2/NDF:58.1/56

Out: 815.399+/-551.172 χ^2/NDF:65.3/62

All: -36.663+/-404.925 χ^2/NDF: 128.5/119



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: 2334.636+/-0.479 χ^2/NDF: 20198969.9/37

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

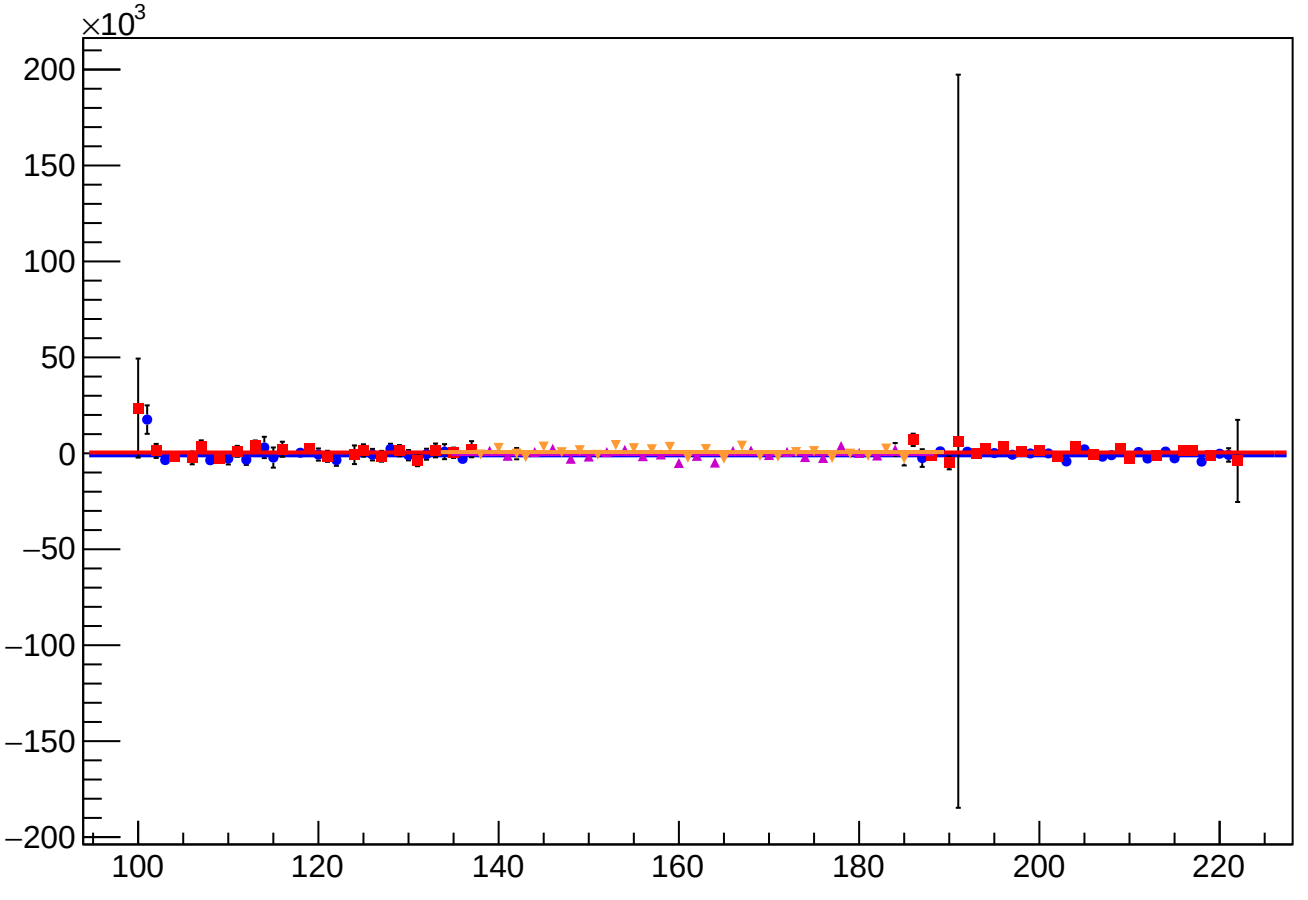
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 2497.197+/-0.356 χ^2/NDF: 38120131.8/71

In: 3219.325+/-0.422 χ^2/NDF:21618882.2/56

Out: 2920.314+/-0.390 χ^2/NDF:26010382.8/62

All: 3057.940+/-0.286 χ^2/NDF: 47900186.8/1



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: 440.956+/-425.587 χ^2/NDF: 29.8/37

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

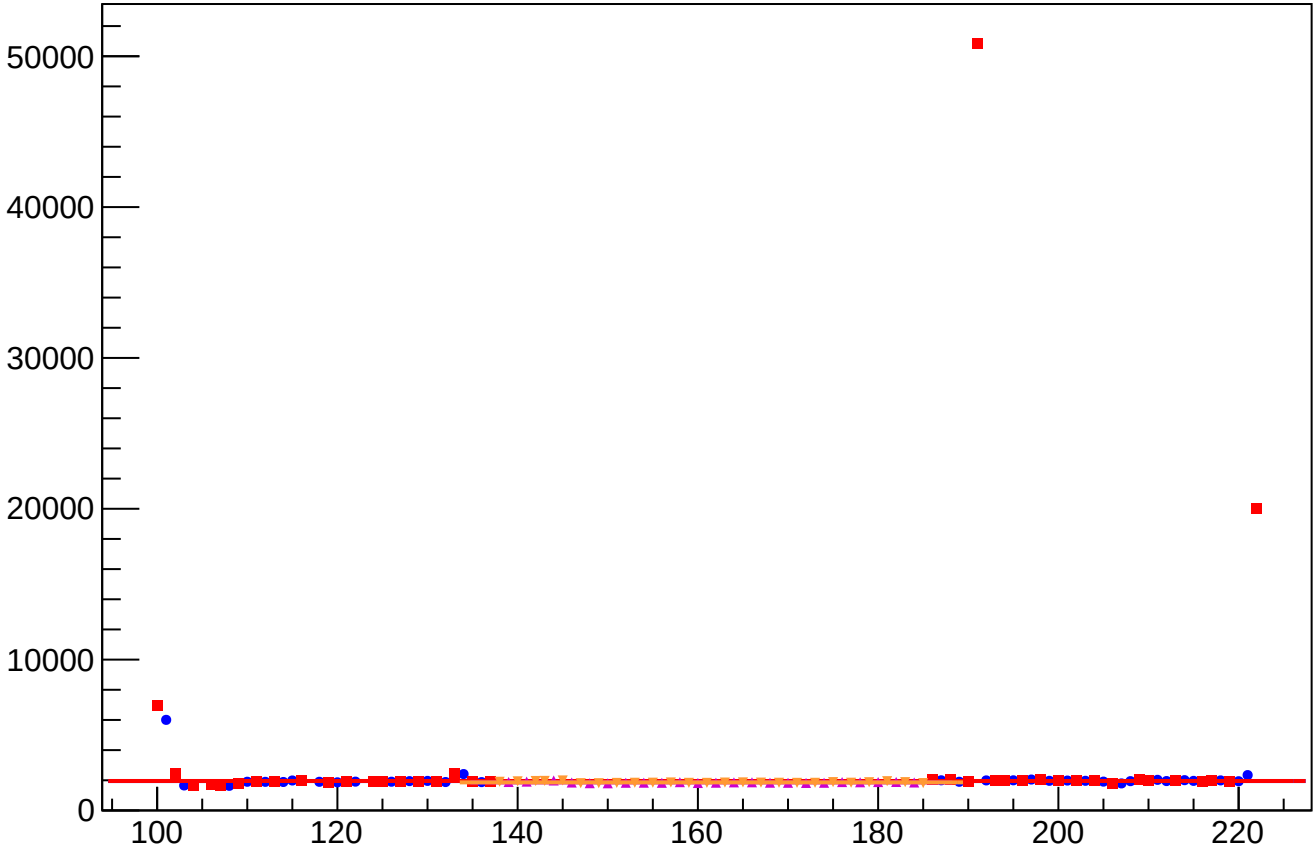
Right: -306.220+/-300.343 χ^2/NDF: 62.2/71

In: -736.583+/-303.208 χ^2/NDF:51.0/56

Out: 549.930+/-300.039 χ^2/NDF:57.0/62

All: -86.569+/-213.271 χ^2/NDF: 117.1/119

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: 1953.919+/-0.301 χ^2/NDF: 1834150.3/37

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

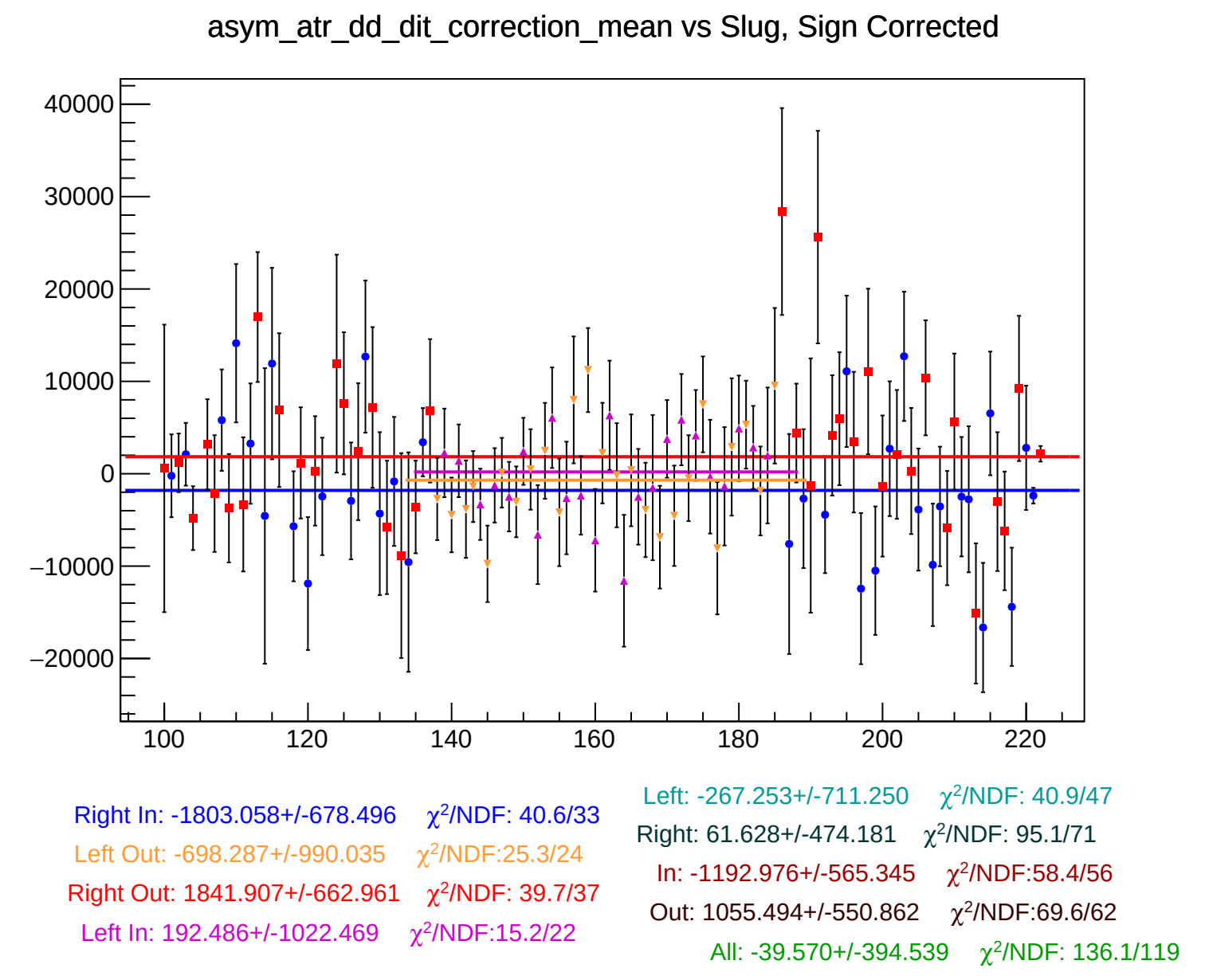
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

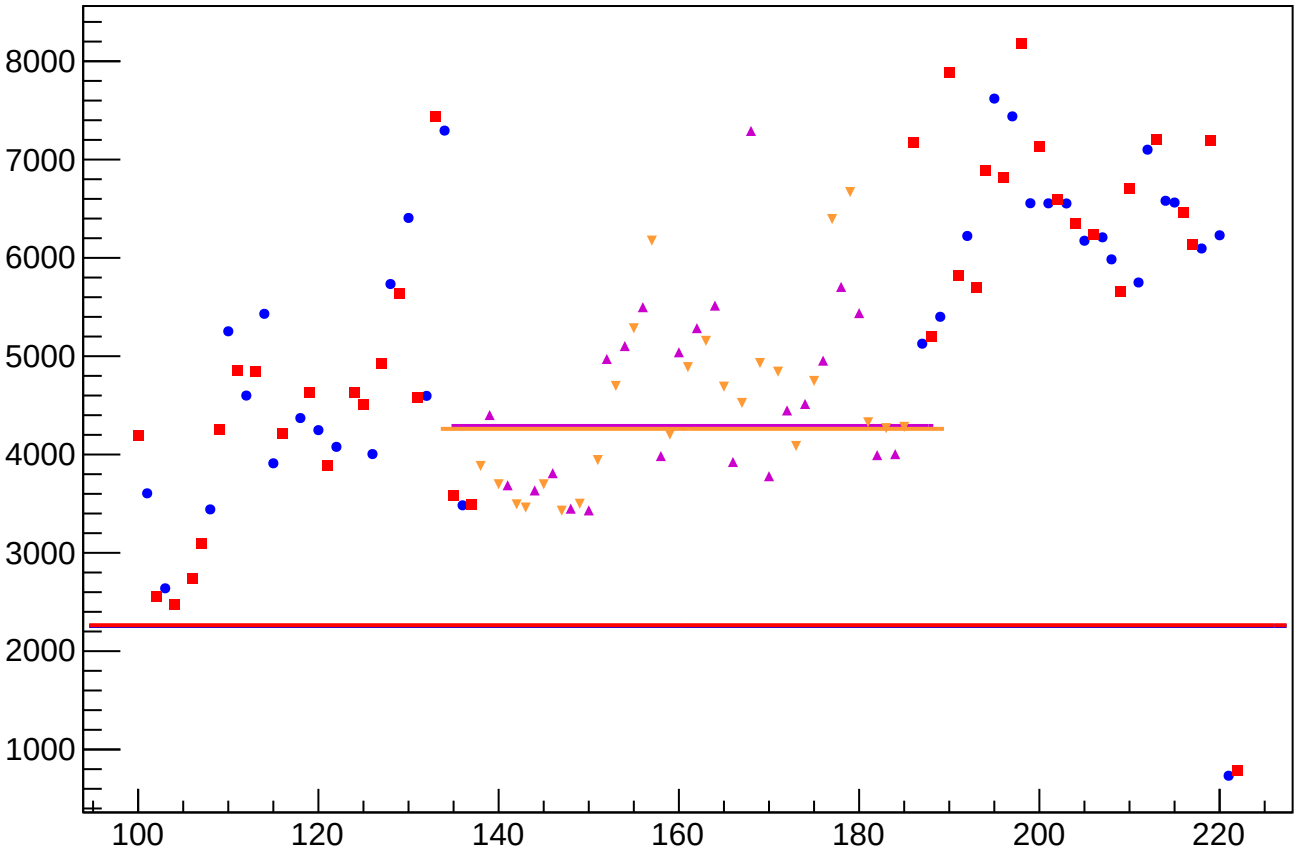
Right: 1951.470+/-0.212 χ^2/NDF: 2587523.1/71

In: 1904.409+/-0.214 χ^2/NDF:815010.5/56

Out: 1907.568+/-0.212 χ^2/NDF:1907383.9/62

All: 1906.005+/-0.151 χ^2/NDF: 2722504.2/11


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: 1841.907+/-662.961 χ²/NDF: 39.7/37
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 61.628+/-474.181 χ²/NDF: 95.1/71
In: -1192.976+/-565.345 χ²/NDF:58.4/56
Out: 1055.494+/-550.862 χ²/NDF:69.6/62
All: -39.570+/-394.539 χ²/NDF: 136.1/119



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: 2263.741+/-0.469 χ^2/NDF: 21178997.3/37

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

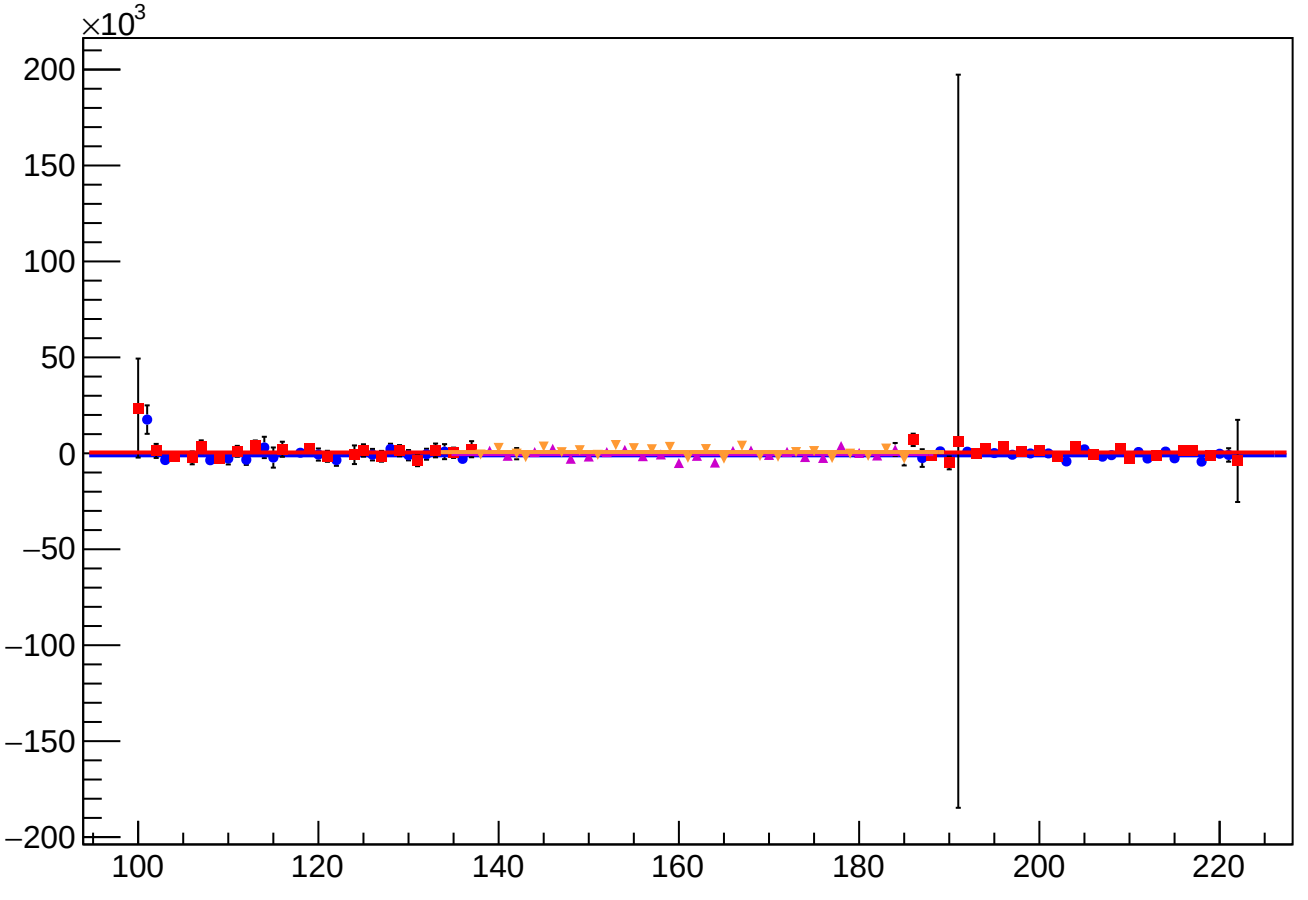
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 2259.995+/-0.335 χ^2/NDF: 42430999.5/71

In: 2878.010+/-0.400 χ^2/NDF:27962562.3/56

Out: 2882.106+/-0.390 χ^2/NDF:27989870.7/62

All: 2880.111+/-0.279 χ^2/NDF: 55952486.9/1



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: 440.952+/-425.587 χ^2/NDF: 29.8/37

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

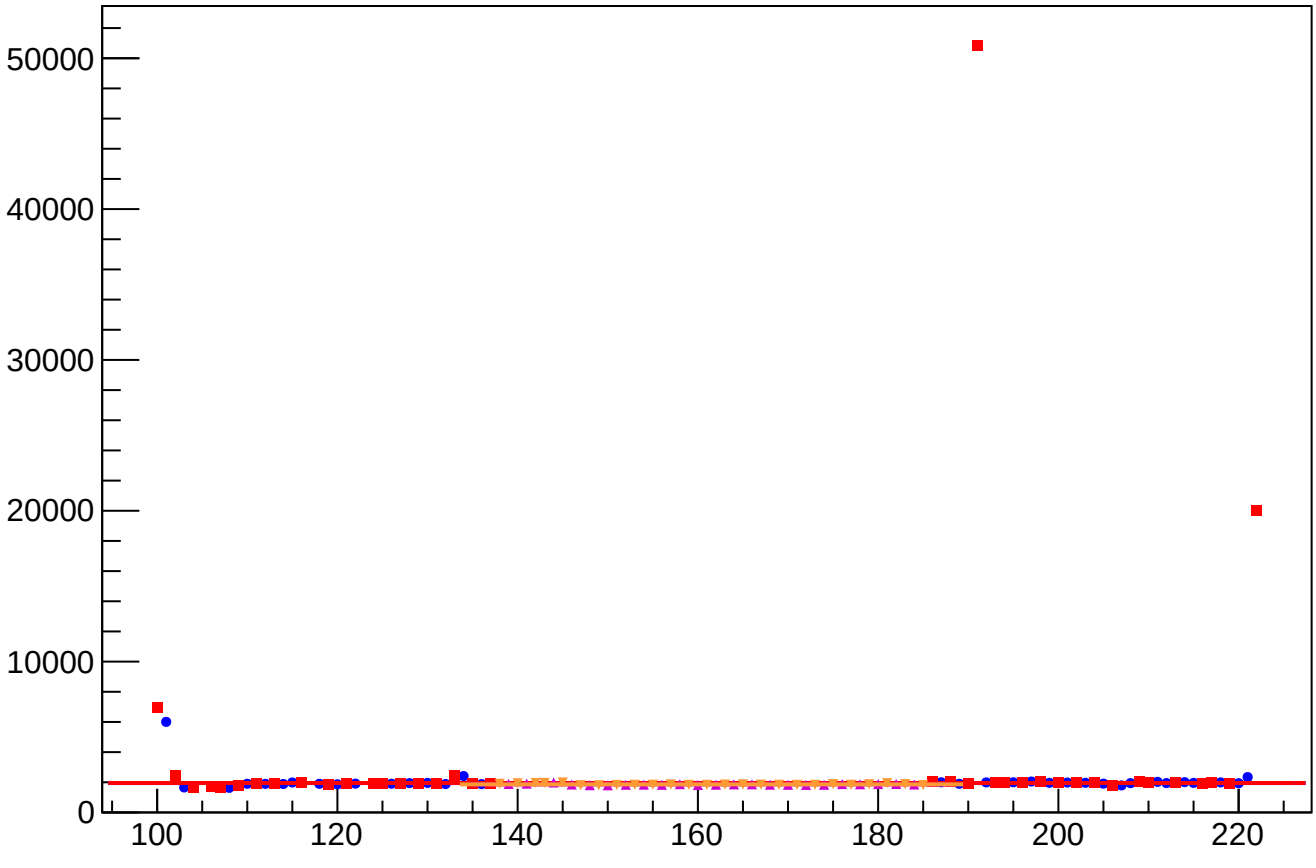
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -306.219+/-300.343 χ^2/NDF: 62.2/71

In: -736.580+/-303.208 χ^2/NDF:51.0/56

Out: 549.931+/-300.039 χ^2/NDF:57.0/62

All: -86.567+/-213.271 χ^2/NDF: 117.1/119



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: 1953.919+/-0.301 χ^2/NDF: 1834150.5/37

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

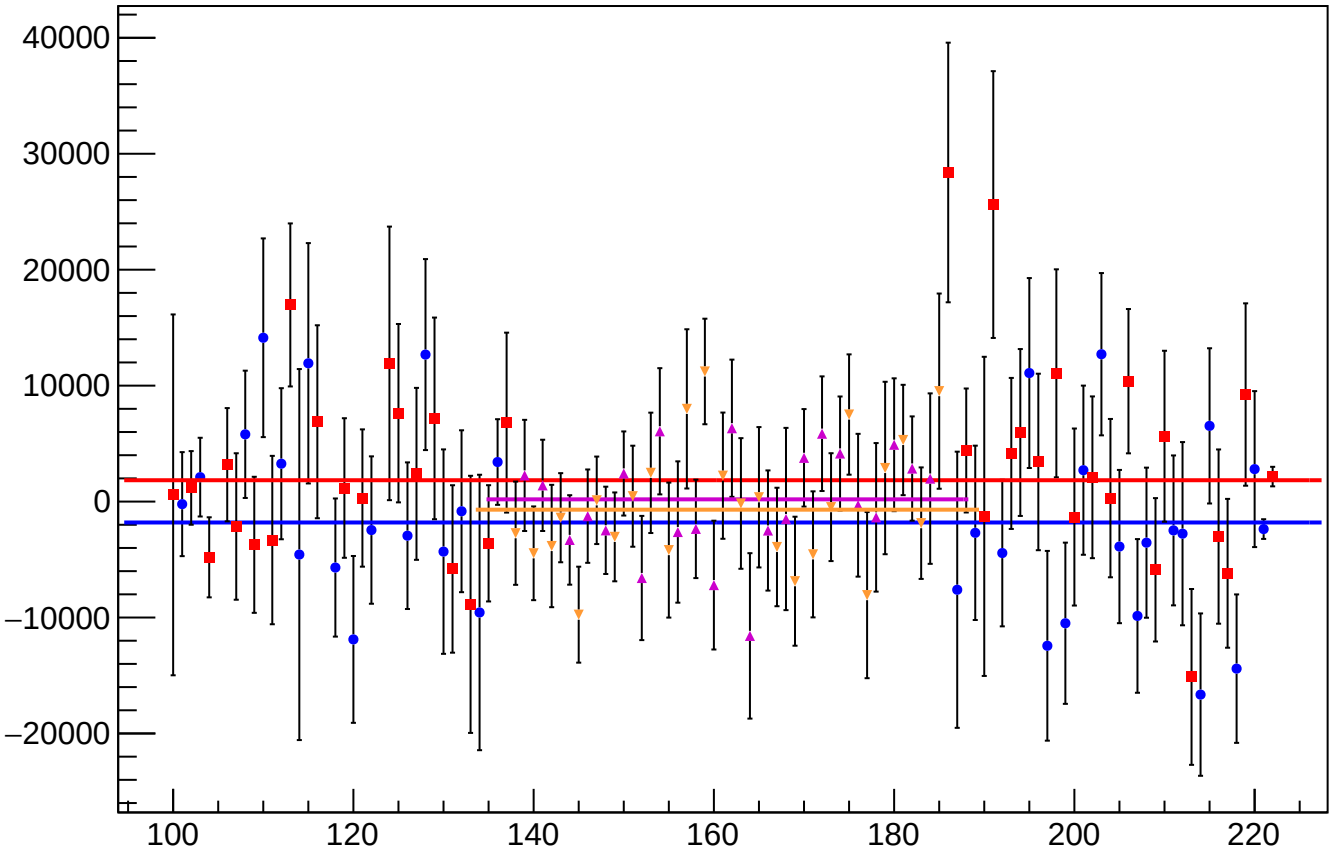
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1951.470+/-0.212 χ^2/NDF: 2587523.1/71

In: 1904.409+/-0.214 χ^2/NDF:815009.6/56

Out: 1907.569+/-0.212 χ^2/NDF:1907383.6/62

All: 1906.006+/-0.151 χ^2/NDF: 2722503.0/11



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: 1841.904+/-662.962 χ^2/NDF: 39.7/37

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

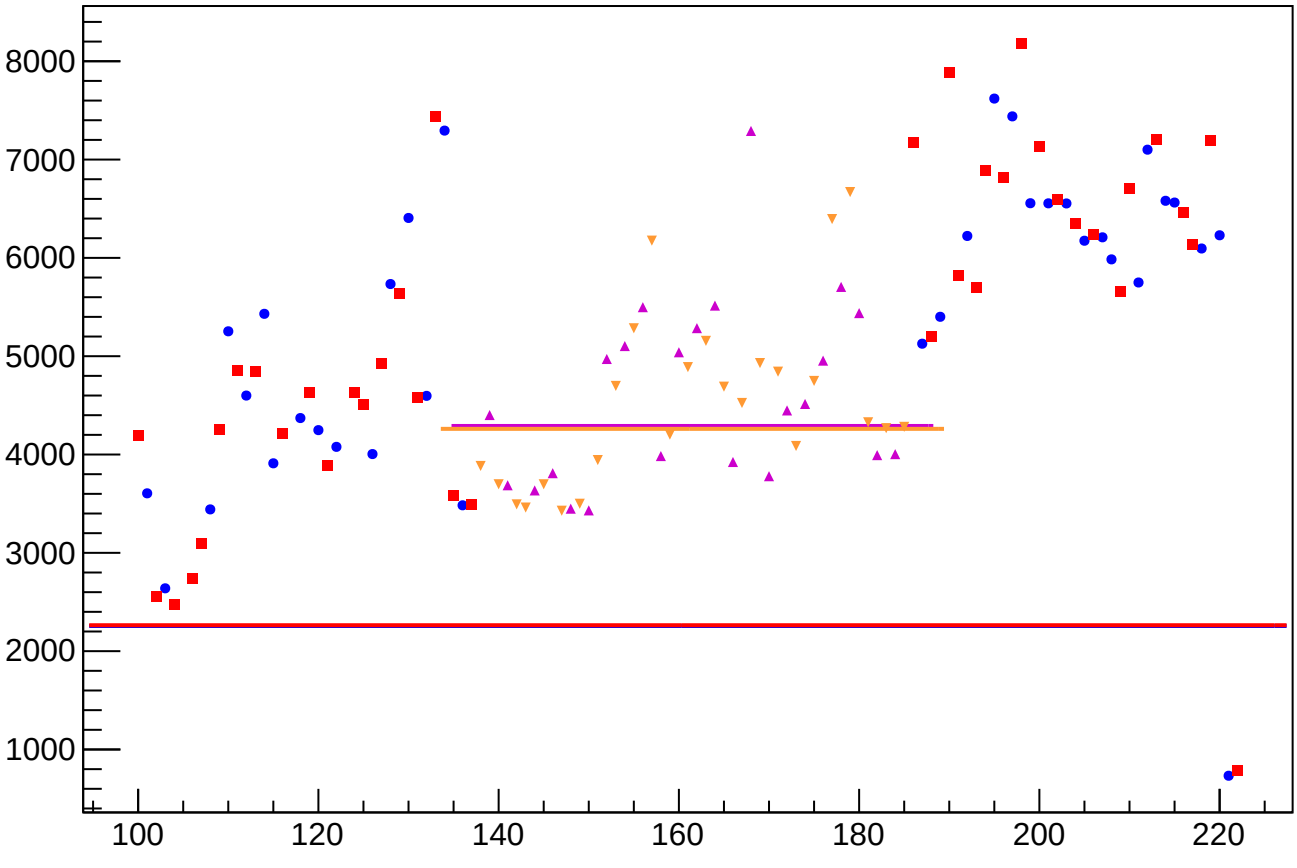
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 61.634+/-474.182 χ^2/NDF: 95.1/71

In: -1192.965+/-565.346 χ^2/NDF:58.4/56

Out: 1055.492+/-550.862 χ^2/NDF:69.6/62

All: -39.566+/-394.540 χ^2/NDF: 136.1/119



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: 2263.746+/-0.469 χ^2/NDF: 21178951.4/37

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

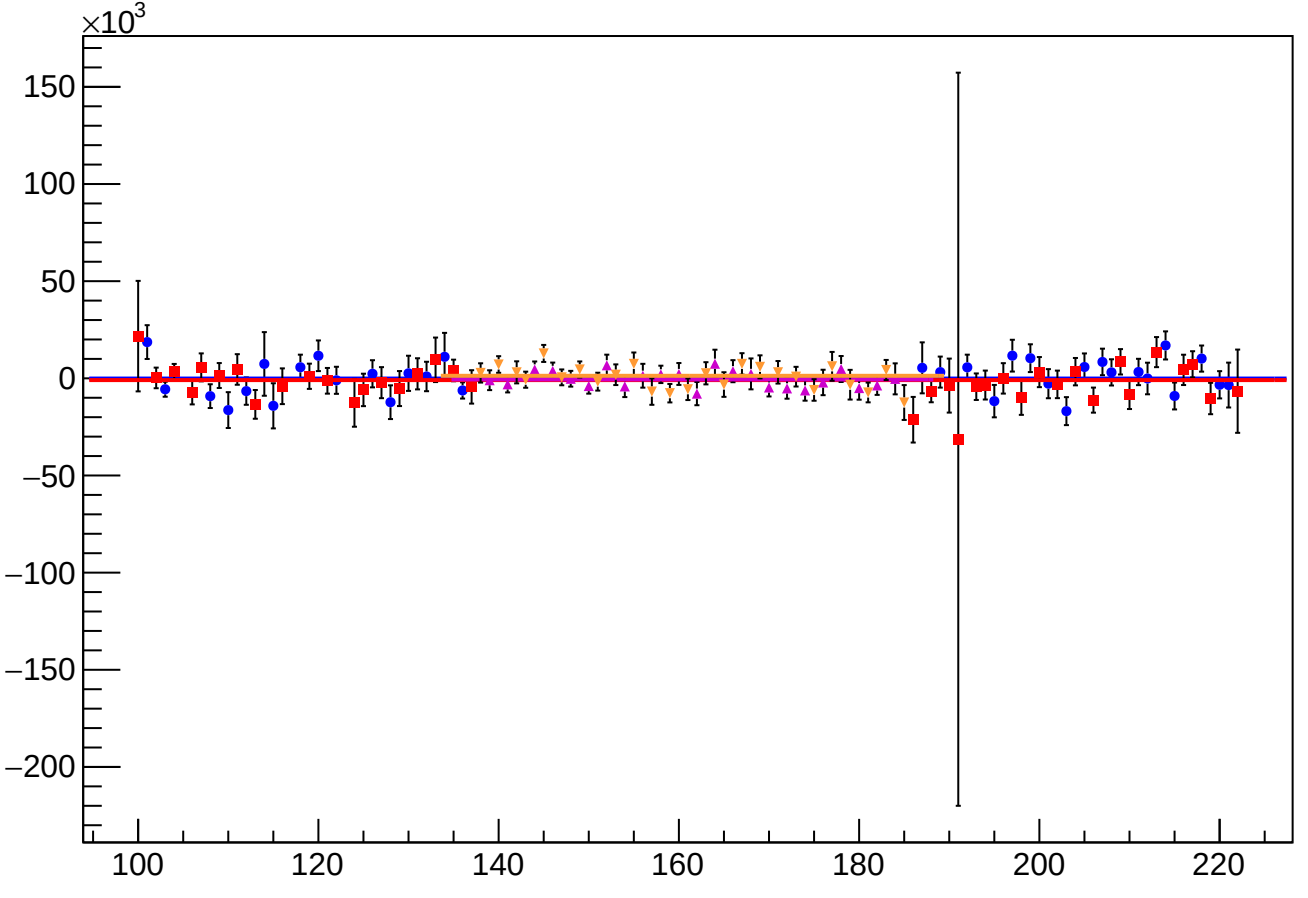
Right: 2260.000+/-0.335 χ^2/NDF: 42430915.1/71

In: 2878.015+/-0.400 χ^2/NDF:27962522.4/56

Out: 2882.112+/-0.390 χ^2/NDF:27989819.6/62

All: 2880.116+/-0.279 χ^2/NDF: 55952395.8/

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: -907.838+/-1208.256 χ^2/NDF: 29.4/37

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

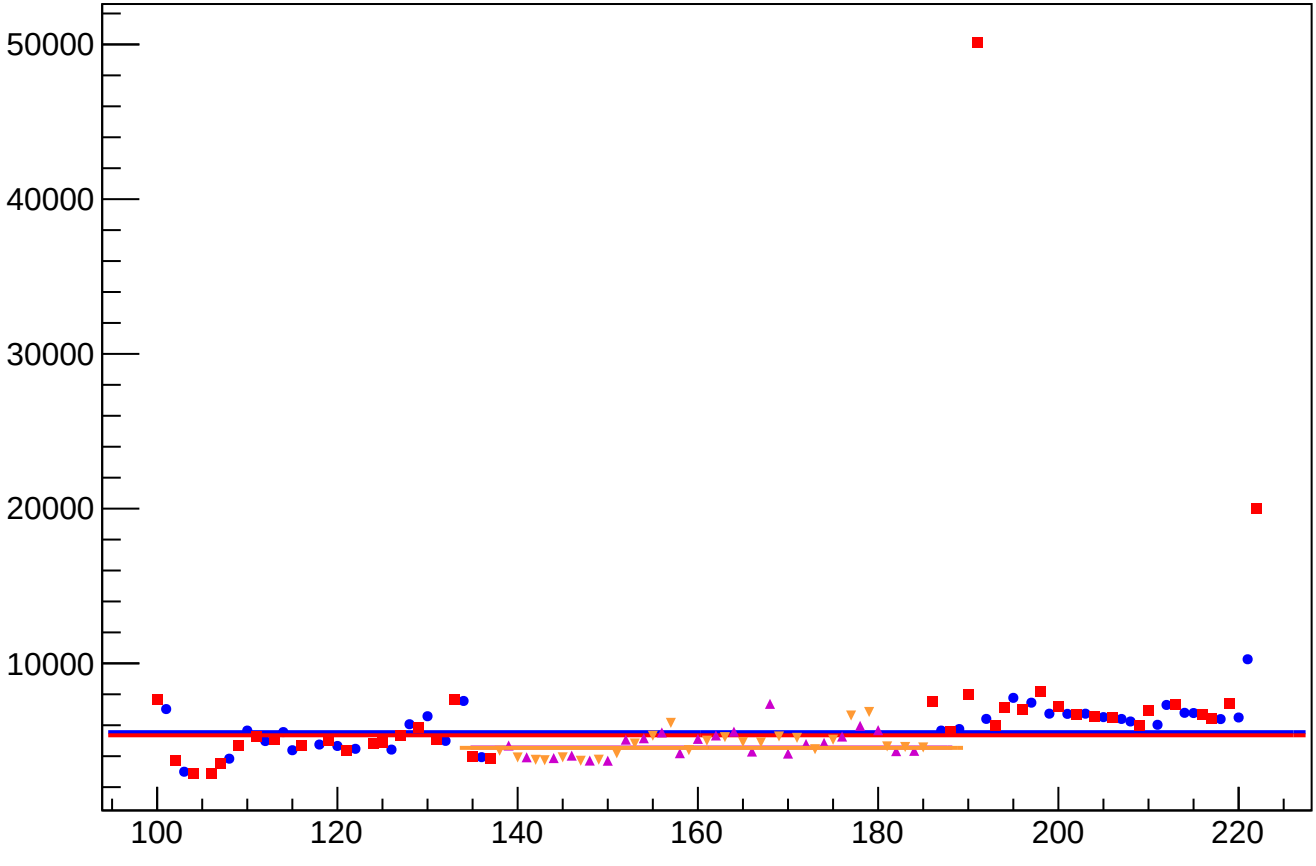
Right: -519.135+/-862.290 χ^2/NDF: 77.8/71

In: -375.587+/-812.741 χ^2/NDF:62.7/56

Out: 349.579+/-792.358 χ^2/NDF:59.8/62

All: -3.796+/-567.351 χ^2/NDF: 122.9/119

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: 5350.198+/-0.850 χ^2/NDF: 4281759.1/37

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

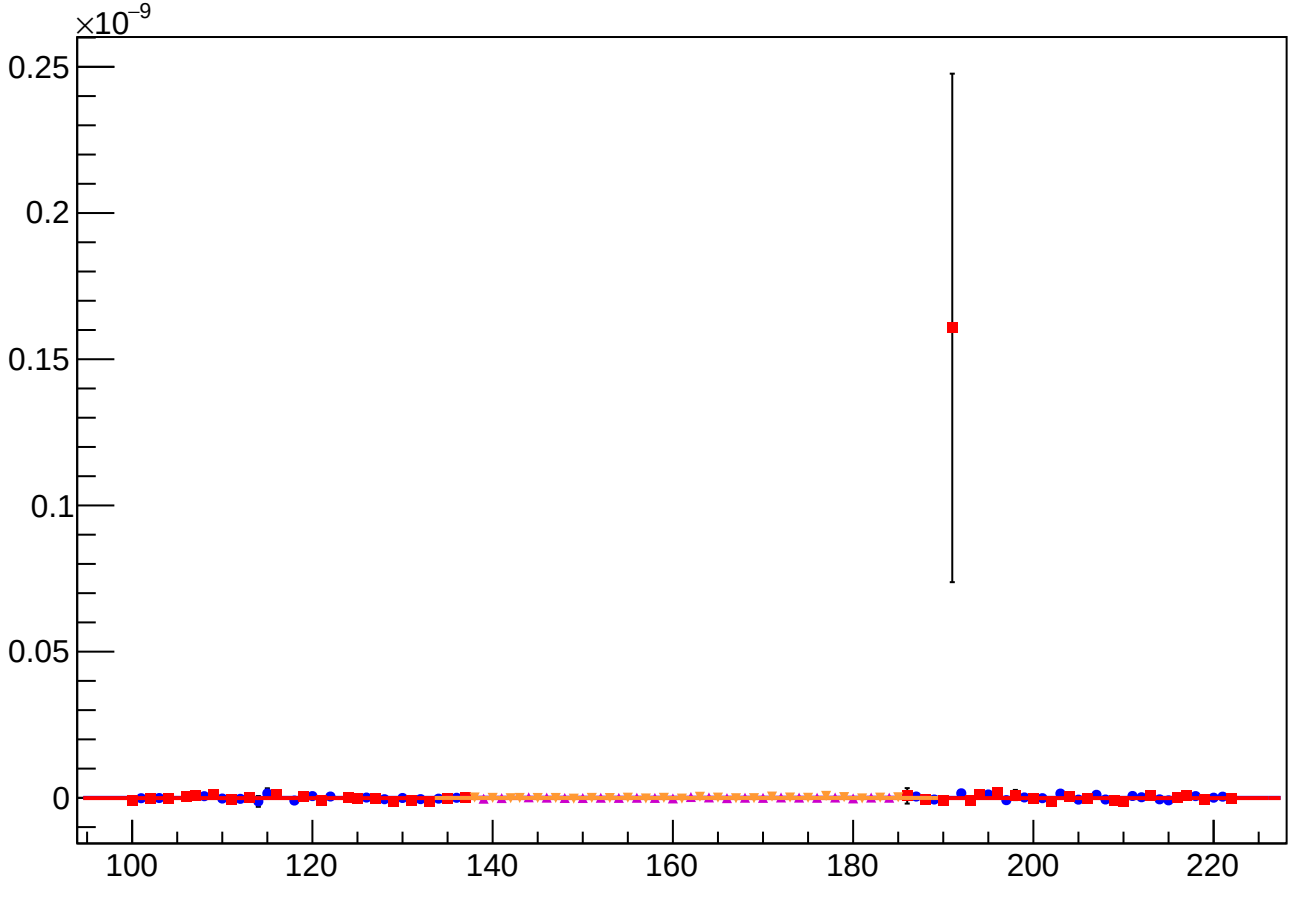
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5448.880+/-0.608 χ^2/NDF: 7156718.8/71

In: 4992.818+/-0.575 χ^2/NDF:4559862.2/56

Out: 4889.070+/-0.559 χ^2/NDF:5792499.4/62

All: 4939.525+/-0.401 χ^2/NDF: 10369102.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/37

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

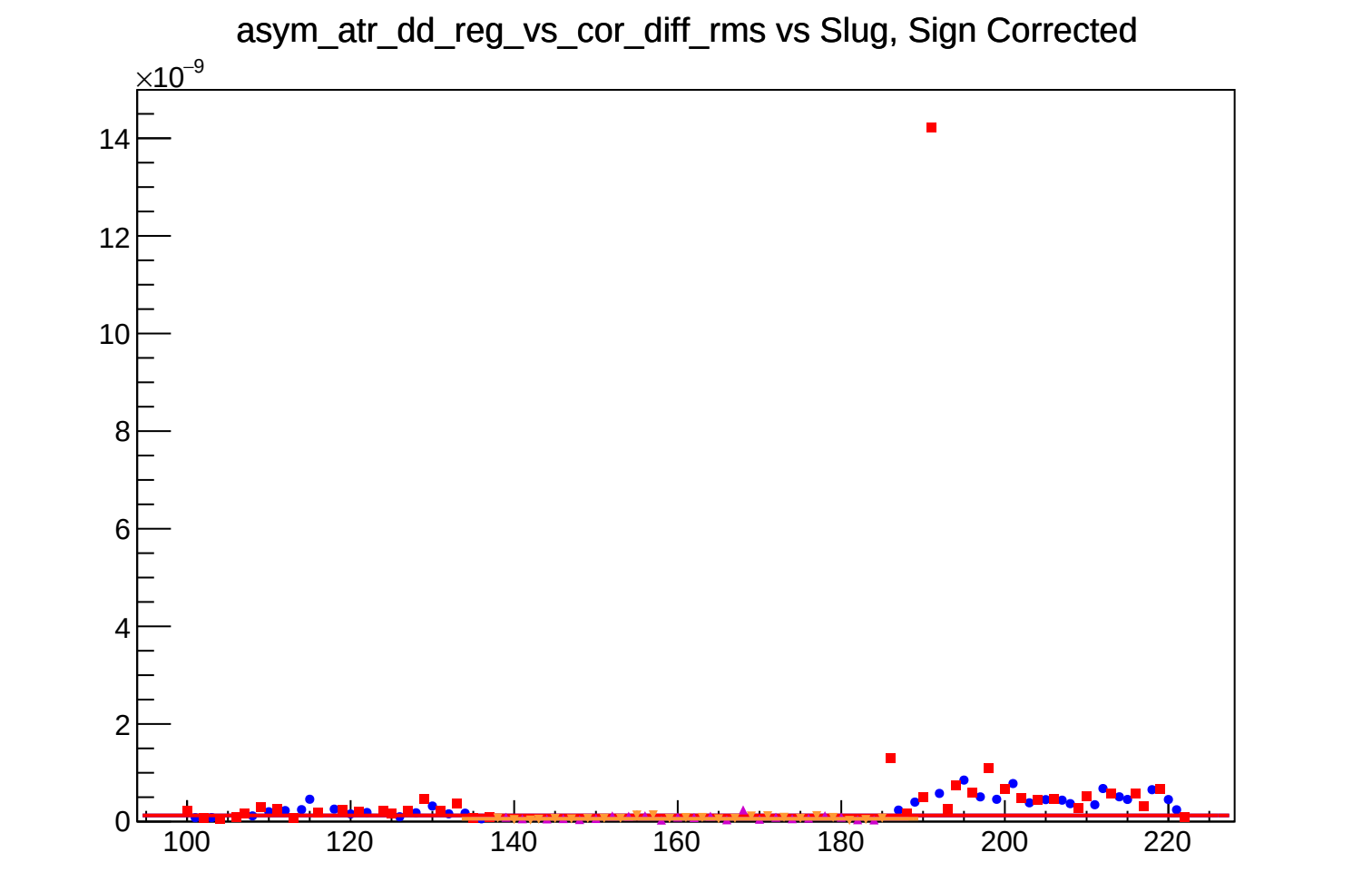
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 76.1/71

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: -0.000+/-0.000 χ^2/NDF:83.9/62

All: -0.000+/-0.000 χ^2/NDF: 136.7/119



Right In: 0.000+/-0.000 χ^2/NDF: 8798075.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8488898.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

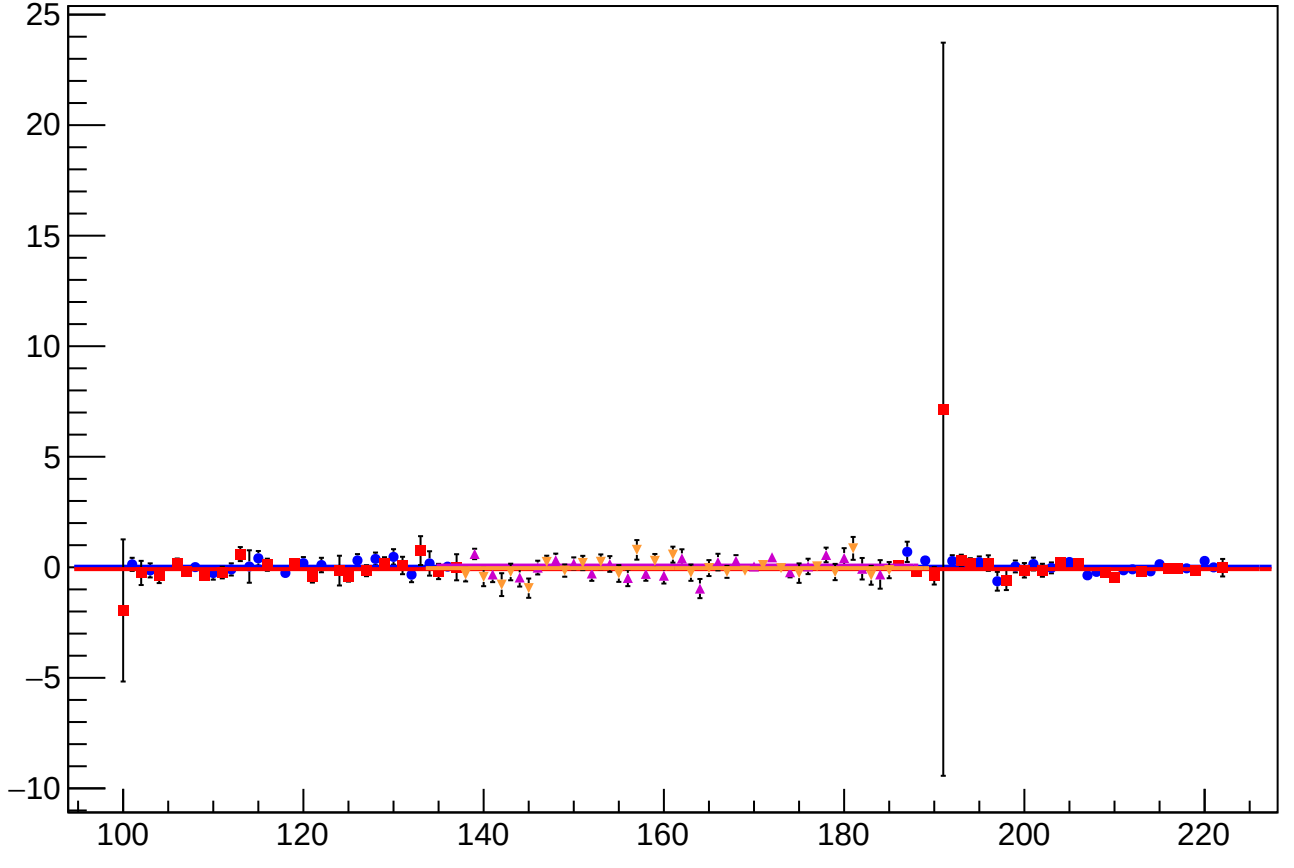
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17287203.8/71

In: 0.000+/-0.000 χ^2/NDF:13100189.1/56

Out: 0.000+/-0.000 χ^2/NDF:12645506.2/62

All: 0.000+/-0.000 χ^2/NDF: 25752335.3/119



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: 33.4/37

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

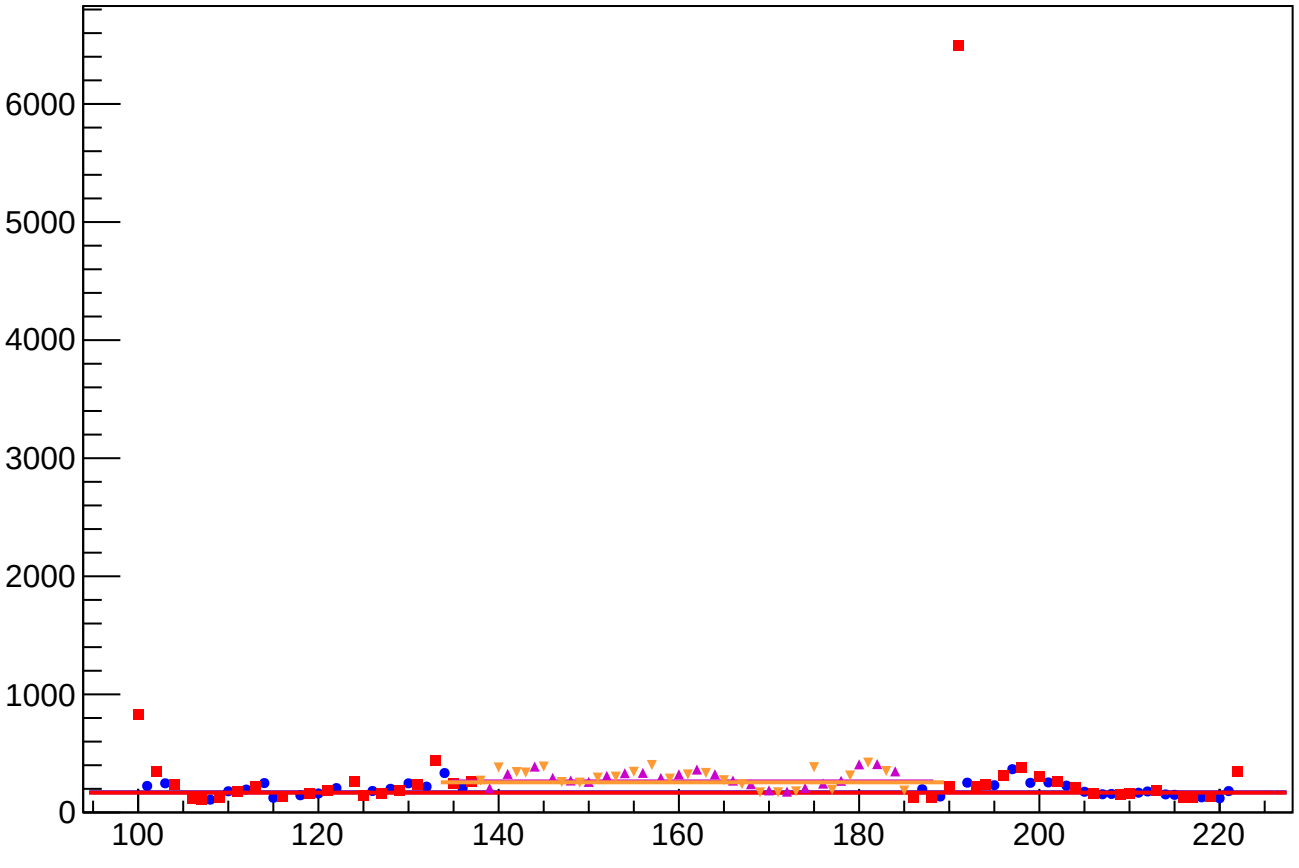
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.028+/-0.027 χ^2/NDF: 72.5/71

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/62

All: -0.016+/-0.023 χ^2/NDF: 130.5/119



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: 167.700+/-0.027 χ^2/NDF: 4525324.7/37

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

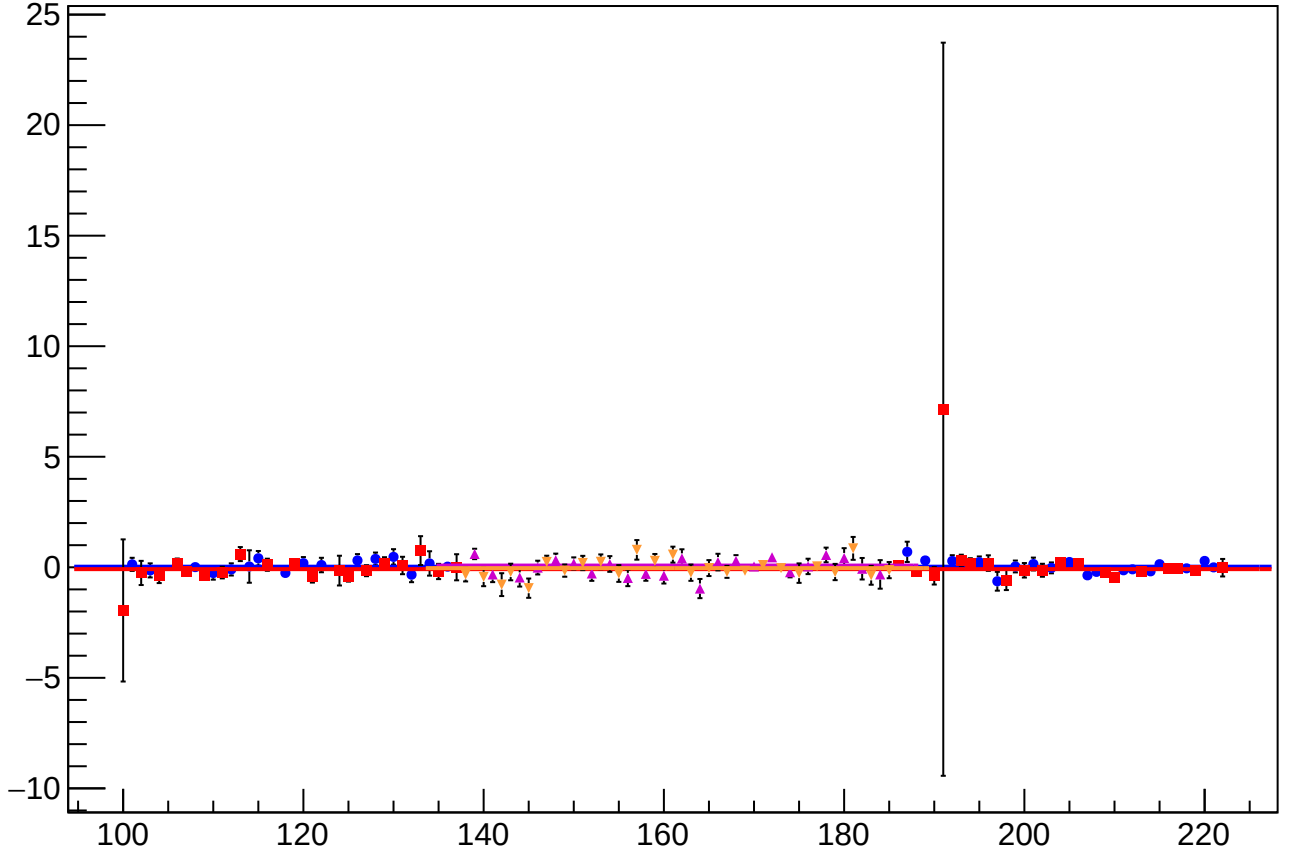
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 169.103+/-0.019 χ^2/NDF: 7320609.1/71

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 192.382+/-0.023 χ^2/NDF:10339811.4/62

All: 193.528+/-0.017 χ^2/NDF: 18145180.7/11



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: 33.4/37

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

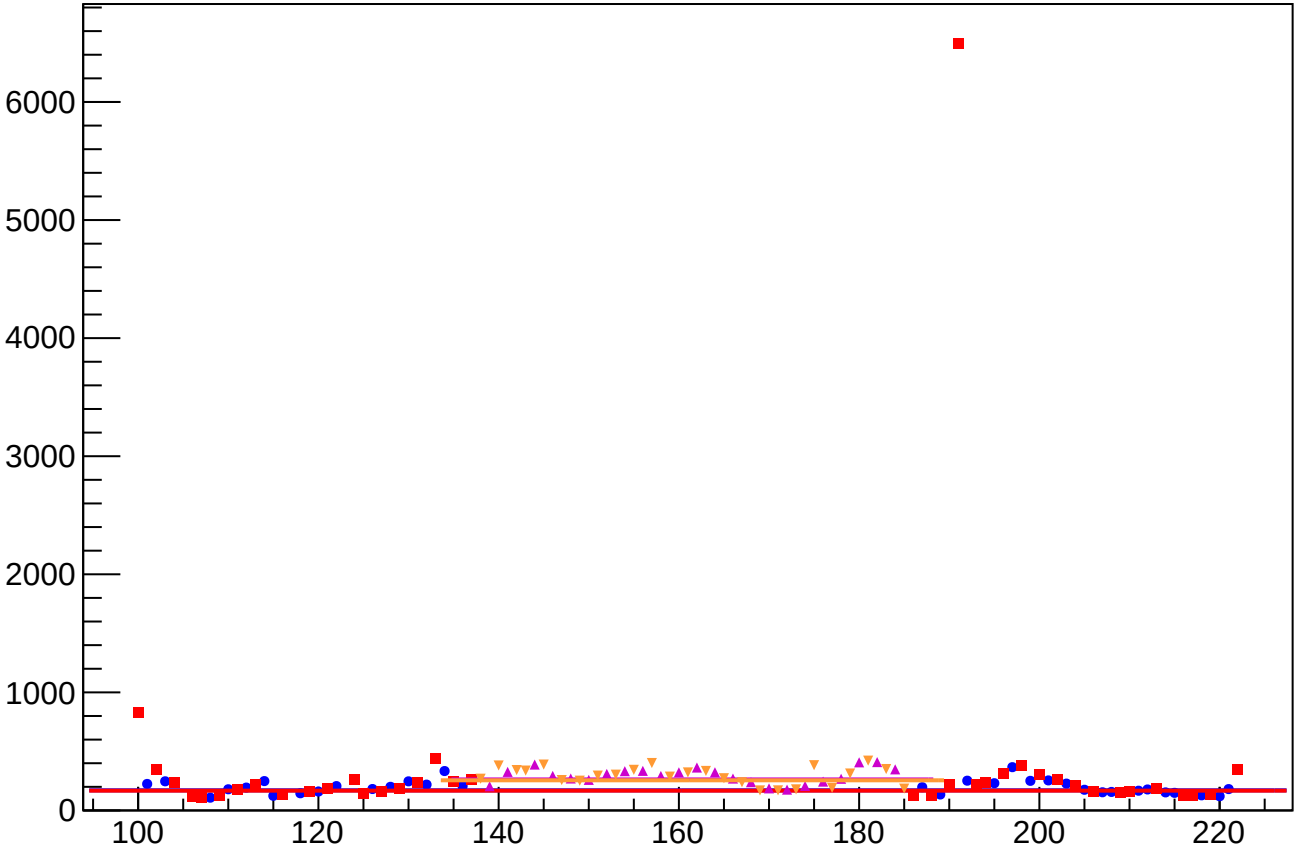
Right: -0.028+/-0.027 χ^2/NDF: 72.5/71

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/62

All: -0.016+/-0.023 χ^2/NDF: 130.5/119

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 167.700+/-0.027 χ^2/NDF: 4525324.7/37

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

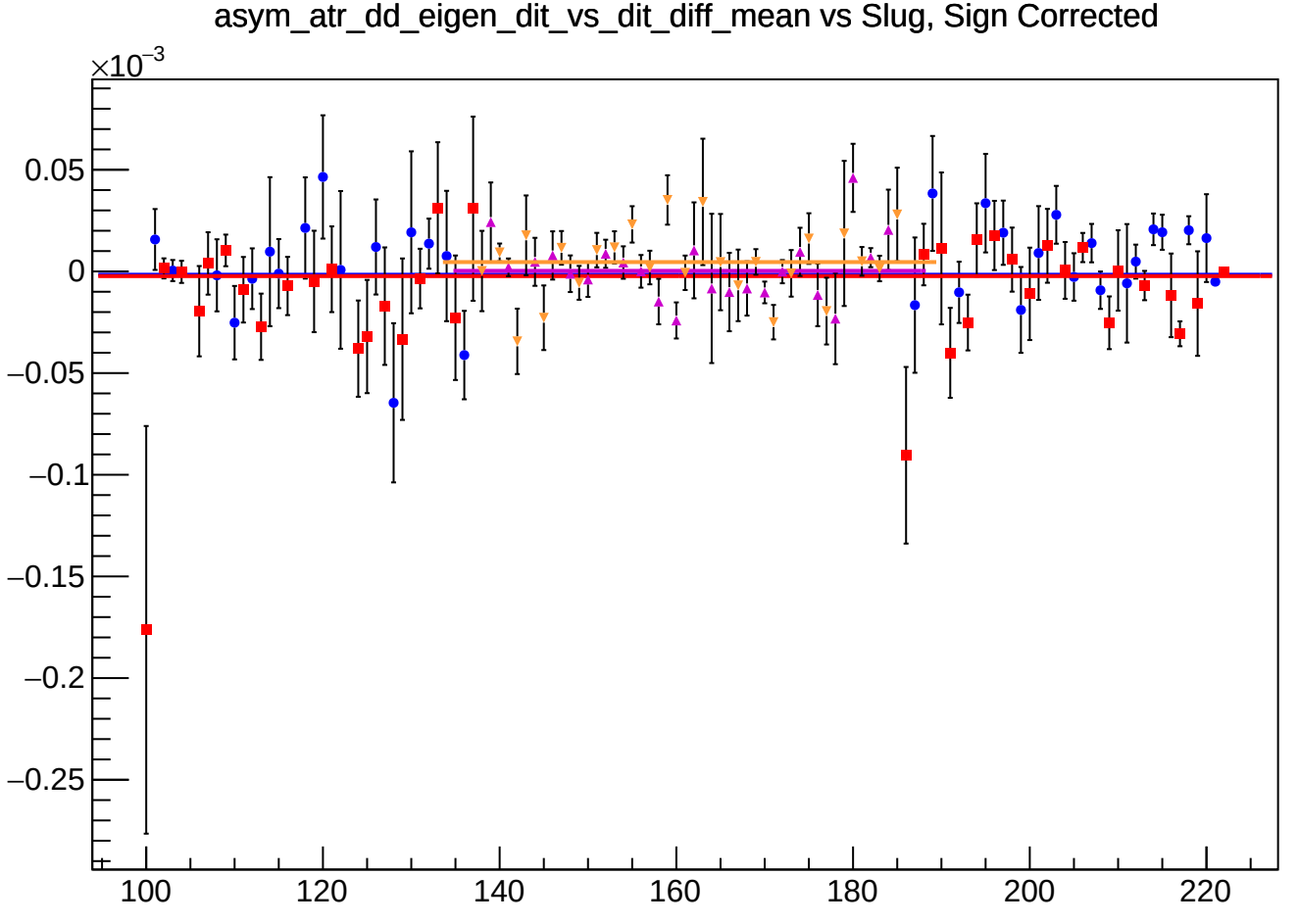
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 169.103+/-0.019 χ^2/NDF: 7320609.1/71

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 192.382+/-0.023 χ^2/NDF:10339811.4/62

All: 193.528+/-0.017 χ^2/NDF: 18145180.7/11



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: 60.7/37

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

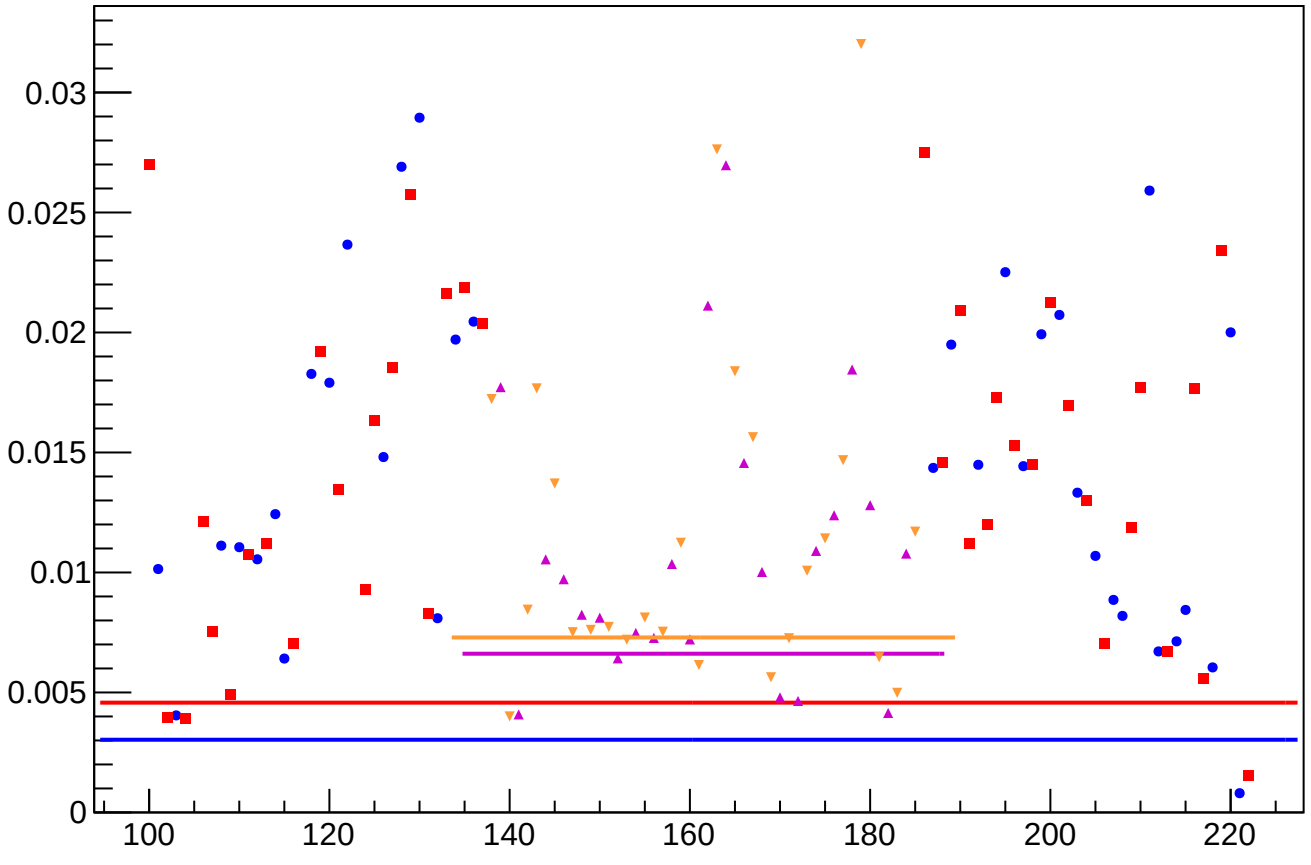
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 122.2/71

In: -0.000+/-0.000 χ^2/NDF:93.4/56

Out: 0.000+/-0.000 χ^2/NDF:112.7/62

All: -0.000+/-0.000 χ^2/NDF: 206.7/119



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: 0.005+/-0.000 χ^2/NDF: 21881273.0/37

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

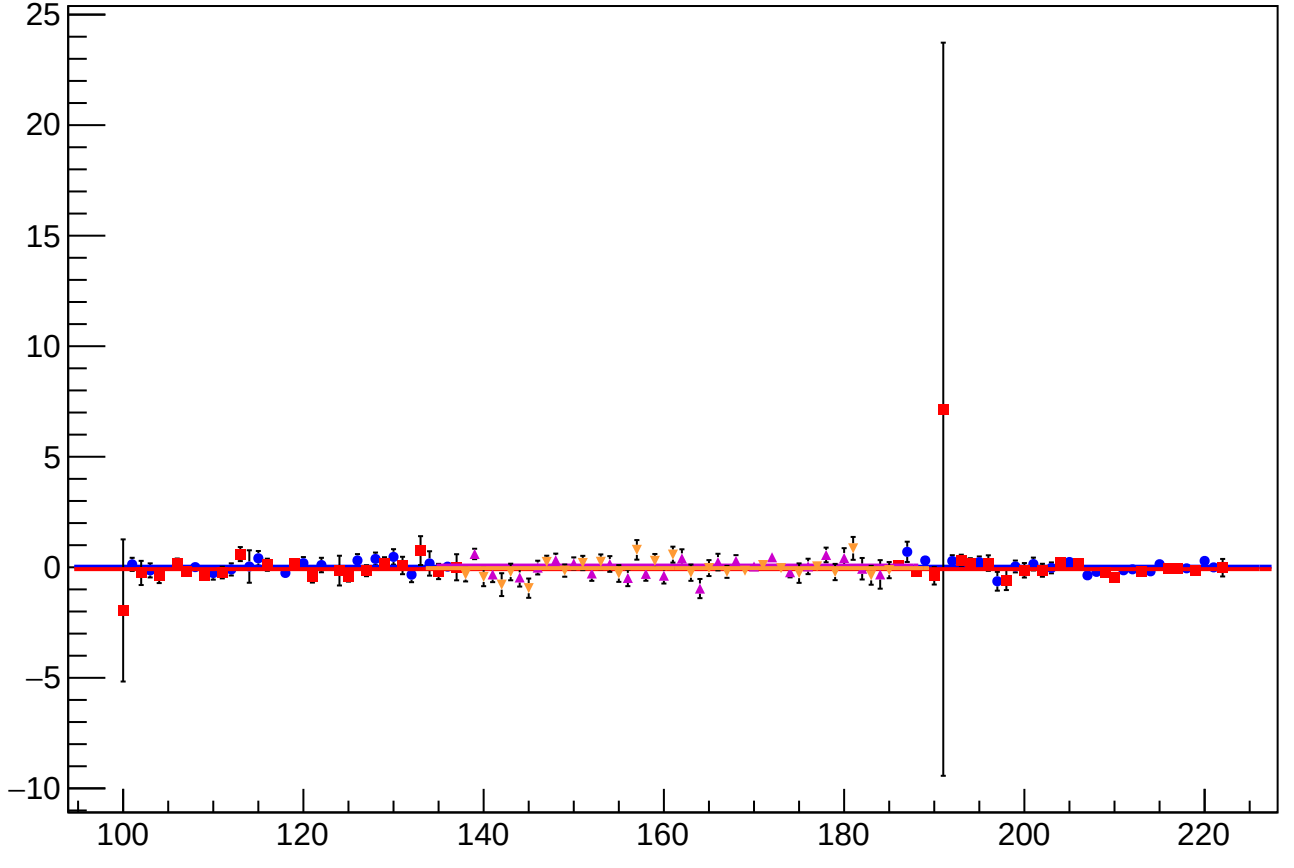
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.004+/-0.000 χ^2/NDF: 51279564.1/71

In: 0.004+/-0.000 χ^2/NDF:39942081.3/56

Out: 0.006+/-0.000 χ^2/NDF:31332627.1/62

All: 0.005+/-0.000 χ^2/NDF: 73098764.6/119



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: 33.4/37

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

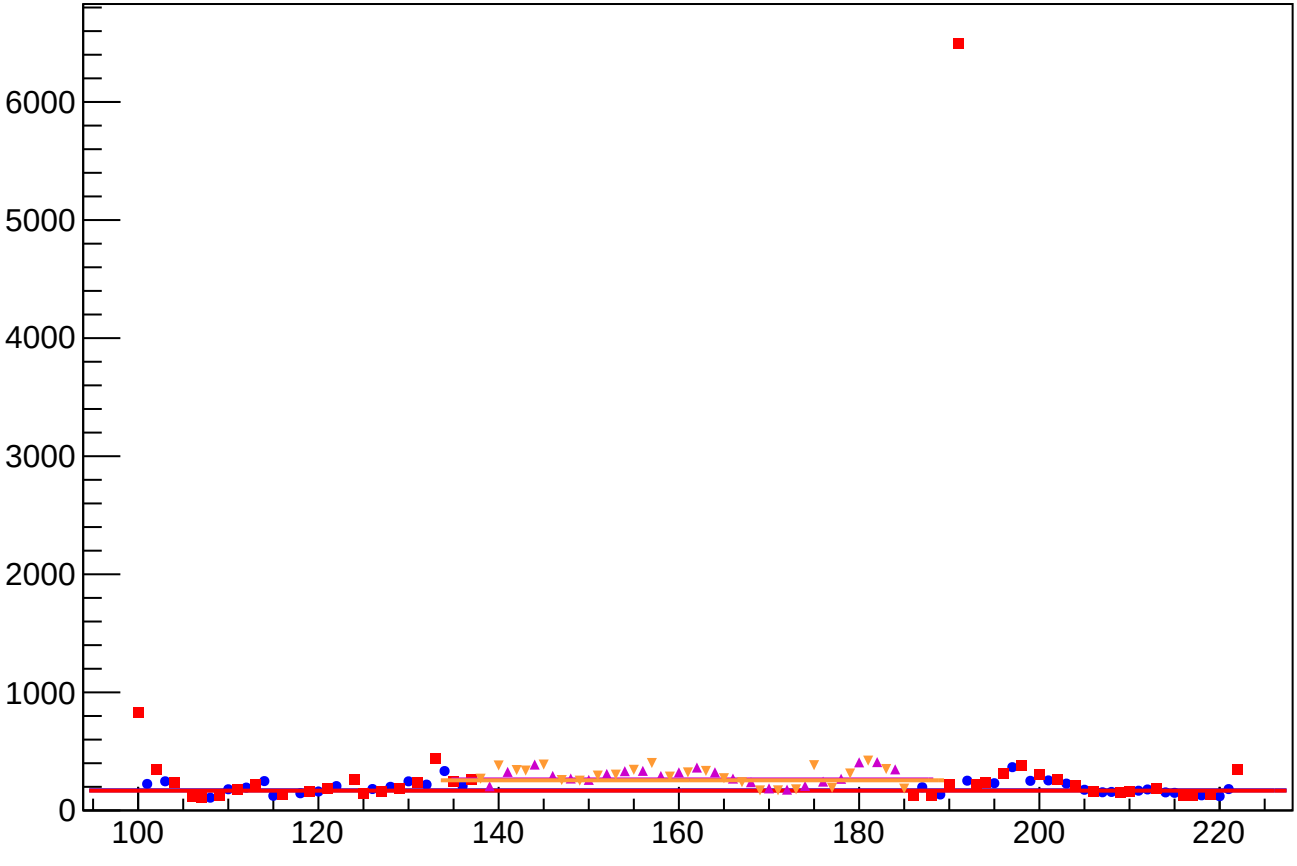
Right: -0.028+/-0.027 χ^2/NDF: 72.5/71

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/62

All: -0.016+/-0.023 χ^2/NDF: 130.5/119

asym_atr_dd_eigen_dit_vs_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: 167.701+/-0.027 χ^2/NDF: 4525257.1/37

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

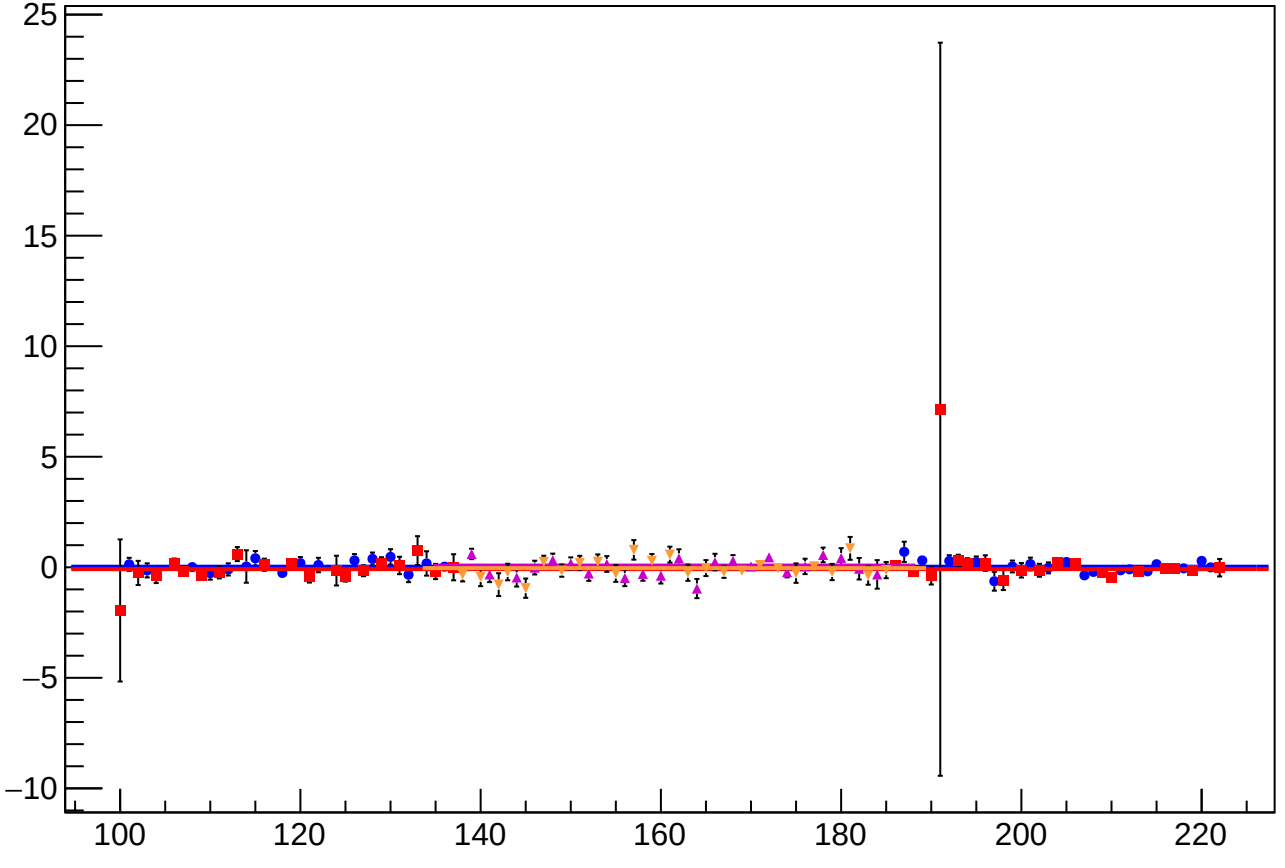
Right: 169.103+/-0.019 χ^2/NDF: 7320606.2/71

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 192.383+/-0.023 χ^2/NDF:10339844.0/62

All: 193.529+/-0.017 χ^2/NDF: 18145472.8/11

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/37

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

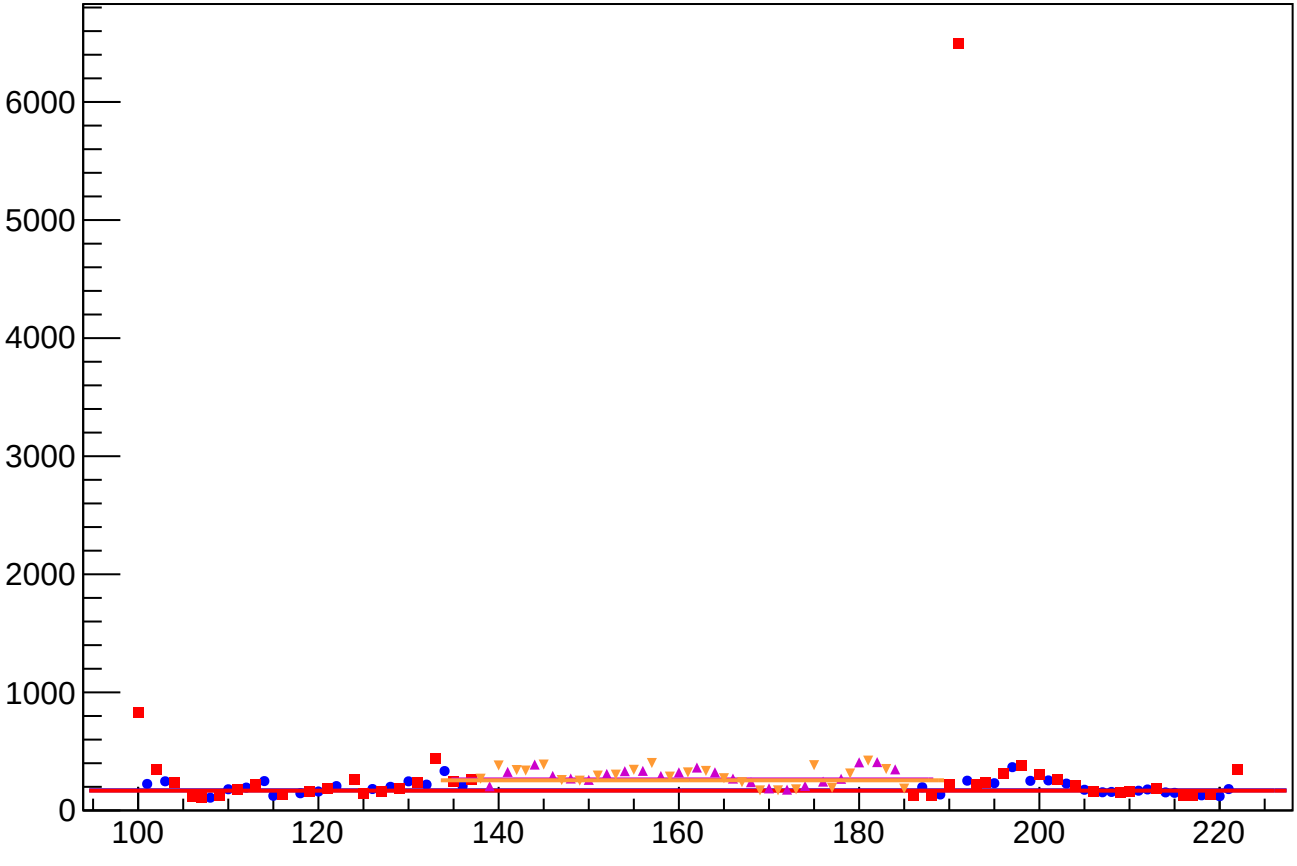
Right: -0.028+/-0.027 χ^2/NDF: 72.5/71

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/62

All: -0.016+/-0.023 χ^2/NDF: 130.5/119

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: 167.701+/-0.027 χ^2/NDF: 4525257.1/37

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

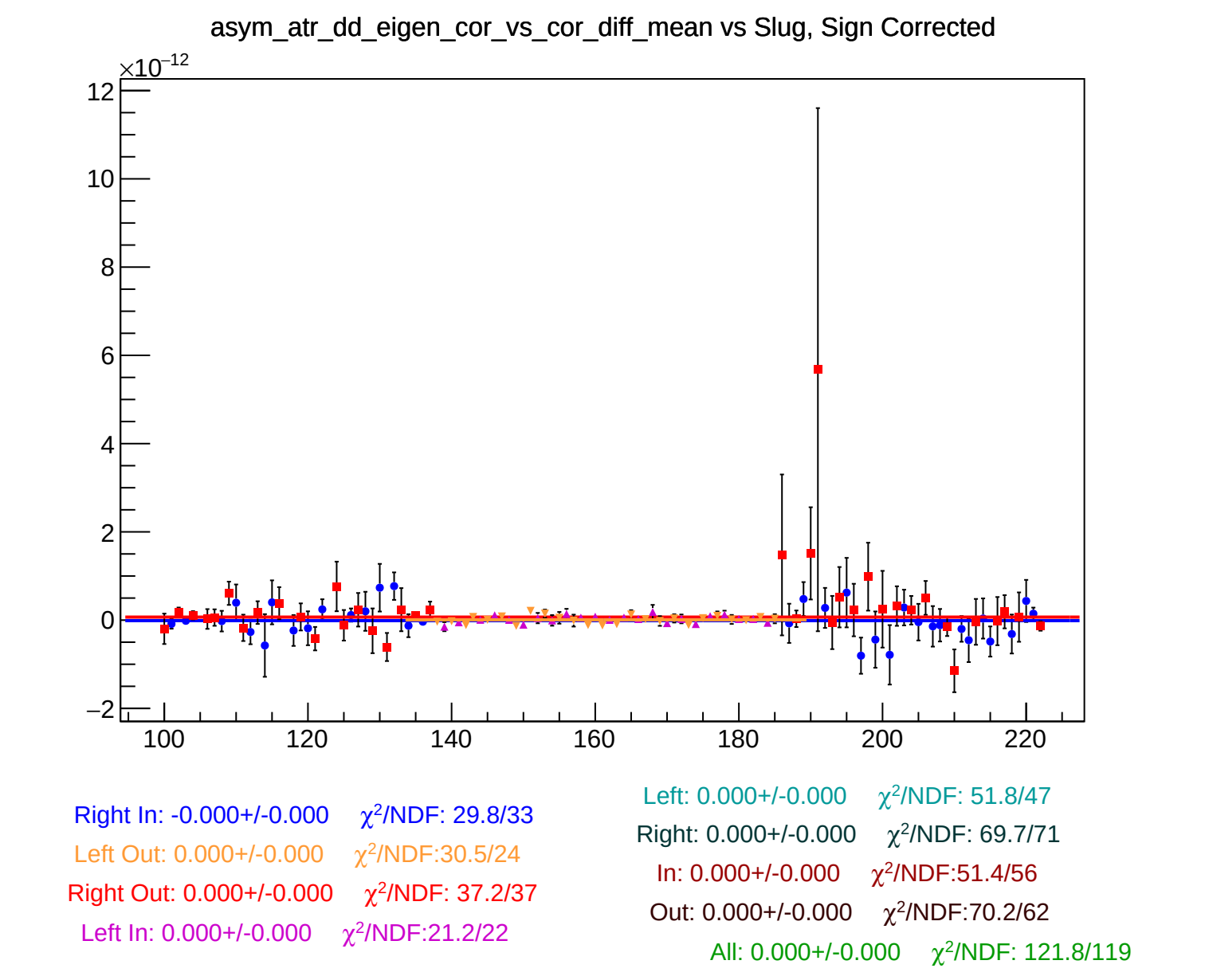
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

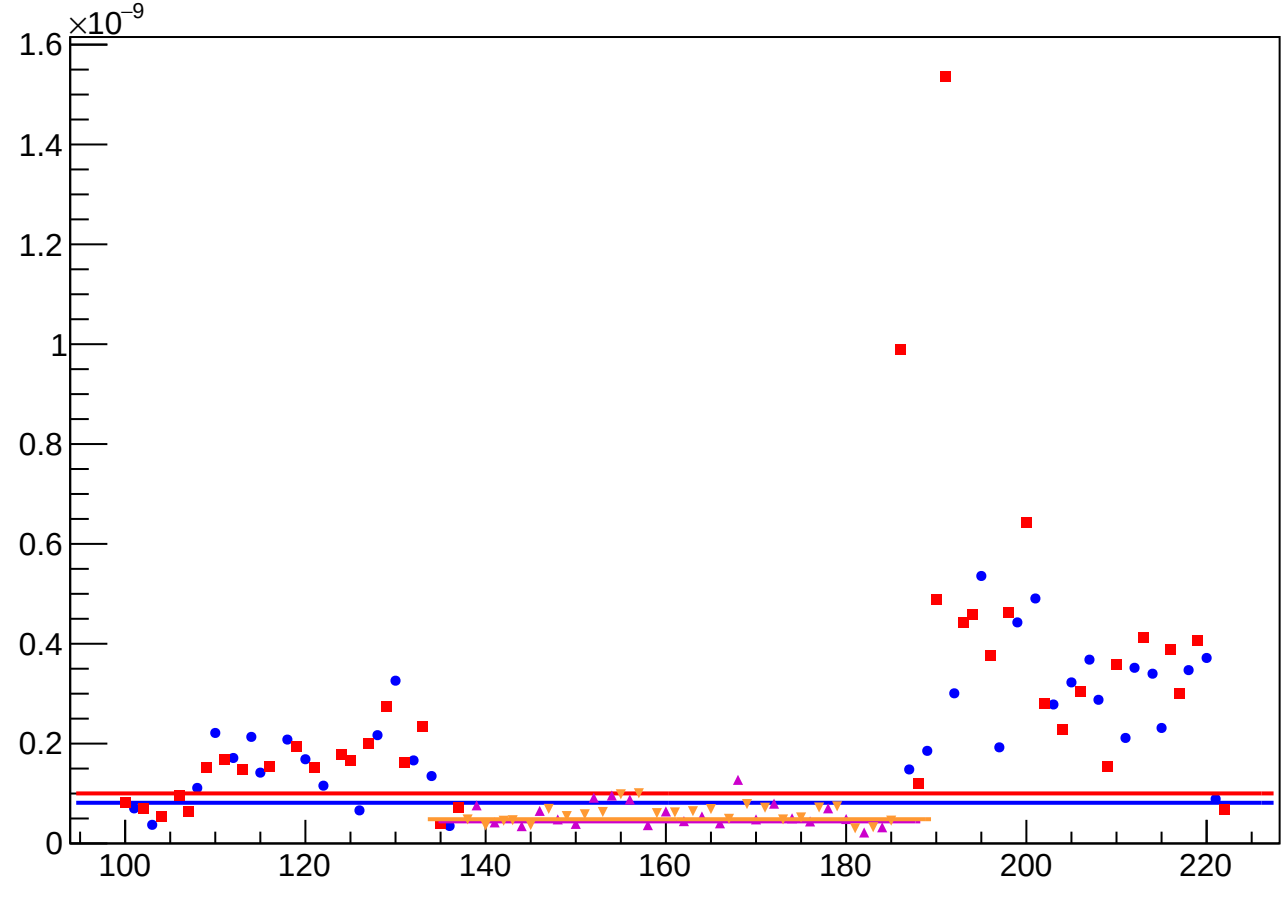
Right: 169.103+/-0.019 χ^2/NDF: 7320606.2/71

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 192.383+/-0.023 χ^2/NDF:10339844.0/62

All: 193.529+/-0.017 χ^2/NDF: 18145472.8/11


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.8/33
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.2/37
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 69.7/71
In: 0.000+/-0.000 χ²/NDF:51.4/56
Out: 0.000+/-0.000 χ²/NDF:70.2/62
All: 0.000+/-0.000 χ²/NDF: 121.8/119



Right In: 0.000+/-0.000 χ^2/NDF: 13113135.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11535392.9/37

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

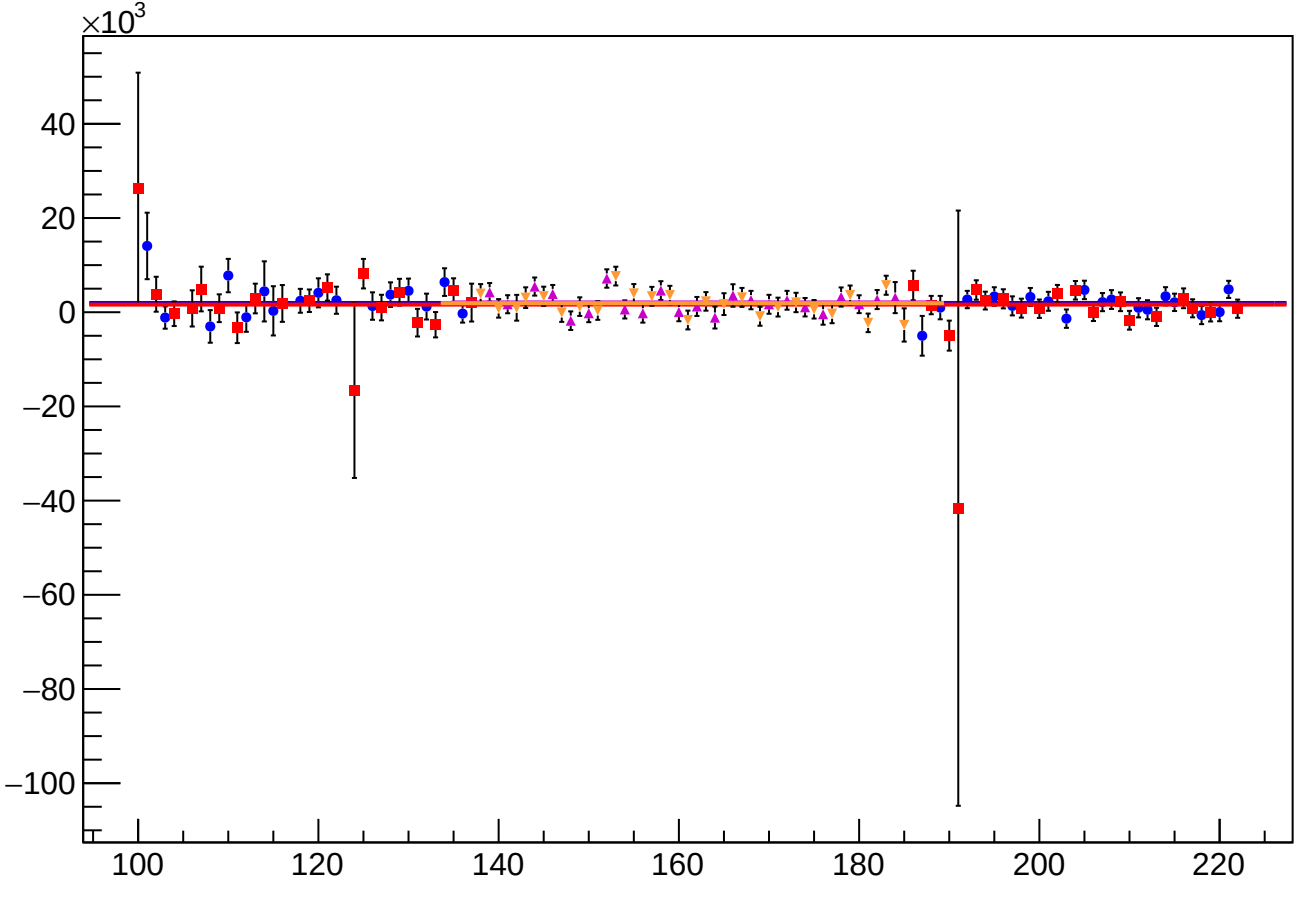
Right: 0.000+/-0.000 χ^2/NDF: 24943830.8/71

In: 0.000+/-0.000 χ^2/NDF:18970697.8/56

Out: 0.000+/-0.000 χ^2/NDF:17529357.4/62

All: 0.000+/-0.000 χ^2/NDF: 36677693.4/119

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: 1622.404+/-401.500 χ^2/NDF: 39.0/37

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

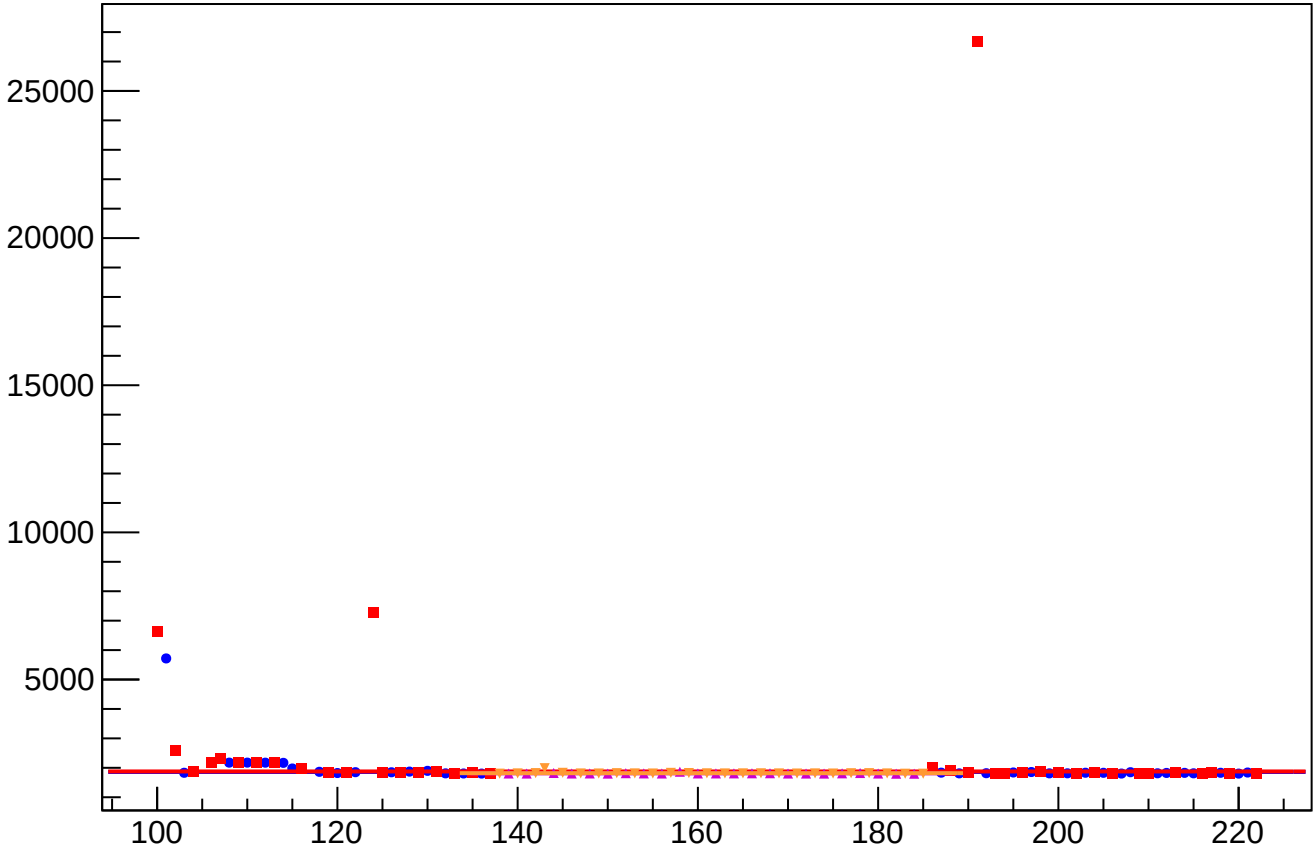
Right: 1795.020+/-282.772 χ^2/NDF: 71.6/71

In: 2016.251+/-290.052 χ^2/NDF:58.8/56

Out: 1767.335+/-287.854 χ^2/NDF:71.8/62

All: 1890.846+/-204.316 χ^2/NDF: 130.9/119

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1876.163+/-0.284 χ^2/NDF: 750431.3/37

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

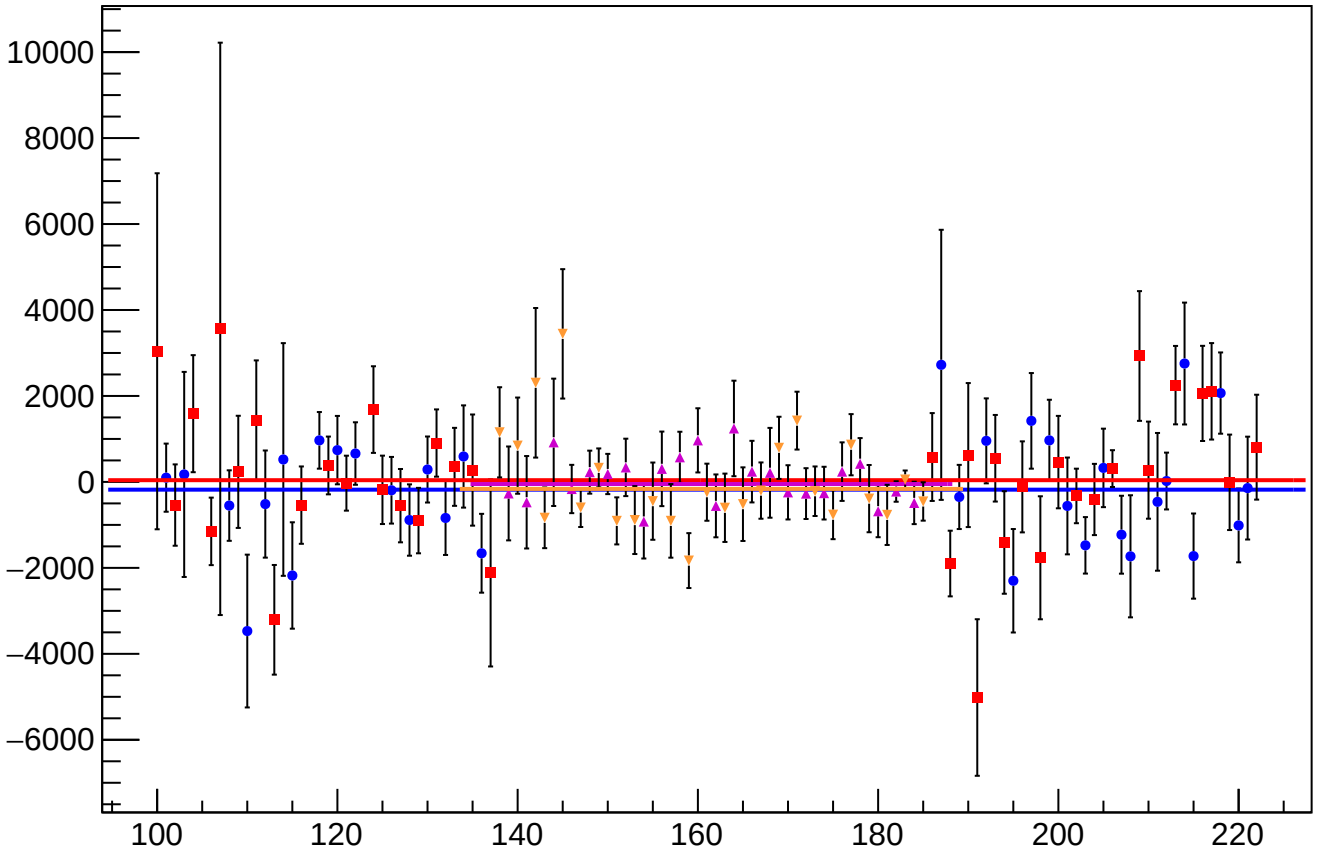
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1867.050+/-0.200 χ^2/NDF: 1425308.1/71

In: 1836.691+/-0.205 χ^2/NDF:687124.1/56

Out: 1847.665+/-0.204 χ^2/NDF:784119.1/62

All: 1842.220+/-0.144 χ^2/NDF: 1472685.5/11



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: 40.212+/-153.456 χ^2/NDF: 55.8/37

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

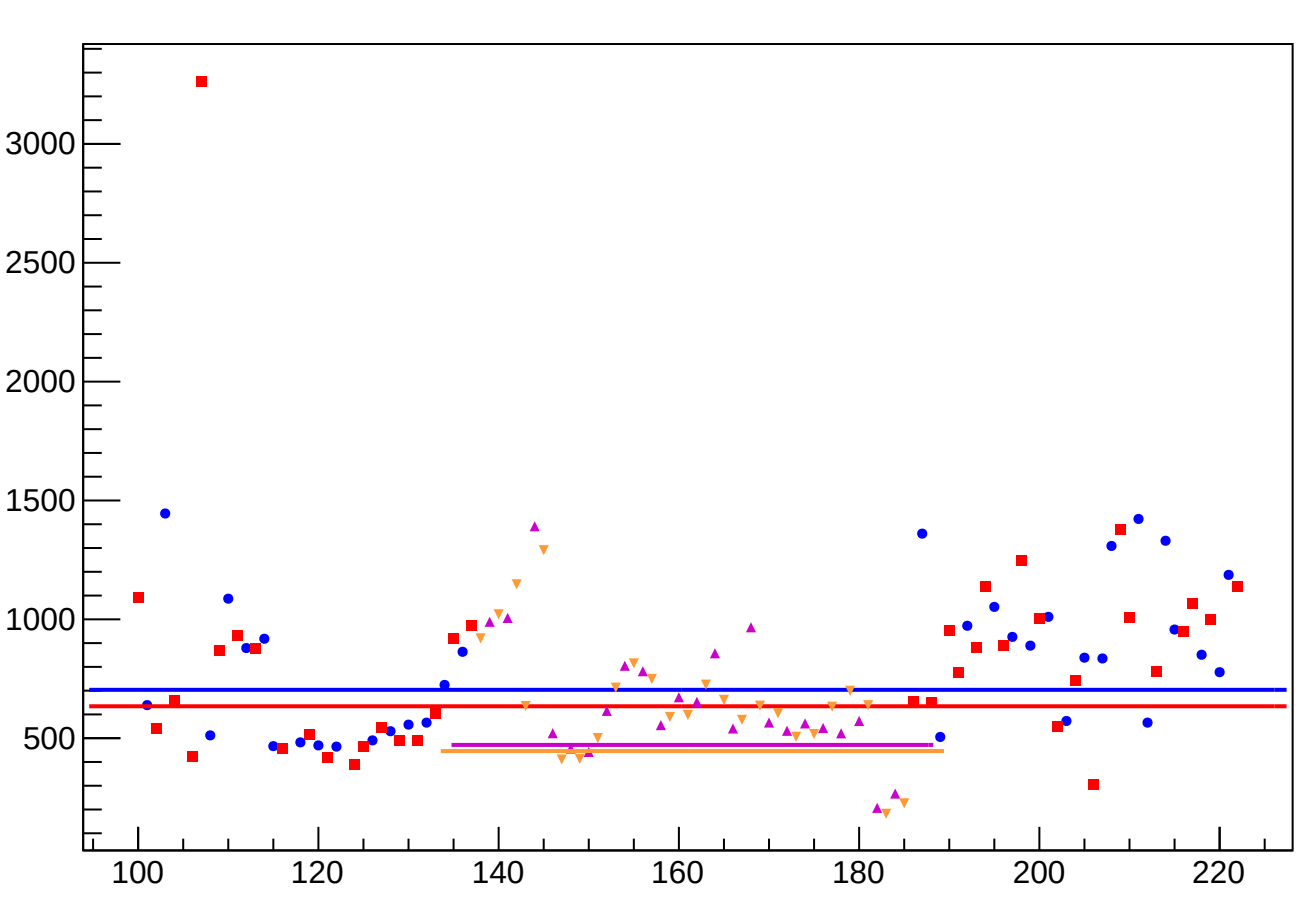
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -63.555+/-111.649 χ^2/NDF: 102.9/71

In: -96.753+/-97.969 χ^2/NDF:57.8/56

Out: -89.675+/-92.178 χ^2/NDF:93.8/62

All: -92.999+/-67.134 χ^2/NDF: 151.6/119



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: 634.319+/-0.109 χ^2/NDF: 5904319.6/37

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

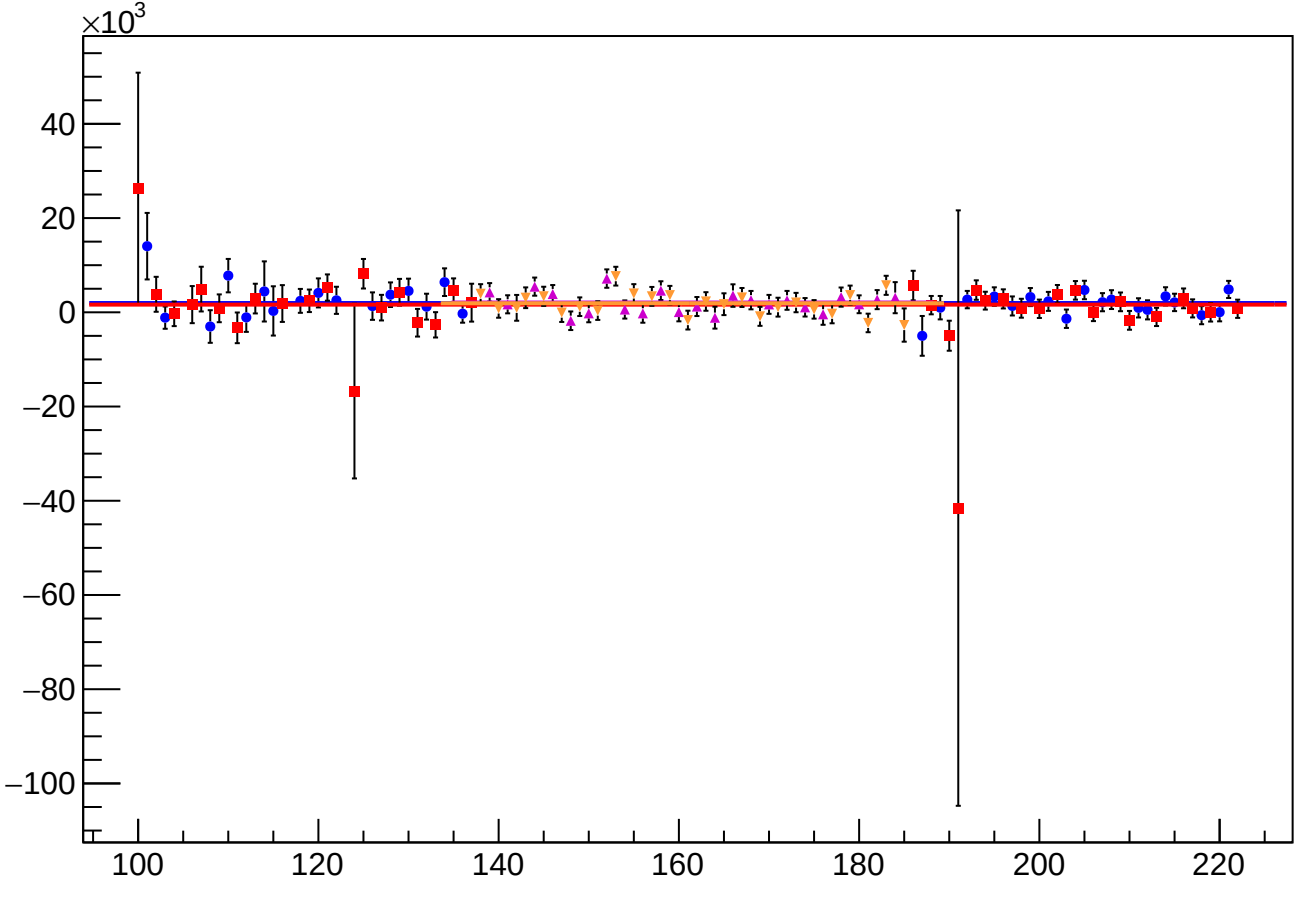
Right: 666.884+/-0.079 χ^2/NDF: 10450505.6/71

In: 555.735+/-0.069 χ^2/NDF:13354992.8/56

Out: 513.880+/-0.065 χ^2/NDF:15814179.7/62

All: 533.534+/-0.047 χ^2/NDF: 29362802.0/11

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1964.775+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1631.470+/-401.605 χ^2/NDF: 38.9/37

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

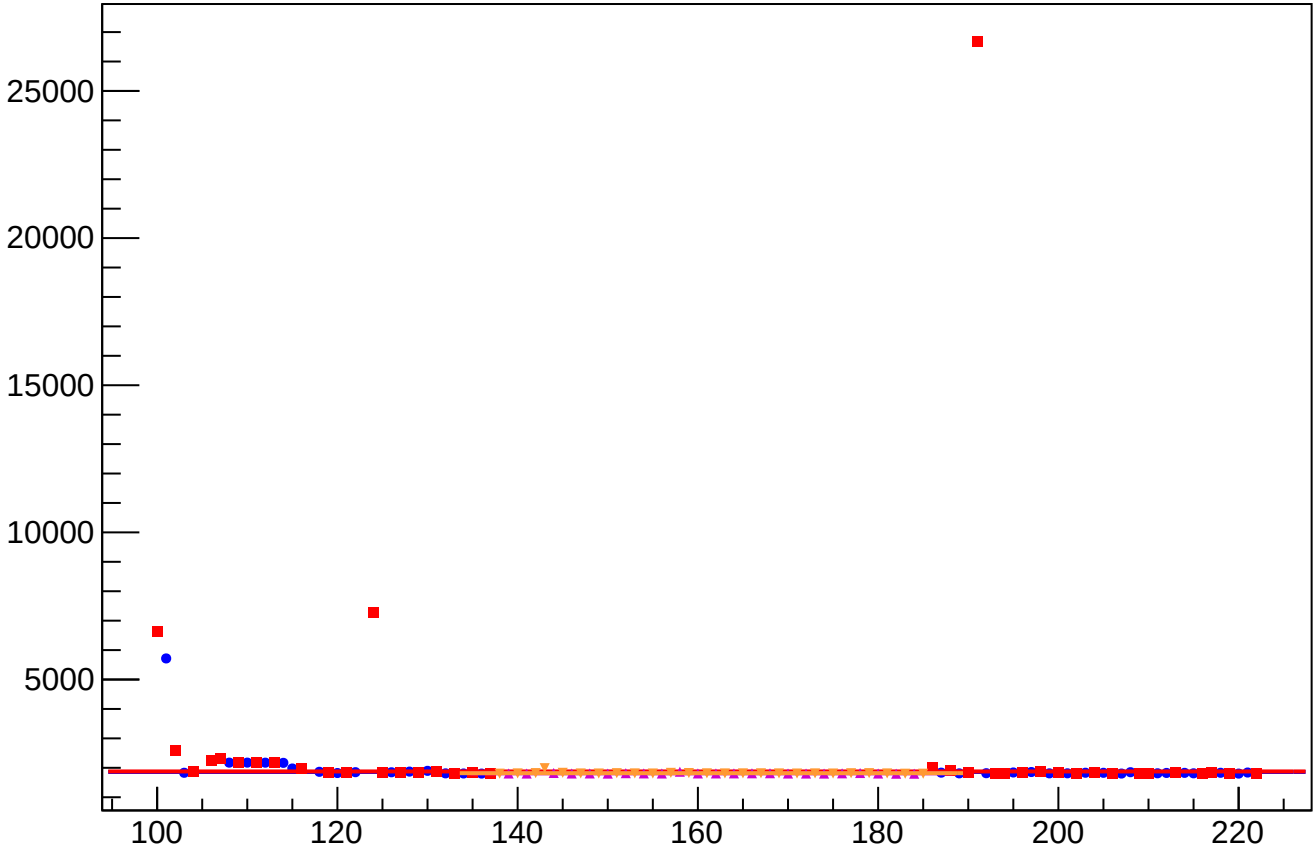
Right: 1799.492+/-282.808 χ^2/NDF: 71.5/71

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1772.015+/-287.893 χ^2/NDF:71.7/62

All: 1893.208+/-204.330 χ^2/NDF: 130.8/119

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1876.526+/-0.284 χ^2/NDF: 754261.0/37

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

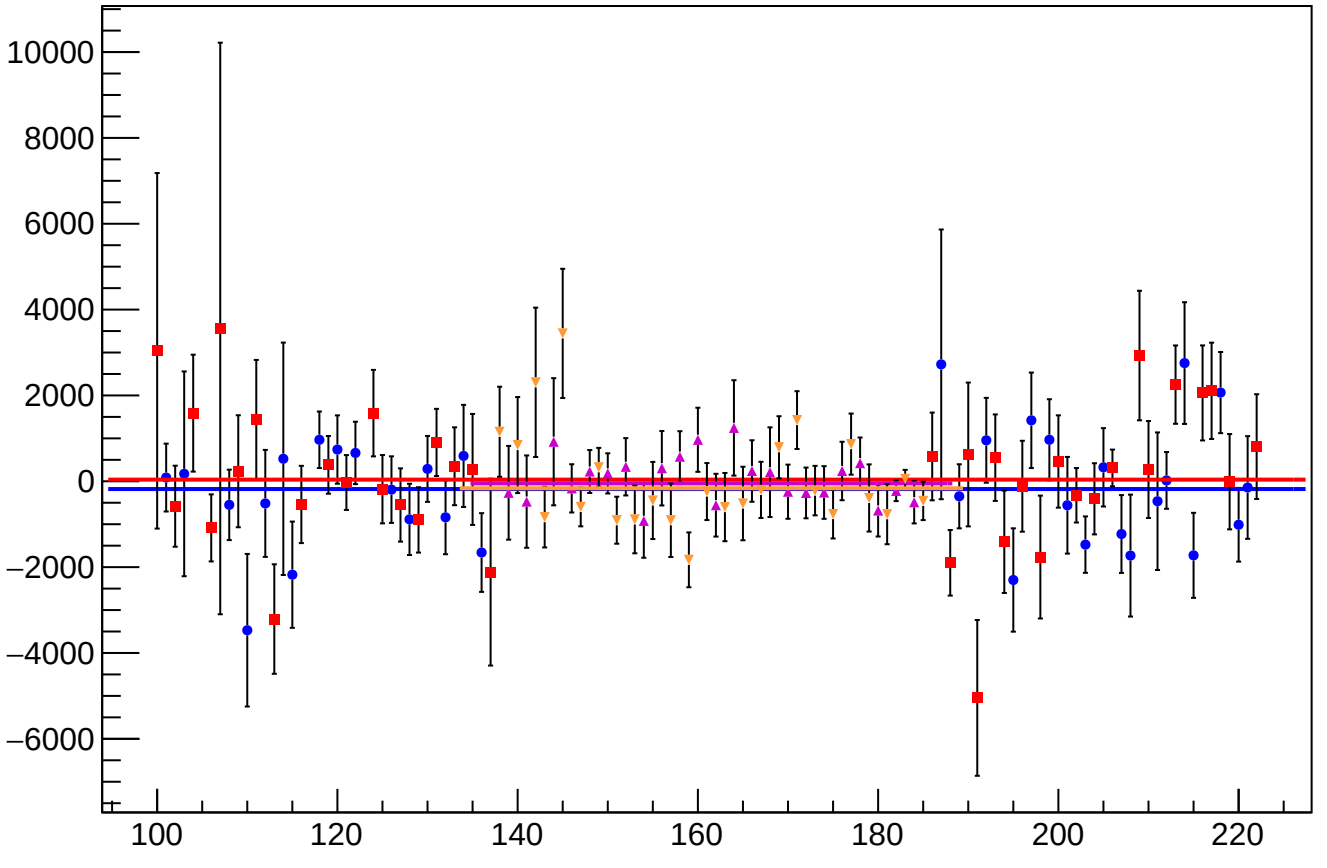
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1867.228+/-0.200 χ^2/NDF: 1429220.1/71

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1847.844+/-0.204 χ^2/NDF:788201.0/62

All: 1842.309+/-0.144 χ^2/NDF: 1476814.6/11



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: 38.479+/-153.405 χ^2/NDF: 55.5/37

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

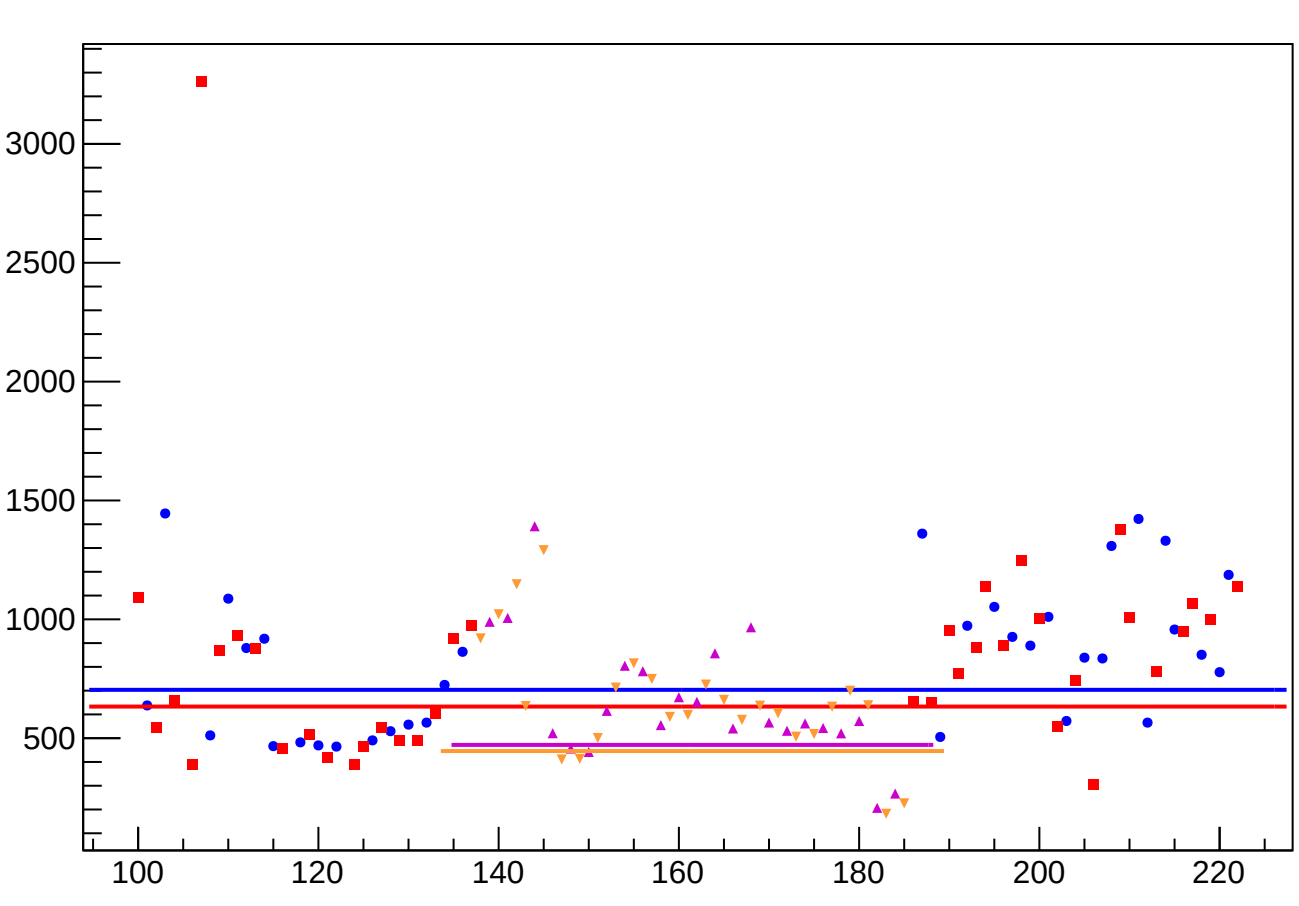
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -64.654+/-111.623 χ^2/NDF: 102.5/71

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -90.219+/-92.164 χ^2/NDF:93.5/62

All: -93.371+/-67.128 χ^2/NDF: 151.3/119



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: 633.000+/-0.108 χ^2/NDF: 5955137.3/37

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

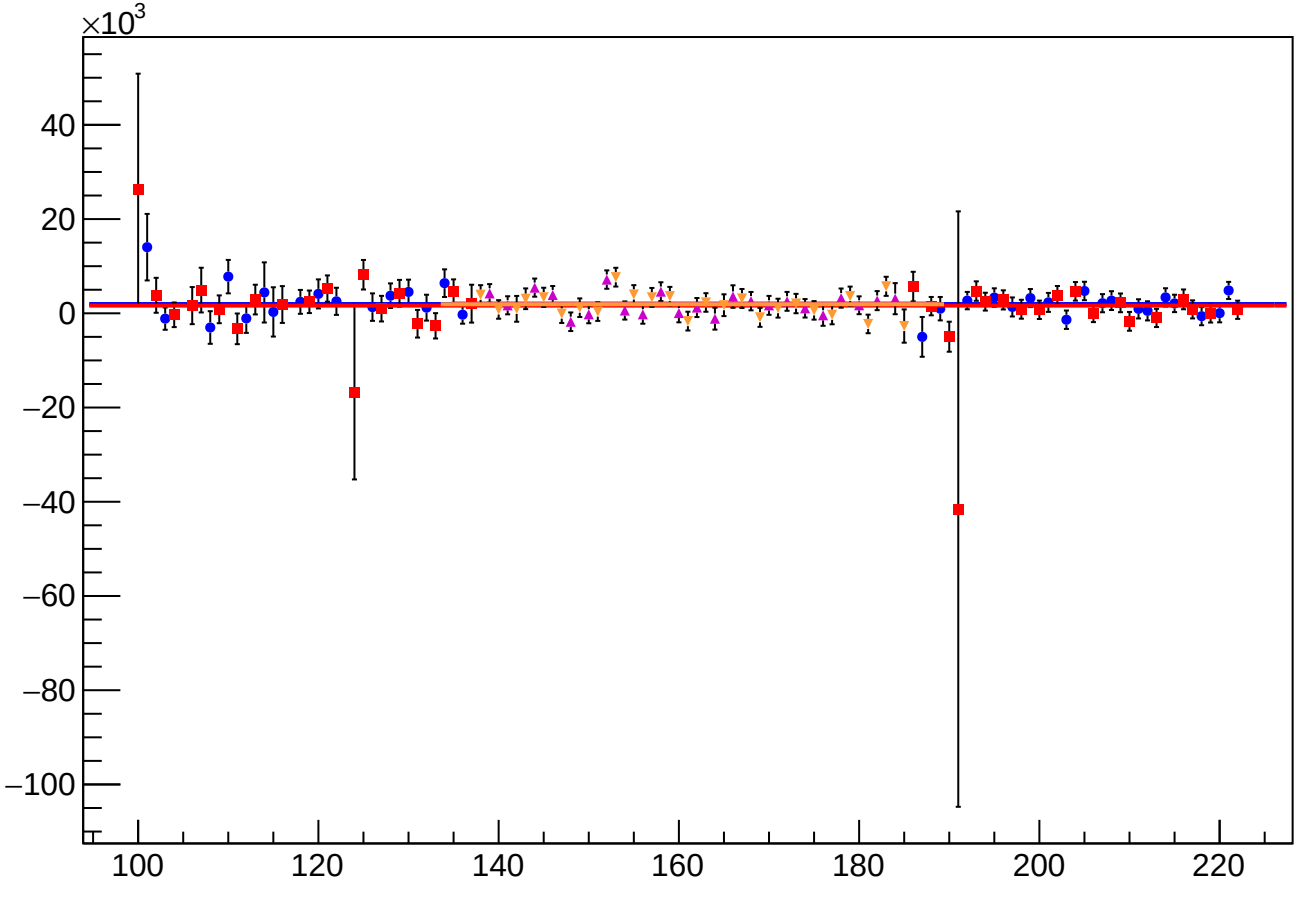
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 666.144+/-0.079 χ^2/NDF: 10509054.7/71

In: 555.730+/-0.069 χ^2/NDF:13353917.1/56

Out: 513.413+/-0.065 χ^2/NDF:15840913.7/62

All: 533.281+/-0.047 χ^2/NDF: 29392784.4/11



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: 1631.470+/-401.605 χ^2/NDF: 38.9/37

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

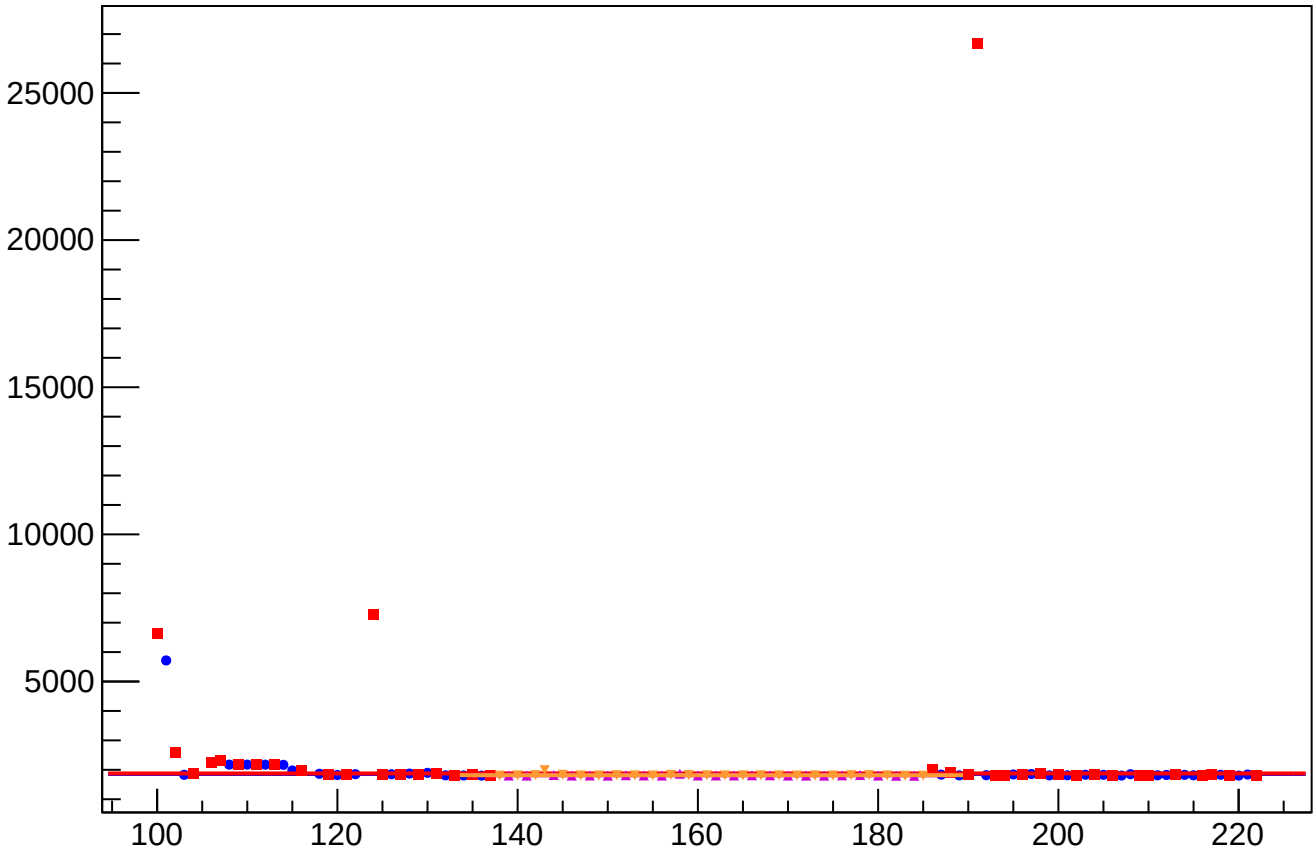
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1799.492+/-282.808 χ^2/NDF: 71.5/71

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1772.015+/-287.893 χ^2/NDF:71.7/62

All: 1893.208+/-204.330 χ^2/NDF: 130.8/119



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: 1876.526+/-0.284 χ^2/NDF: 754261.0/37

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

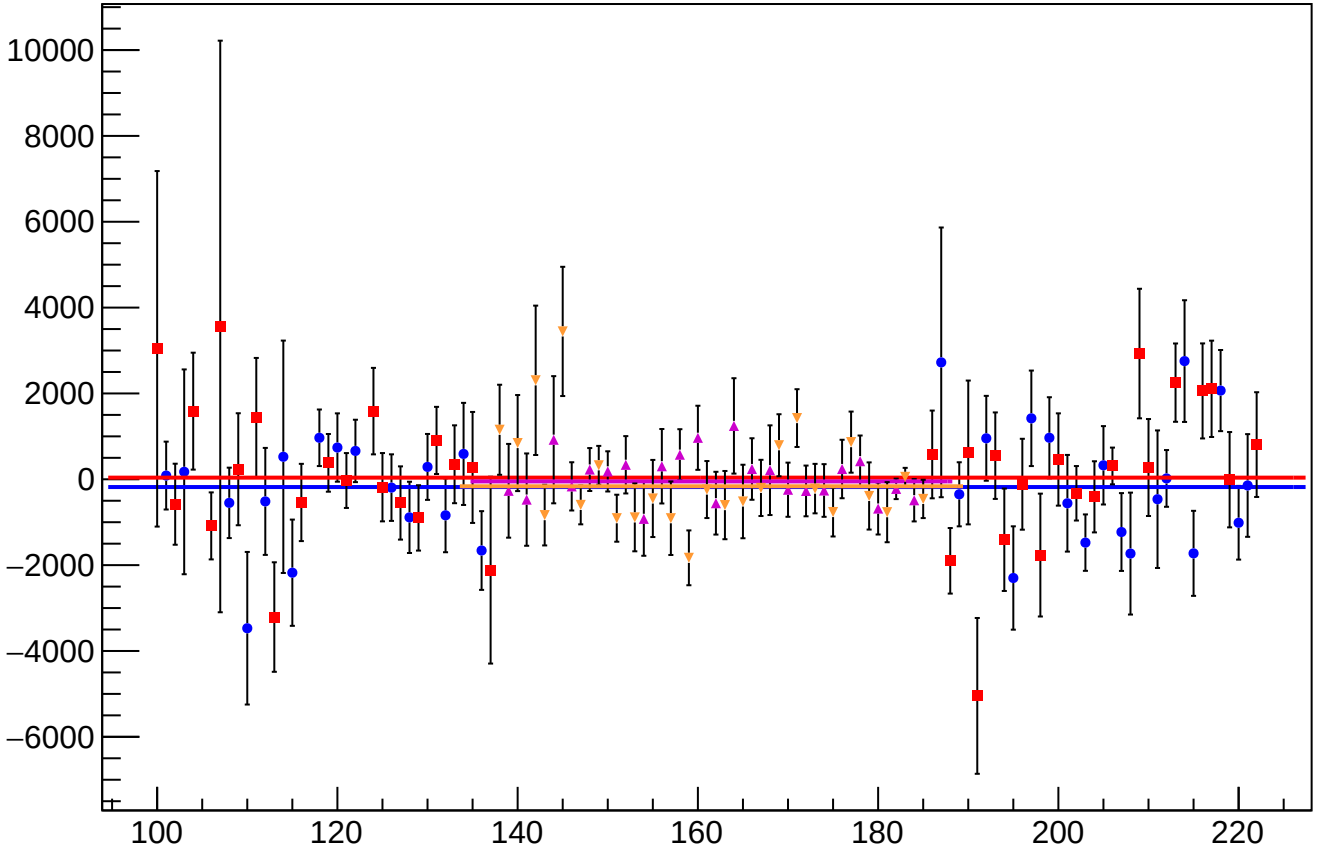
Right: 1867.228+/-0.200 χ^2/NDF: 1429220.1/71

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1847.844+/-0.204 χ^2/NDF:788201.0/62

All: 1842.309+/-0.144 χ^2/NDF: 1476814.6/11

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 38.479+/-153.405 χ^2/NDF: 55.5/37

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

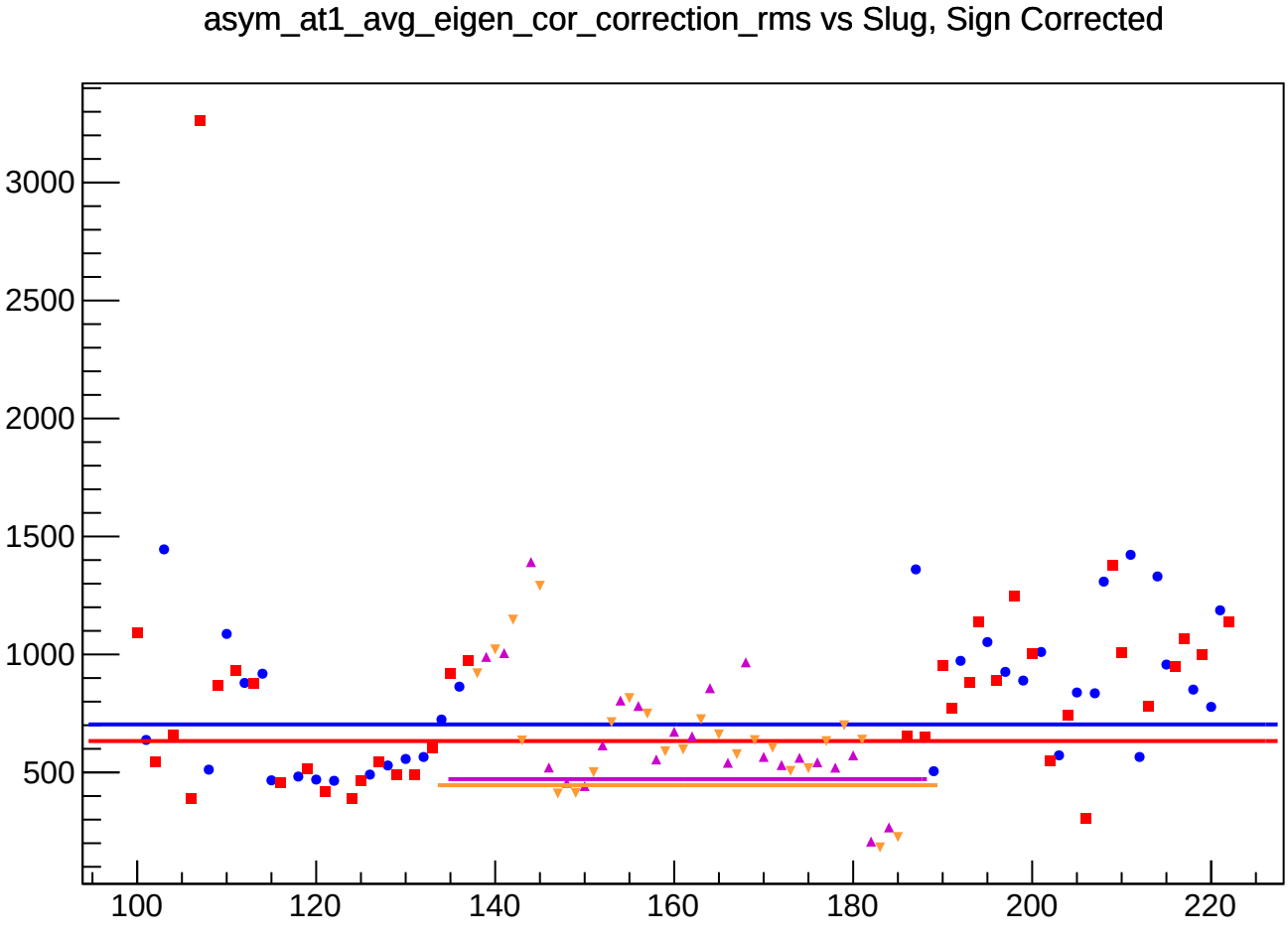
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

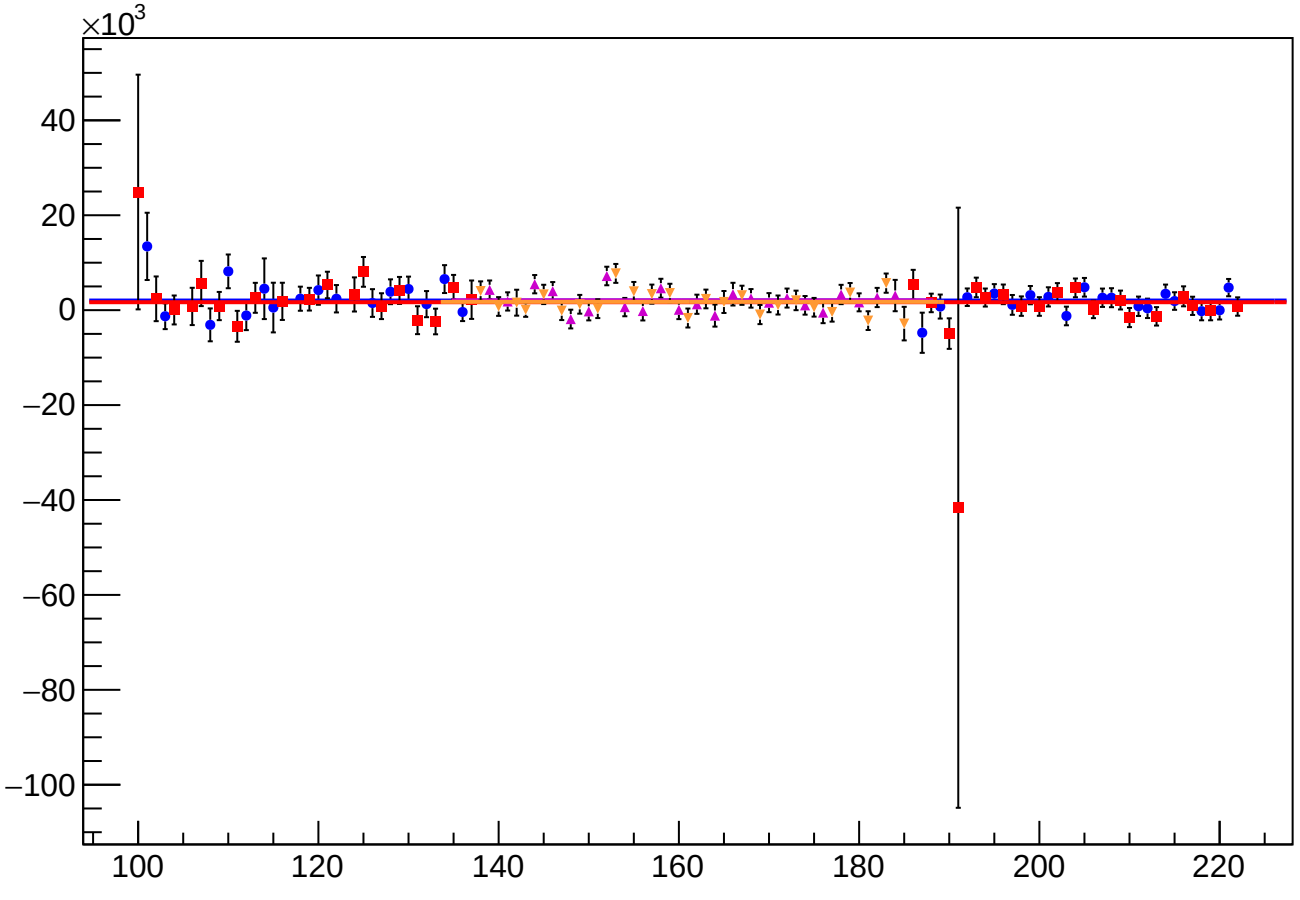
Right: -64.654+/-111.623 χ^2/NDF: 102.5/71

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -90.219+/-92.164 χ^2/NDF:93.5/62

All: -93.371+/-67.128 χ^2/NDF: 151.3/119


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 703.439+/-0.115 χ²/NDF: 4355505.3/33
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 633.000+/-0.108 χ²/NDF: 5955137.3/37
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 666.144+/-0.079 χ²/NDF: 10509054.7/71
In: 555.730+/-0.069 χ²/NDF:13353917.1/56
Out: 513.413+/-0.065 χ²/NDF:15840913.7/62
All: 533.281+/-0.047 χ²/NDF: 29392784.4/11



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: 1676.230+/-403.511 χ^2/NDF: 37.3/37

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

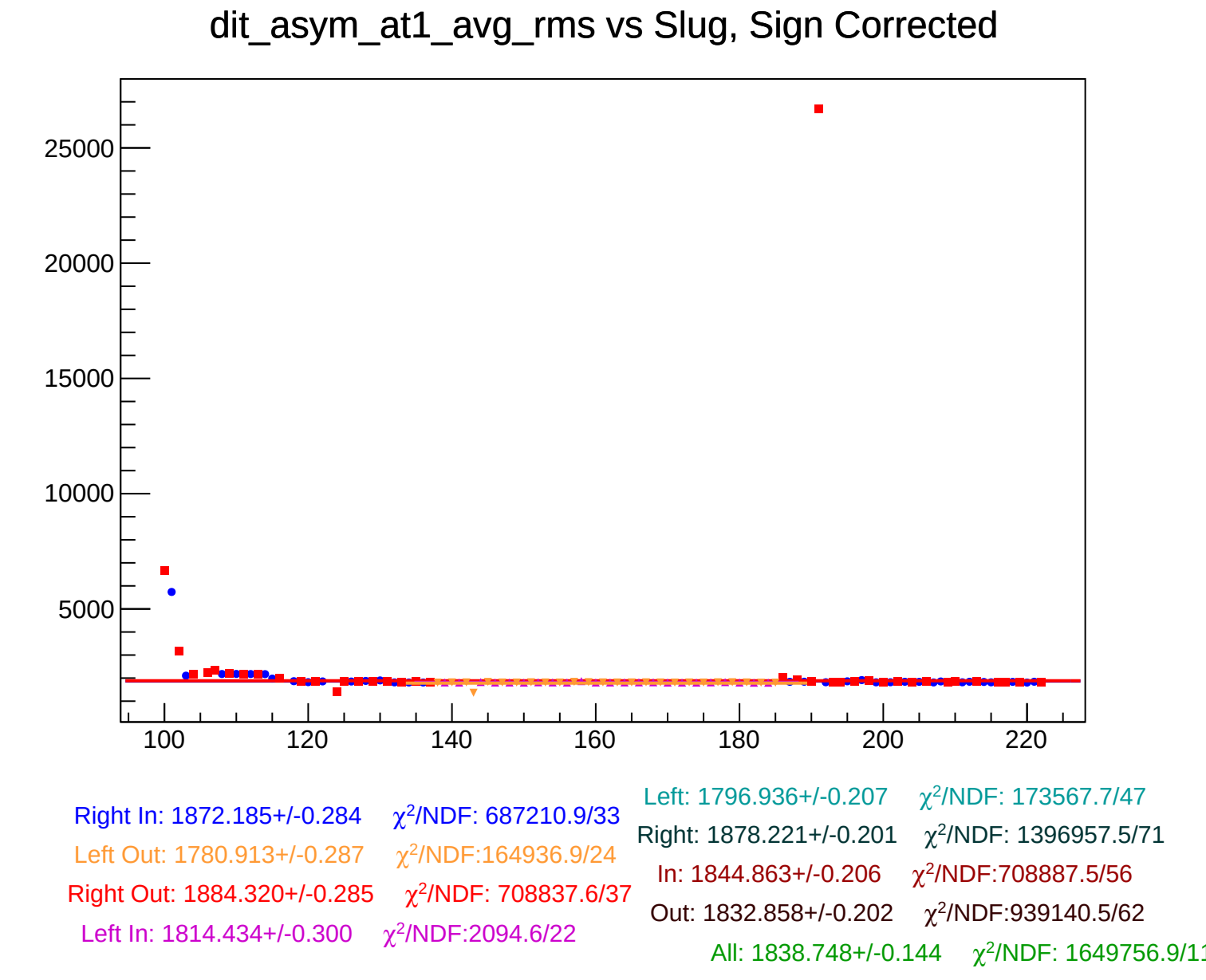
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

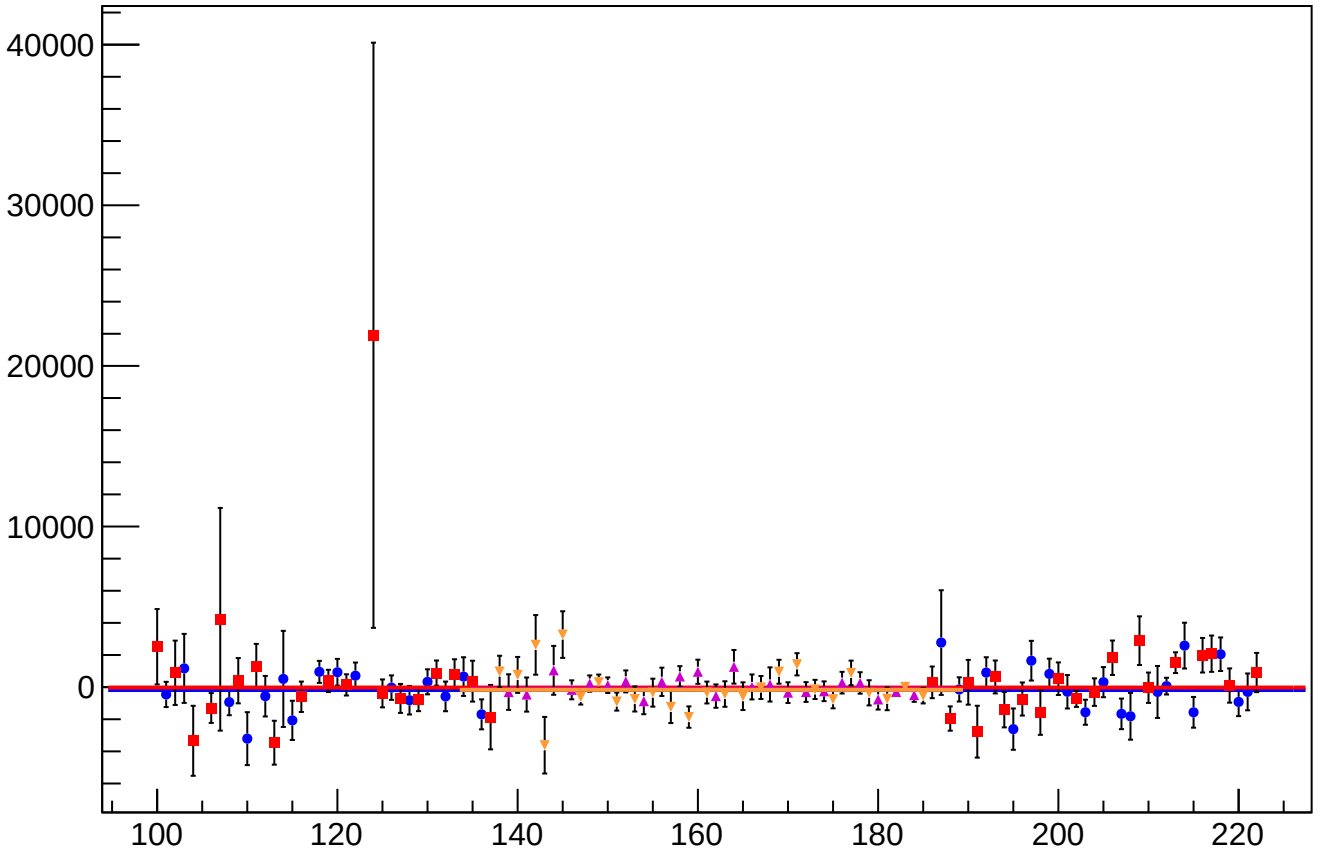
Right: 1852.438+/-284.593 χ^2/NDF: 69.5/71

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1715.676+/-285.991 χ^2/NDF:71.1/62

All: 1879.164+/-204.111 χ^2/NDF: 130.6/119


dit_asym_at1_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1872.185+/-0.284 χ²/NDF: 687210.9/33
Left Out: 1780.913+/-0.287 χ²/NDF:164936.9/24
Right Out: 1884.320+/-0.285 χ²/NDF: 708837.6/37
Left In: 1814.434+/-0.300 χ²/NDF:2094.6/22
Left: 1796.936+/-0.207 χ²/NDF: 173567.7/47
Right: 1878.221+/-0.201 χ²/NDF: 1396957.5/71
In: 1844.863+/-0.206 χ²/NDF:708887.5/56
Out: 1832.858+/-0.202 χ²/NDF:939140.5/62
All: 1838.748+/-0.144 χ²/NDF: 1649756.9/11



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: -25.587+/-161.598 χ^2/NDF: 56.1/37

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

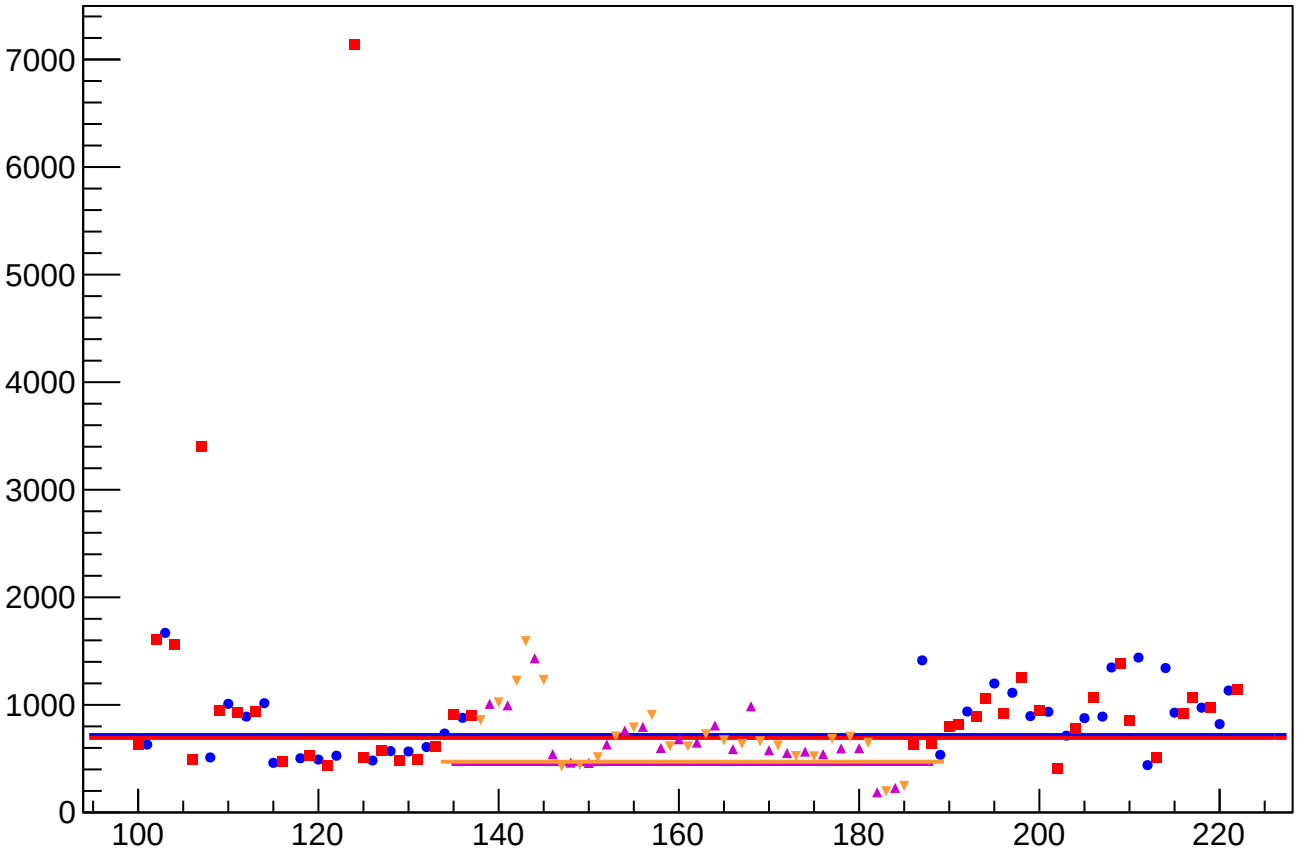
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -101.136+/-115.230 χ^2/NDF: 101.2/71

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -116.440+/-97.179 χ^2/NDF:94.9/62

All: -127.635+/-68.580 χ^2/NDF: 152.0/119



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: 692.847+/-0.114 χ^2/NDF: 5782214.2/37

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

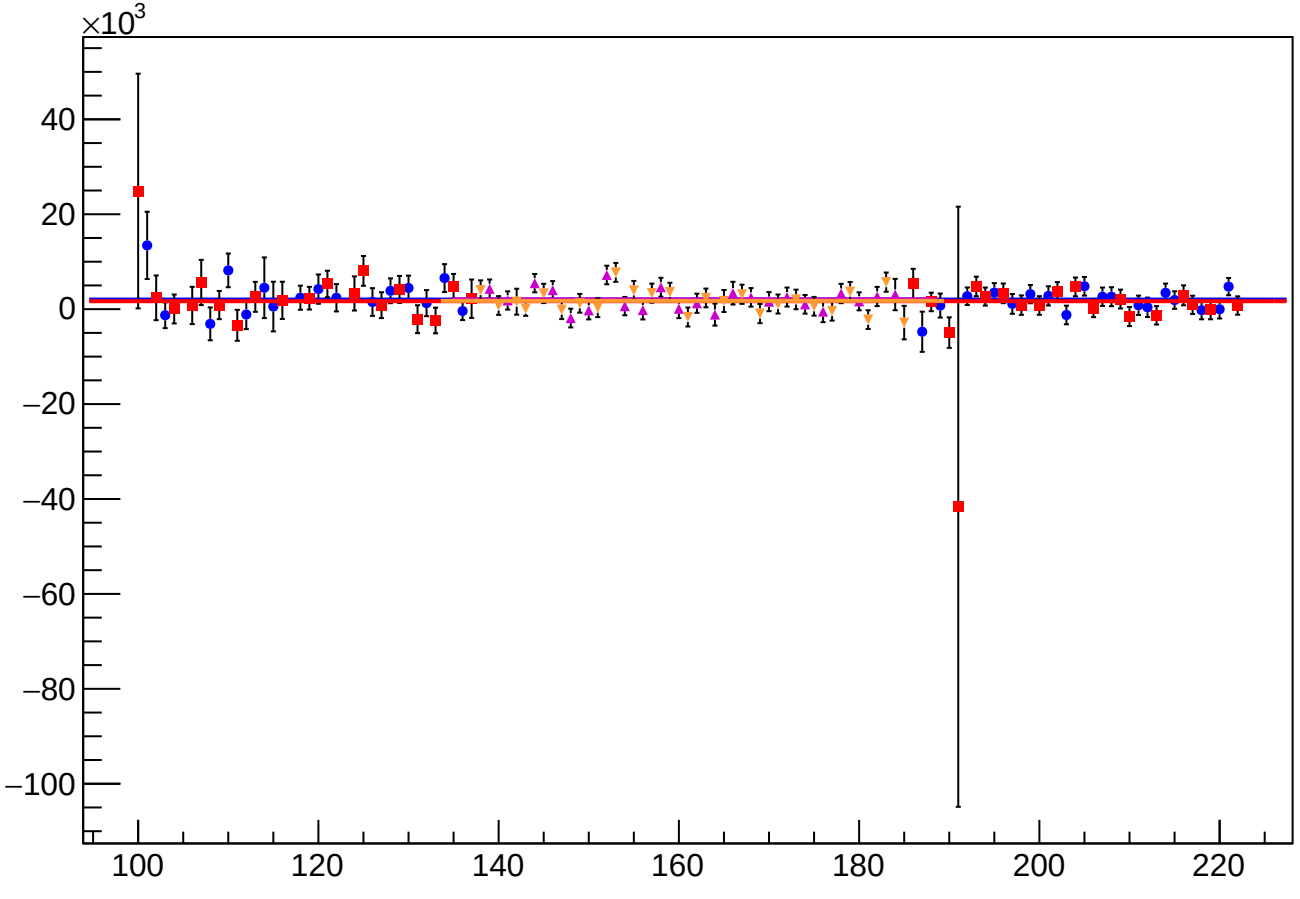
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 705.960+/-0.081 χ^2/NDF: 10734565.7/71

In: 543.912+/-0.068 χ^2/NDF:16349828.8/56

Out: 551.723+/-0.069 χ^2/NDF:16284276.0/62

All: 547.802+/-0.048 χ^2/NDF: 32640591.4/11



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: 1676.228+/-403.511 χ^2/NDF: 37.3/37

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

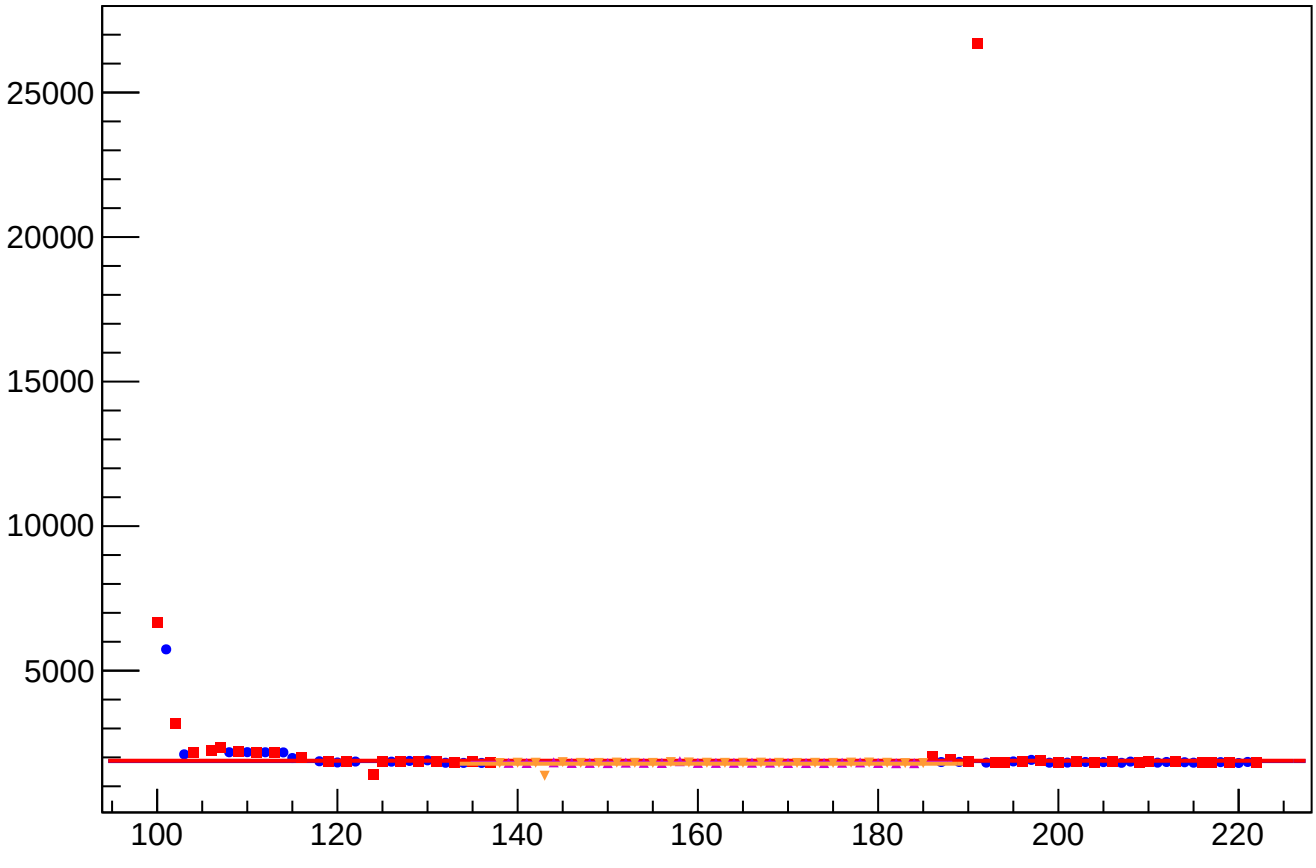
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1852.437+/-284.593 χ^2/NDF: 69.5/71

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1715.676+/-285.991 χ^2/NDF:71.1/62

All: 1879.164+/-204.111 χ^2/NDF: 130.6/119



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: 1884.320+/-0.285 χ^2/NDF: 708836.1/37

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

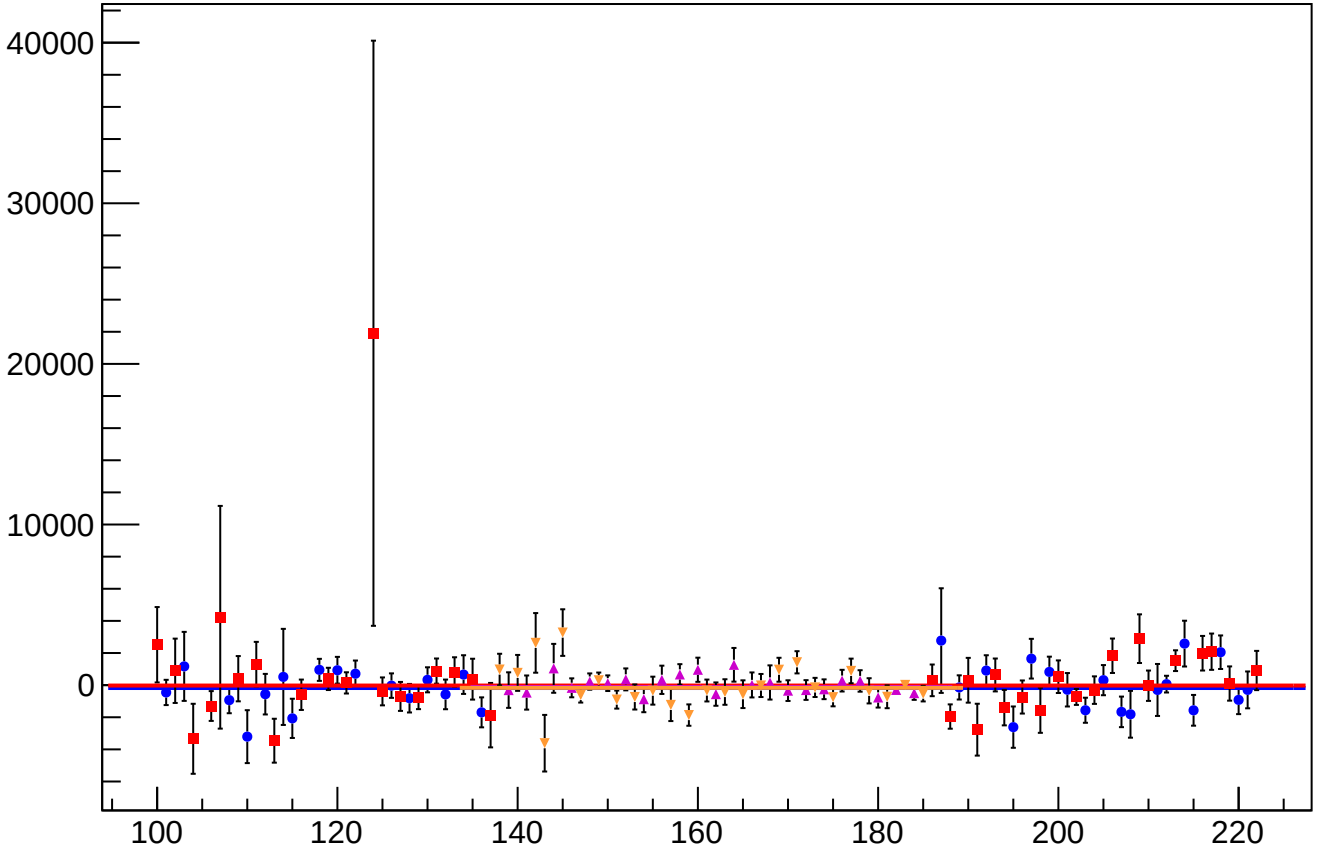
Right: 1878.221+/-0.201 χ^2/NDF: 1396955.6/71

In: 1844.863+/-0.206 χ^2/NDF:708887.1/56

Out: 1832.858+/-0.202 χ^2/NDF:939138.9/62

All: 1838.748+/-0.144 χ^2/NDF: 1649754.9/11

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: -25.588+/-161.598 χ^2/NDF: 56.1/37

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

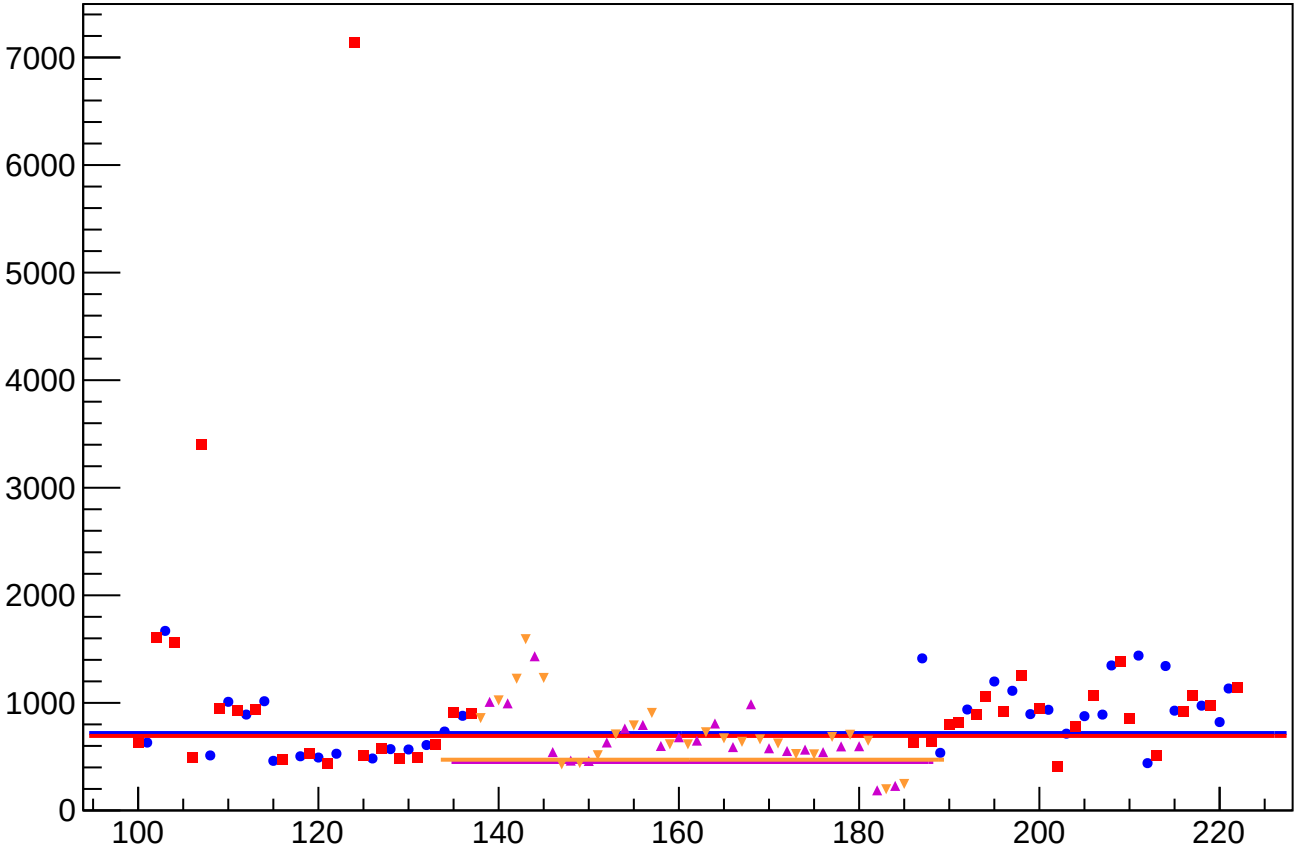
Right: -101.136+/-115.230 χ^2/NDF: 101.2/71

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -116.441+/-97.179 χ^2/NDF:94.9/62

All: -127.635+/-68.580 χ^2/NDF: 152.0/119

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: 692.847+/-0.114 χ^2/NDF: 5782237.7/37

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

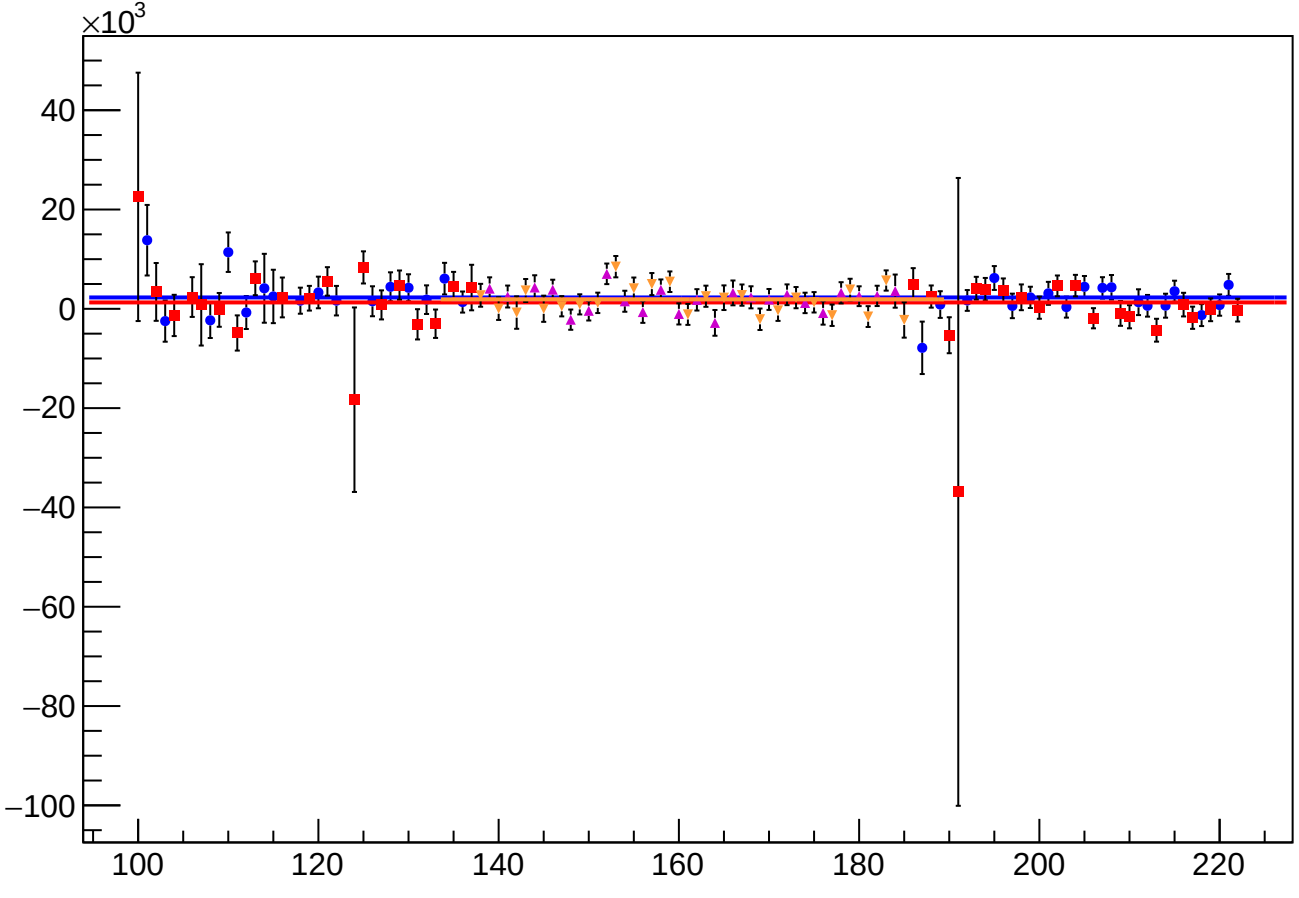
Right: 705.960+/-0.081 χ^2/NDF: 10734629.1/71

In: 543.913+/-0.068 χ^2/NDF:16349818.1/56

Out: 551.724+/-0.069 χ^2/NDF:16284282.9/62

All: 547.803+/-0.048 χ^2/NDF: 32640587.4/11

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: 1287.092+/-459.112 χ^2/NDF: 50.3/37

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

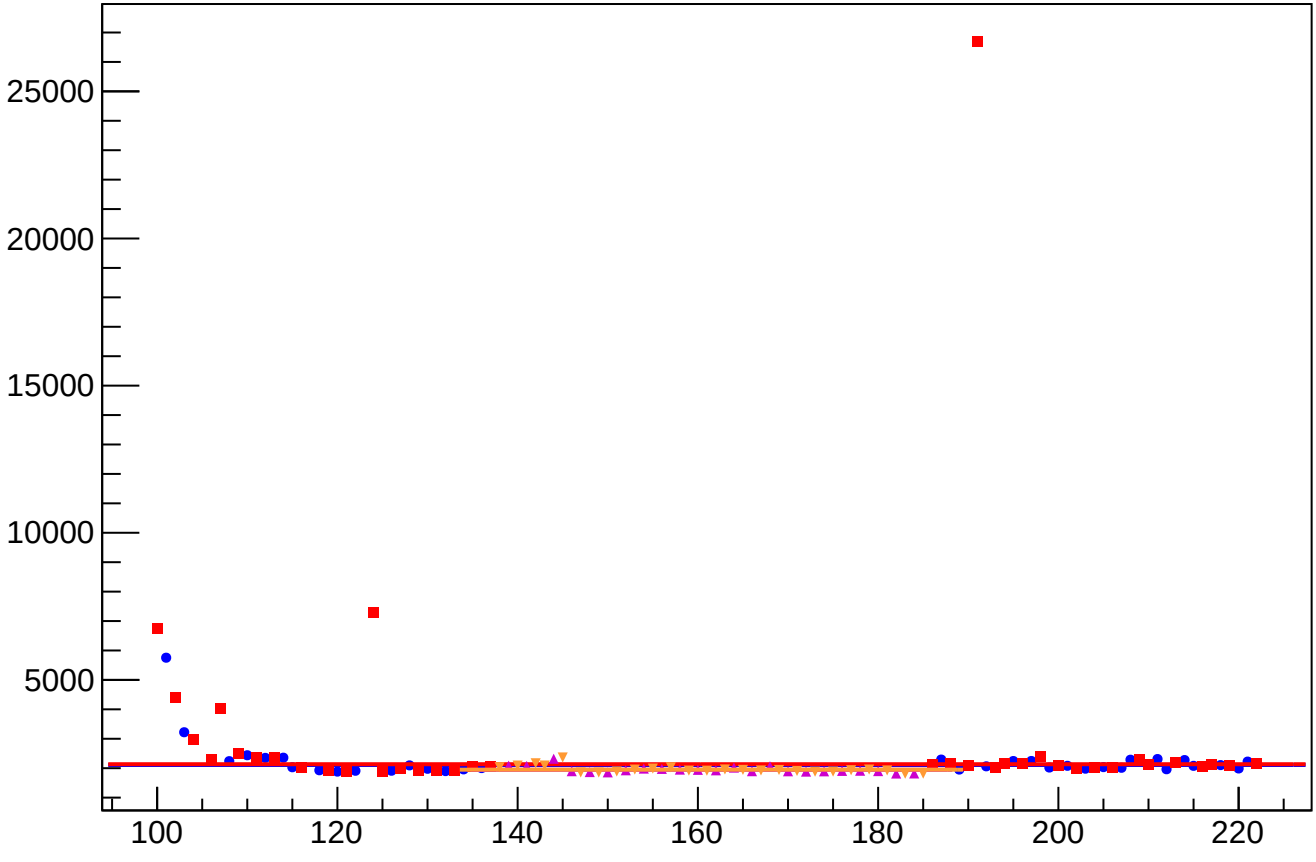
Right: 1795.042+/-322.639 χ^2/NDF: 84.0/71

In: 2109.164+/-321.160 χ^2/NDF:56.4/56

Out: 1607.940+/-318.987 χ^2/NDF:87.5/62

All: 1856.850+/-226.322 χ^2/NDF: 145.1/119

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: 2134.870+/-0.325 χ^2/NDF: 1190165.0/37

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

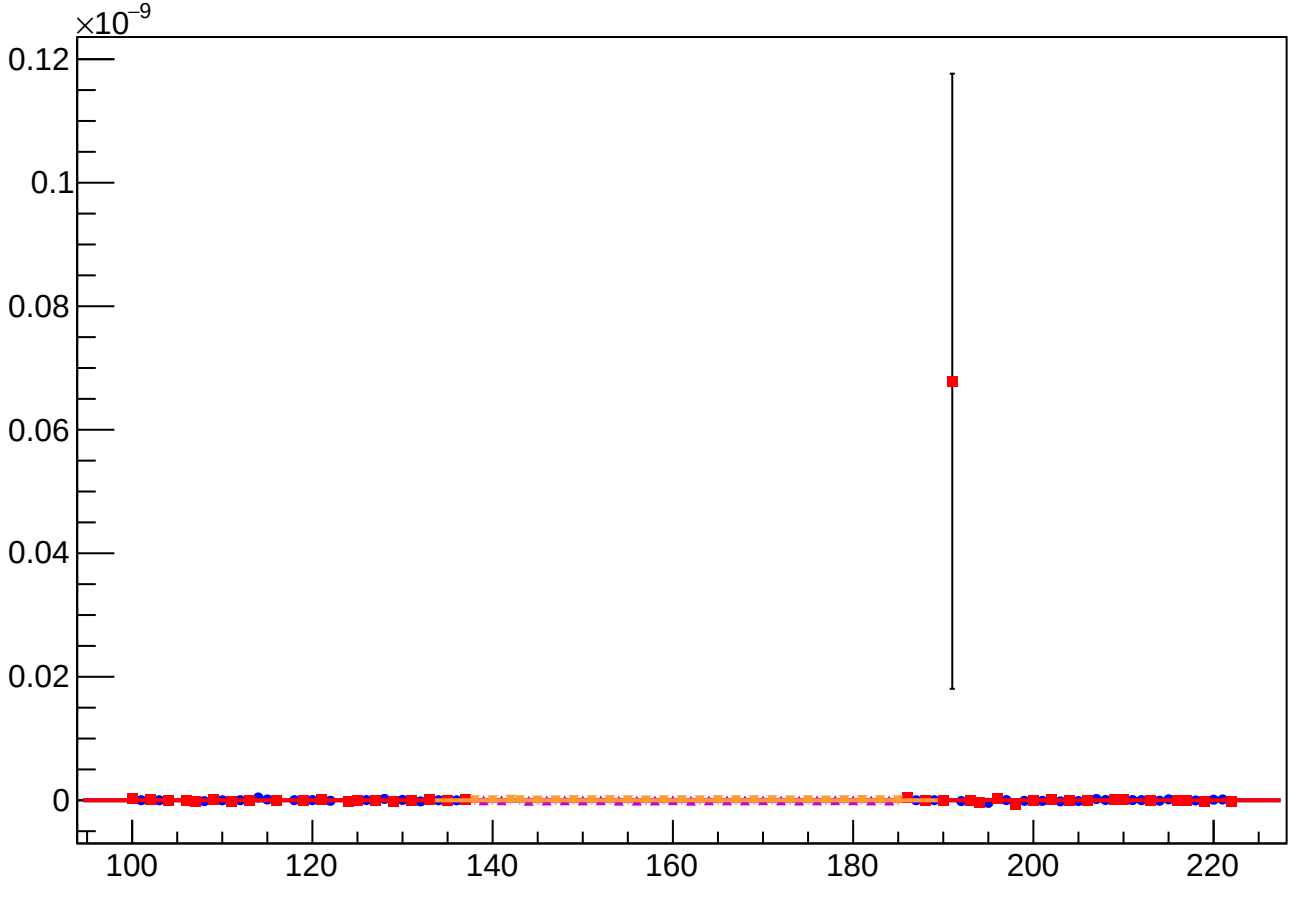
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2121.588+/-0.228 χ^2/NDF: 2045761.2/71

In: 2027.128+/-0.227 χ^2/NDF:1077822.9/56

Out: 2038.727+/-0.226 χ^2/NDF:1468248.2/62

All: 2032.967+/-0.160 χ^2/NDF: 2547384.3/11



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: 36.6/37

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

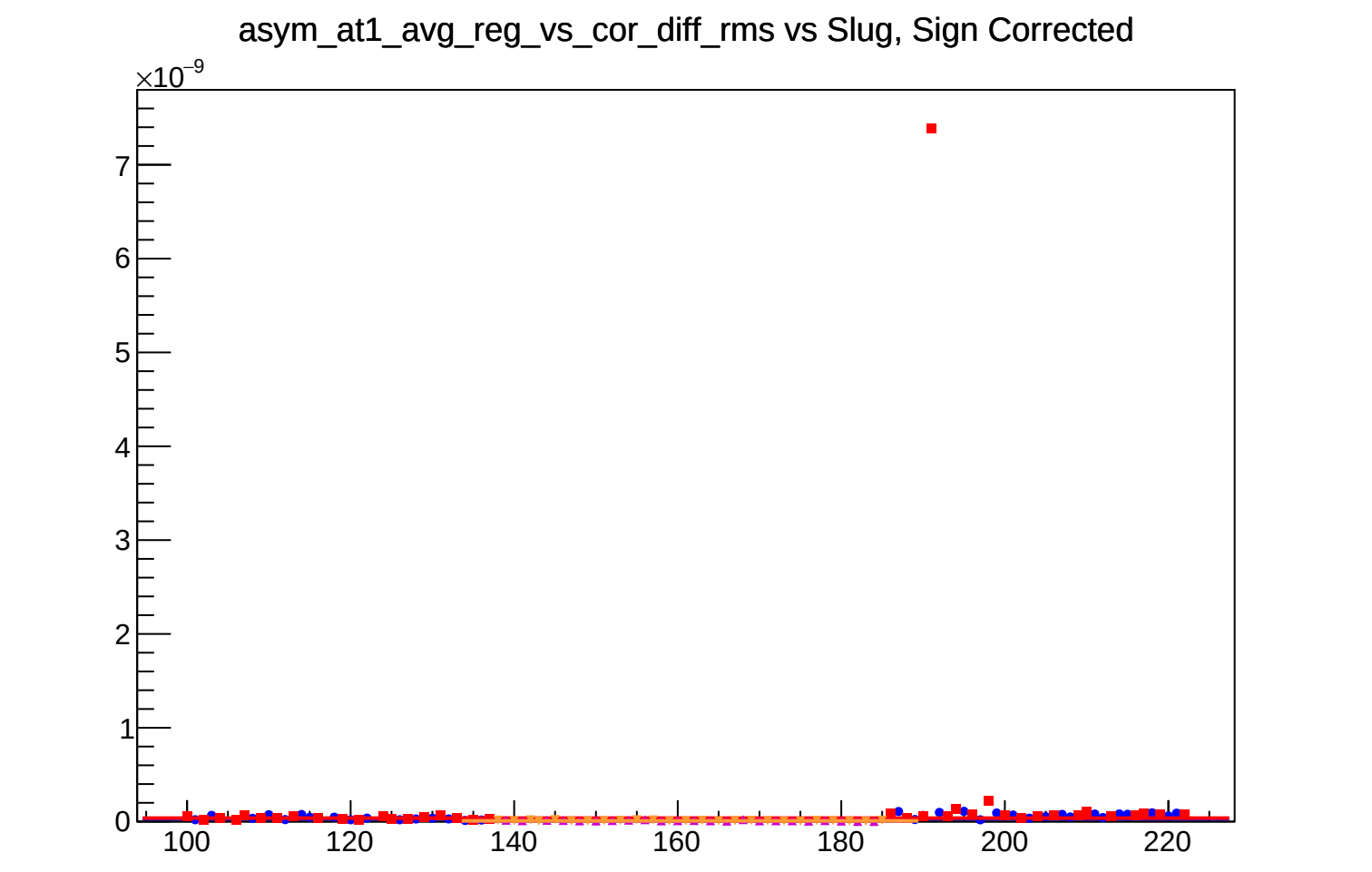
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 73.8/71

In: -0.000+/-0.000 χ^2/NDF:69.2/56

Out: 0.000+/-0.000 χ^2/NDF:65.6/62

All: -0.000+/-0.000 χ^2/NDF: 135.3/119



Right In: 0.000+/-0.000 χ^2/NDF: 5551375.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4490045.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

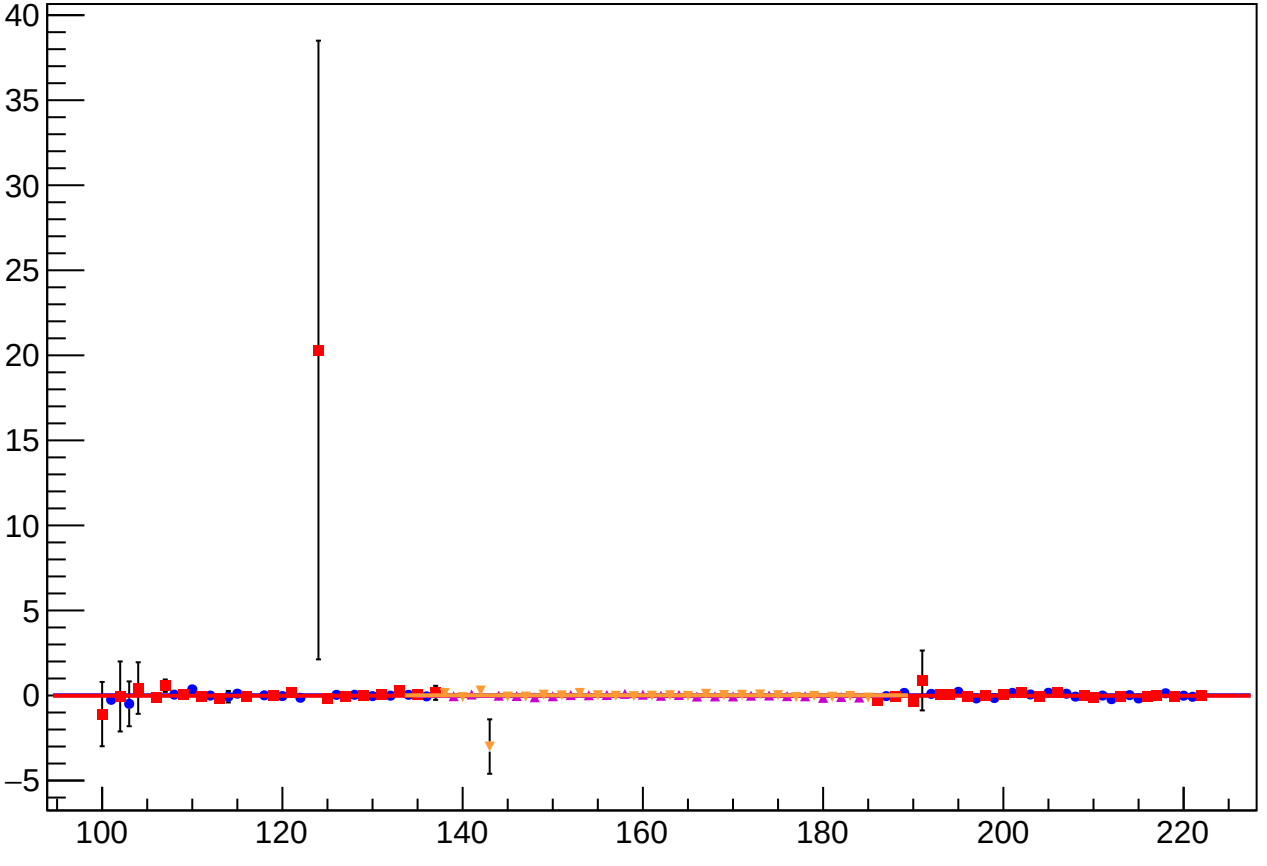
Right: 0.000+/-0.000 χ^2/NDF: 10325408.4/71

In: 0.000+/-0.000 χ^2/NDF:13953552.5/56

Out: 0.000+/-0.000 χ^2/NDF:13928180.5/62

All: 0.000+/-0.000 χ^2/NDF: 27890825.4/119

asym_at1_avg_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: 32.0/37

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

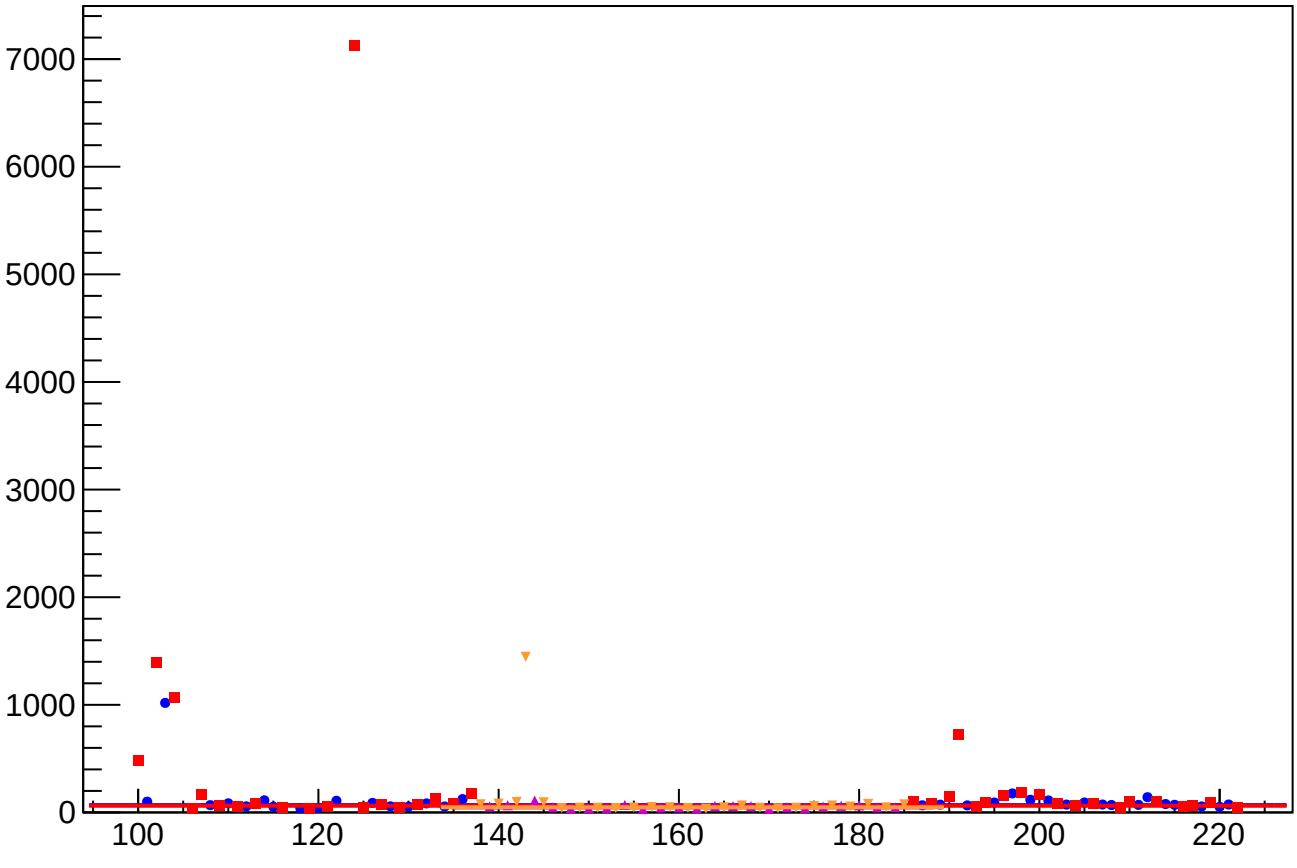
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.012 χ^2/NDF: 68.9/71

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.1/62

All: -0.003+/-0.007 χ^2/NDF: 121.7/119



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 62.677+/-0.012 χ^2/NDF: 7051499.6/37

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

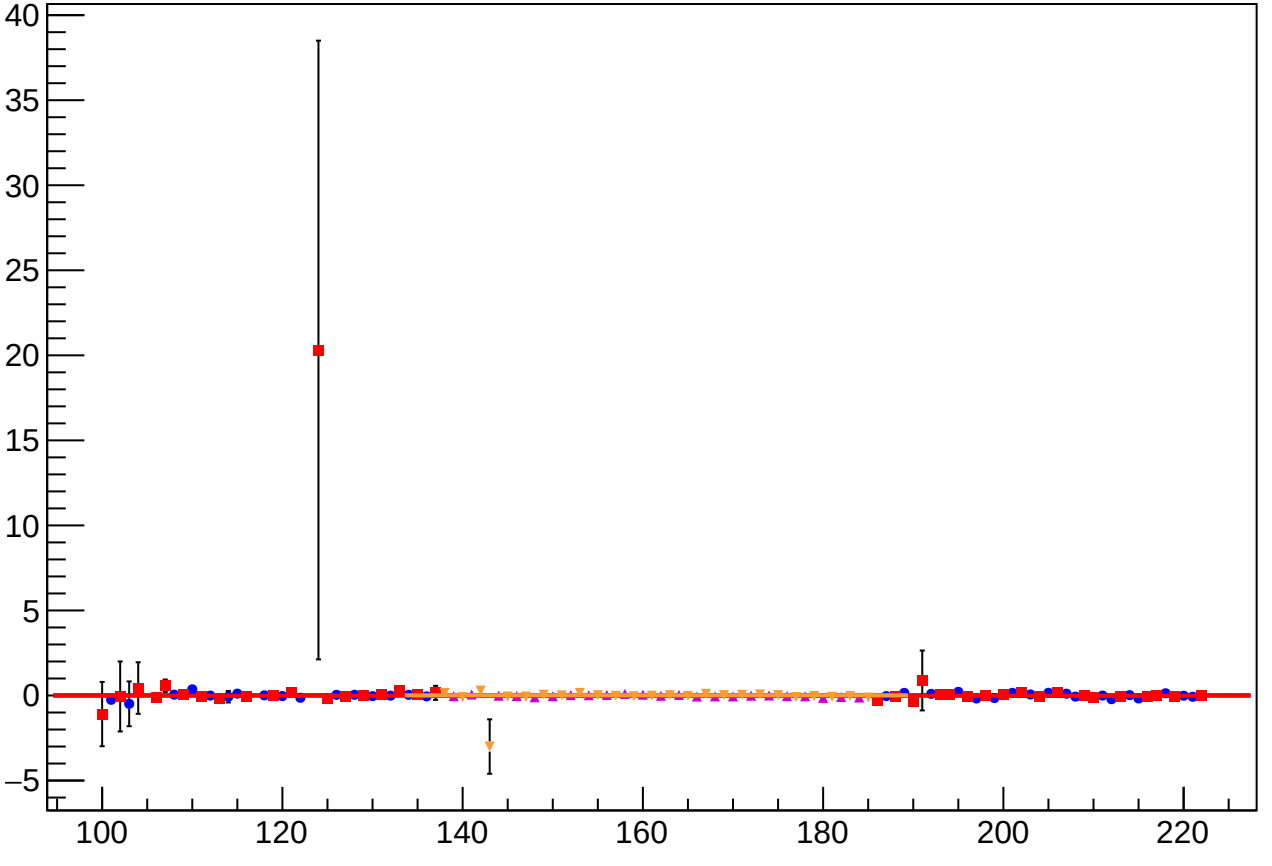
Right: 65.231+/-0.008 χ^2/NDF: 11597171.4/71

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.221+/-0.007 χ^2/NDF:11563549.6/62

All: 53.601+/-0.005 χ^2/NDF: 19993824.7/119

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: 32.0/37

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

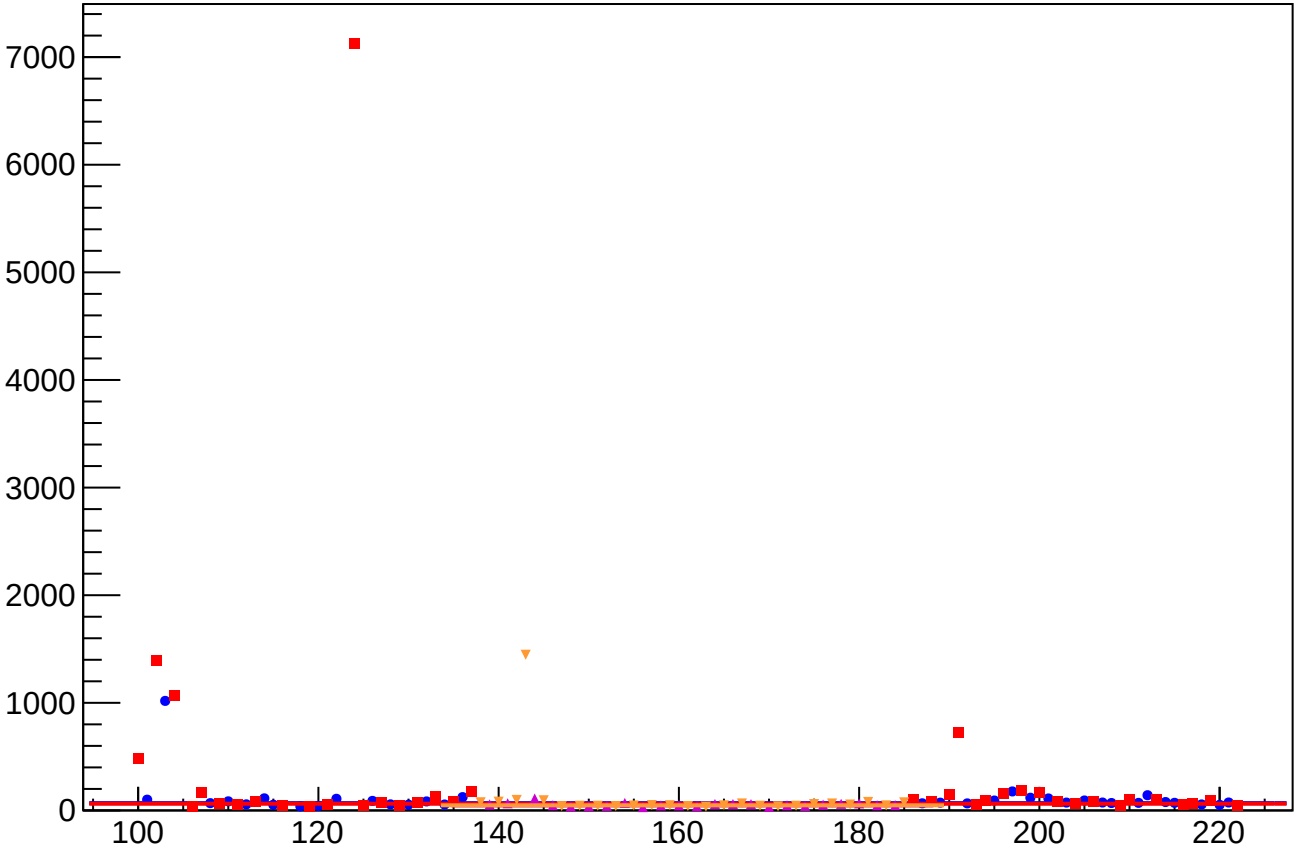
Right: -0.001+/-0.012 χ^2/NDF: 68.9/71

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.1/62

All: -0.003+/-0.007 χ^2/NDF: 121.7/119

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 62.677+/-0.012 χ^2/NDF: 7051499.6/37

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

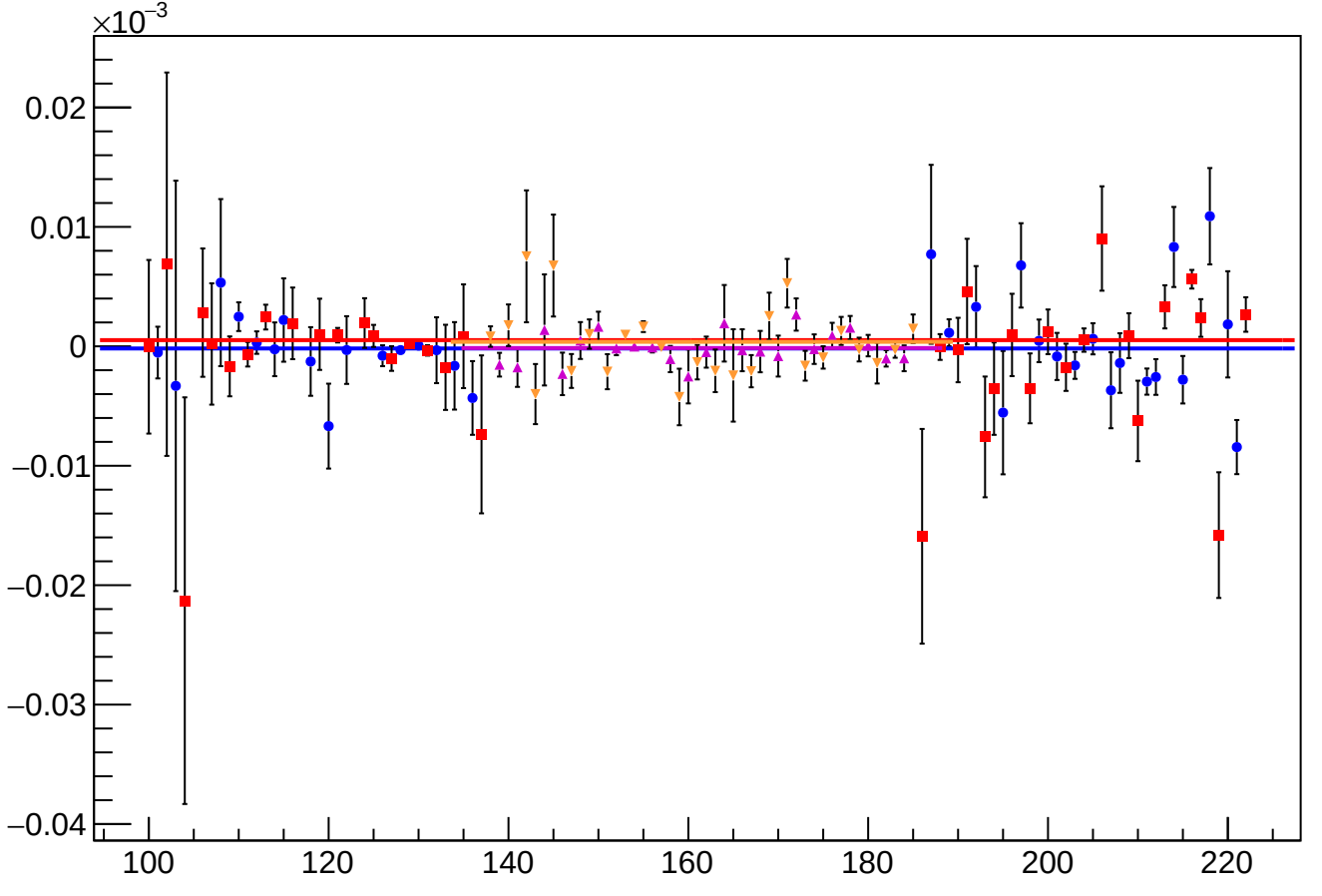
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.231+/-0.008 χ^2/NDF: 11597171.4/71

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.221+/-0.007 χ^2/NDF:11563549.6/62

All: 53.601+/-0.005 χ^2/NDF: 19993824.7/119



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: 95.9/37

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

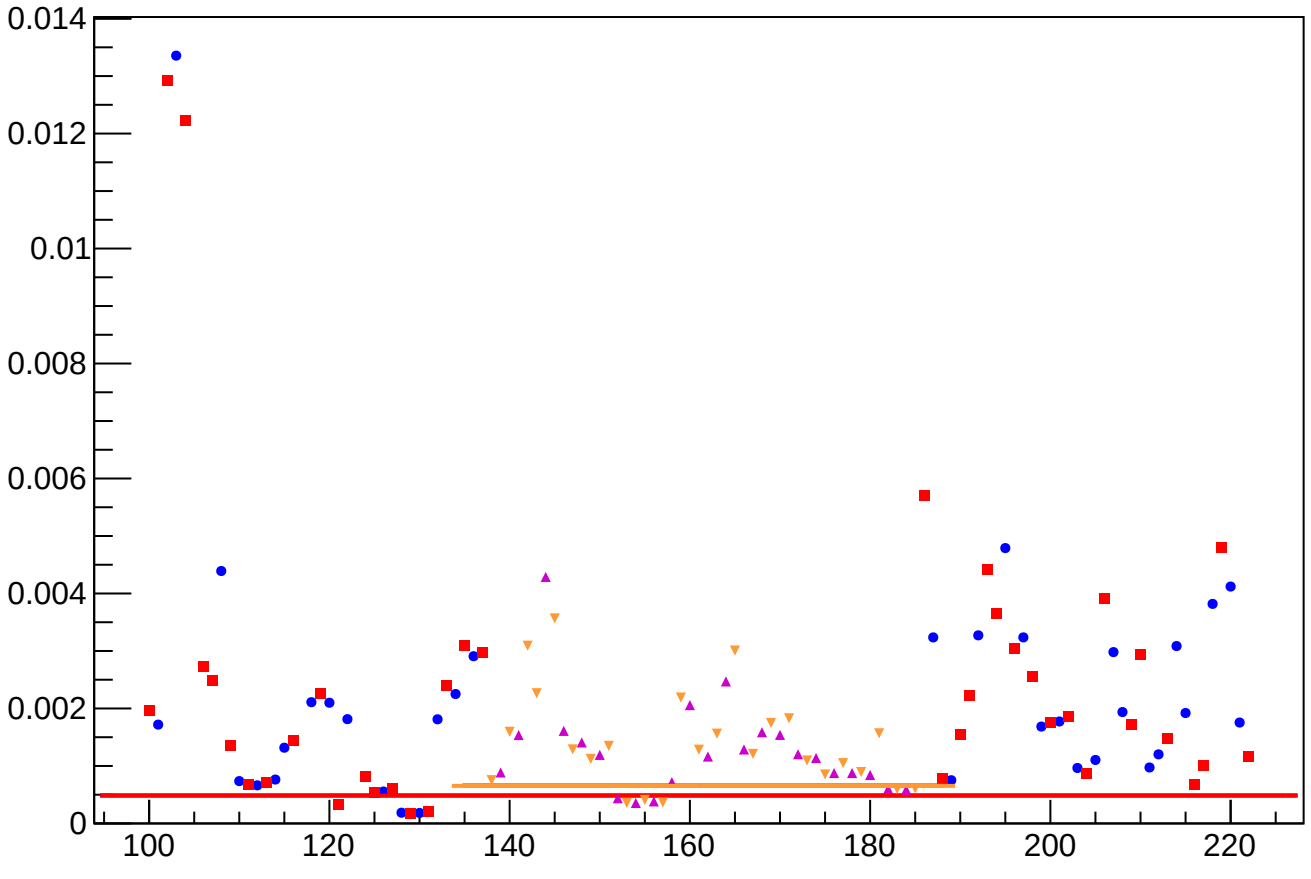
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 167.3/71

In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:147.9/62

All: 0.000+/-0.000 χ^2/NDF: 243.0/119



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: 23688322.0/37

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

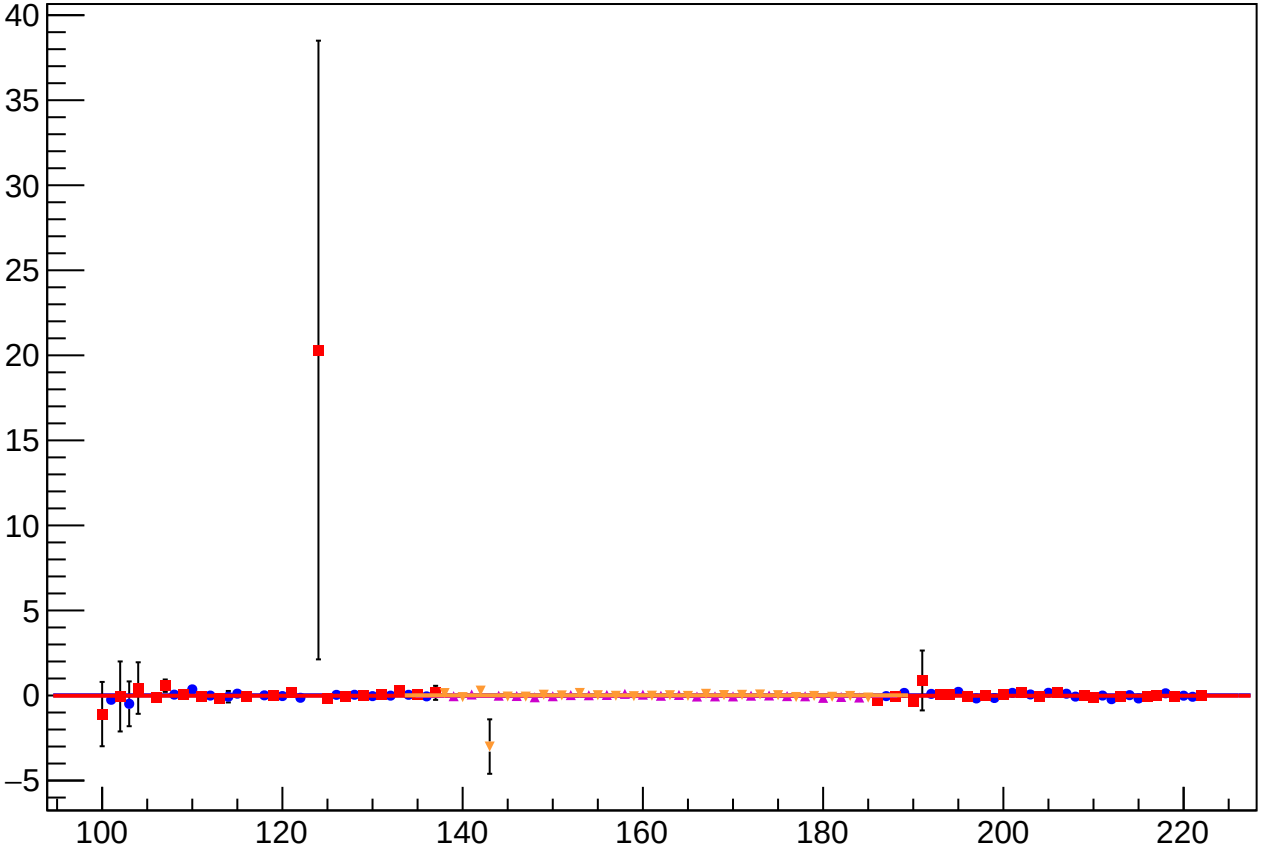
Right: 0.000+/-0.000 χ^2/NDF: 49336644.0/71

In: 0.001+/-0.000 χ^2/NDF:36253314.0/56

Out: 0.001+/-0.000 χ^2/NDF:36661216.5/62

All: 0.001+/-0.000 χ^2/NDF: 72915109.5/119

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: 32.0/37

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

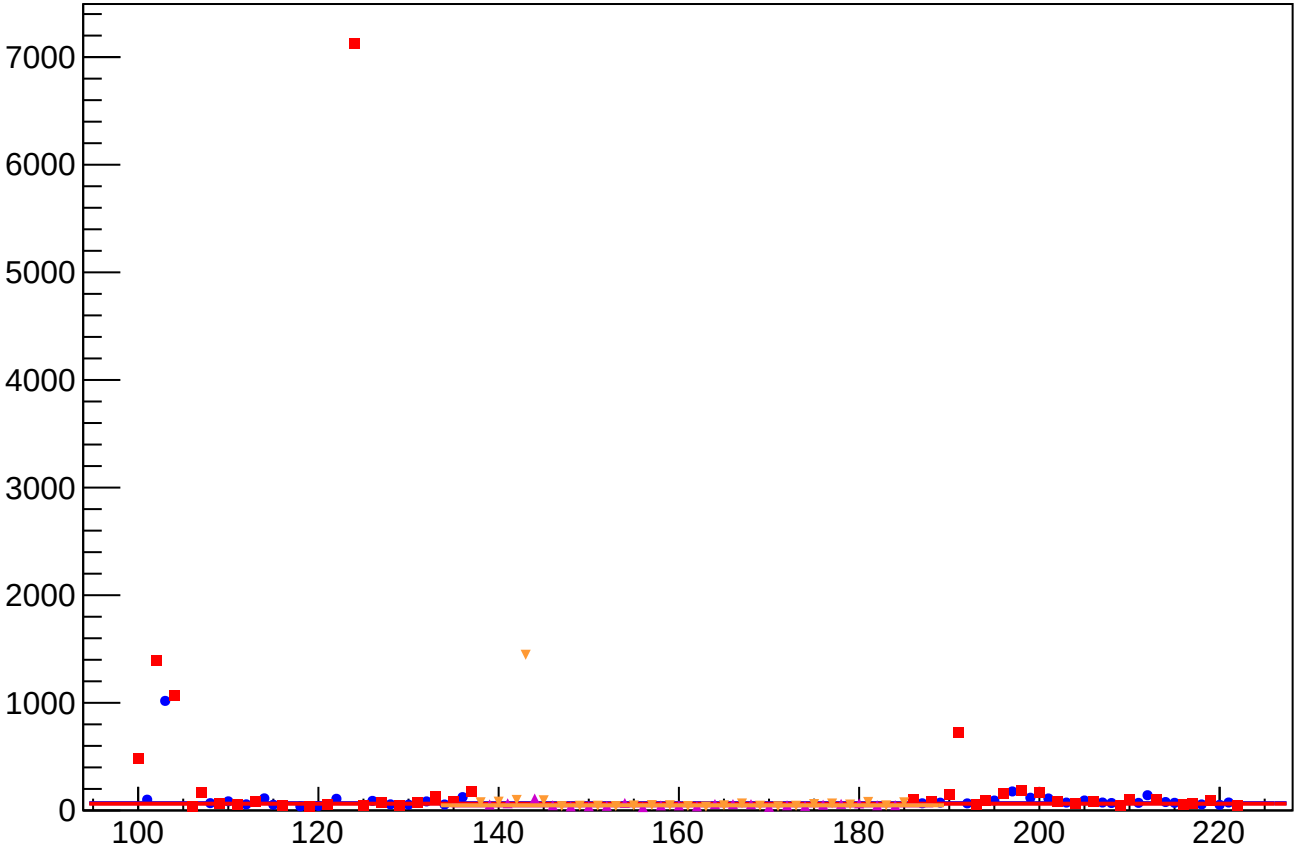
Right: -0.001+/-0.012 χ^2/NDF: 68.9/71

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.1/62

All: -0.003+/-0.007 χ^2/NDF: 121.7/119

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.933+/-0.012 χ^2/NDF: 4448192.4/33

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 62.676+/-0.012 χ^2/NDF: 7051688.0/37

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

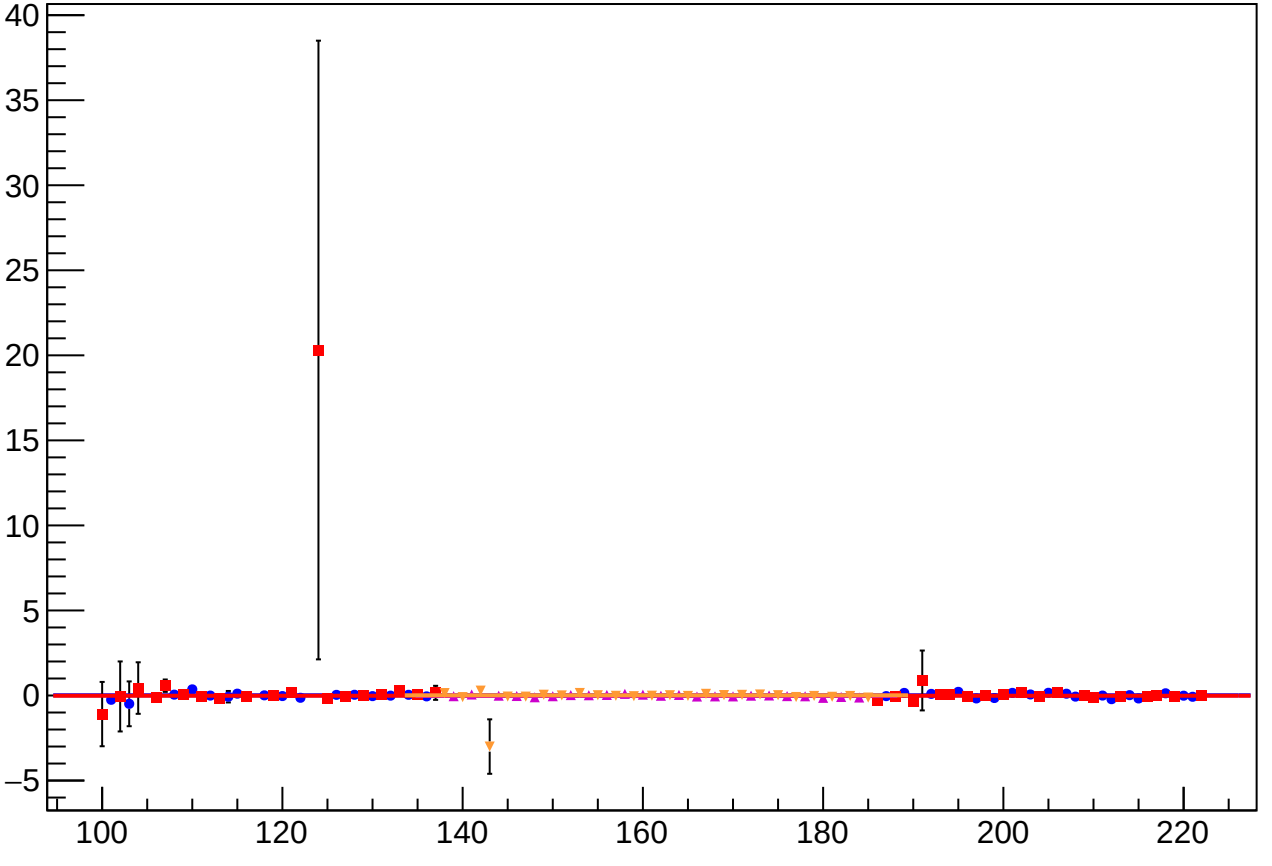
Right: 65.231+/-0.008 χ^2/NDF: 11597479.8/71

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.221+/-0.007 χ^2/NDF:11563590.8/62

All: 53.601+/-0.005 χ^2/NDF: 19993952.0/119

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: 32.0/37

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

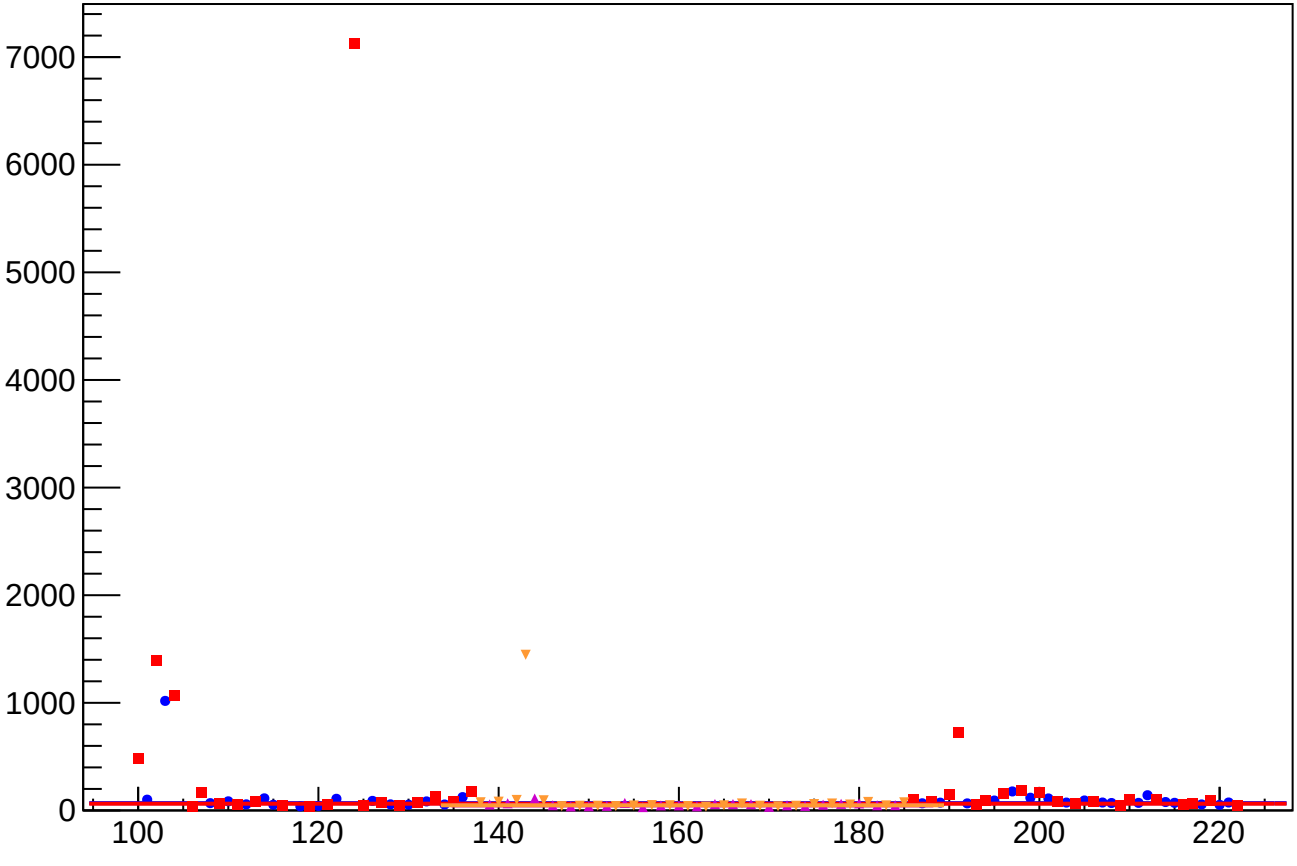
Right: -0.001+/-0.012 χ^2/NDF: 68.9/71

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.1/62

All: -0.003+/-0.007 χ^2/NDF: 121.7/119

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: 62.676+/-0.012 χ^2/NDF: 7051688.0/37

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

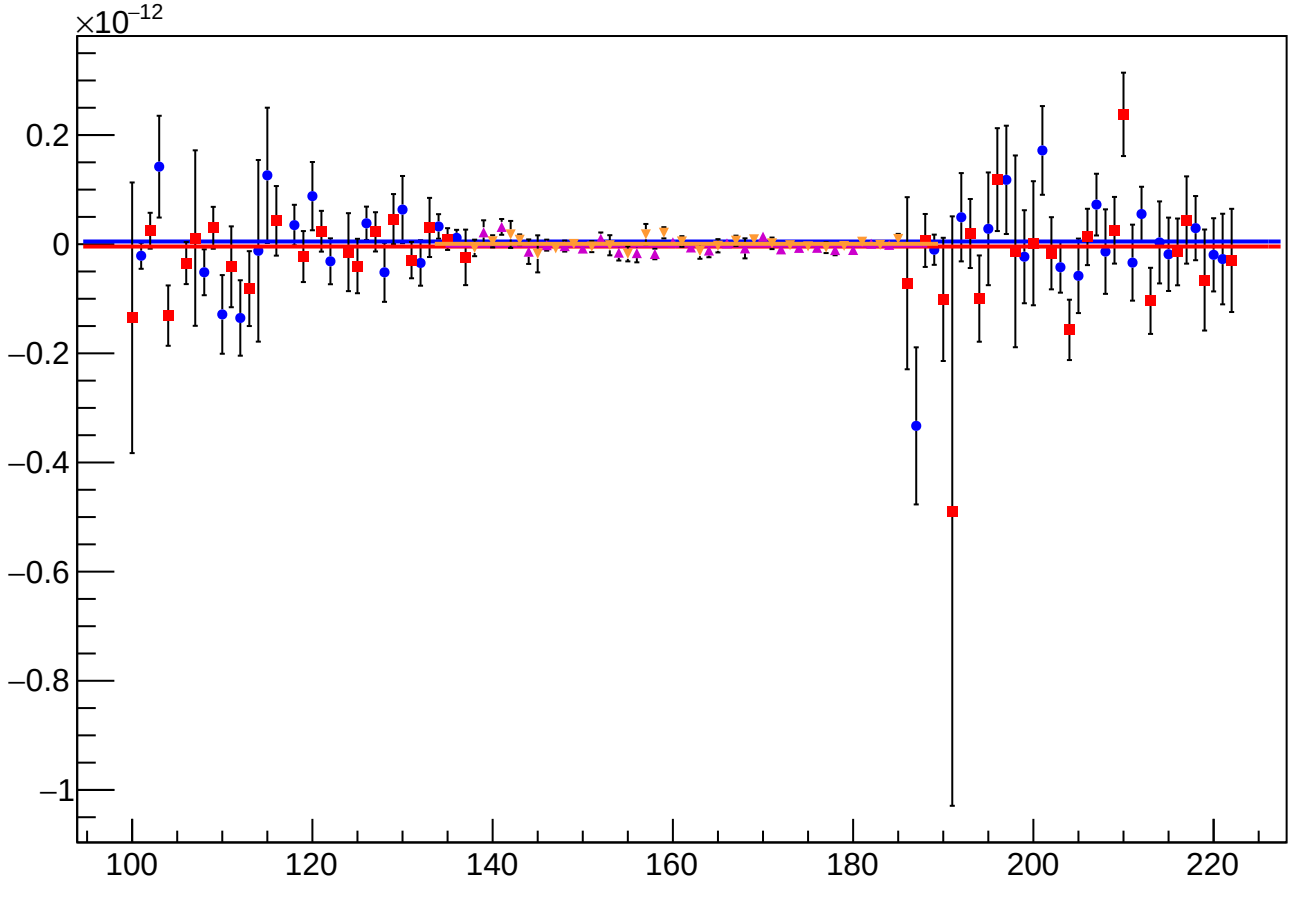
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.231+/-0.008 χ^2/NDF: 11597479.8/71

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.221+/-0.007 χ^2/NDF:11563590.8/62

All: 53.601+/-0.005 χ^2/NDF: 19993952.0/119



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: 41.1/37

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

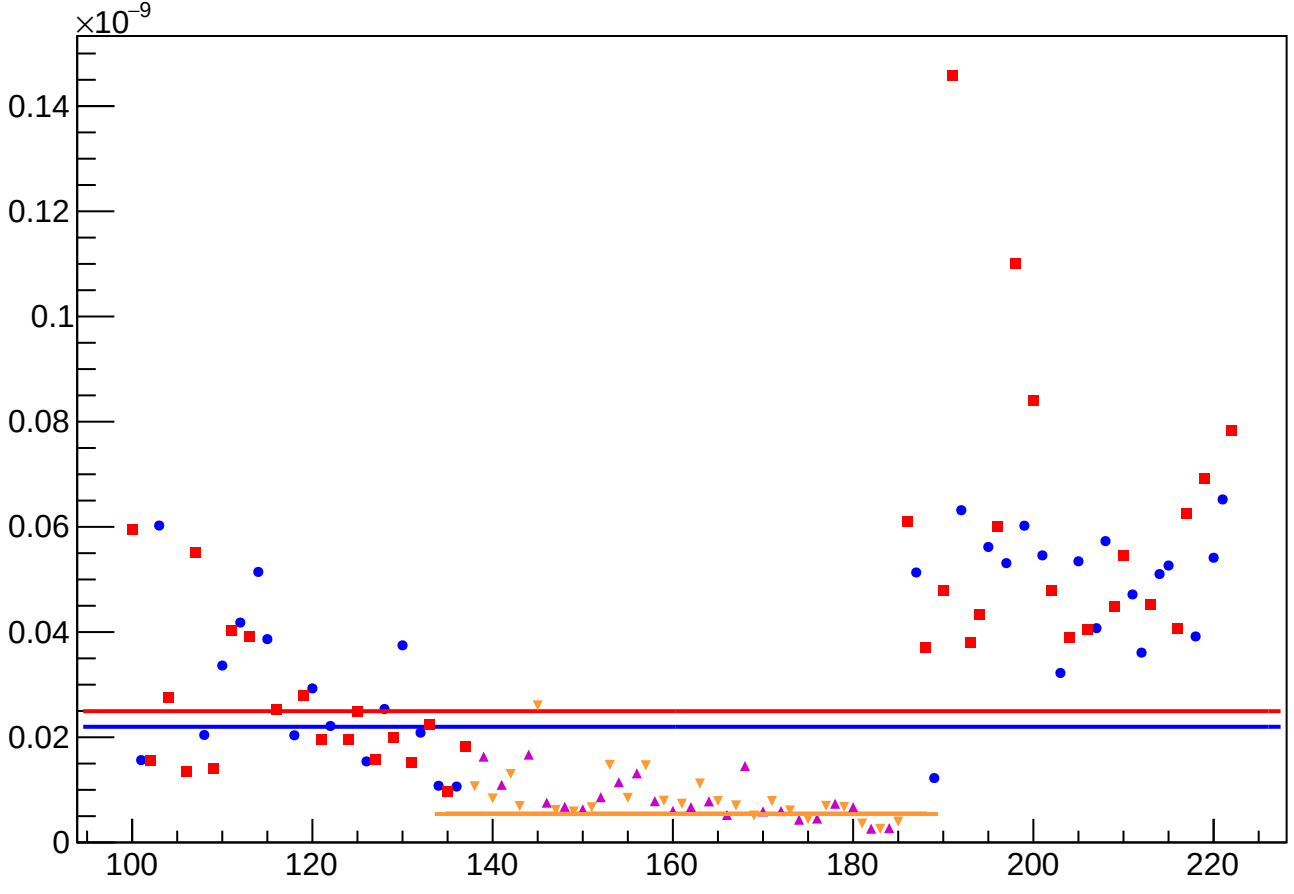
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 81.5/71

In: -0.000+/-0.000 χ^2/NDF:62.4/56

Out: 0.000+/-0.000 χ^2/NDF:56.6/62

All: -0.000+/-0.000 χ^2/NDF: 120.3/119



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: 7228784.0/37

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

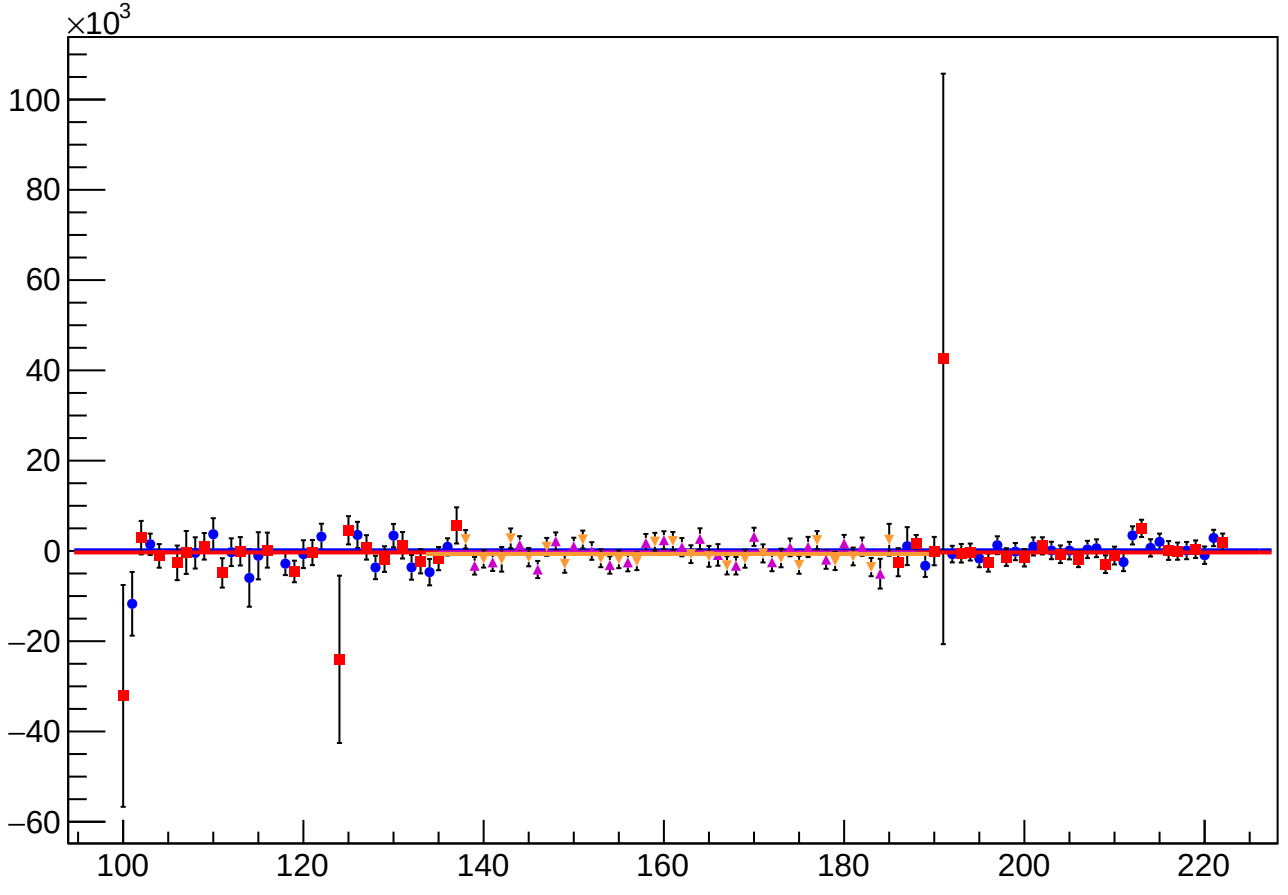
Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15577665.9/71

In: 0.000+/-0.000 χ^2/NDF:22516939.2/56

Out: 0.000+/-0.000 χ^2/NDF:22604350.6/62

All: 0.000+/-0.000 χ^2/NDF: 45133216.9/119



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: -331.101+/-398.598 χ^2/NDF: 32.5/37

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

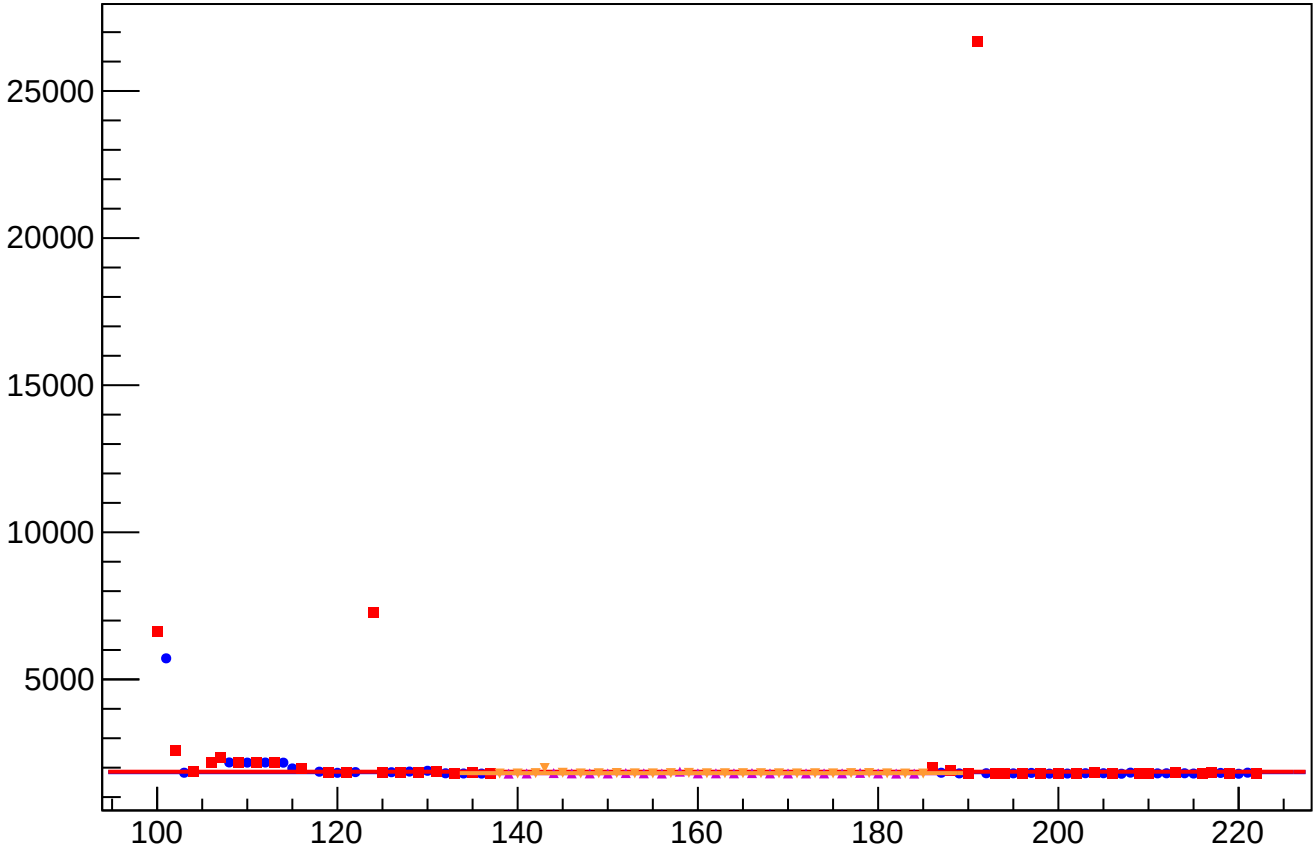
Right: -93.721+/-280.816 χ^2/NDF: 62.4/71

In: -85.434+/-288.874 χ^2/NDF:60.0/56

Out: -494.884+/-286.541 χ^2/NDF:57.5/62

All: -291.819+/-203.435 χ^2/NDF: 118.6/119

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: 1862.362+/-0.282 χ^2/NDF: 763196.1/37

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

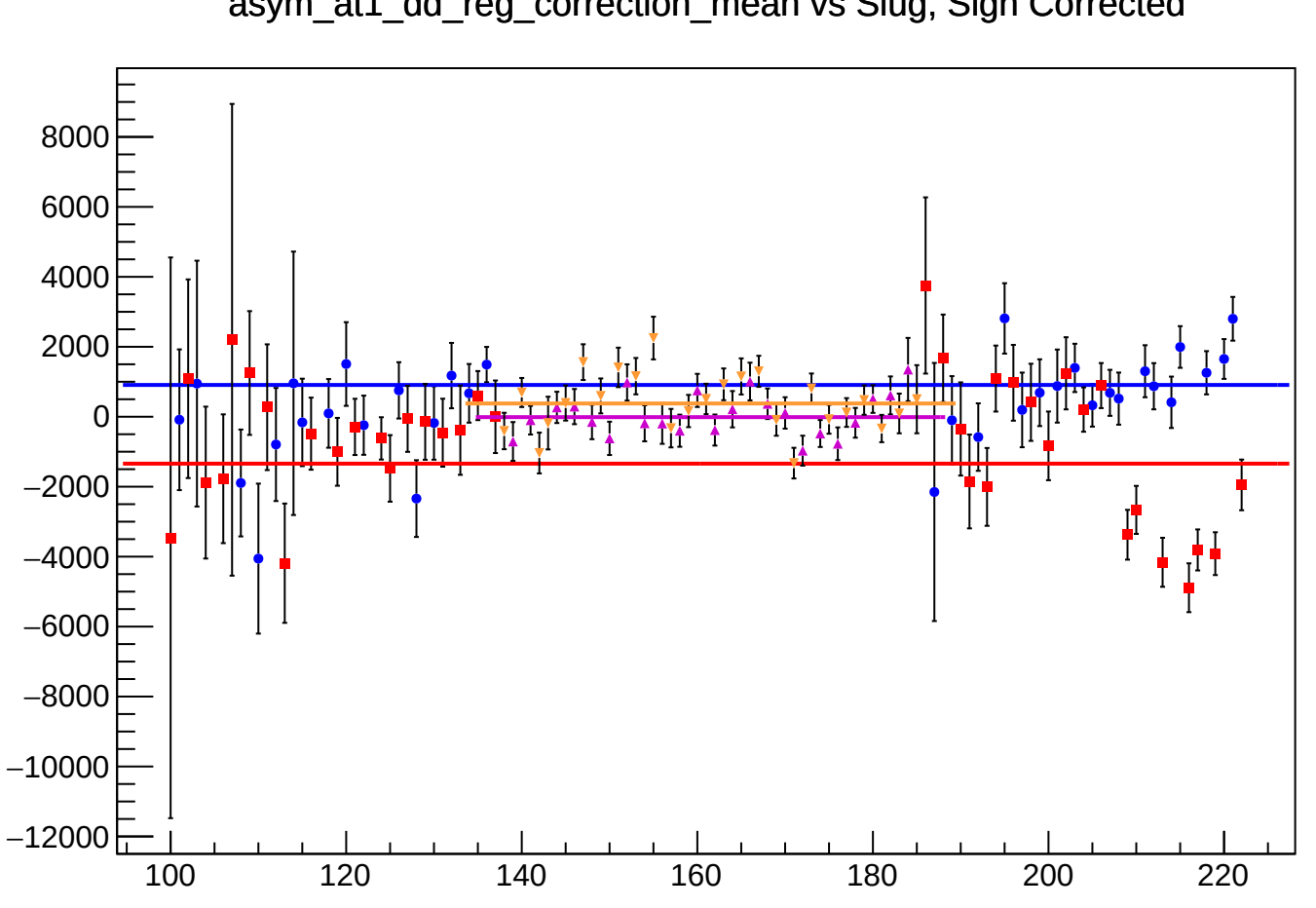
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1853.955+/-0.199 χ^2/NDF: 1446892.9/71

In: 1829.225+/-0.204 χ^2/NDF:691294.5/56

Out: 1839.203+/-0.203 χ^2/NDF:790270.9/62

All: 1834.254+/-0.144 χ^2/NDF: 1482768.0/11



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: -1341.207+/-151.252 χ^2/NDF: 163.9/37

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

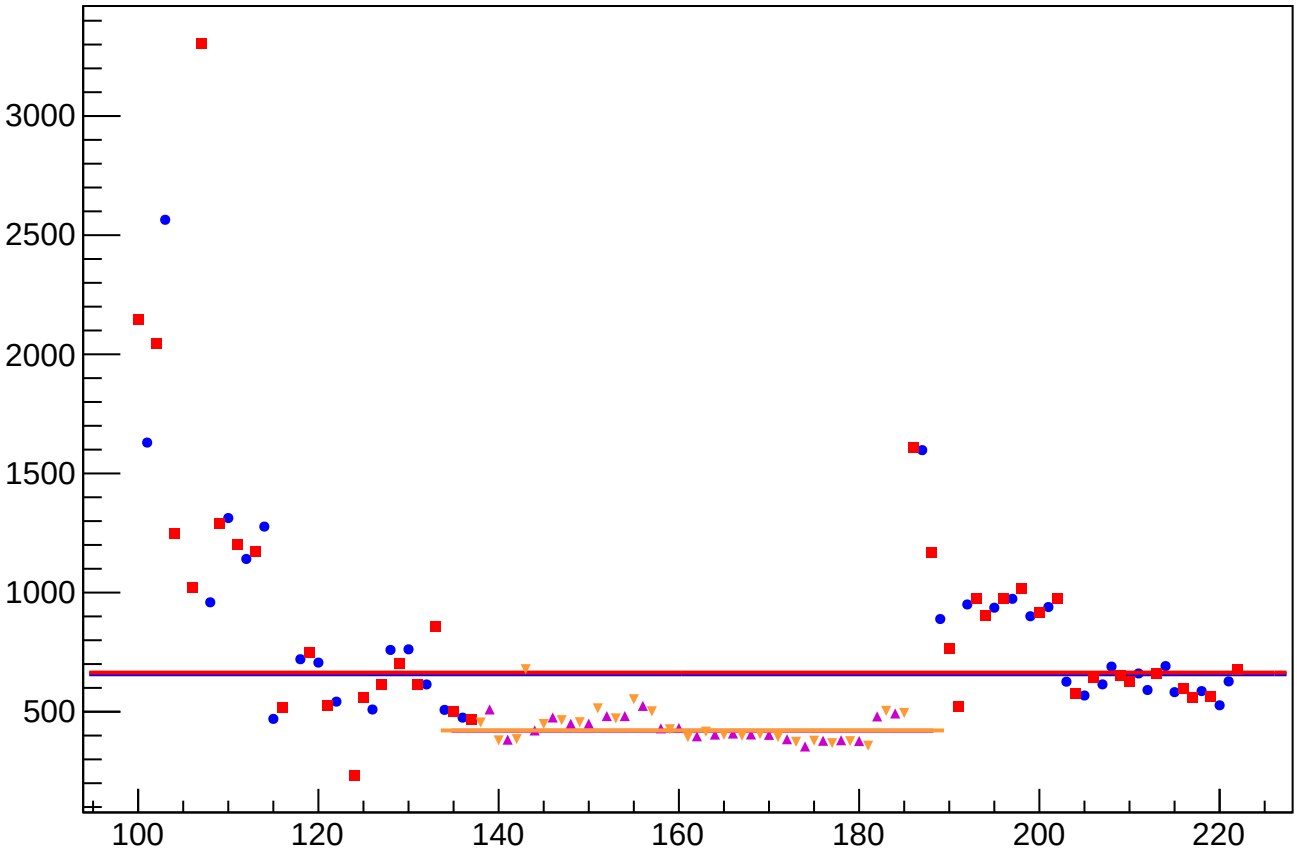
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -180.866+/-105.255 χ^2/NDF: 327.8/71

In: 276.686+/-82.025 χ^2/NDF:108.0/56

Out: -122.159+/-81.659 χ^2/NDF:317.9/62

All: 76.373+/-57.871 χ^2/NDF: 437.7/119



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: 664.219+/-0.107 χ^2/NDF: 4863192.0/37

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

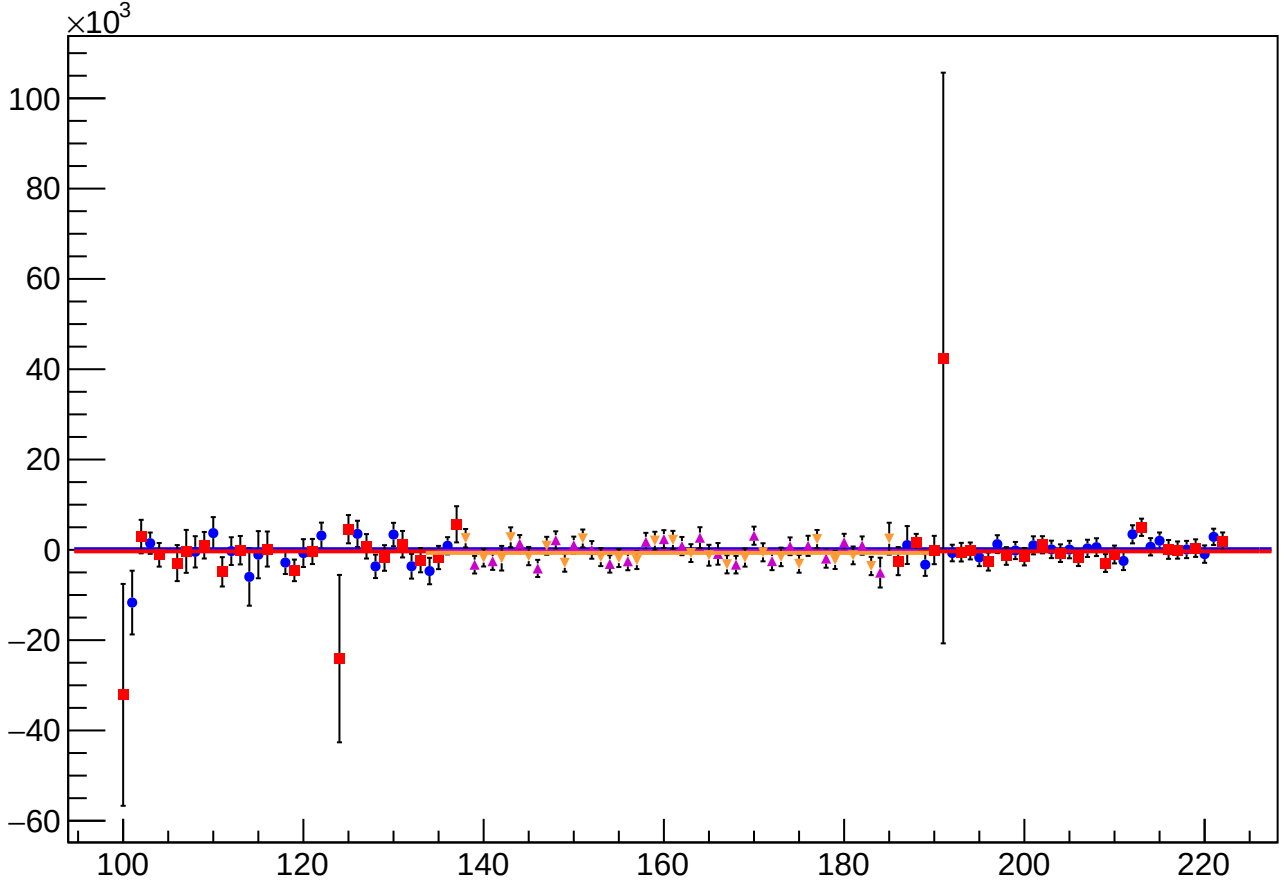
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 660.603+/-0.074 χ^2/NDF: 8183895.6/71

In: 494.447+/-0.058 χ^2/NDF:7322777.9/56

Out: 492.189+/-0.058 χ^2/NDF:9257872.2/62

All: 493.313+/-0.041 χ^2/NDF: 16581411.0/11



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: -332.211+/-398.768 χ^2/NDF: 32.5/37

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

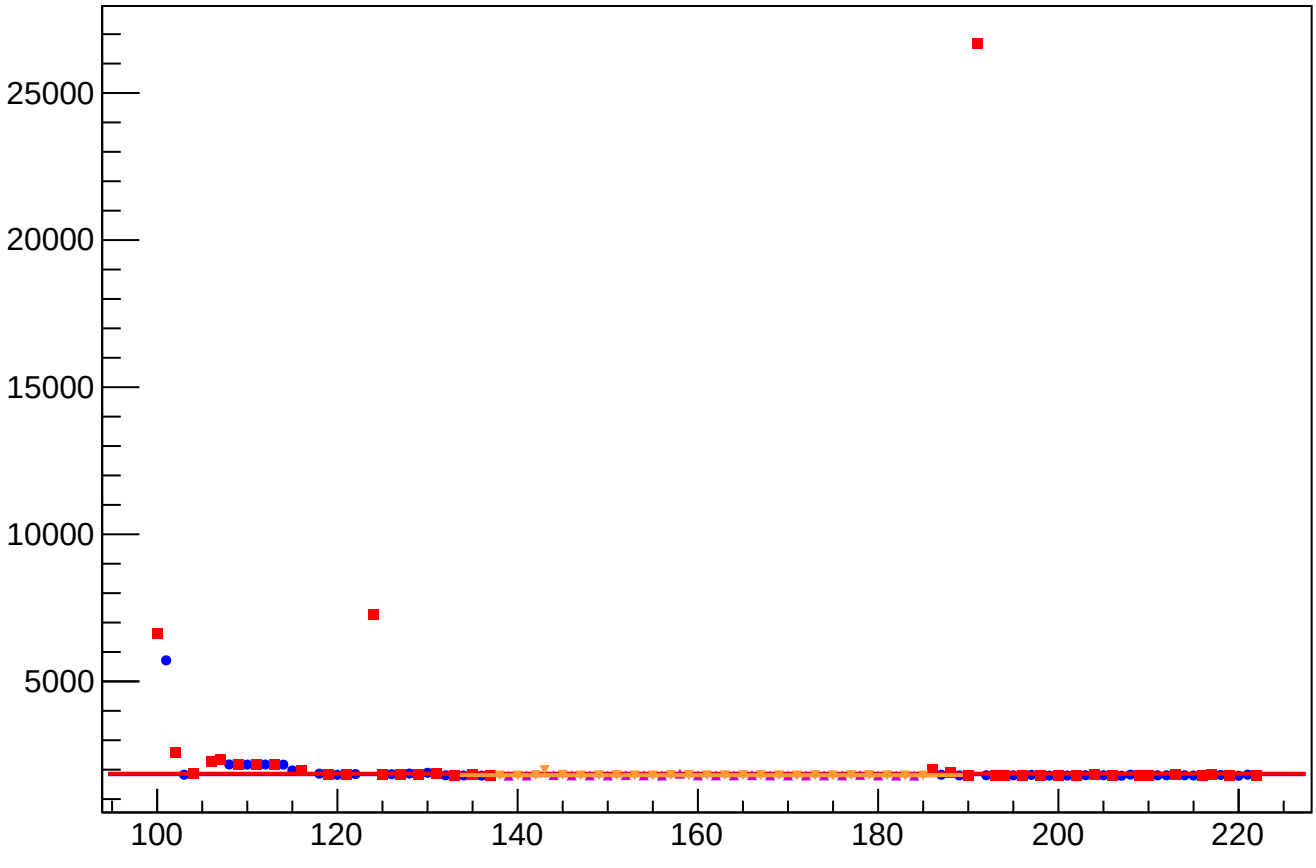
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -94.012+/-280.876 χ^2/NDF: 62.5/71

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -495.525+/-286.605 χ^2/NDF:57.6/62

All: -292.023+/-203.458 χ^2/NDF: 118.6/119



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: 1862.902+/-0.282 χ^2/NDF: 769580.5/37

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

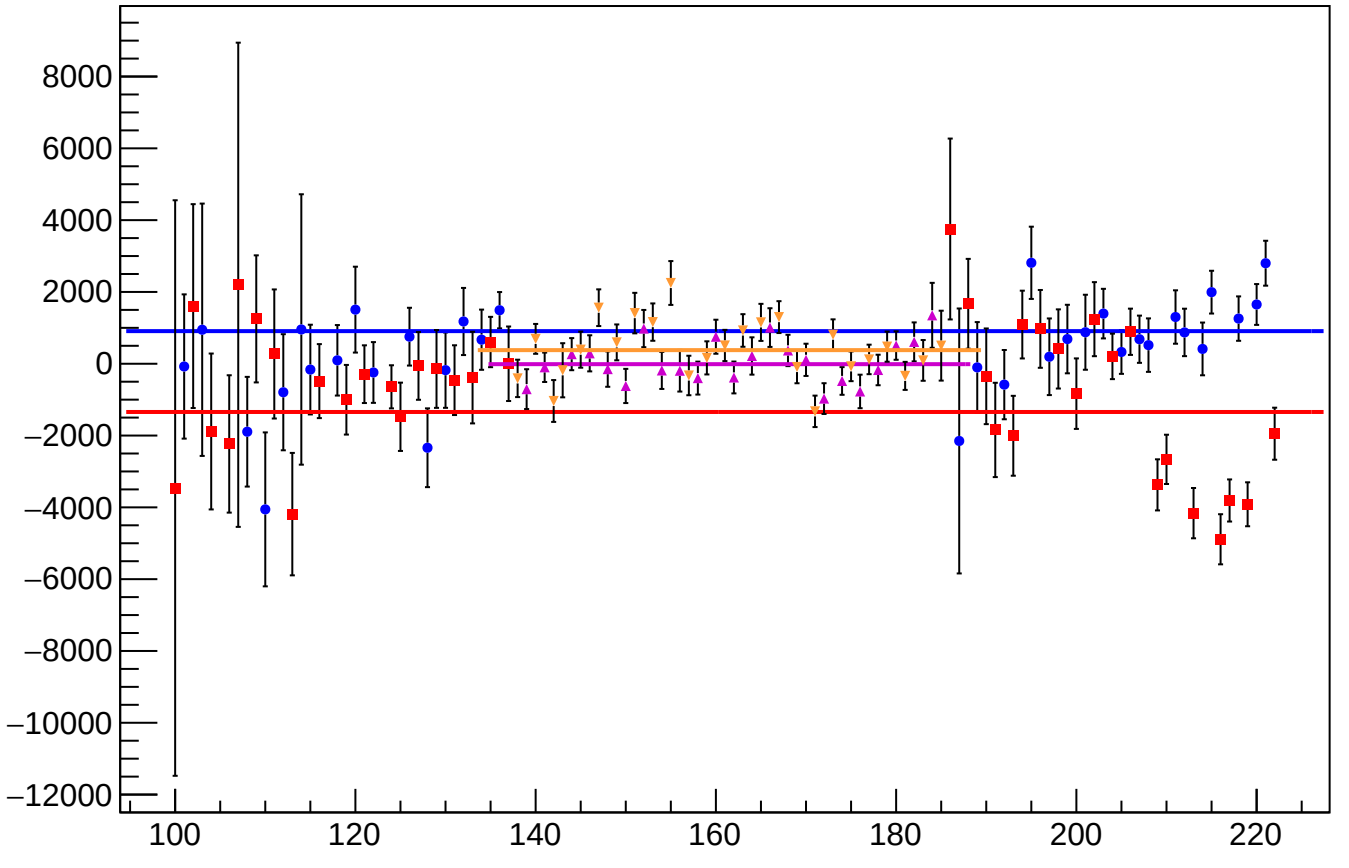
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1854.219+/-0.199 χ^2/NDF: 1453392.4/71

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1839.471+/-0.203 χ^2/NDF:796965.8/62

All: 1834.389+/-0.144 χ^2/NDF: 1489528.1/11



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: -1343.373+/-151.178 χ^2/NDF: 164.3/37

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

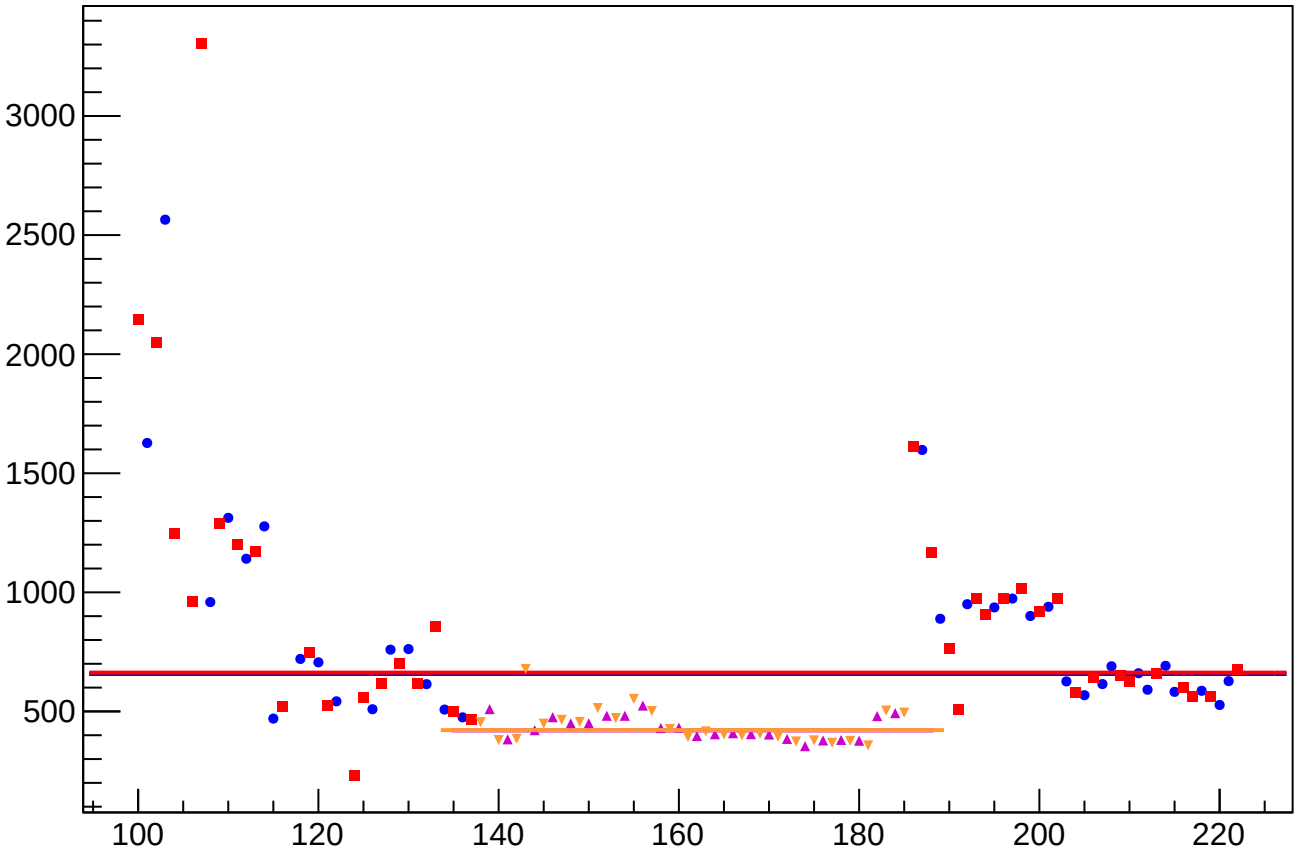
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -182.437+/-105.230 χ^2/NDF: 328.5/71

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -123.147+/-81.648 χ^2/NDF:318.6/62

All: 75.852+/-57.866 χ^2/NDF: 438.5/119



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: 662.926+/-0.107 χ^2/NDF: 4867145.7/37

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

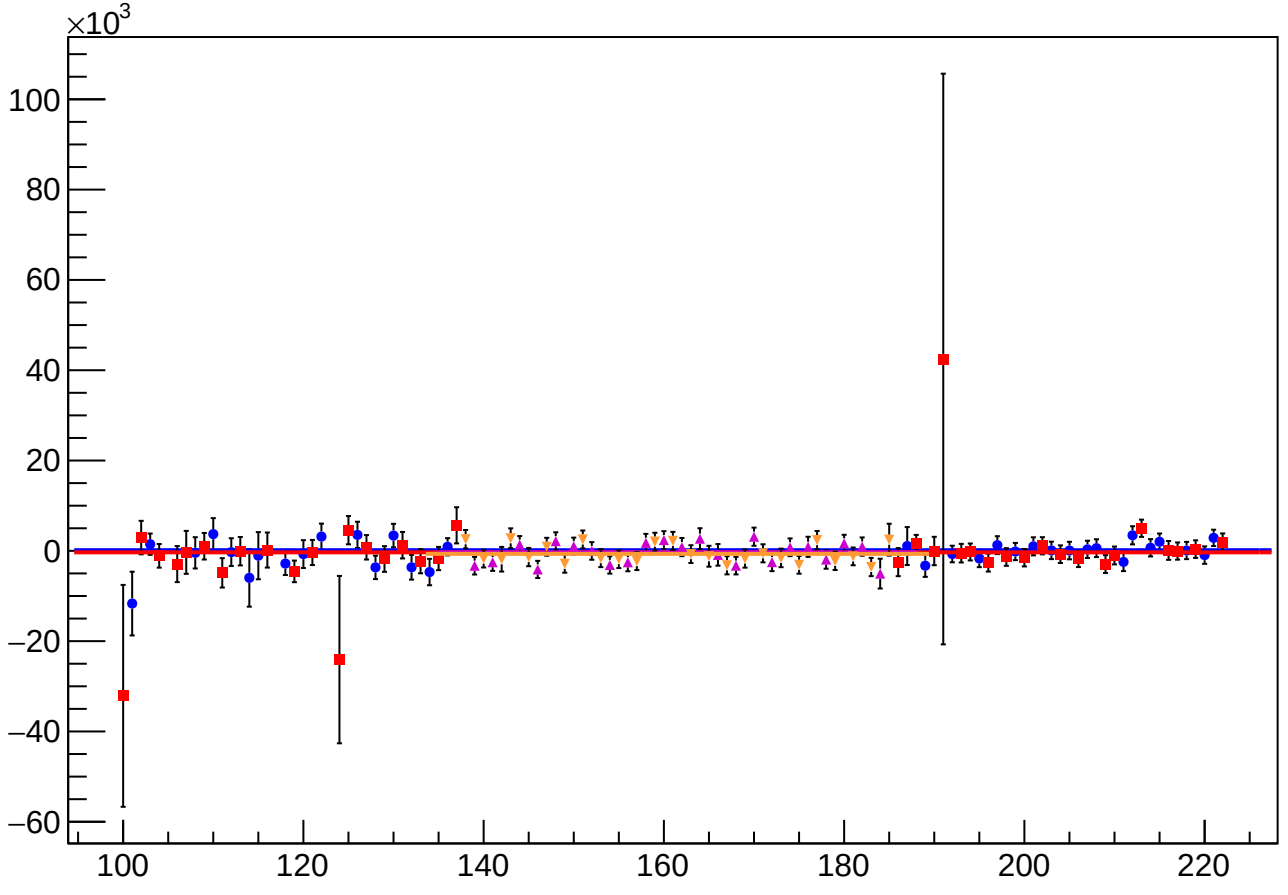
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 659.979+/-0.074 χ^2/NDF: 8186212.8/71

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 491.863+/-0.058 χ^2/NDF:9225341.2/62

All: 493.148+/-0.041 χ^2/NDF: 16548538.7/11



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: -332.211+/-398.768 χ^2/NDF: 32.5/37

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

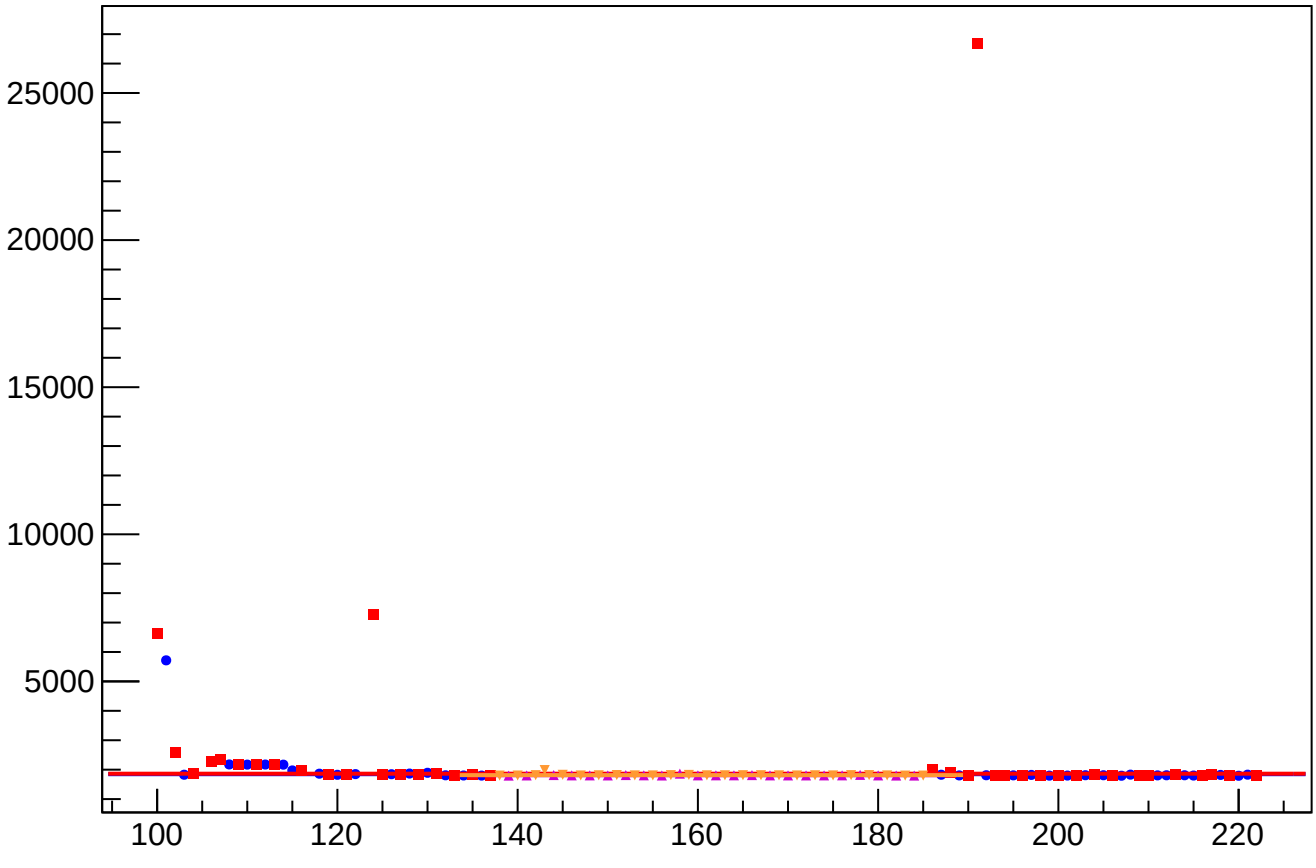
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -94.012+/-280.876 χ^2/NDF: 62.5/71

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -495.525+/-286.605 χ^2/NDF:57.6/62

All: -292.023+/-203.458 χ^2/NDF: 118.6/119



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: 1862.902+/-0.282 χ^2/NDF: 769580.5/37

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

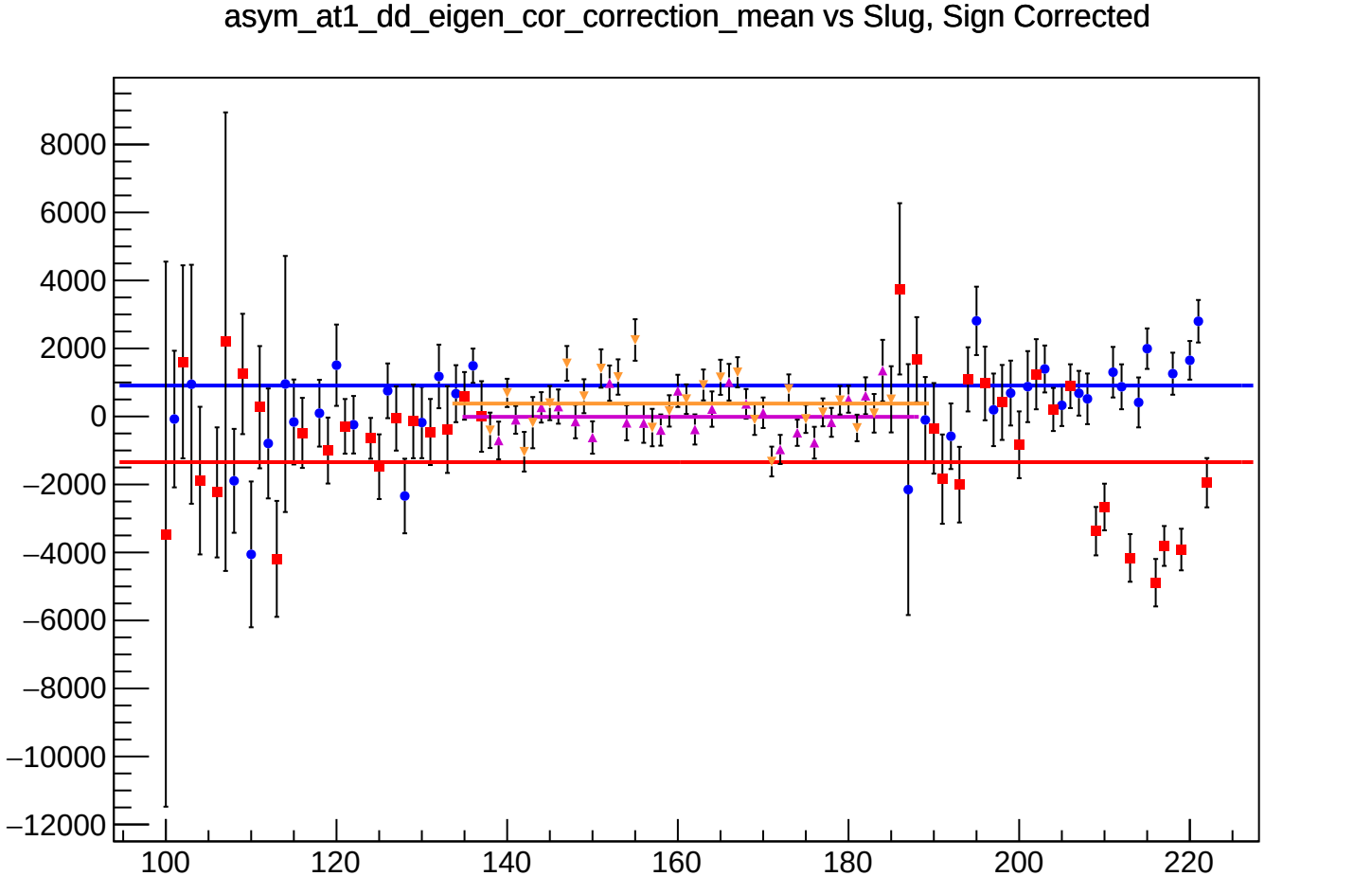
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1854.219+/-0.199 χ^2/NDF: 1453392.4/71

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1839.471+/-0.203 χ^2/NDF:796965.8/62

All: 1834.389+/-0.144 χ^2/NDF: 1489528.1/11



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: -1343.373+/-151.178 χ^2/NDF: 164.3/37

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

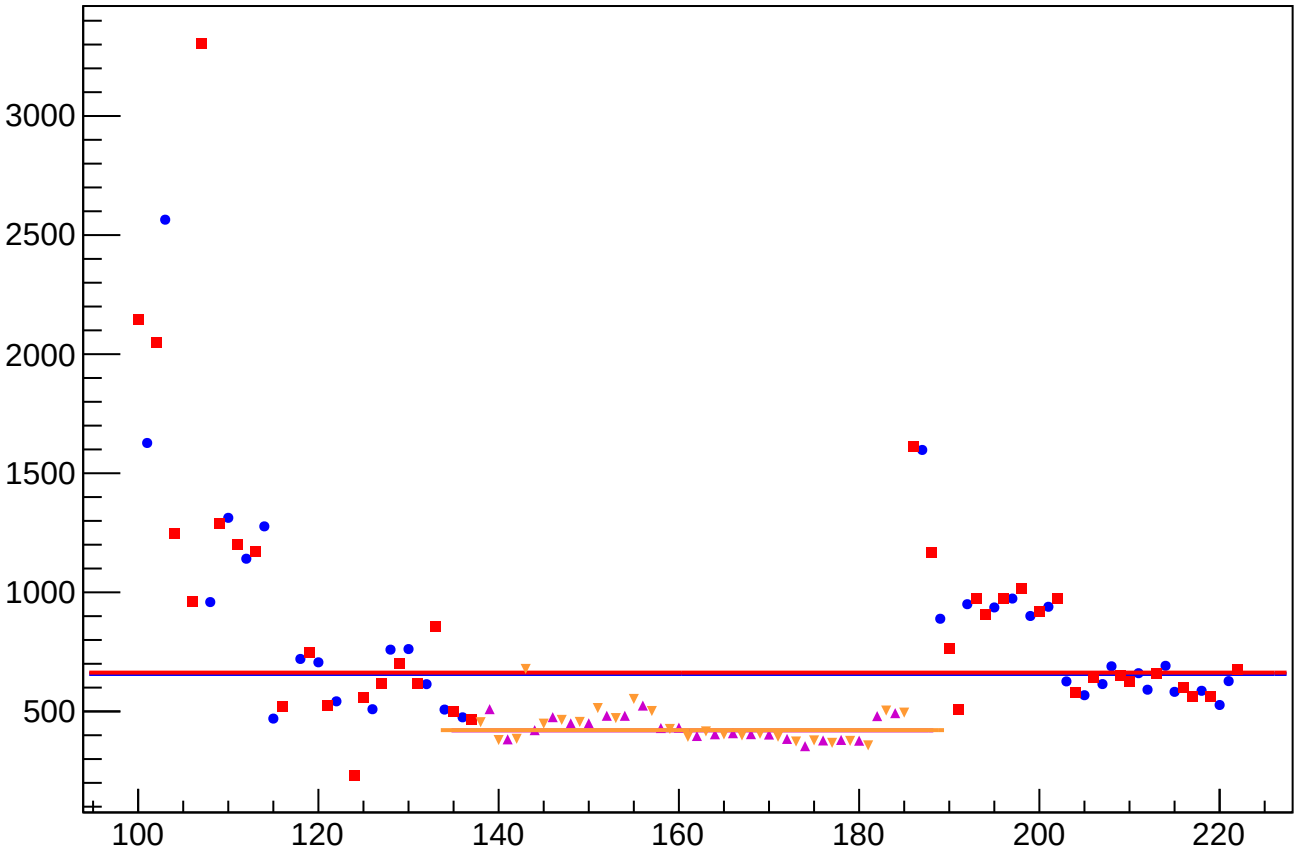
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -182.437+/-105.230 χ^2/NDF: 328.5/71

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -123.147+/-81.648 χ^2/NDF:318.6/62

All: 75.852+/-57.866 χ^2/NDF: 438.5/119



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: 662.926+/-0.107 χ^2/NDF: 4867145.7/37

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

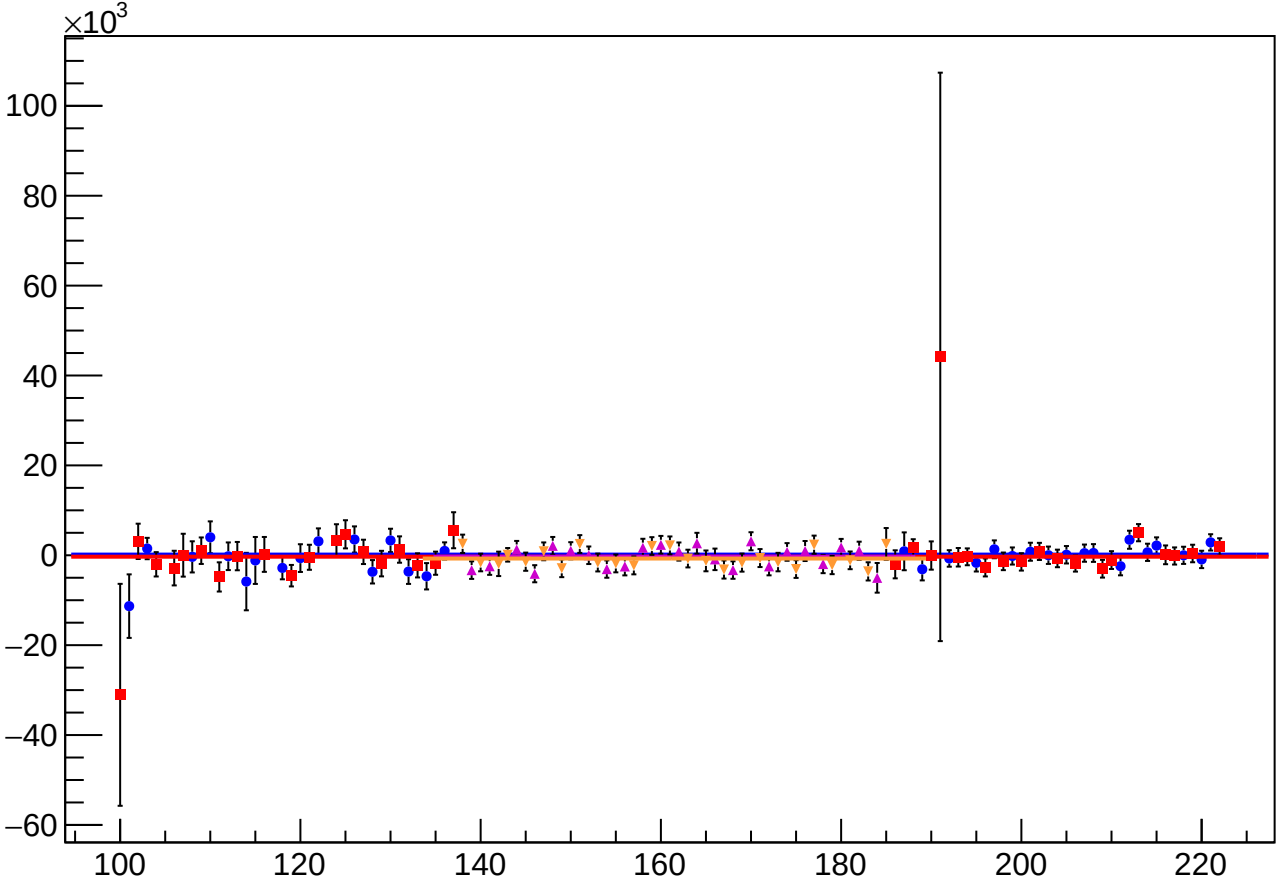
Right: 659.979+/-0.074 χ^2/NDF: 8186212.8/71

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 491.863+/-0.058 χ^2/NDF:9225341.2/62

All: 493.148+/-0.041 χ^2/NDF: 16548538.7/11

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 151.404+/-396.050 χ^2/NDF: 28.9/33

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -314.290+/-397.224 χ^2/NDF: 31.9/37

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

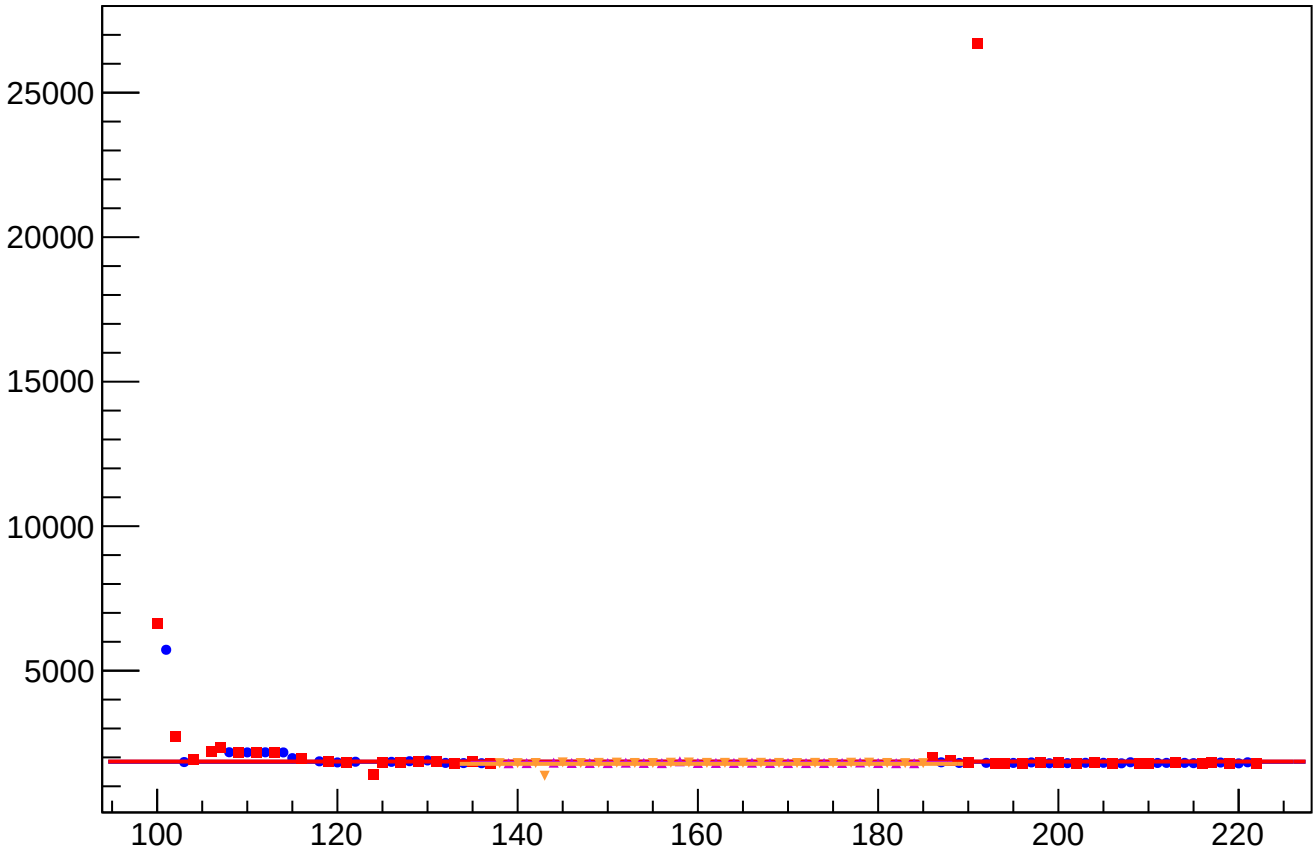
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -80.753+/-280.464 χ^2/NDF: 61.5/71

In: -78.800+/-289.062 χ^2/NDF:59.2/56

Out: -515.728+/-283.389 χ^2/NDF:54.7/62

All: -301.594+/-202.362 χ^2/NDF: 115.1/119



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: 1857.209+/-0.281 χ^2/NDF: 642887.3/37

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

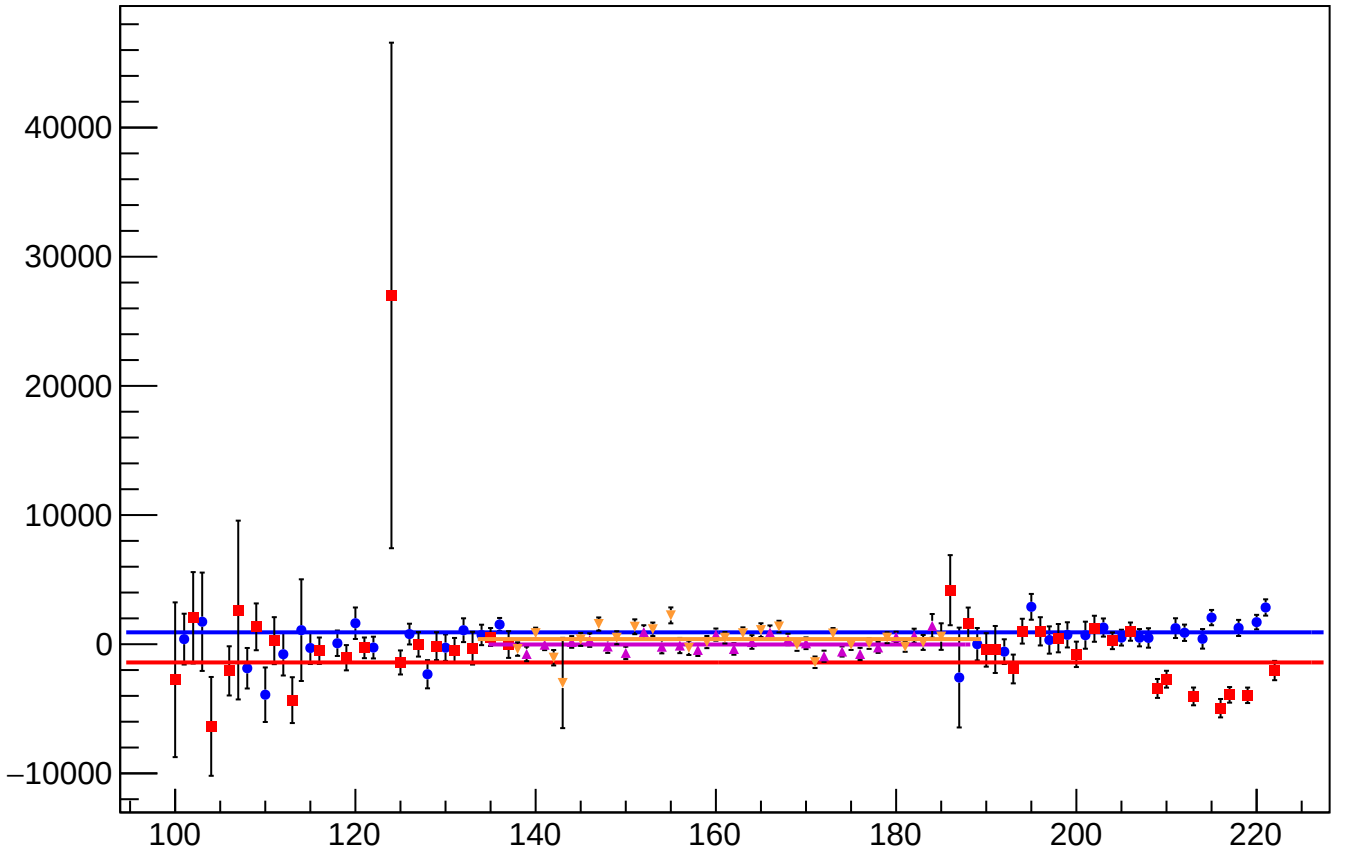
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1852.228+/-0.198 χ^2/NDF: 1325407.9/71

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1817.687+/-0.200 χ^2/NDF:844502.1/62

All: 1823.900+/-0.143 χ^2/NDF: 1538128.0/11



Right In: 919.814+/-146.652 χ^2/NDF: 50.7/33

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -1411.698+/-158.012 χ^2/NDF: 166.4/37

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

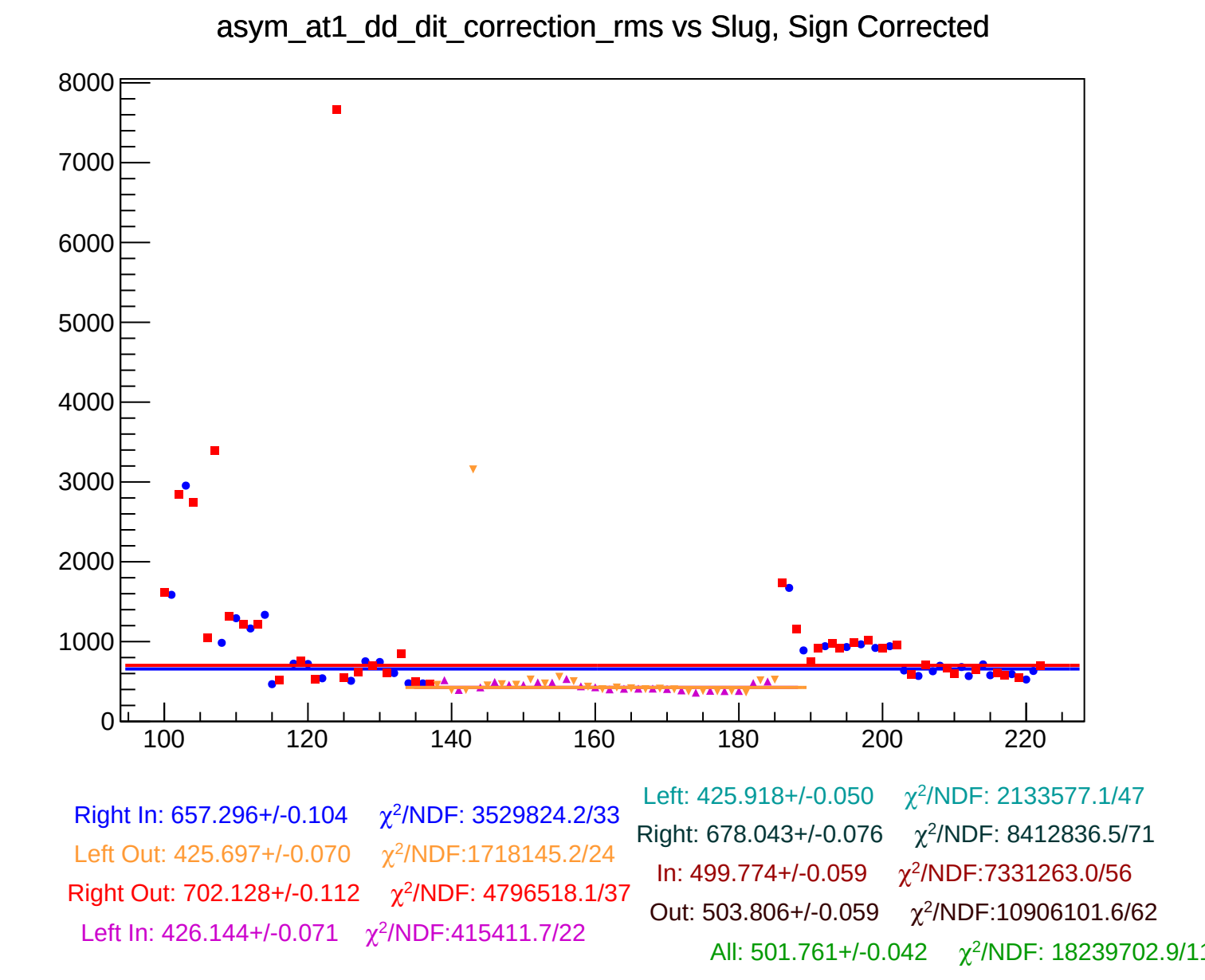
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

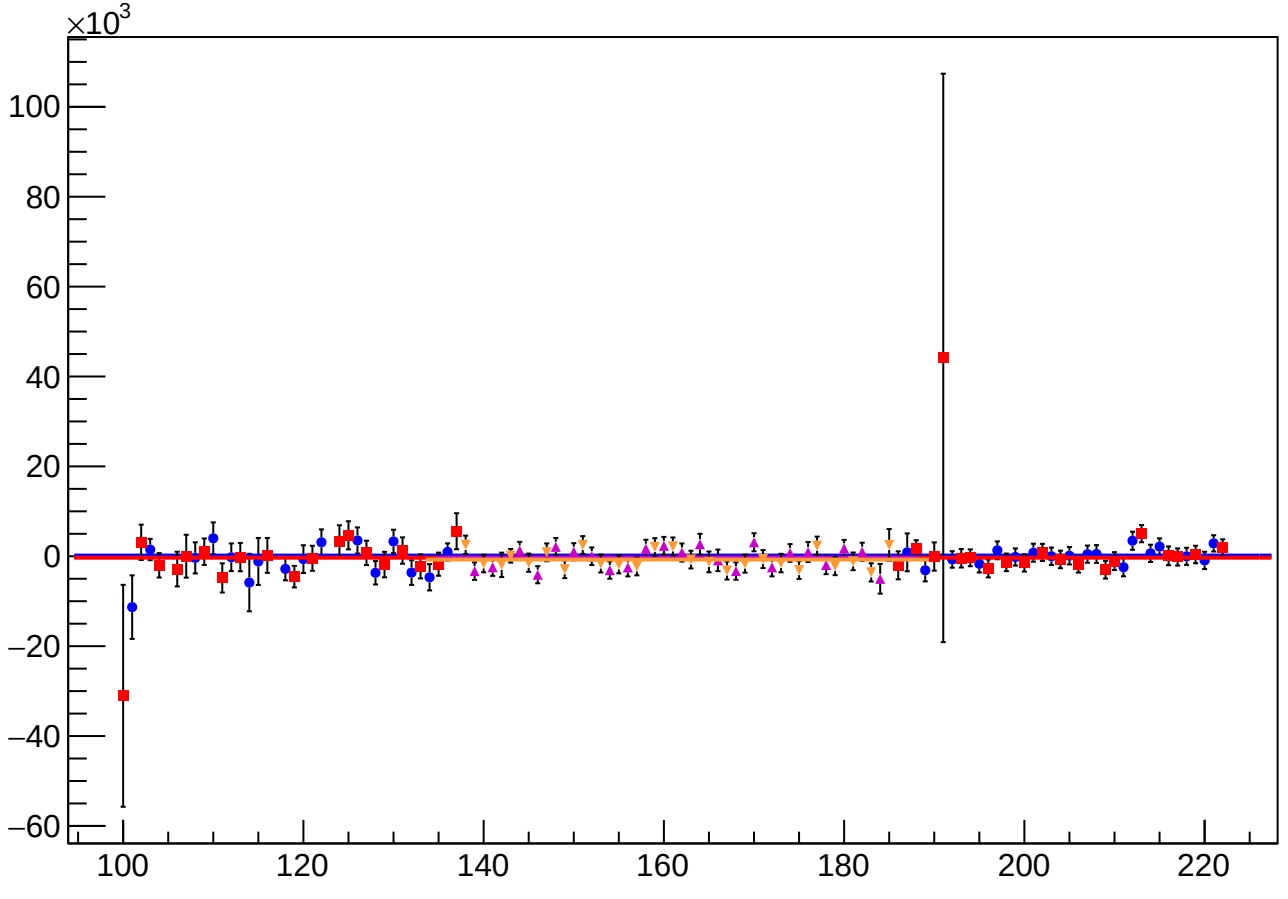
Right: -159.129+/-107.491 χ^2/NDF: 334.0/71

In: 278.374+/-82.769 χ^2/NDF:109.6/56

Out: -113.164+/-83.994 χ^2/NDF:321.0/62

All: 85.481+/-58.955 χ^2/NDF: 441.6/119


asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 657.296+/-0.104 χ²/NDF: 3529824.2/33
Left Out: 425.697+/-0.070 χ²/NDF:1718145.2/24
Right Out: 702.128+/-0.112 χ²/NDF: 4796518.1/37
Left In: 426.144+/-0.071 χ²/NDF:415411.7/22
Left: 425.918+/-0.050 χ²/NDF: 2133577.1/47
Right: 678.043+/-0.076 χ²/NDF: 8412836.5/71
In: 499.774+/-0.059 χ²/NDF:7331263.0/56
Out: 503.806+/-0.059 χ²/NDF:10906101.6/62
All: 501.761+/-0.042 χ²/NDF: 18239702.9/11



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: -314.288+/-397.224 χ^2/NDF: 31.9/37

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

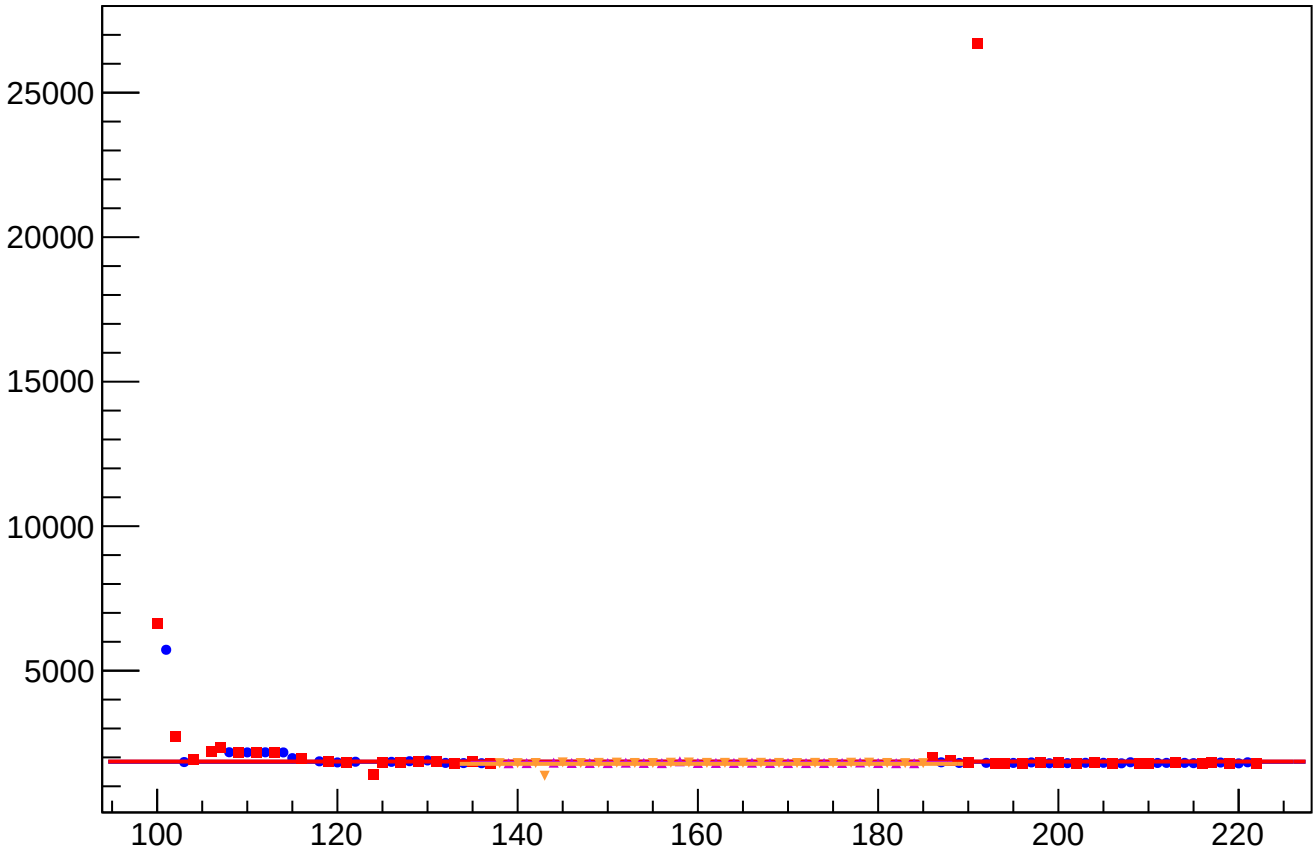
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -80.754+/-280.464 χ^2/NDF: 61.5/71

In: -78.801+/-289.062 χ^2/NDF:59.2/56

Out: -515.727+/-283.389 χ^2/NDF:54.7/62

All: -301.594+/-202.362 χ^2/NDF: 115.1/119



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: 1857.209+/-0.281 χ^2/NDF: 642887.1/37

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

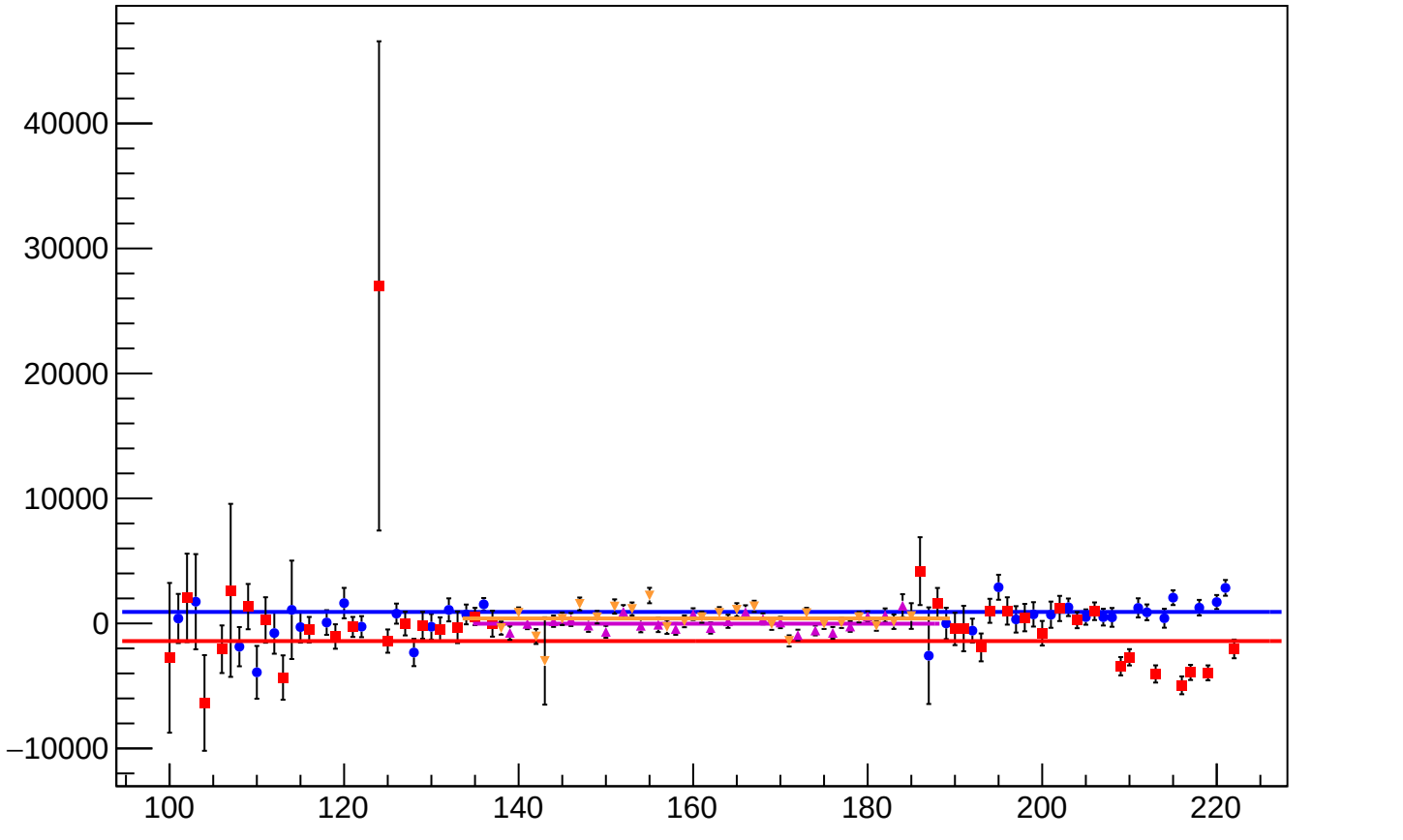
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1852.228+/-0.198 χ^2/NDF: 1325407.7/71

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1817.687+/-0.200 χ^2/NDF:844501.9/62

All: 1823.900+/-0.143 χ^2/NDF: 1538127.8/11



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: -1411.693+/-158.012 χ^2/NDF: 166.4/37

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

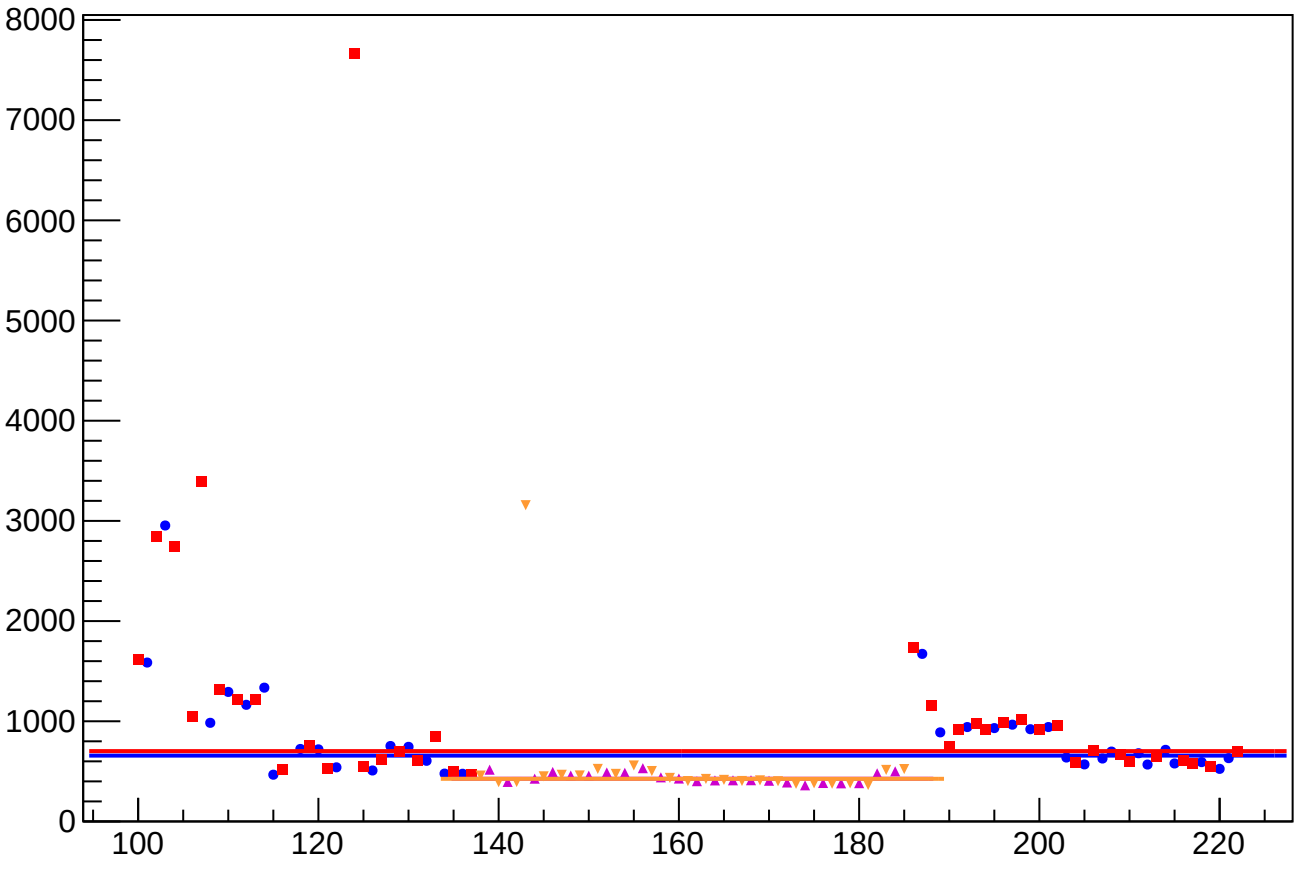
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: -159.129+/-107.491 χ^2/NDF: 334.0/71

In: 278.373+/-82.769 χ^2/NDF:109.6/56

Out: -113.162+/-83.994 χ^2/NDF:321.0/62

All: 85.482+/-58.955 χ^2/NDF: 441.6/119



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: 702.128+/-0.112 χ^2/NDF: 4796513.8/37

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

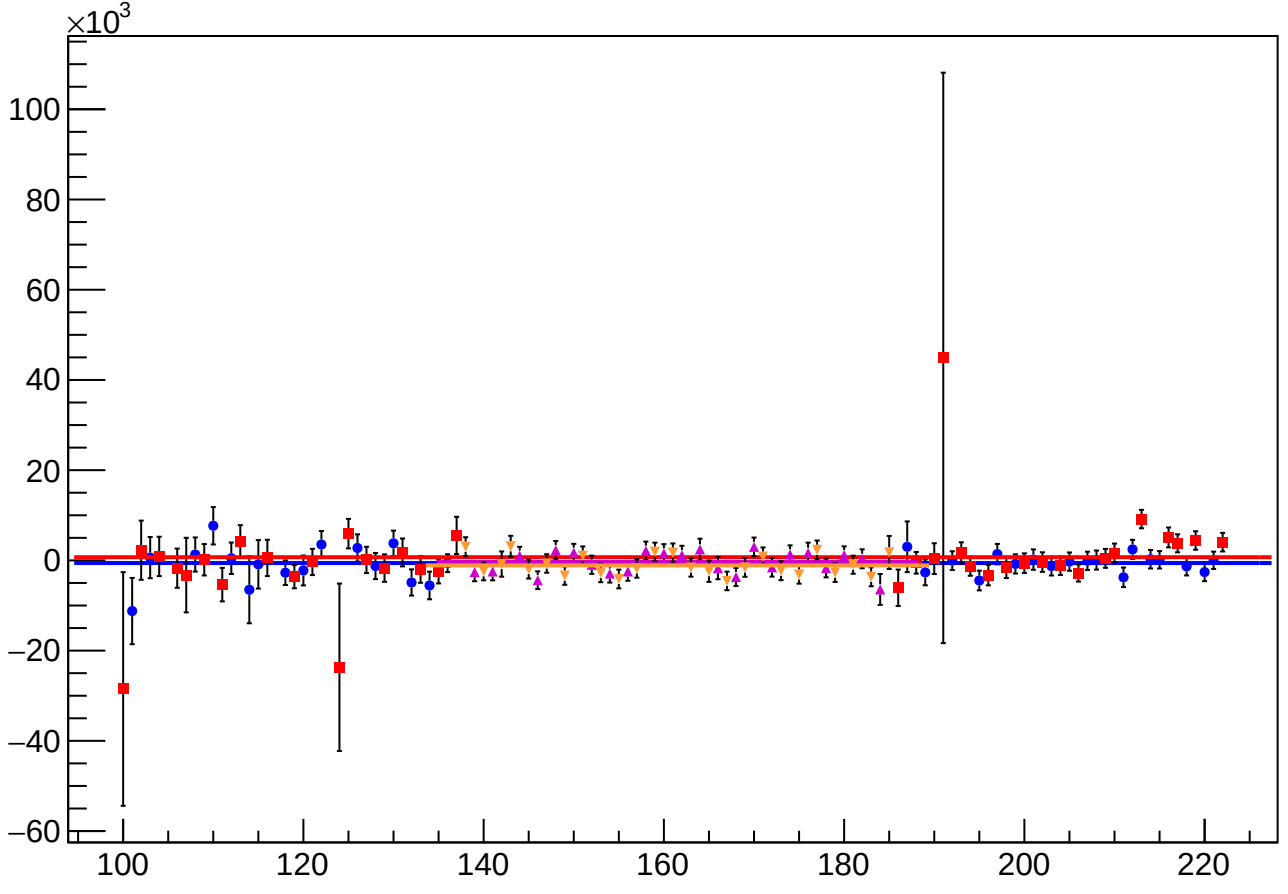
Right: 678.043+/-0.076 χ^2/NDF: 8412831.3/71

In: 499.774+/-0.059 χ^2/NDF:7331280.6/56

Out: 503.806+/-0.059 χ^2/NDF:10906123.4/62

All: 501.761+/-0.042 χ^2/NDF: 18239742.3/11

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: 708.486+/-441.647 χ^2/NDF: 60.3/37

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

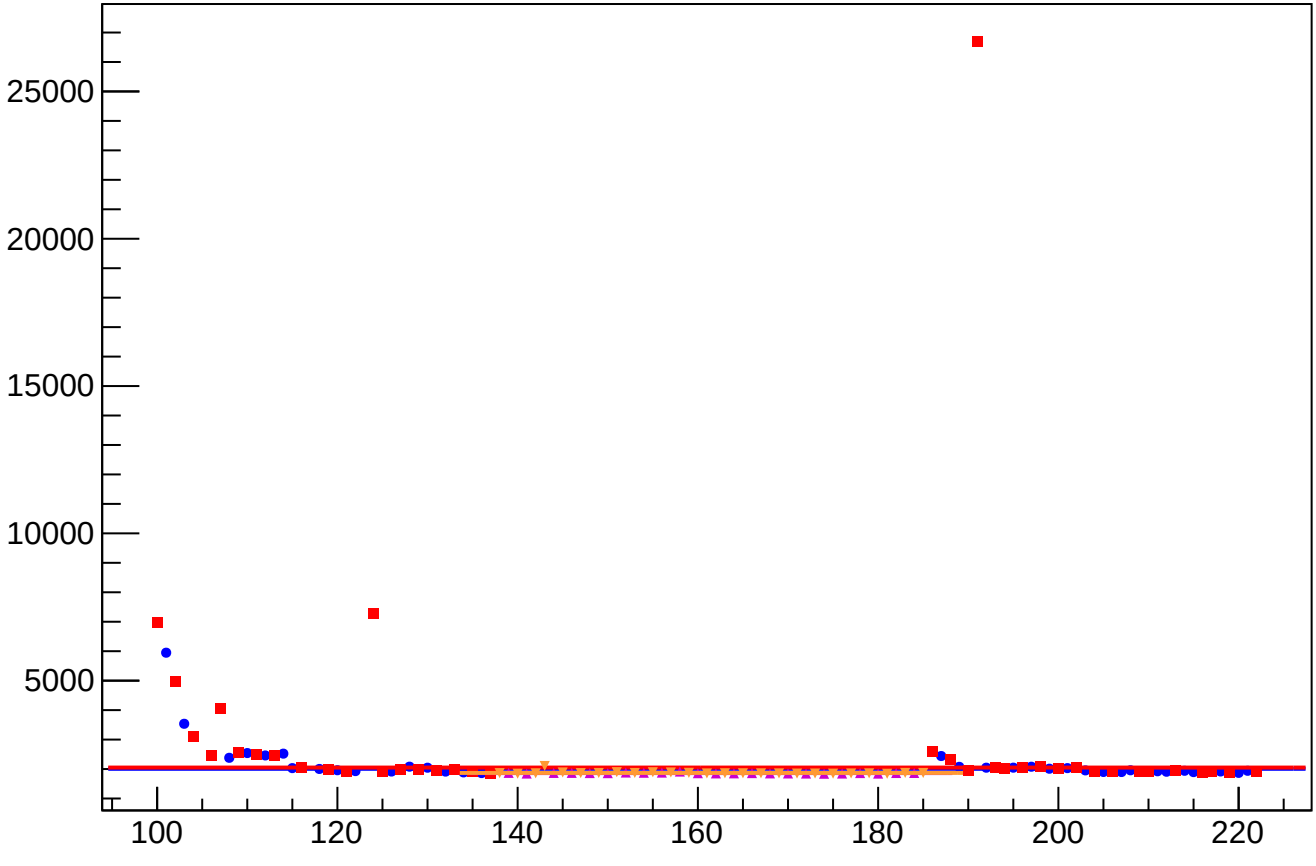
Right: 46.366+/-308.845 χ^2/NDF: 94.1/71

In: -467.926+/-306.527 χ^2/NDF:58.3/56

Out: -234.240+/-306.105 χ^2/NDF:97.0/62

All: -350.922+/-216.598 χ^2/NDF: 155.7/119

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2007.977+/-0.306 χ^2/NDF: 980137.2/33

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2049.841+/-0.312 χ^2/NDF: 1452723.6/37

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

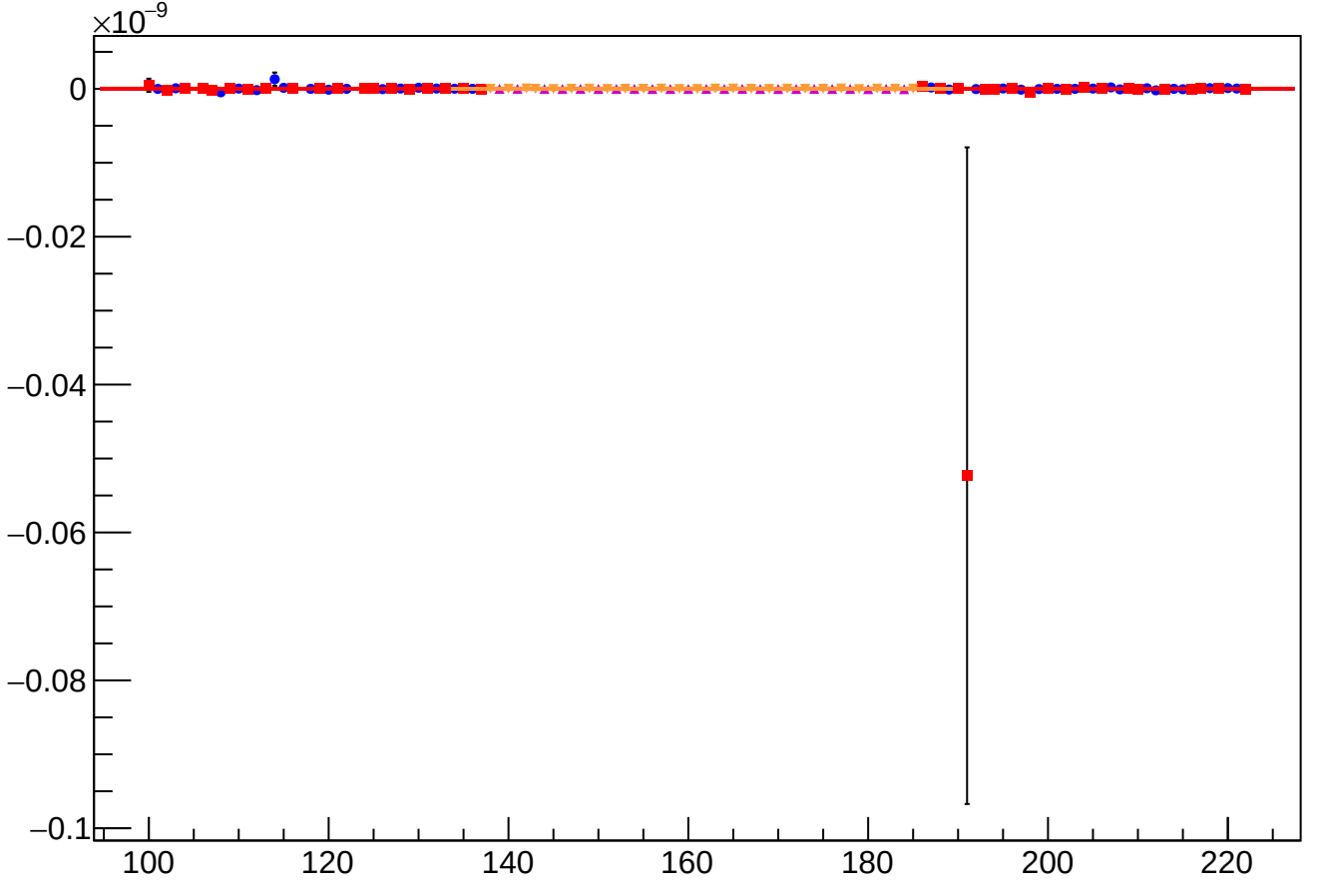
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2028.450+/-0.218 χ^2/NDF: 2442043.2/71

In: 1935.886+/-0.217 χ^2/NDF:1094960.4/56

Out: 1955.843+/-0.216 χ^2/NDF:1650395.0/62

All: 1945.878+/-0.153 χ^2/NDF: 2749599.7/11



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: 35.0/37

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

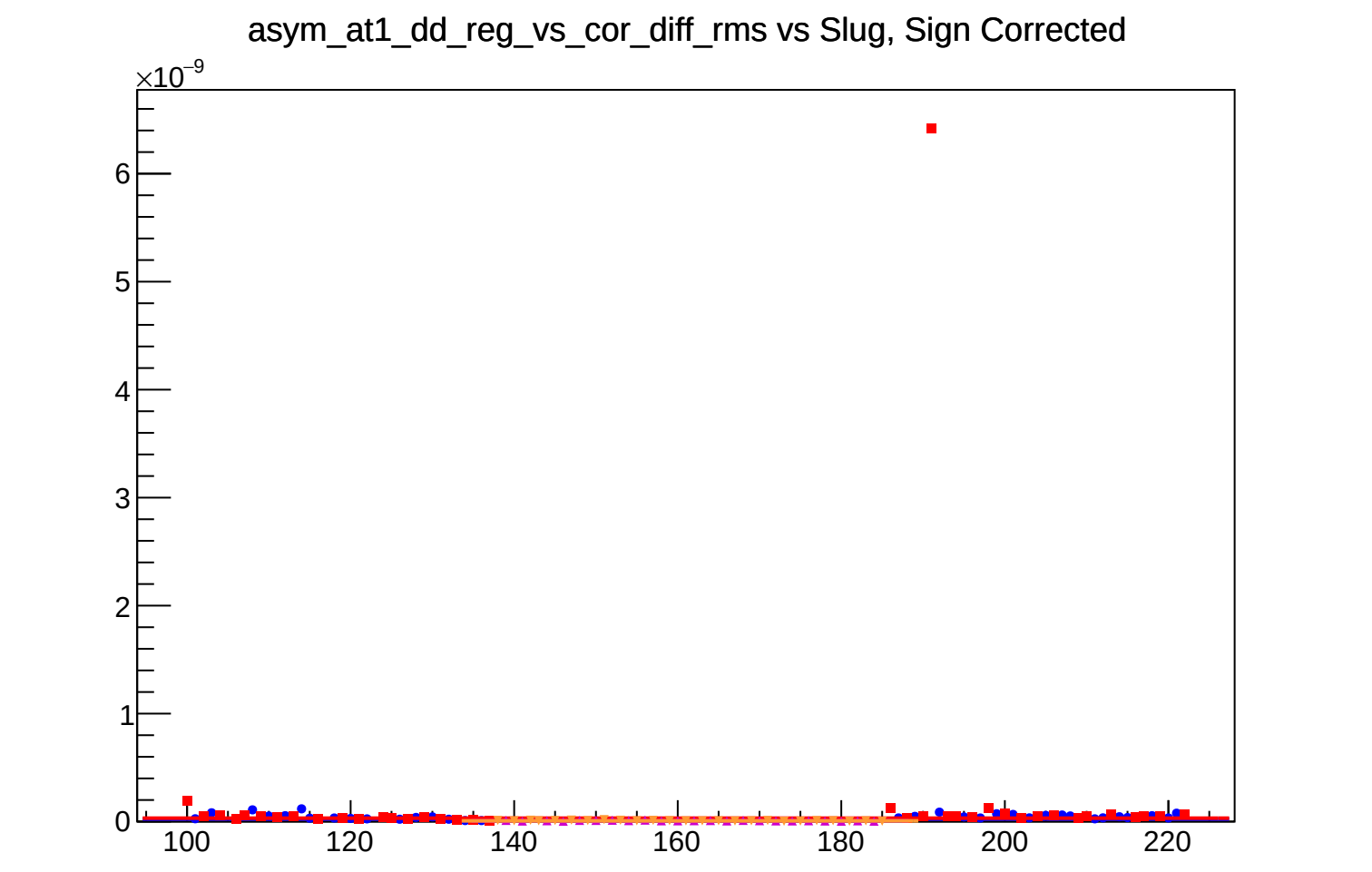
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 76.6/71

In: -0.000+/-0.000 χ^2/NDF:58.6/56

Out: 0.000+/-0.000 χ^2/NDF:78.5/62

All: -0.000+/-0.000 χ^2/NDF: 138.9/119



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: 4233236.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

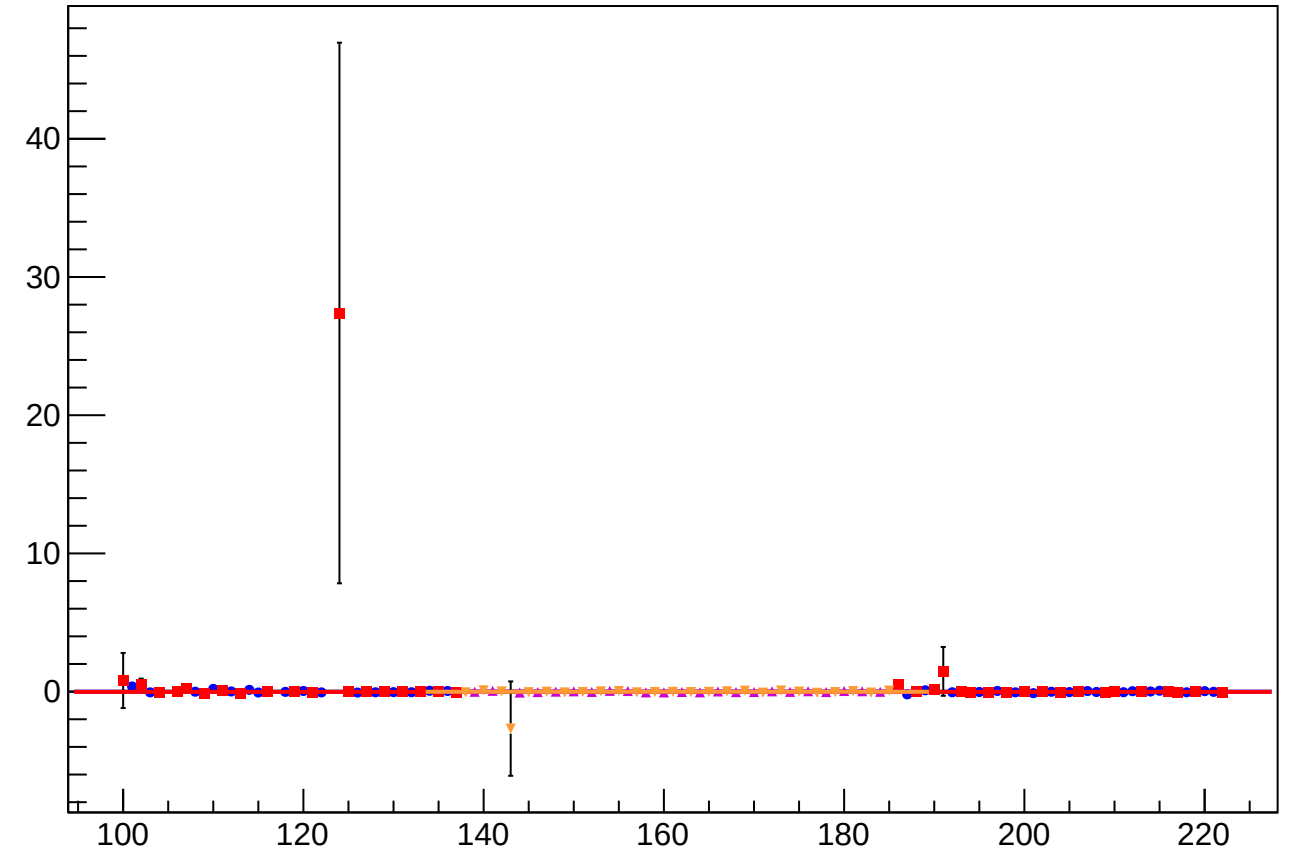
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10938656.5/71

In: 0.000+/-0.000 χ^2/NDF:12404797.6/56

Out: 0.000+/-0.000 χ^2/NDF:13388655.1/62

All: 0.000+/-0.000 χ^2/NDF: 25795042.0/119



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: -0.016+/-0.010 χ^2/NDF: 31.7/37

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

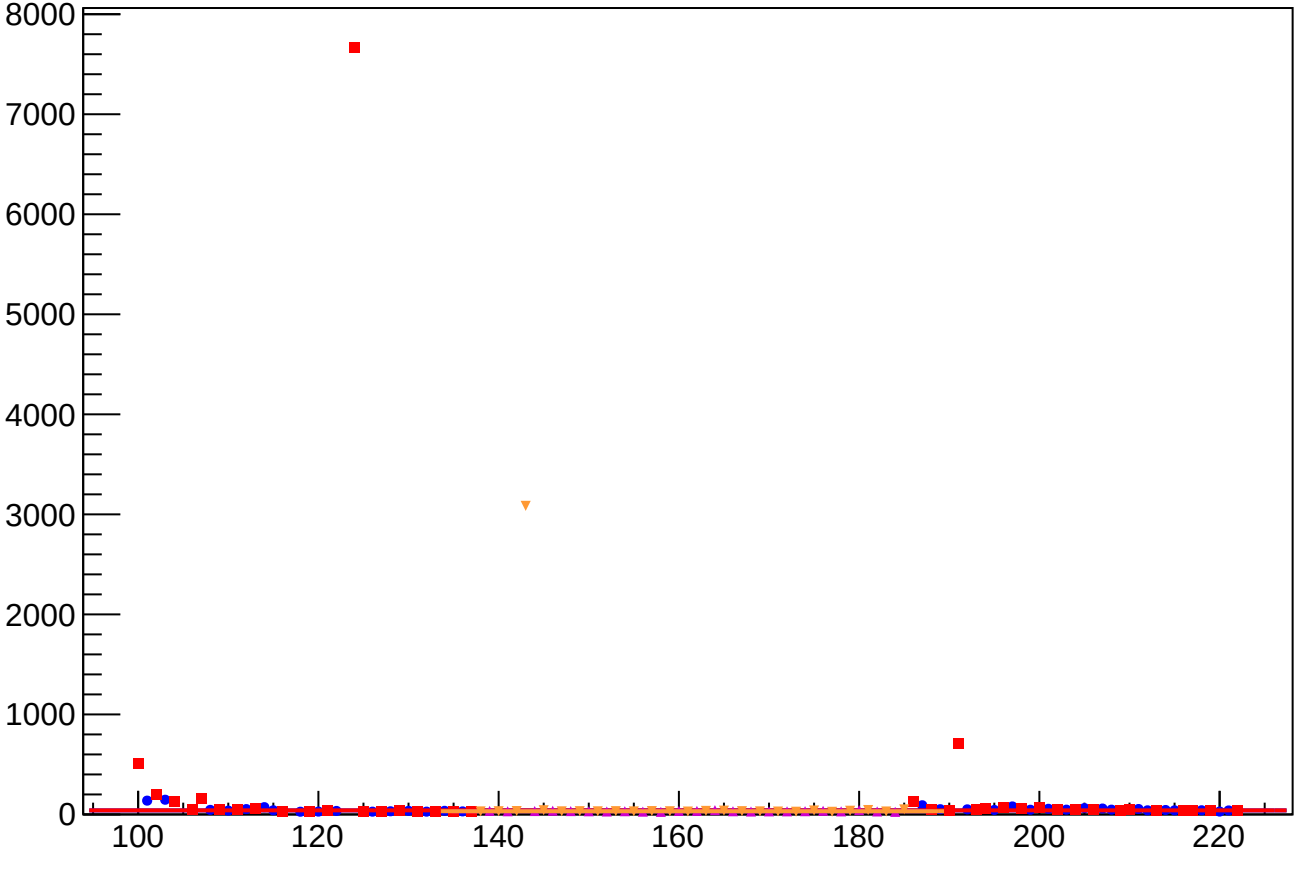
Right: -0.009+/-0.007 χ^2/NDF: 66.4/71

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/62

All: -0.007+/-0.004 χ^2/NDF: 127.1/119

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: 40.990+/-0.007 χ^2/NDF: 4364378.3/37

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

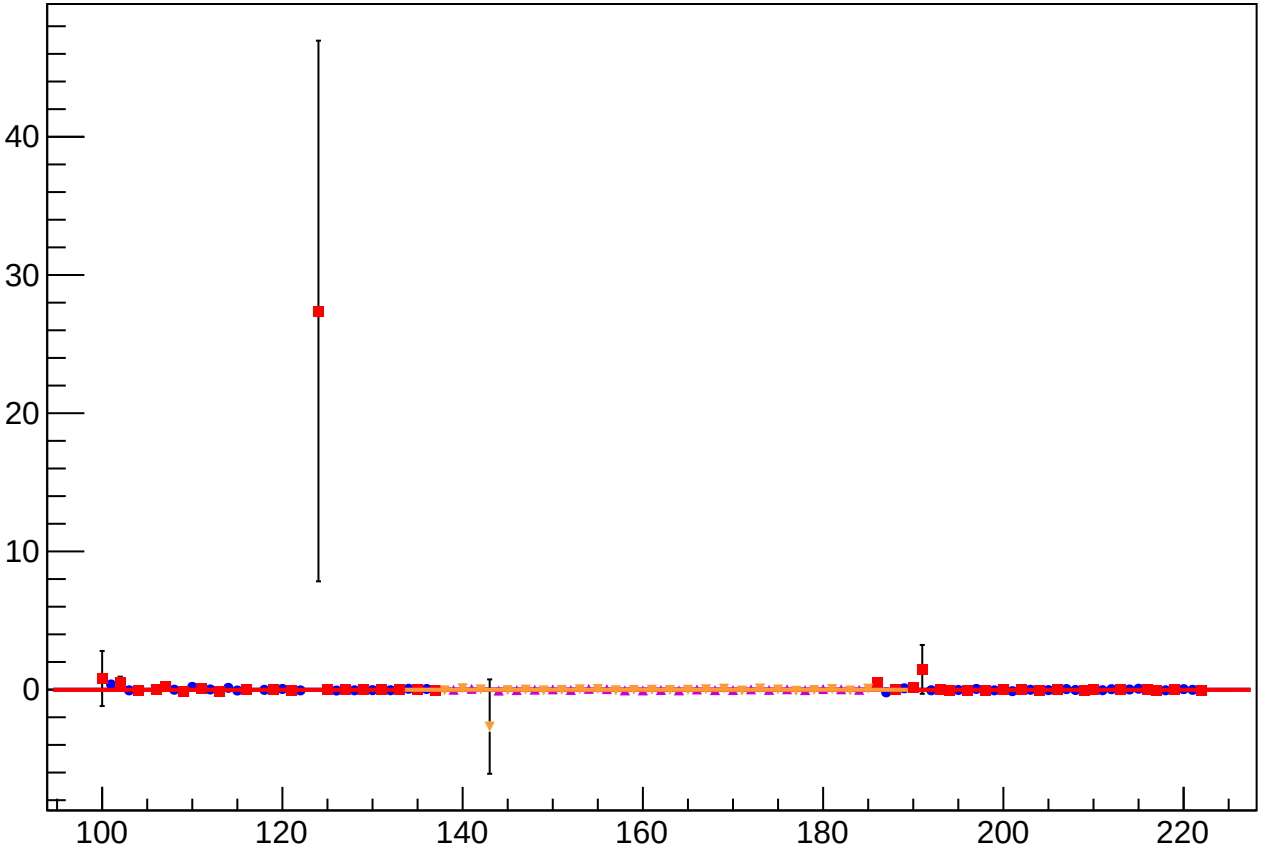
Right: 40.664+/-0.005 χ^2/NDF: 7958363.4/71

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.764+/-0.005 χ^2/NDF:7381900.9/62

All: 35.755+/-0.003 χ^2/NDF: 12166366.8/119

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: -0.016+/-0.010 χ^2/NDF: 31.7/37

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

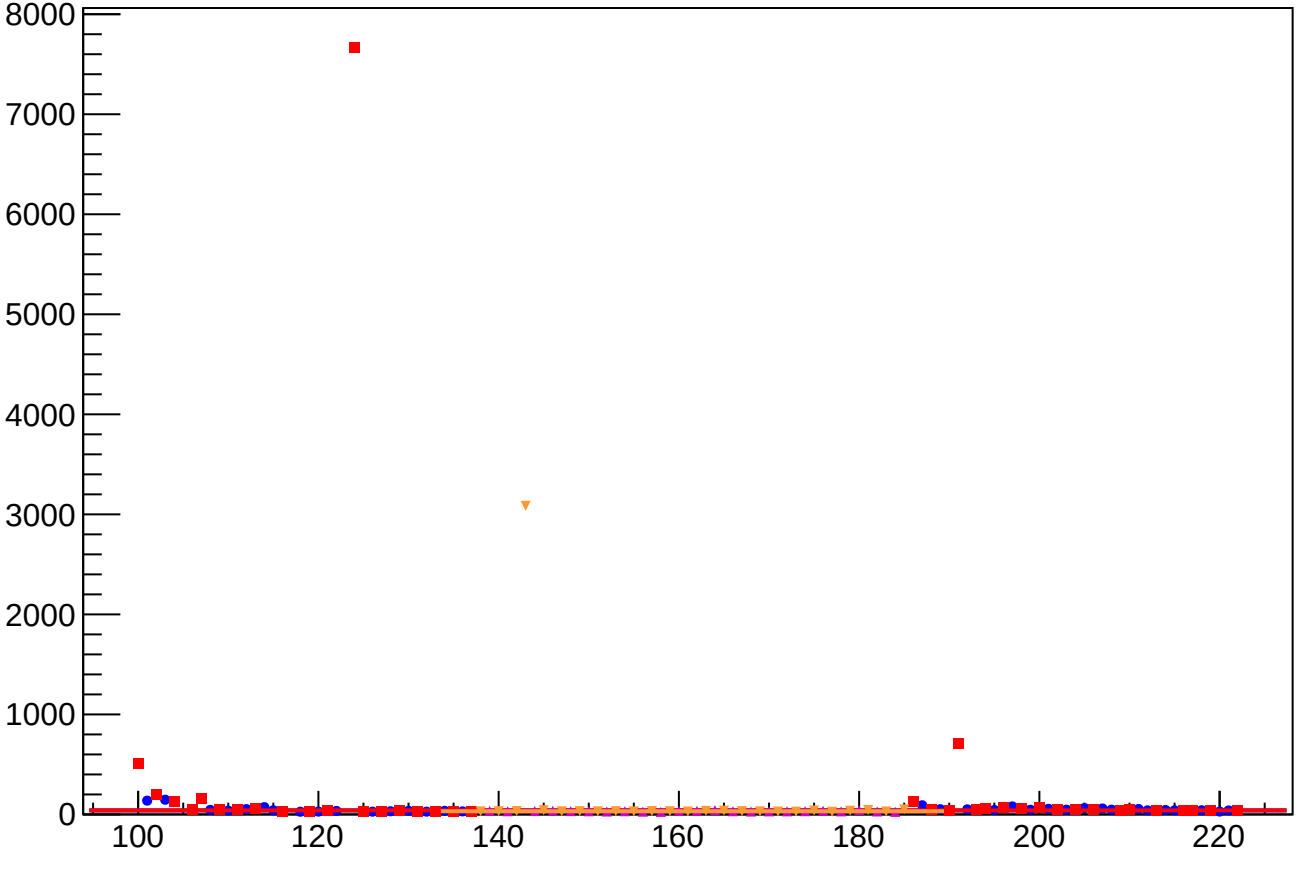
Right: -0.009+/-0.007 χ^2/NDF: 66.4/71

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/62

All: -0.007+/-0.004 χ^2/NDF: 127.1/119

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: 40.990+/-0.007 χ^2/NDF: 4364378.3/37

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

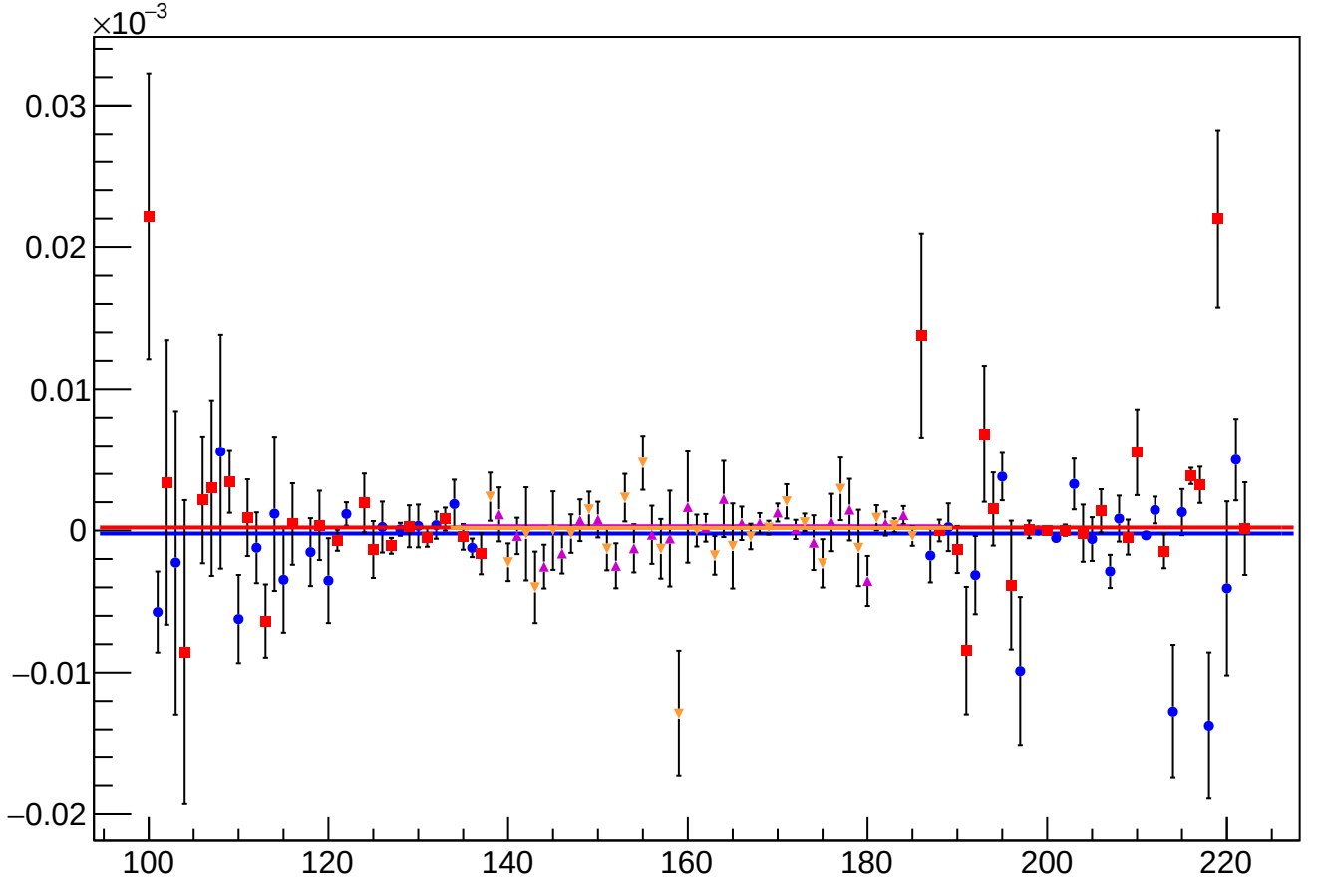
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.664+/-0.005 χ^2/NDF: 7958363.4/71

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.764+/-0.005 χ^2/NDF:7381900.9/62

All: 35.755+/-0.003 χ^2/NDF: 12166366.8/119



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: 102.7/37

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

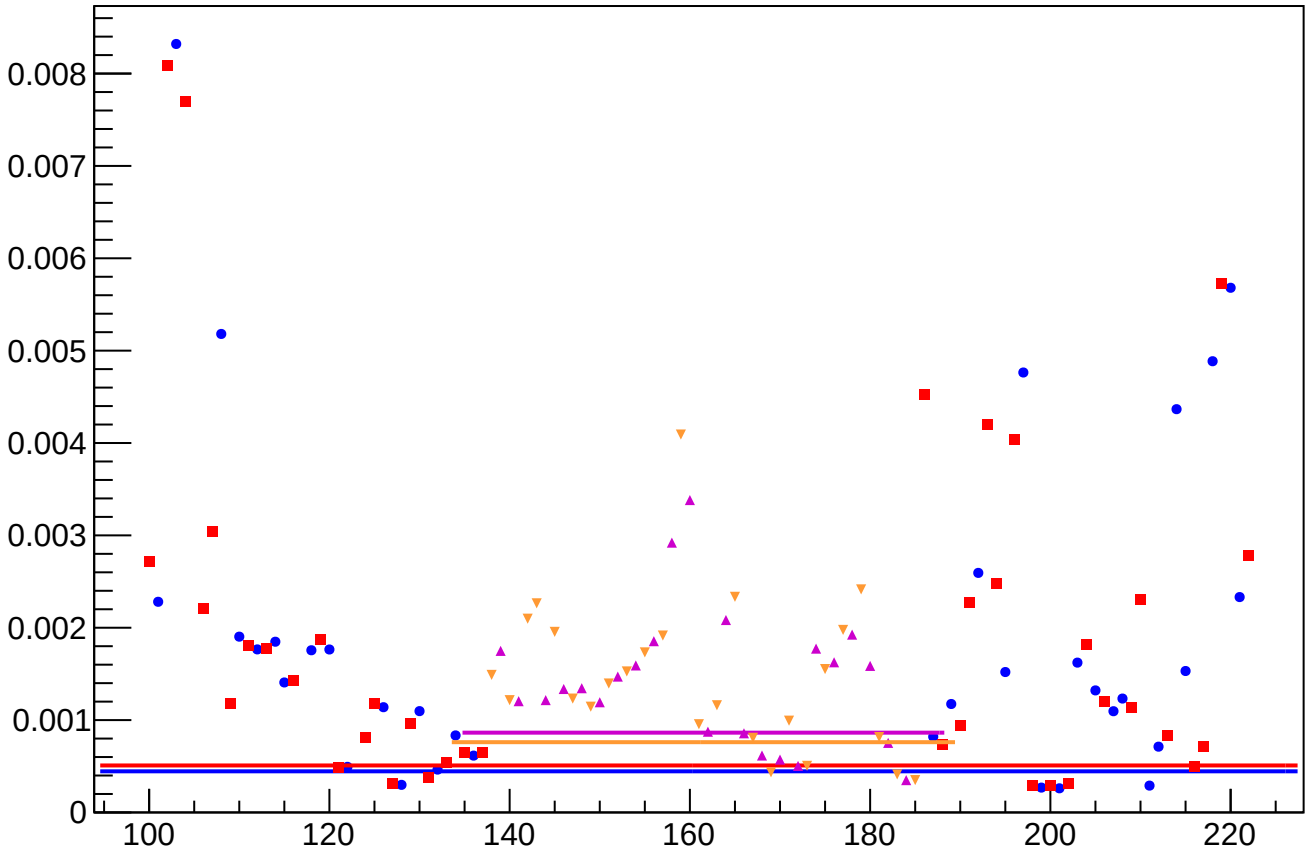
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

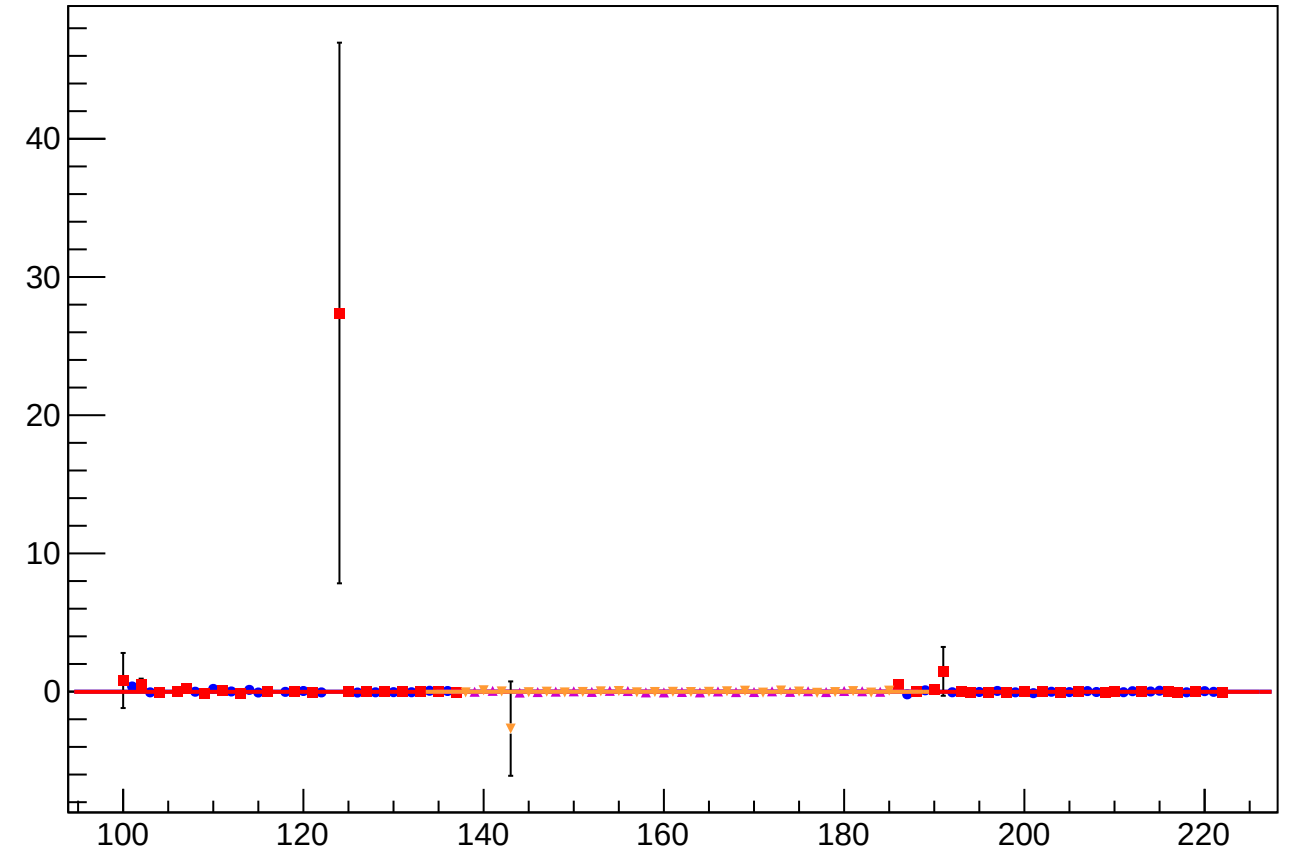
Right: -0.000+/-0.000 χ^2/NDF: 169.0/71

In: -0.000+/-0.000 χ^2/NDF:86.0/56

Out: 0.000+/-0.000 χ^2/NDF:140.2/62

All: 0.000+/-0.000 χ^2/NDF: 228.7/119


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 20654408.7/33
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 17157504.5/37
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
Left: 0.001+/-0.000 χ²/NDF: 19733433.3/47
Right: 0.000+/-0.000 χ²/NDF: 37990255.4/71
In: 0.001+/-0.000 χ²/NDF:33617441.1/56
Out: 0.001+/-0.000 χ²/NDF:30056236.9/62
All: 0.001+/-0.000 χ²/NDF: 63801294.2/119



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: -0.016+/-0.010 χ^2/NDF: 31.7/37

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

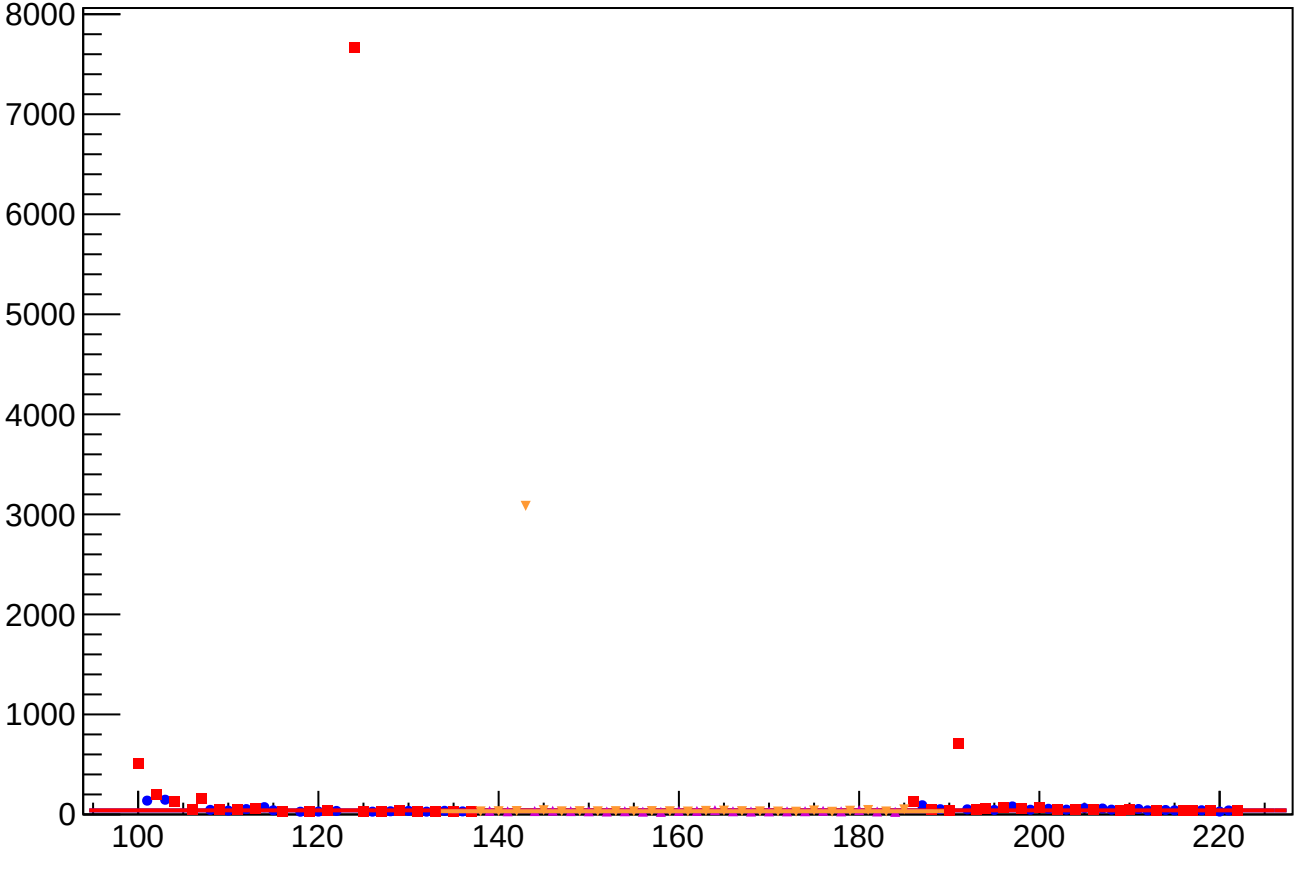
Right: -0.009+/-0.007 χ^2/NDF: 66.4/71

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/62

All: -0.007+/-0.004 χ^2/NDF: 127.1/119

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: 40.990+/-0.007 χ^2/NDF: 4364395.9/37

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

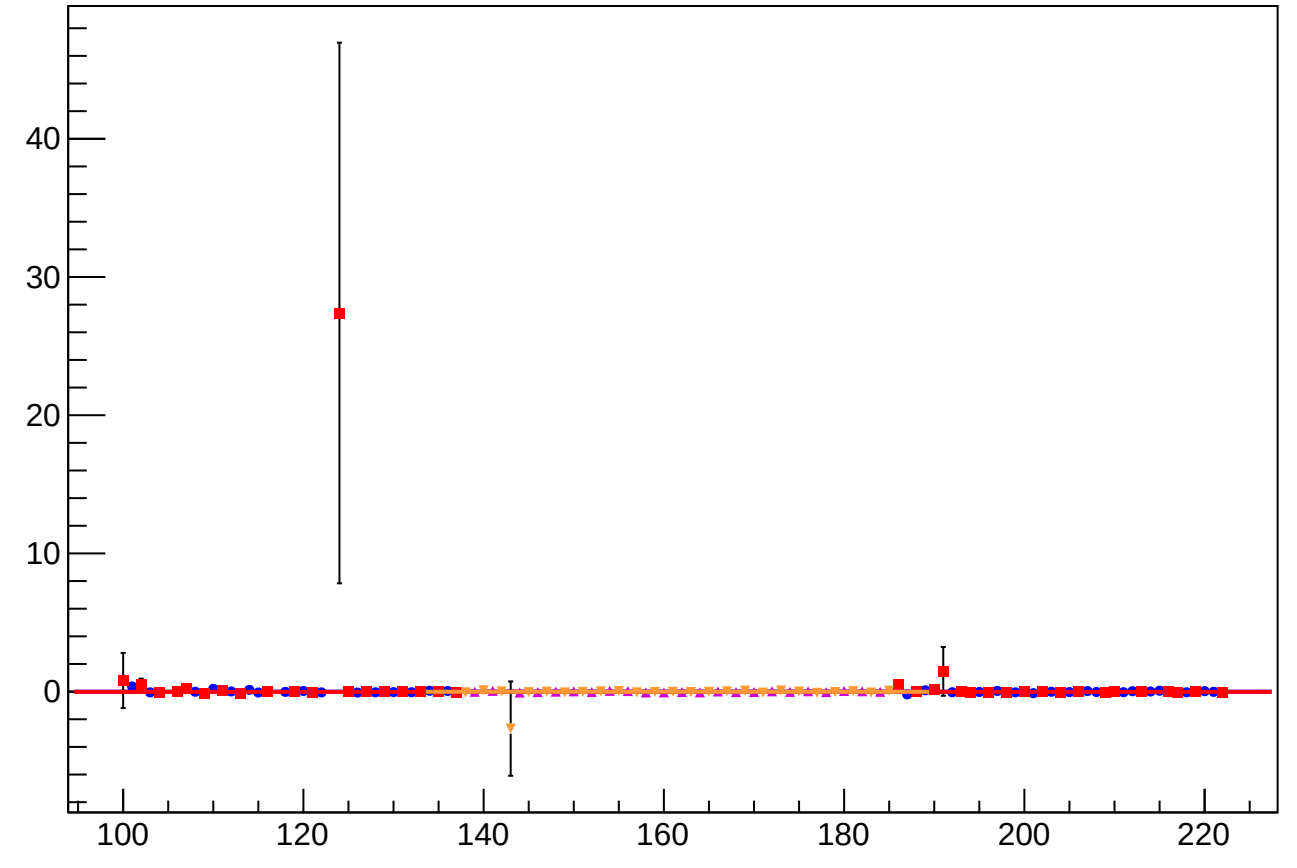
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.664+/-0.005 χ^2/NDF: 7958236.7/71

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.764+/-0.005 χ^2/NDF:7381961.3/62

All: 35.755+/-0.003 χ^2/NDF: 12166226.9/119



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: -0.016+/-0.010 χ^2/NDF: 31.7/37

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

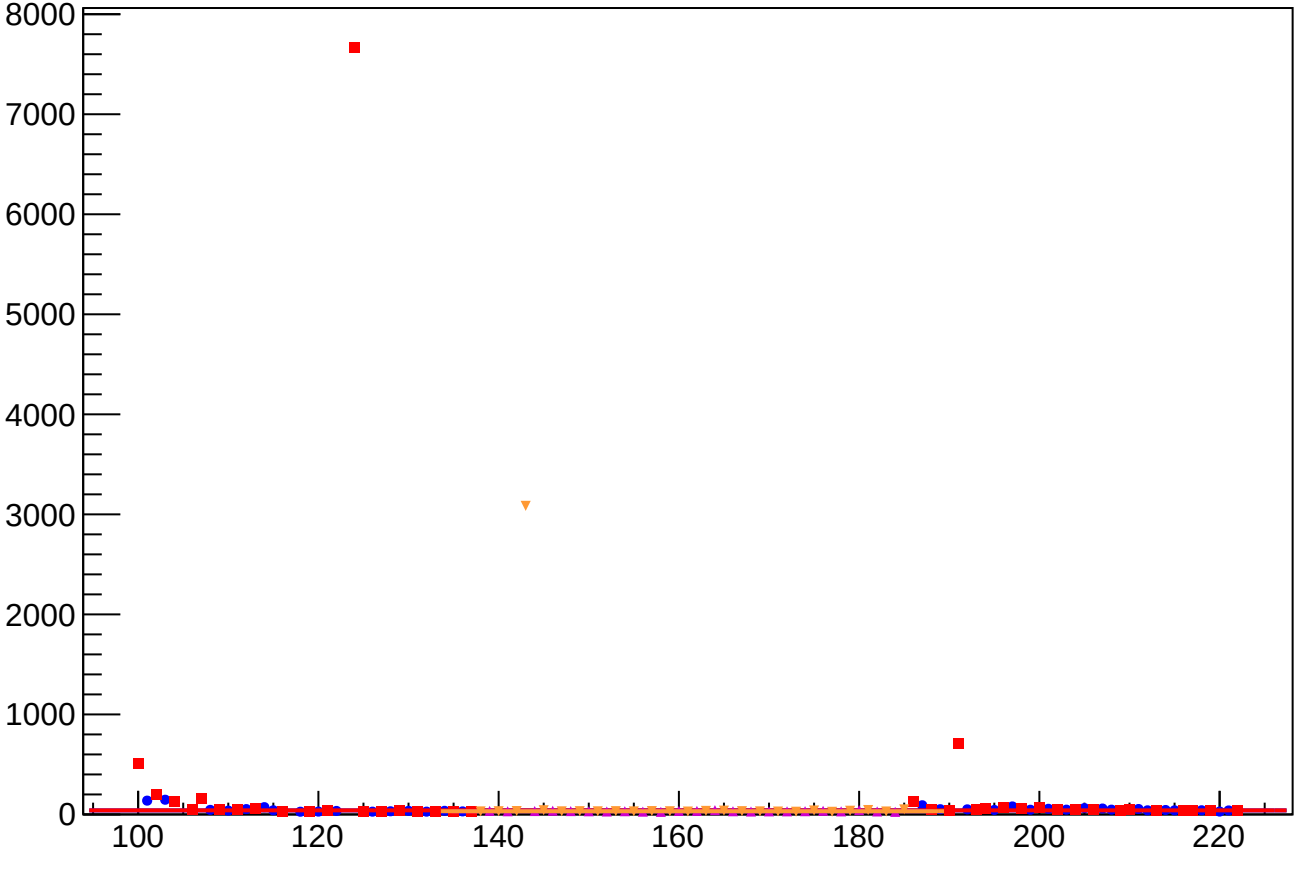
Right: -0.009+/-0.007 χ^2/NDF: 66.4/71

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/62

All: -0.007+/-0.004 χ^2/NDF: 127.1/119

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: 40.990+/-0.007 χ^2/NDF: 4364395.9/37

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

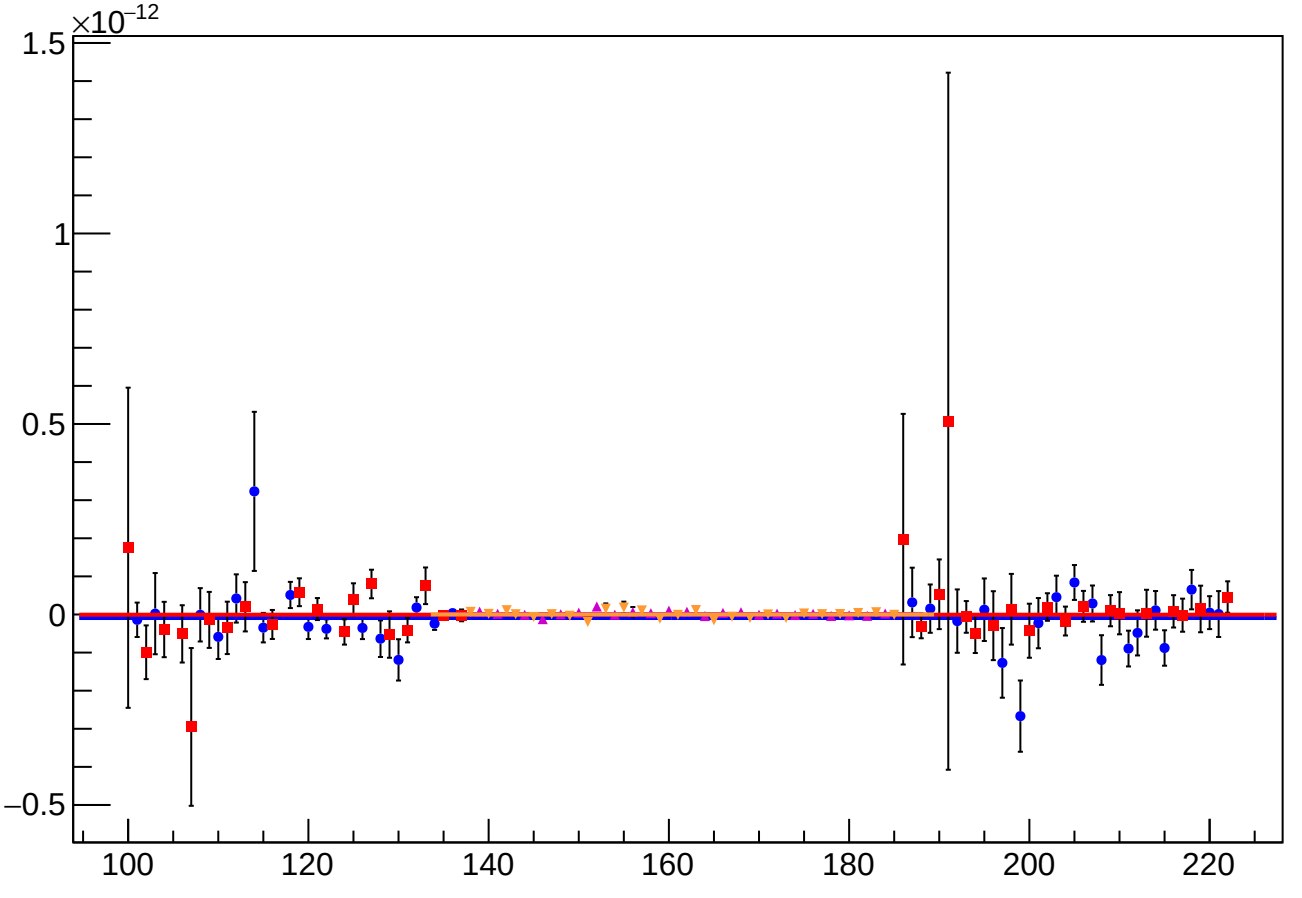
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.664+/-0.005 χ^2/NDF: 7958236.7/71

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.764+/-0.005 χ^2/NDF:7381961.3/62

All: 35.755+/-0.003 χ^2/NDF: 12166226.9/119



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: 26.7/37

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

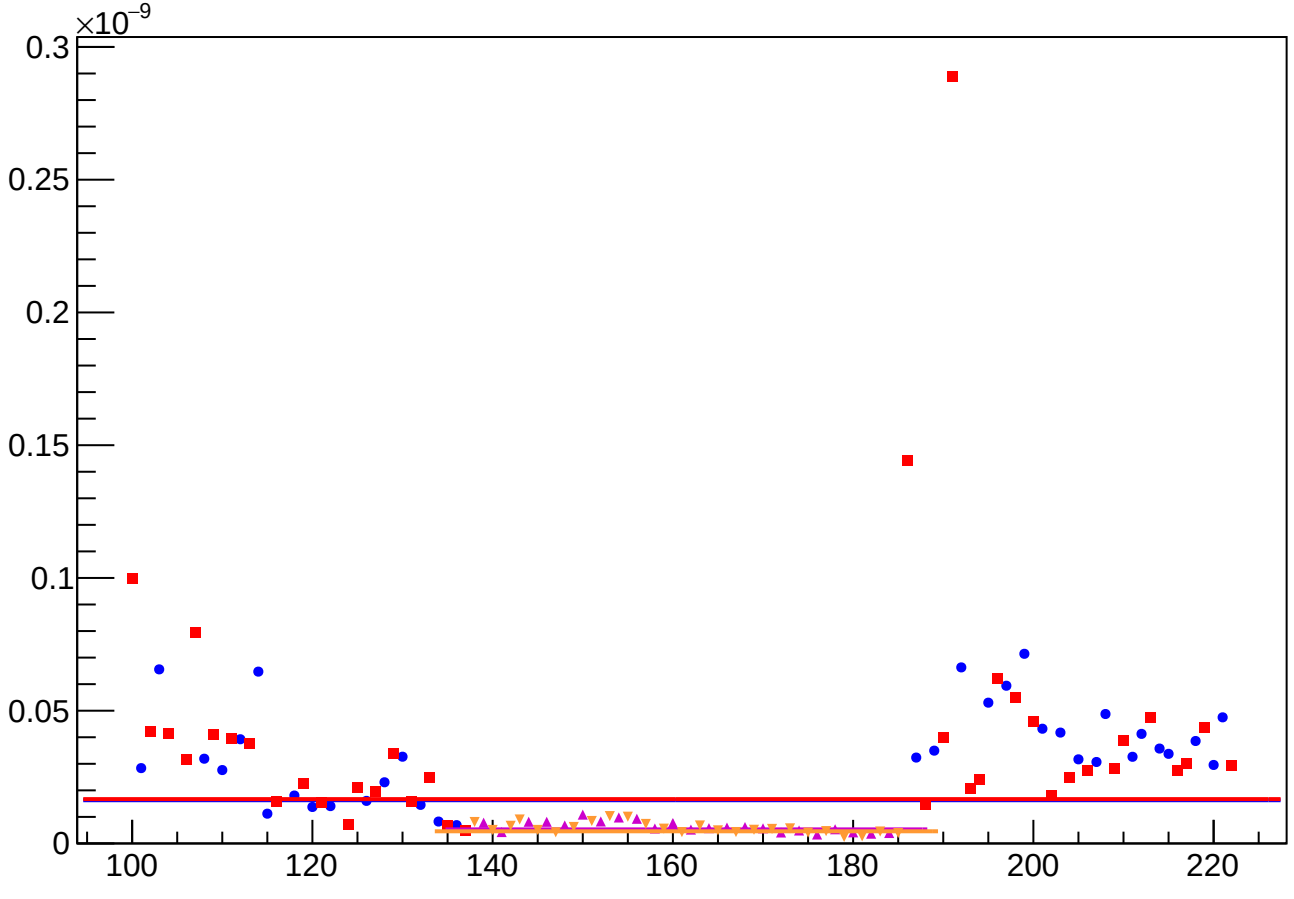
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 74.0/71

In: 0.000+/-0.000 χ^2/NDF:58.3/56

Out: 0.000+/-0.000 χ^2/NDF:47.8/62

All: 0.000+/-0.000 χ^2/NDF: 106.1/119



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: 8502999.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

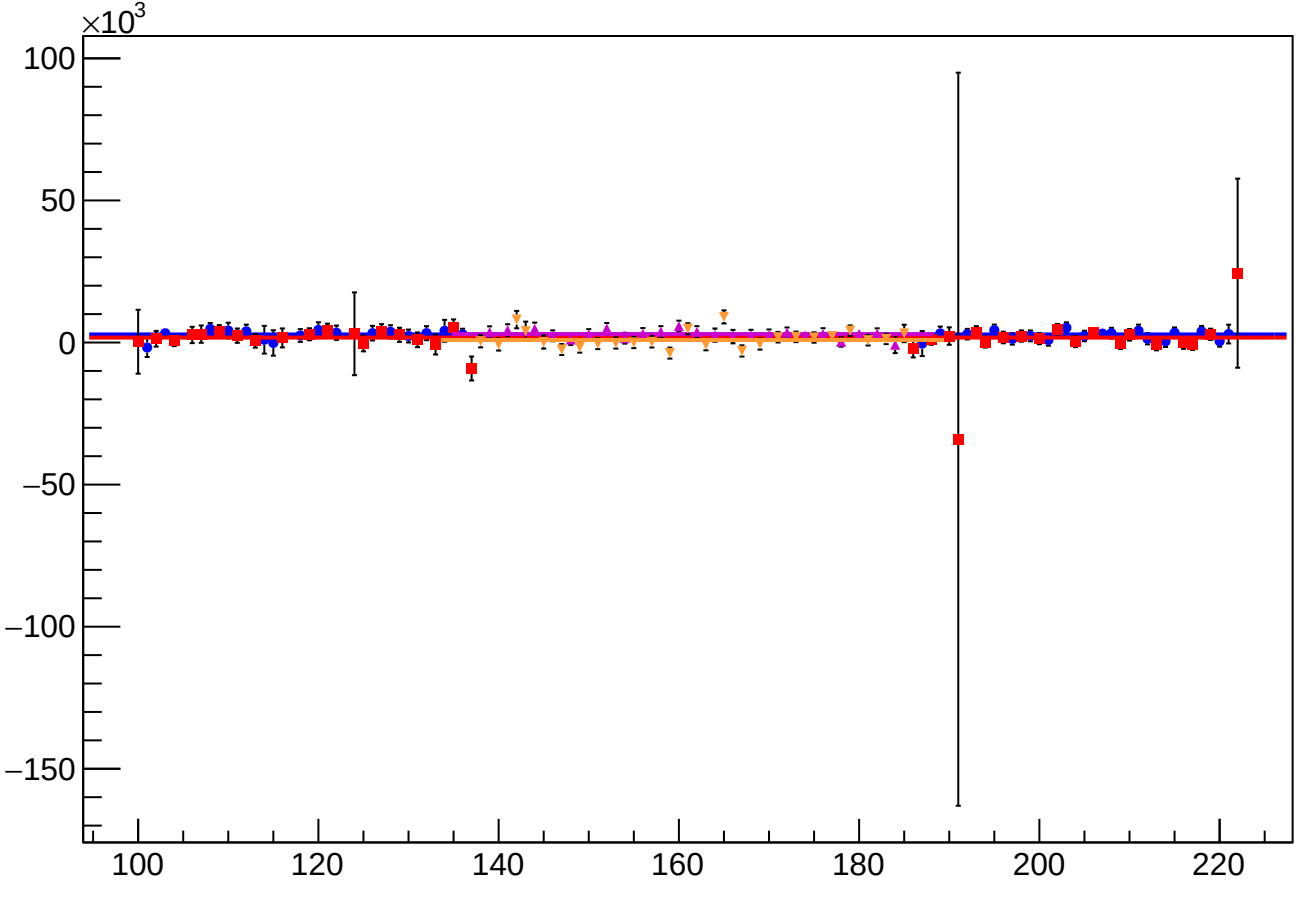
Right: 0.000+/-0.000 χ^2/NDF: 18937772.4/71

In: 0.000+/-0.000 χ^2/NDF:19326490.6/56

Out: 0.000+/-0.000 χ^2/NDF:18770082.7/62

All: 0.000+/-0.000 χ^2/NDF: 38436155.7/119

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: 1735.963+/-384.619 χ^2/NDF: 28.1/37

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

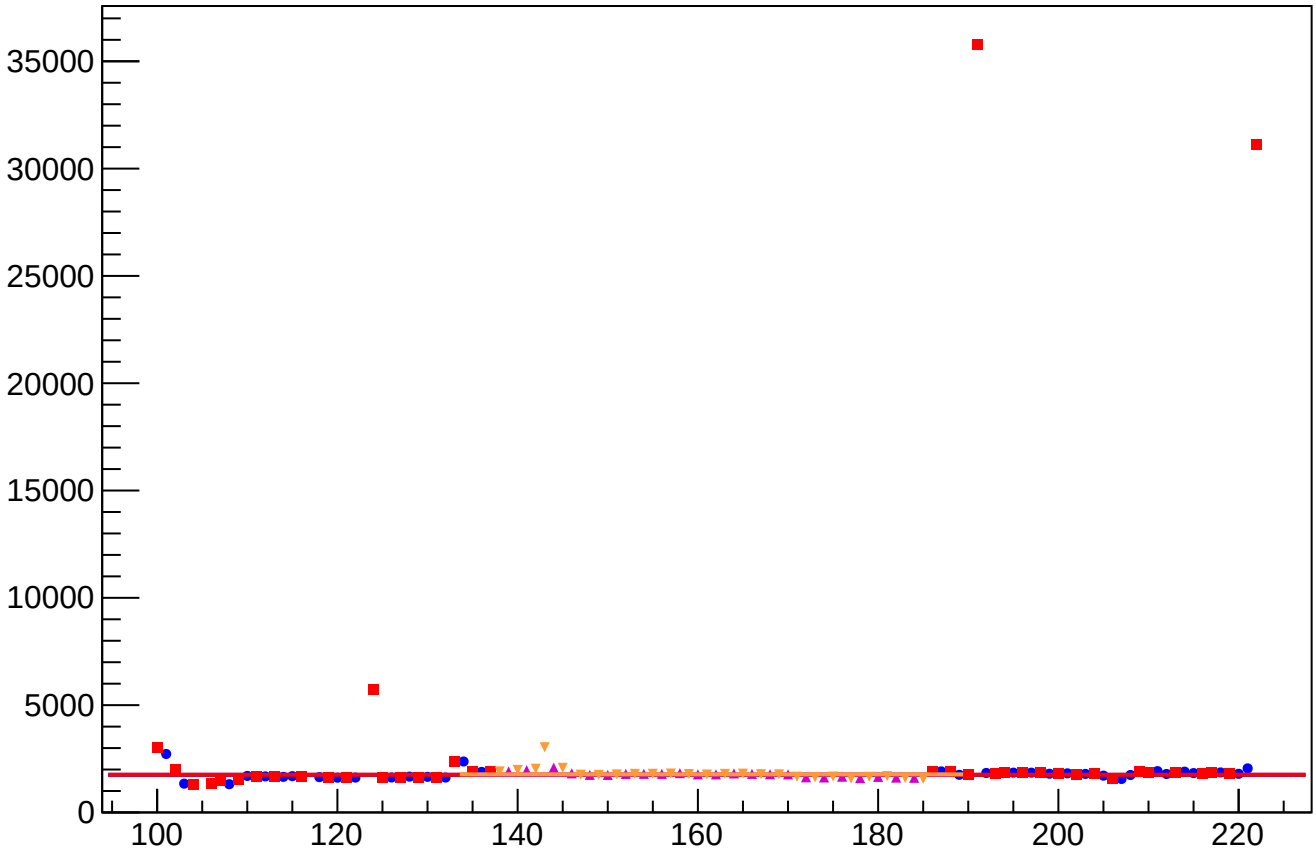
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2294.767+/-270.688 χ^2/NDF: 45.5/71

In: 2889.321+/-279.758 χ^2/NDF:23.8/56

Out: 1339.590+/-279.070 χ^2/NDF:75.6/62

All: 2112.547+/-197.575 χ^2/NDF: 114.8/119



Right In: 1751.942+/-0.269 χ^2/NDF: 558903.5/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1757.174+/-0.272 χ^2/NDF: 2295103.3/37

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

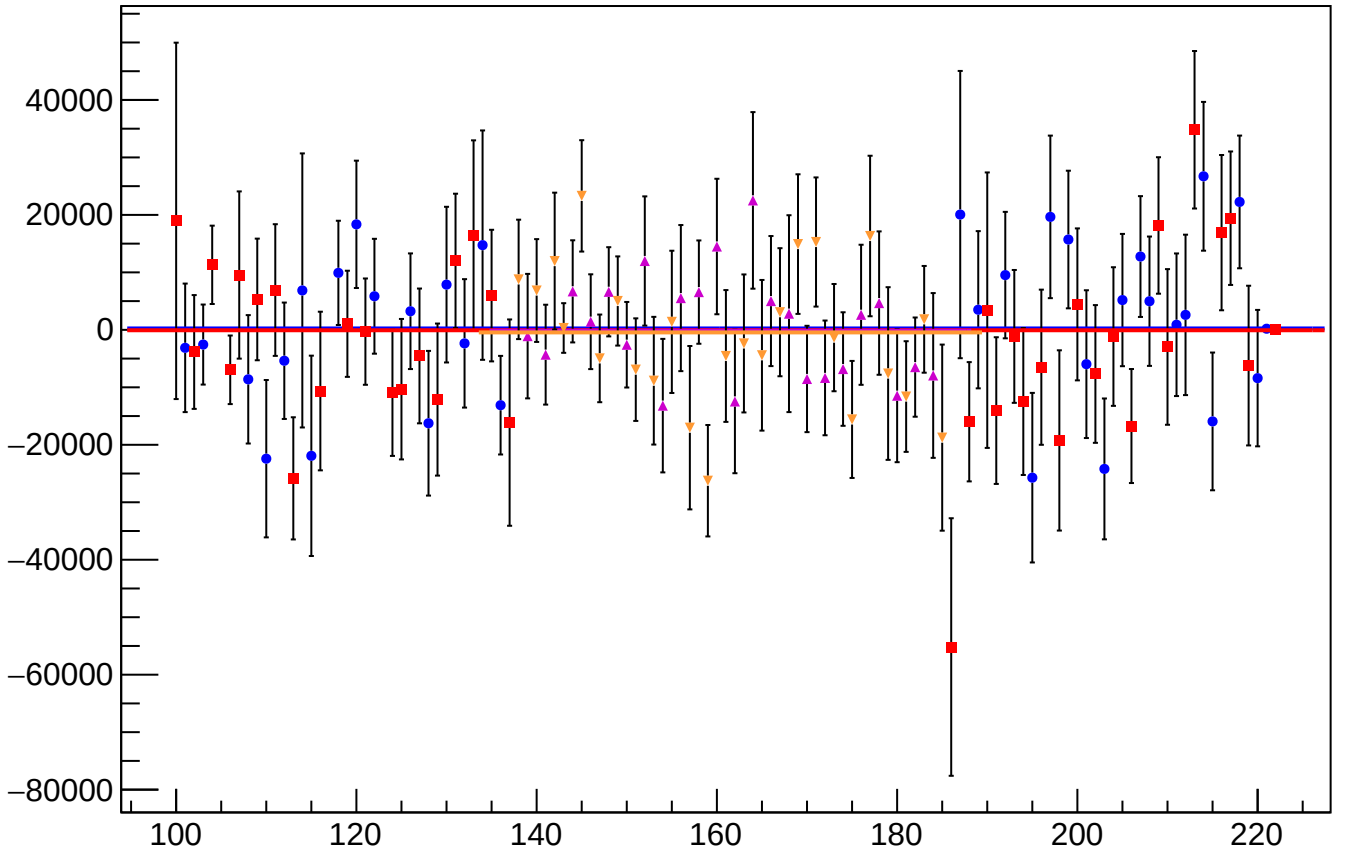
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1754.534+/-0.191 χ^2/NDF: 2854193.5/71

In: 1756.158+/-0.198 χ^2/NDF:705701.2/56

Out: 1765.488+/-0.197 χ^2/NDF:2743972.4/62

All: 1760.834+/-0.140 χ^2/NDF: 3450788.6/11



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: -68.984+/-587.376 χ^2/NDF: 47.2/37

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

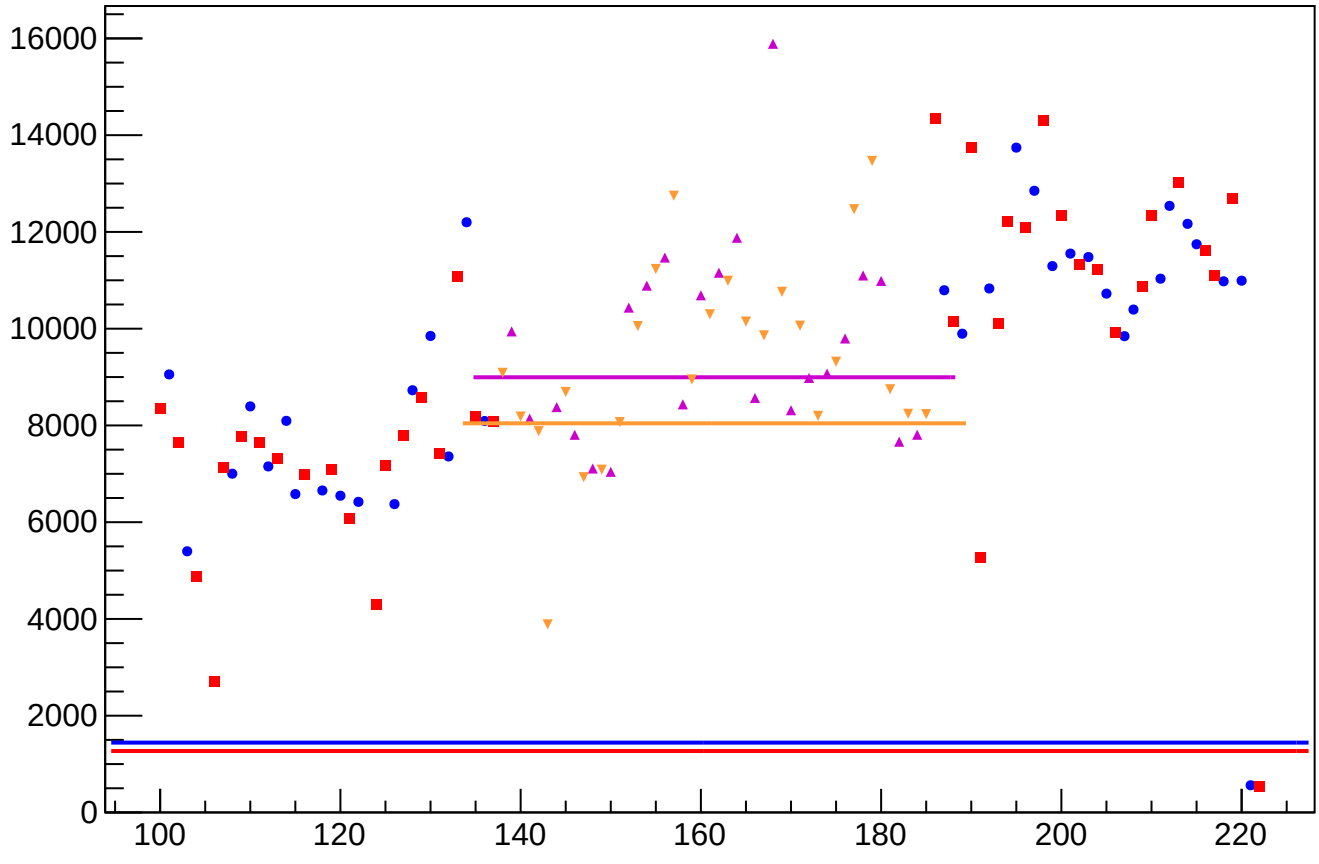
Right: 68.765+/-438.075 χ^2/NDF: 86.4/71

In: 207.304+/-628.698 χ^2/NDF:52.9/56

Out: -100.852+/-561.820 χ^2/NDF:76.7/62

All: 35.970+/-418.923 χ^2/NDF: 129.8/119

asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1443.671+/-0.465 χ^2/NDF: 33552776.4/33

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 1270.167+/-0.415 χ^2/NDF: 34516255.9/37

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

Left: 8468.911+/-1.013 χ^2/NDF: 4788197.5/47

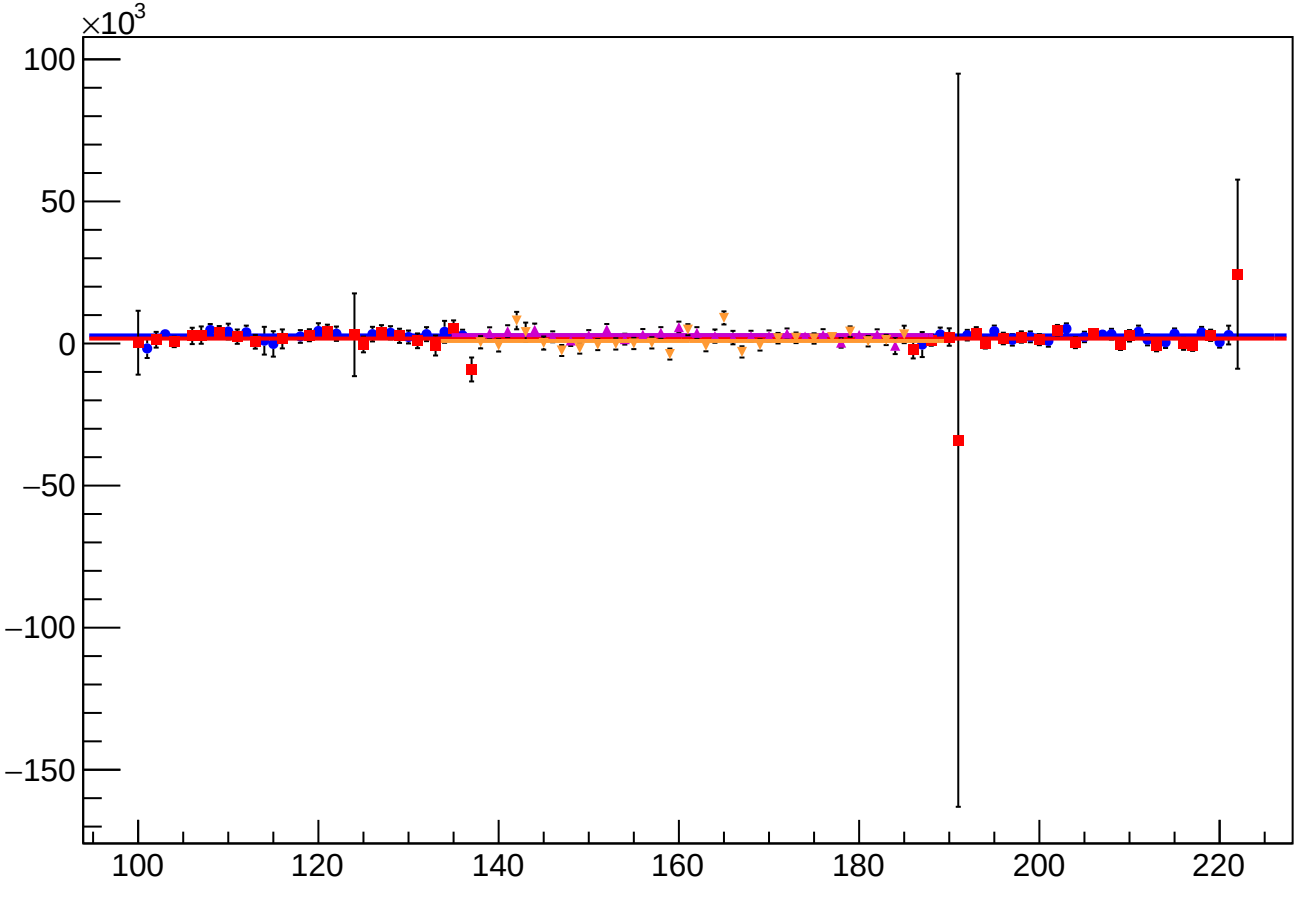
Right: 1347.161+/-0.310 χ^2/NDF: 68146472.1/71

In: 2093.354+/-0.445 χ^2/NDF:57450147.1/56

Out: 1846.779+/-0.397 χ^2/NDF:60520587.2/62

All: 1956.259+/-0.296 χ^2/NDF: 118141781.5

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: 1735.936+/-384.619 χ^2/NDF: 28.1/37

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

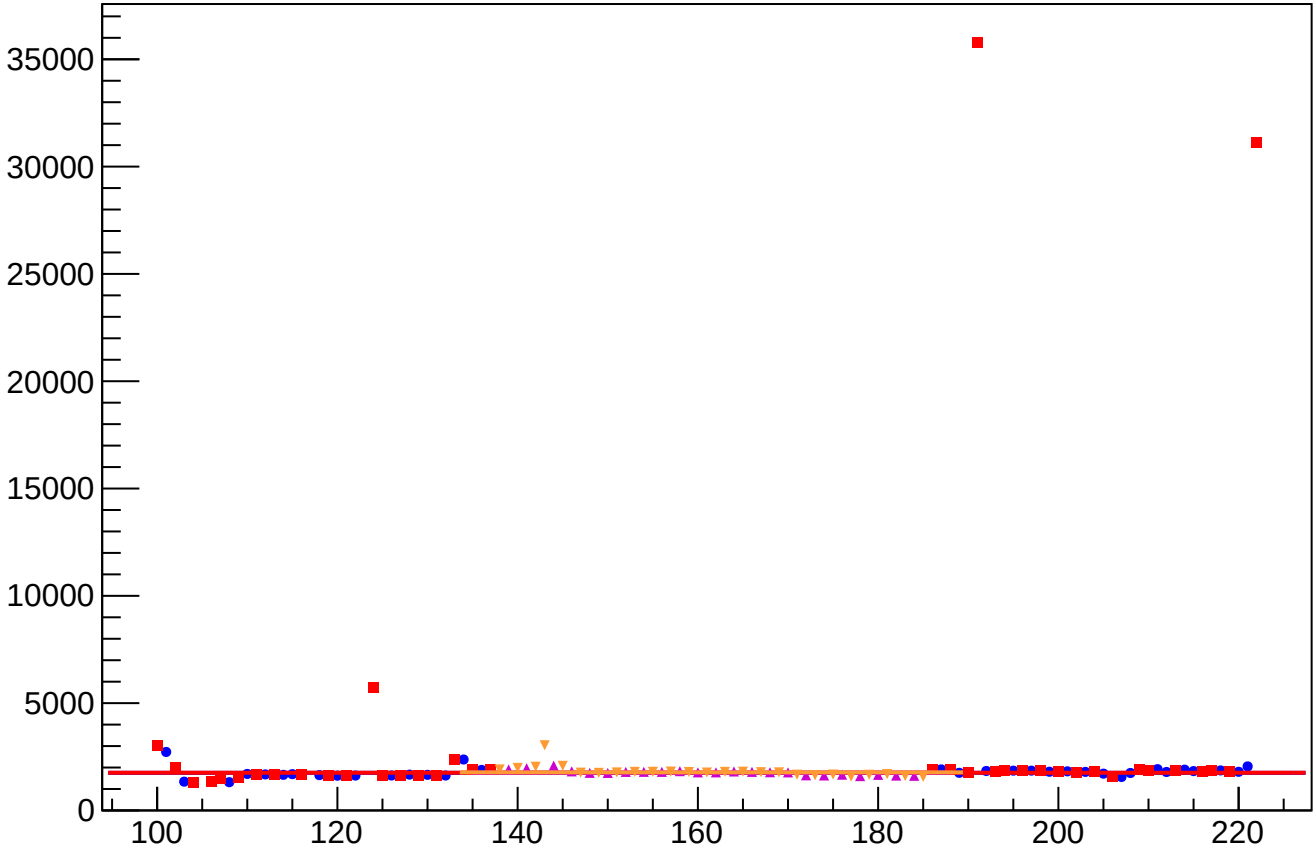
Right: 2294.761+/-270.688 χ^2/NDF: 45.5/71

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1339.537+/-279.070 χ^2/NDF:75.6/62

All: 2112.499+/-197.575 χ^2/NDF: 114.8/119

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1751.942+/-0.269 χ^2/NDF: 558904.0/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1757.174+/-0.272 χ^2/NDF: 2295103.5/37

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

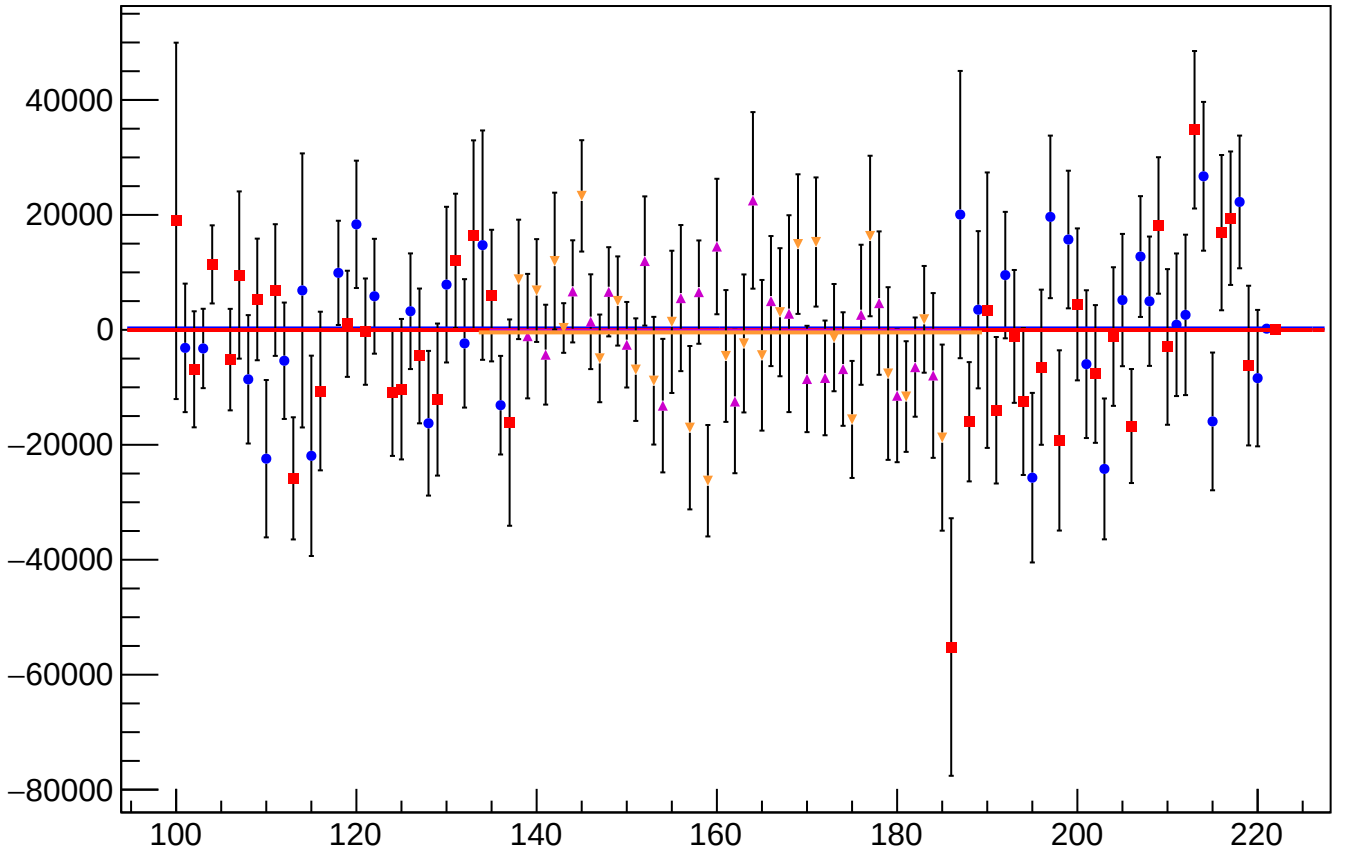
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1754.534+/-0.191 χ^2/NDF: 2854194.3/71

In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

Out: 1765.488+/-0.197 χ^2/NDF:2743972.7/62

All: 1760.834+/-0.140 χ^2/NDF: 3450789.3/11



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -27.060+/-589.301 χ^2/NDF: 46.6/37

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

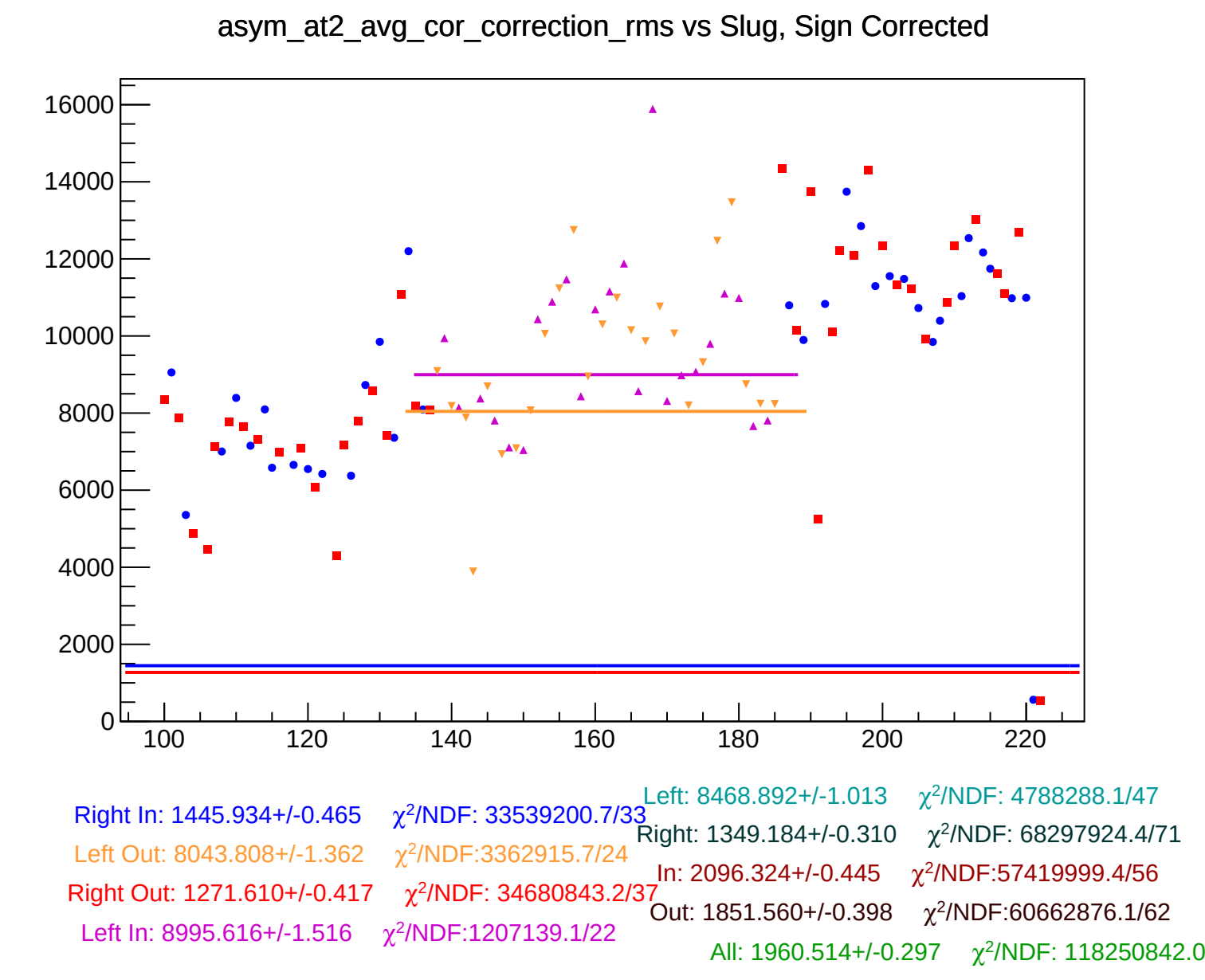
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

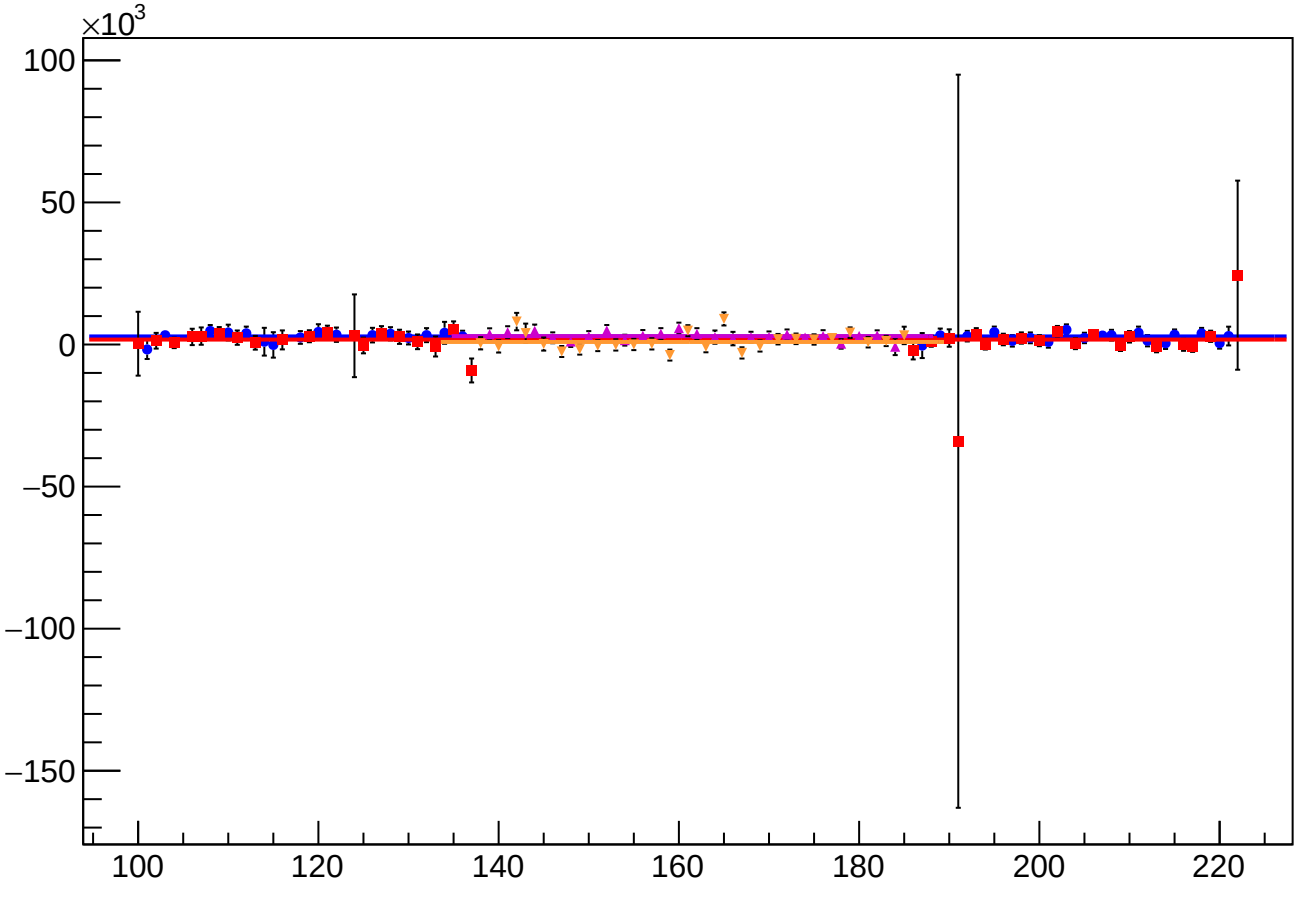
Right: 93.516+/-439.020 χ^2/NDF: 85.9/71

In: 209.513+/-629.134 χ^2/NDF:53.0/56

Out: -62.713+/-563.504 χ^2/NDF:76.1/62

All: 58.465+/-419.749 χ^2/NDF: 129.2/119


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: 1271.610+/-0.417 χ²/NDF: 34680843.2/37
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 1349.184+/-0.310 χ²/NDF: 68297924.4/71
In: 2096.324+/-0.445 χ²/NDF:57419999.4/56
Out: 1851.560+/-0.398 χ²/NDF:60662876.1/62
All: 1960.514+/-0.297 χ²/NDF: 118250842.0



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: 1735.936+/-384.619 χ^2/NDF: 28.1/37

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

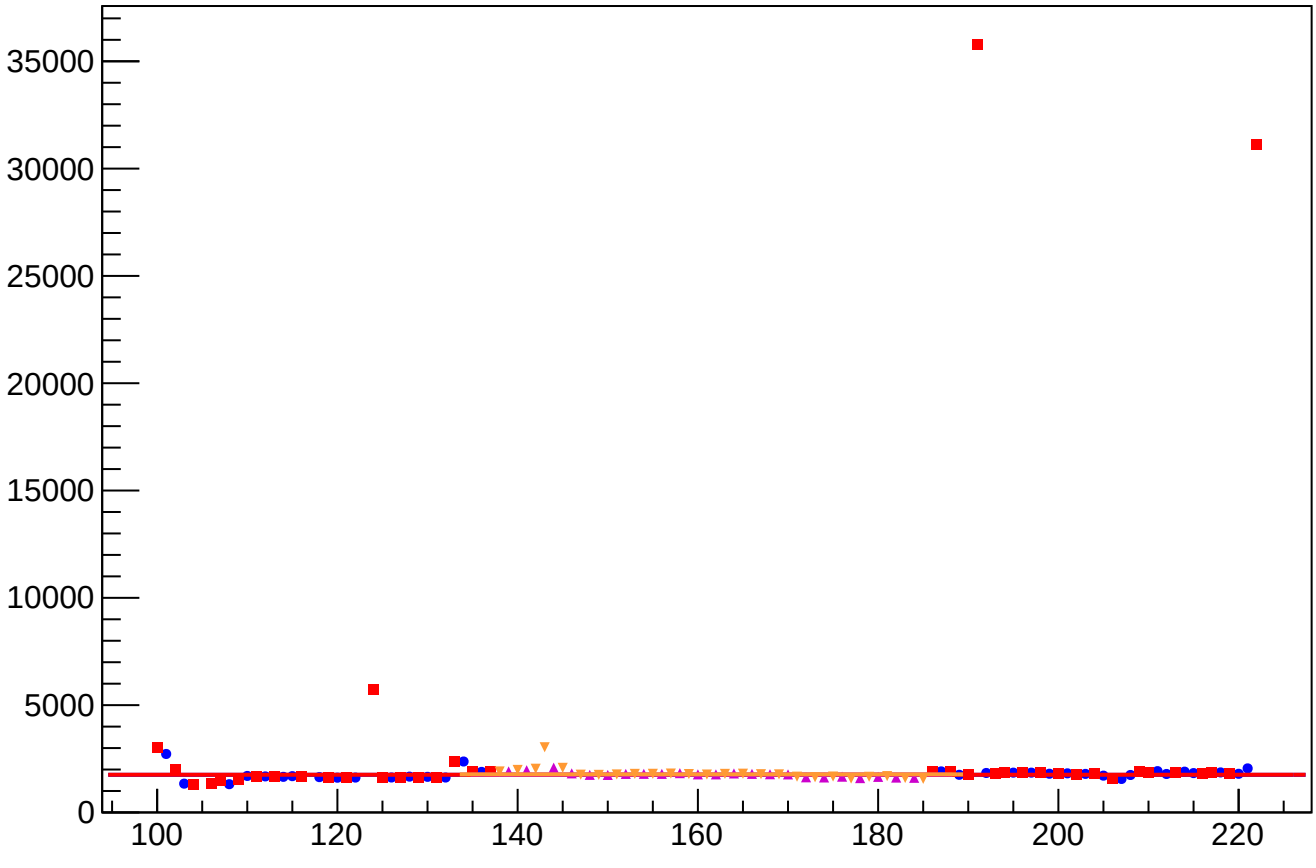
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2294.761+/-270.688 χ^2/NDF: 45.5/71

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1339.537+/-279.070 χ^2/NDF:75.6/62

All: 2112.499+/-197.575 χ^2/NDF: 114.8/119



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: 1757.174+/-0.272 χ^2/NDF: 2295103.5/37

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

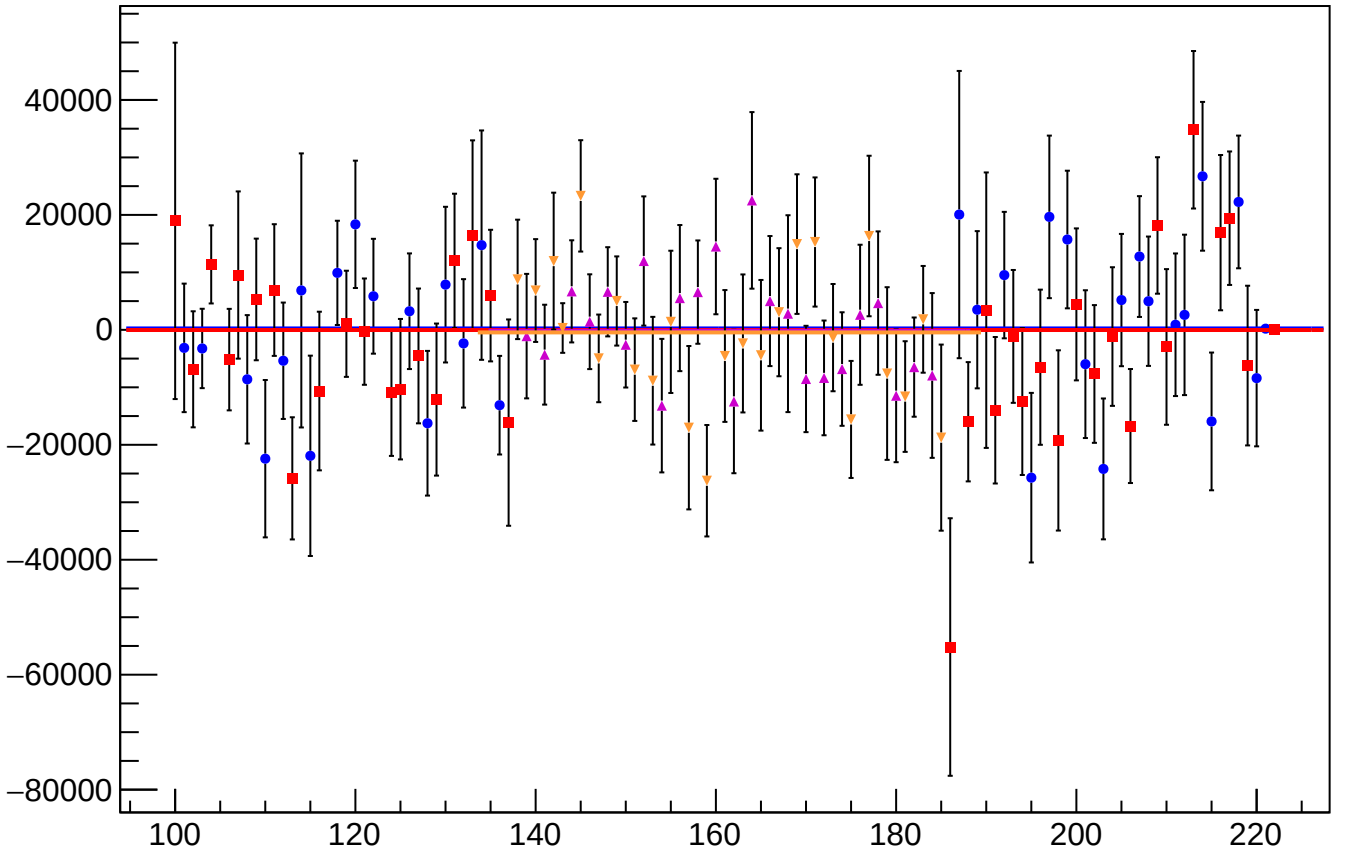
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1754.534+/-0.191 χ^2/NDF: 2854194.3/71

In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

Out: 1765.488+/-0.197 χ^2/NDF:2743972.7/62

All: 1760.834+/-0.140 χ^2/NDF: 3450789.3/11



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -27.060+/-589.301 χ^2/NDF: 46.6/37

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

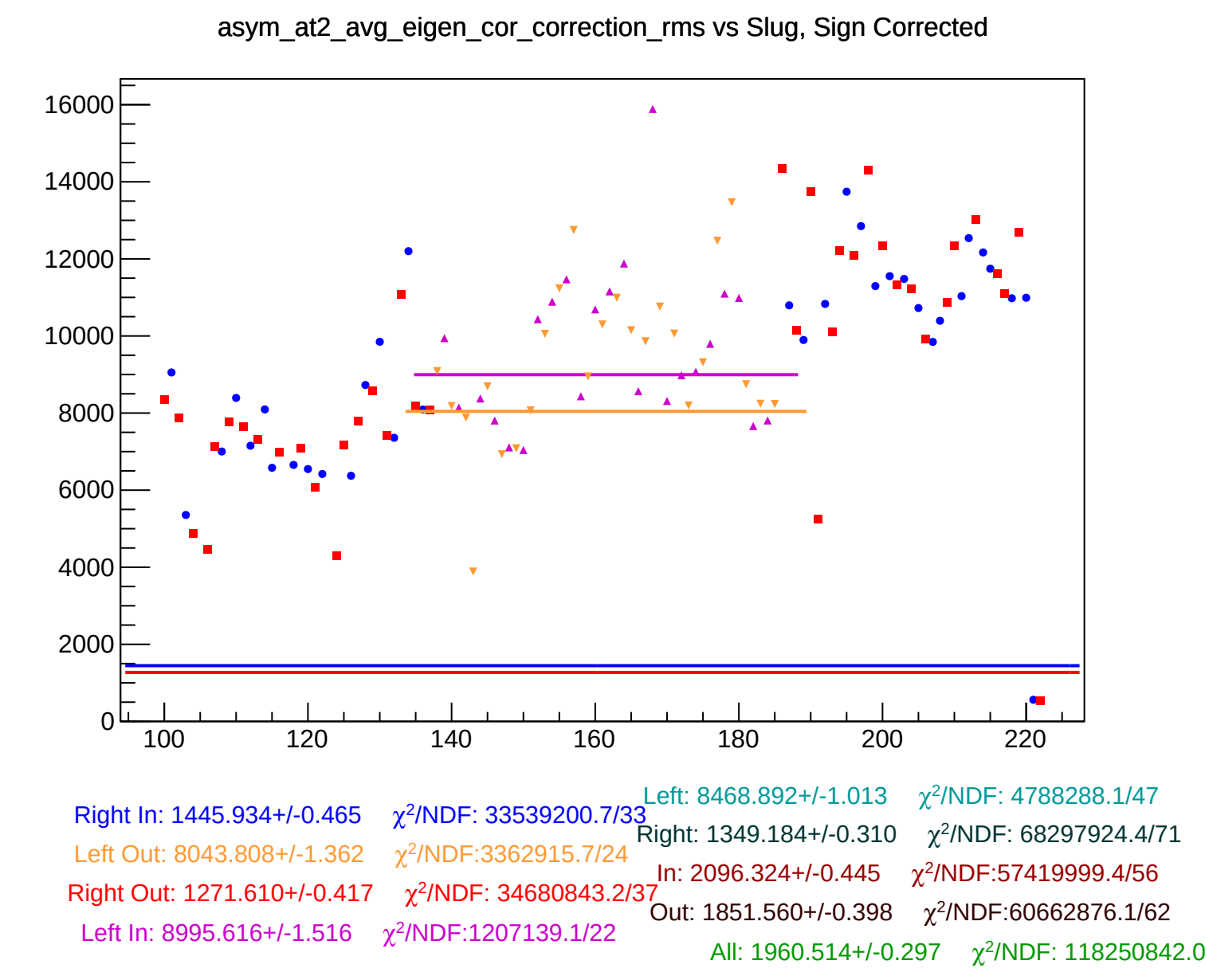
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

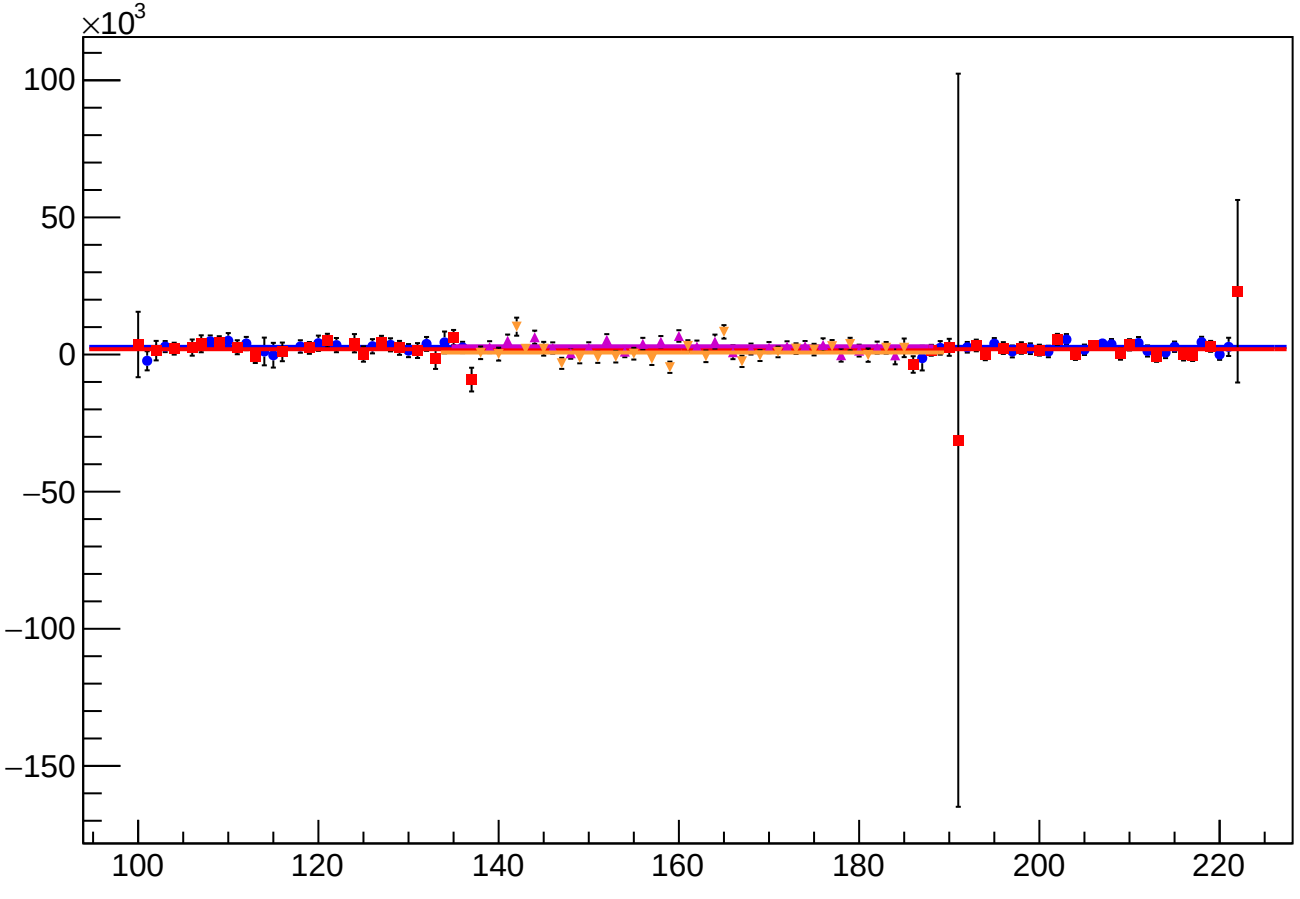
Right: 93.516+/-439.020 χ^2/NDF: 85.9/71

In: 209.513+/-629.134 χ^2/NDF:53.0/56

Out: -62.713+/-563.504 χ^2/NDF:76.1/62

All: 58.465+/-419.749 χ^2/NDF: 129.2/119


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: 1271.610+/-0.417 χ²/NDF: 34680843.2/37
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 1349.184+/-0.310 χ²/NDF: 68297924.4/71
In: 2096.324+/-0.445 χ²/NDF:57419999.4/56
Out: 1851.560+/-0.398 χ²/NDF:60662876.1/62
All: 1960.514+/-0.297 χ²/NDF: 118250842.0



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: 1943.532+/-394.796 χ^2/NDF: 32.6/37

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

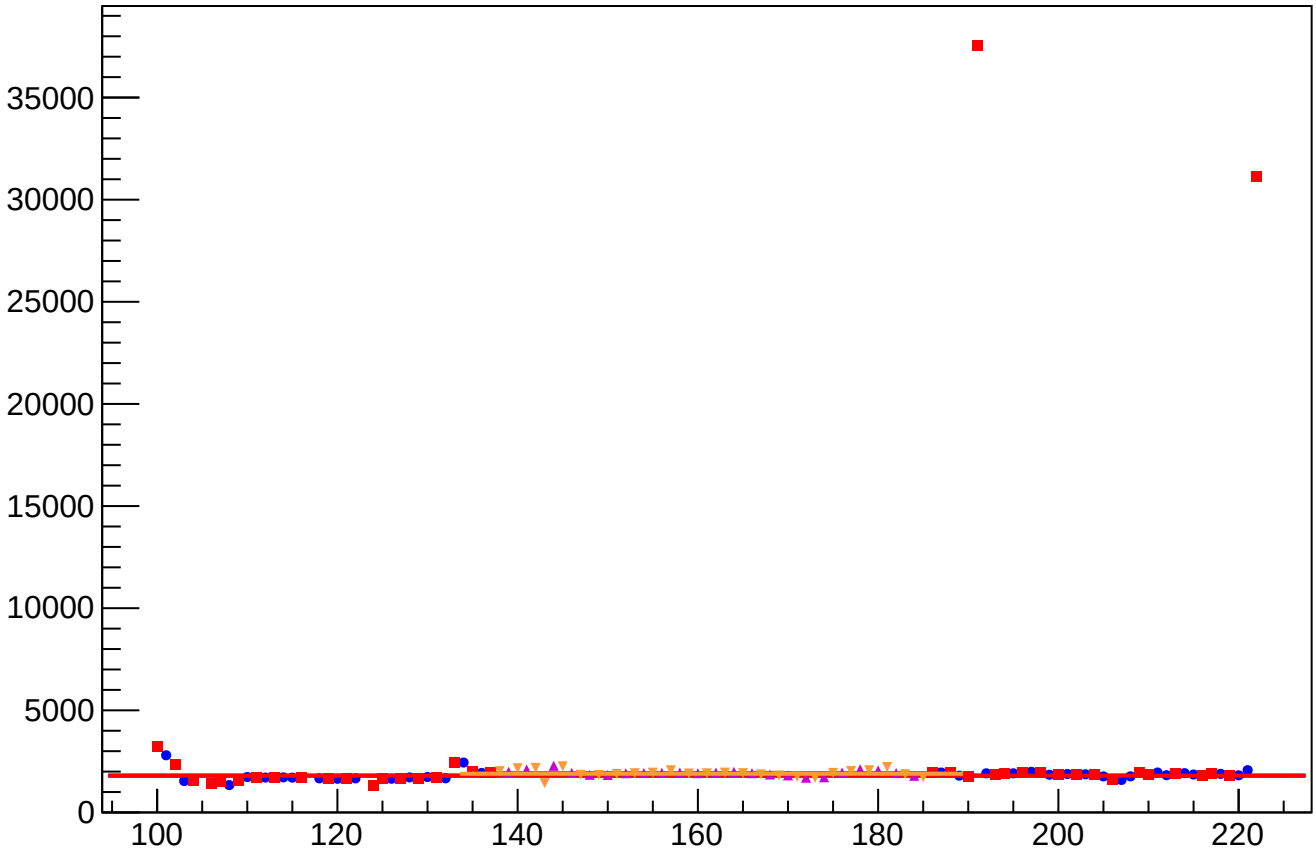
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2375.054+/-278.218 χ^2/NDF: 50.6/71

In: 2877.736+/-295.733 χ^2/NDF:31.4/56

Out: 1396.583+/-291.699 χ^2/NDF:78.4/62

All: 2126.990+/-207.674 χ^2/NDF: 122.5/119



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: 1802.554+/-0.279 χ^2/NDF: 2144274.4/37

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

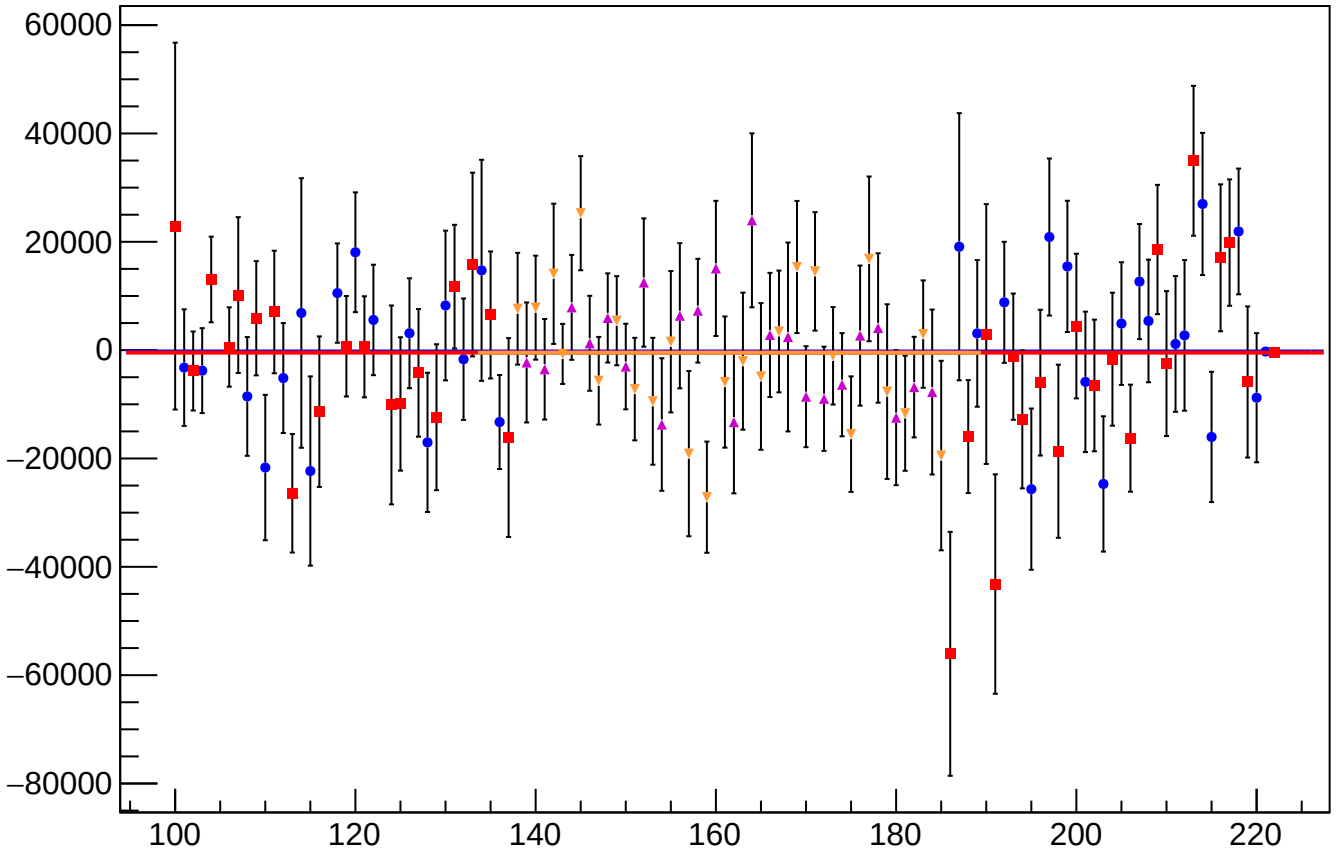
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1803.146+/-0.197 χ^2/NDF: 2641329.6/71

In: 1855.182+/-0.209 χ^2/NDF:727862.9/56

Out: 1844.382+/-0.206 χ^2/NDF:2562325.2/62

All: 1849.708+/-0.147 χ^2/NDF: 3291540.1/11



Right In: -251.070+/-228.282 χ^2/NDF: 39.0/33

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -457.353+/-233.120 χ^2/NDF: 48.2/37

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

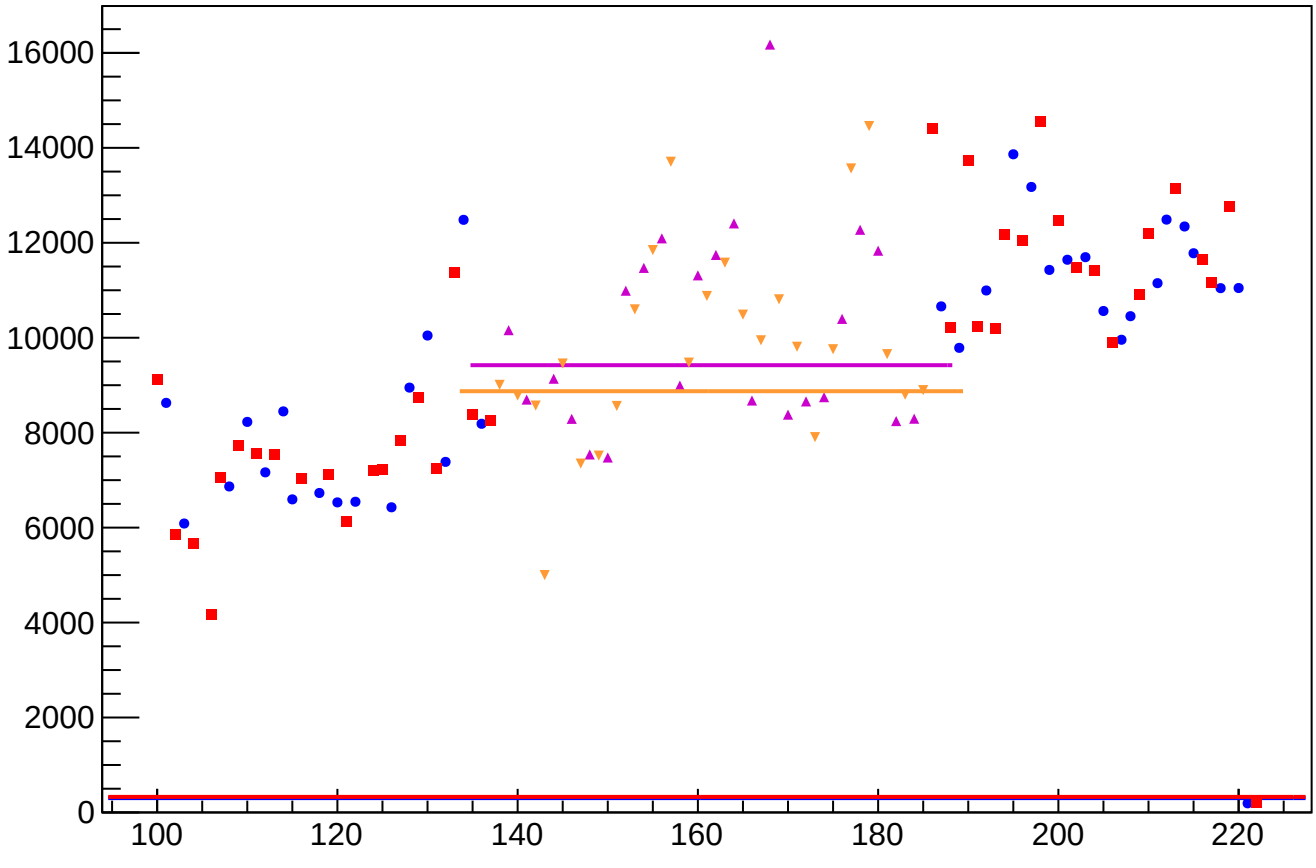
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -352.049+/-163.103 χ^2/NDF: 87.7/71

In: -252.970+/-227.112 χ^2/NDF:52.6/56

Out: -457.623+/-231.682 χ^2/NDF:77.1/62

All: -353.258+/-162.184 χ^2/NDF: 130.0/119



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: 327.808+/-0.165 χ^2/NDF: 40462439.9/37

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

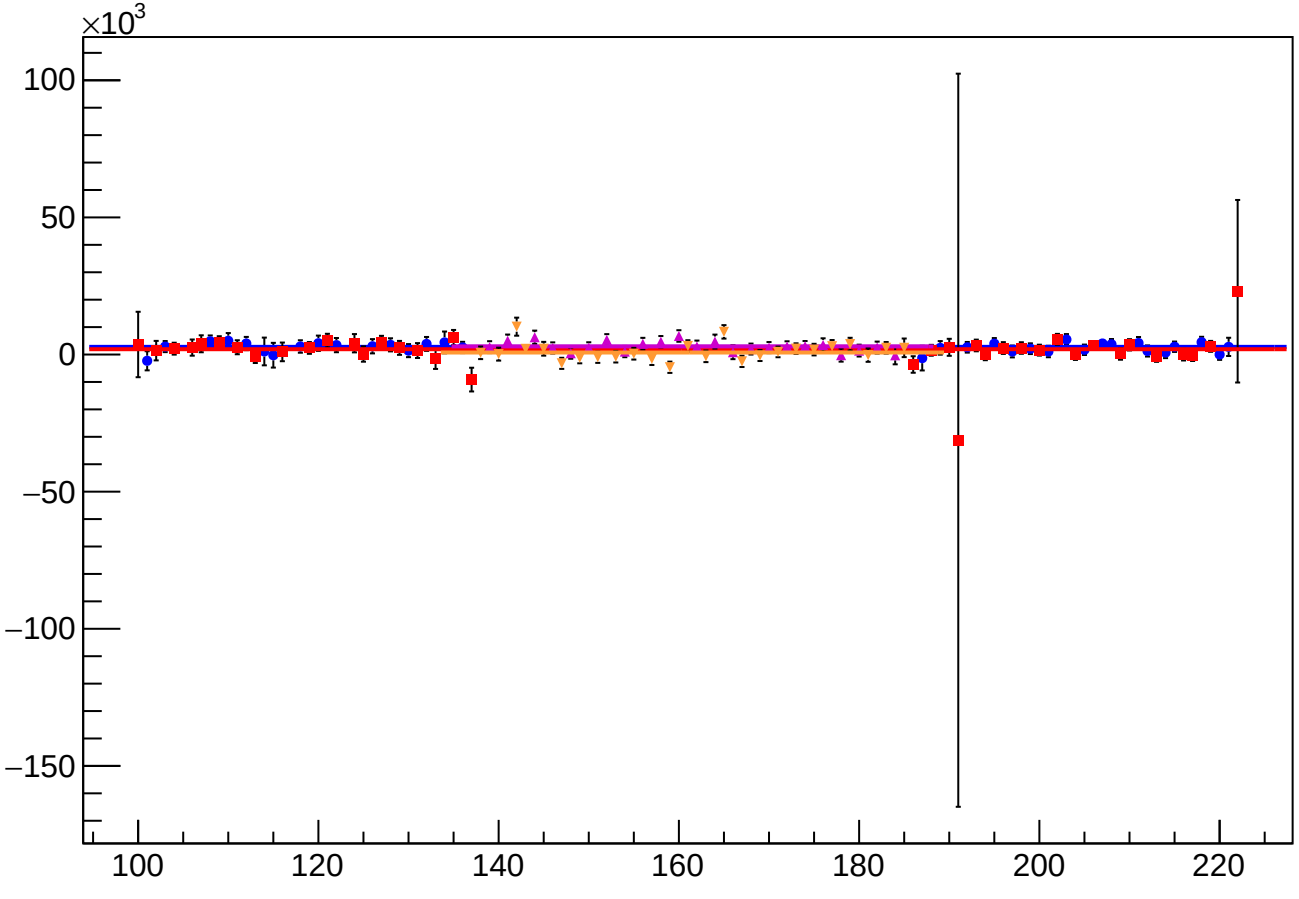
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 314.825+/-0.115 χ^2/NDF: 80240428.5/71

In: 395.687+/-0.161 χ^2/NDF:73628500.2/56

Out: 432.898+/-0.164 χ^2/NDF:75716762.8/62

All: 413.922+/-0.115 χ^2/NDF: 149371573.4/



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: 1943.531+/-394.796 χ^2/NDF: 32.6/37

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

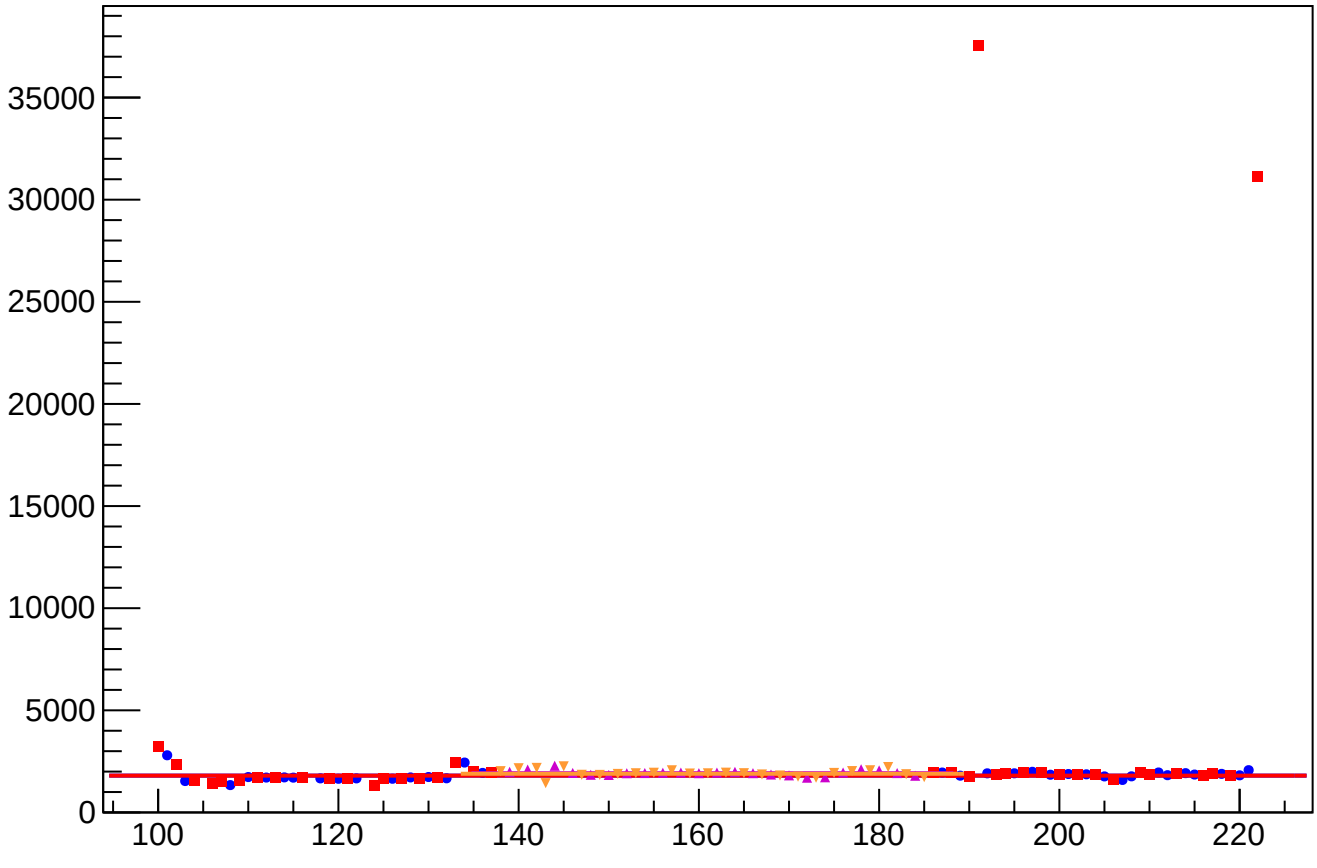
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2375.051+/-278.218 χ^2/NDF: 50.6/71

In: 2877.733+/-295.733 χ^2/NDF:31.4/56

Out: 1396.579+/-291.699 χ^2/NDF:78.4/62

All: 2126.986+/-207.674 χ^2/NDF: 122.5/119



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: 1802.553+/-0.279 χ^2/NDF: 2144275.8/37

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

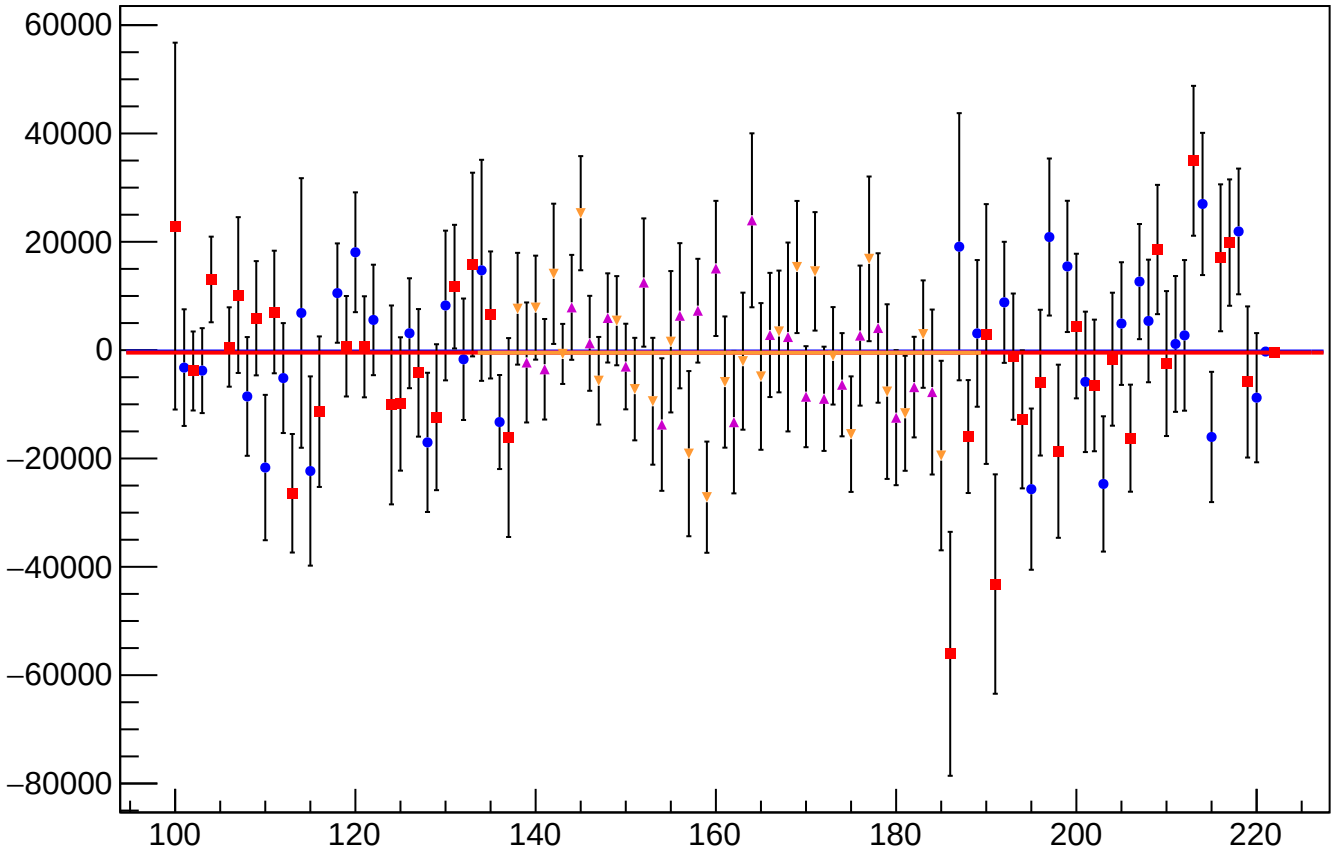
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1803.146+/-0.197 χ^2/NDF: 2641331.7/71

In: 1855.183+/-0.209 χ^2/NDF:727875.3/56

Out: 1844.384+/-0.206 χ^2/NDF:2562337.5/62

All: 1849.709+/-0.147 χ^2/NDF: 3291564.8/11



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: -457.351+/-233.120 χ^2/NDF: 48.2/37

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

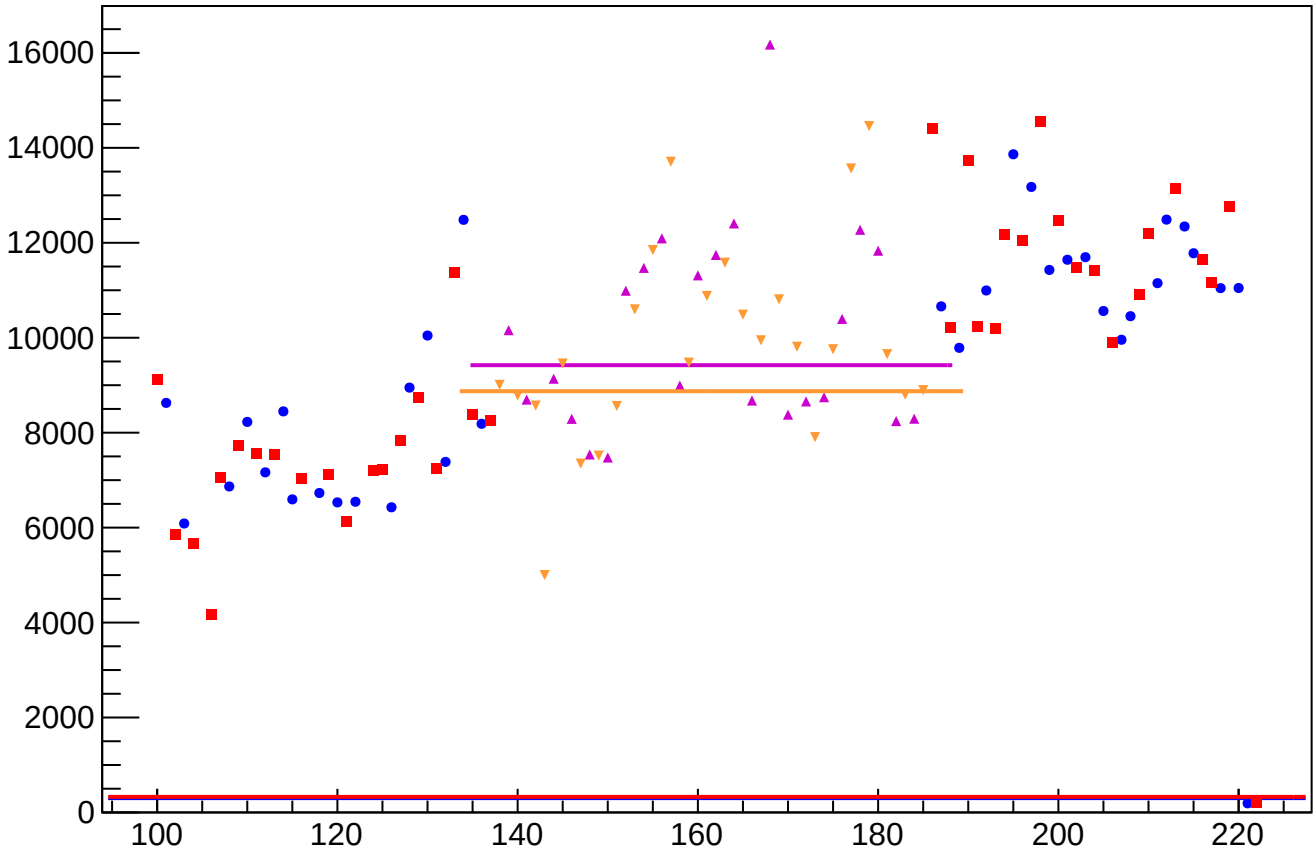
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -352.053+/-163.104 χ^2/NDF: 87.7/71

In: -252.979+/-227.112 χ^2/NDF:52.6/56

Out: -457.621+/-231.682 χ^2/NDF:77.1/62

All: -353.262+/-162.184 χ^2/NDF: 130.0/119



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: 327.808+/-0.165 χ^2/NDF: 40462440.2/37

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

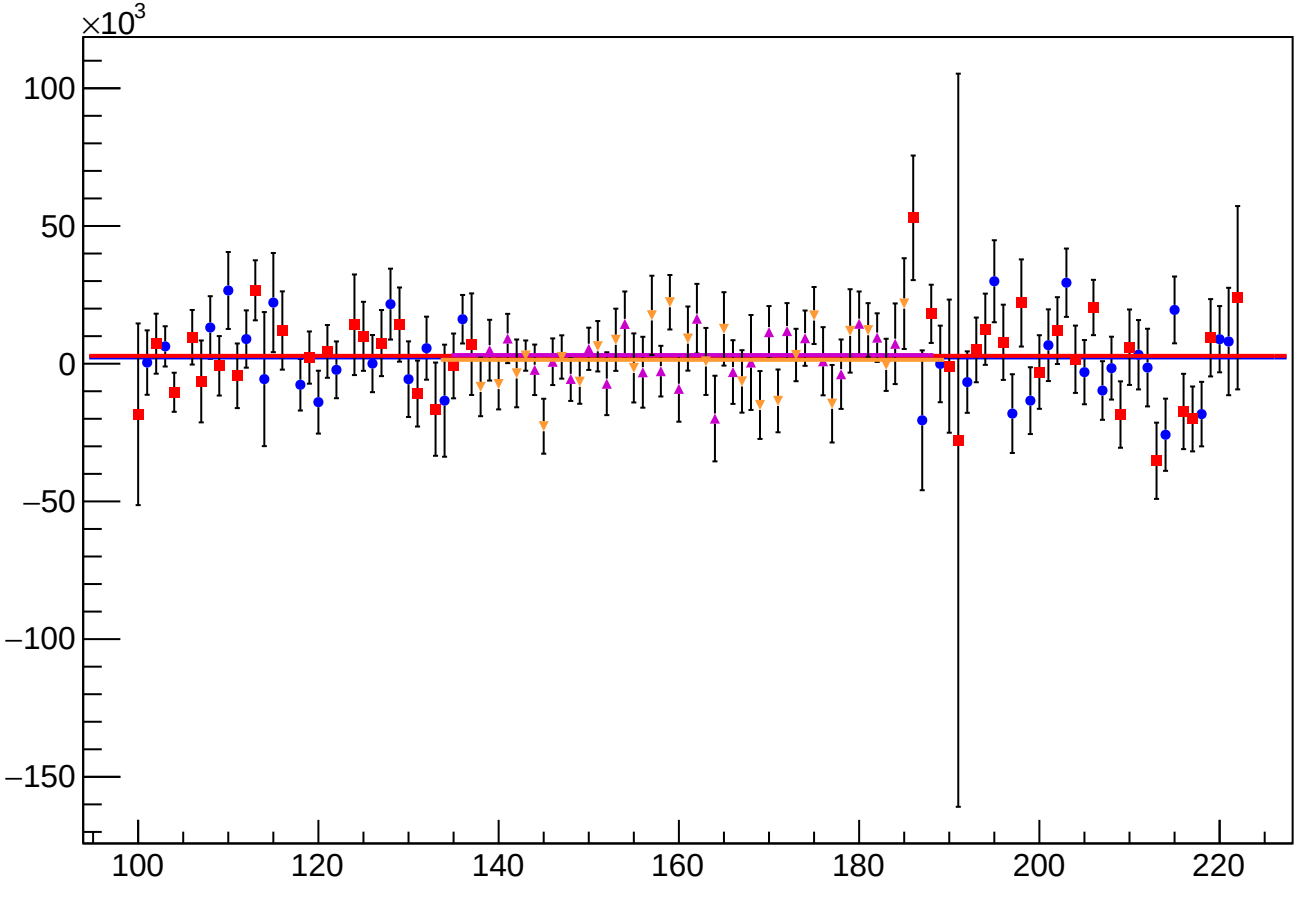
Right: 314.825+/-0.115 χ^2/NDF: 80240424.9/71

In: 395.688+/-0.161 χ^2/NDF:73628495.3/56

Out: 432.897+/-0.164 χ^2/NDF:75716771.4/62

All: 413.922+/-0.115 χ^2/NDF: 149371574.9/1

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: 2849.812+/-2050.392 χ^2/NDF: 45.4/37

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

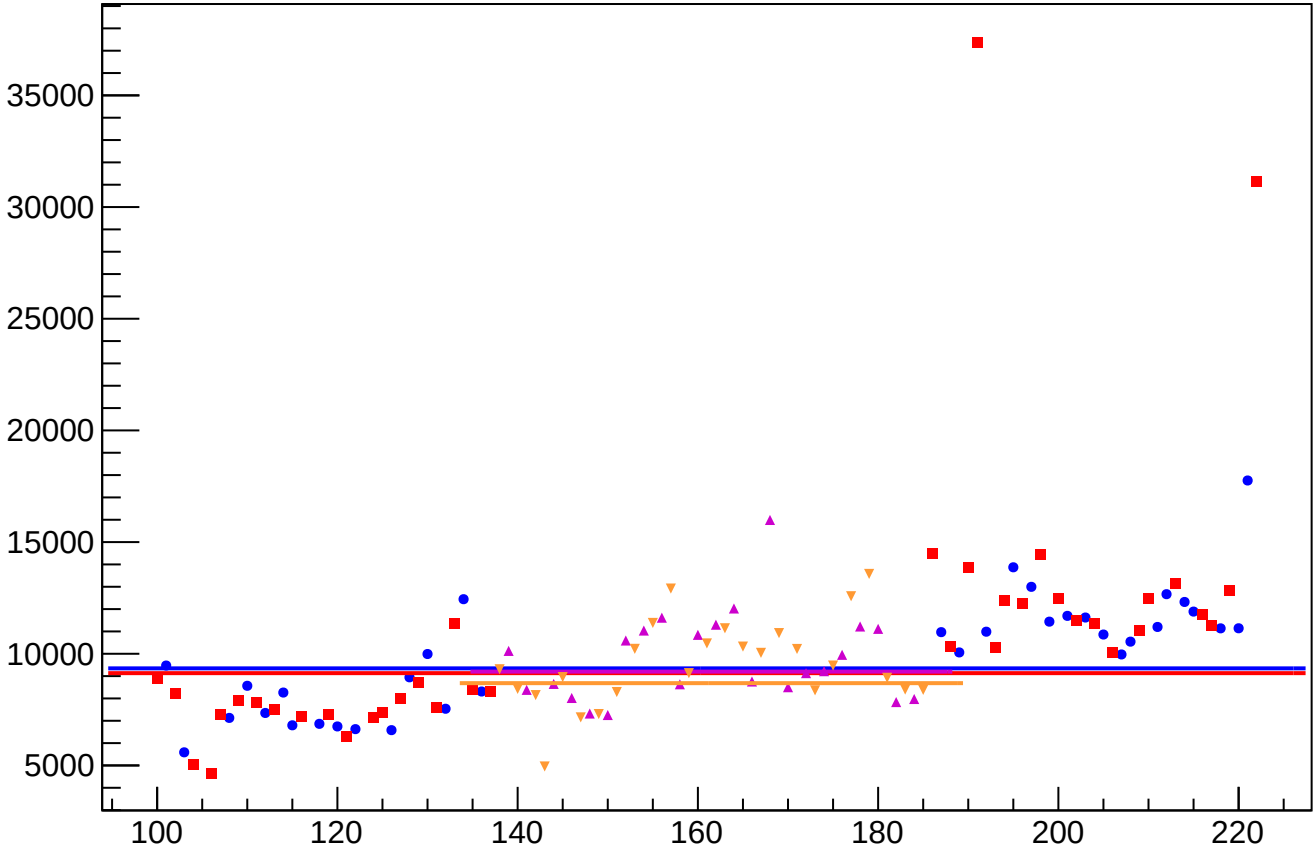
Right: 2562.396+/-1457.351 χ^2/NDF: 85.9/71

In: 2680.091+/-1504.857 χ^2/NDF:53.5/56

Out: 2125.369+/-1446.125 χ^2/NDF:73.1/62

All: 2391.694+/-1042.710 χ^2/NDF: 126.6/119

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: 9132.604+/-1.450 χ^2/NDF: 4213493.0/37

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

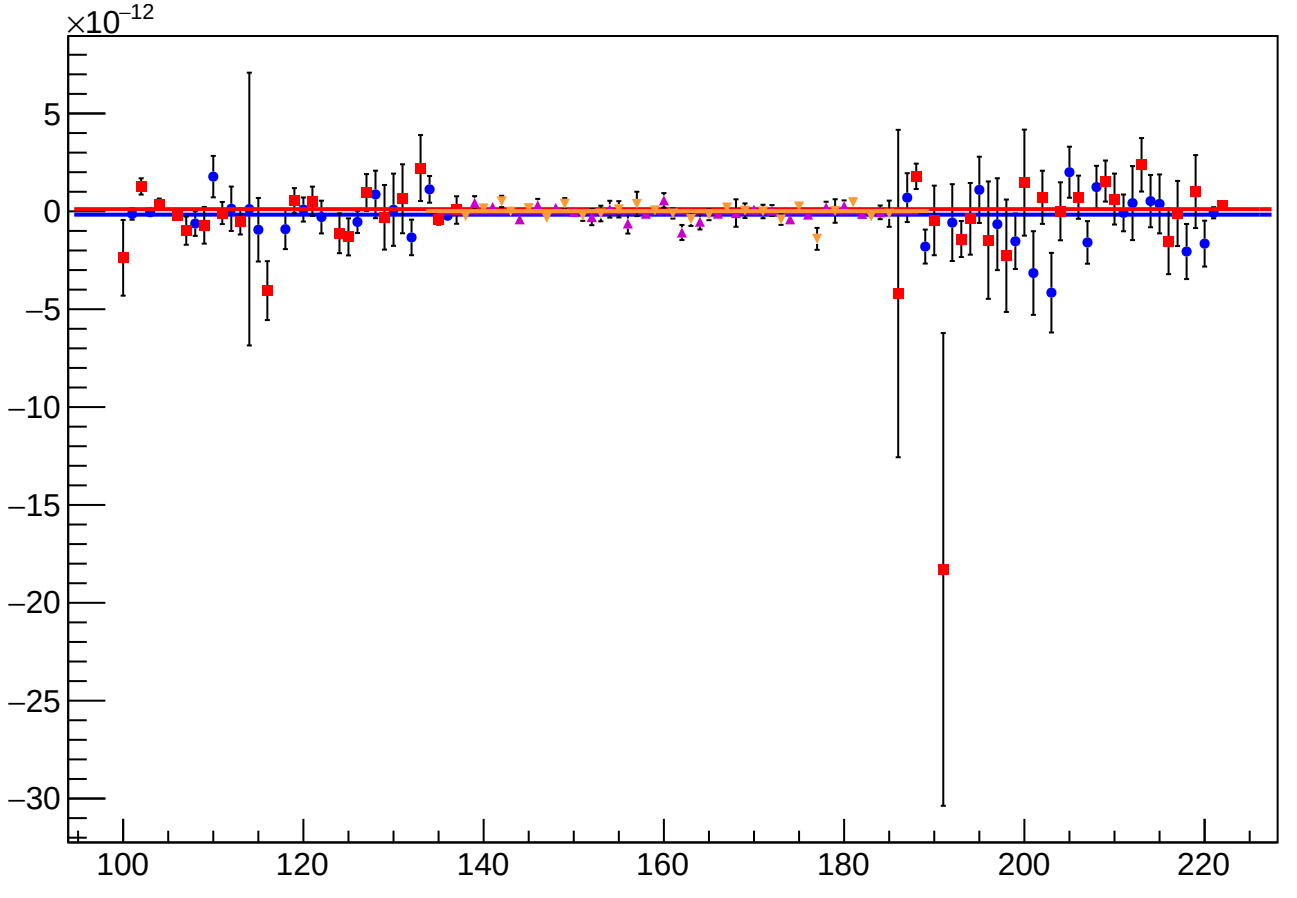
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9238.417+/-1.030 χ^2/NDF: 7044771.2/71

In: 9277.647+/-1.064 χ^2/NDF:3954603.9/56

Out: 8907.439+/-1.023 χ^2/NDF:6313114.1/62

All: 9085.174+/-0.737 χ^2/NDF: 10330648.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.2/37

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

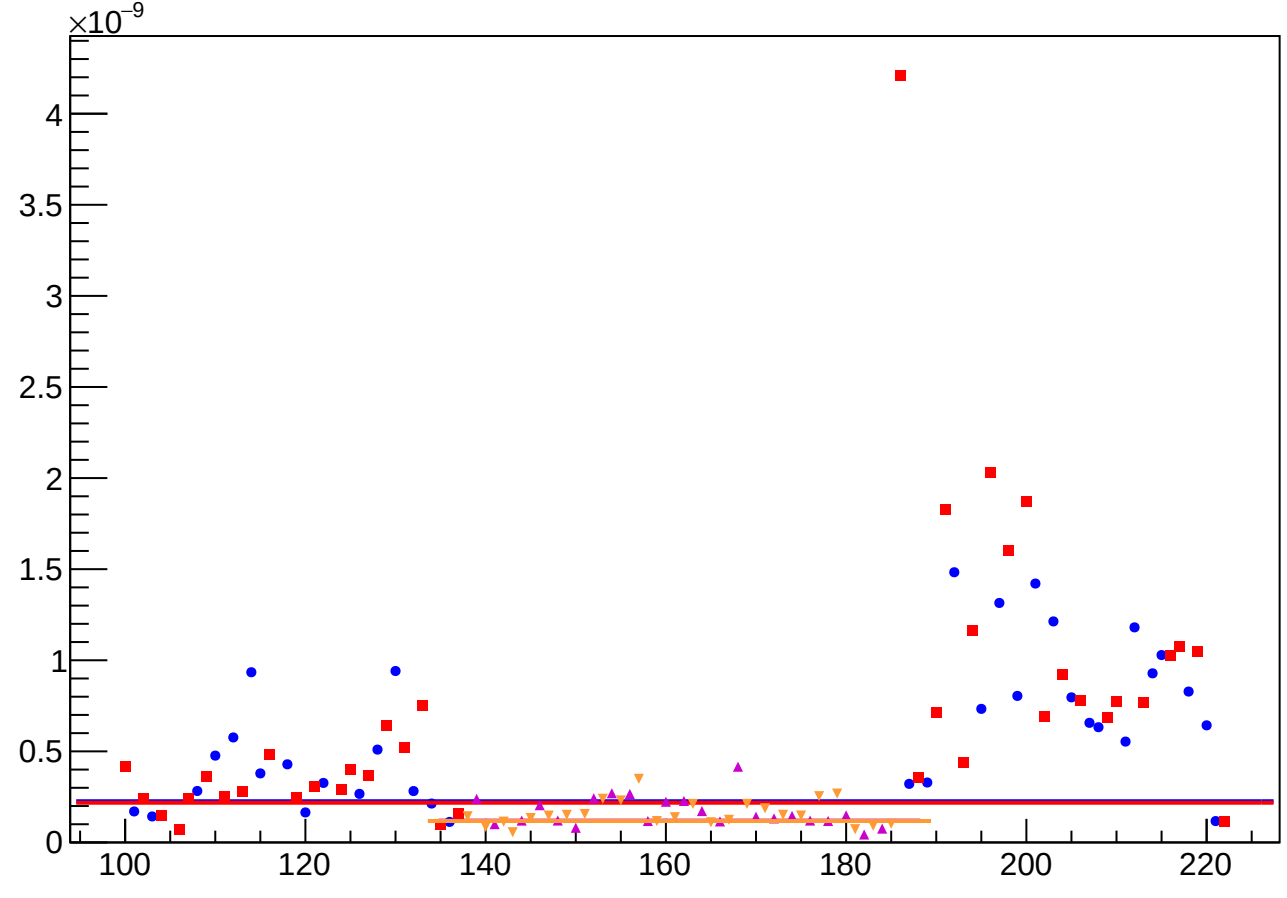
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 91.1/71

In: -0.000+/-0.000 χ^2/NDF:61.8/56

Out: 0.000+/-0.000 χ^2/NDF:83.8/62

All: -0.000+/-0.000 χ^2/NDF: 148.8/119



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: 9278357.1/37

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

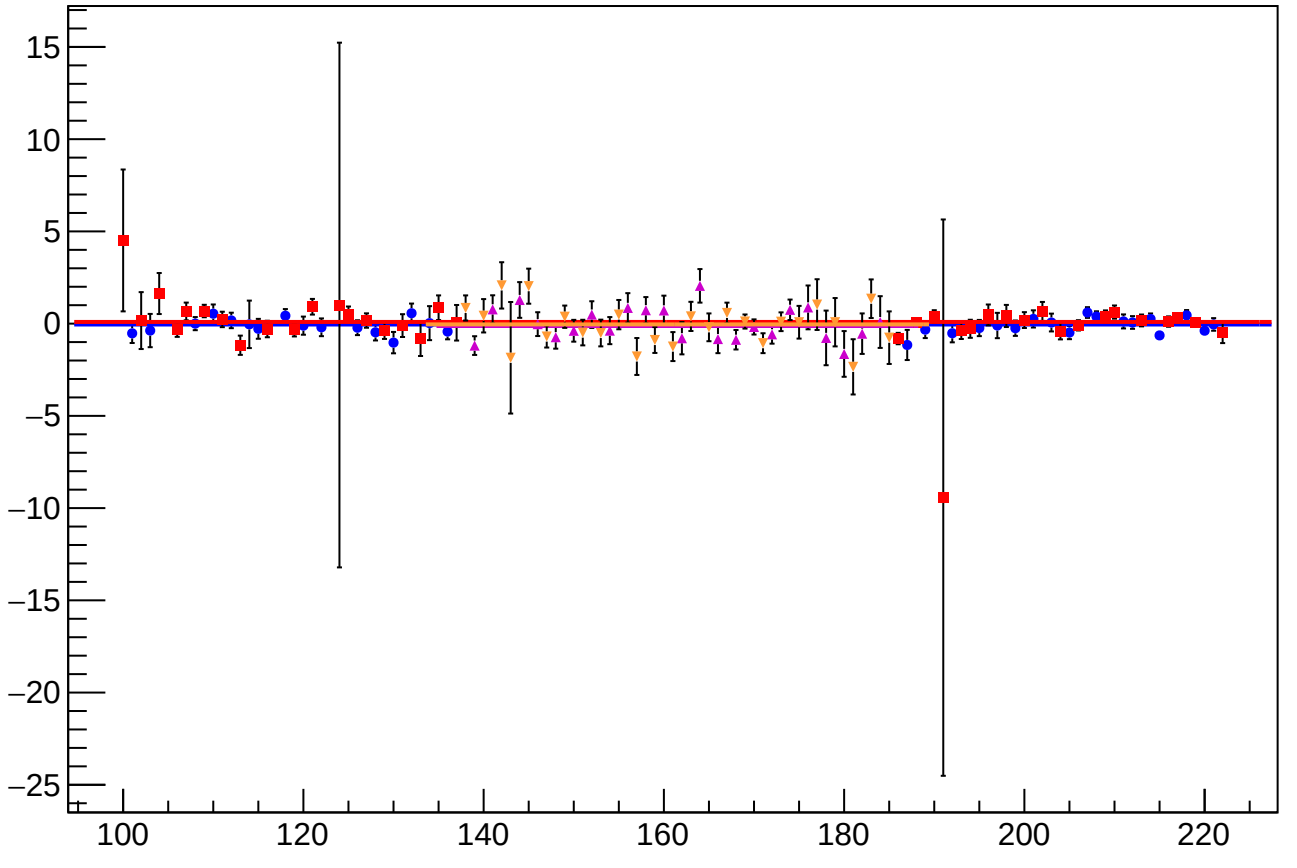
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17800600.4/71

In: 0.000+/-0.000 χ^2/NDF:12837469.7/56

Out: 0.000+/-0.000 χ^2/NDF:13134139.5/62

All: 0.000+/-0.000 χ^2/NDF: 25984353.7/119



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: 0.092+/-0.065 χ^2/NDF: 45.2/37

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

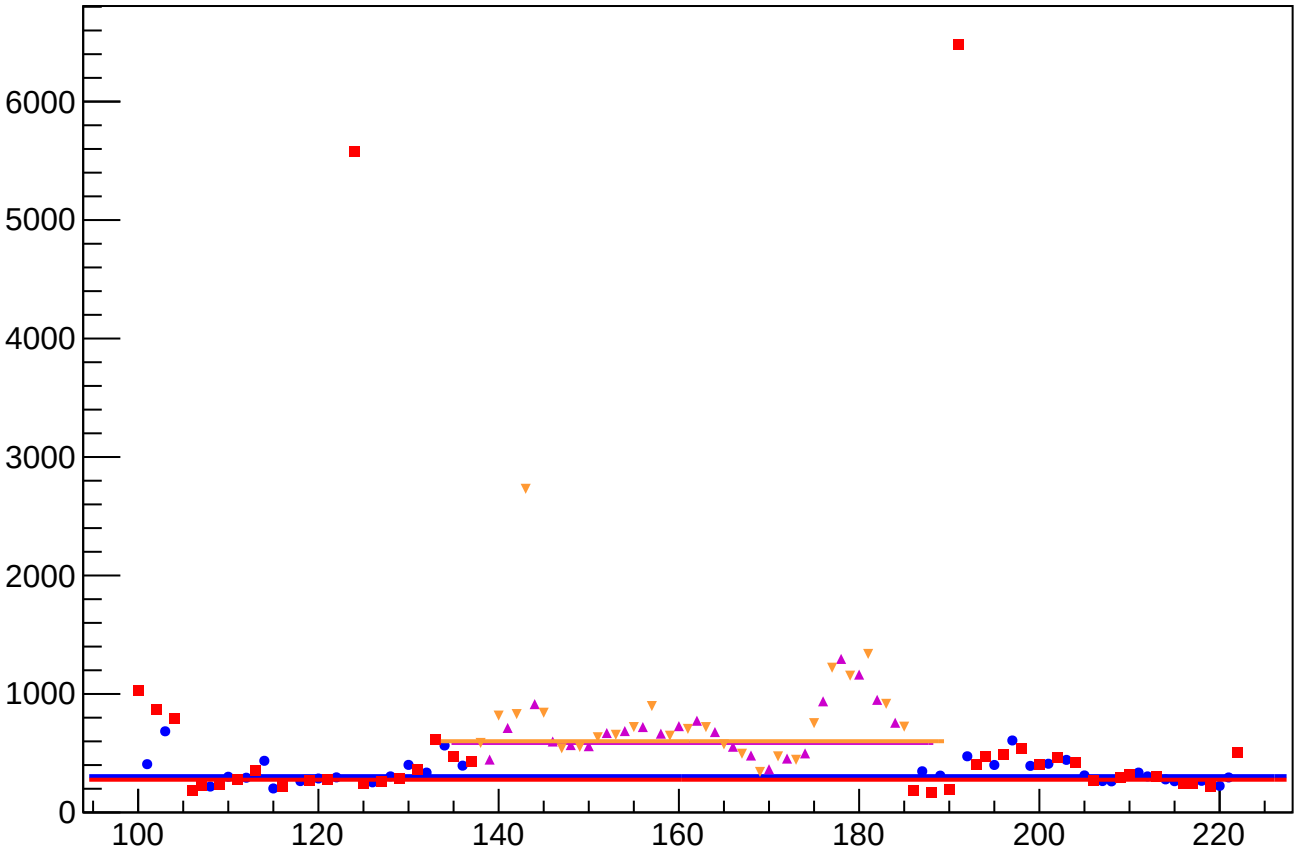
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.027+/-0.047 χ^2/NDF: 81.9/71

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.071+/-0.059 χ^2/NDF:76.0/62

All: 0.008+/-0.043 χ^2/NDF: 142.3/119



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: 276.195+/-0.046 χ^2/NDF: 5503224.8/37

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

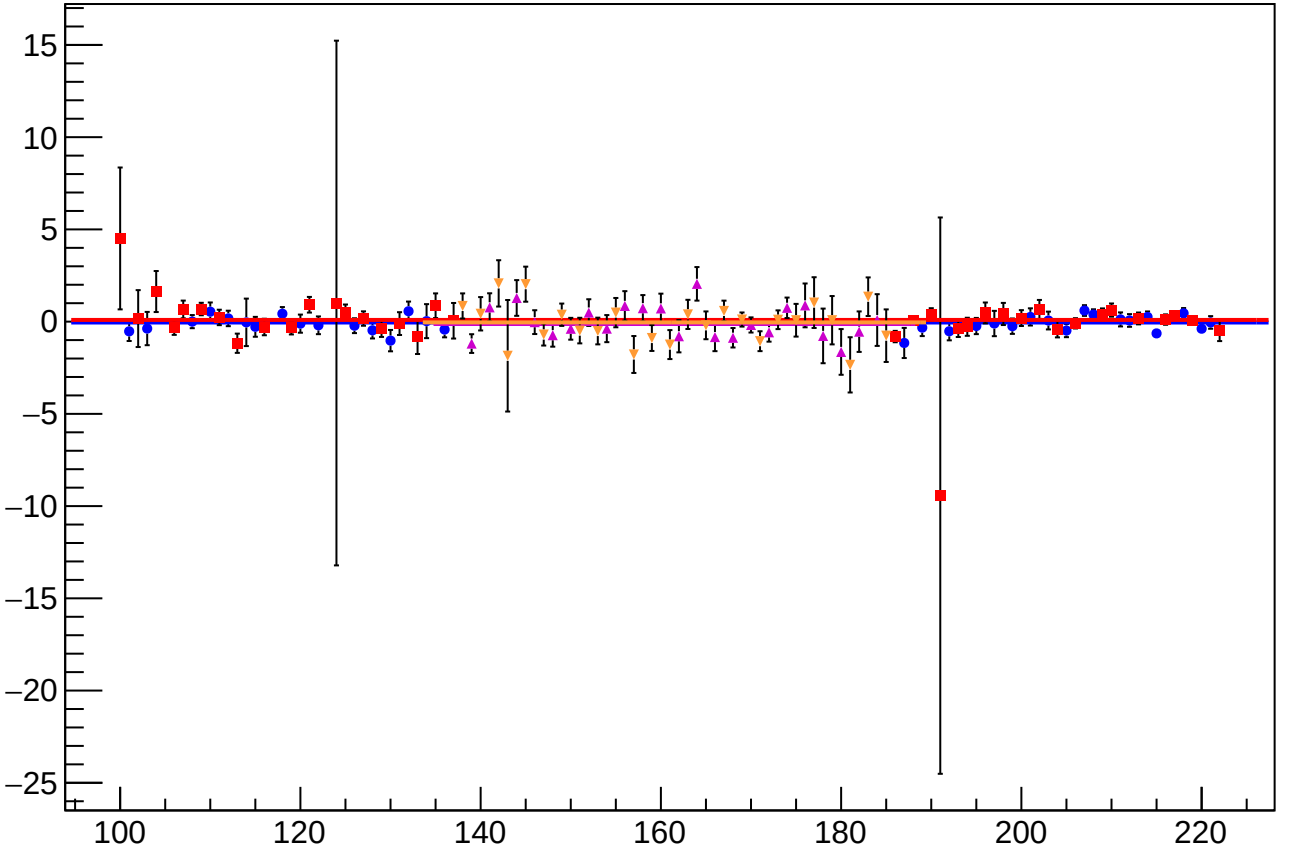
Right: 290.353+/-0.033 χ^2/NDF: 8220701.1/71

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 328.732+/-0.042 χ^2/NDF:18103136.8/62

All: 342.740+/-0.030 χ^2/NDF: 29864711.3/11

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: 0.092+/-0.065 χ^2/NDF: 45.2/37

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

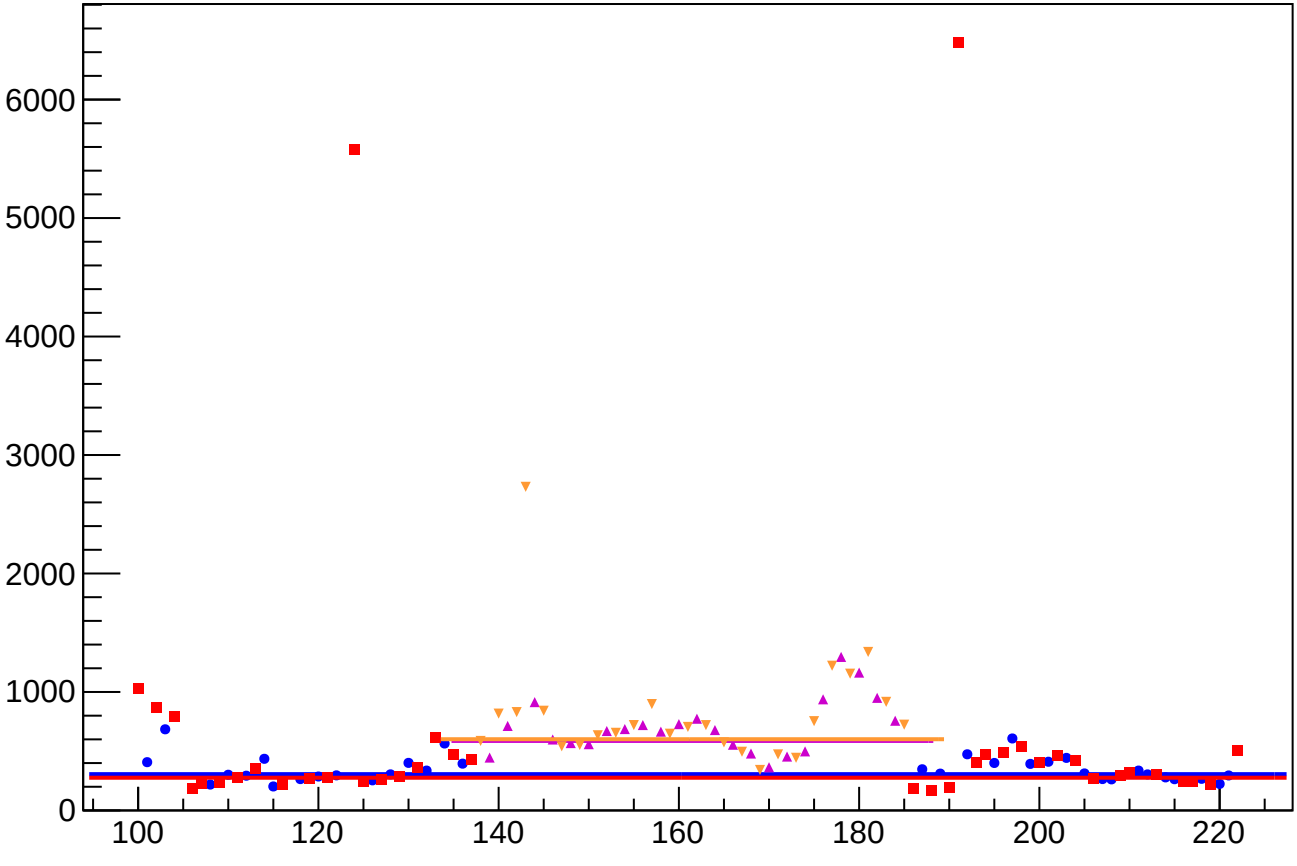
Right: 0.027+/-0.047 χ^2/NDF: 81.9/71

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.071+/-0.059 χ^2/NDF:76.0/62

All: 0.008+/-0.043 χ^2/NDF: 142.3/119

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: 276.195+/-0.046 χ^2/NDF: 5503224.8/37

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

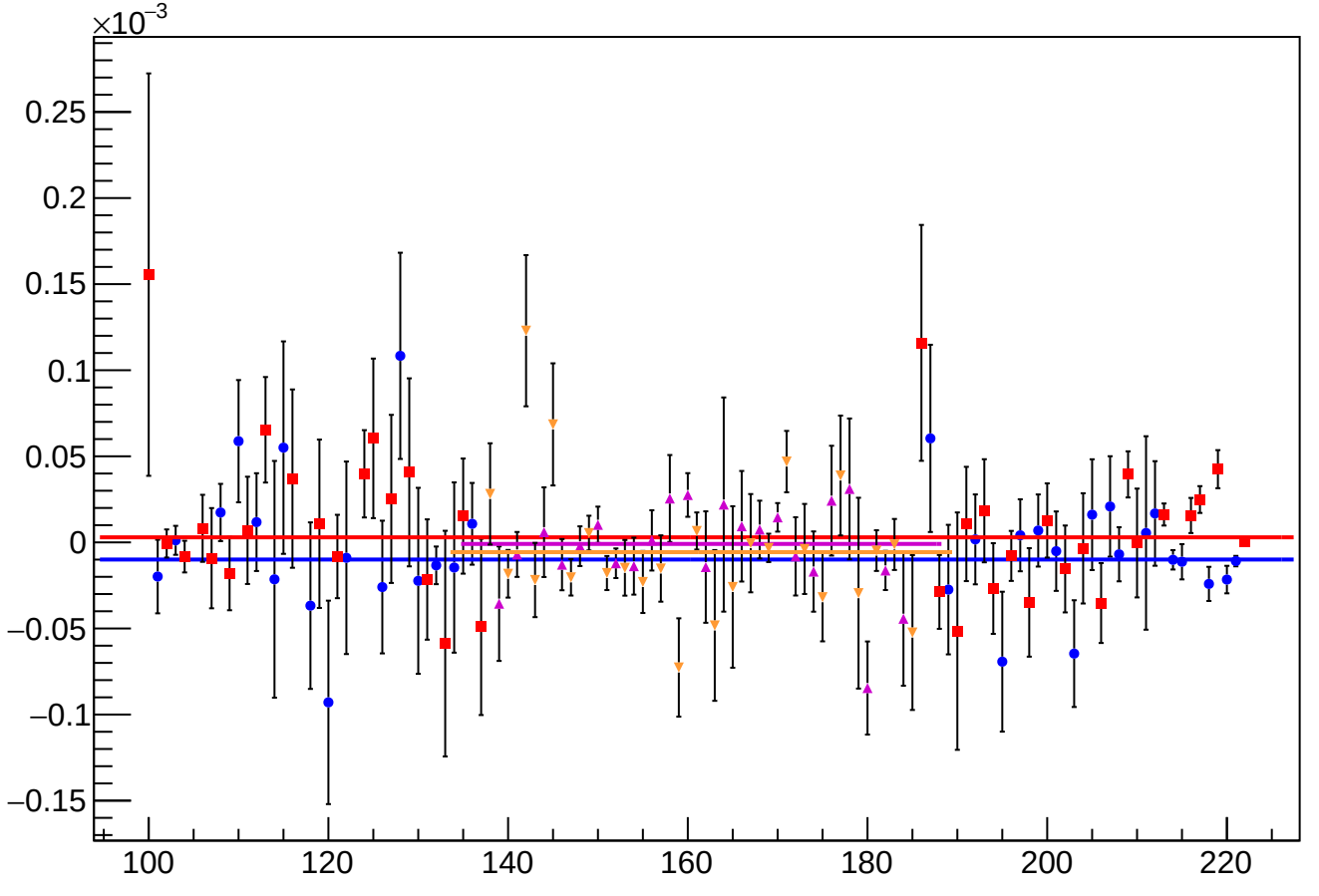
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 290.353+/-0.033 χ^2/NDF: 8220701.1/71

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 328.732+/-0.042 χ^2/NDF:18103136.8/62

All: 342.740+/-0.030 χ^2/NDF: 29864711.3/1



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: 65.2/37

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

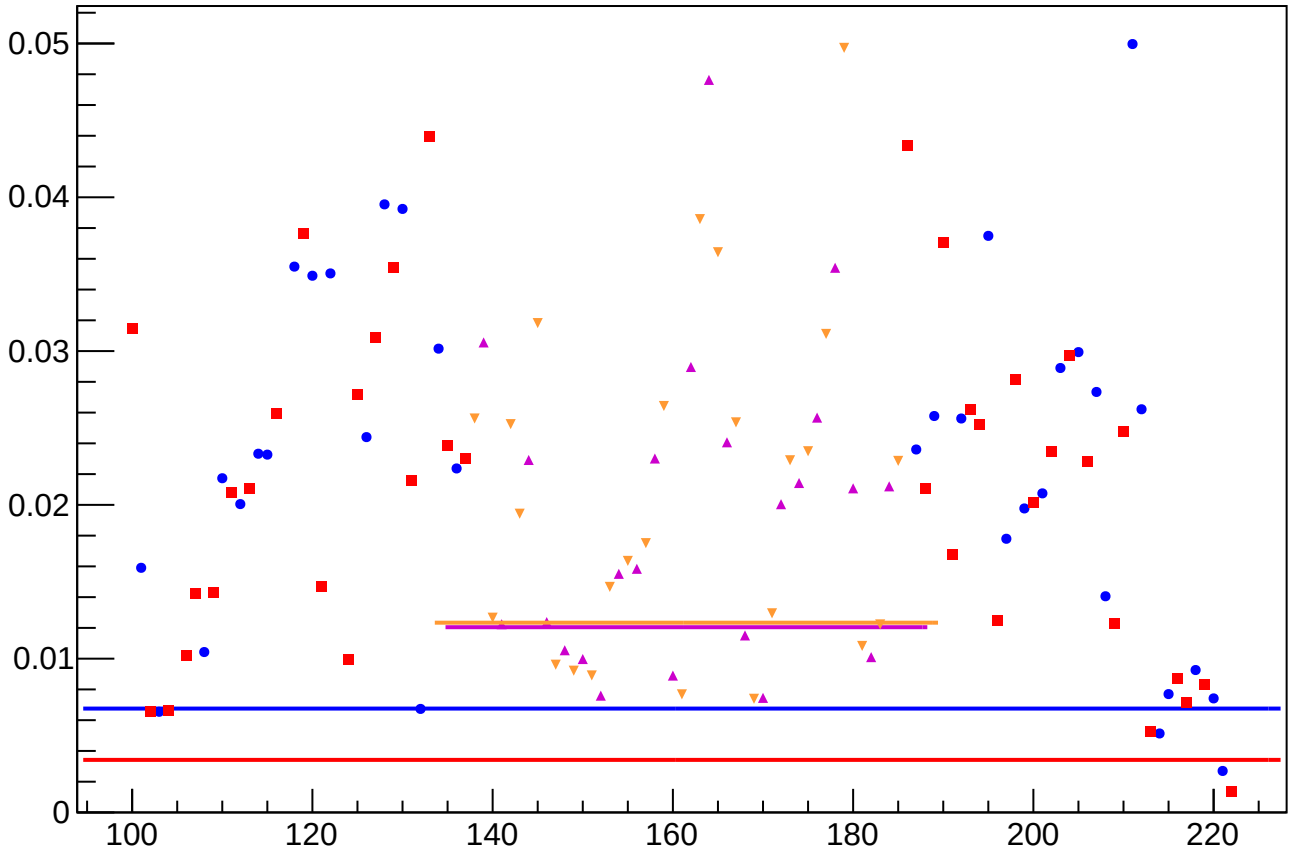
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 125.1/71

In: -0.000+/-0.000 χ^2/NDF:68.4/56

Out: 0.000+/-0.000 χ^2/NDF:113.8/62

All: -0.000+/-0.000 χ^2/NDF: 199.9/119



Right In: 0.007+/-0.000 χ^2/NDF: 20586642.8/33

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 28775386.3/37

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

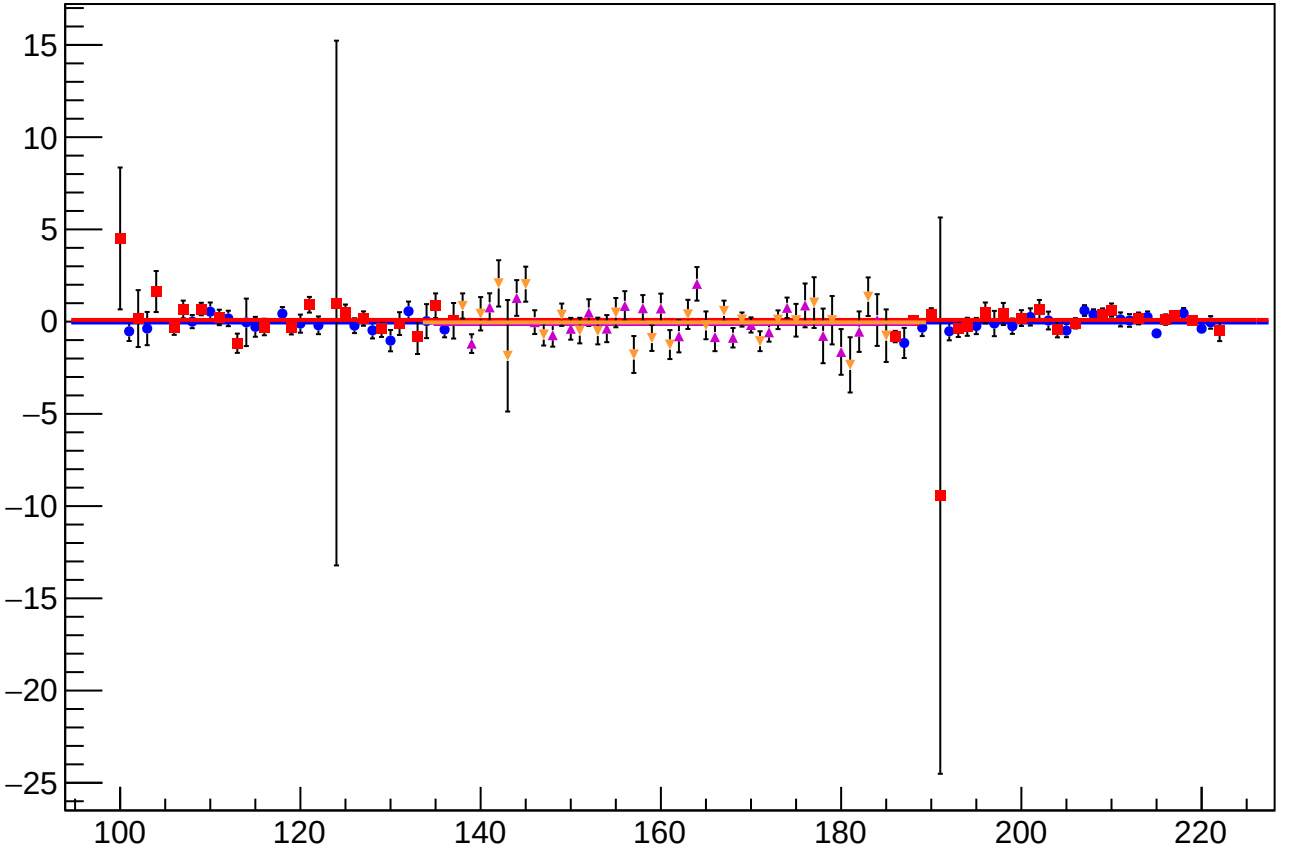
Right: 0.004+/-0.000 χ^2/NDF: 52982095.3/71

In: 0.008+/-0.000 χ^2/NDF:30665058.5/56

Out: 0.005+/-0.000 χ^2/NDF:49522905.3/62

All: 0.006+/-0.000 χ^2/NDF: 85708872.0/119

asym_at2_avg_eigen_dit_vs_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: 0.092+/-0.065 χ^2/NDF: 45.2/37

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

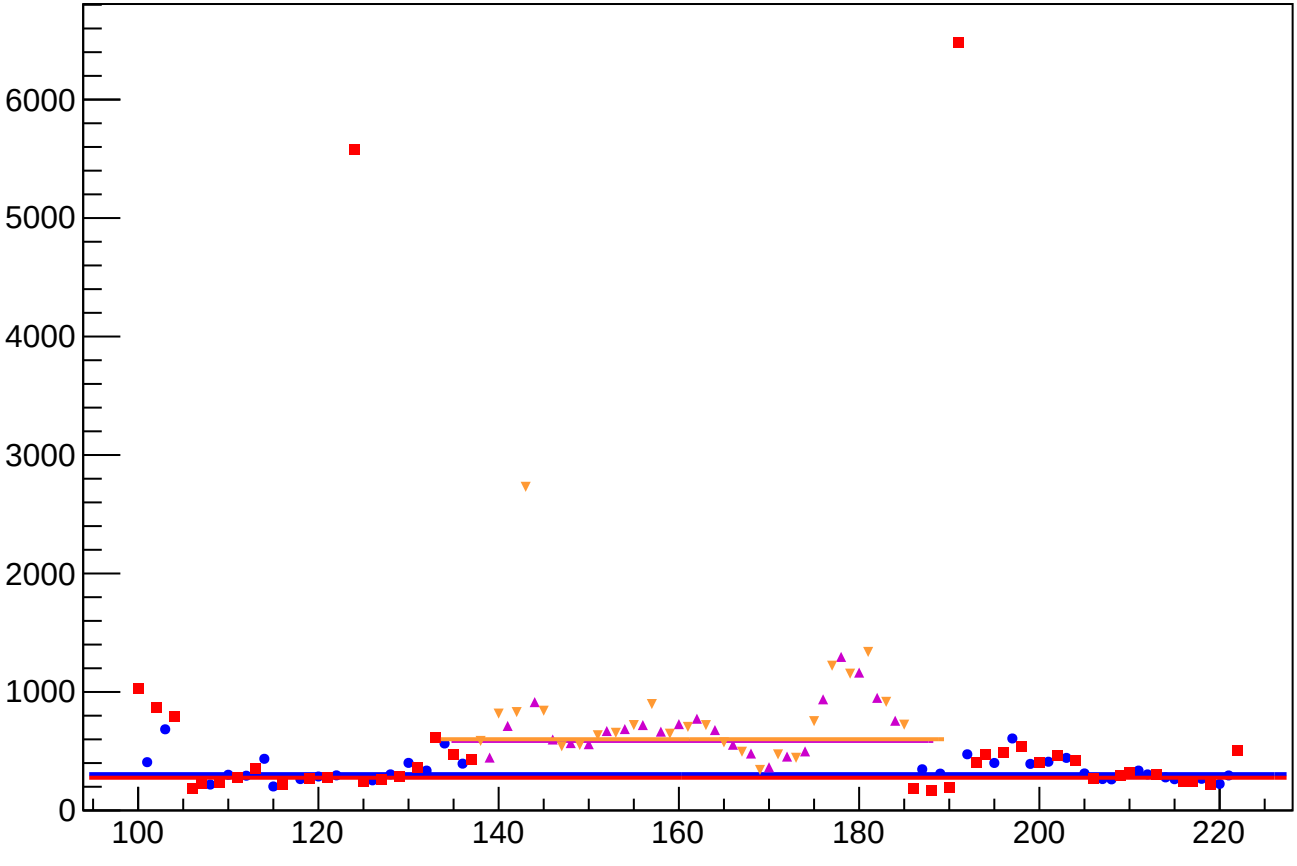
Right: 0.027+/-0.047 χ^2/NDF: 81.9/71

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.071+/-0.059 χ^2/NDF:76.0/62

All: 0.008+/-0.043 χ^2/NDF: 142.3/119

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: 276.191+/-0.046 χ^2/NDF: 5503489.4/37

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

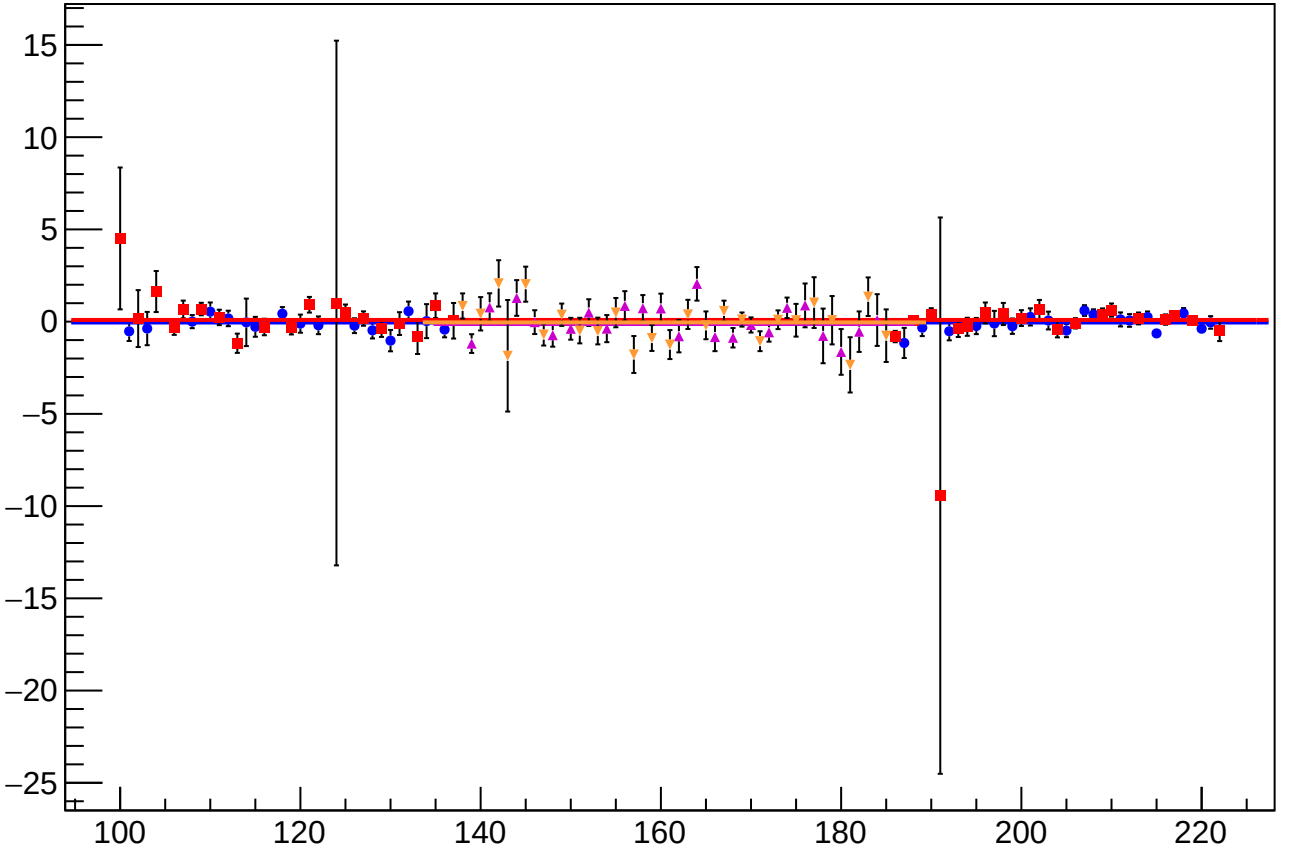
Right: 290.351+/-0.033 χ^2/NDF: 8221009.7/71

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 328.728+/-0.042 χ^2/NDF:18103802.0/62

All: 342.738+/-0.030 χ^2/NDF: 29865644.5/1

asym_at2_avg_eigen_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: 0.092+/-0.065 χ^2/NDF: 45.2/37

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

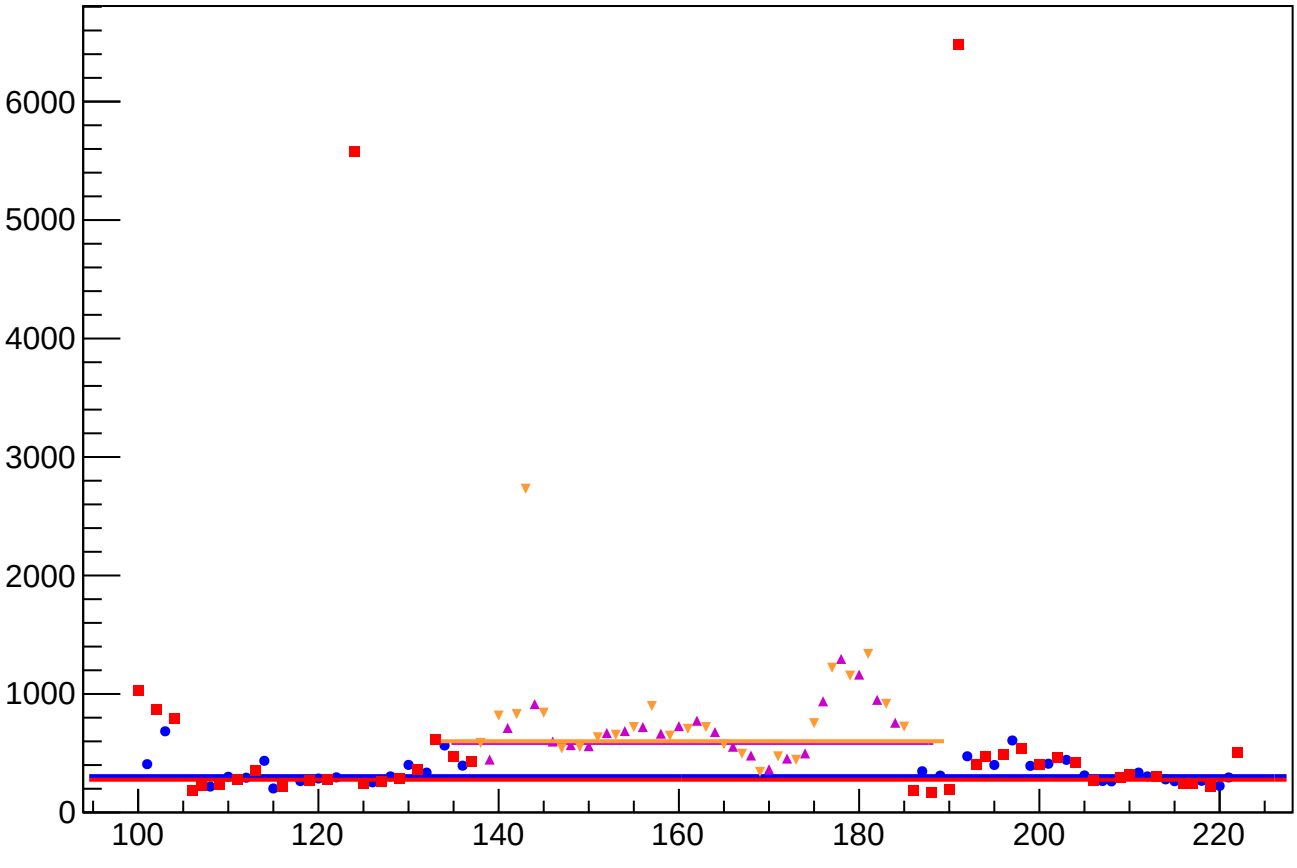
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.027+/-0.047 χ^2/NDF: 81.9/71

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.071+/-0.059 χ^2/NDF:76.0/62

All: 0.008+/-0.043 χ^2/NDF: 142.3/119



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: 276.191+/-0.046 χ^2/NDF: 5503489.4/37

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

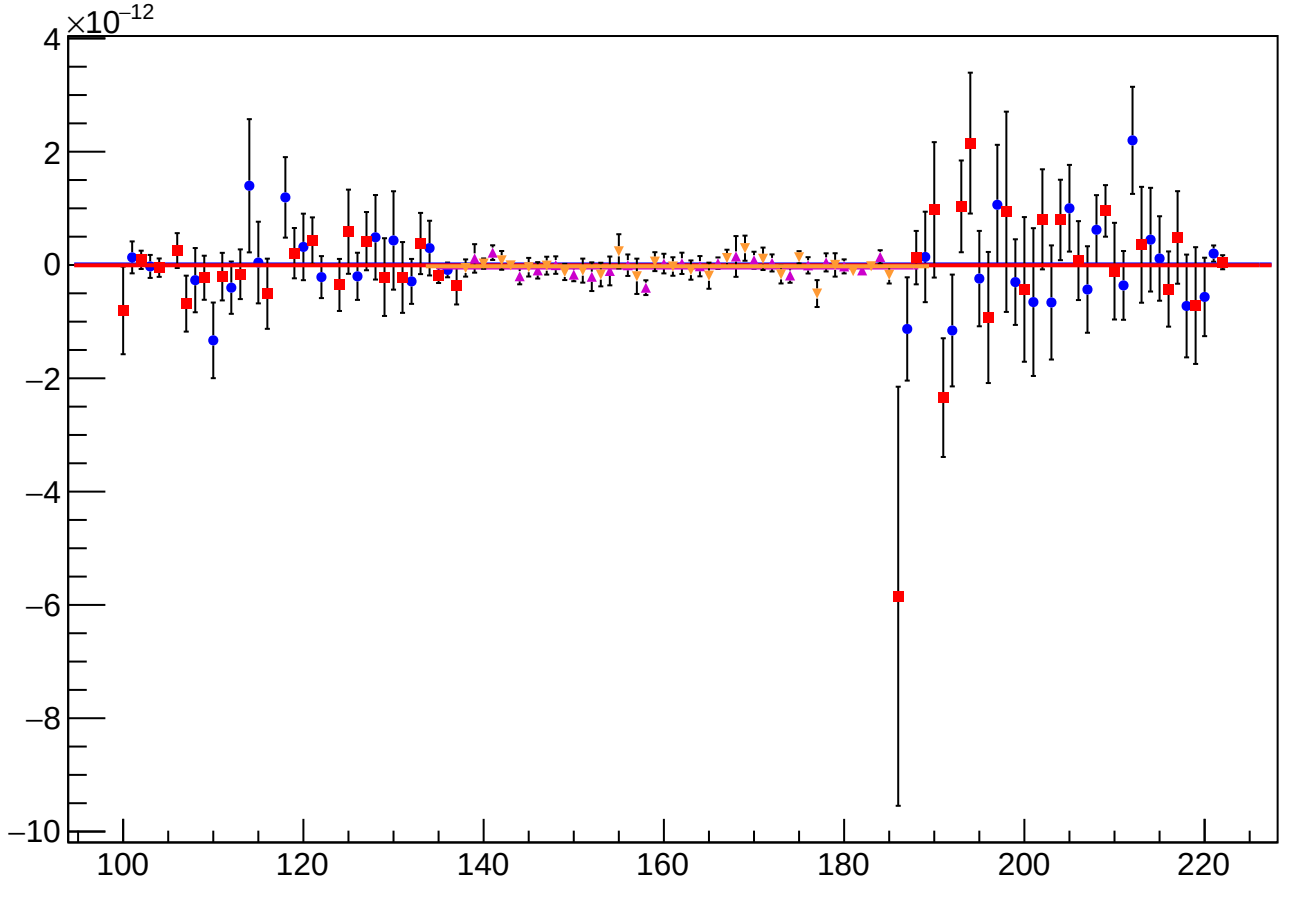
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 290.351+/-0.033 χ^2/NDF: 8221009.7/71

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 328.728+/-0.042 χ^2/NDF:18103802.0/62

All: 342.738+/-0.030 χ^2/NDF: 29865644.5/1



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: 34.1/37

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

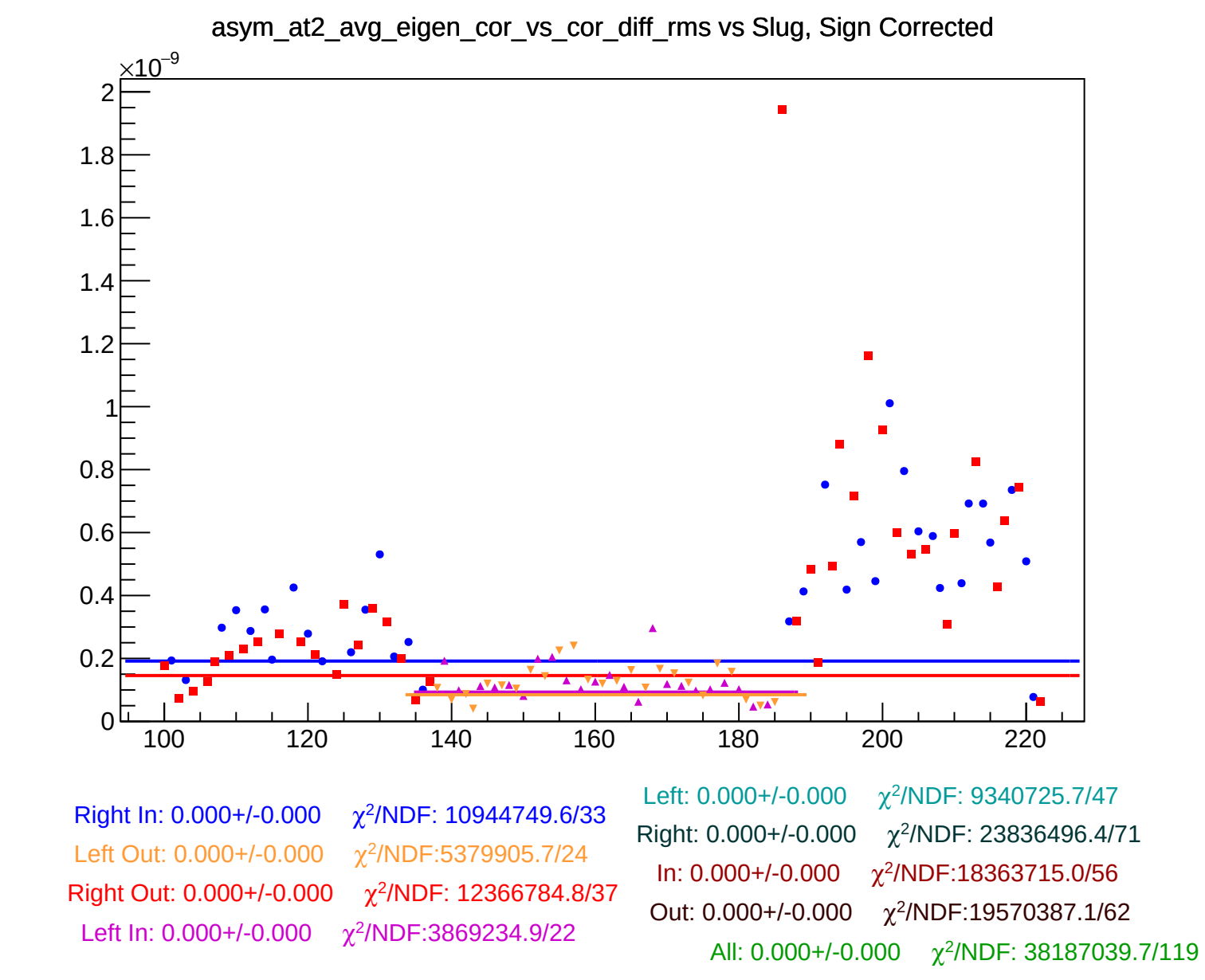
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 63.7/71

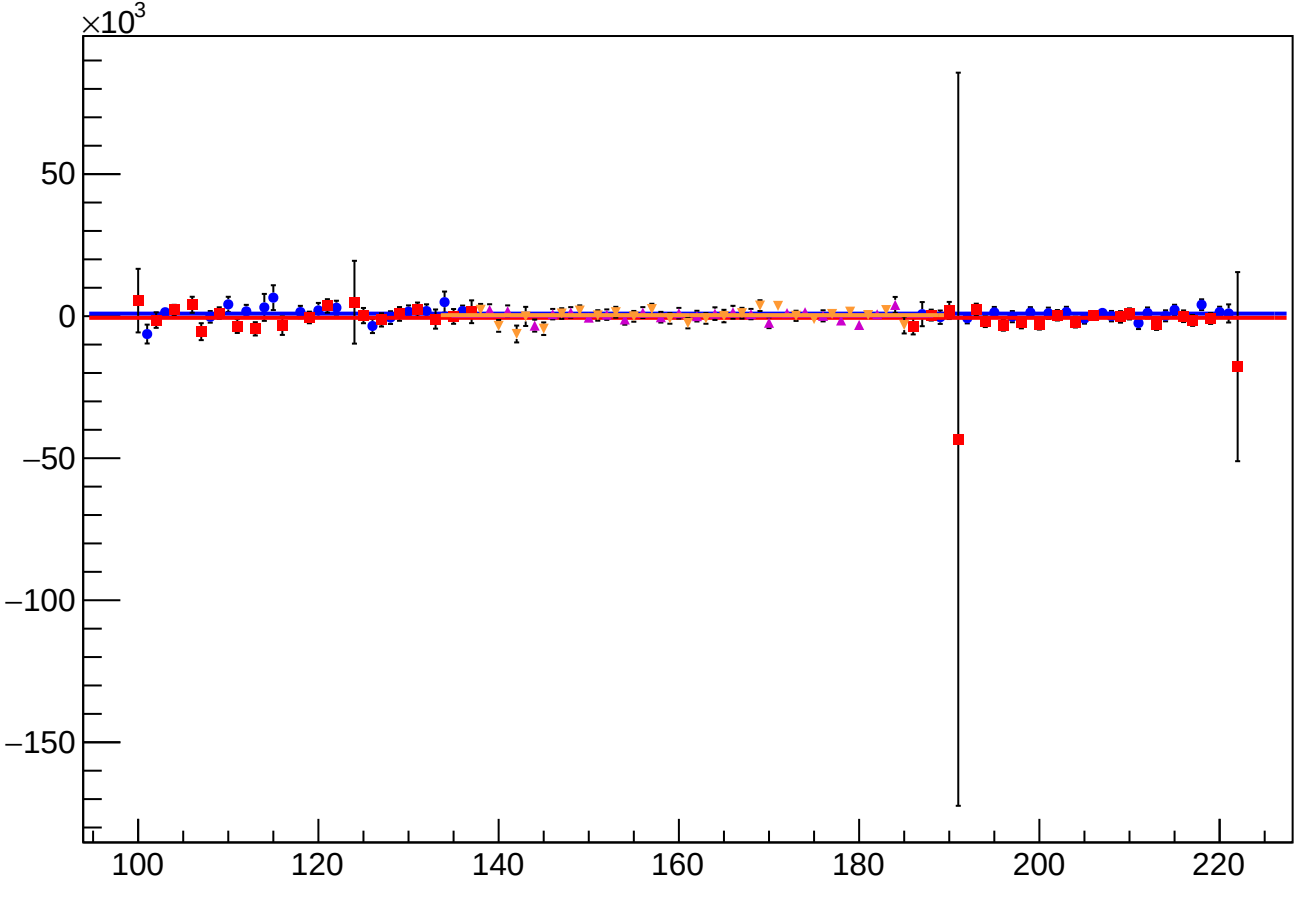
In: -0.000+/-0.000 χ^2/NDF:52.1/56

Out: -0.000+/-0.000 χ^2/NDF:50.6/62

All: -0.000+/-0.000 χ^2/NDF: 102.9/119


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: 12366784.8/37
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: 23836496.4/71
In: 0.000+/-0.000 χ²/NDF:18363715.0/56
Out: 0.000+/-0.000 χ²/NDF:19570387.1/62
All: 0.000+/-0.000 χ²/NDF: 38187039.7/119

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 893.889+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -585.359+/-373.880 χ^2/NDF: 31.6/37

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

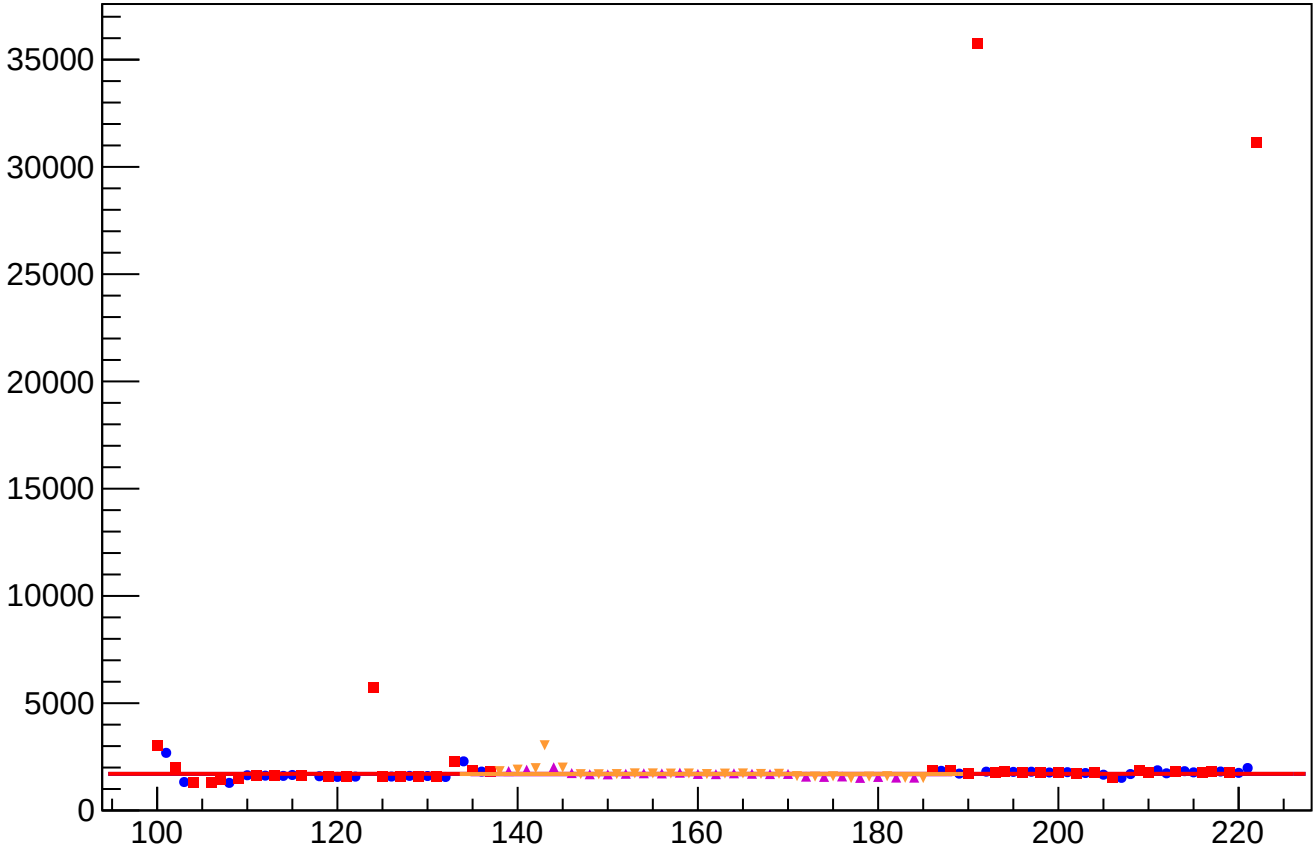
Right: 161.605+/-263.058 χ^2/NDF: 62.9/71

In: 548.637+/-269.871 χ^2/NDF:41.3/56

Out: -129.562+/-269.270 χ^2/NDF:64.3/62

All: 208.782+/-190.615 χ^2/NDF: 108.7/119

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: 1708.175+/-0.264 χ^2/NDF: 2296673.6/37

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

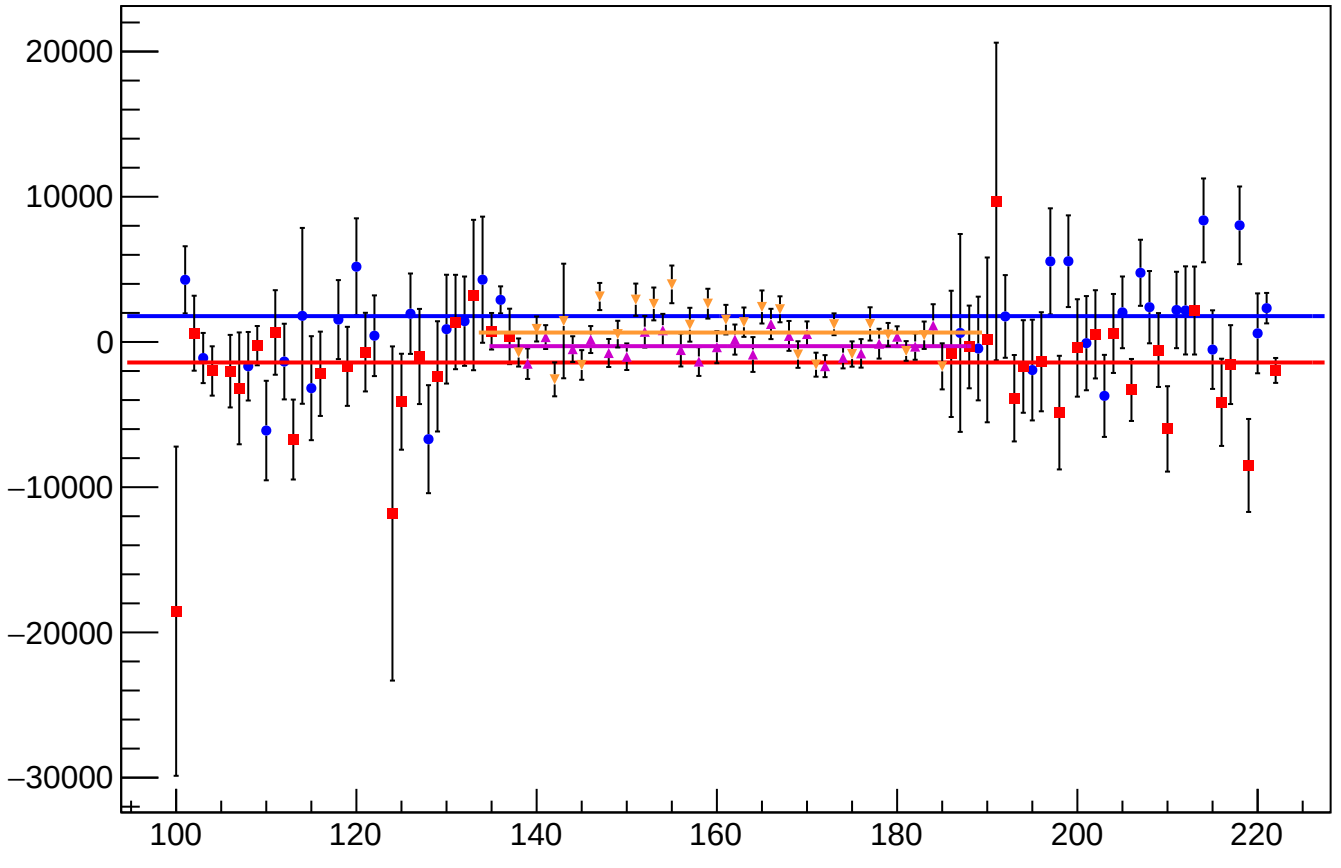
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1705.211+/-0.186 χ^2/NDF: 2845169.1/71

In: 1693.999+/-0.191 χ^2/NDF:715751.7/56

Out: 1703.035+/-0.190 χ^2/NDF:2792856.9/62

All: 1698.527+/-0.135 χ^2/NDF: 3509732.1/11



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: -1412.962+/-394.354 χ^2/NDF: 29.9/37

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

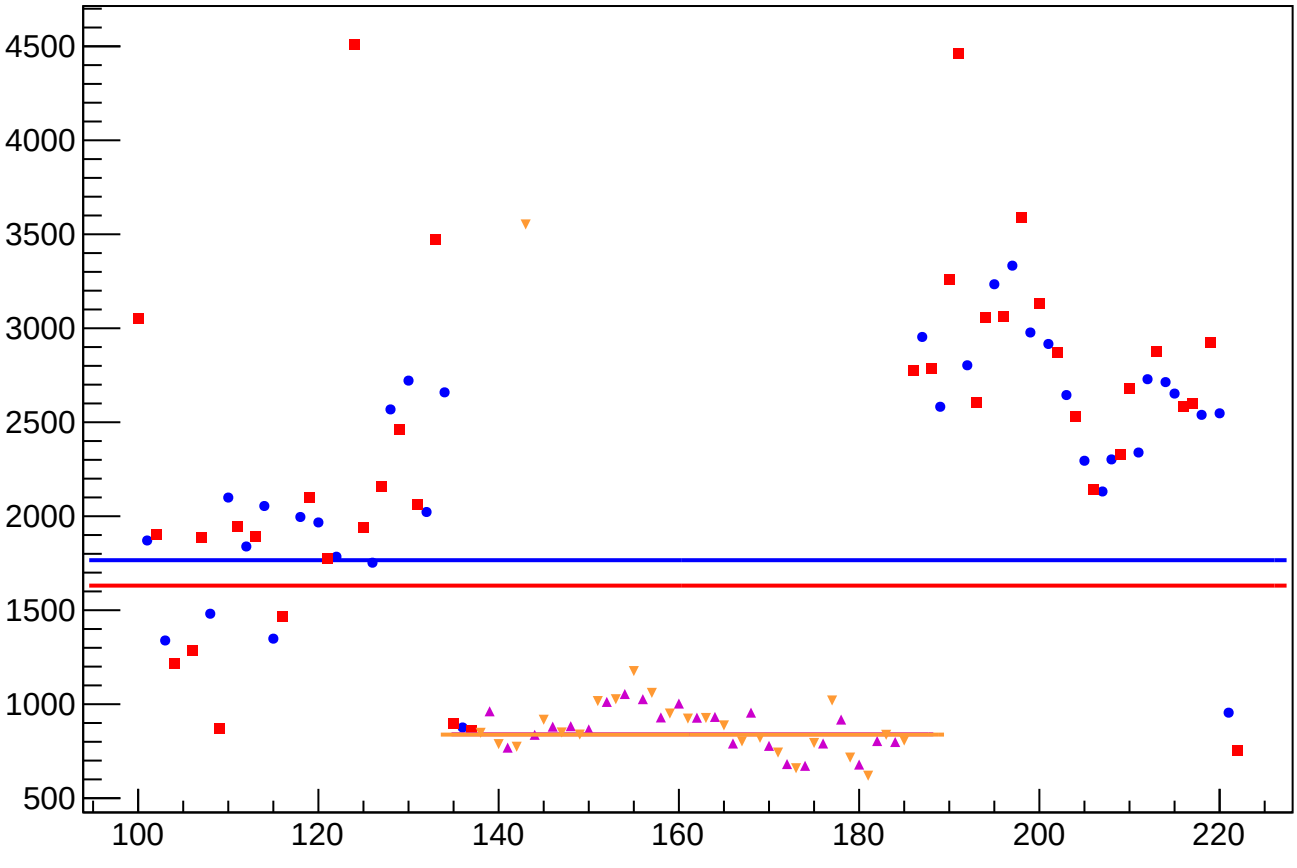
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 113.865+/-284.855 χ^2/NDF: 106.2/71

In: 101.158+/-178.815 χ^2/NDF:82.0/56

Out: 241.777+/-175.280 χ^2/NDF:117.4/62

All: 172.871+/-125.173 χ^2/NDF: 199.7/119



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: 1630.877+/-0.279 χ^2/NDF: 9457830.8/37

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

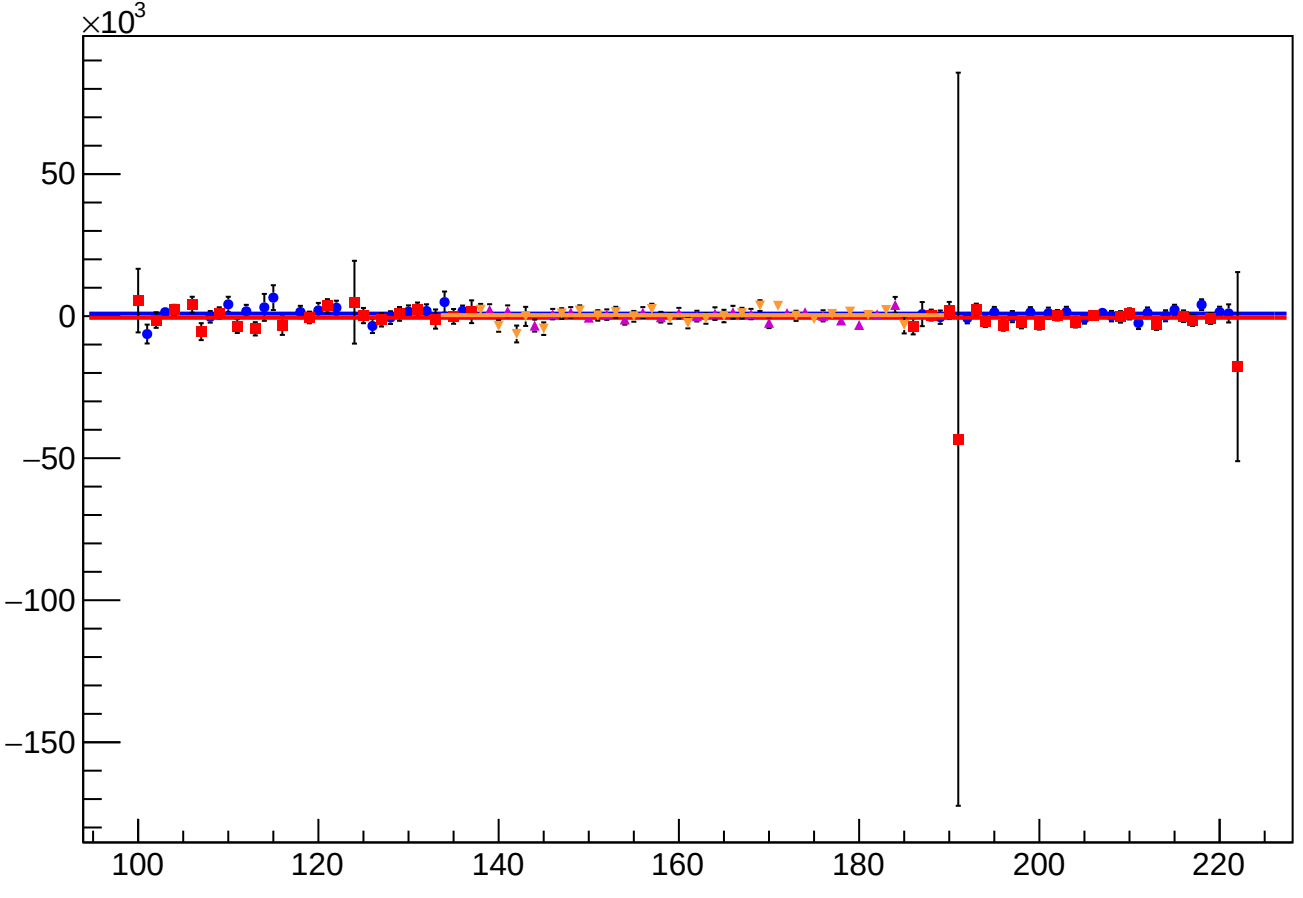
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1695.555+/-0.201 χ^2/NDF: 16335071.4/71

In: 1014.510+/-0.126 χ^2/NDF:15639364.3/56

Out: 994.833+/-0.124 χ^2/NDF:17741695.3/62

All: 1004.475+/-0.089 χ^2/NDF: 33393409.8/



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: -585.449+/-373.880 χ^2/NDF: 31.6/37

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

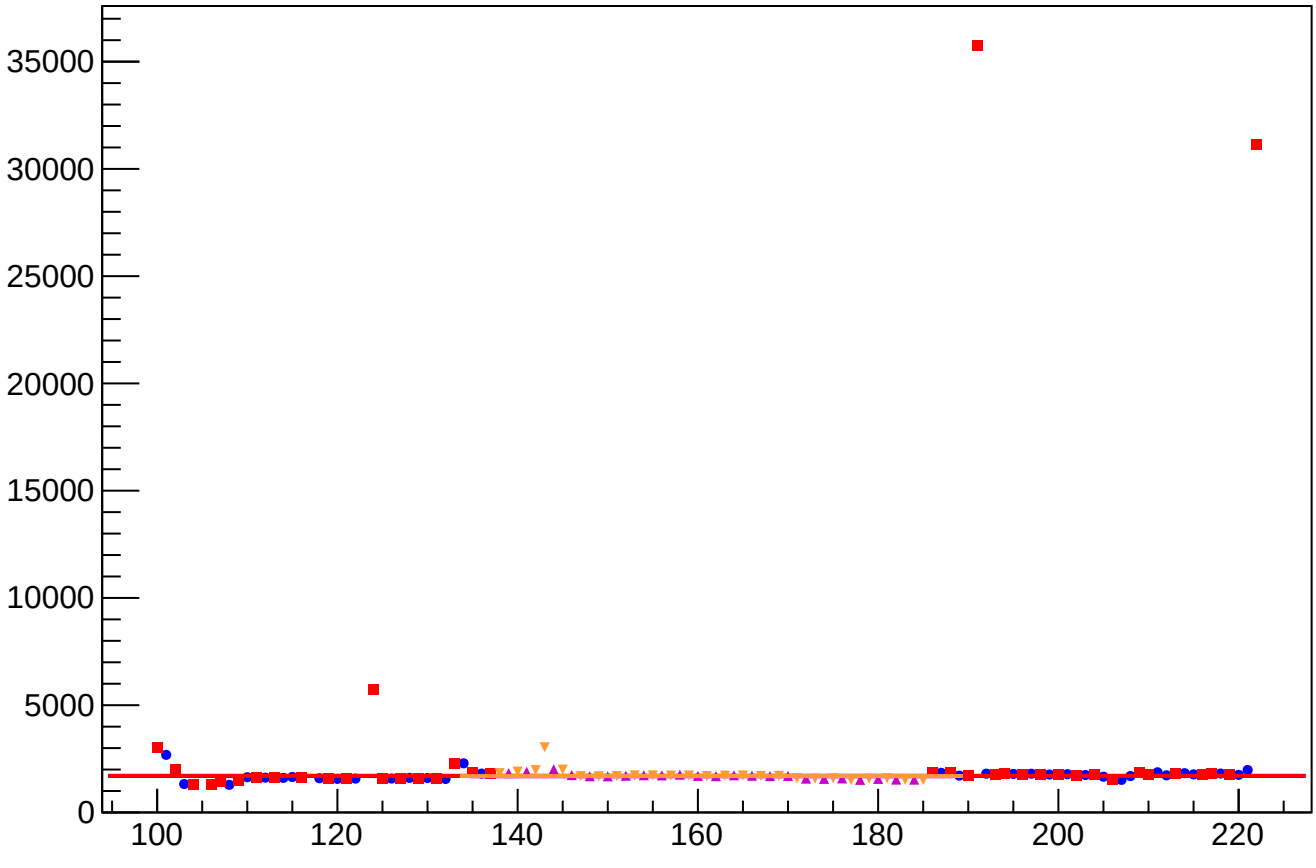
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 161.571+/-263.058 χ^2/NDF: 62.9/71

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -129.649+/-269.270 χ^2/NDF:64.3/62

All: 208.722+/-190.615 χ^2/NDF: 108.7/119



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: 1708.175+/-0.264 χ^2/NDF: 2296673.8/37

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

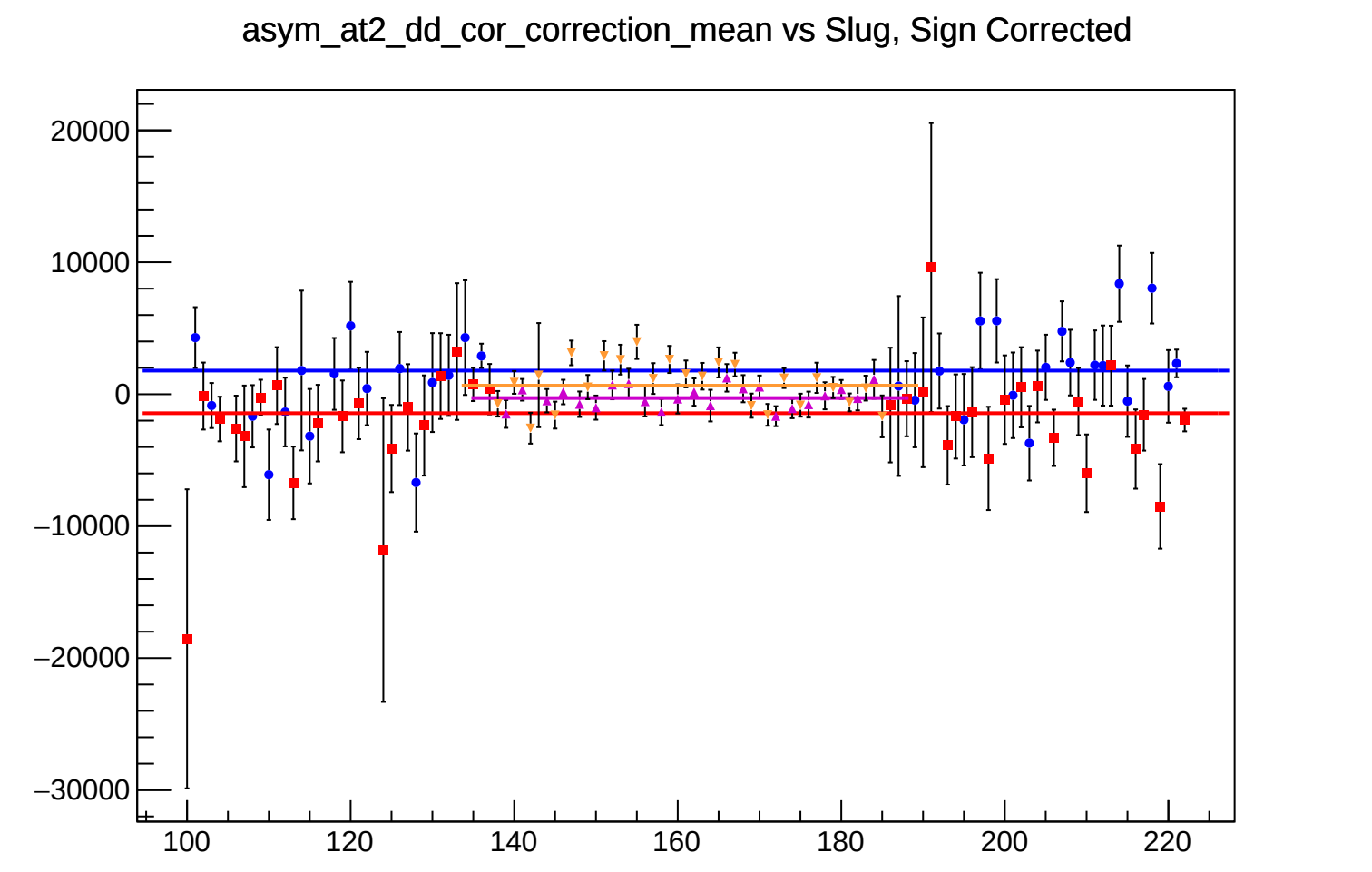
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1705.211+/-0.186 χ^2/NDF: 2845169.7/71

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1703.035+/-0.190 χ^2/NDF:2792857.0/62

All: 1698.527+/-0.135 χ^2/NDF: 3509732.6/11



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: -1437.838+/-394.044 χ^2/NDF: 29.7/37

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

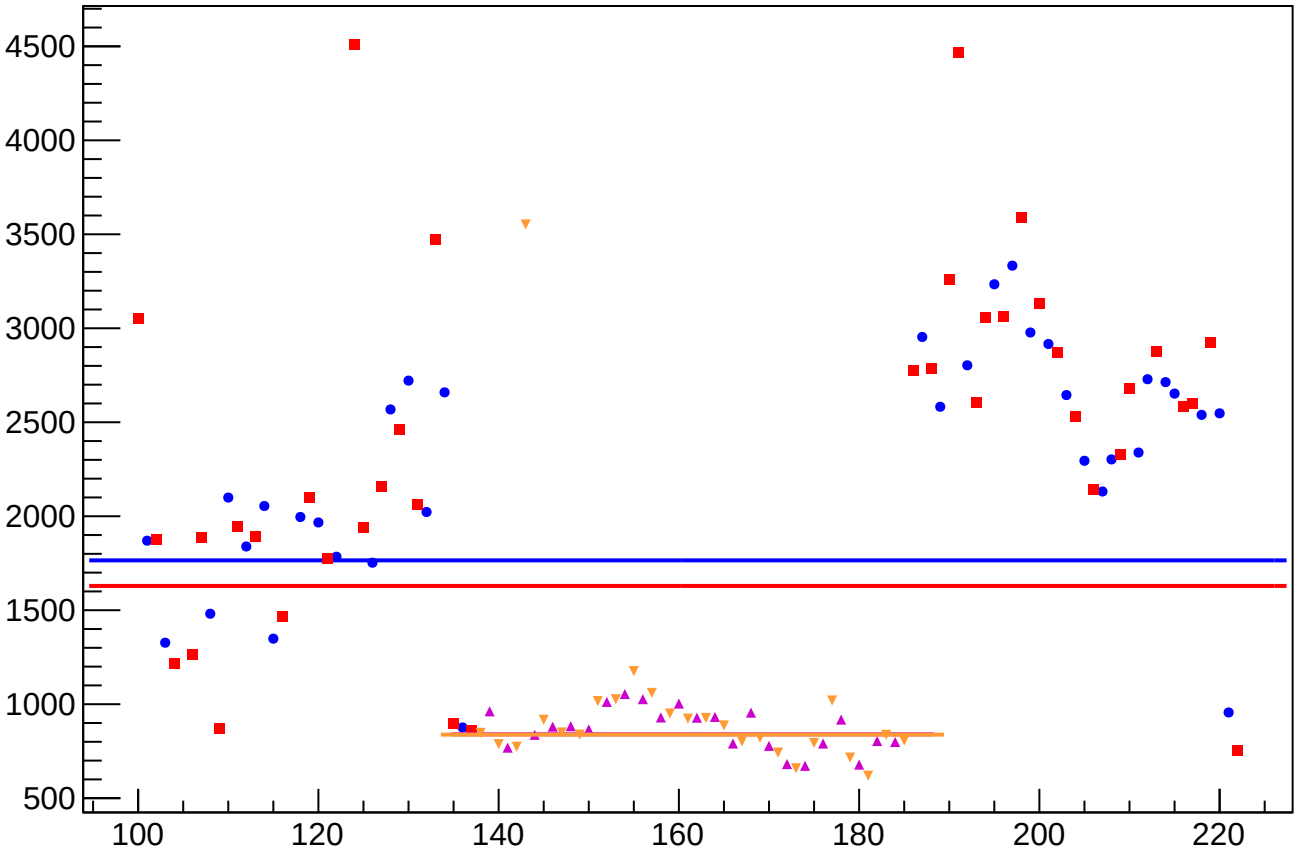
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 105.885+/-284.660 χ^2/NDF: 106.4/71

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 236.334+/-175.255 χ^2/NDF:117.7/62

All: 171.315+/-125.157 χ^2/NDF: 199.8/119



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: 1629.236+/-0.279 χ^2/NDF: 9465780.9/37

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

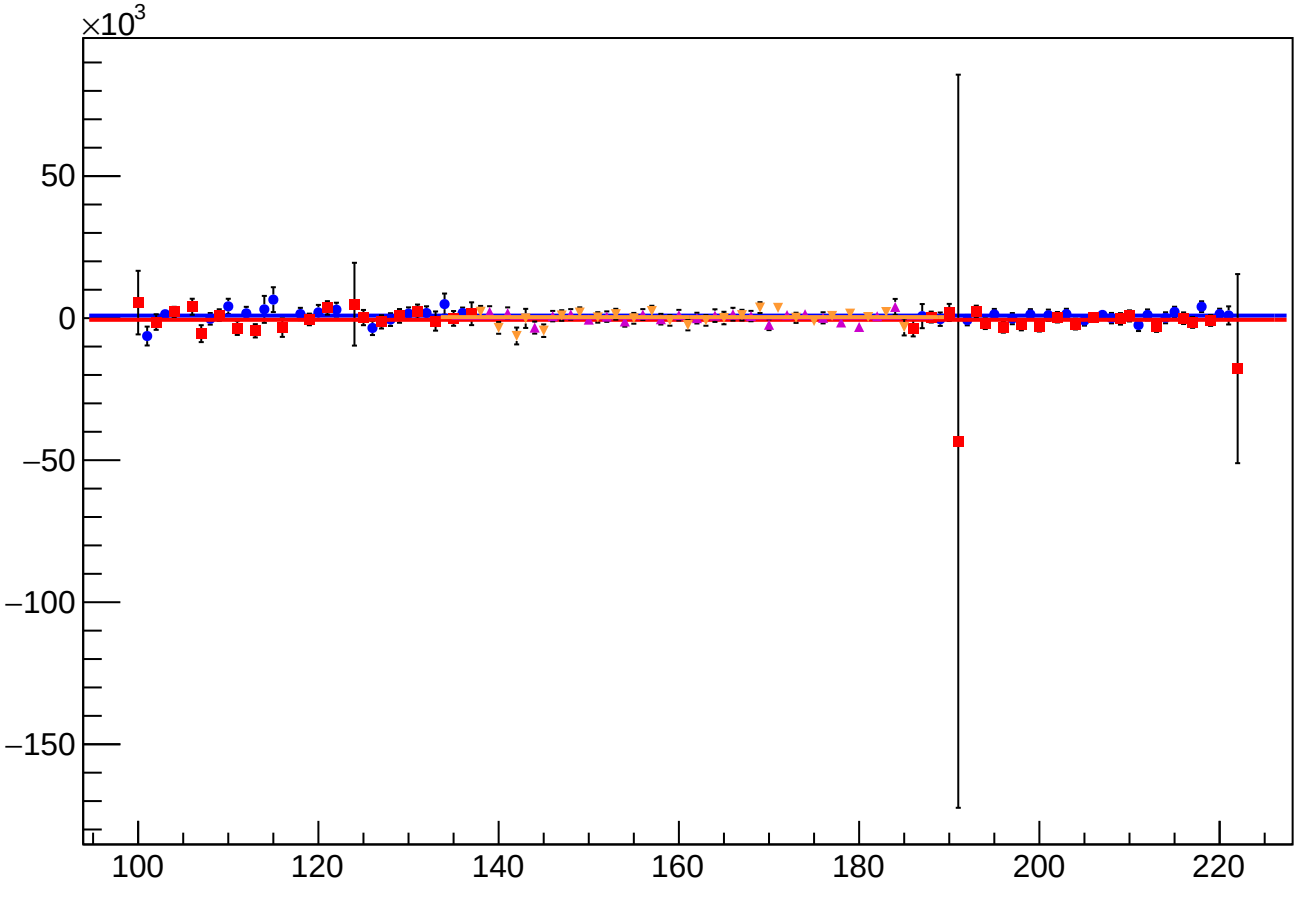
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1694.252+/-0.201 χ^2/NDF: 16348725.9/71

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 994.718+/-0.124 χ^2/NDF:17730653.1/62

All: 1004.414+/-0.088 χ^2/NDF: 33378449.7/1



Right In: 893.909+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -585.449+/-373.880 χ^2/NDF: 31.6/37

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

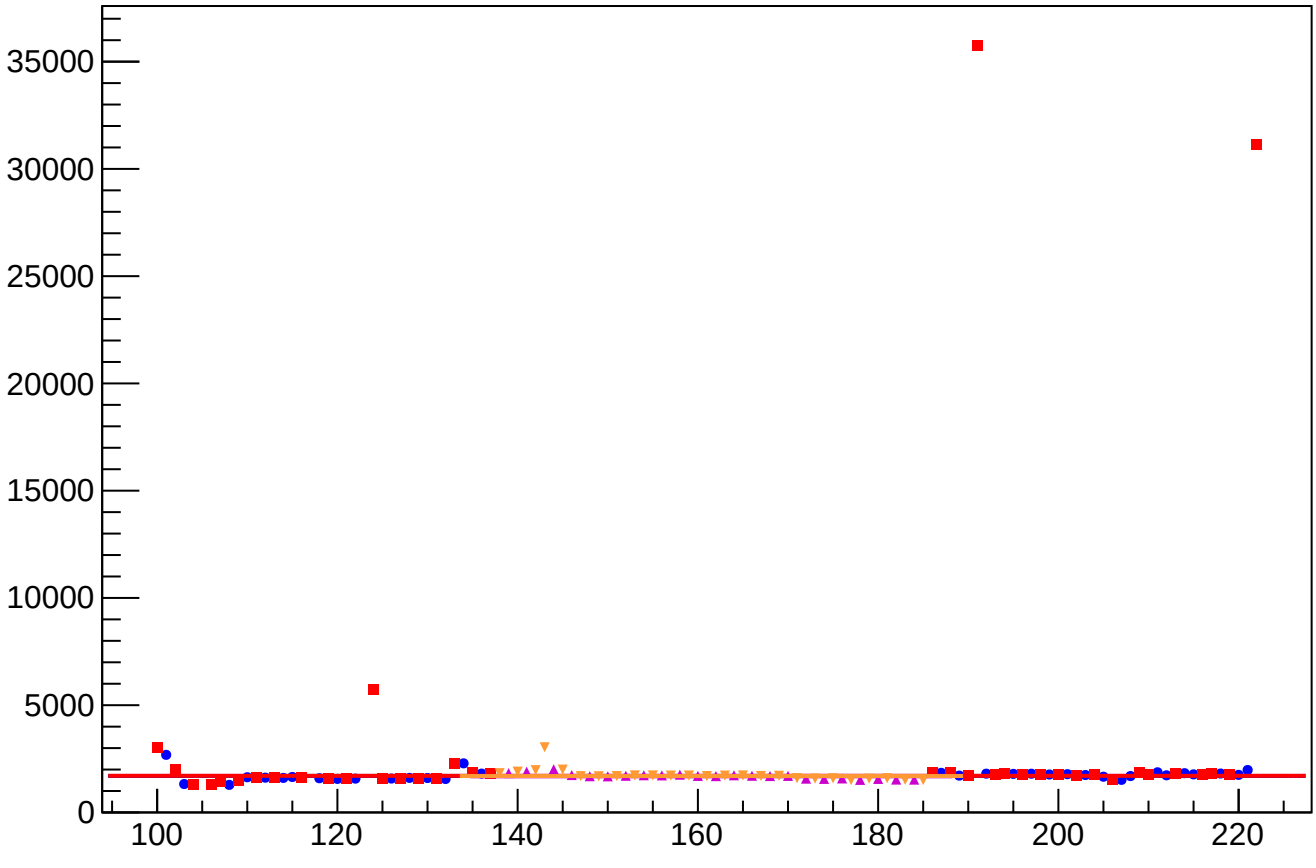
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 161.571+/-263.058 χ^2/NDF: 62.9/71

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -129.649+/-269.270 χ^2/NDF:64.3/62

All: 208.722+/-190.615 χ^2/NDF: 108.7/119



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: 1708.175+/-0.264 χ^2/NDF: 2296673.8/37

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

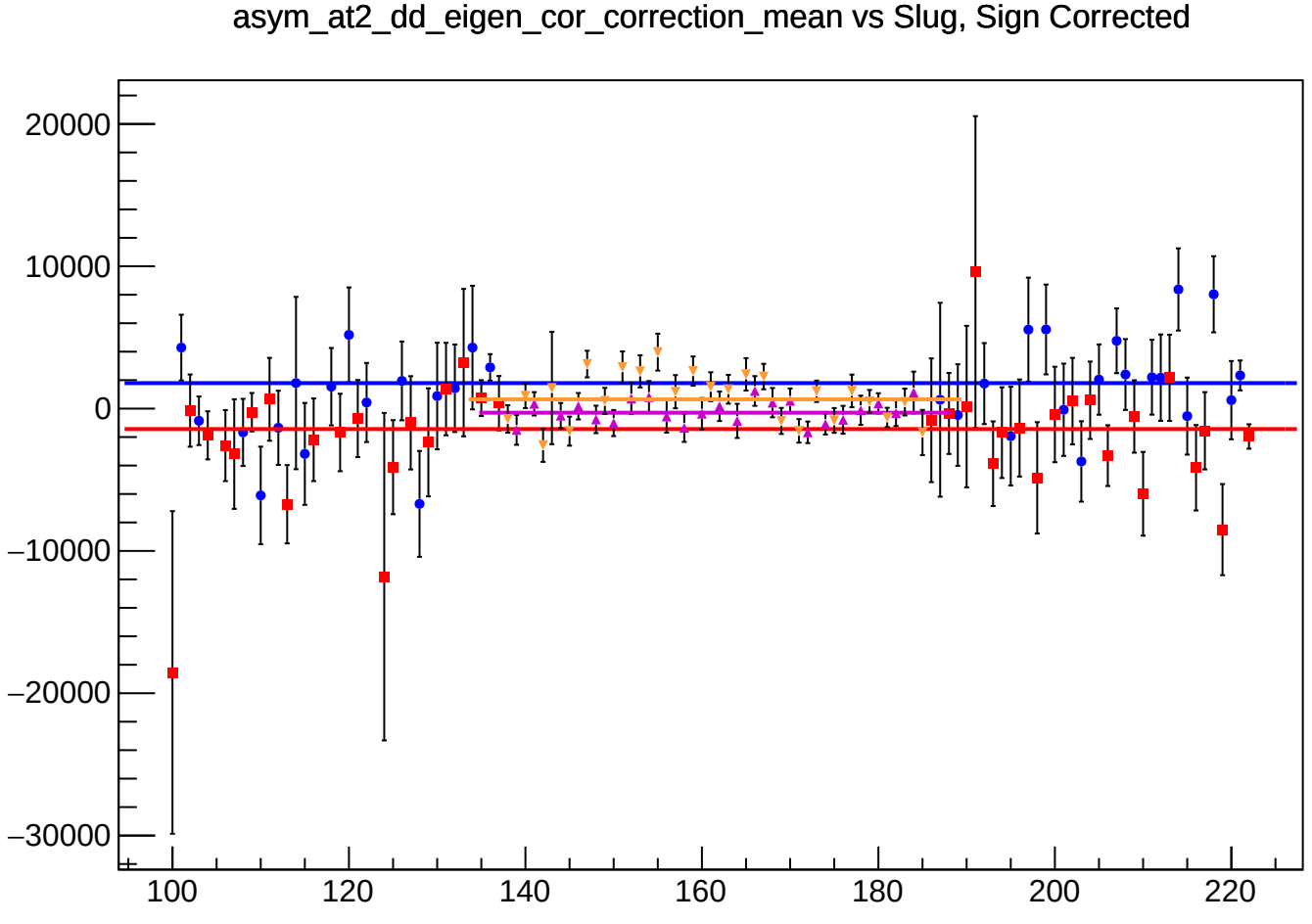
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1705.211+/-0.186 χ^2/NDF: 2845169.7/71

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1703.035+/-0.190 χ^2/NDF:2792857.0/62

All: 1698.527+/-0.135 χ^2/NDF: 3509732.6/11



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: -1437.838+/-394.044 χ^2/NDF: 29.7/37

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

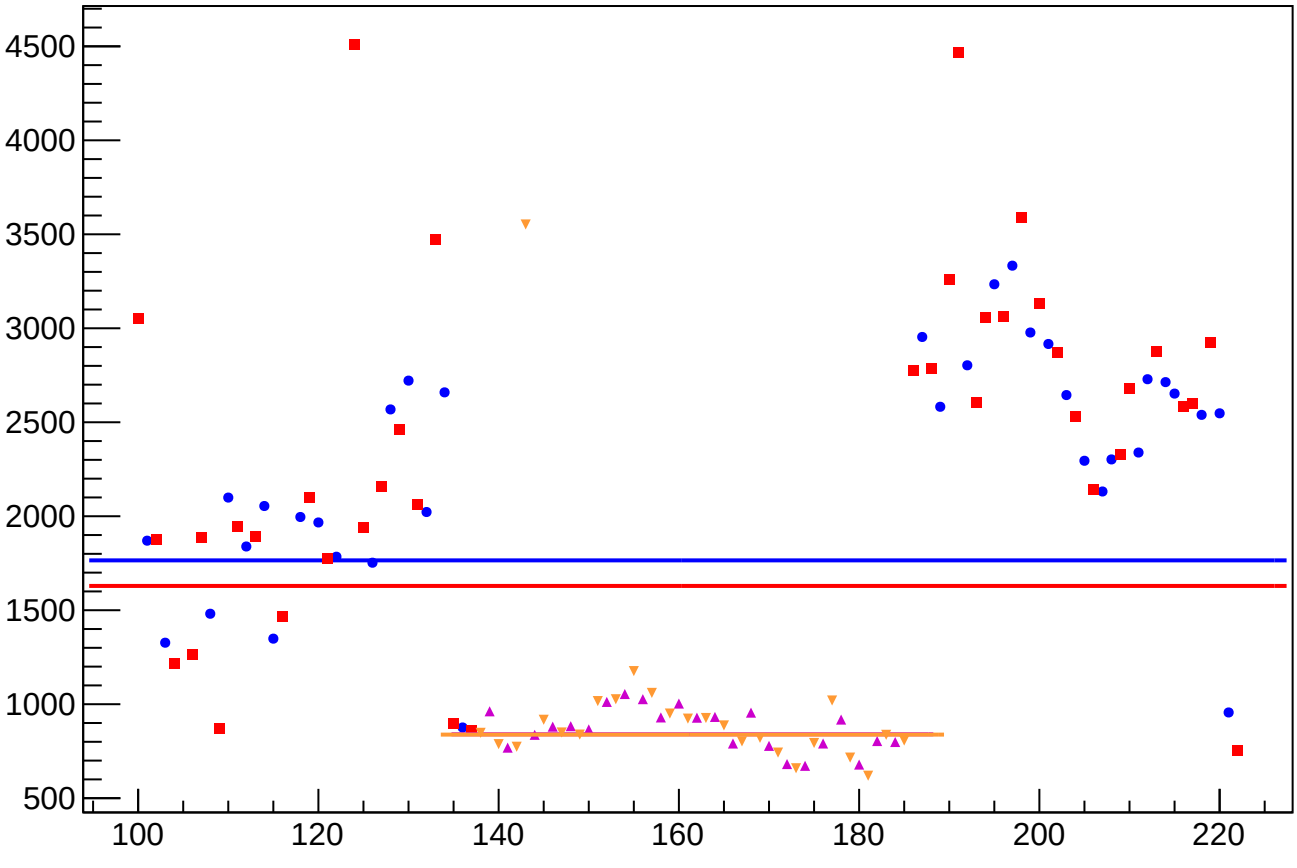
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 105.885+/-284.660 χ^2/NDF: 106.4/71

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 236.334+/-175.255 χ^2/NDF:117.7/62

All: 171.315+/-125.157 χ^2/NDF: 199.8/119



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: 1629.236+/-0.279 χ^2/NDF: 9465780.9/37

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

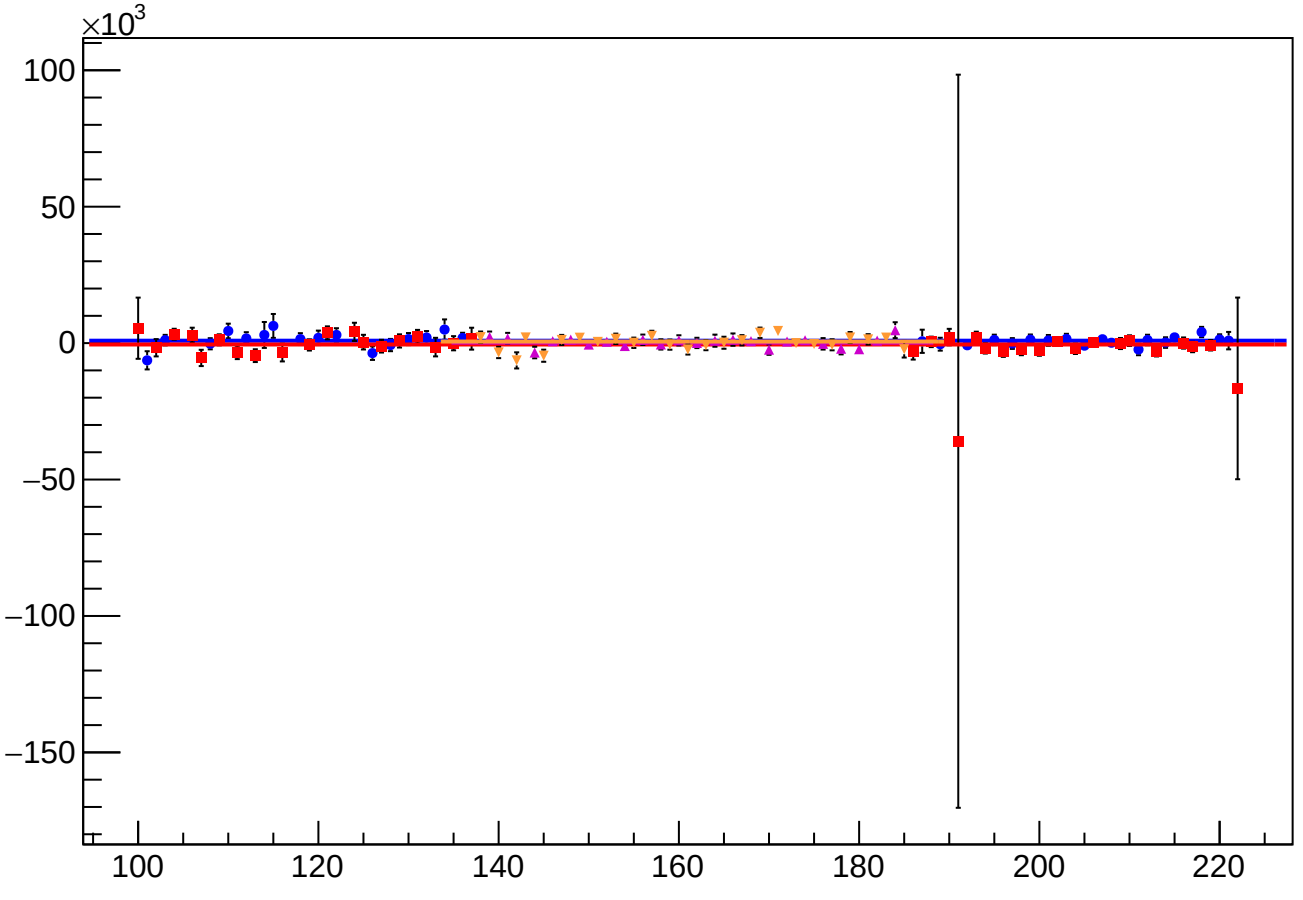
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1694.252+/-0.201 χ^2/NDF: 16348725.9/71

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 994.718+/-0.124 χ^2/NDF:17730653.1/62

All: 1004.414+/-0.088 χ^2/NDF: 33378449.7/1



Right In: 886.246+/-372.370 χ^2/NDF: 23.8/33

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -503.028+/-374.328 χ^2/NDF: 34.0/37

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

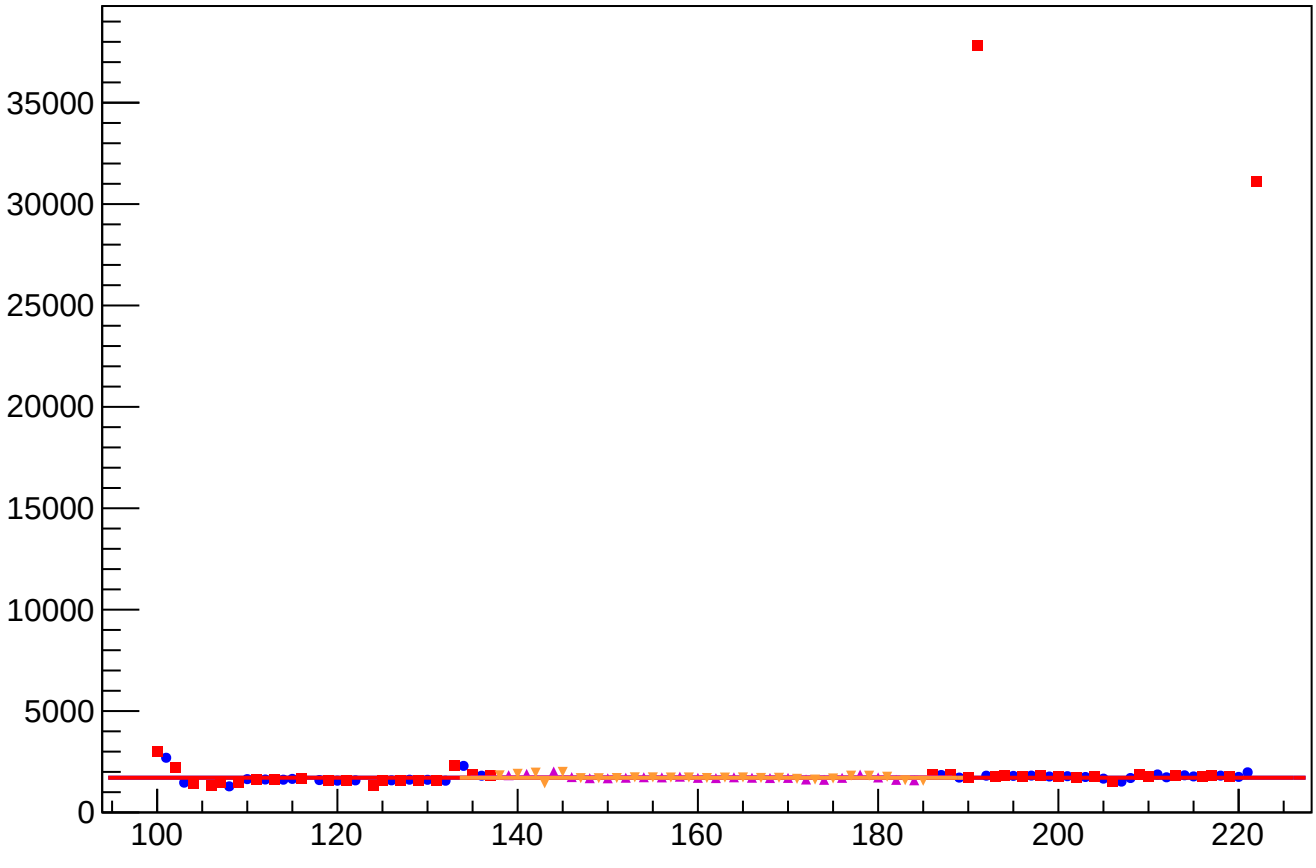
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 195.251+/-263.995 χ^2/NDF: 64.7/71

In: 564.610+/-273.835 χ^2/NDF:39.9/56

Out: 16.752+/-269.983 χ^2/NDF:69.9/62

All: 286.801+/-192.254 χ^2/NDF: 111.8/119



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: 1712.757+/-0.265 χ^2/NDF: 2154795.9/37

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

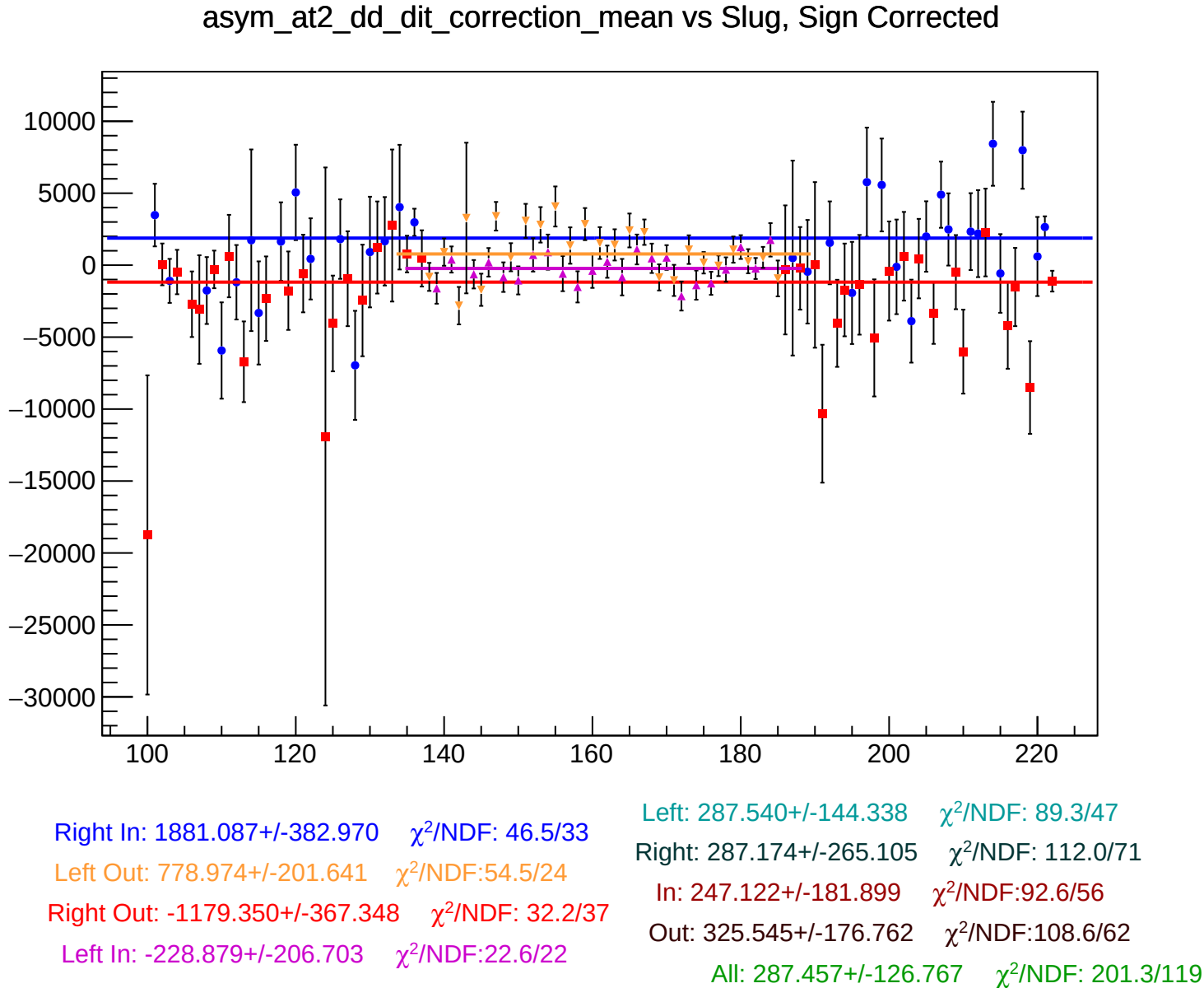
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

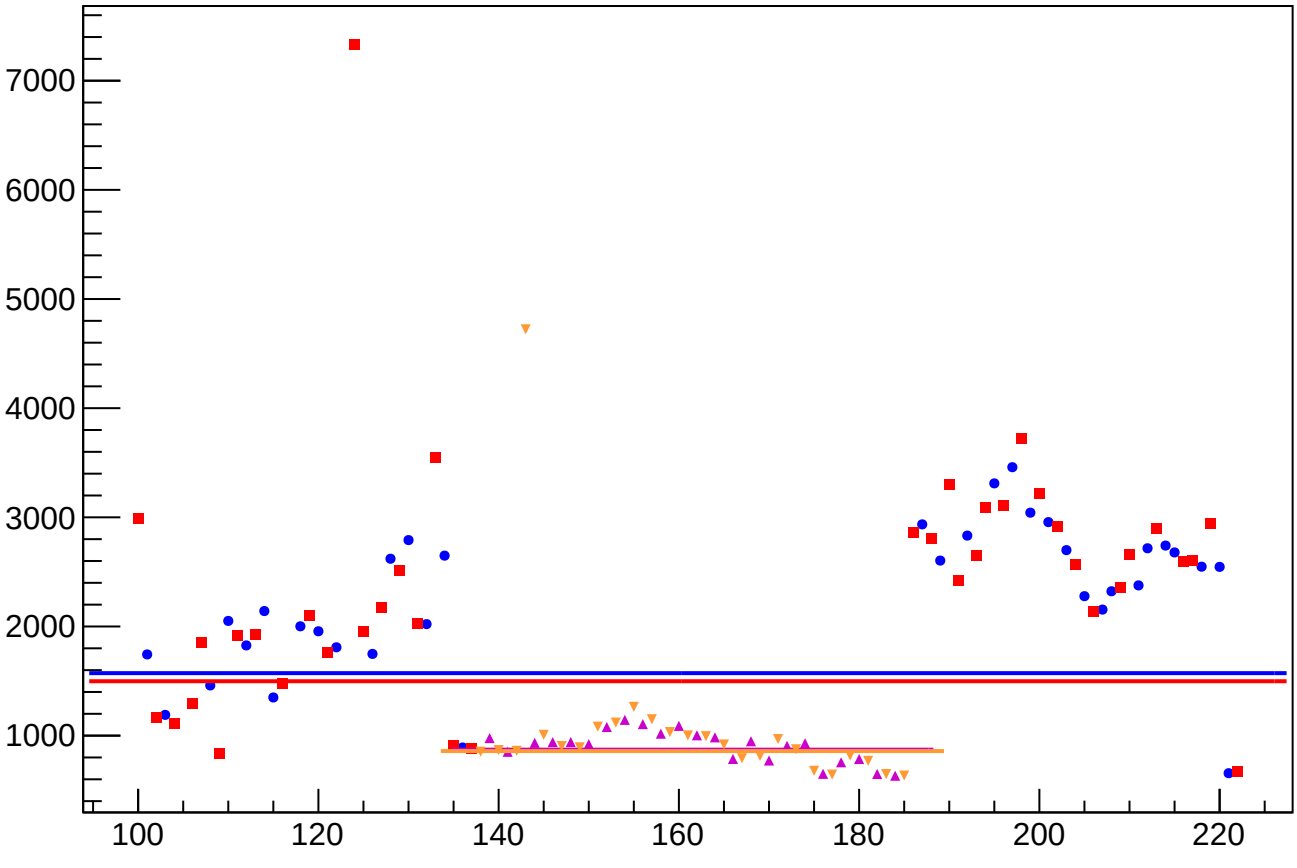
Right: 1713.181+/-0.187 χ^2/NDF: 2641364.6/71

In: 1720.173+/-0.194 χ^2/NDF:588147.1/56

Out: 1712.255+/-0.191 χ^2/NDF:2322809.7/62

All: 1716.158+/-0.136 χ^2/NDF: 2911804.6/11


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
220
Right In: 1881.087+/-382.970 χ²/NDF: 46.5/33
Left Out: 778.974+/-201.641 χ²/NDF:54.5/24
Right Out: -1179.350+/-367.348 χ²/NDF: 32.2/37
Left In: -228.879+/-206.703 χ²/NDF:22.6/22
Left: 287.540+/-144.338 χ²/NDF: 89.3/47
Right: 287.174+/-265.105 χ²/NDF: 112.0/71
In: 247.122+/-181.899 χ²/NDF:92.6/56
Out: 325.545+/-176.762 χ²/NDF:108.6/62
All: 287.457+/-126.767 χ²/NDF: 201.3/119



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: 1498.407+/-0.260 χ^2/NDF: 11073135.6/37

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

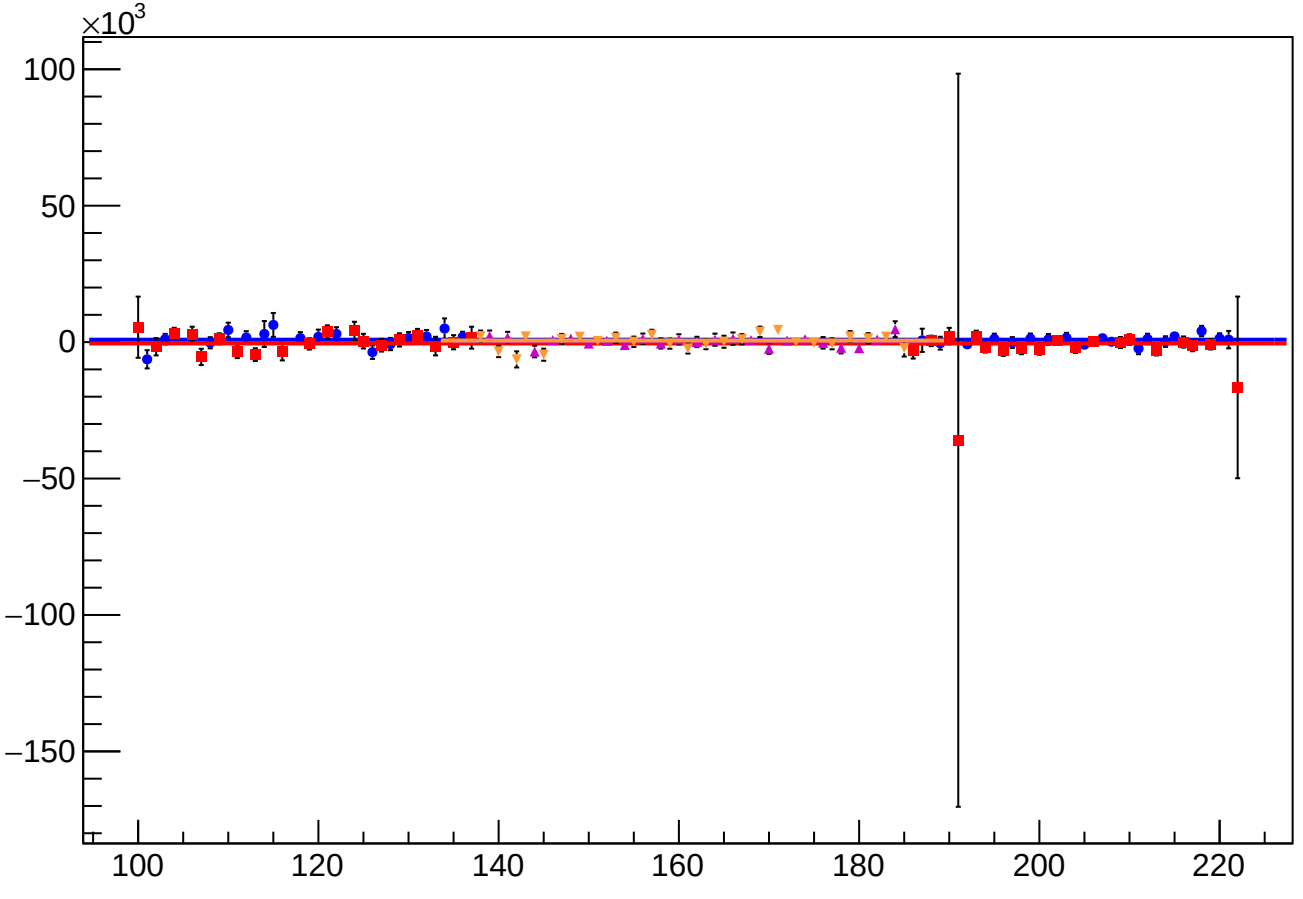
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1533.931+/-0.187 χ^2/NDF: 20789485.3/71

In: 1029.673+/-0.129 χ^2/NDF:15846107.6/56

Out: 1006.735+/-0.125 χ^2/NDF:18015263.4/62

All: 1017.875+/-0.090 χ^2/NDF: 33877728.1/1



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: -503.024+/-374.328 χ^2/NDF: 34.0/37

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

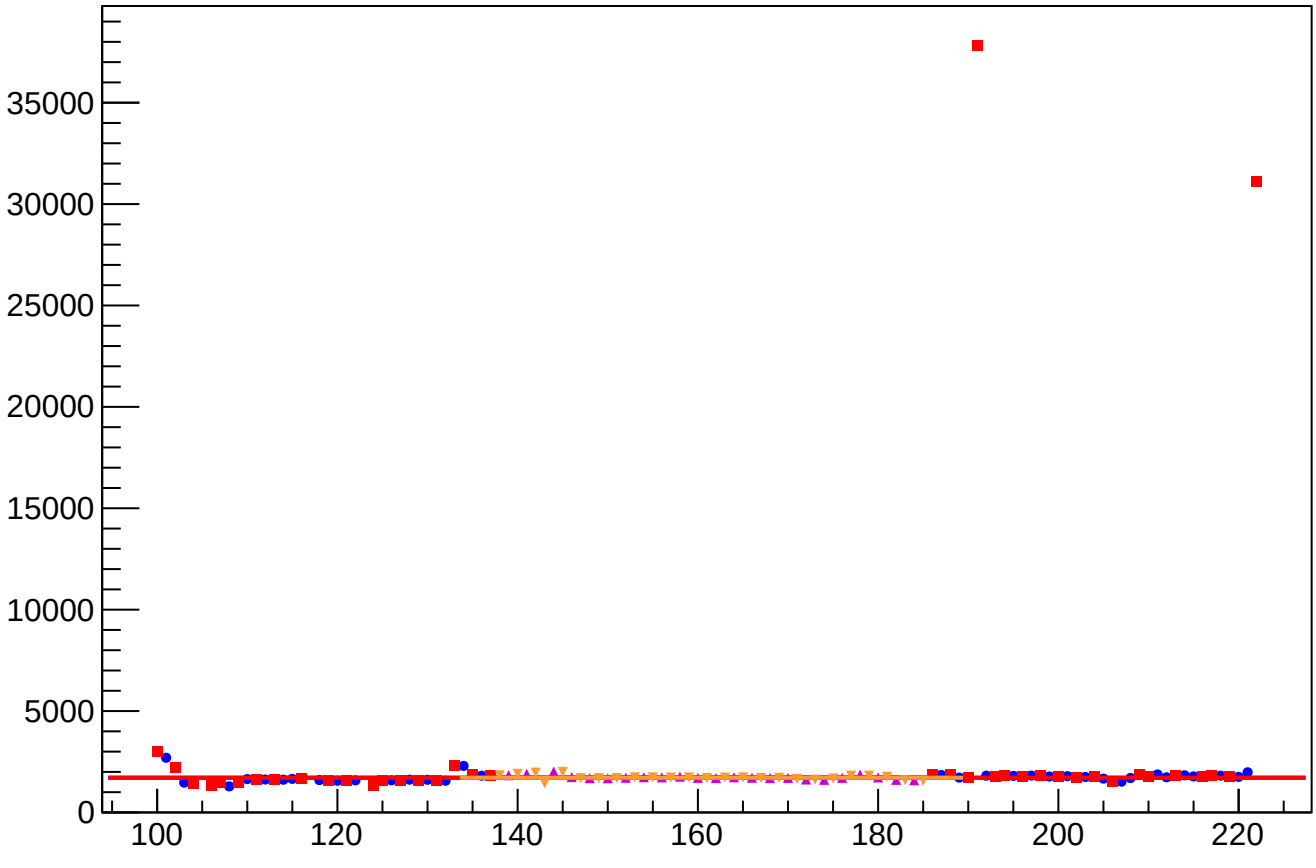
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 195.249+/-263.995 χ^2/NDF: 64.7/71

In: 564.606+/-273.835 χ^2/NDF:39.9/56

Out: 16.752+/-269.983 χ^2/NDF:69.9/62

All: 286.799+/-192.254 χ^2/NDF: 111.8/119



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: 1712.757+/-0.265 χ^2/NDF: 2154796.1/37

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

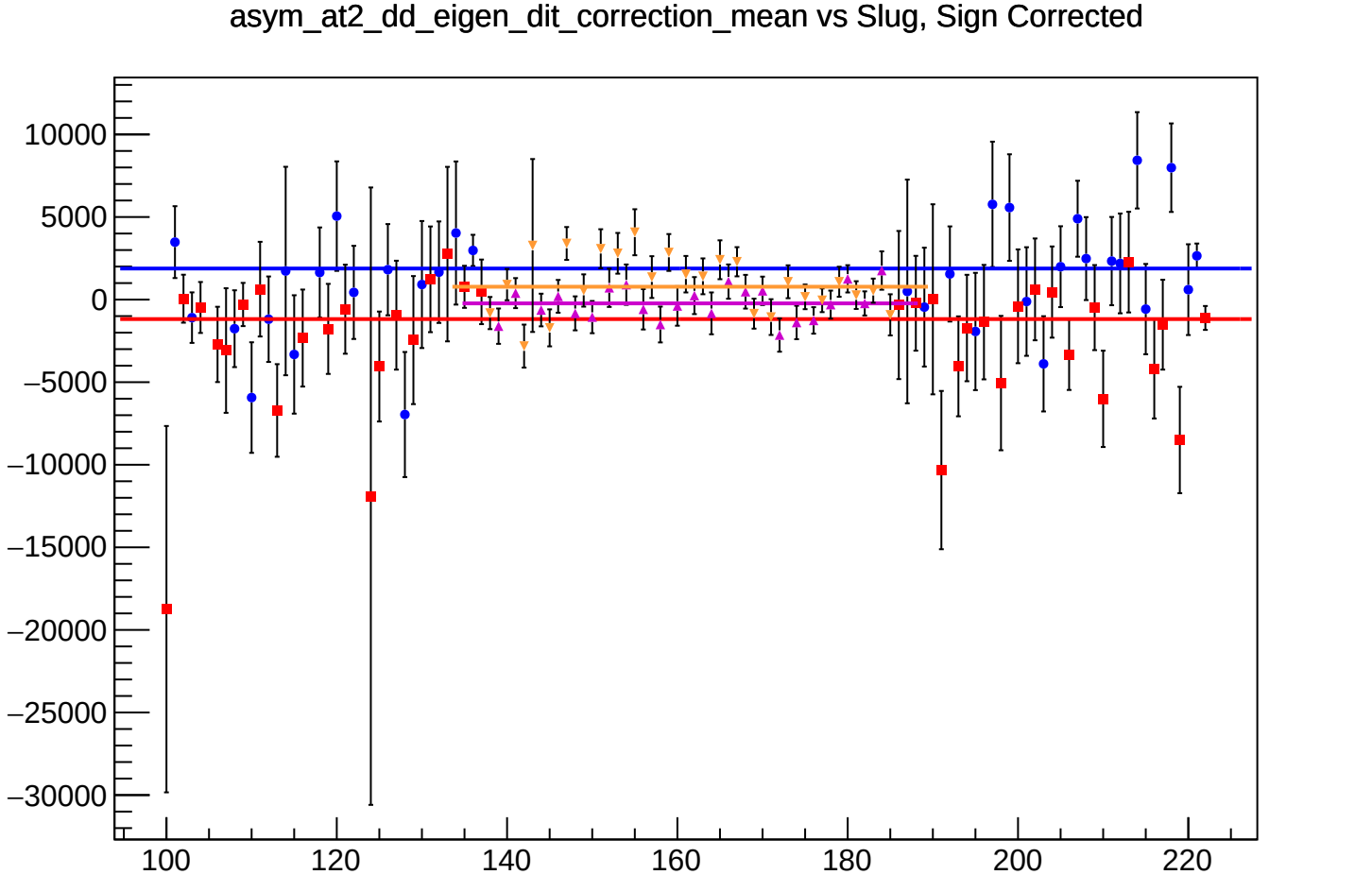
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1713.181+/-0.187 χ^2/NDF: 2641364.7/71

In: 1720.172+/-0.194 χ^2/NDF:588146.9/56

Out: 1712.255+/-0.191 χ^2/NDF:2322808.7/62

All: 1716.158+/-0.136 χ^2/NDF: 2911803.4/11



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: -1179.359+/-367.349 χ^2/NDF: 32.2/37

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

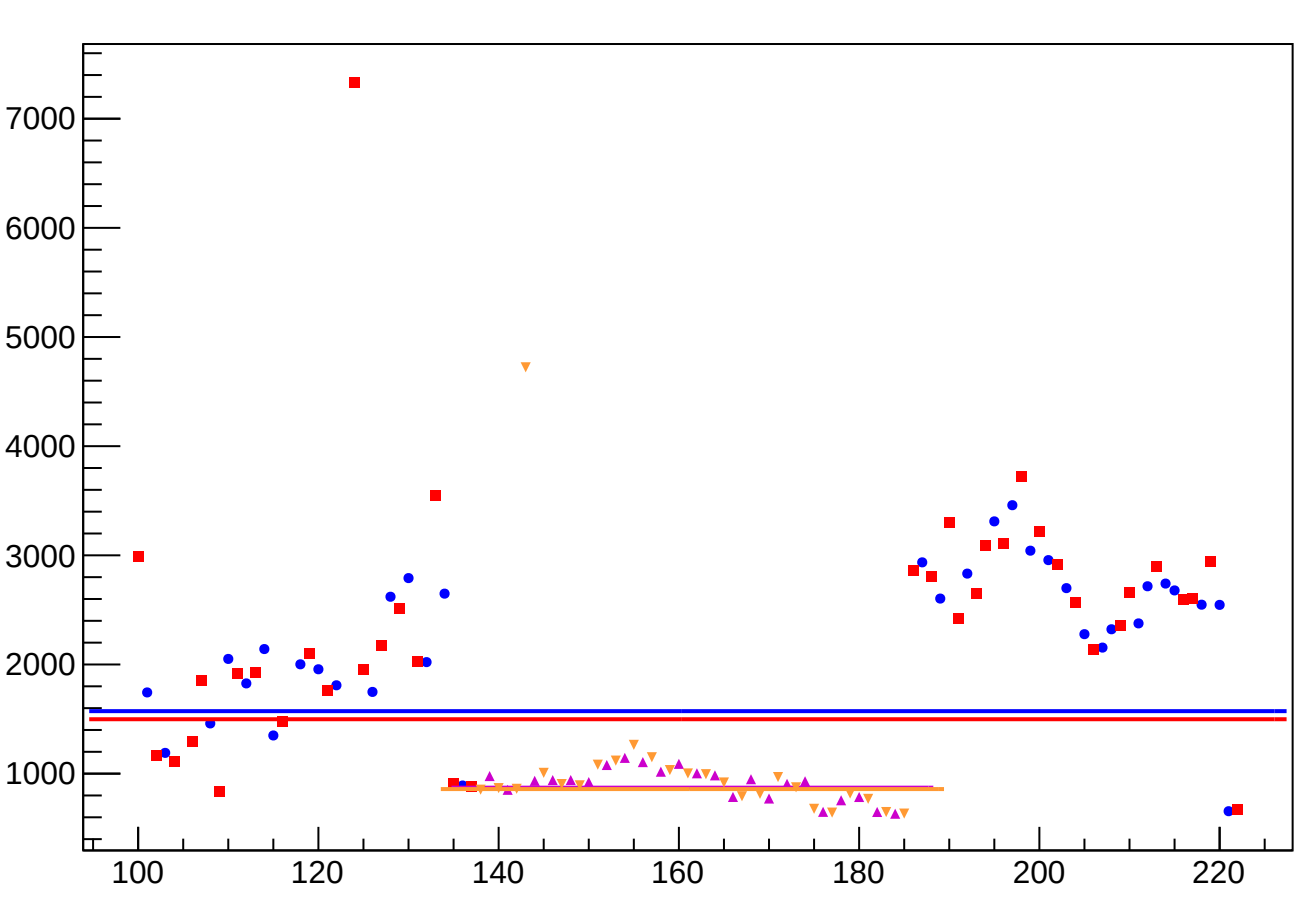
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 287.171+/-265.106 χ^2/NDF: 112.0/71

In: 247.121+/-181.899 χ^2/NDF:92.6/56

Out: 325.548+/-176.762 χ^2/NDF:108.6/62

All: 287.457+/-126.767 χ^2/NDF: 201.3/119



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: 1498.414+/-0.260 χ^2/NDF: 11073044.5/37

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

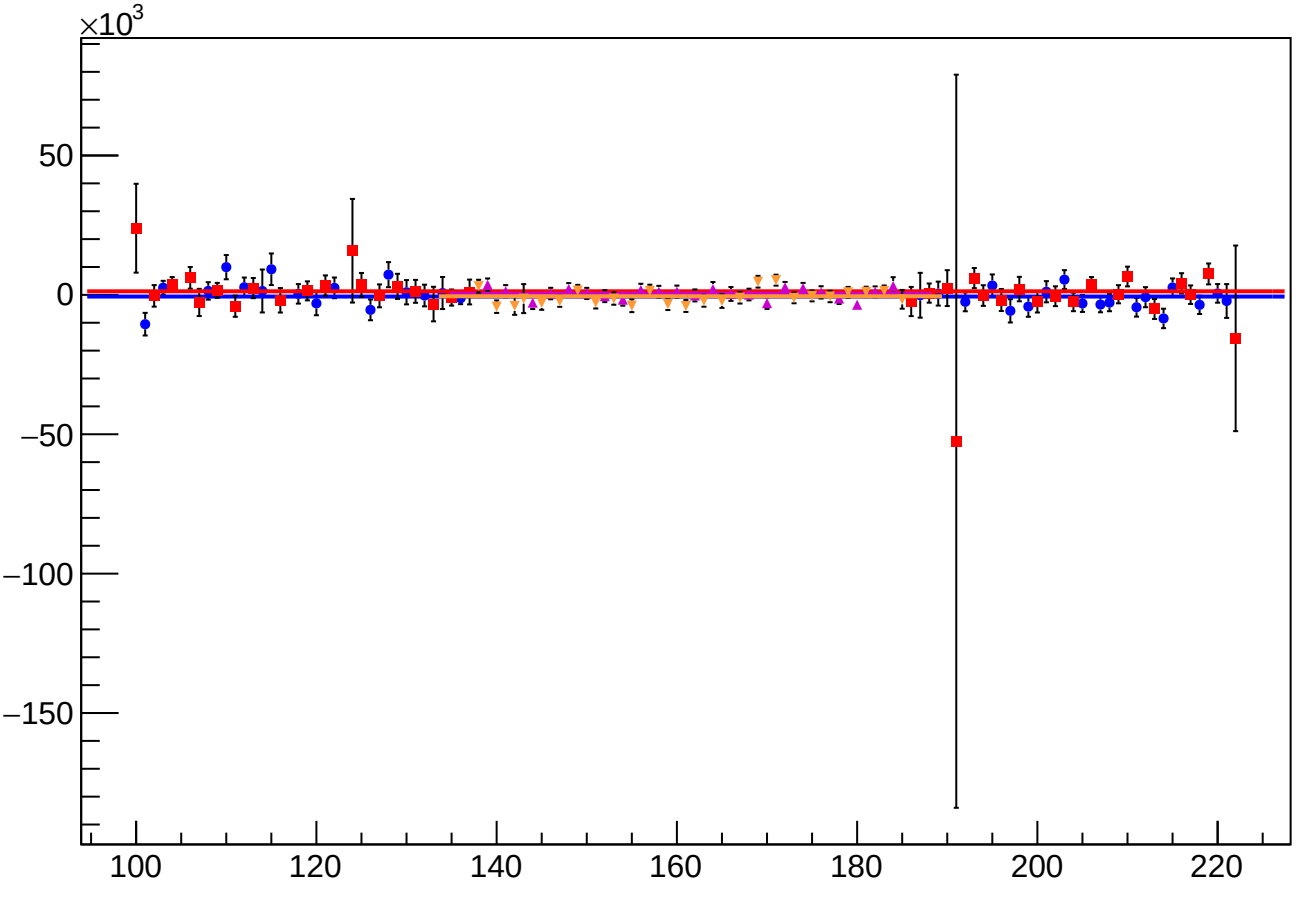
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1533.938+/-0.187 χ^2/NDF: 20789250.7/71

In: 1029.673+/-0.129 χ^2/NDF:15846073.3/56

Out: 1006.736+/-0.125 χ^2/NDF:18015238.8/62

All: 1017.876+/-0.090 χ^2/NDF: 33877667.6/



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: 1279.950+/-626.938 χ^2/NDF: 26.8/37

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

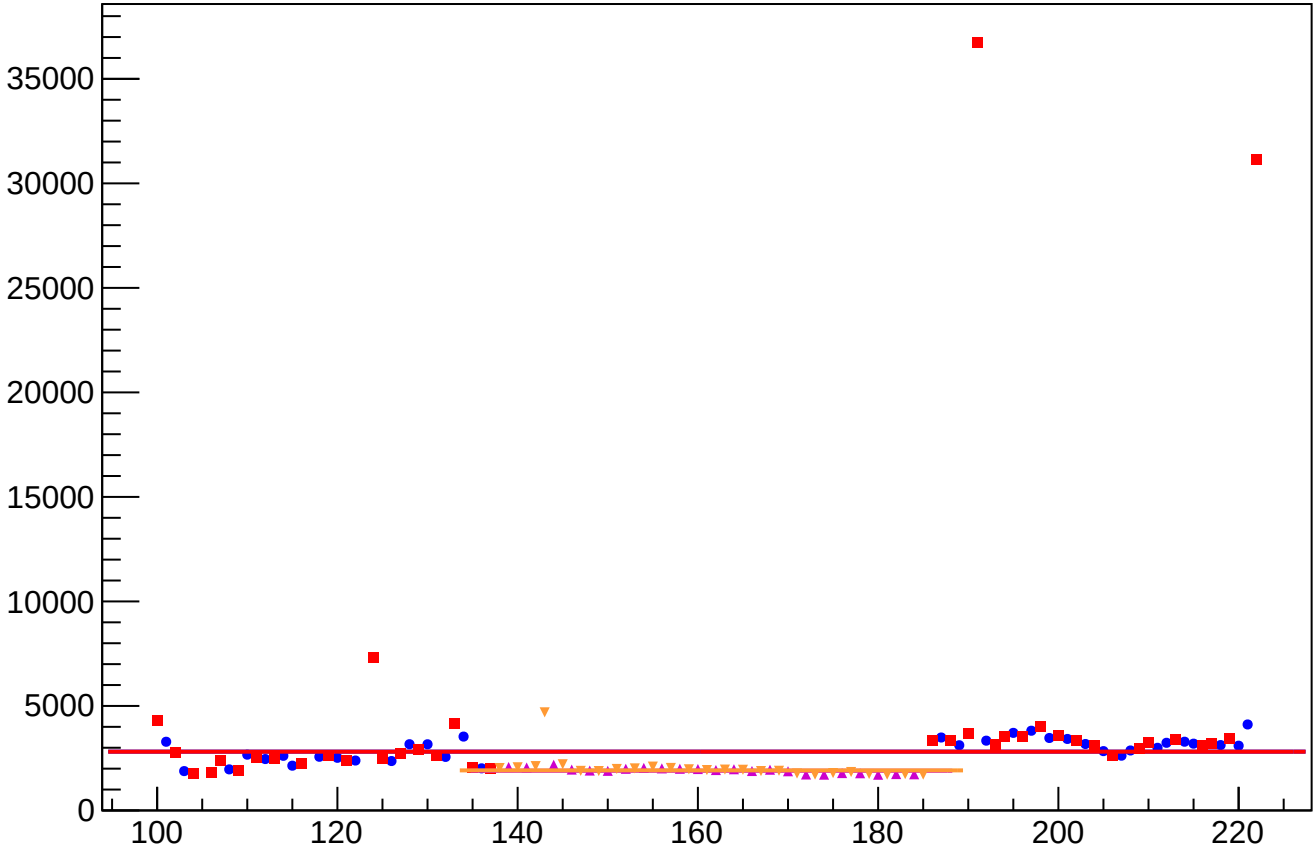
Right: 327.099+/-440.630 χ^2/NDF: 73.0/71

In: 66.450+/-361.176 χ^2/NDF:62.3/56

Out: 86.233+/-360.107 χ^2/NDF:68.1/62

All: 76.371+/-255.011 χ^2/NDF: 130.4/119

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: 2811.770+/-0.443 χ^2/NDF: 3624369.7/37

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

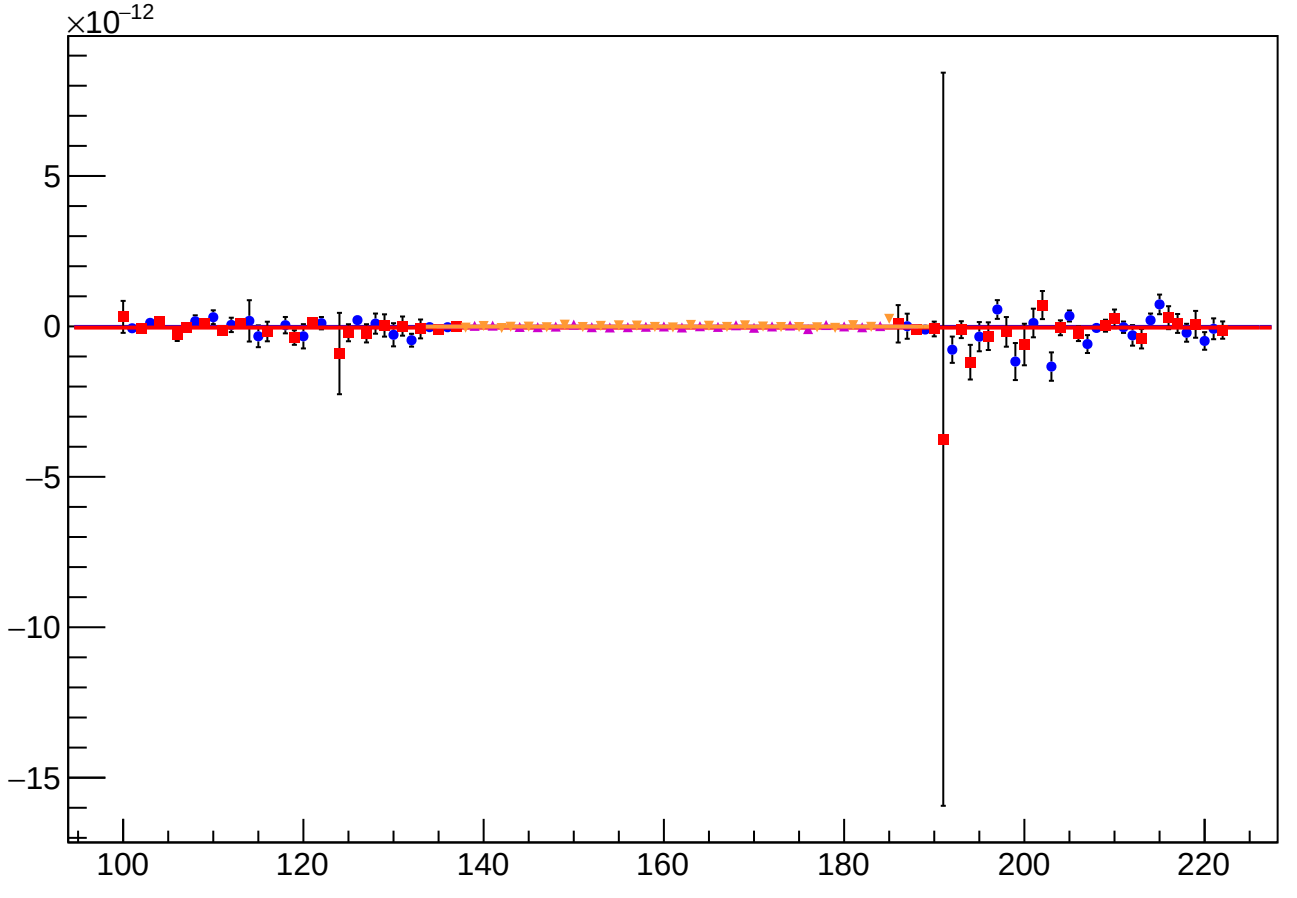
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2813.190+/-0.312 χ^2/NDF: 5213916.8/71

In: 2210.449+/-0.255 χ^2/NDF:4645383.0/56

Out: 2212.314+/-0.255 χ^2/NDF:7109592.9/62

All: 2211.384+/-0.180 χ^2/NDF: 11755002.6/1



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: 27.5/37

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

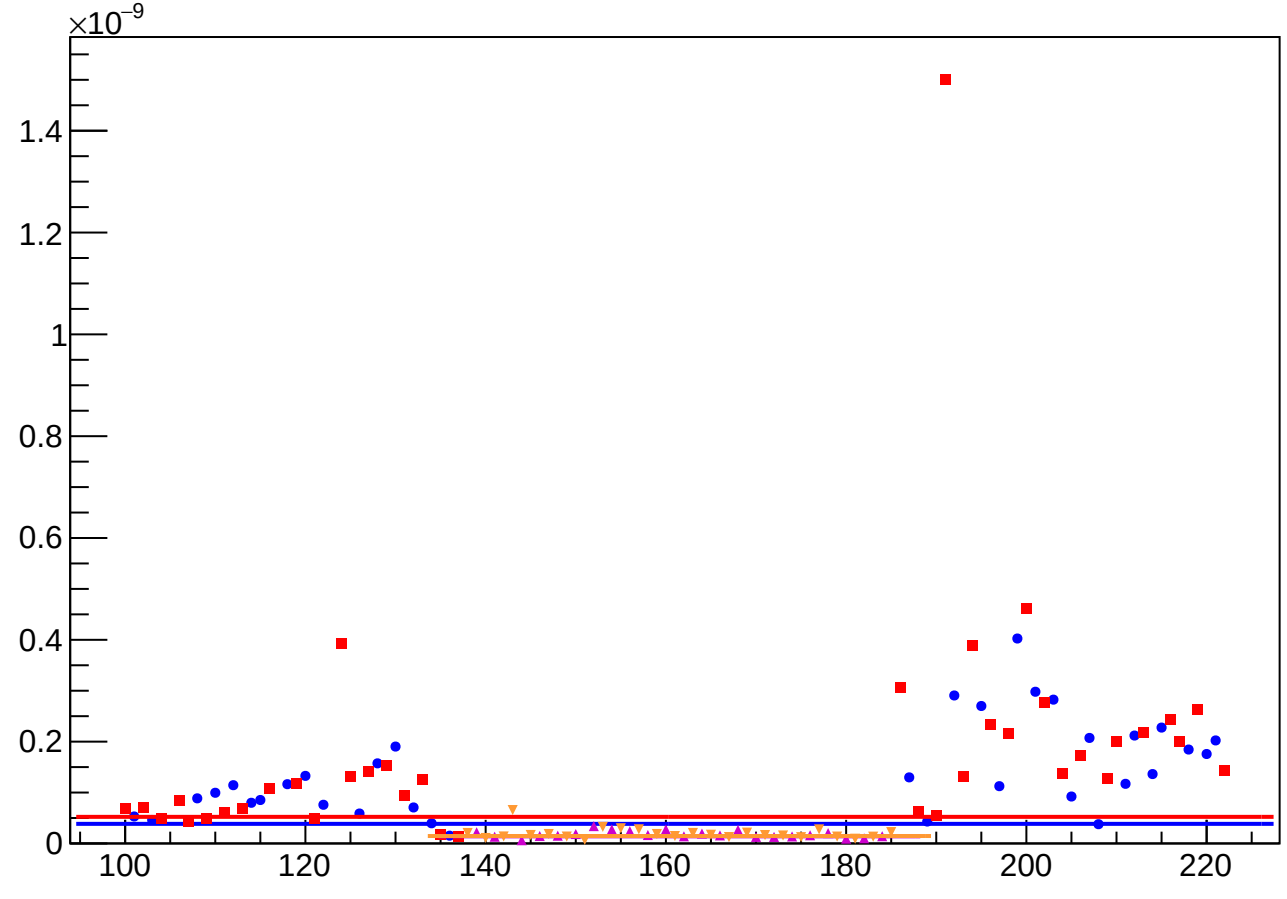
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 79.1/71

In: -0.000+/-0.000 χ^2/NDF:76.4/56

Out: -0.000+/-0.000 χ^2/NDF:57.6/62

All: -0.000+/-0.000 χ^2/NDF: 134.0/119



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: 9566881.3/37

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

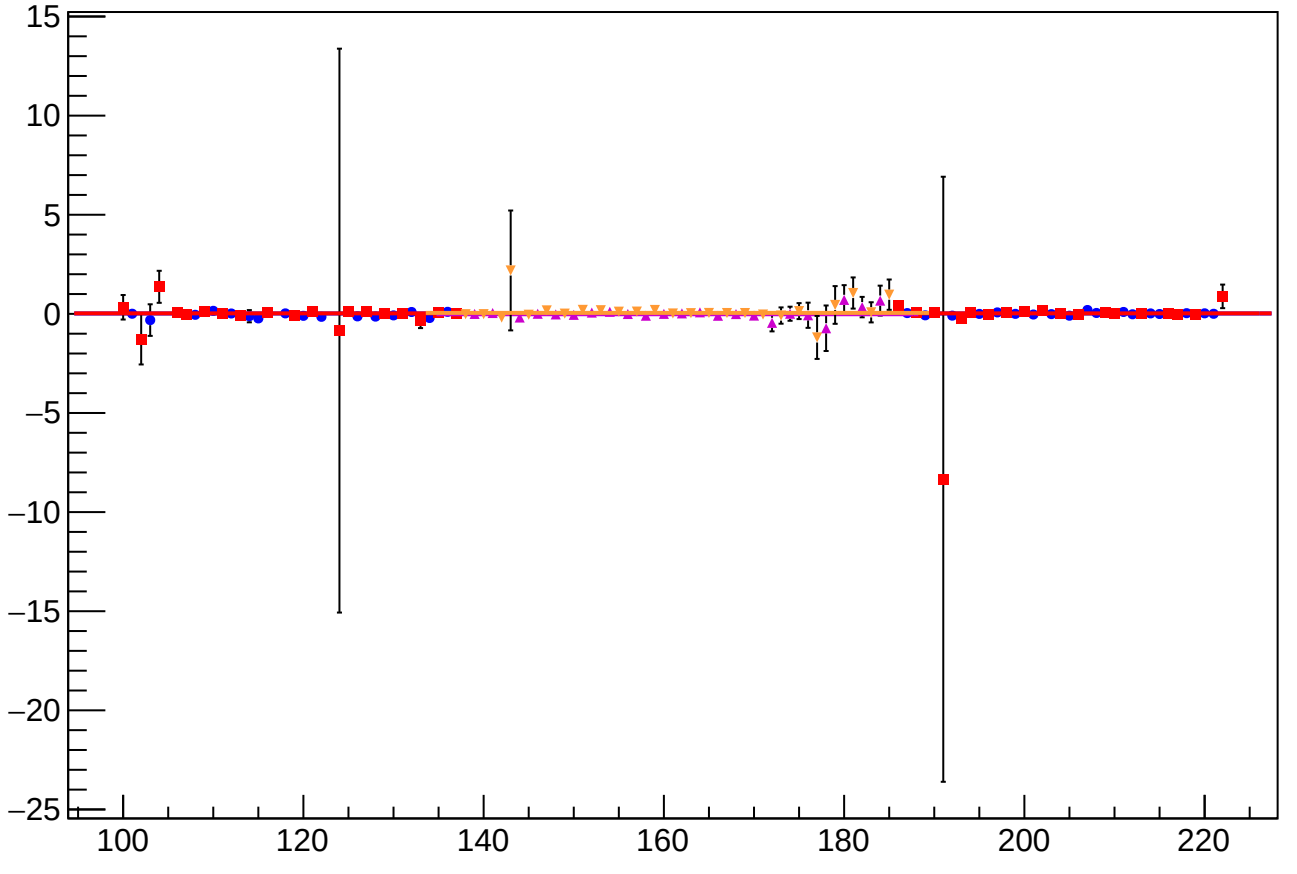
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 20401065.1/71

In: 0.000+/-0.000 χ^2/NDF:15049790.3/56

Out: 0.000+/-0.000 χ^2/NDF:15497765.9/62

All: 0.000+/-0.000 χ^2/NDF: 30560951.8/119



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 30.6/37

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

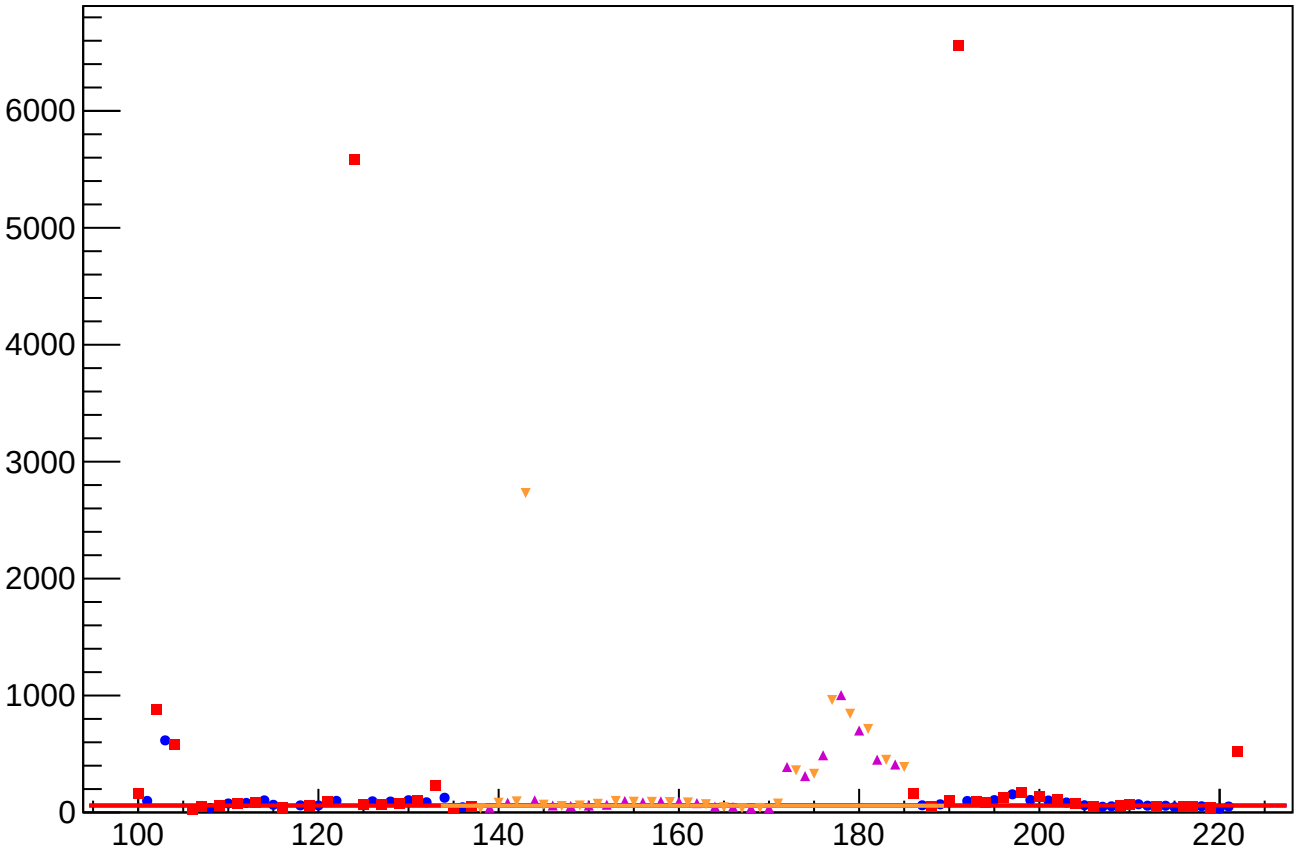
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 61.5/71

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.3/62

All: 0.019+/-0.008 χ^2/NDF: 109.7/119



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: 59.321+/-0.011 χ^2/NDF: 8736526.1/37

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

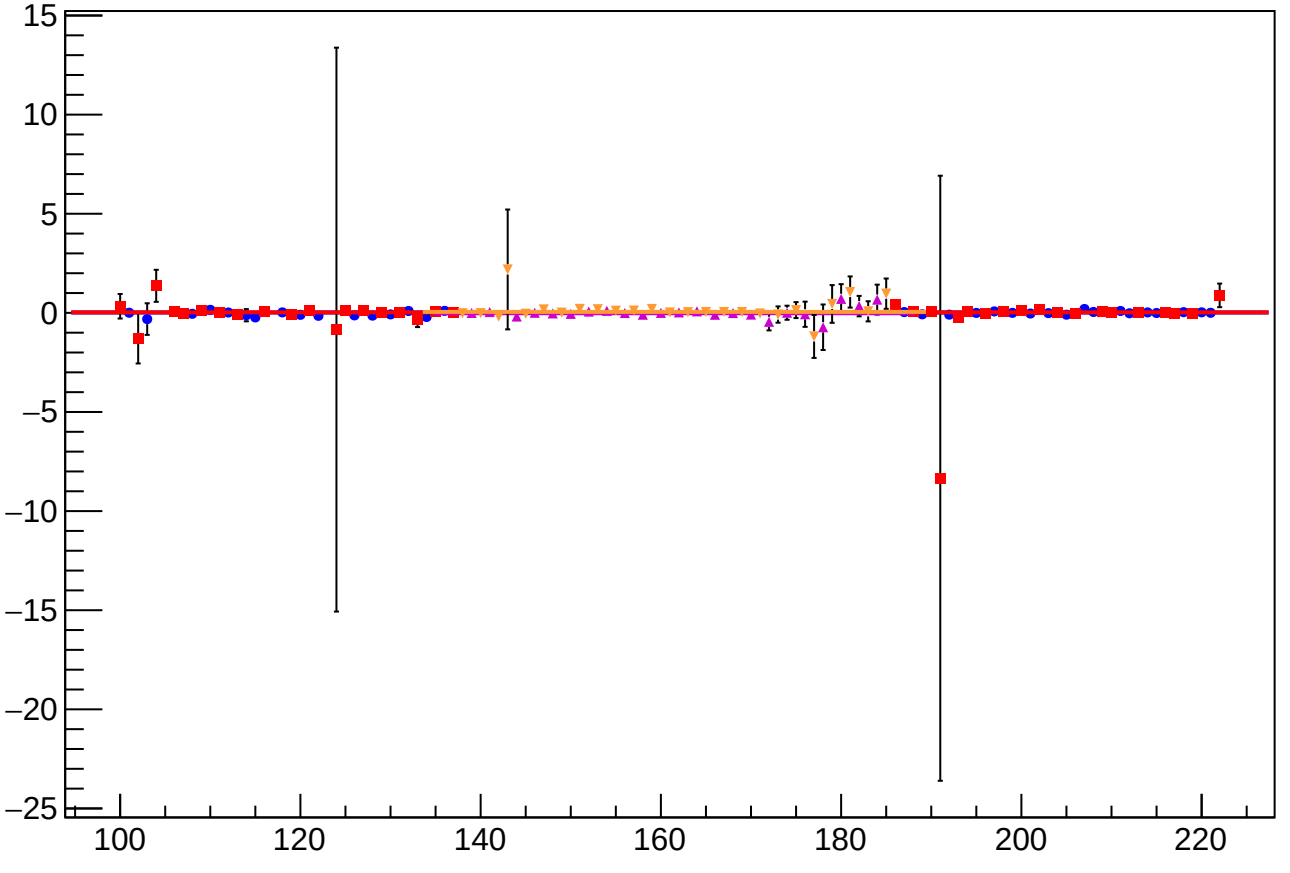
Right: 59.316+/-0.007 χ^2/NDF: 14165569.5/71

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.420+/-0.008 χ^2/NDF:21075044.6/62

All: 58.716+/-0.006 χ^2/NDF: 36756595.1/119

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: 30.6/37

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

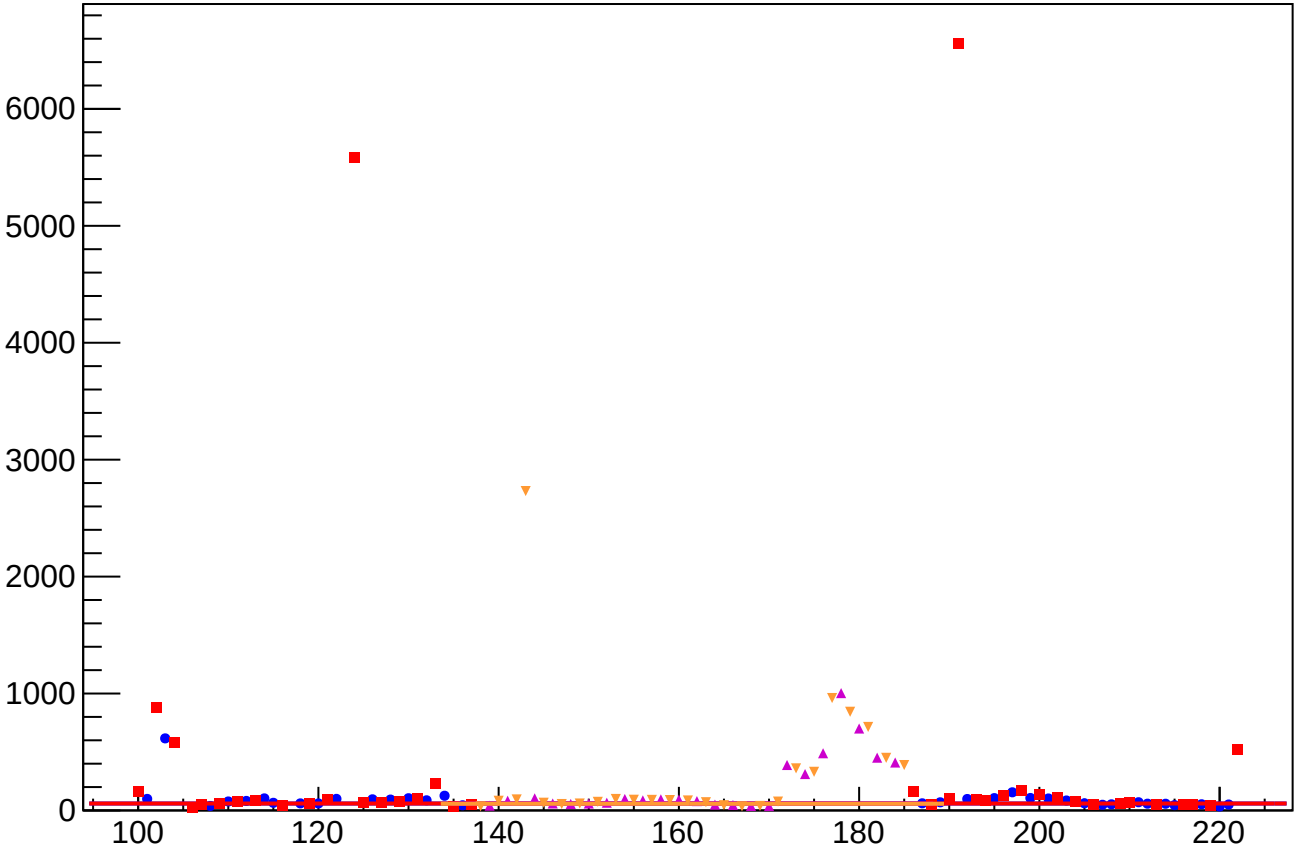
Right: 0.022+/-0.010 χ^2/NDF: 61.5/71

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.3/62

All: 0.019+/-0.008 χ^2/NDF: 109.7/119

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.310+/-0.010 χ^2/NDF: 5429042.9/33

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.321+/-0.011 χ^2/NDF: 8736526.1/37

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

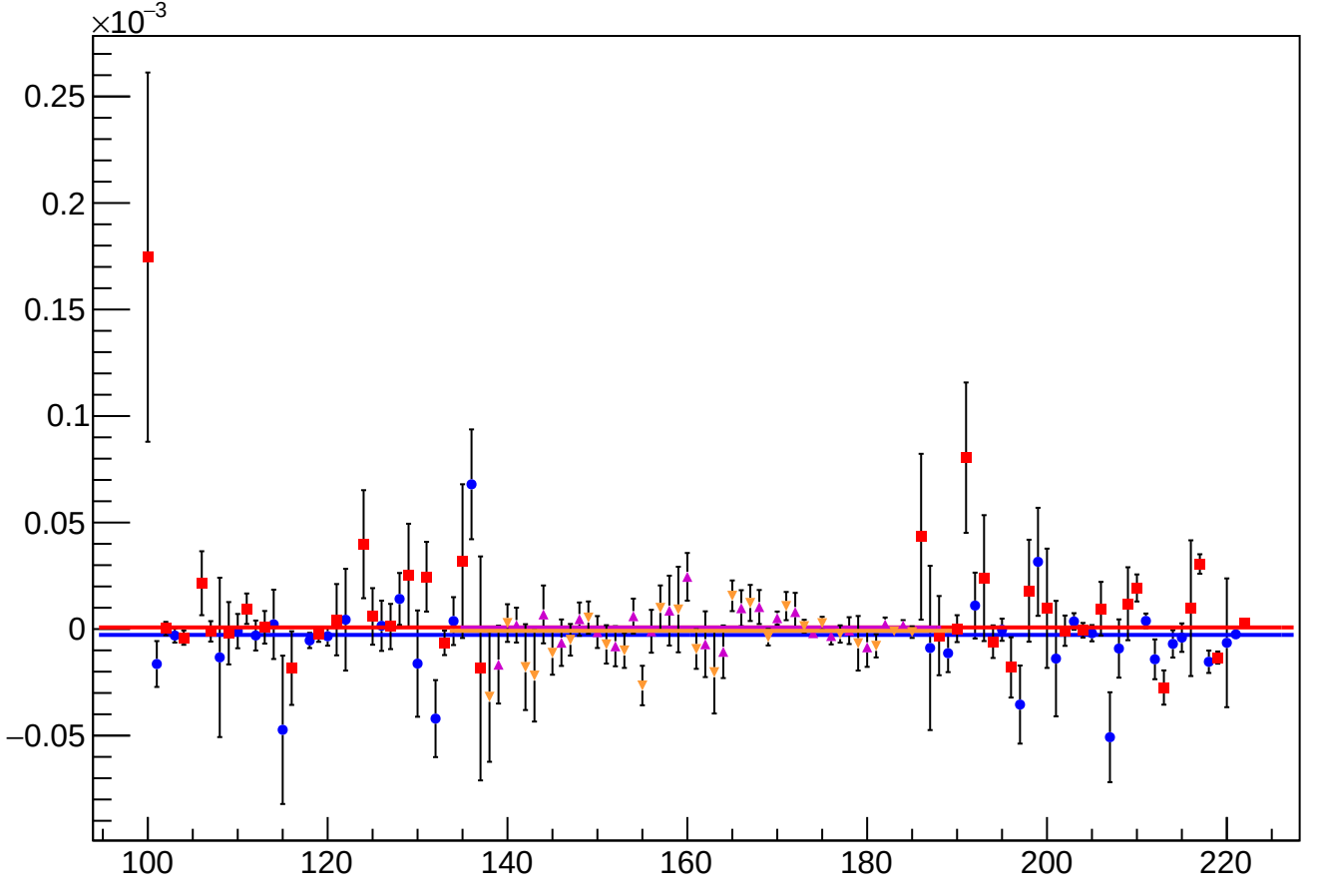
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.316+/-0.007 χ^2/NDF: 14165569.5/71

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.420+/-0.008 χ^2/NDF:21075044.6/62

All: 58.716+/-0.006 χ^2/NDF: 36756595.1/119



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 121.1/37

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

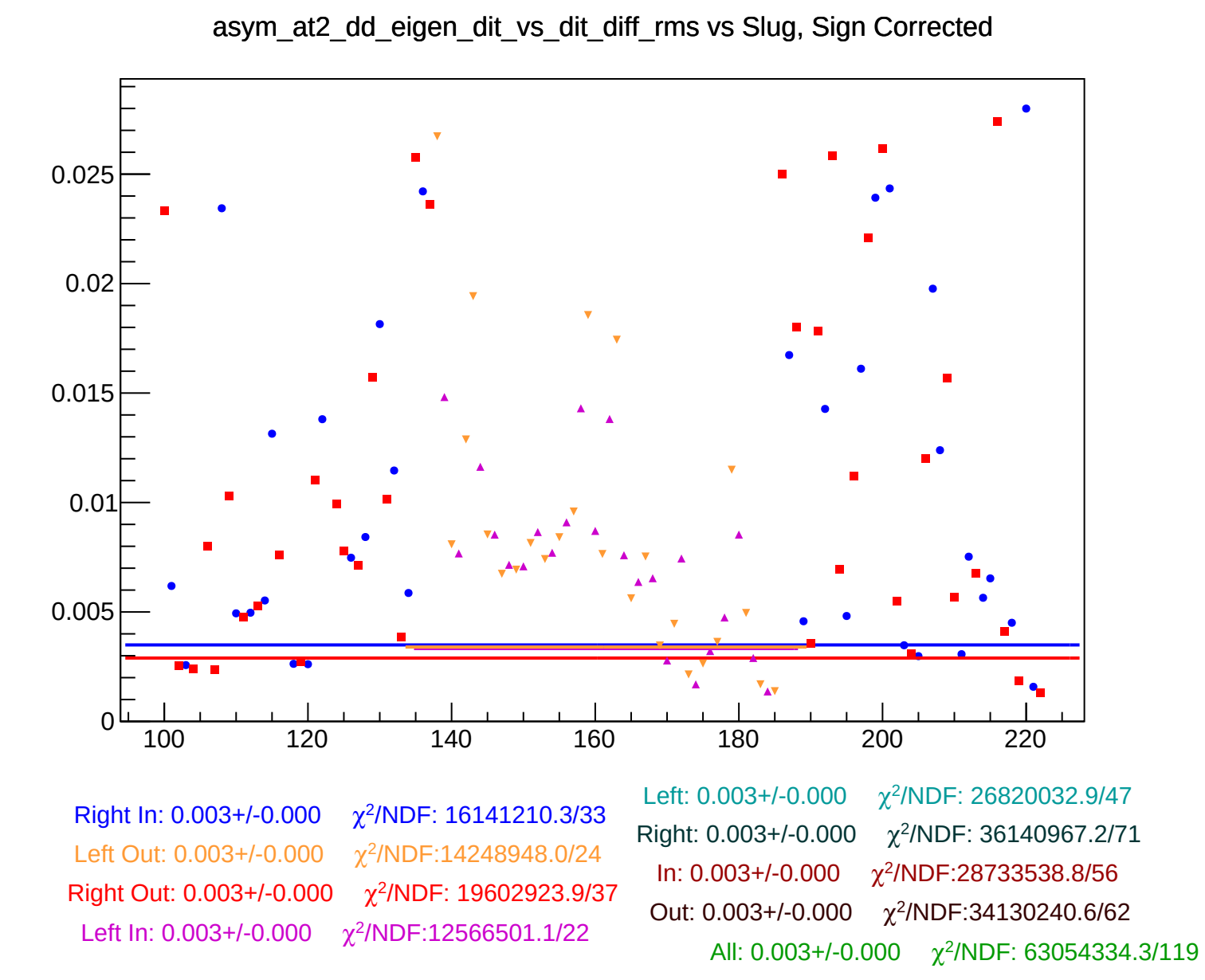
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 173.6/71

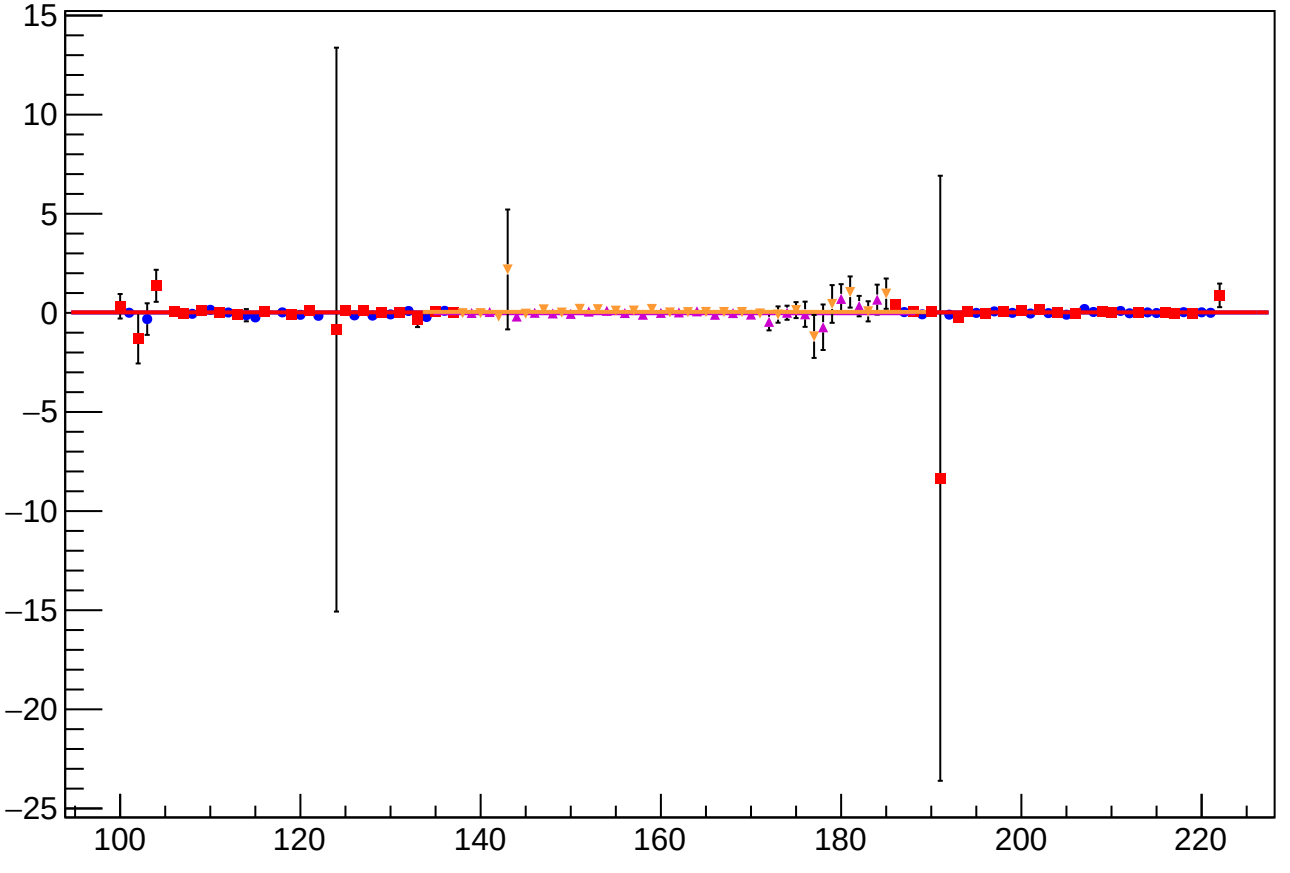
In: -0.000+/-0.000 χ^2/NDF:70.0/56

Out: 0.000+/-0.000 χ^2/NDF:155.3/62

All: -0.000+/-0.000 χ^2/NDF: 226.8/119


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 16141210.3/33
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.003+/-0.000 χ²/NDF: 19602923.9/37
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
Left: 0.003+/-0.000 χ²/NDF: 26820032.9/47
Right: 0.003+/-0.000 χ²/NDF: 36140967.2/71
In: 0.003+/-0.000 χ²/NDF:28733538.8/56
Out: 0.003+/-0.000 χ²/NDF:34130240.6/62
All: 0.003+/-0.000 χ²/NDF: 63054334.3/119

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: 30.6/37

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

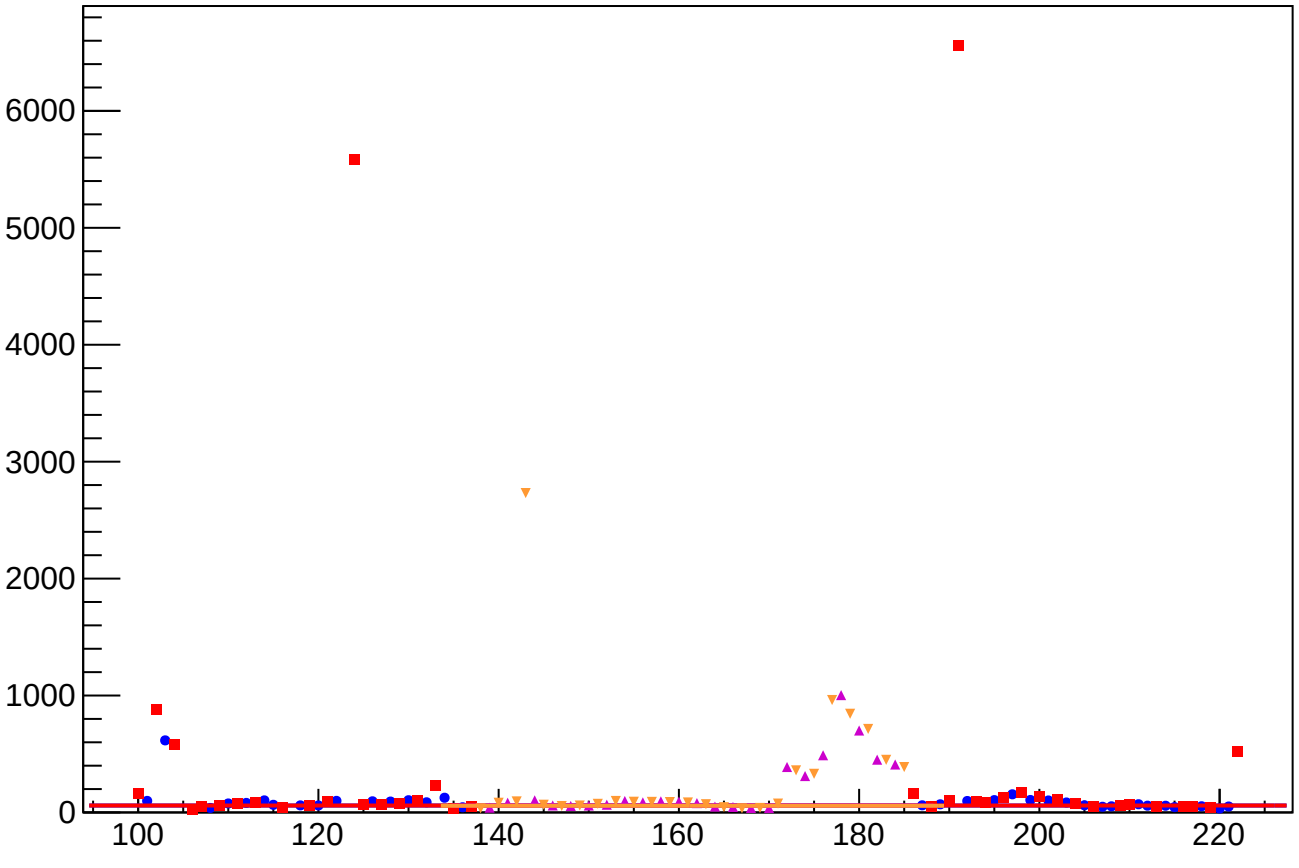
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 61.5/71

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.3/62

All: 0.019+/-0.008 χ^2/NDF: 109.7/119



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: 59.319+/-0.011 χ^2/NDF: 8737377.6/37

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

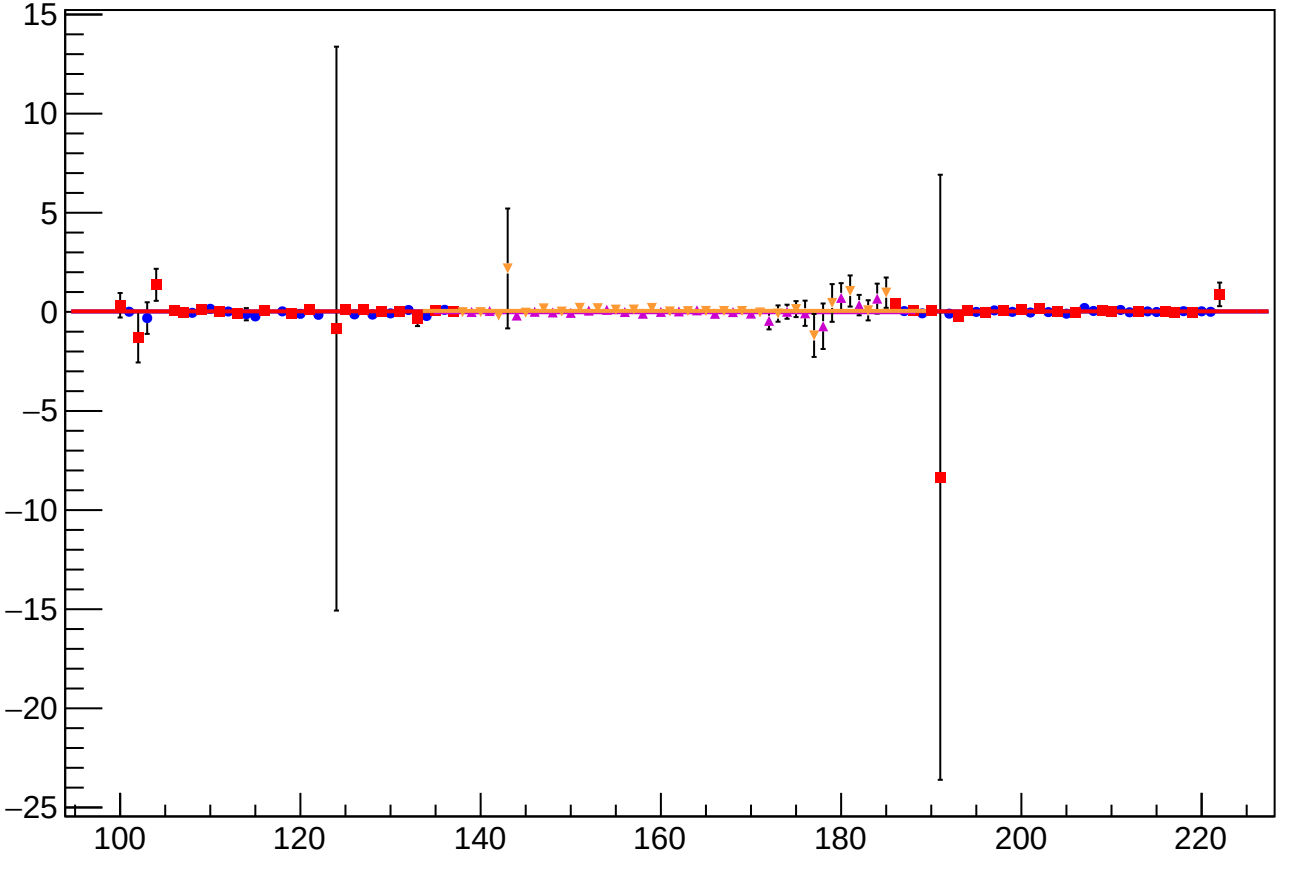
Right: 59.321+/-0.007 χ^2/NDF: 14161742.4/71

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.418+/-0.008 χ^2/NDF:21075625.1/62

All: 58.720+/-0.006 χ^2/NDF: 36752141.4/119

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 30.6/37

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

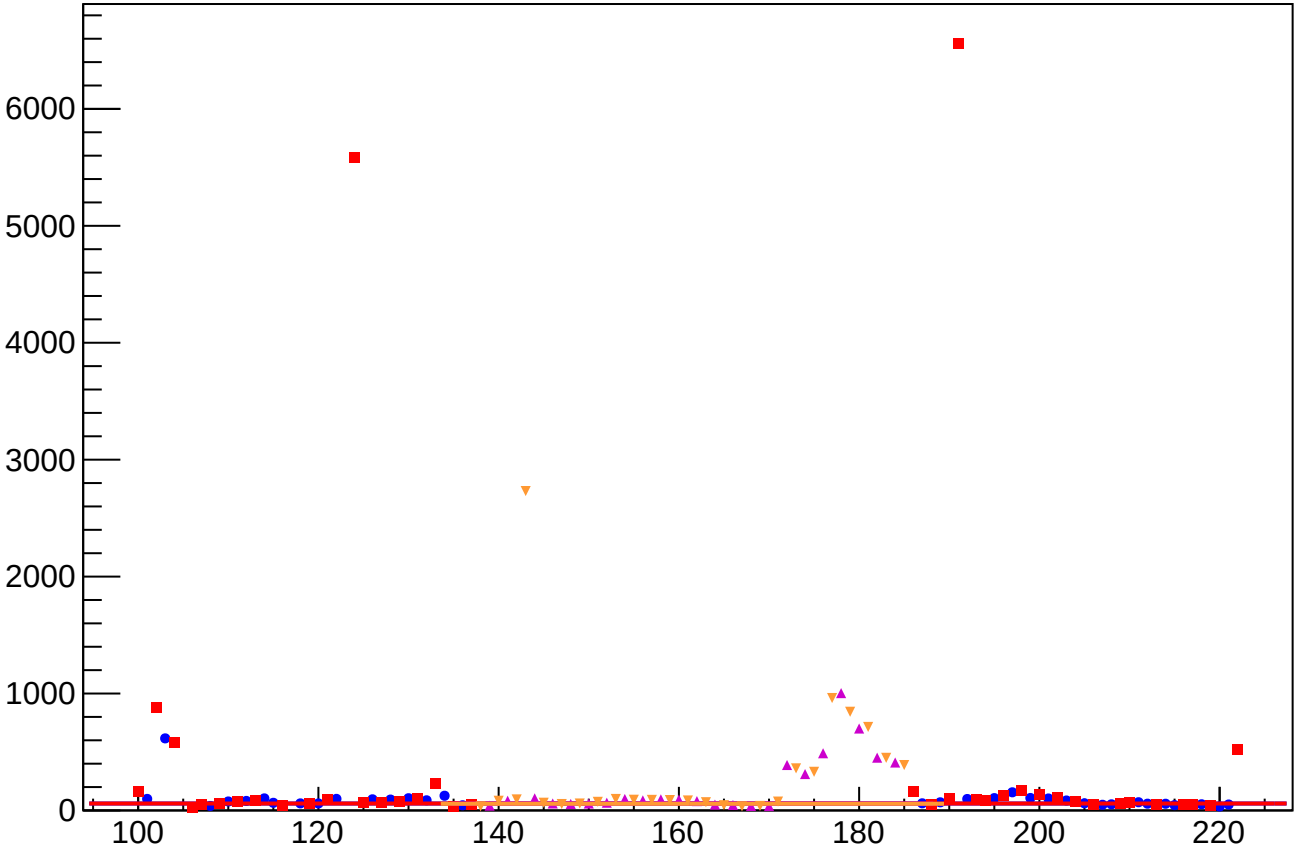
Right: 0.022+/-0.010 χ^2/NDF: 61.5/71

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.3/62

All: 0.019+/-0.008 χ^2/NDF: 109.7/119

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: 59.319+/-0.011 χ^2/NDF: 8737377.6/37

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

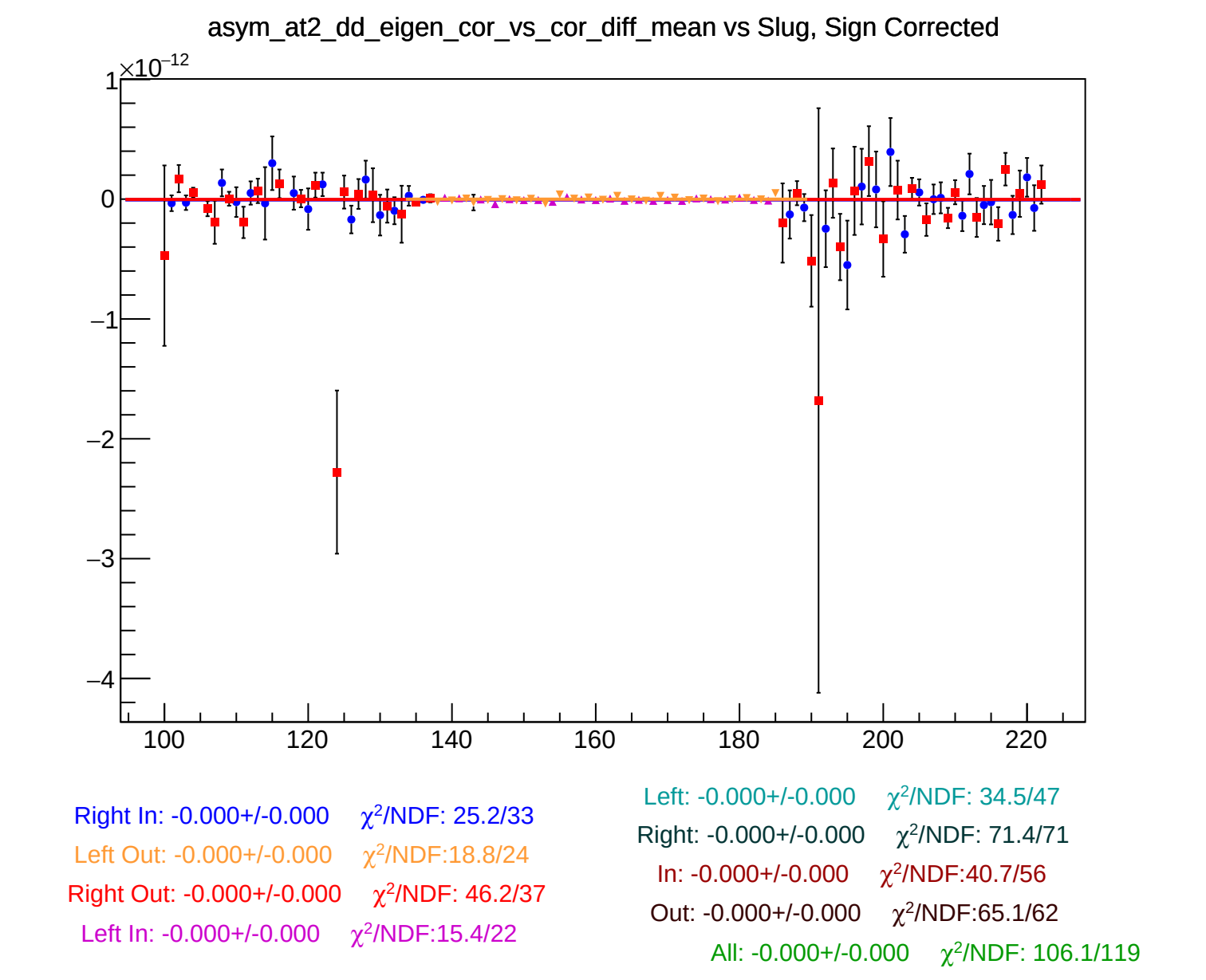
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

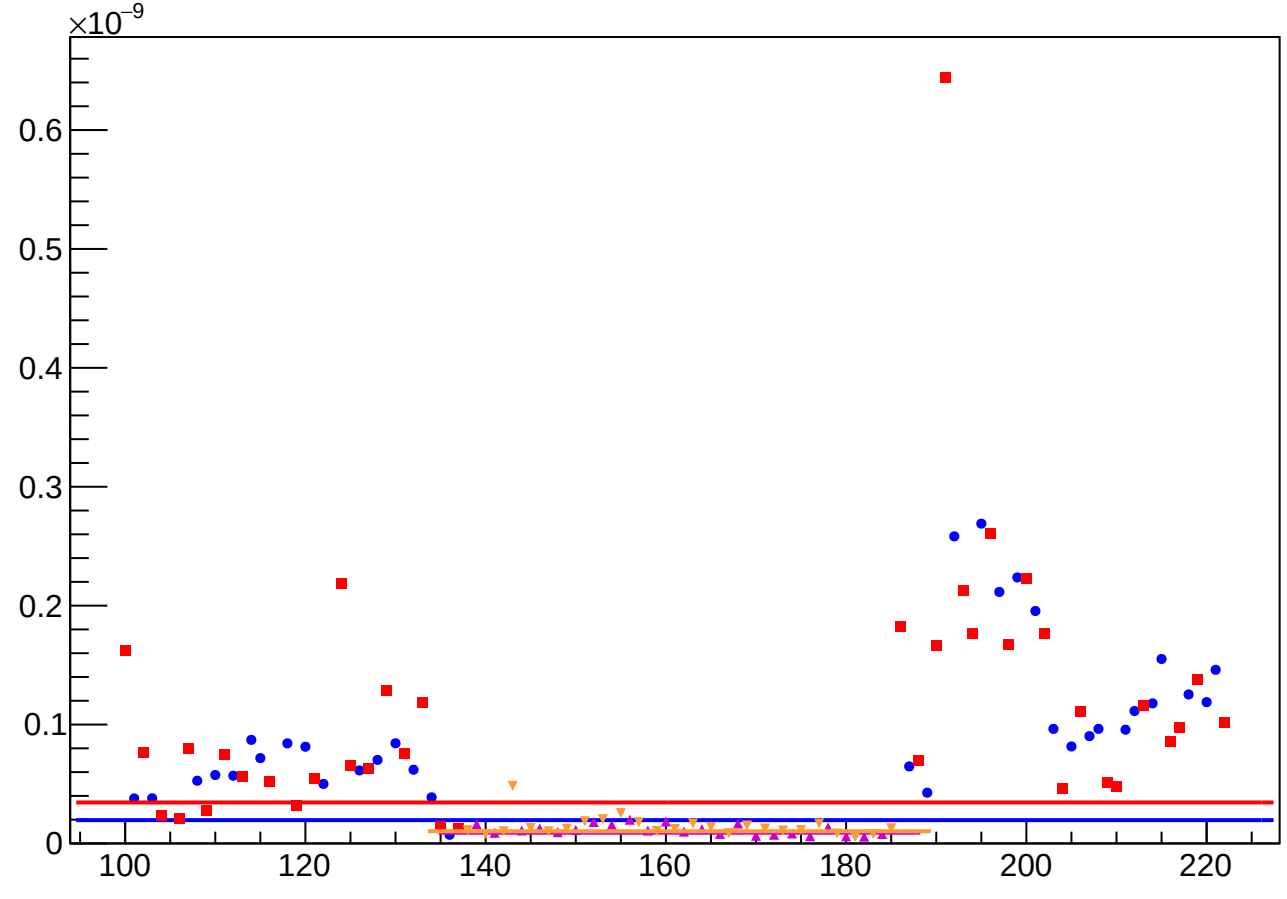
Right: 59.321+/-0.007 χ^2/NDF: 14161742.4/71

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.418+/-0.008 χ^2/NDF:21075625.1/62

All: 58.720+/-0.006 χ^2/NDF: 36752141.4/119


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 25.2/33
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.2/37
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: 71.4/71
In: -0.000+/-0.000 χ²/NDF:40.7/56
Out: -0.000+/-0.000 χ²/NDF:65.1/62
All: -0.000+/-0.000 χ²/NDF: 106.1/119



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: 12130452.8/37

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

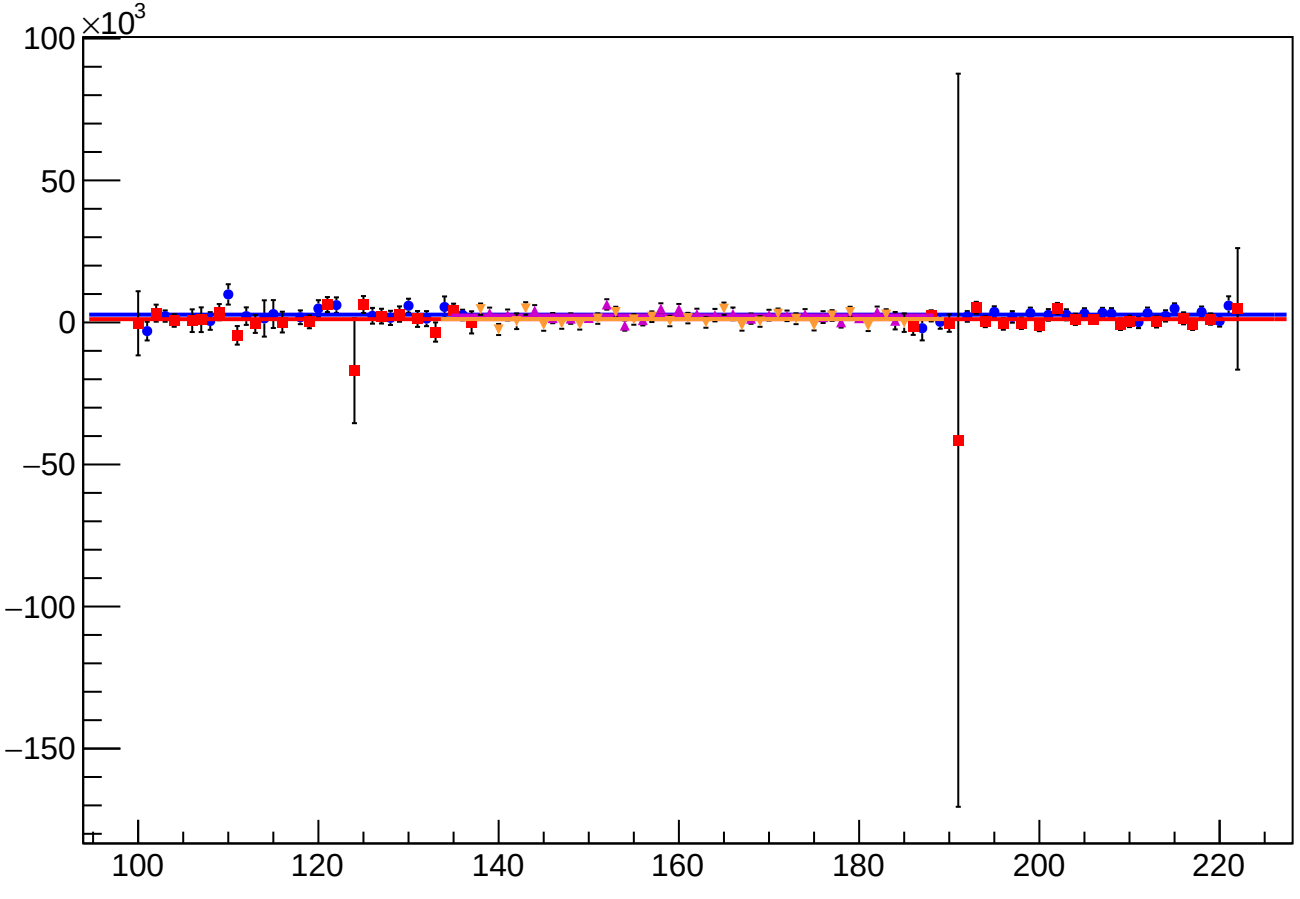
Right: 0.000+/-0.000 χ^2/NDF: 32015542.9/71

In: 0.000+/-0.000 χ^2/NDF:23506245.5/56

Out: 0.000+/-0.000 χ^2/NDF:21607024.3/62

All: 0.000+/-0.000 χ^2/NDF: 45424857.9/119

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: 1151.892+/-405.161 χ^2/NDF: 30.2/37

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

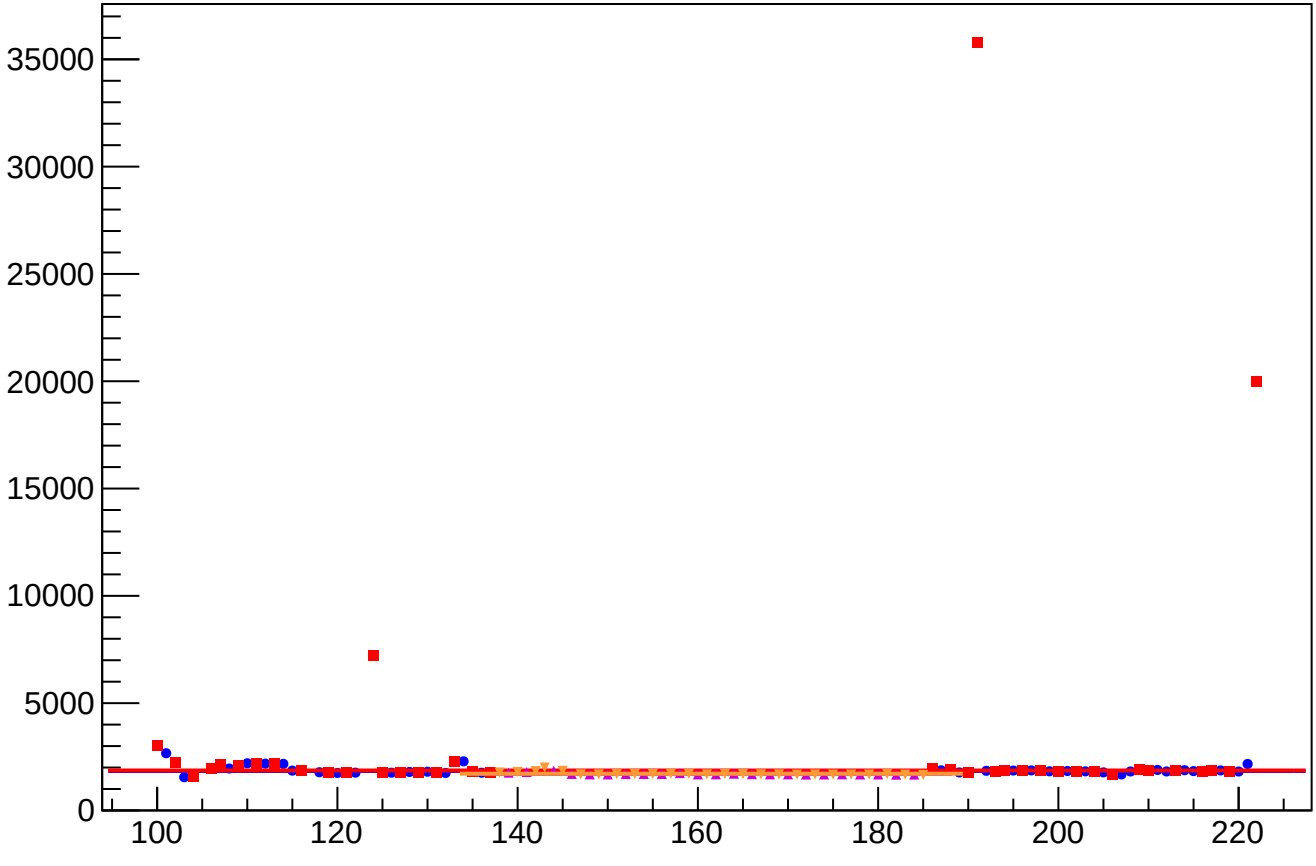
Right: 1962.125+/-283.871 χ^2/NDF: 59.0/71

In: 2591.235+/-281.363 χ^2/NDF:38.8/56

Out: 1178.165+/-280.655 χ^2/NDF:56.5/62

All: 1882.920+/-198.703 χ^2/NDF: 107.9/119

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: 1861.185+/-0.286 χ^2/NDF: 1983886.3/37

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

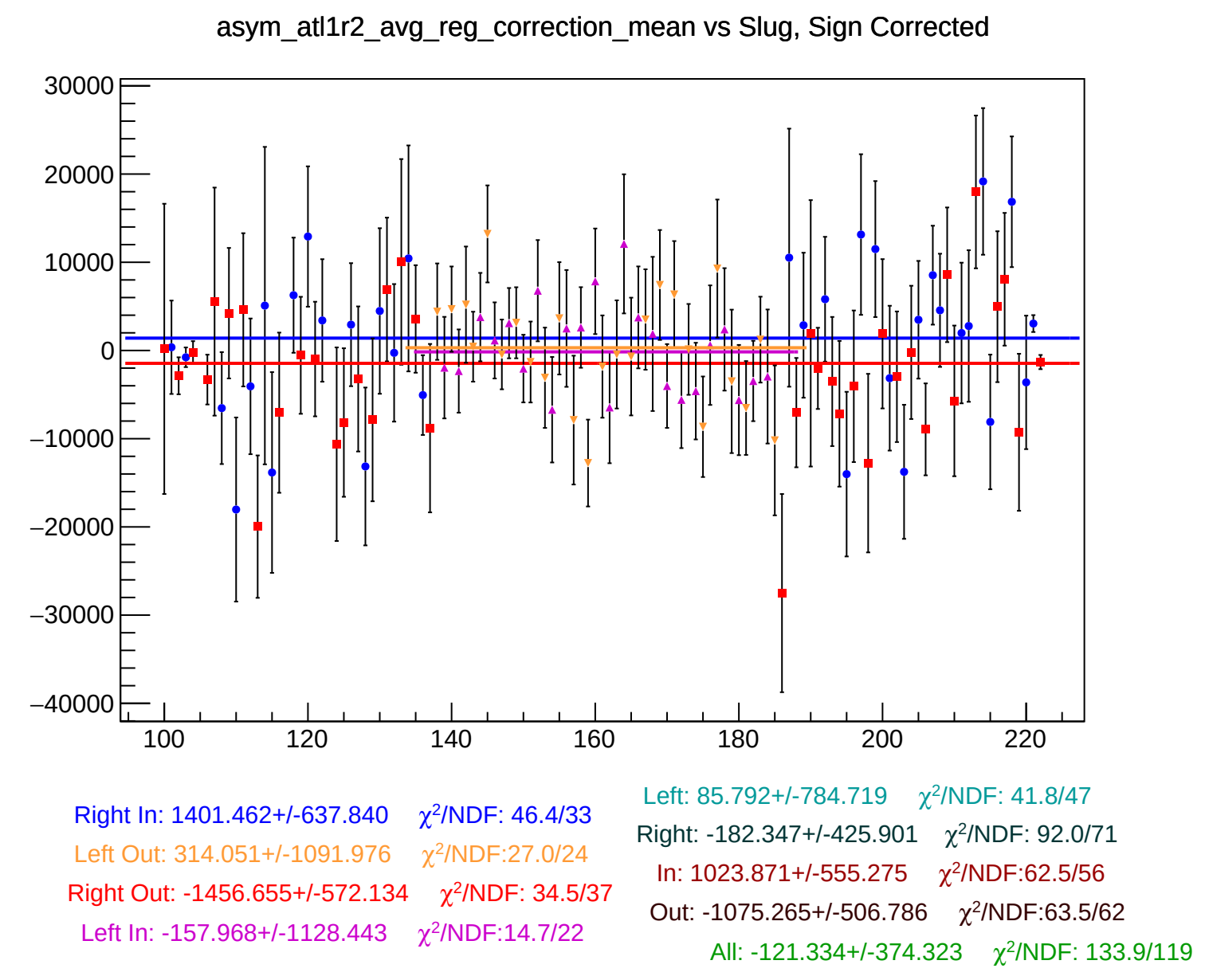
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

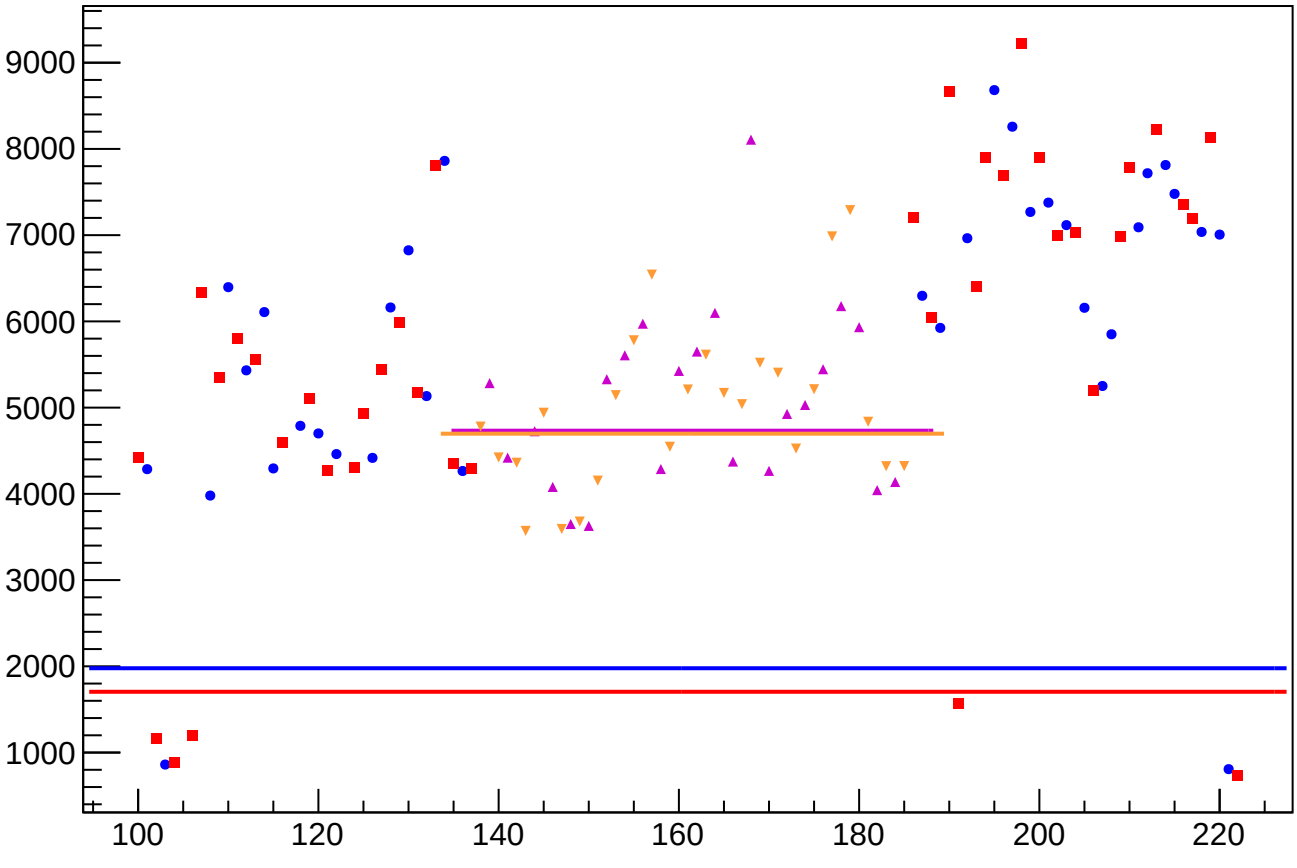
Right: 1849.725+/-0.201 χ^2/NDF: 2294833.8/71

In: 1771.334+/-0.199 χ^2/NDF:444943.1/56

Out: 1783.525+/-0.198 χ^2/NDF:2185539.1/62

All: 1777.447+/-0.140 χ^2/NDF: 2632364.9/11


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 1401.462+/-637.840 χ²/NDF: 46.4/33
Left Out: 314.051+/-1091.976 χ²/NDF:27.0/24
Right Out: -1456.655+/-572.134 χ²/NDF: 34.5/37
Left In: -157.968+/-1128.443 χ²/NDF:14.7/22
Left: 85.792+/-784.719 χ²/NDF: 41.8/47
Right: -182.347+/-425.901 χ²/NDF: 92.0/71
In: 1023.871+/-555.275 χ²/NDF:62.5/56
Out: -1075.265+/-506.786 χ²/NDF:63.5/62
All: -121.334+/-374.323 χ²/NDF: 133.9/119



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: 1704.746+/-0.405 χ^2/NDF: 25353345.8/37

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

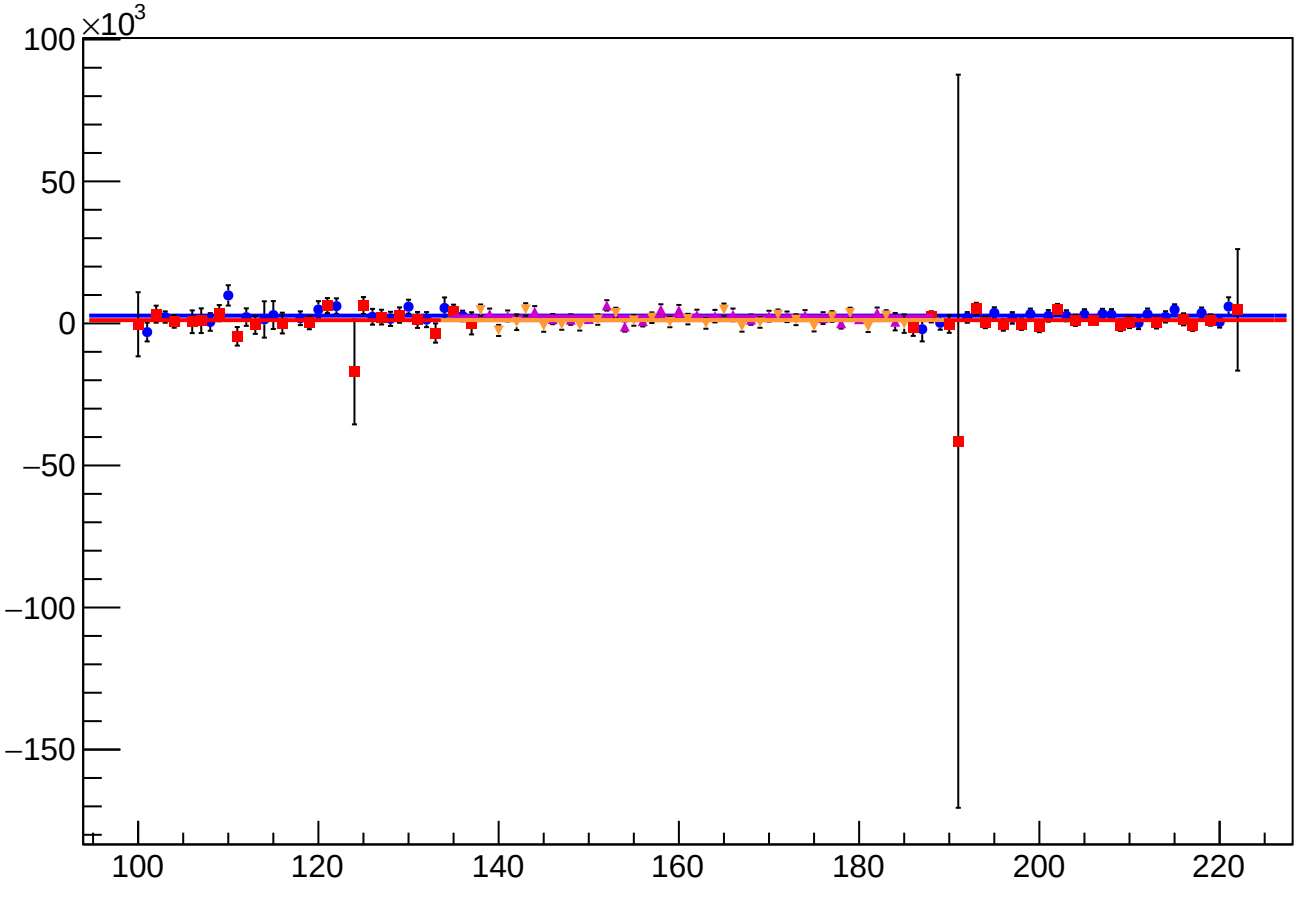
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1826.451+/-0.301 χ^2/NDF: 49510775.3/71

In: 2644.724+/-0.393 χ^2/NDF:34229870.8/56

Out: 2349.378+/-0.358 χ^2/NDF:38380605.2/62

All: 2483.595+/-0.265 χ^2/NDF: 72919165.0/1



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: 1151.493+/-405.161 χ^2/NDF: 30.2/37

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

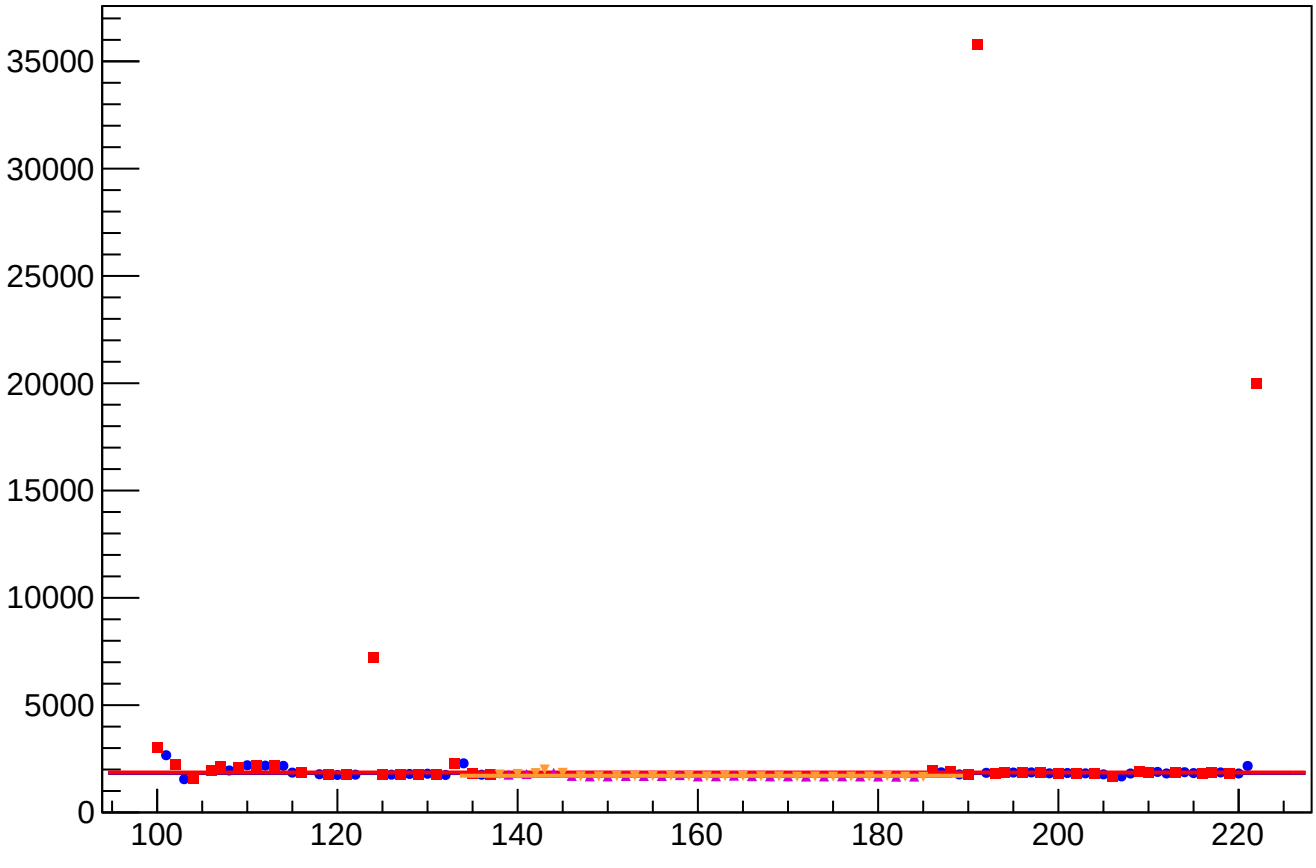
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1961.972+/-283.871 χ^2/NDF: 59.0/71

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1177.923+/-280.655 χ^2/NDF:56.5/62

All: 1882.802+/-198.703 χ^2/NDF: 107.9/119



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: 1861.332+/-0.286 χ^2/NDF: 1984238.4/37

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

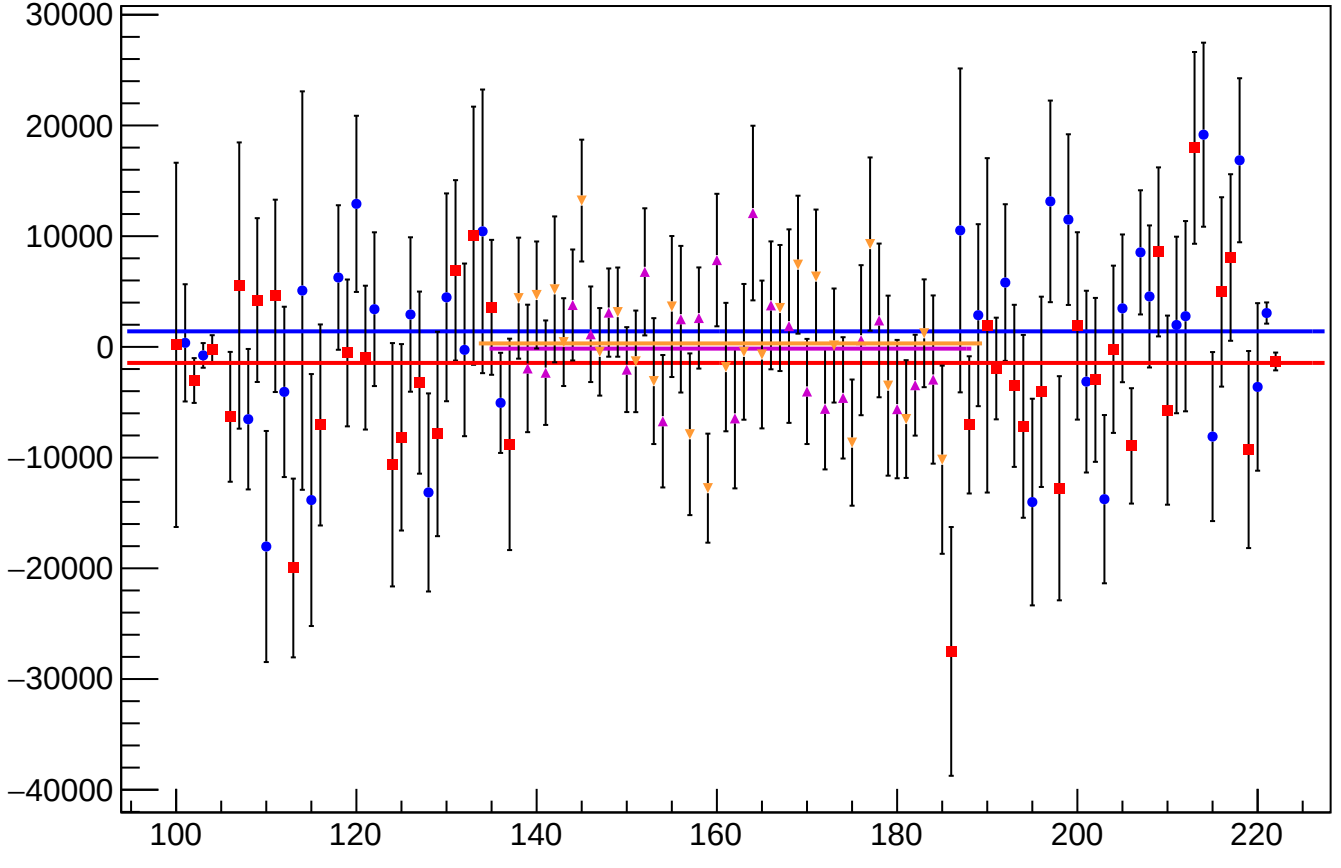
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

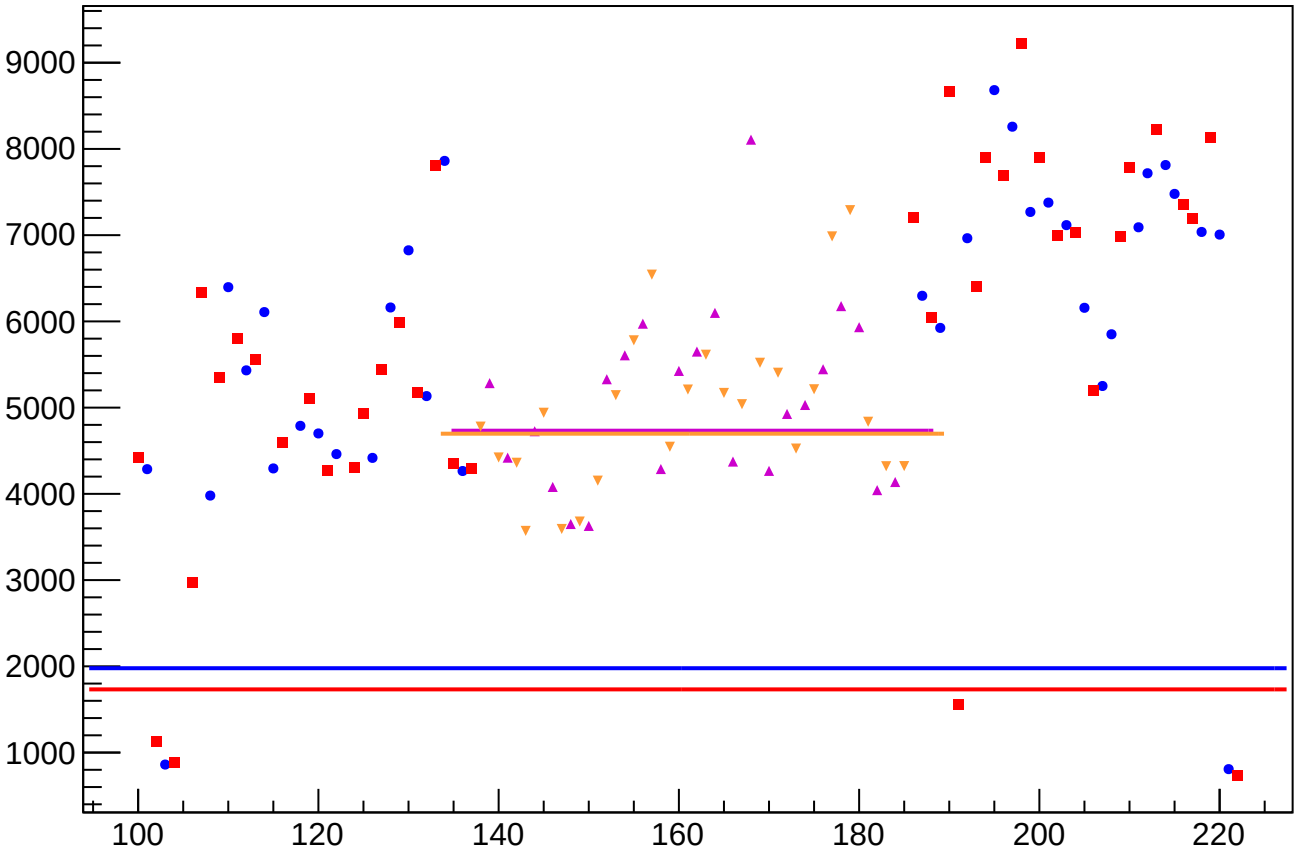
Right: 1849.796+/-0.201 χ^2/NDF: 2295226.6/71

In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1783.590+/-0.198 χ^2/NDF:2186157.8/62

All: 1777.479+/-0.140 χ^2/NDF: 2633003.6/11


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: -1448.773+/-579.736 χ²/NDF: 34.9/37
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -158.417+/-429.031 χ²/NDF: 92.2/71
In: 1025.647+/-555.320 χ²/NDF:62.6/56
Out: -1061.149+/-512.047 χ²/NDF:63.9/62
All: -102.215+/-376.442 χ²/NDF: 134.1/119



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: 1732.539+/-0.410 χ^2/NDF: 25405712.7/37

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

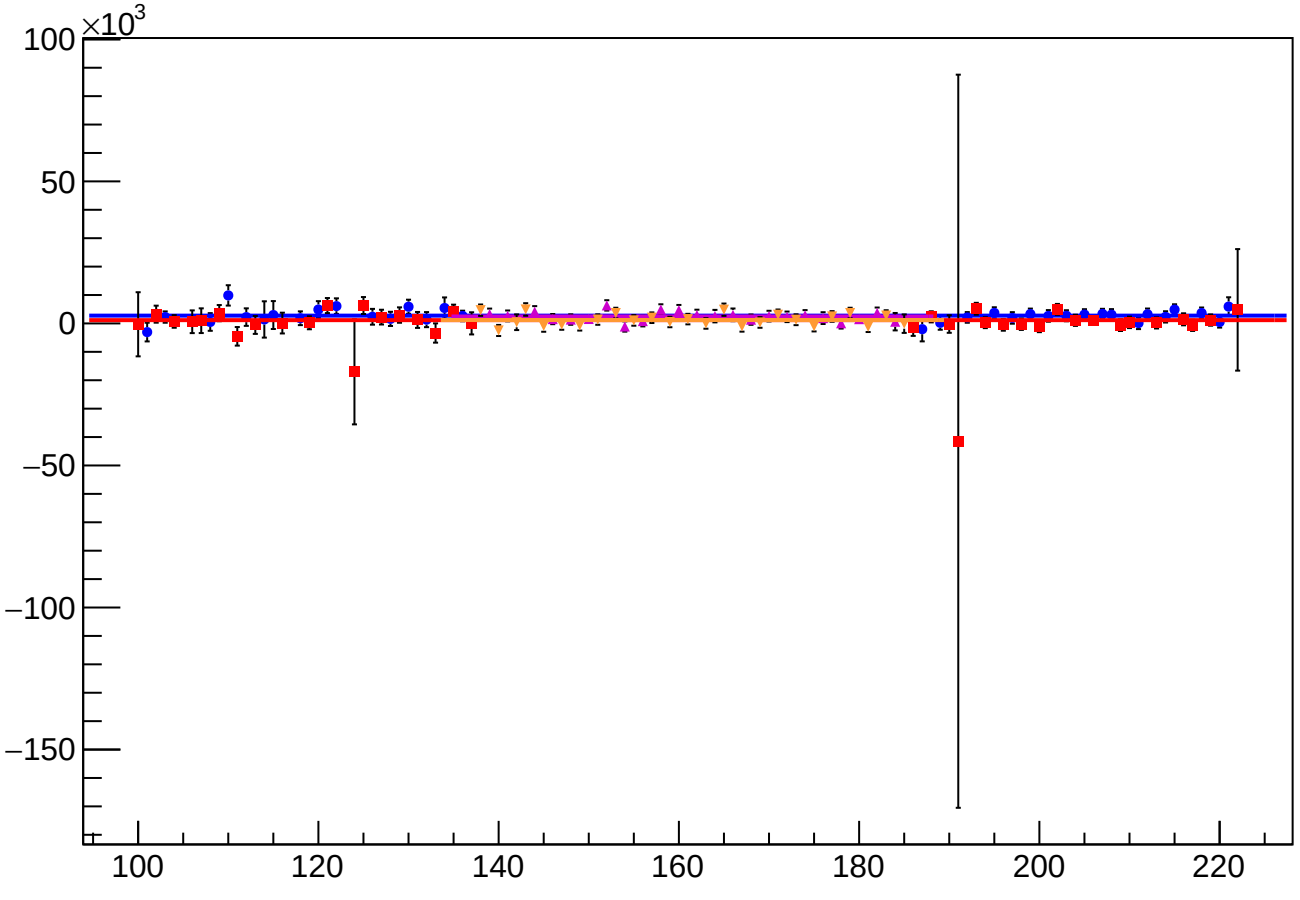
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1843.595+/-0.303 χ^2/NDF: 49519948.1/71

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 2384.513+/-0.362 χ^2/NDF:38148759.2/62

All: 2504.256+/-0.266 χ^2/NDF: 72611467.1/1



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: 1151.493+/-405.161 χ^2/NDF: 30.2/37

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

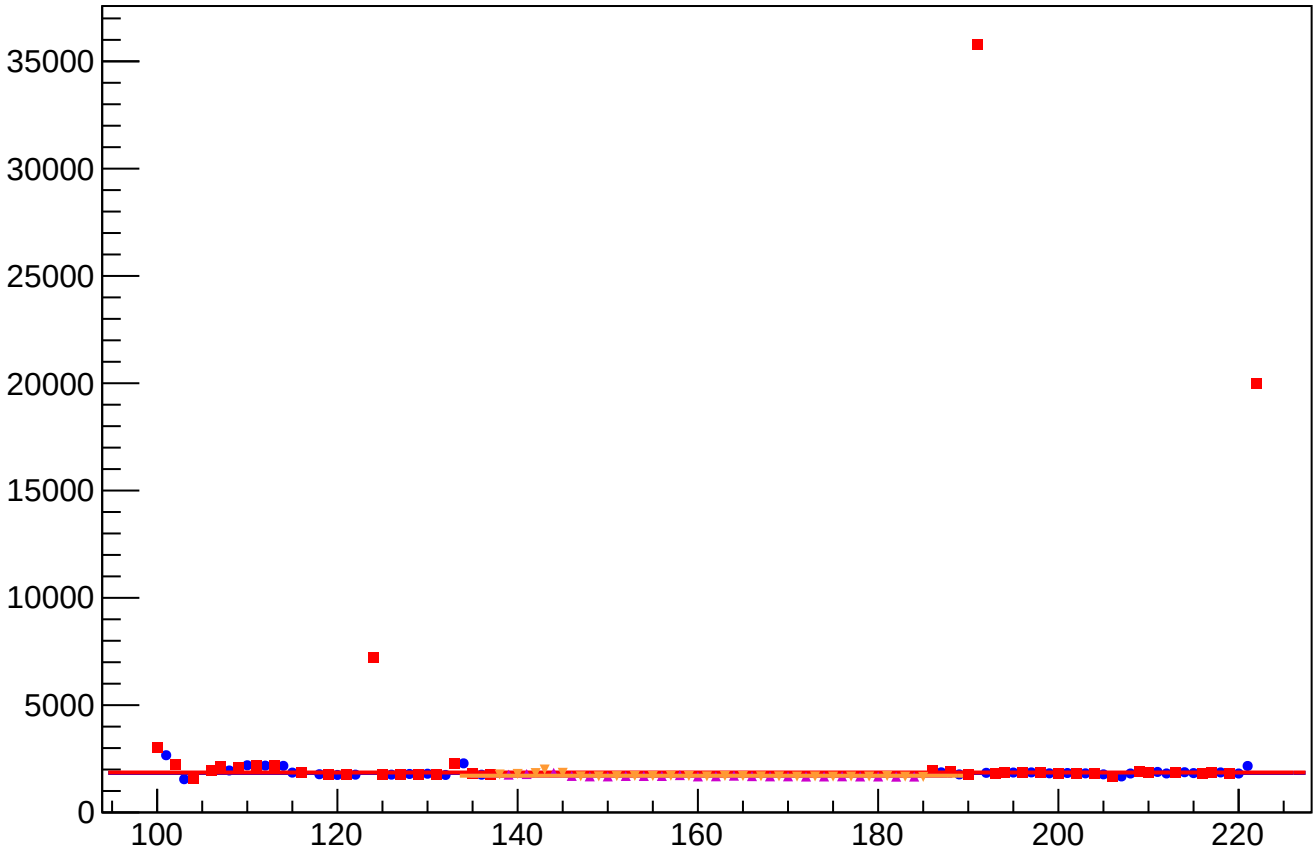
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1961.972+/-283.871 χ^2/NDF: 59.0/71

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1177.923+/-280.655 χ^2/NDF:56.5/62

All: 1882.802+/-198.703 χ^2/NDF: 107.9/119



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: 1861.332+/-0.286 χ^2/NDF: 1984238.4/37

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

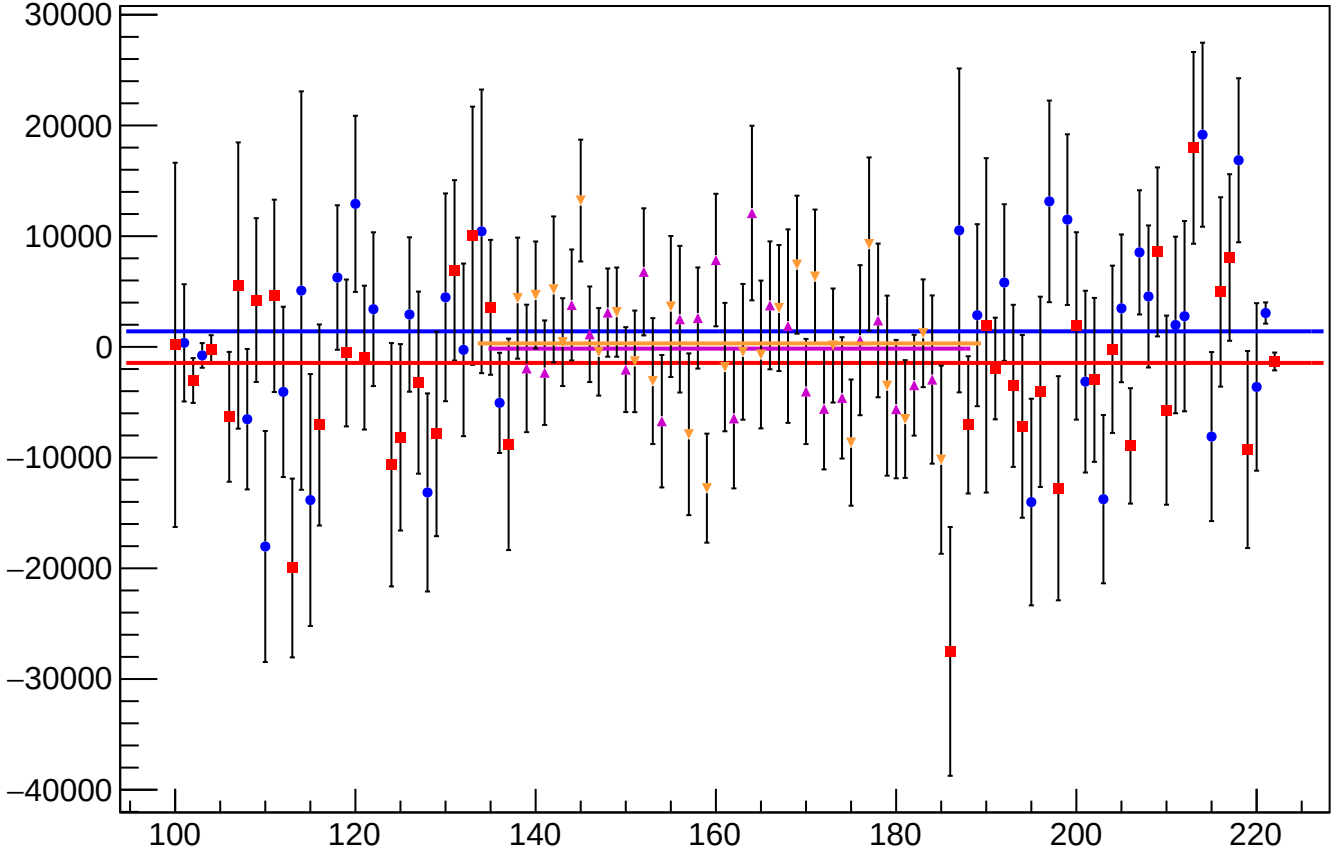
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1849.796+/-0.201 χ^2/NDF: 2295226.6/71

In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1783.590+/-0.198 χ^2/NDF:2186157.8/62

All: 1777.479+/-0.140 χ^2/NDF: 2633003.6/11



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: -1448.773+/-579.736 χ^2/NDF: 34.9/37

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

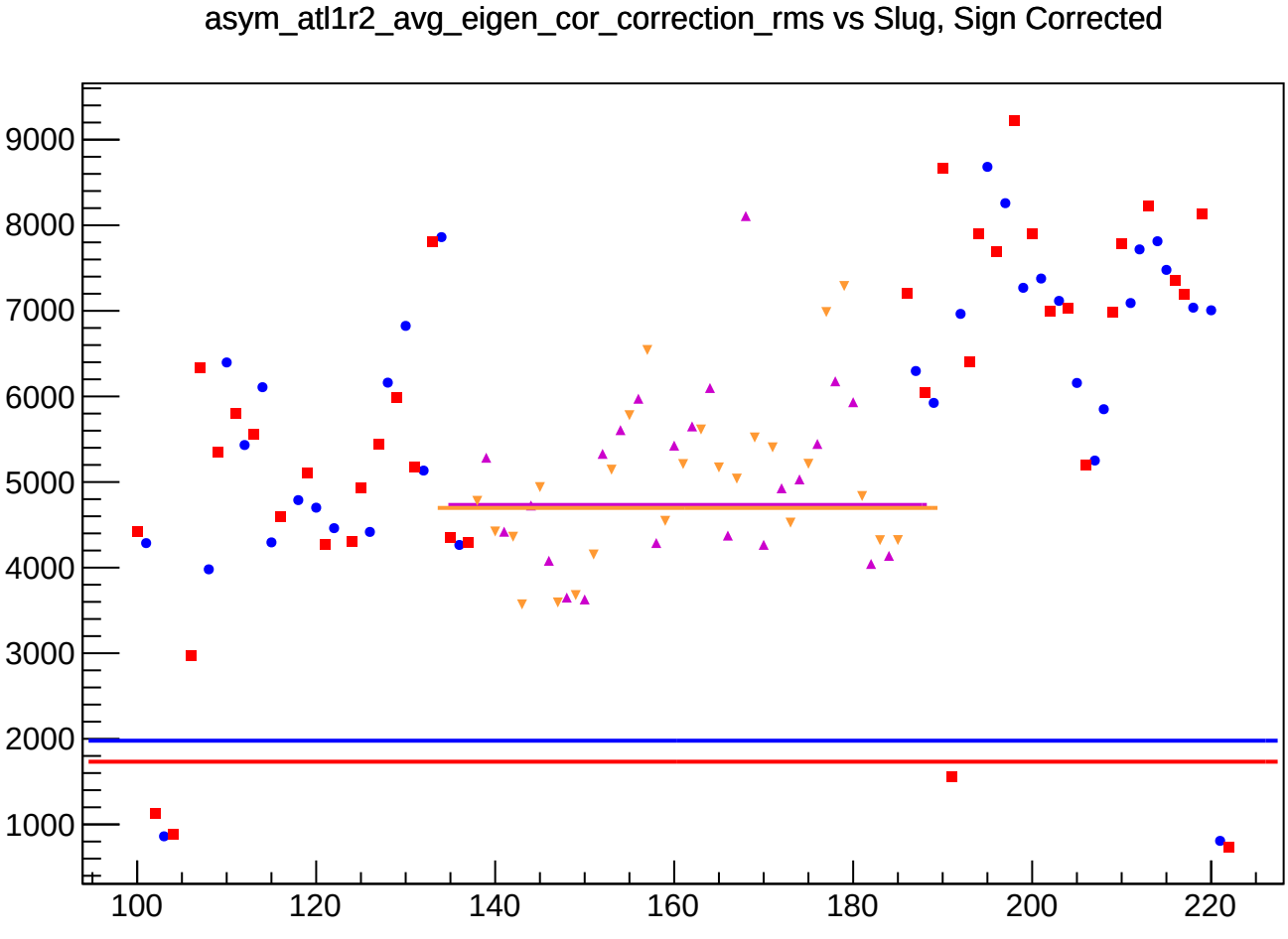
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -158.417+/-429.031 χ^2/NDF: 92.2/71

In: 1025.647+/-555.320 χ^2/NDF:62.6/56

Out: -1061.149+/-512.047 χ^2/NDF:63.9/62

All: -102.215+/-376.442 χ^2/NDF: 134.1/119



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: 1732.539+/-0.410 χ^2/NDF: 25405712.7/37

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

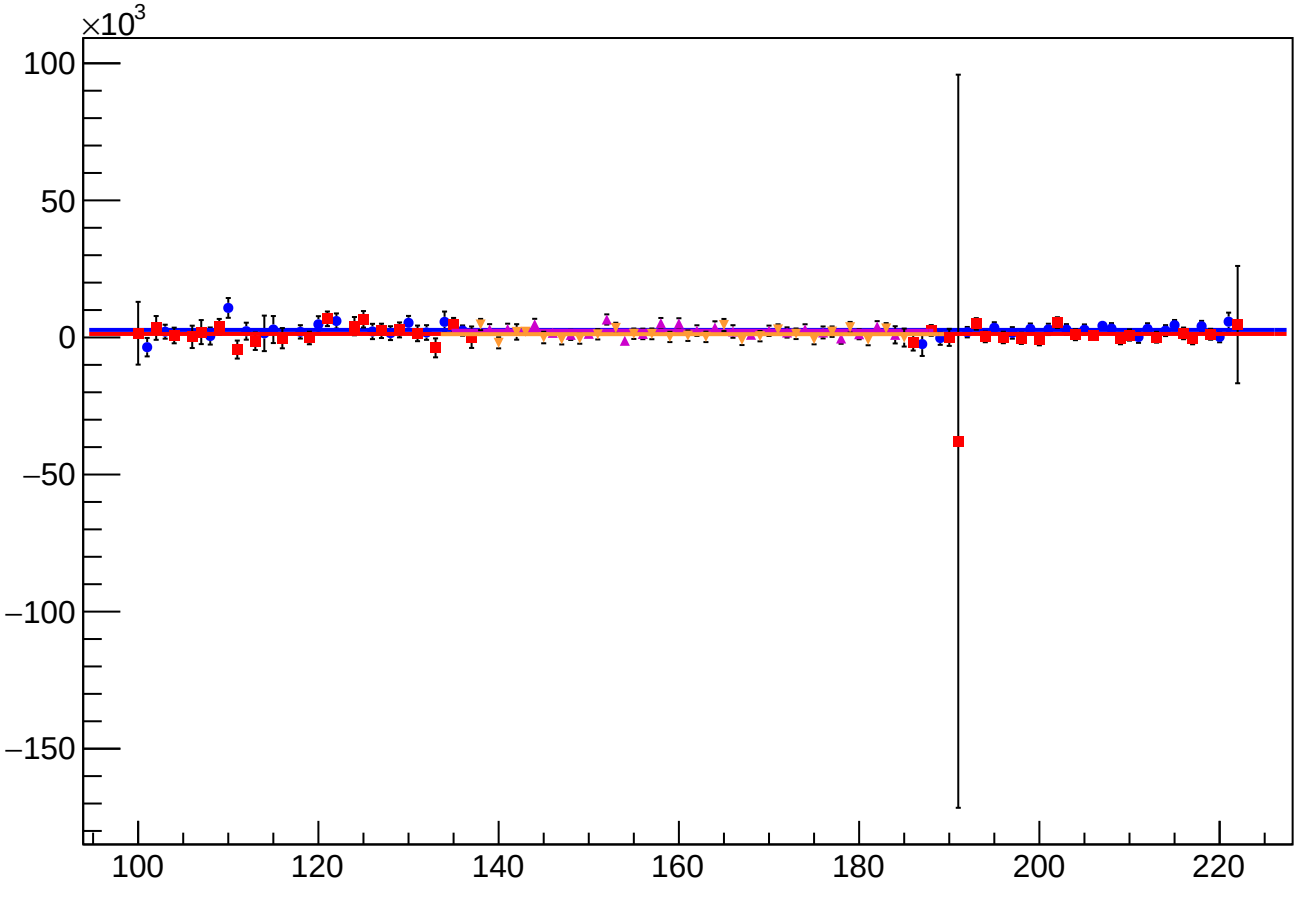
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1843.595+/-0.303 χ^2/NDF: 49519948.1/71

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 2384.513+/-0.362 χ^2/NDF:38148759.2/62

All: 2504.256+/-0.266 χ^2/NDF: 72611467.1/1



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: 1274.347+/-411.239 χ^2/NDF: 31.7/37

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

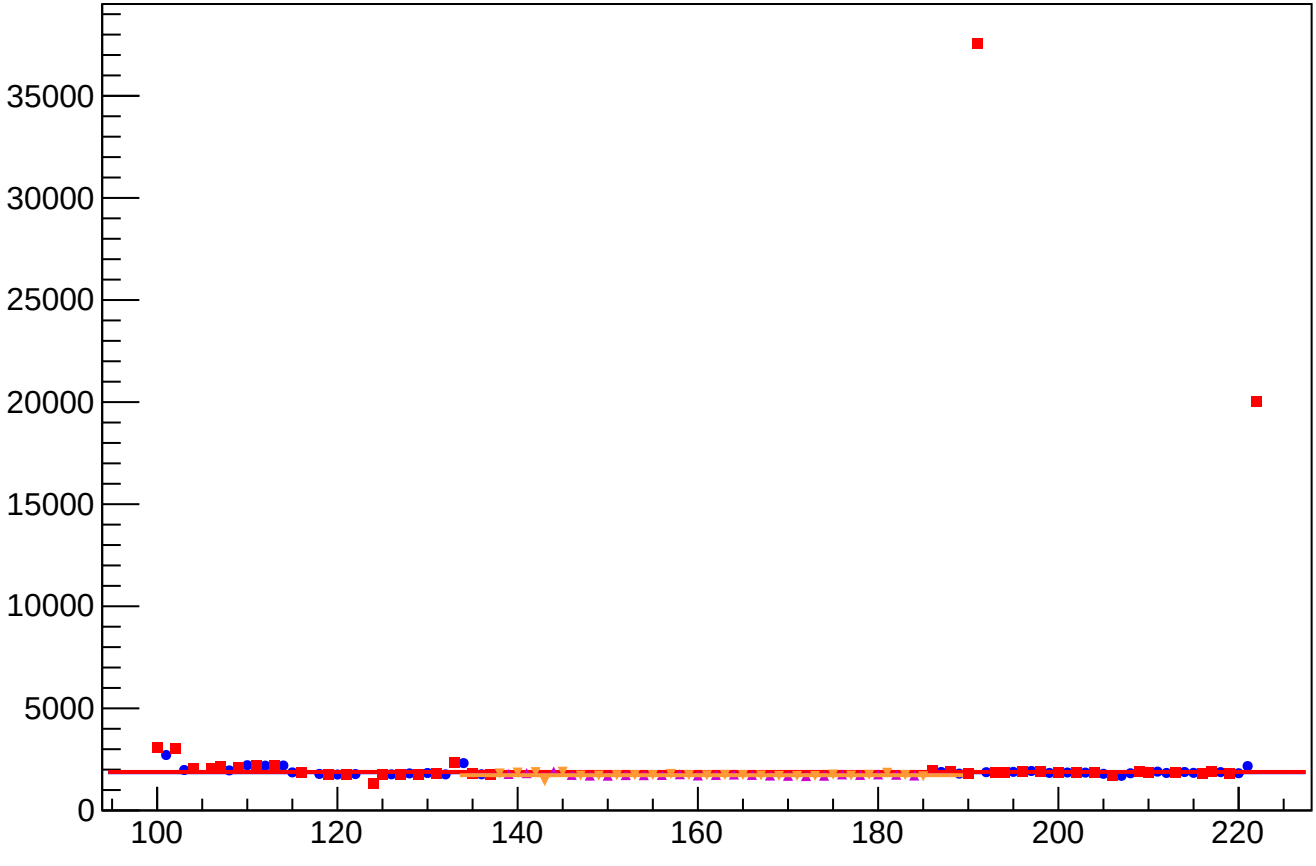
Right: 2026.020+/-288.575 χ^2/NDF: 61.0/71

In: 2597.621+/-287.292 χ^2/NDF:43.6/56

Out: 1234.107+/-284.115 χ^2/NDF:51.2/62

All: 1908.282+/-202.014 χ^2/NDF: 106.2/119

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: 1886.593+/-0.291 χ^2/NDF: 1959086.7/37

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

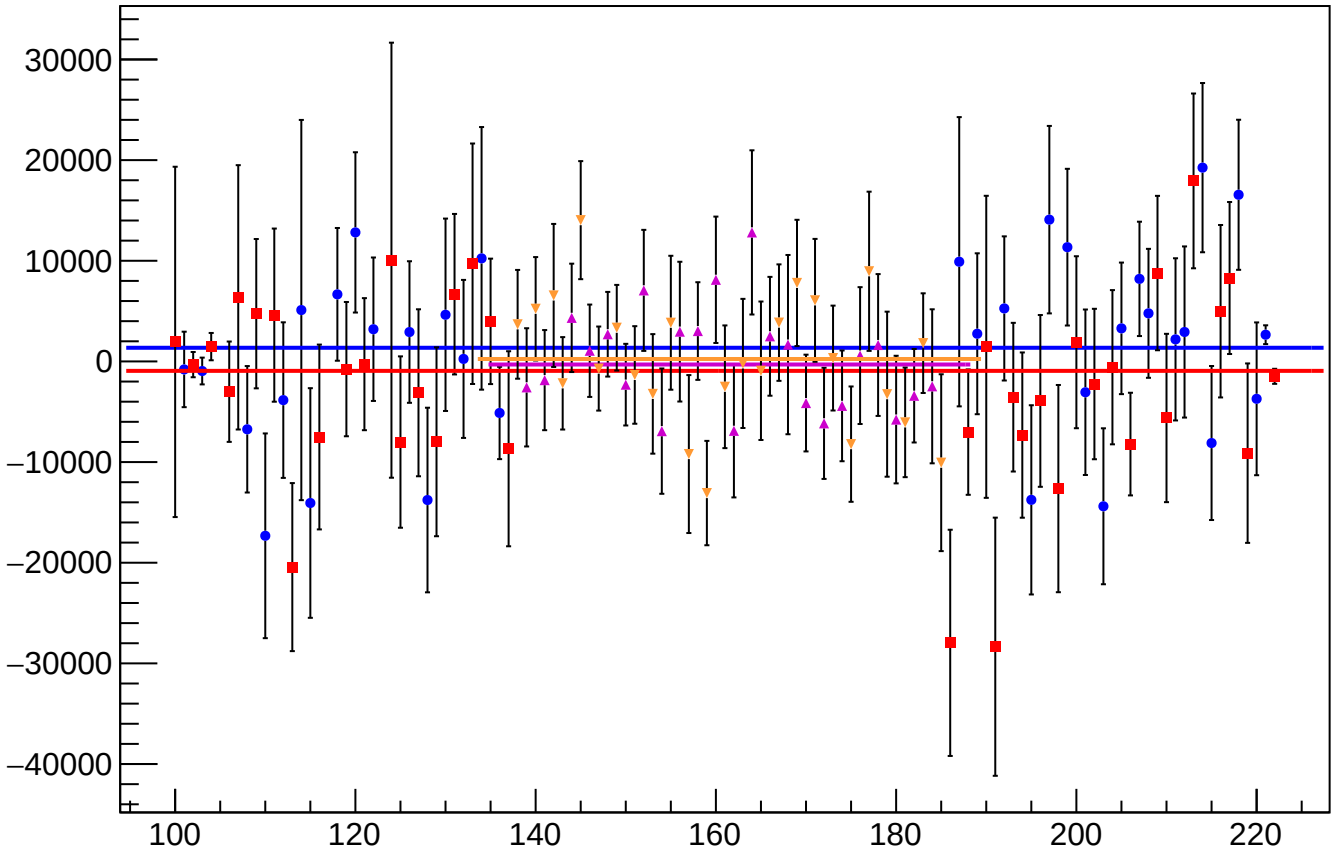
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1879.321+/-0.204 χ^2/NDF: 2231607.2/71

In: 1808.842+/-0.203 χ^2/NDF:396762.7/56

Out: 1803.319+/-0.201 χ^2/NDF:2226376.9/62

All: 1806.049+/-0.143 χ^2/NDF: 2623513.3/11



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: -937.839+/-534.263 χ^2/NDF: 41.1/37

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

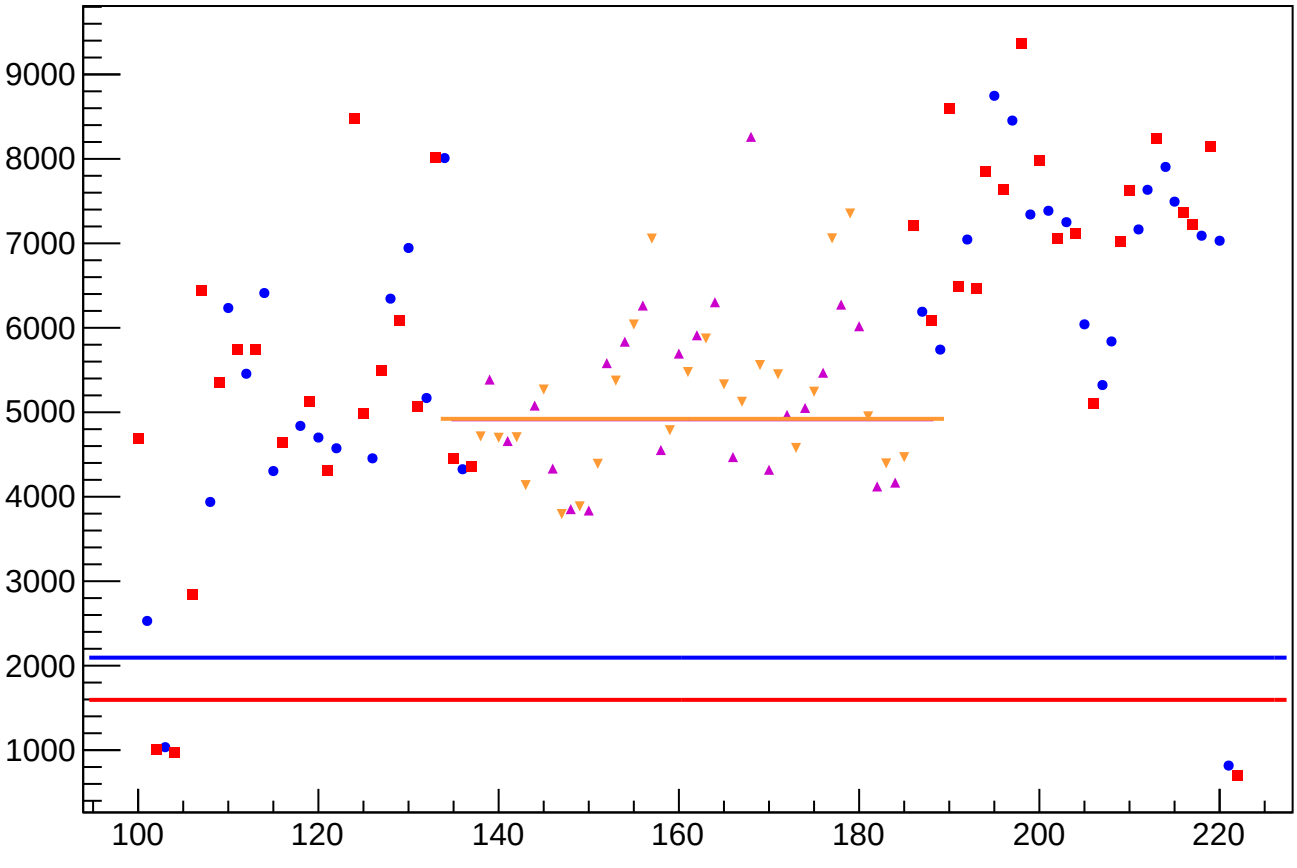
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -28.854+/-415.192 χ^2/NDF: 92.9/71

In: 956.454+/-574.786 χ^2/NDF:60.5/56

Out: -725.821+/-483.845 χ^2/NDF:68.7/62

All: -28.140+/-370.157 χ^2/NDF: 134.2/119



Right In: 2094.939+/-0.466 χ^2/NDF: 22738813.4/33

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1595.156+/-0.378 χ^2/NDF: 26693068.1/37

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

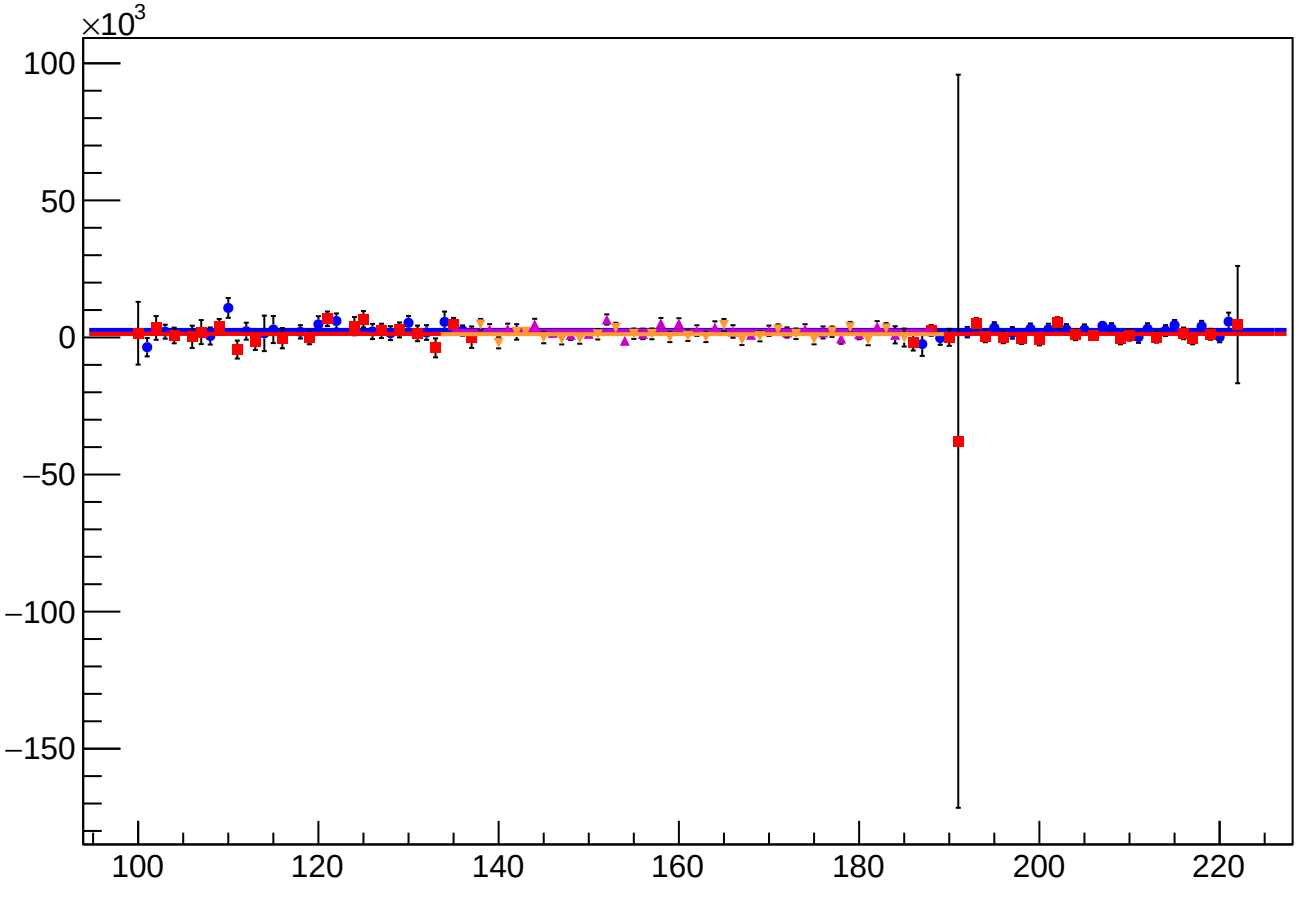
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1793.104+/-0.294 χ^2/NDF: 50125071.8/71

In: 2774.840+/-0.406 χ^2/NDF:32717190.6/56

Out: 2193.503+/-0.342 χ^2/NDF:41692851.0/62

All: 2434.597+/-0.262 χ^2/NDF: 75607428.5/1



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: 1274.349+/-411.238 χ^2/NDF: 31.7/37

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

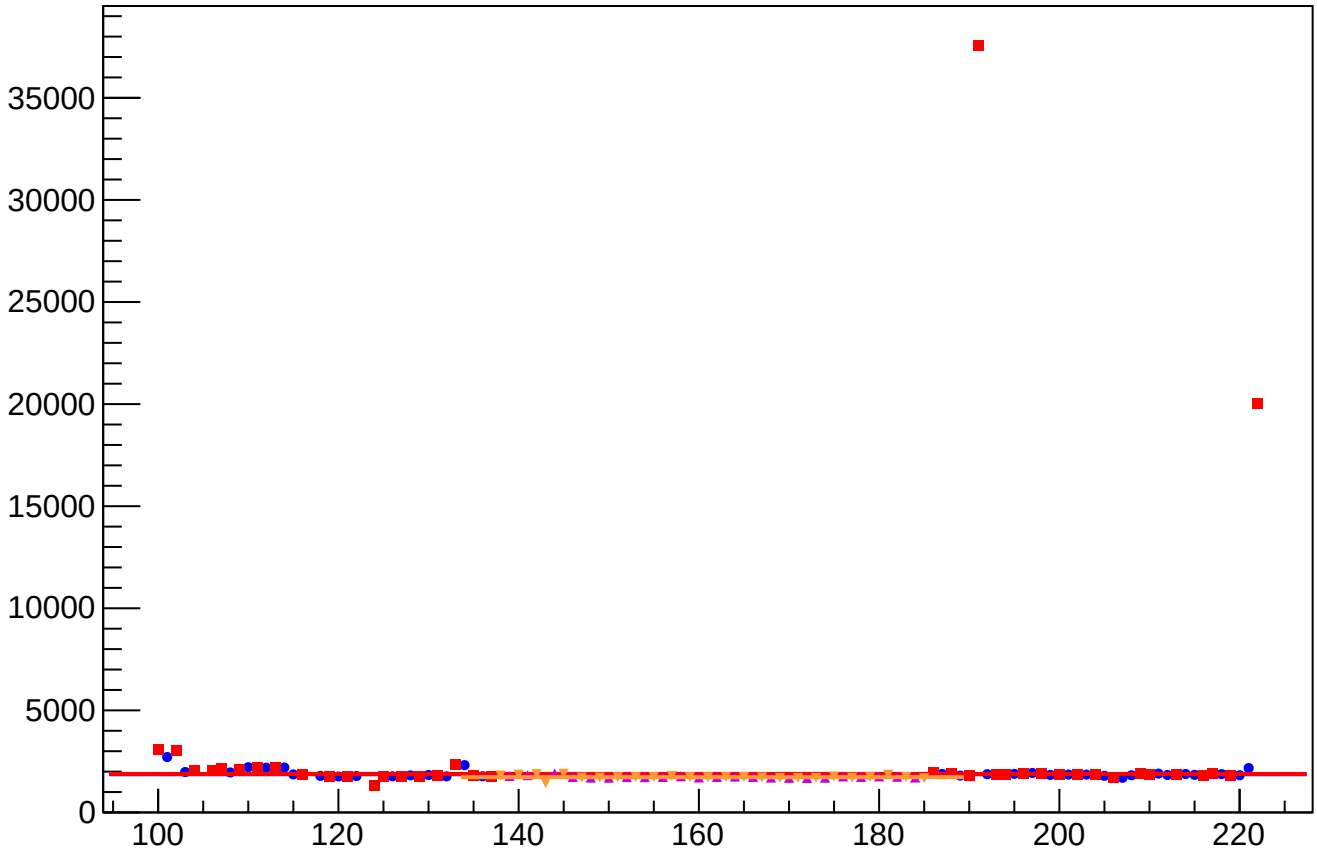
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2026.017+/-288.575 χ^2/NDF: 61.0/71

In: 2597.617+/-287.292 χ^2/NDF:43.6/56

Out: 1234.105+/-284.115 χ^2/NDF:51.2/62

All: 1908.279+/-202.014 χ^2/NDF: 106.2/119



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: 1886.592+/-0.291 χ^2/NDF: 1959085.5/37

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

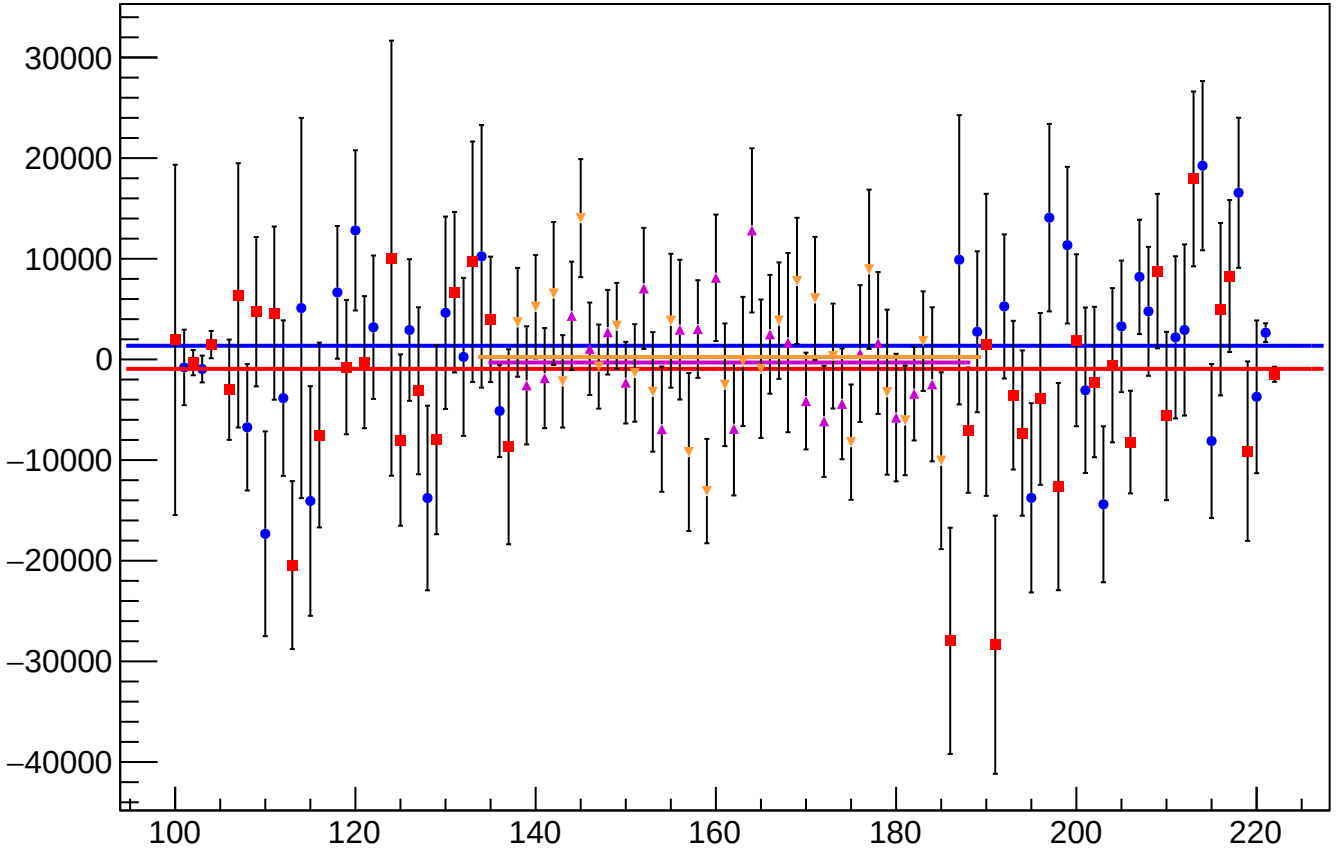
Right: 1879.321+/-0.204 χ^2/NDF: 2231606.1/71

In: 1808.842+/-0.203 χ^2/NDF:396761.2/56

Out: 1803.319+/-0.201 χ^2/NDF:2226372.8/62

All: 1806.050+/-0.143 χ^2/NDF: 2623507.7/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1357.182+/-659.727 χ^2/NDF: 44.5/33

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -937.840+/-534.262 χ^2/NDF: 41.1/37

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

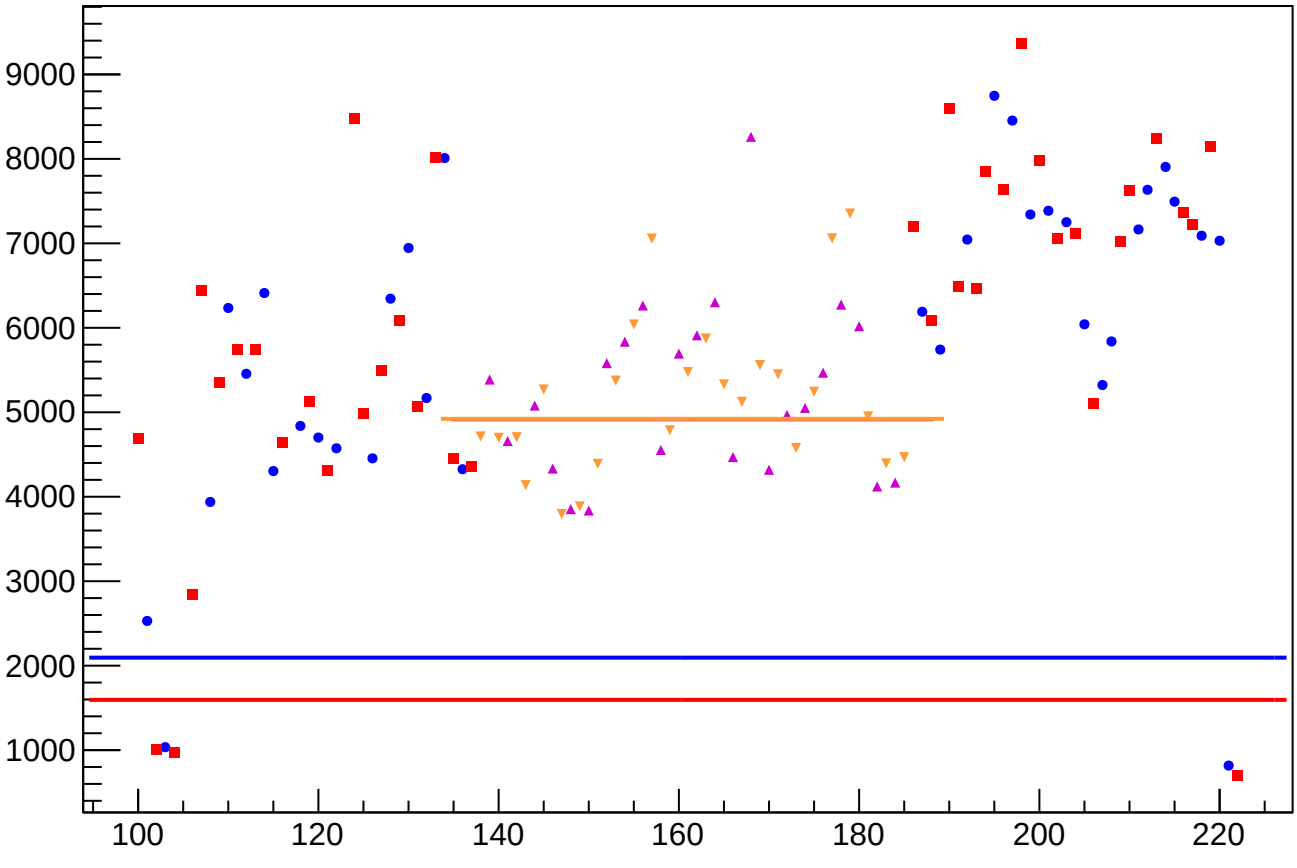
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -28.856+/-415.192 χ^2/NDF: 92.9/71

In: 956.453+/-574.786 χ^2/NDF:60.5/56

Out: -725.823+/-483.844 χ^2/NDF:68.7/62

All: -28.142+/-370.157 χ^2/NDF: 134.2/119



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: 1595.155+/-0.378 χ^2/NDF: 26693081.9/37

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

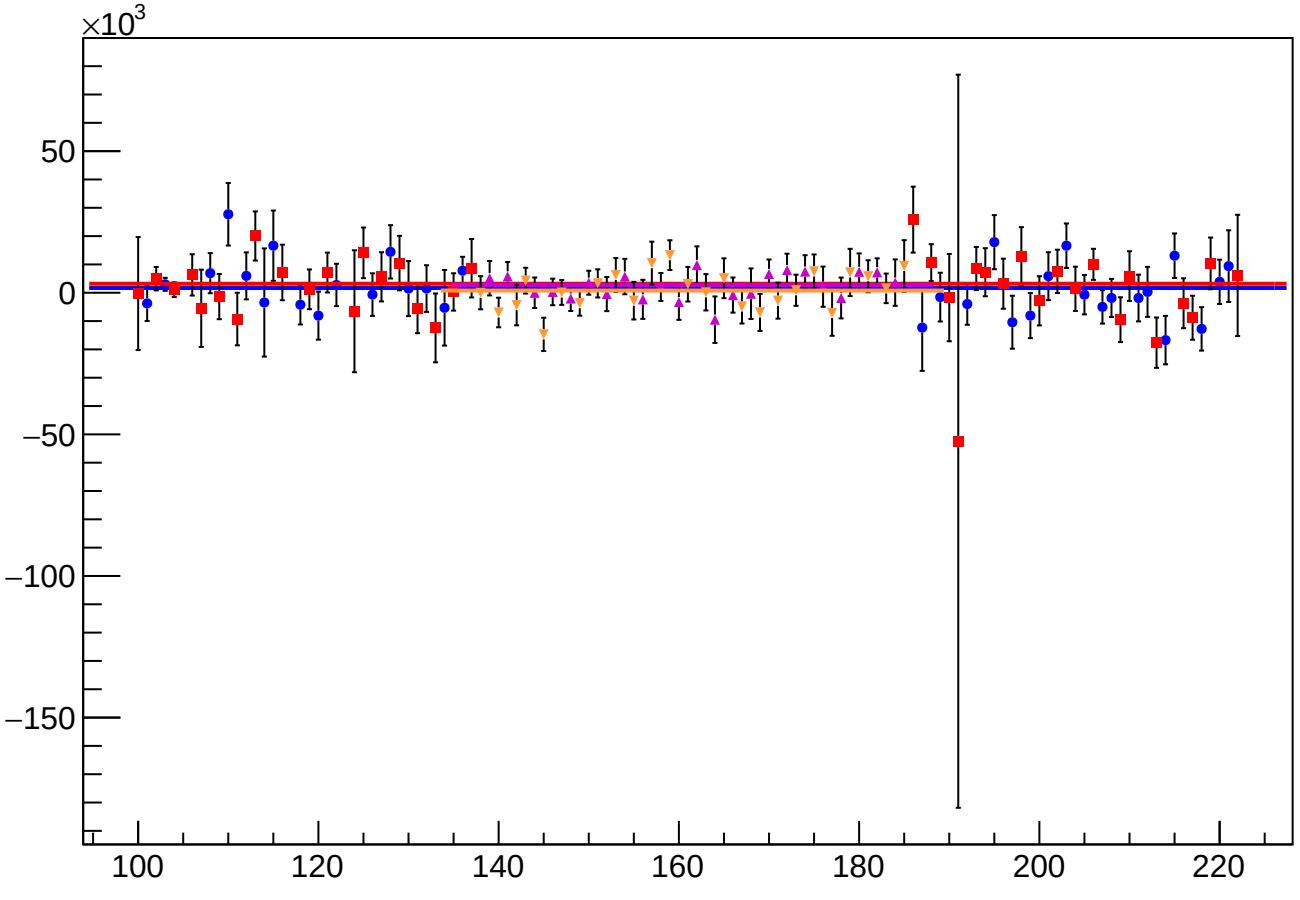
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 1793.102+/-0.294 χ^2/NDF: 50125099.7/71

In: 2774.838+/-0.406 χ^2/NDF:32717248.8/56

Out: 2193.500+/-0.342 χ^2/NDF:41692916.6/62

All: 2434.595+/-0.262 χ^2/NDF: 75607555.5/1



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: 3184.071+/-1222.859 χ^2/NDF: 34.6/37

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

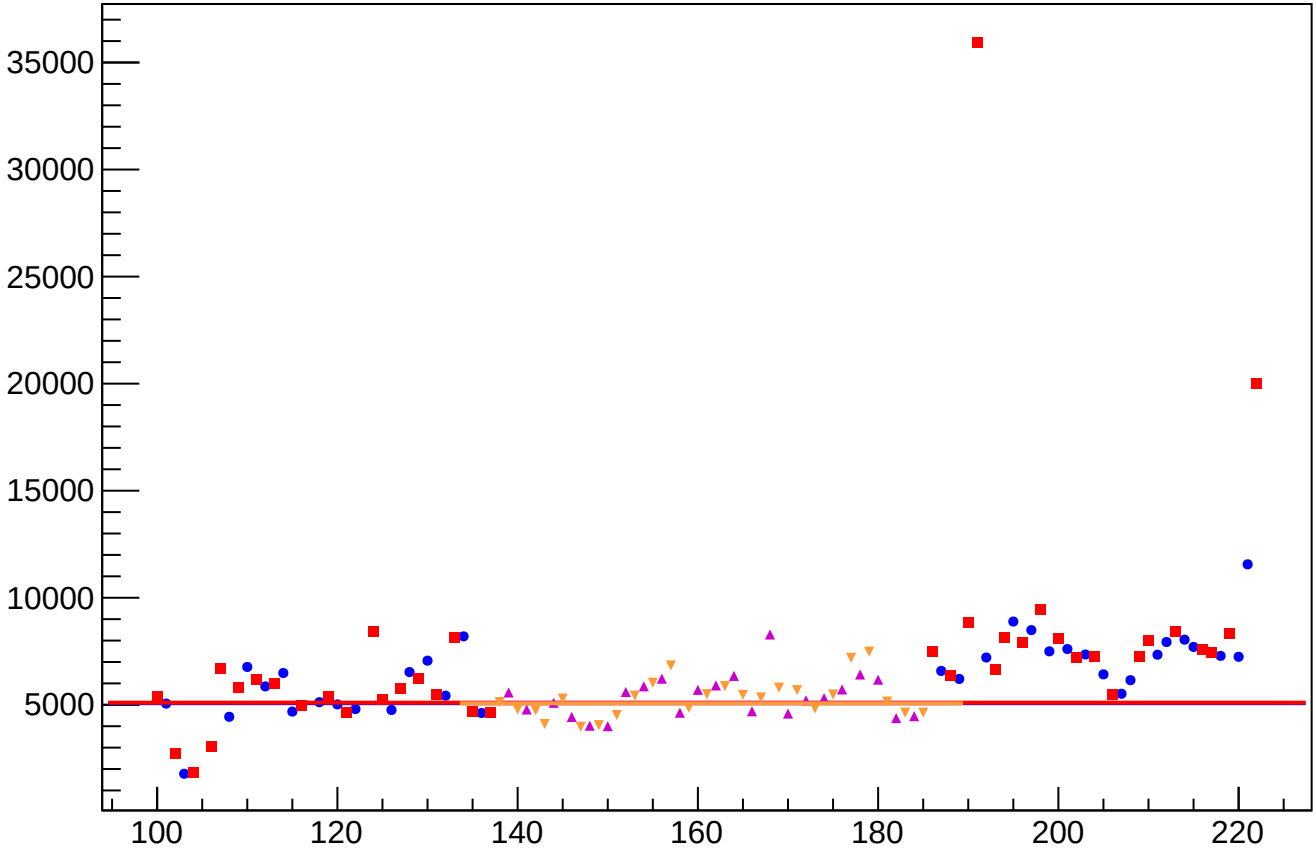
Right: 2422.733+/-856.144 χ^2/NDF: 74.3/71

In: 2195.095+/-850.395 χ^2/NDF:51.2/56

Out: 1935.119+/-846.124 χ^2/NDF:64.2/62

All: 2064.453+/-599.805 χ^2/NDF: 115.4/119

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: 5100.894+/-0.859 χ^2/NDF: 8389941.0/37

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

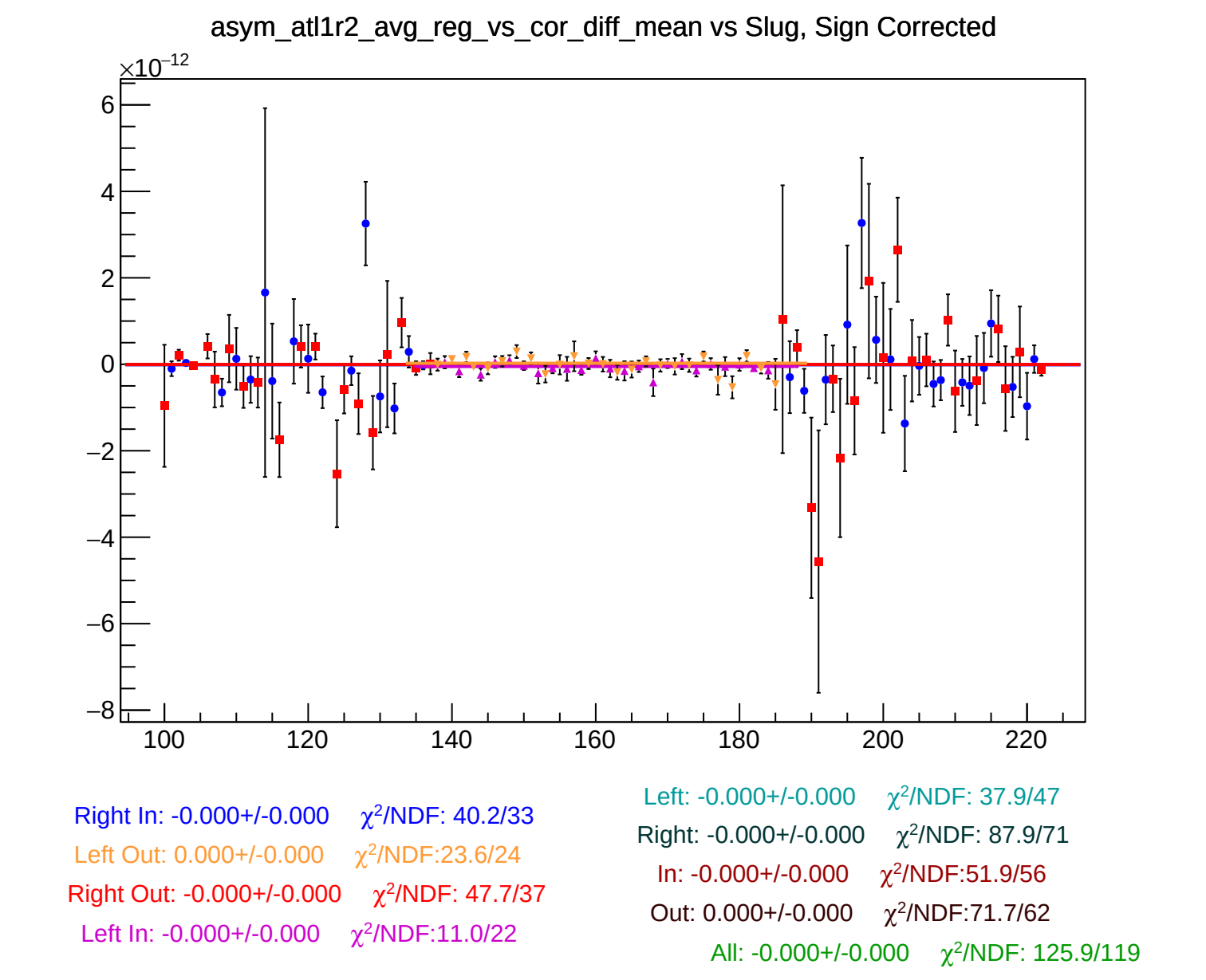
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

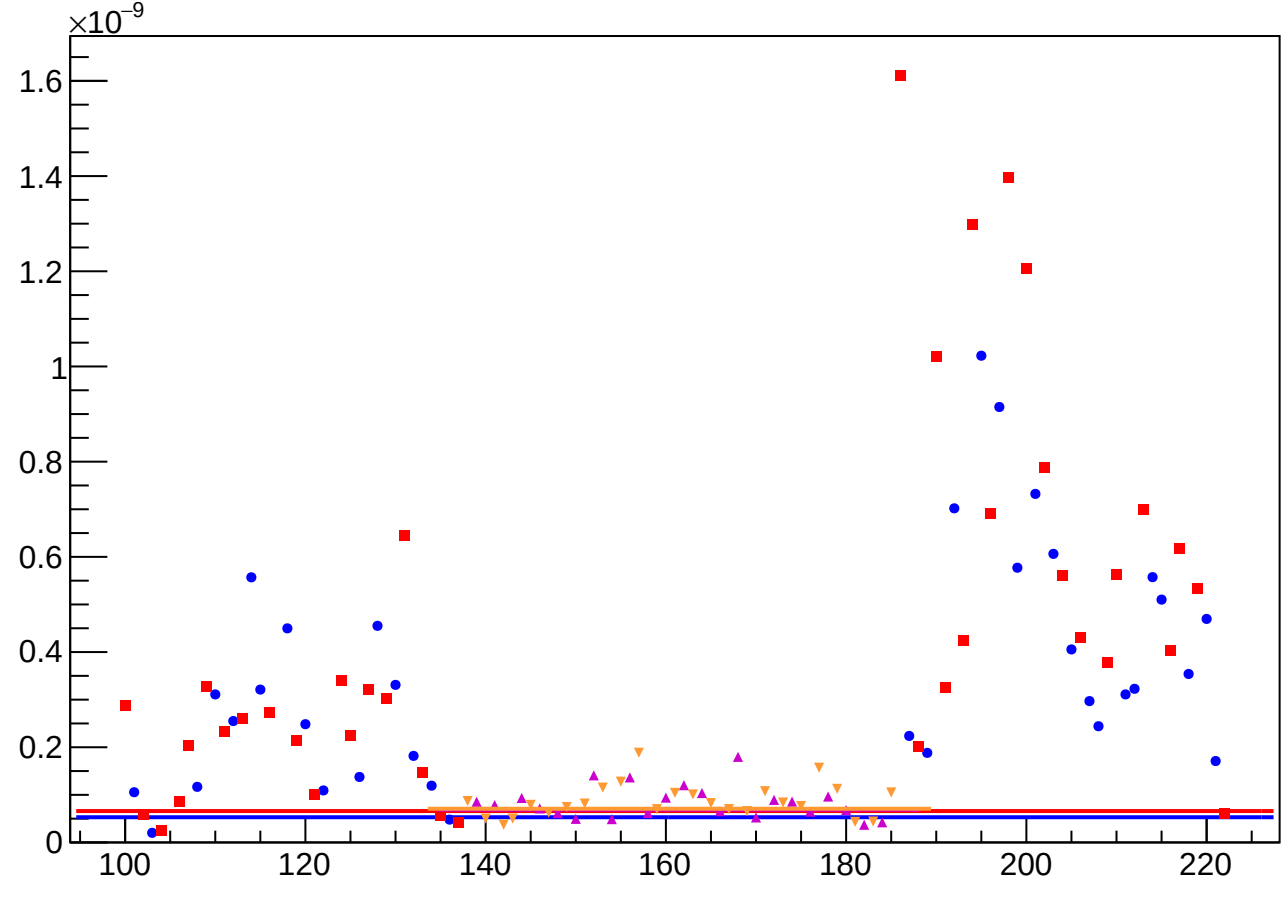
Right: 5088.206+/-0.604 χ^2/NDF: 16037893.0/71

In: 5077.773+/-0.601 χ^2/NDF:8648773.6/56

Out: 5083.798+/-0.597 χ^2/NDF:9344958.8/62

All: 5080.810+/-0.423 χ^2/NDF: 17993783.0/


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 40.2/33
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 47.7/37
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 87.9/71
In: -0.000+/-0.000 χ²/NDF:51.9/56
Out: 0.000+/-0.000 χ²/NDF:71.7/62
All: -0.000+/-0.000 χ²/NDF: 125.9/119



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: 13043811.0/37

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

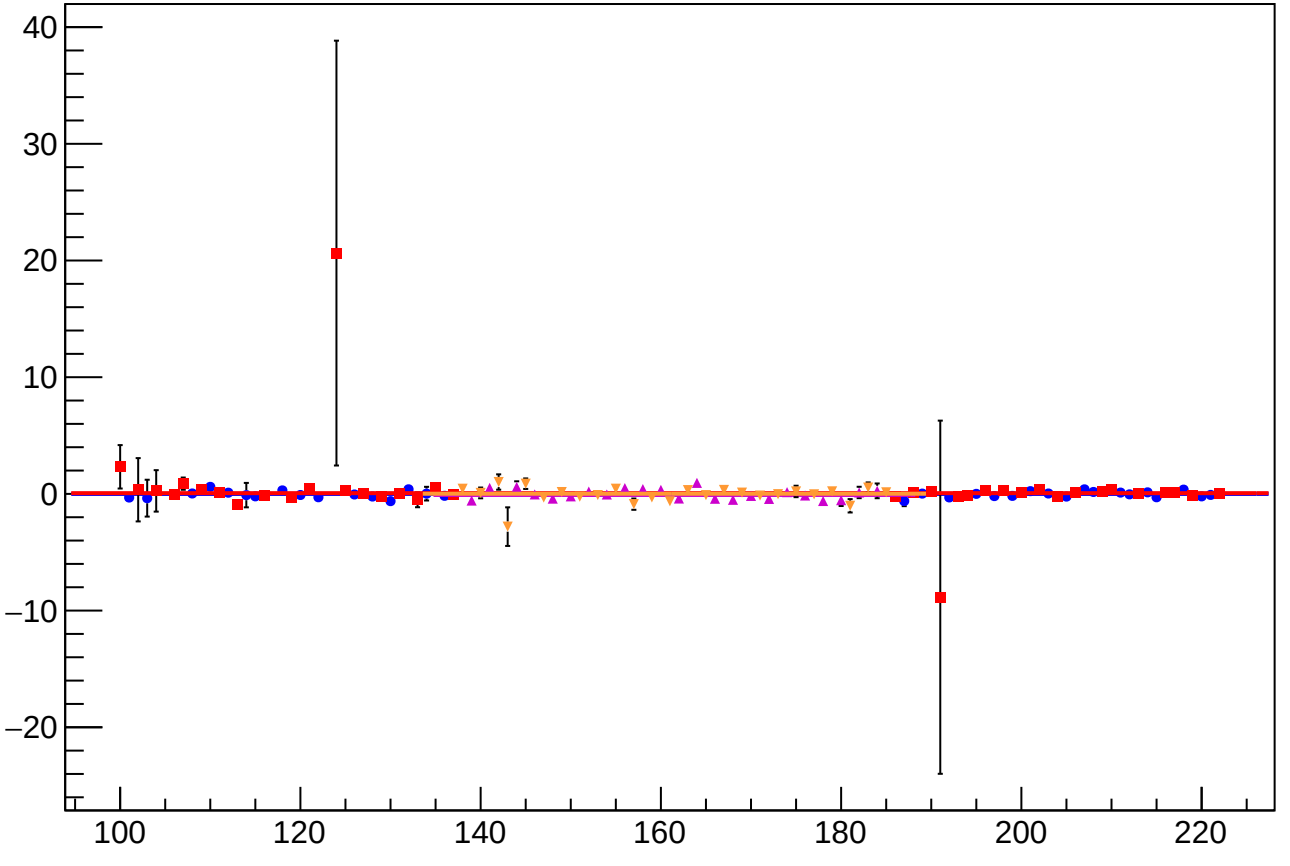
Right: 0.000+/-0.000 χ^2/NDF: 25416949.5/71

In: 0.000+/-0.000 χ^2/NDF:13931717.3/56

Out: 0.000+/-0.000 χ^2/NDF:14551458.7/62

All: 0.000+/-0.000 χ^2/NDF: 28571465.4/119

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: 33.9/37

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

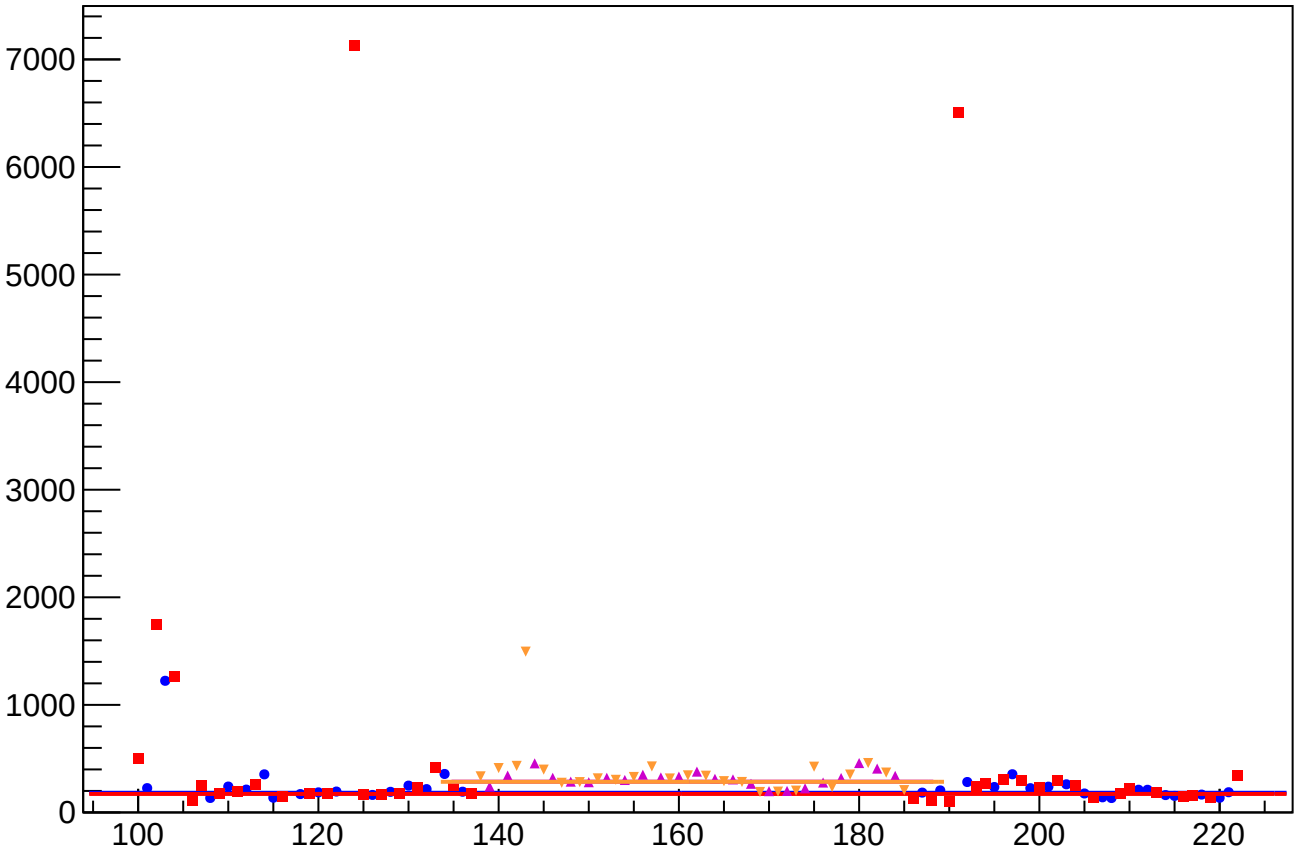
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.030+/-0.029 χ^2/NDF: 70.2/71

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.050+/-0.035 χ^2/NDF:62.5/62

All: 0.013+/-0.025 χ^2/NDF: 131.9/119



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: 172.116+/-0.029 χ^2/NDF: 5995634.2/37

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

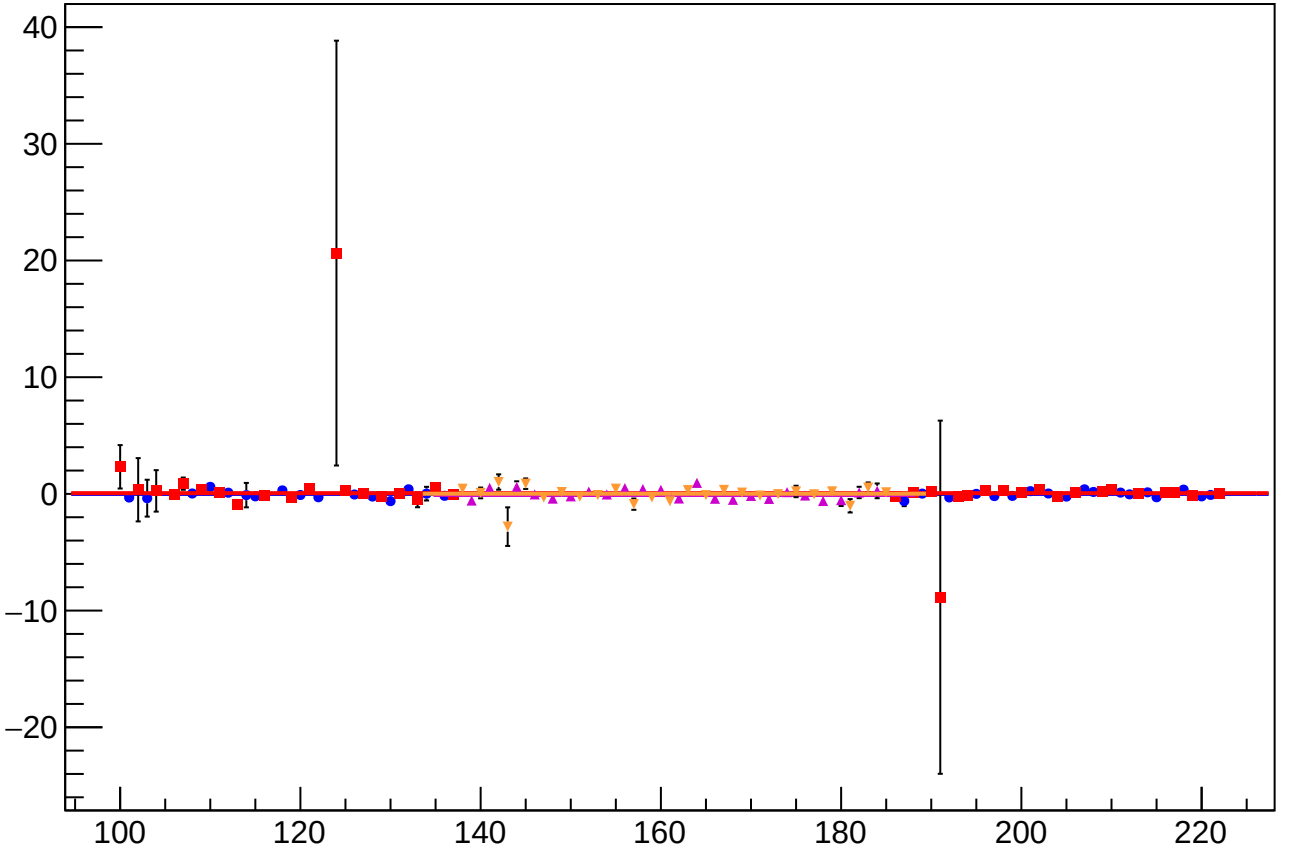
Right: 177.385+/-0.021 χ^2/NDF: 9183565.4/71

In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 201.038+/-0.025 χ^2/NDF:13294036.3/62

All: 205.443+/-0.018 χ^2/NDF: 21369609.1/11

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: 33.9/37

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

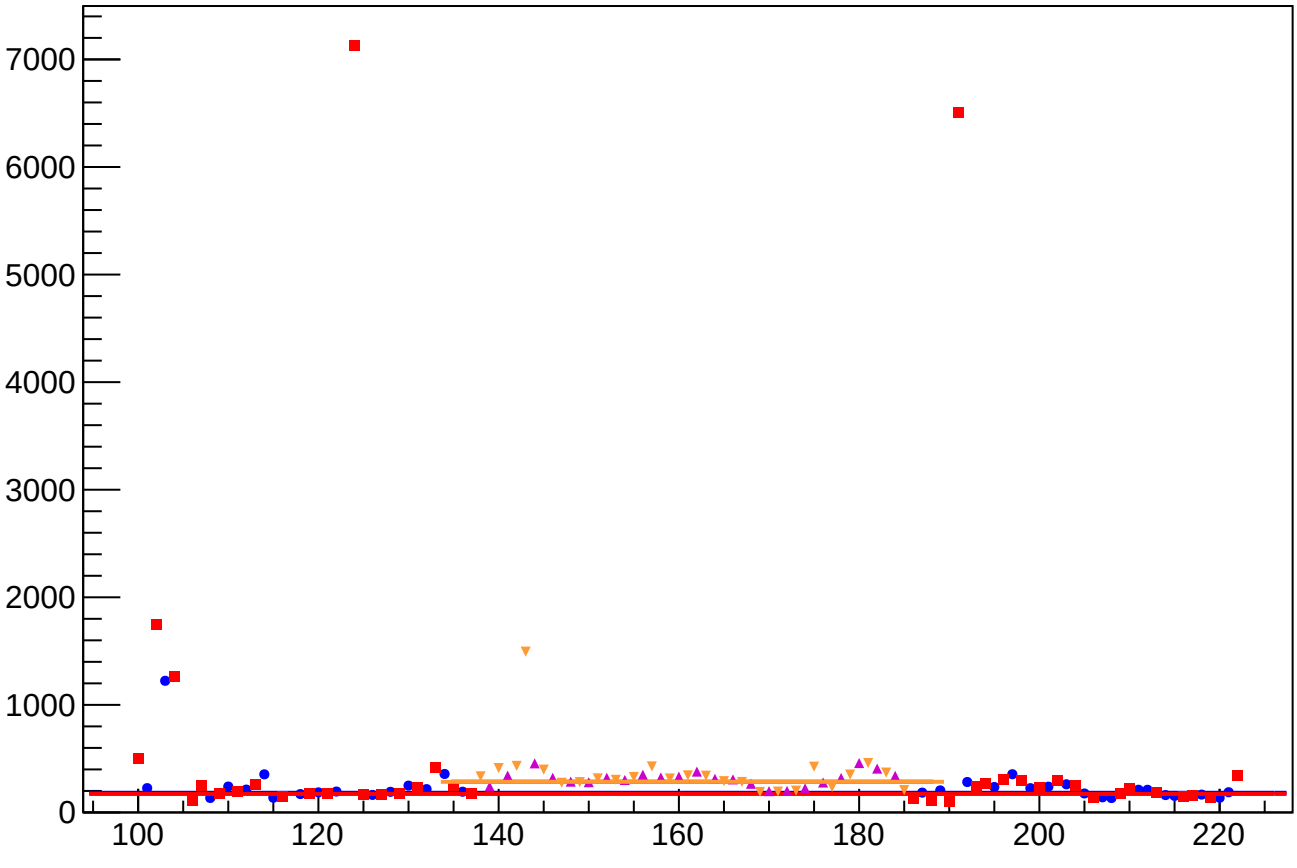
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.030+/-0.029 χ^2/NDF: 70.2/71

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.050+/-0.035 χ^2/NDF:62.5/62

All: 0.013+/-0.025 χ^2/NDF: 131.9/119



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: 172.116+/-0.029 χ^2/NDF: 5995634.2/37

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

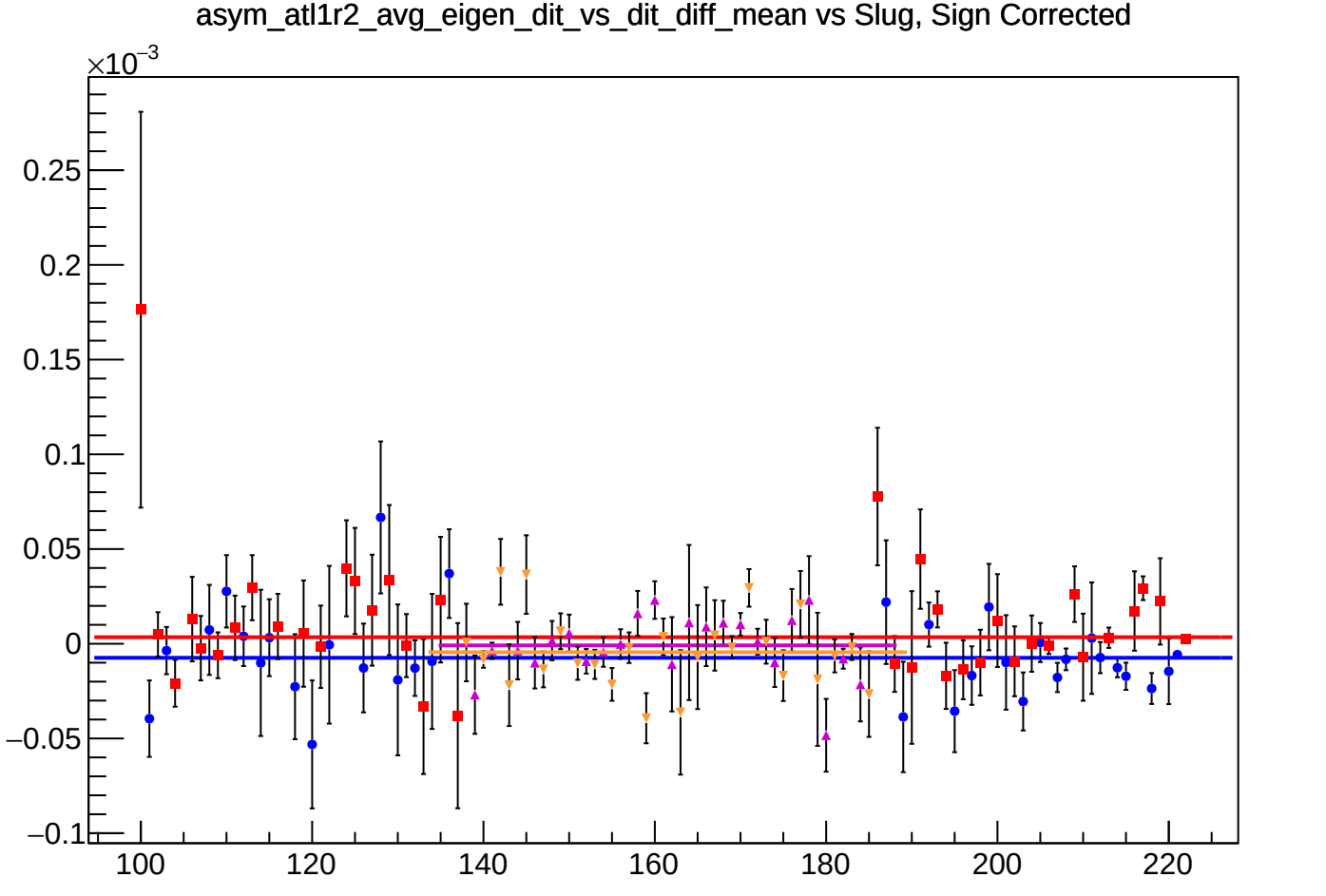
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 177.385+/-0.021 χ^2/NDF: 9183565.4/71

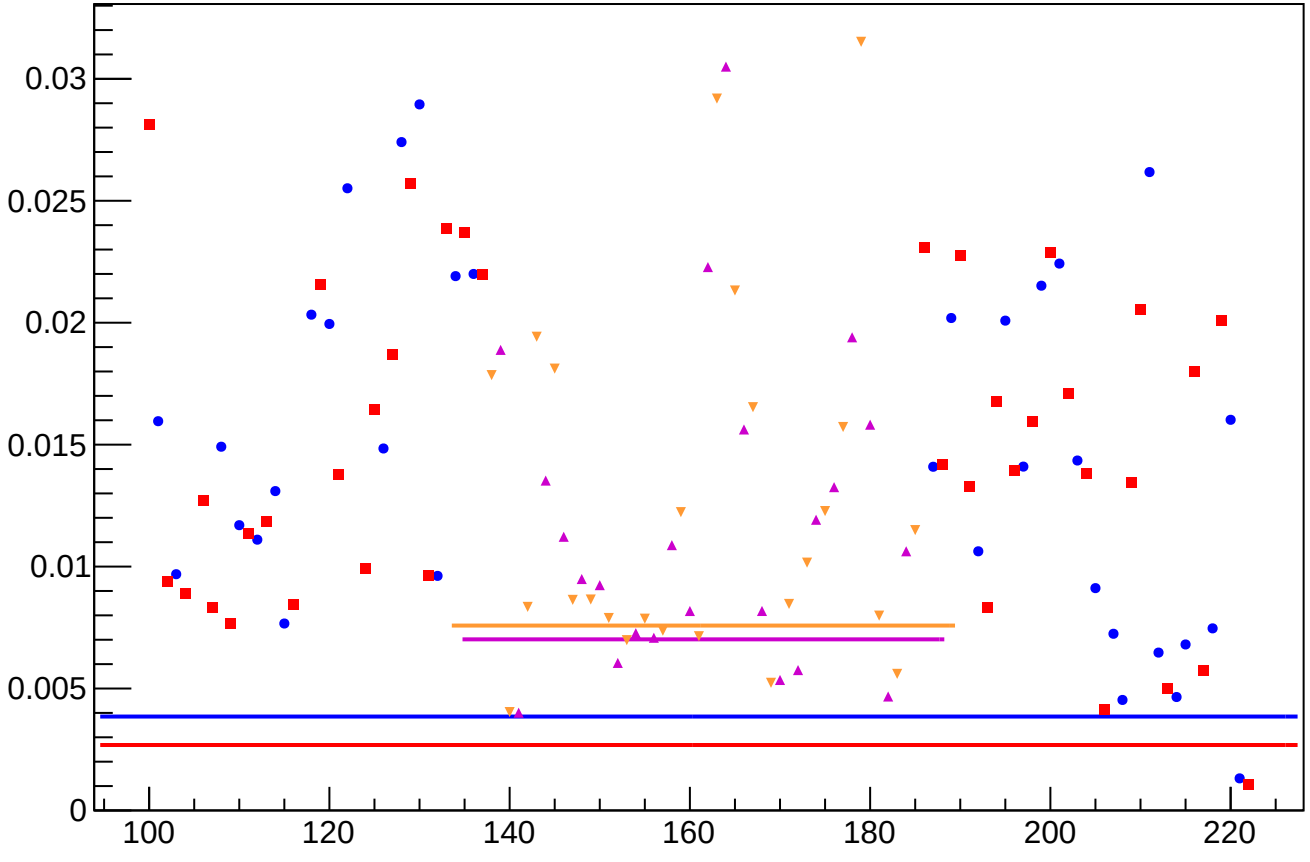
In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 201.038+/-0.025 χ^2/NDF:13294036.3/62

All: 205.443+/-0.018 χ^2/NDF: 21369609.1/11


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: 52.5/37
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: 132.9/71
In: -0.000+/-0.000 χ²/NDF:74.3/56
Out: 0.000+/-0.000 χ²/NDF:109.1/62
All: -0.000+/-0.000 χ²/NDF: 209.0/119

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.003+/-0.000 χ^2/NDF: 29303520.8/37

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

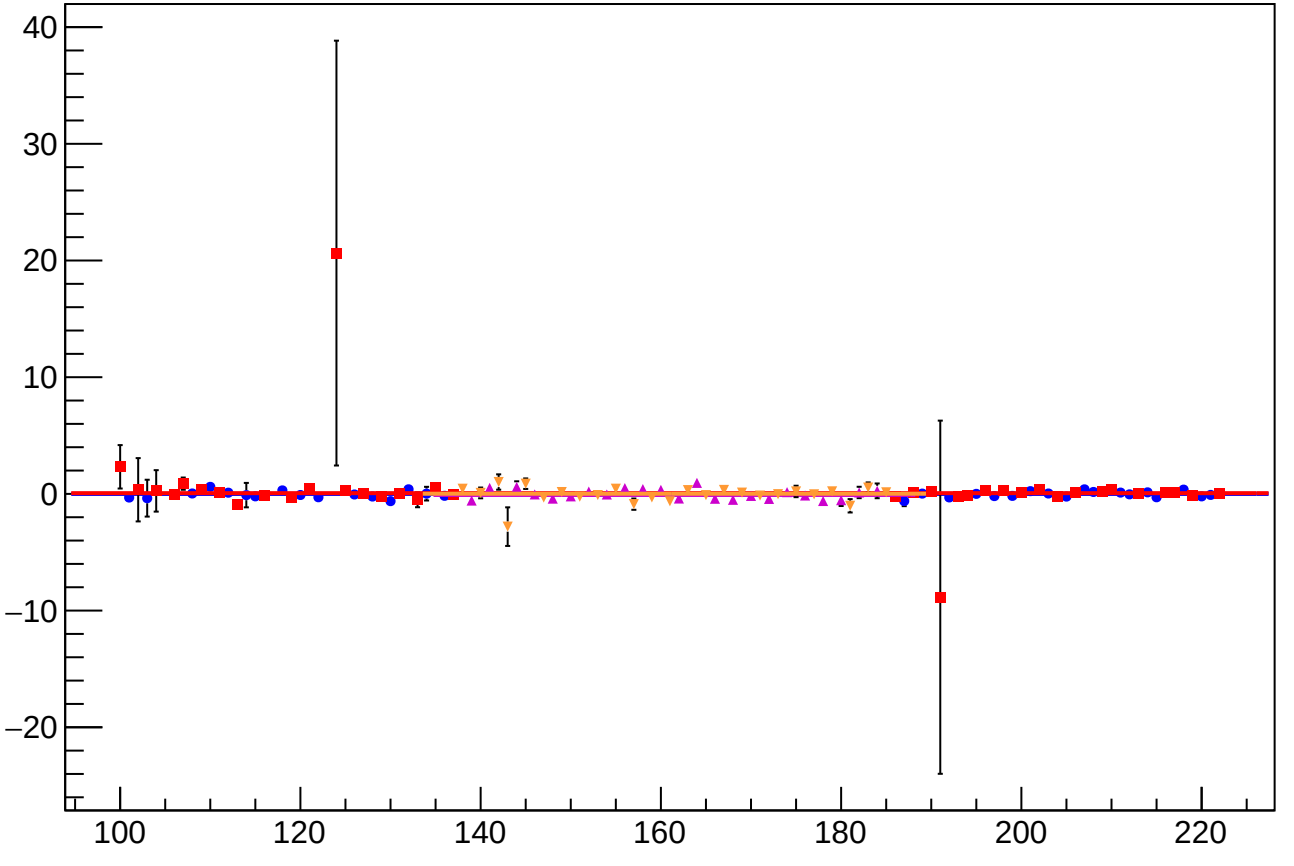
Right: 0.003+/-0.000 χ^2/NDF: 54209671.3/71

In: 0.005+/-0.000 χ^2/NDF:34404012.9/56

Out: 0.004+/-0.000 χ^2/NDF:46396493.7/62

All: 0.004+/-0.000 χ^2/NDF: 82123330.2/119

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: 33.9/37

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

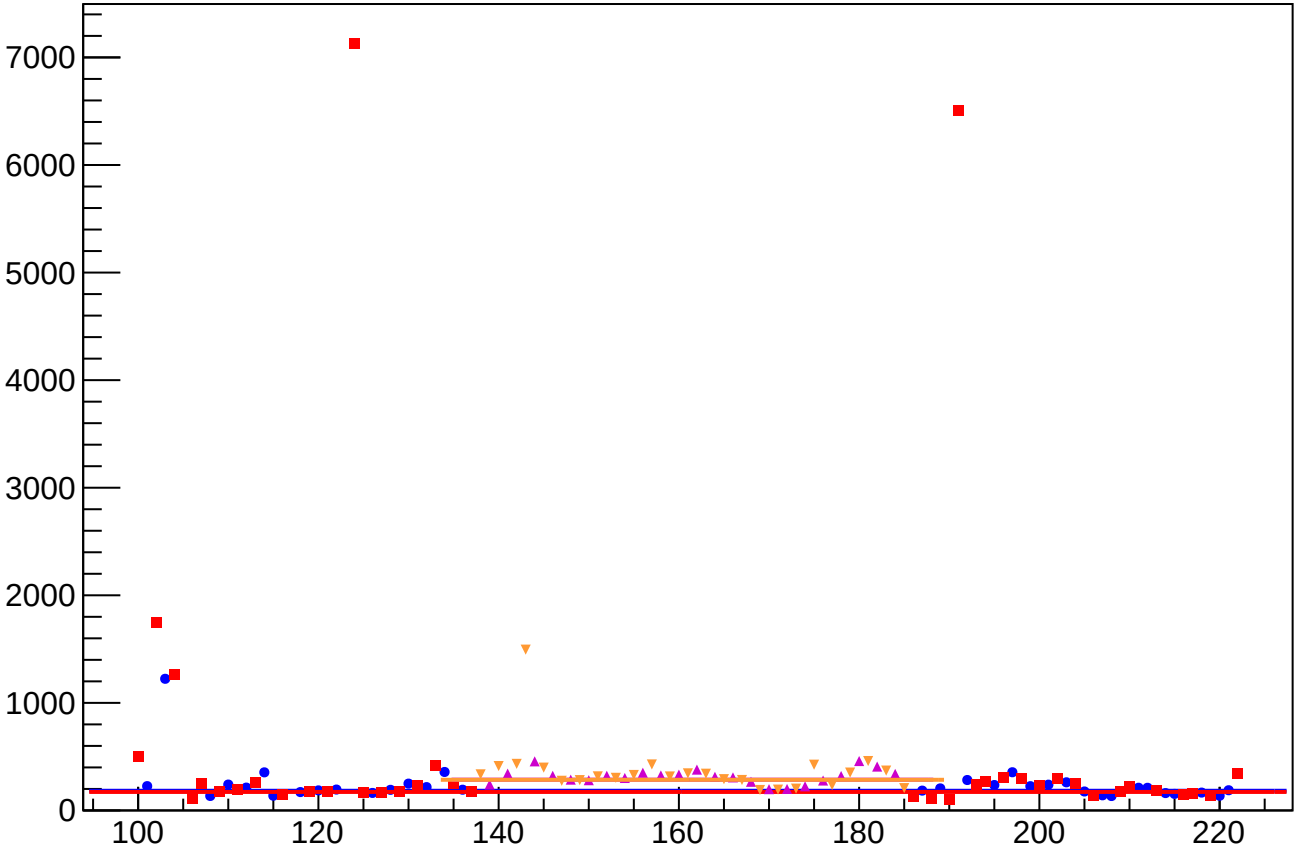
Right: 0.030+/-0.029 χ^2/NDF: 70.2/71

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.050+/-0.035 χ^2/NDF:62.5/62

All: 0.013+/-0.025 χ^2/NDF: 131.9/119

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: 172.114+/-0.029 χ^2/NDF: 5995754.3/37

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

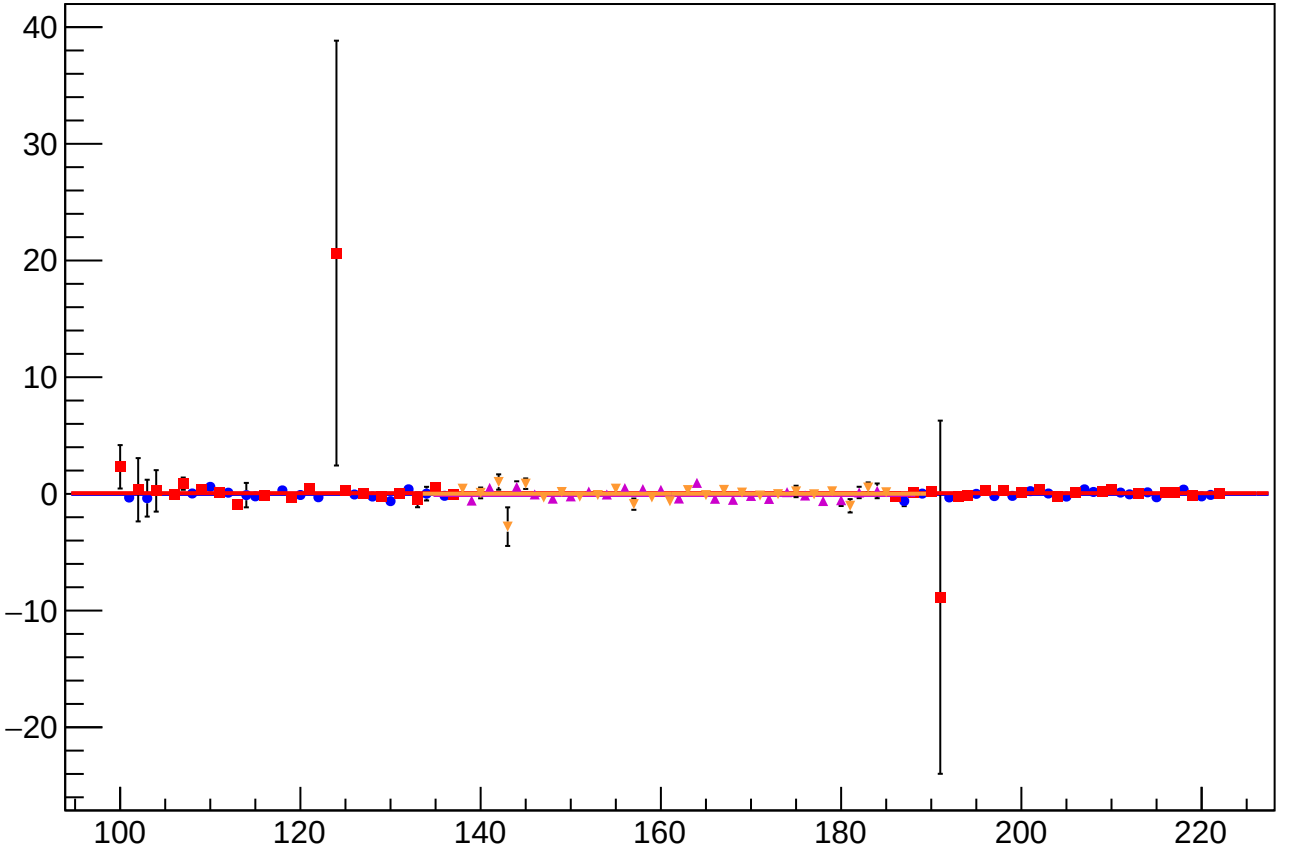
Right: 177.384+/-0.021 χ^2/NDF: 9183707.8/71

In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 201.037+/-0.025 χ^2/NDF:13294460.0/62

All: 205.442+/-0.018 χ^2/NDF: 21370240.0/11

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: 33.9/37

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

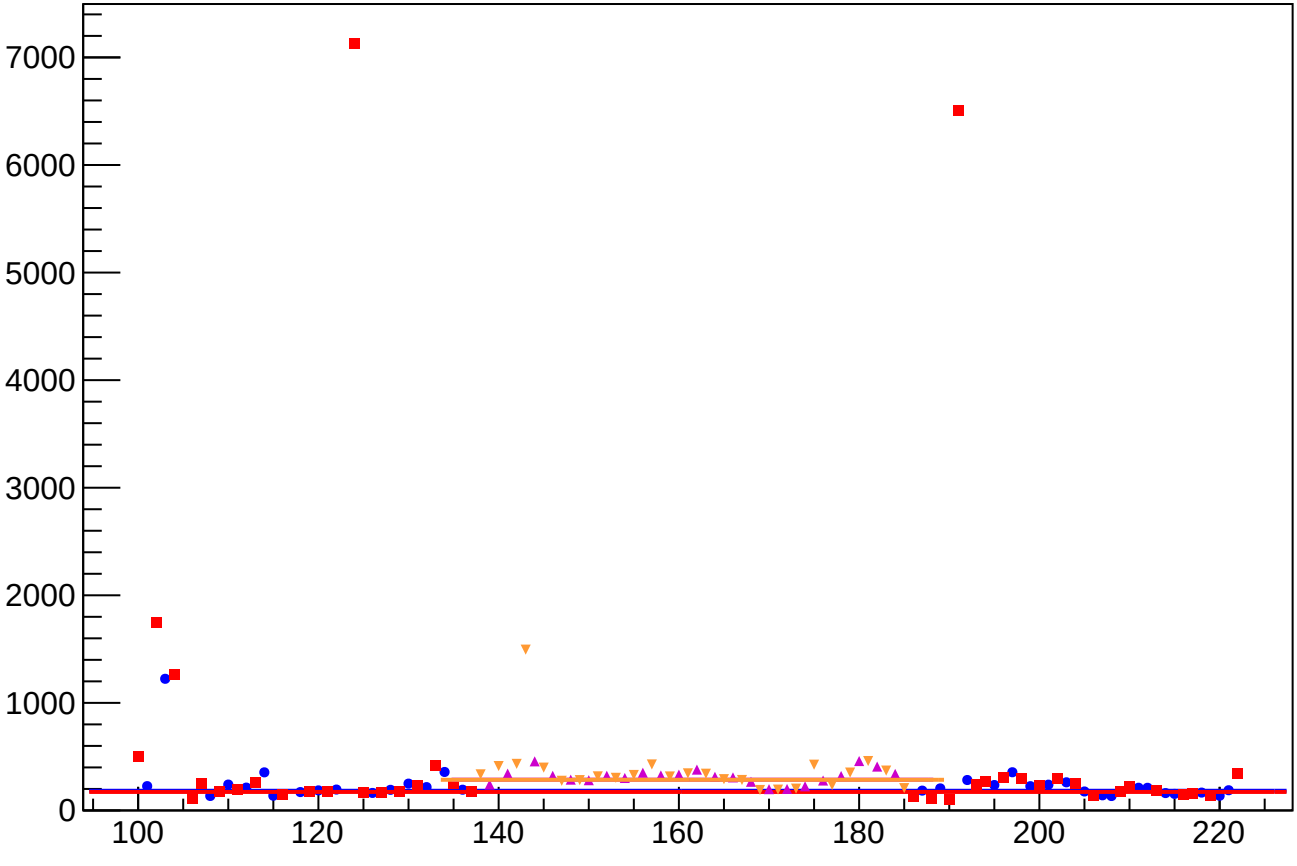
Right: 0.030+/-0.029 χ^2/NDF: 70.2/71

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.050+/-0.035 χ^2/NDF:62.5/62

All: 0.013+/-0.025 χ^2/NDF: 131.9/119

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: 172.114+/-0.029 χ^2/NDF: 5995754.3/37

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

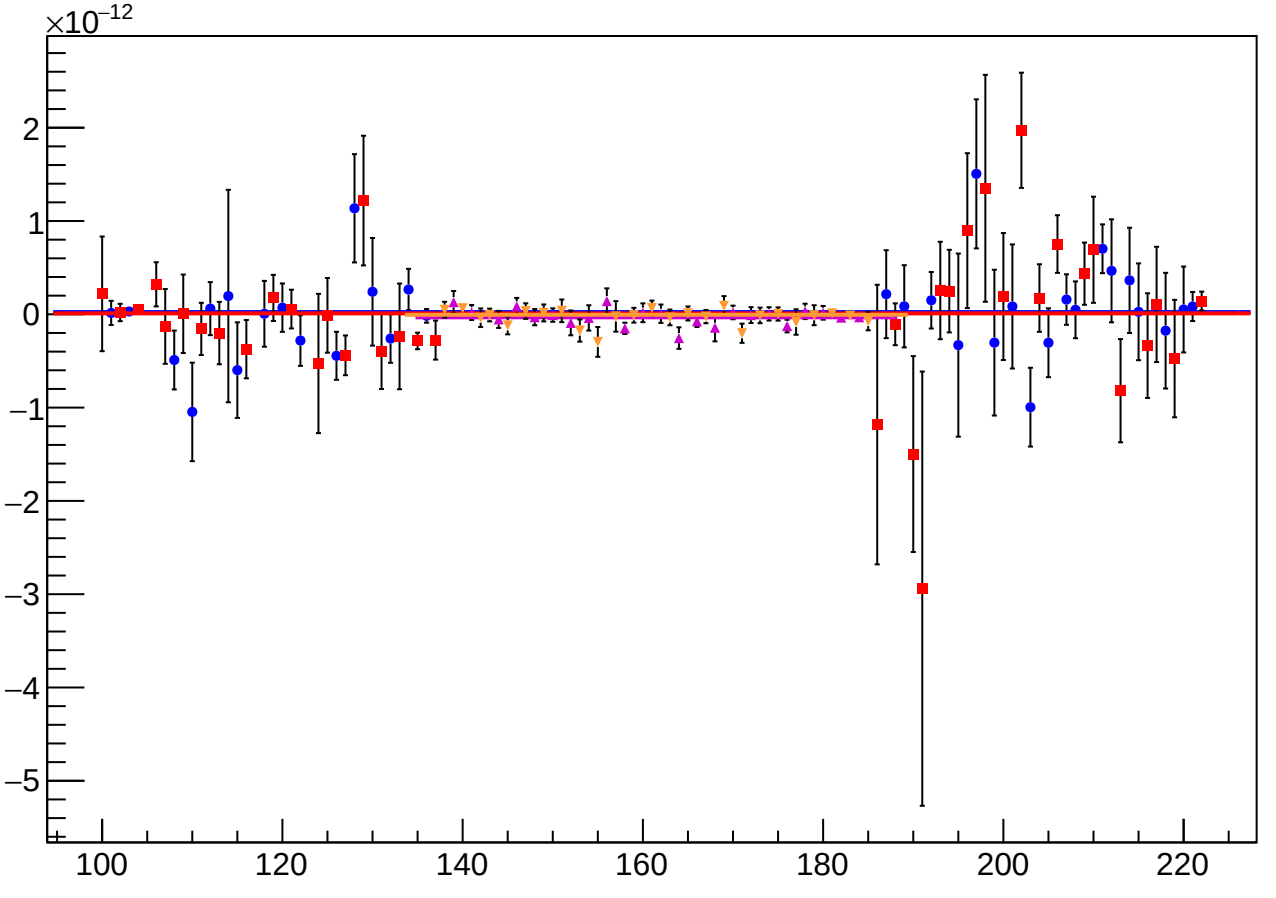
Right: 177.384+/-0.021 χ^2/NDF: 9183707.8/71

In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 201.037+/-0.025 χ^2/NDF:13294460.0/62

All: 205.442+/-0.018 χ^2/NDF: 21370240.0/11

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: 59.5/37

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

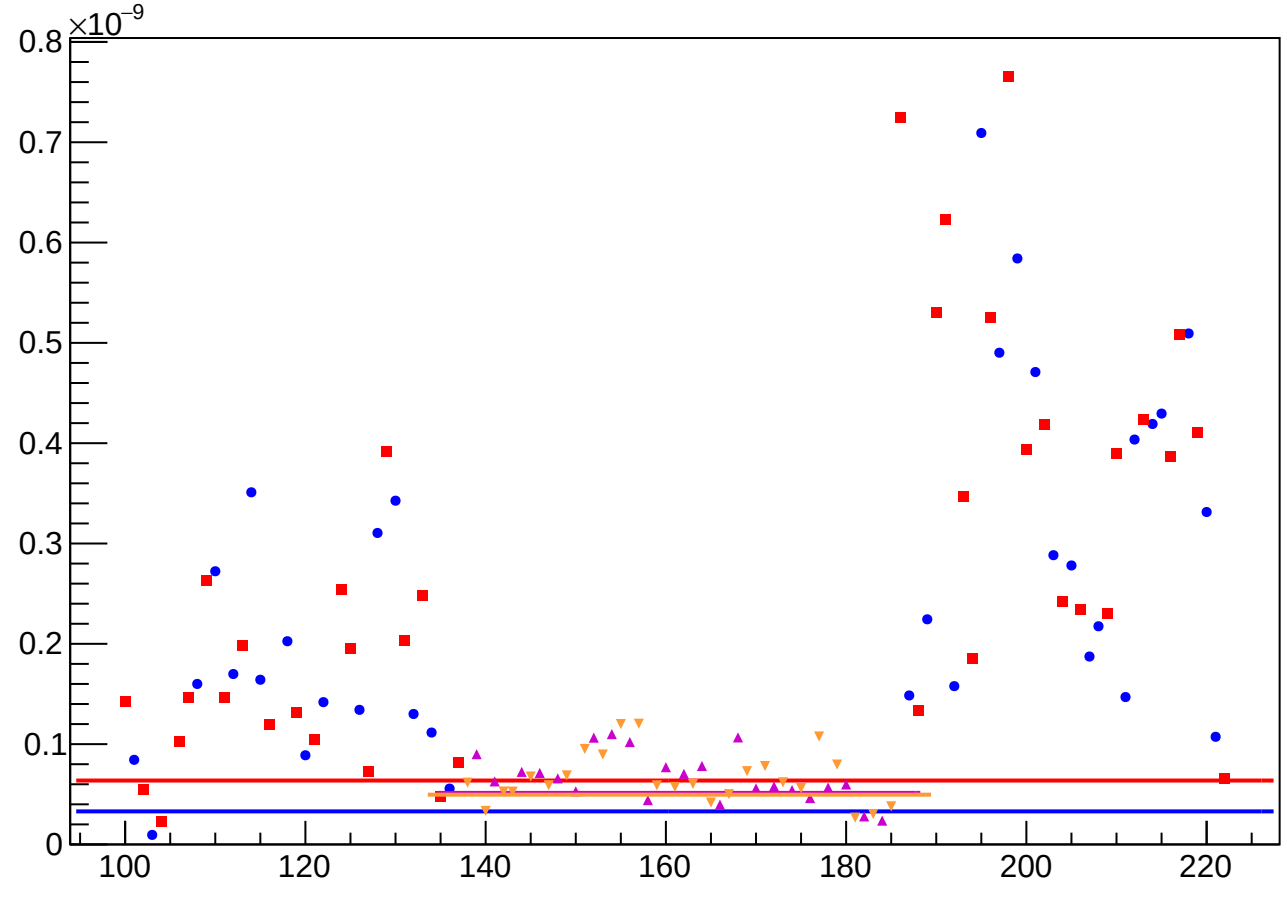
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 98.1/71

In: -0.000+/-0.000 χ^2/NDF:62.1/56

Out: -0.000+/-0.000 χ^2/NDF:76.3/62

All: -0.000+/-0.000 χ^2/NDF: 138.6/119



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: 14435749.9/37

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

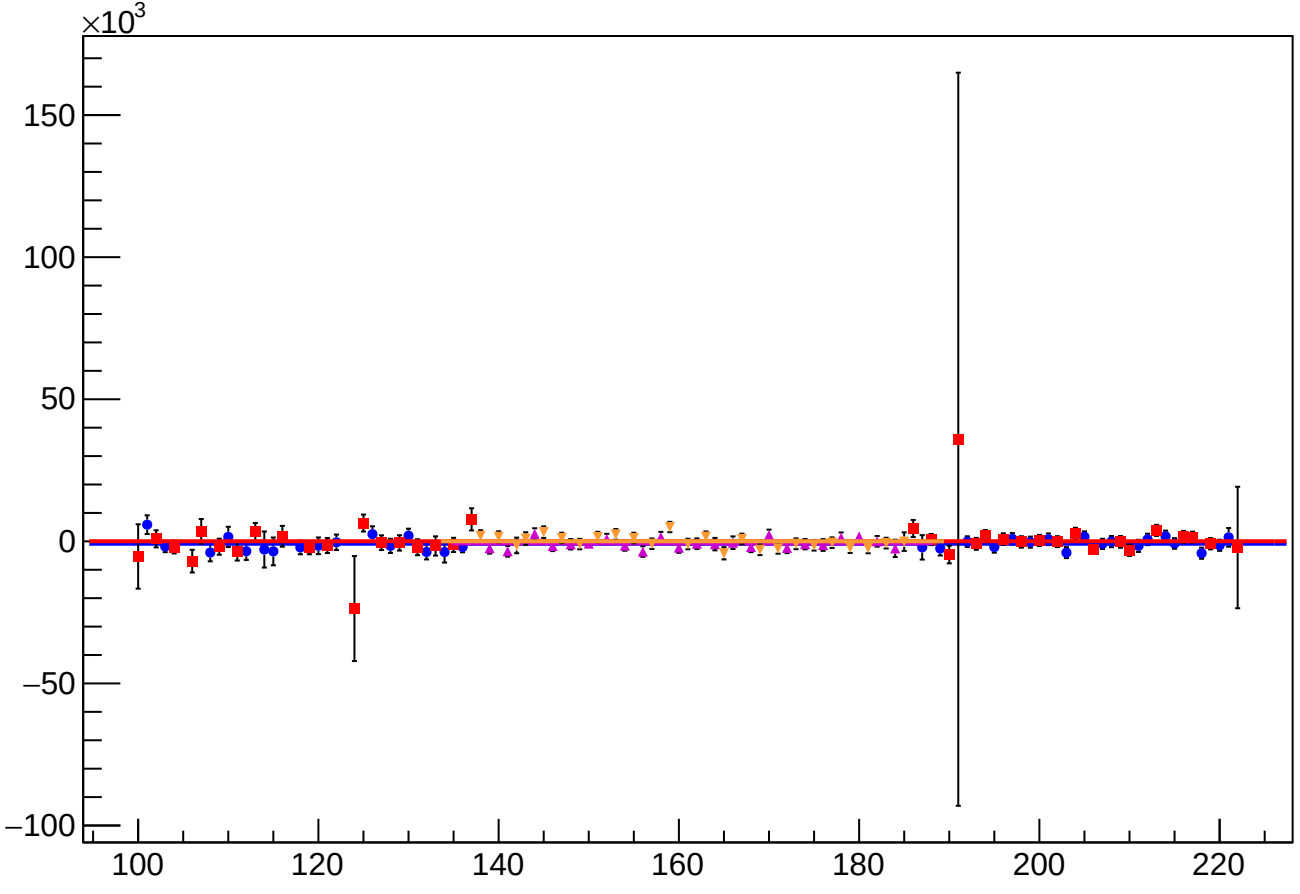
Right: 0.000+/-0.000 χ^2/NDF: 36069753.8/71

In: 0.000+/-0.000 χ^2/NDF:24807362.6/56

Out: 0.000+/-0.000 χ^2/NDF:18694262.8/62

All: 0.000+/-0.000 χ^2/NDF: 43915483.6/119

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: 37.928+/-405.043 χ^2/NDF: 39.0/37

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

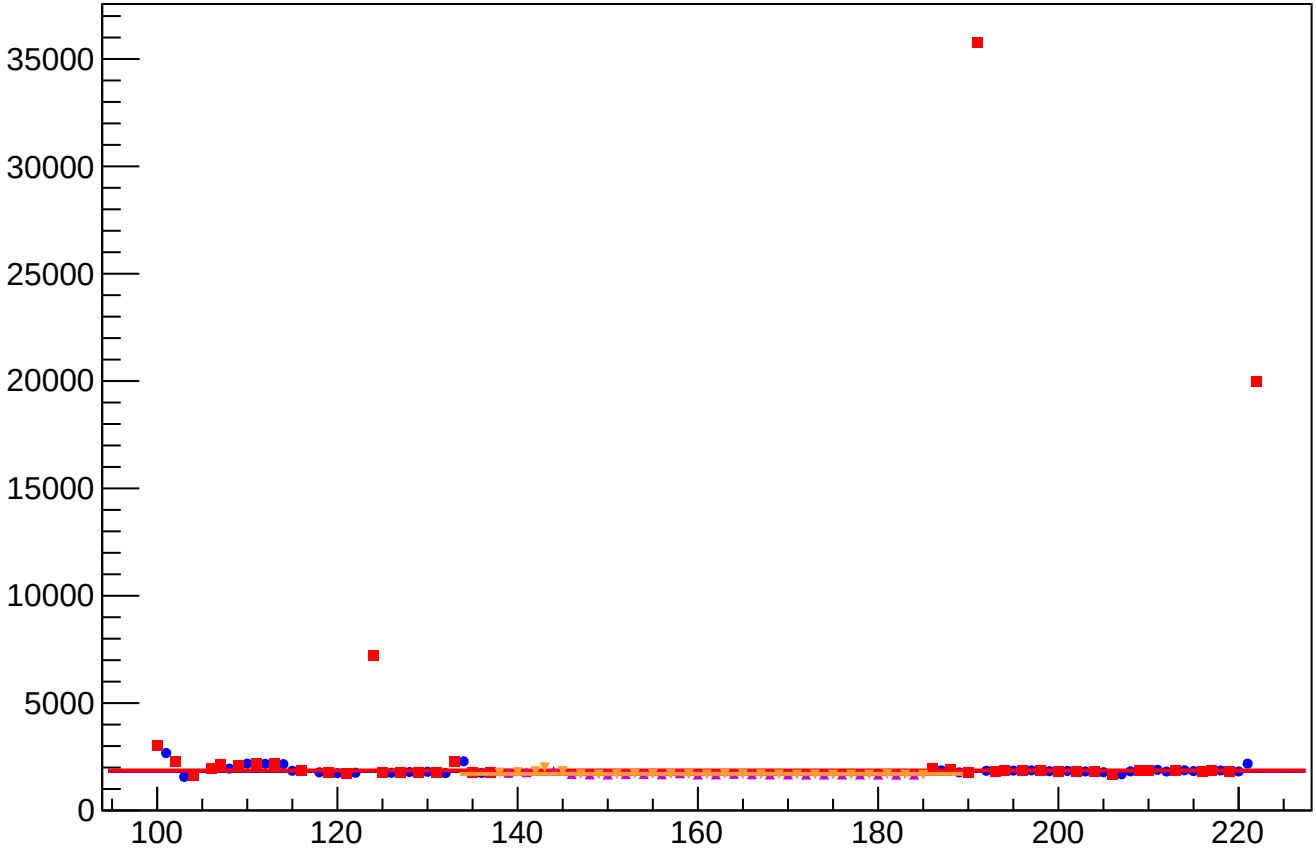
Right: -409.439+/-283.795 χ^2/NDF: 66.7/71

In: -779.973+/-280.790 χ^2/NDF:44.3/56

Out: 30.198+/-280.088 χ^2/NDF:68.5/62

All: -373.873+/-198.300 χ^2/NDF: 117.0/119

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: 1860.941+/-0.286 χ^2/NDF: 1976408.9/37

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

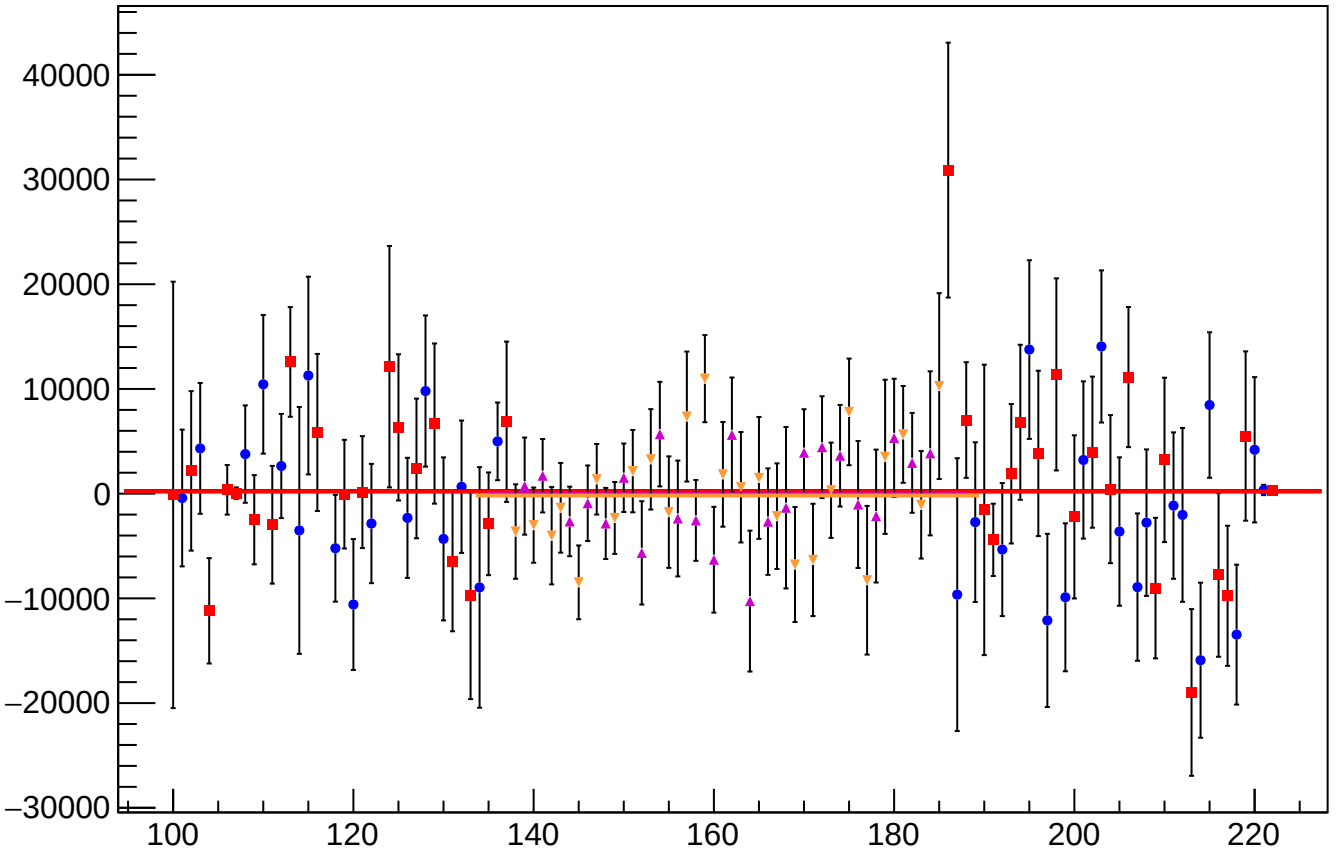
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1849.461+/-0.201 χ^2/NDF: 2283377.6/71

In: 1767.713+/-0.199 χ^2/NDF:450779.2/56

Out: 1779.957+/-0.198 χ^2/NDF:2189897.2/62

All: 1773.853+/-0.140 χ^2/NDF: 2642583.3/11



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: 205.111+/-316.586 χ^2/NDF: 44.9/37

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

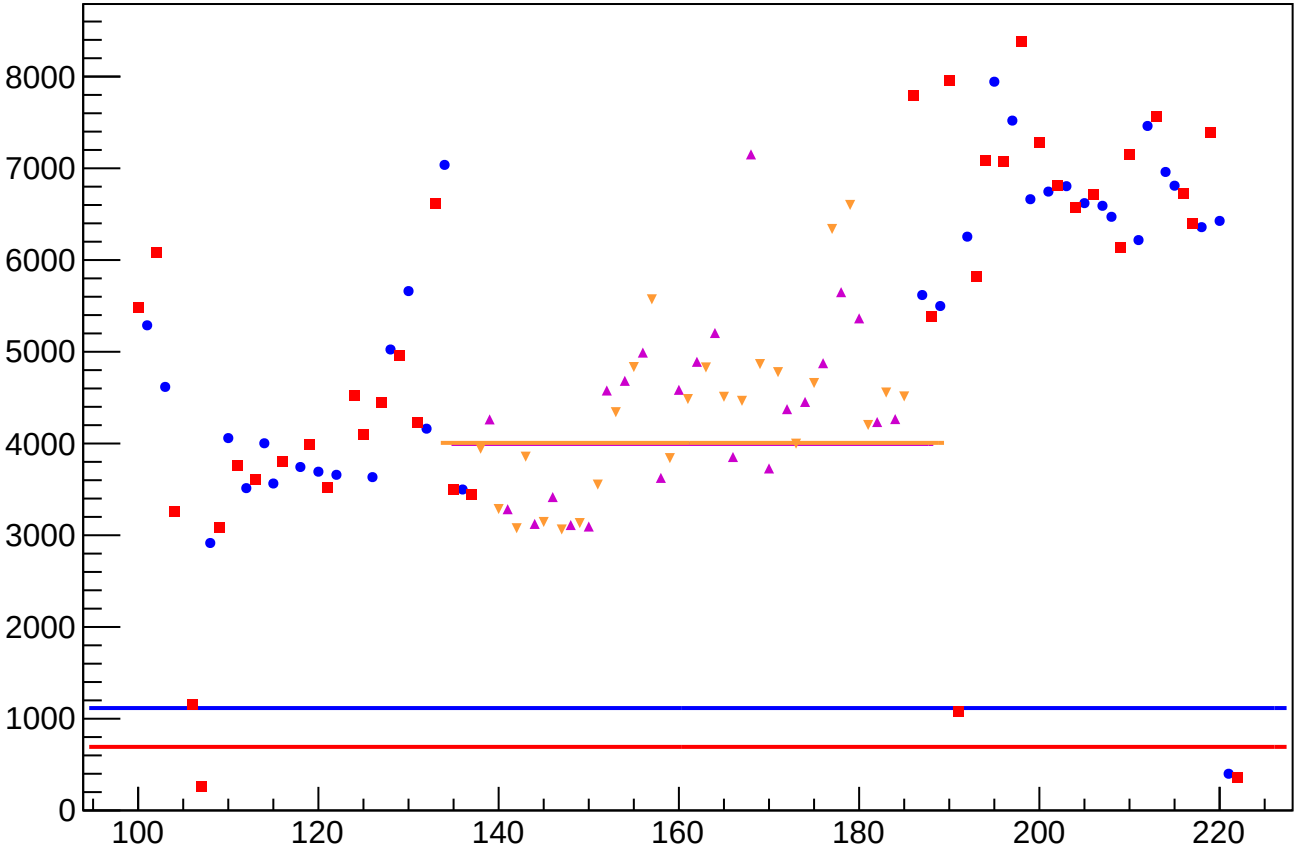
Right: 217.506+/-259.340 χ^2/NDF: 84.1/71

In: 188.123+/-408.788 χ^2/NDF:53.6/56

Out: 165.945+/-299.868 χ^2/NDF:73.0/62

All: 173.704+/-241.789 χ^2/NDF: 126.6/119

asym_atl1r2_dd_reg_correction_rms vs Slug, Sign Corrected



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: 692.991+/-0.224 χ^2/NDF: 34003008.9/37

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

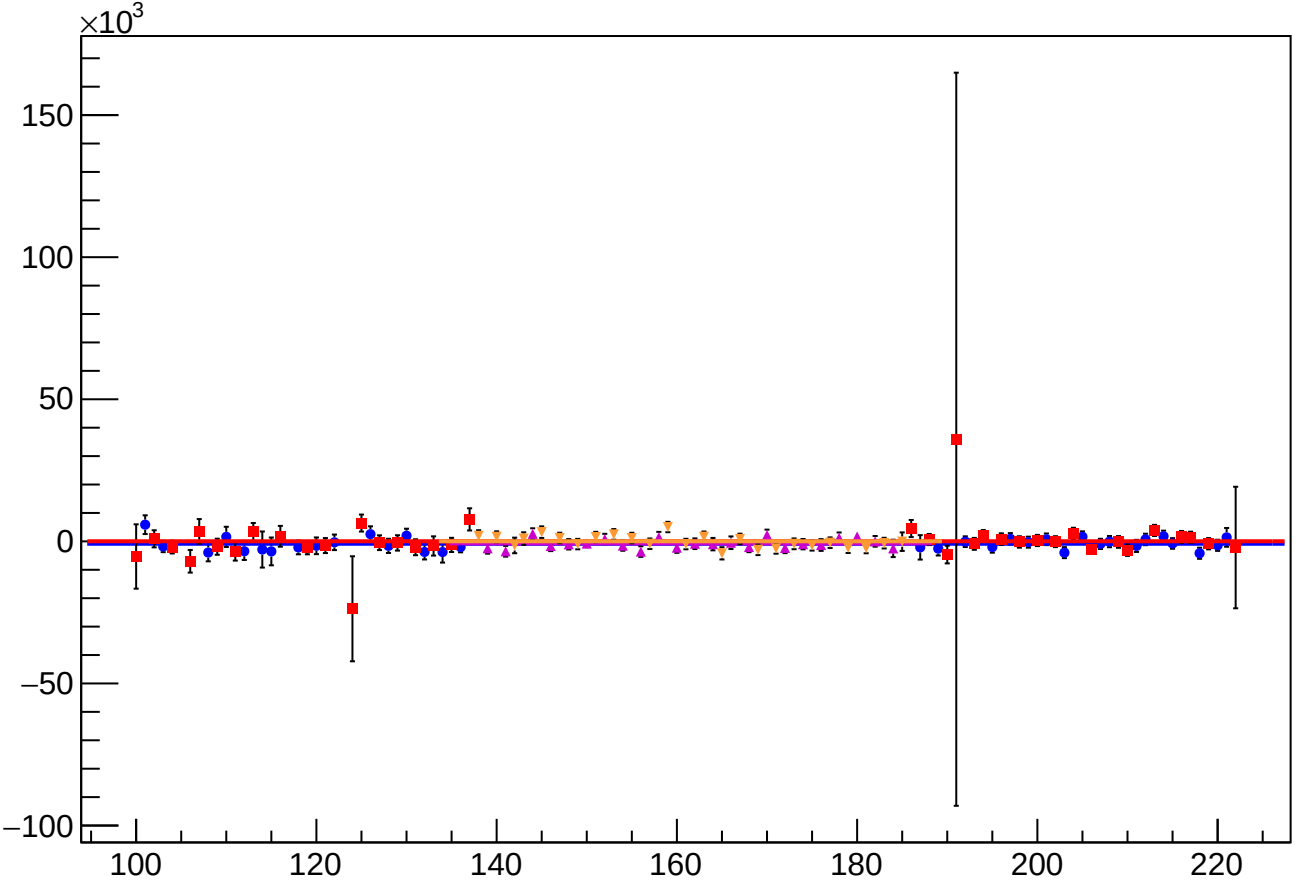
Right: 832.220+/-0.183 χ^2/NDF: 66112074.9/71

In: 1642.177+/-0.289 χ^2/NDF:47280945.5/56

Out: 1033.758+/-0.212 χ^2/NDF:58041761.9/62

All: 1246.612+/-0.171 χ^2/NDF: 108203123.2/

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: 37.775+/-405.044 χ^2/NDF: 39.1/37

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

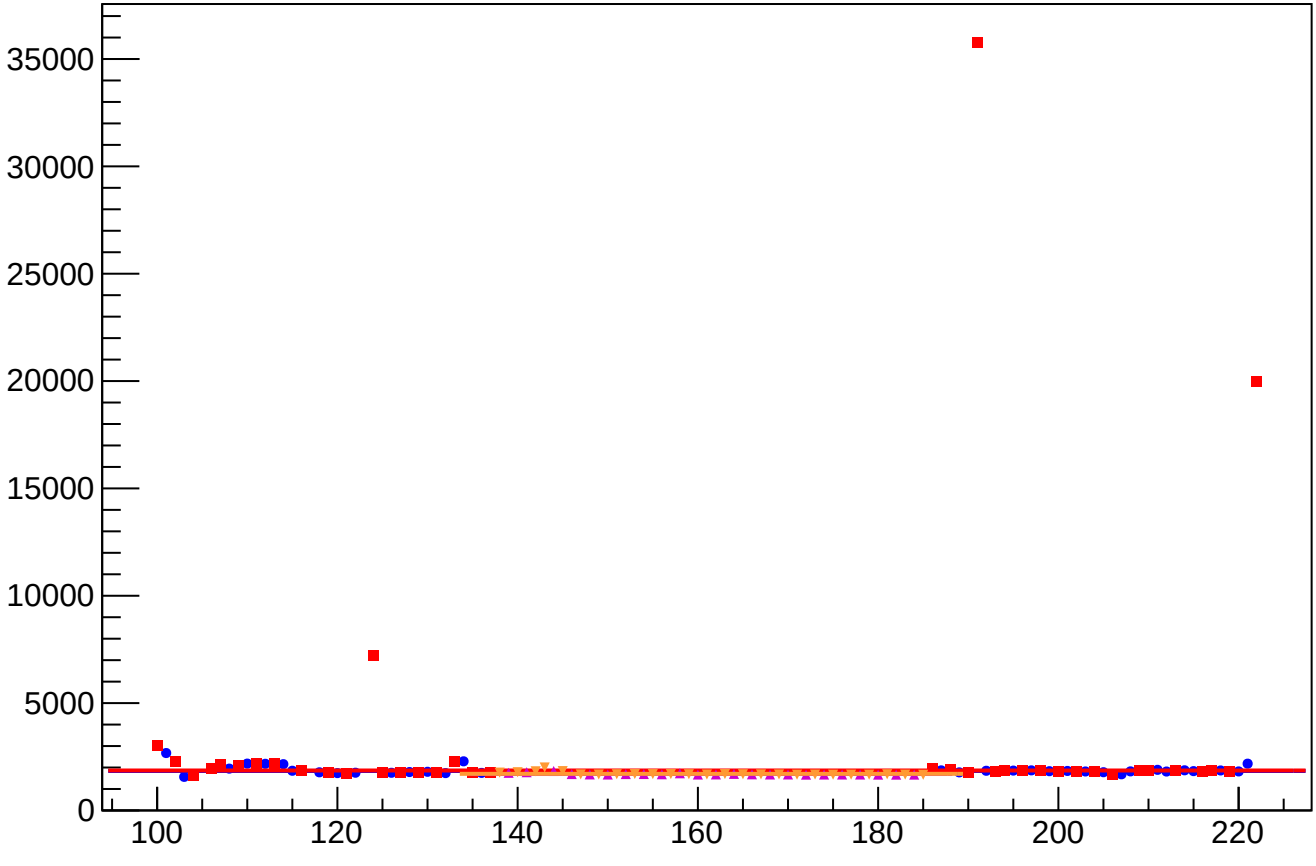
Right: -409.436+/-283.795 χ^2/NDF: 66.7/71

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 30.162+/-280.088 χ^2/NDF:68.6/62

All: -373.822+/-198.300 χ^2/NDF: 117.1/119

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: 1861.088+/-0.286 χ^2/NDF: 1976733.3/37

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

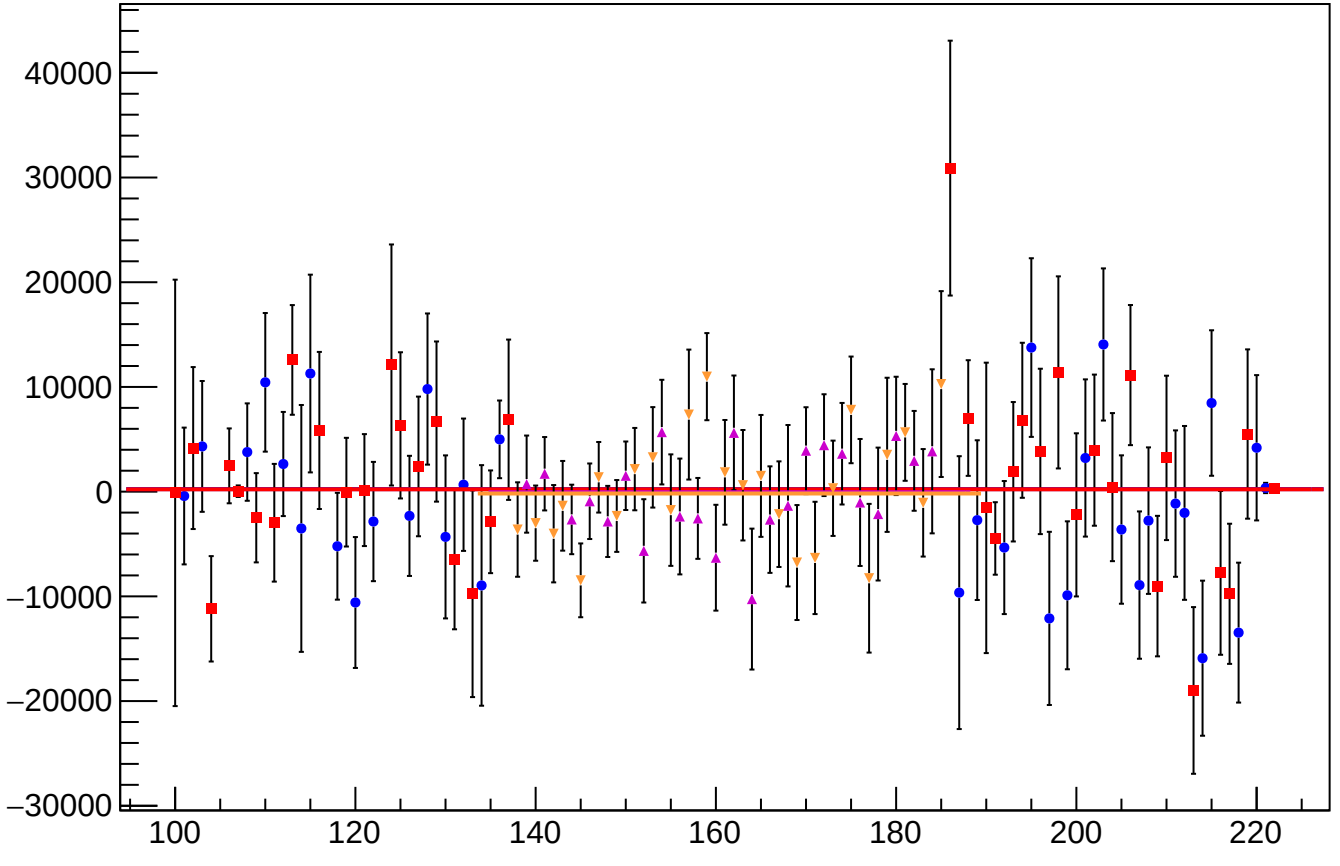
Right: 1849.532+/-0.201 χ^2/NDF: 2283742.2/71

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1780.022+/-0.198 χ^2/NDF:2190500.4/62

All: 1773.885+/-0.140 χ^2/NDF: 2643205.9/11

asym_atl1r2_dd_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: 223.916+/-318.132 χ^2/NDF: 45.5/37

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

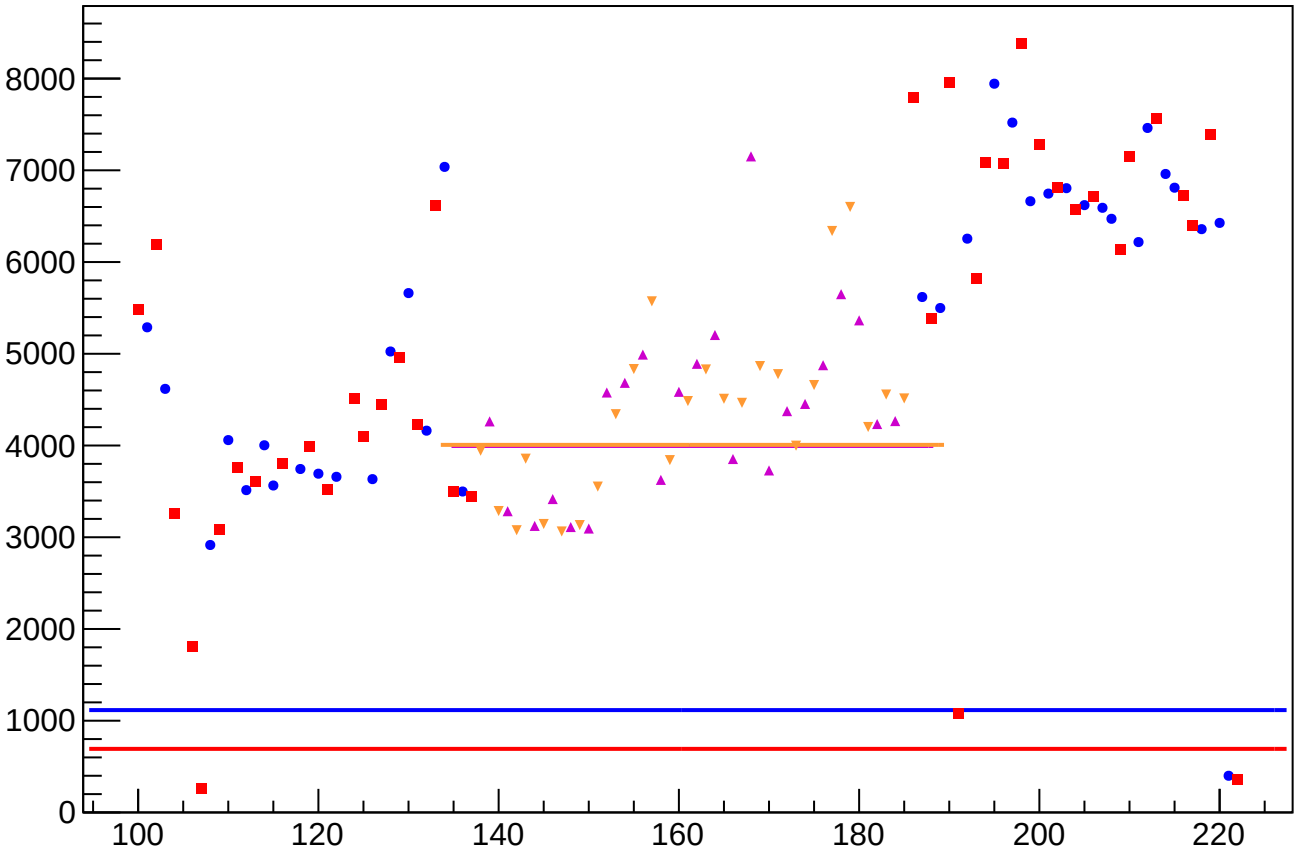
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 229.860+/-260.168 χ^2/NDF: 84.7/71

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 182.459+/-301.181 χ^2/NDF:73.6/62

All: 184.196+/-242.460 χ^2/NDF: 127.2/119



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: 693.160+/-0.225 χ^2/NDF: 34134079.0/37

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

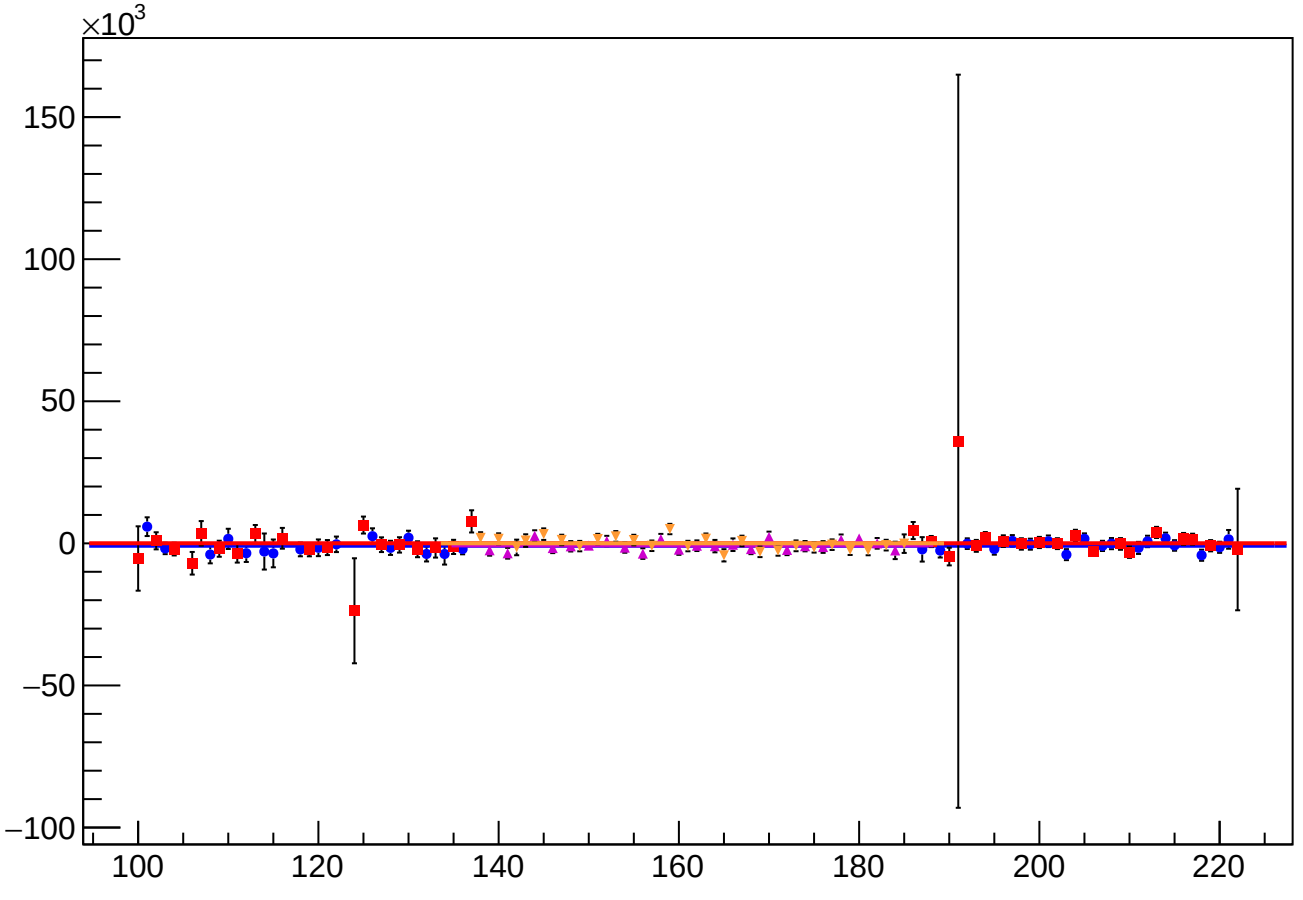
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 833.145+/-0.184 χ^2/NDF: 66240114.0/71

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 1036.901+/-0.213 χ^2/NDF:58147838.9/62

All: 1249.716+/-0.171 χ^2/NDF: 108275725.3/



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: 37.775+/-405.044 χ^2/NDF: 39.1/37

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

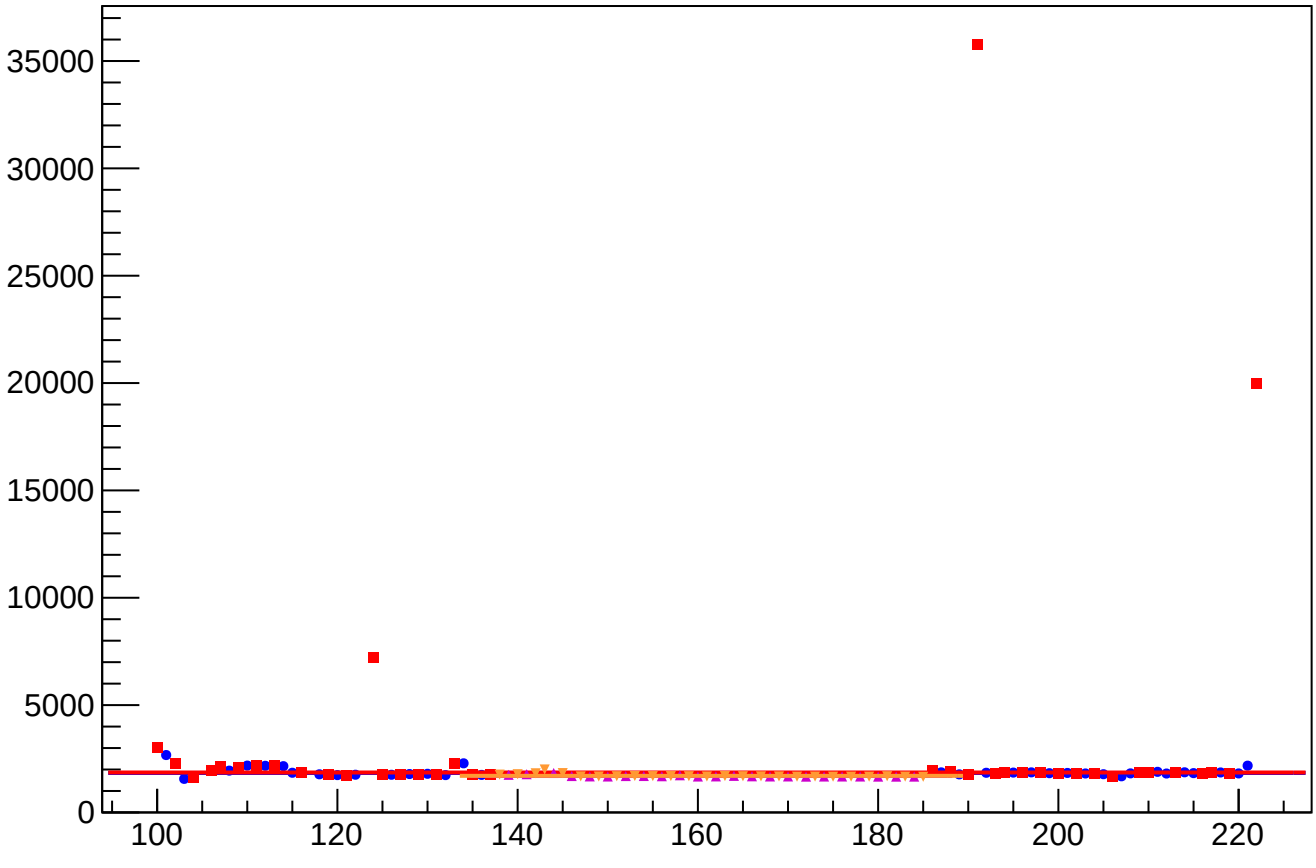
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -409.436+/-283.795 χ^2/NDF: 66.7/71

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 30.162+/-280.088 χ^2/NDF:68.6/62

All: -373.822+/-198.300 χ^2/NDF: 117.1/119



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: 1861.088+/-0.286 χ^2/NDF: 1976733.3/37

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

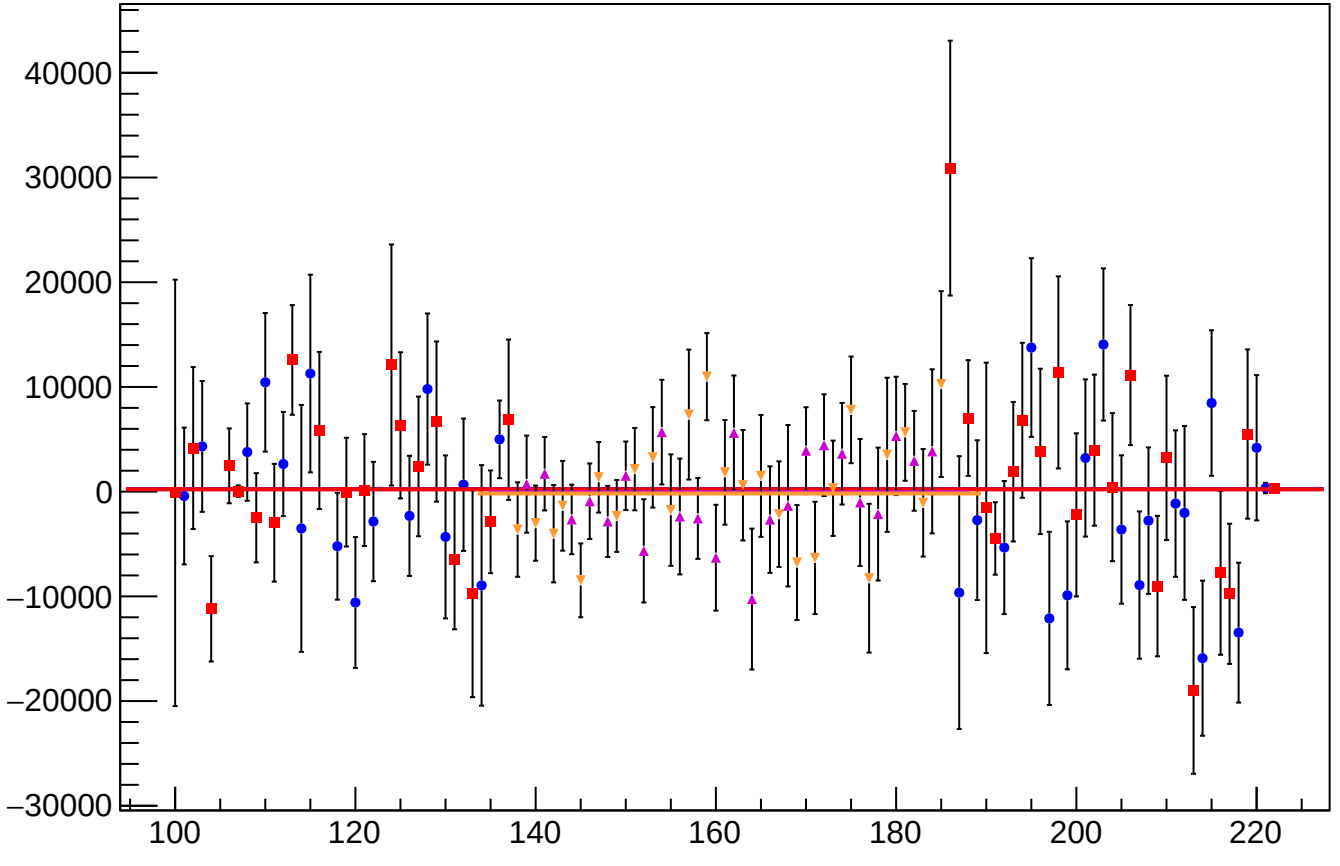
Right: 1849.532+/-0.201 χ^2/NDF: 2283742.2/71

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1780.022+/-0.198 χ^2/NDF:2190500.4/62

All: 1773.885+/-0.140 χ^2/NDF: 2643205.9/11

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: 223.916+/-318.132 χ^2/NDF: 45.5/37

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

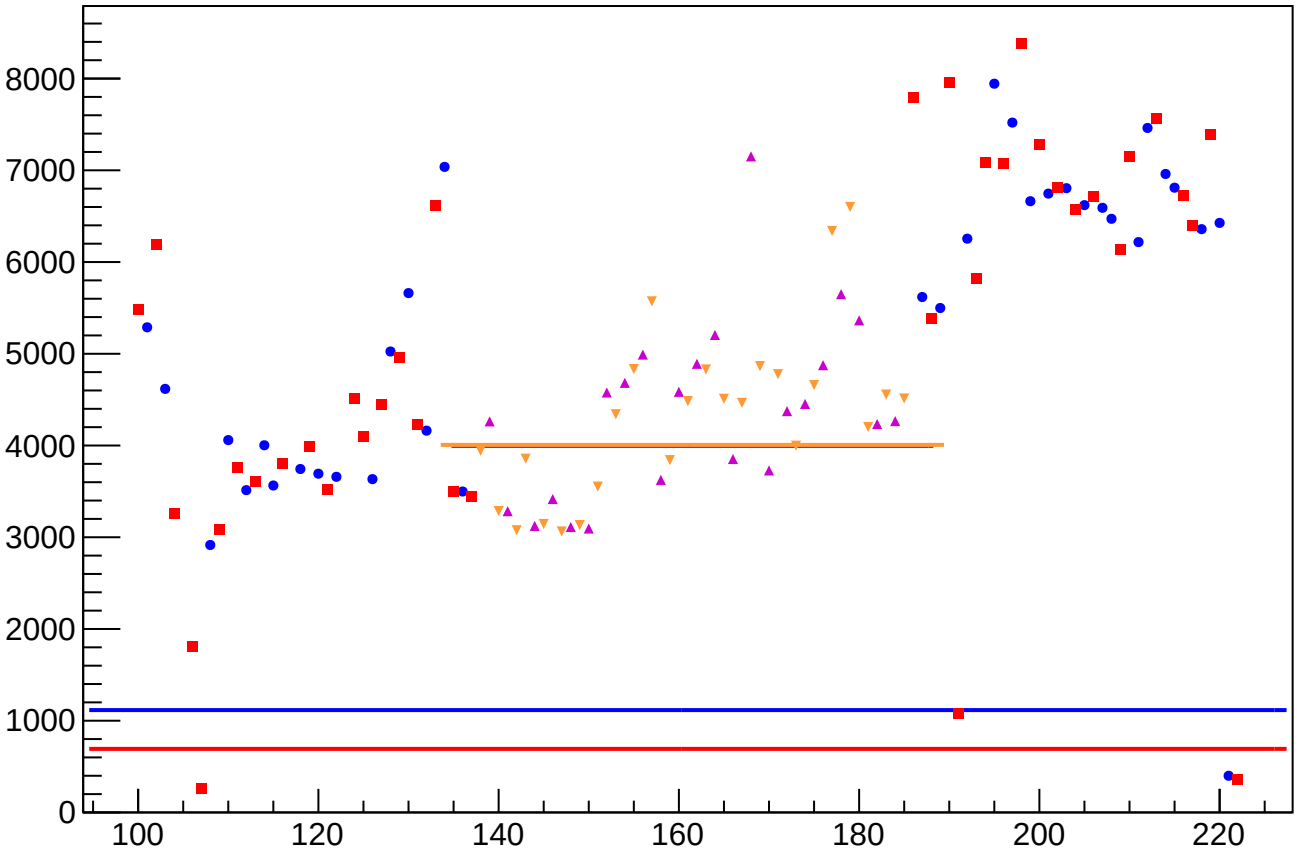
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 229.860+/-260.168 χ^2/NDF: 84.7/71

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 182.459+/-301.181 χ^2/NDF:73.6/62

All: 184.196+/-242.460 χ^2/NDF: 127.2/119



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: 693.160+/-0.225 χ^2/NDF: 34134079.0/37

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

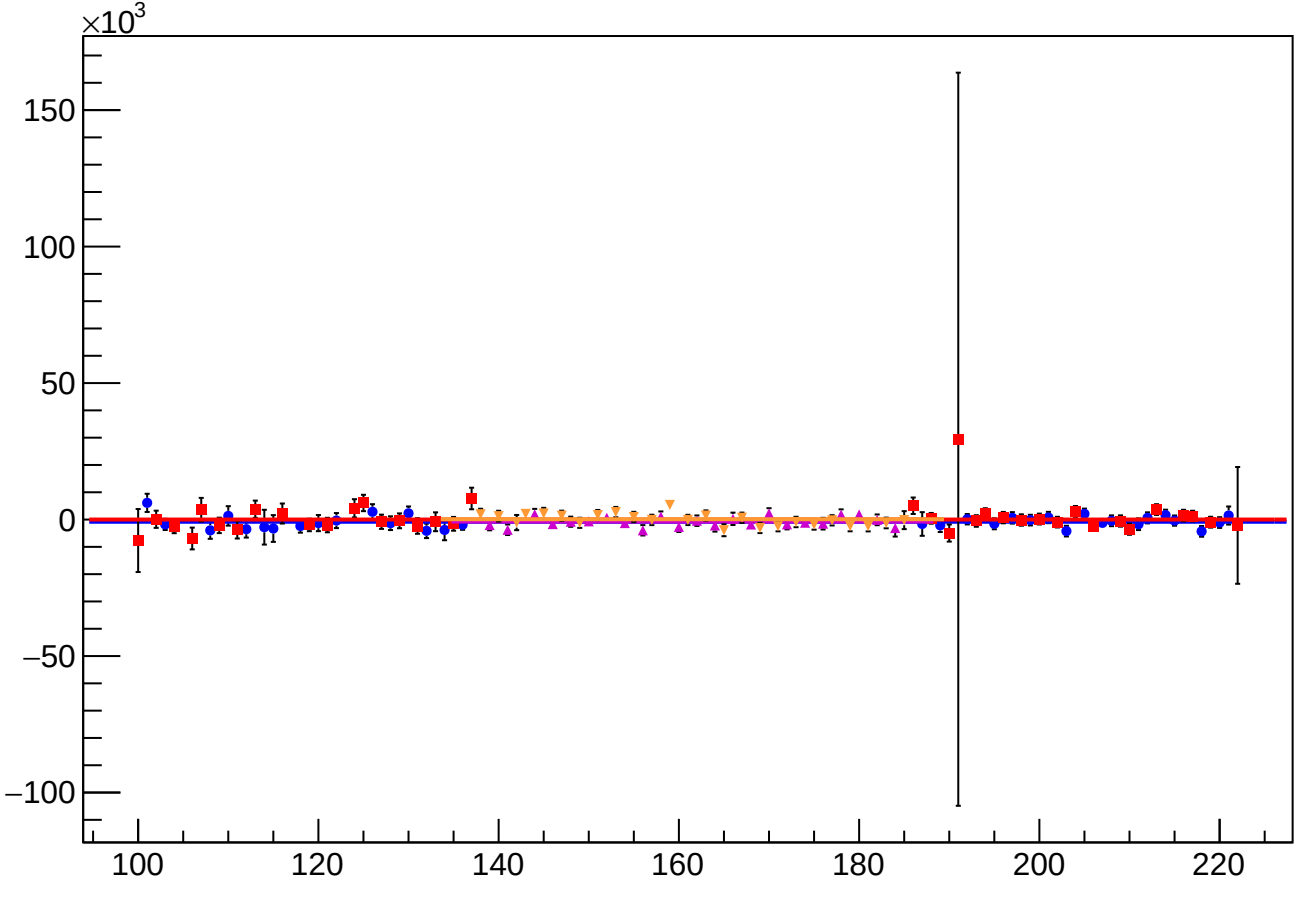
Right: 833.145+/-0.184 χ^2/NDF: 66240114.0/71

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 1036.901+/-0.213 χ^2/NDF:58147838.9/62

All: 1249.716+/-0.171 χ^2/NDF: 108275725.3/

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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: 10.844+/-406.643 χ^2/NDF: 40.5/37

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

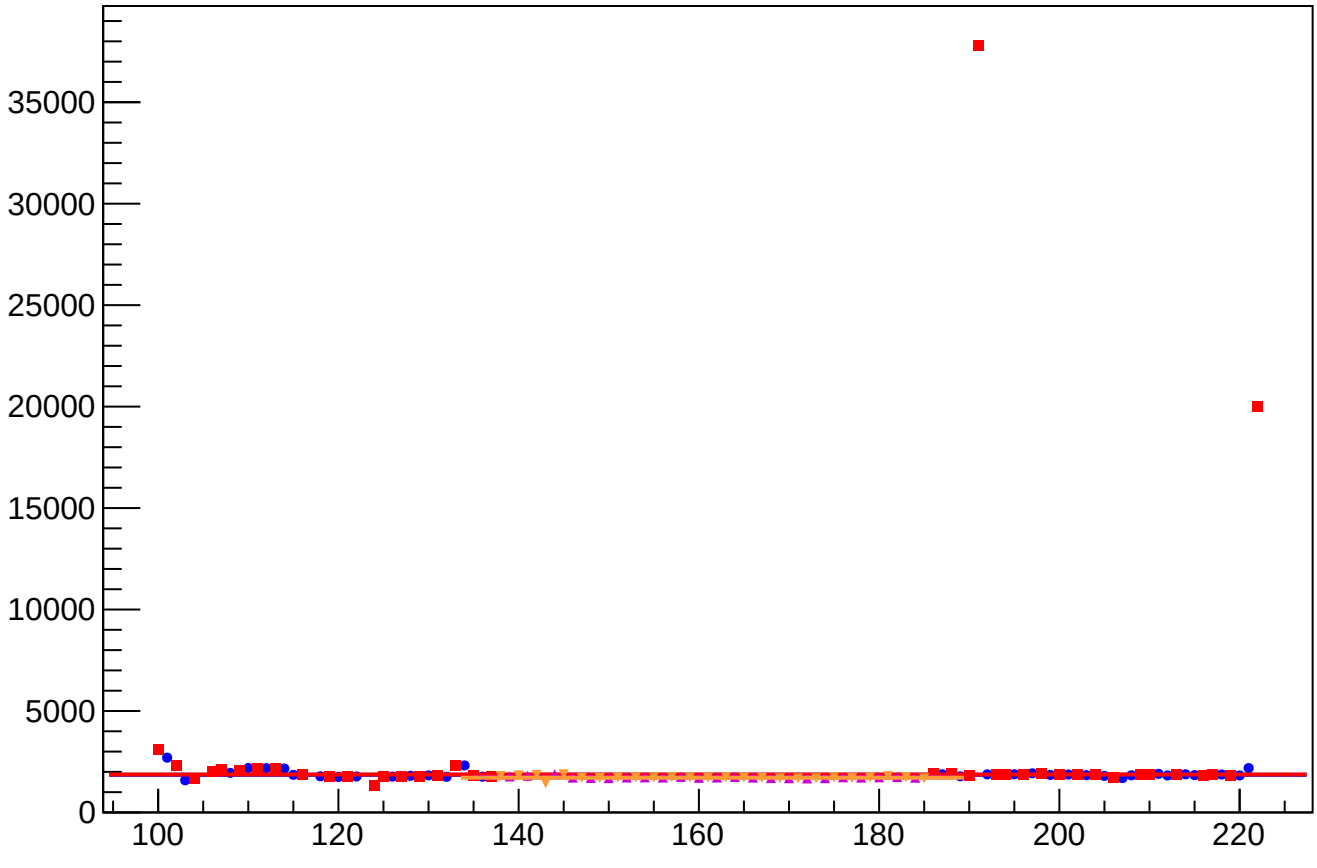
Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

Right: -400.602+/-285.657 χ^2/NDF: 69.0/71

In: -771.525+/-284.792 χ^2/NDF:45.5/56

Out: 67.756+/-281.268 χ^2/NDF:70.2/62

All: -346.659+/-200.121 χ^2/NDF: 120.1/119



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: 1869.800+/-0.287 χ^2/NDF: 1869894.4/37

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

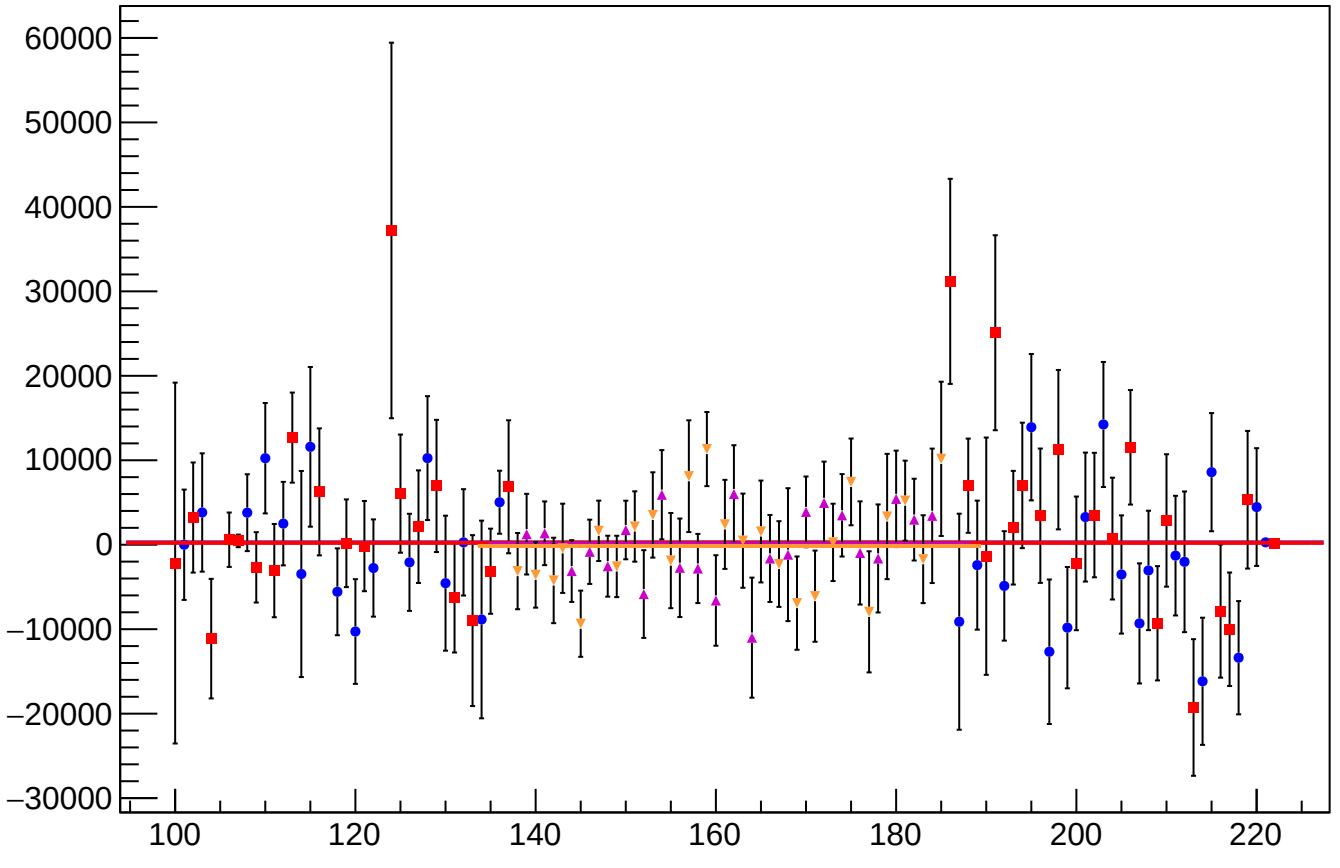
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1862.295+/-0.202 χ^2/NDF: 2173314.1/71

In: 1793.093+/-0.201 χ^2/NDF:420911.2/56

Out: 1787.679+/-0.199 χ^2/NDF:2120807.5/62

All: 1790.352+/-0.141 χ^2/NDF: 2542084.7/11



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: 230.057+/-168.113 χ^2/NDF: 46.9/37

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

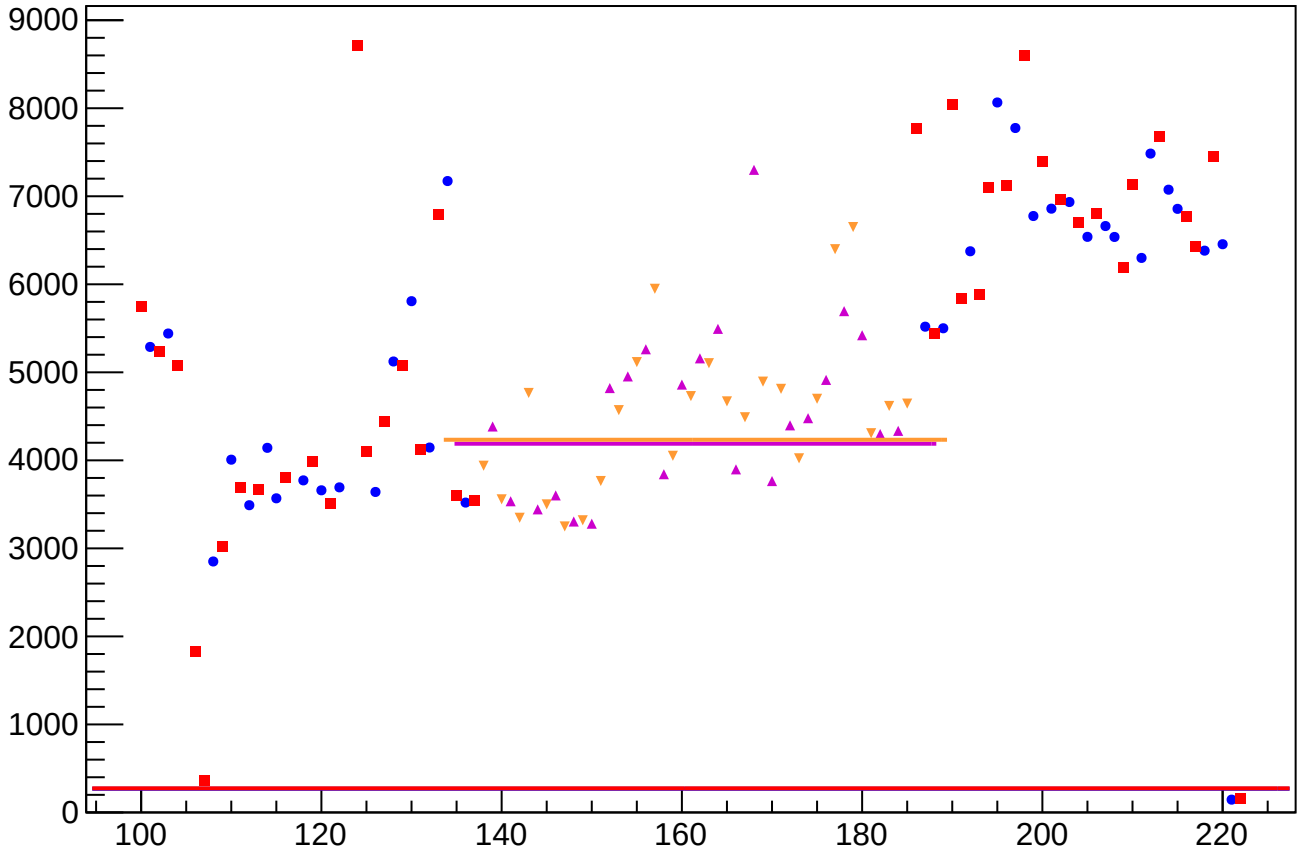
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 247.519+/-124.060 χ^2/NDF: 85.9/71

In: 261.756+/-180.805 χ^2/NDF:52.9/56

Out: 219.295+/-165.717 χ^2/NDF:74.0/62

All: 238.680+/-122.166 χ^2/NDF: 126.9/119



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: 273.947+/-0.119 χ^2/NDF: 39122805.7/37

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

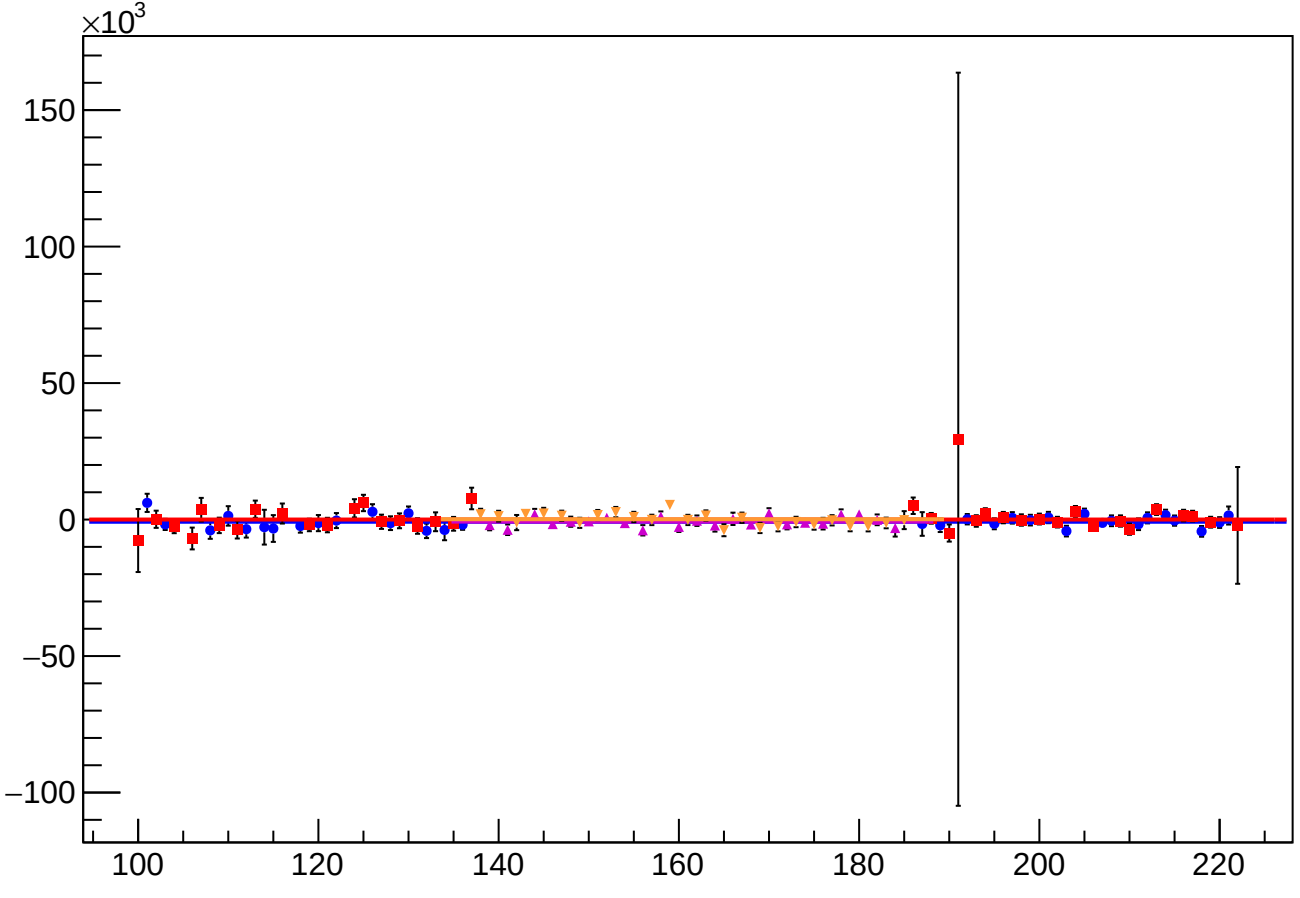
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 271.802+/-0.088 χ^2/NDF: 77954599.0/71

In: 397.344+/-0.128 χ^2/NDF:69892205.6/56

Out: 386.037+/-0.117 χ^2/NDF:71818628.6/62

All: 391.199+/-0.086 χ^2/NDF: 141715085.0/



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: 10.843+/-406.643 χ^2/NDF: 40.5/37

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

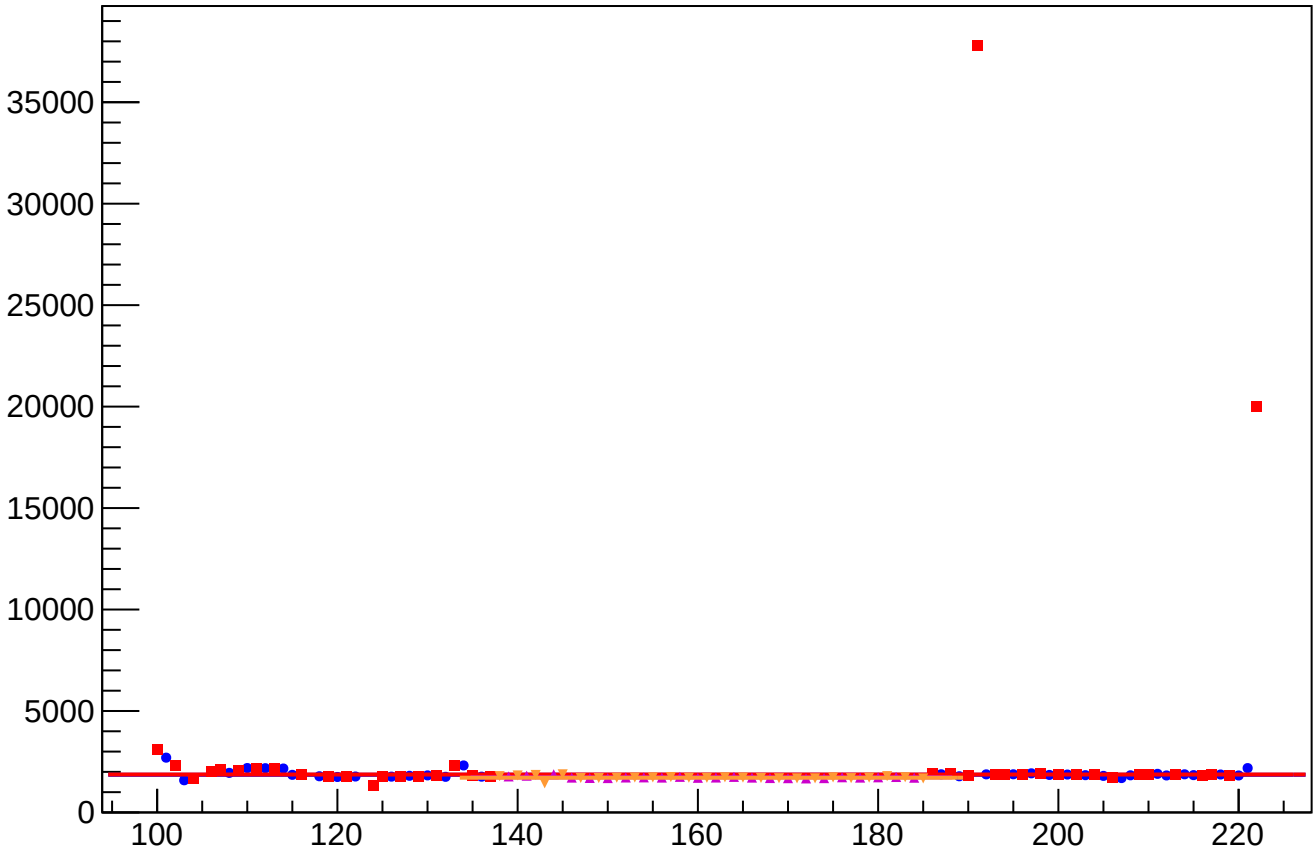
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -400.600+/-285.657 χ^2/NDF: 69.0/71

In: -771.522+/-284.792 χ^2/NDF:45.5/56

Out: 67.757+/-281.268 χ^2/NDF:70.2/62

All: -346.657+/-200.121 χ^2/NDF: 120.1/119



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: 1869.800+/-0.287 χ^2/NDF: 1869894.6/37

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

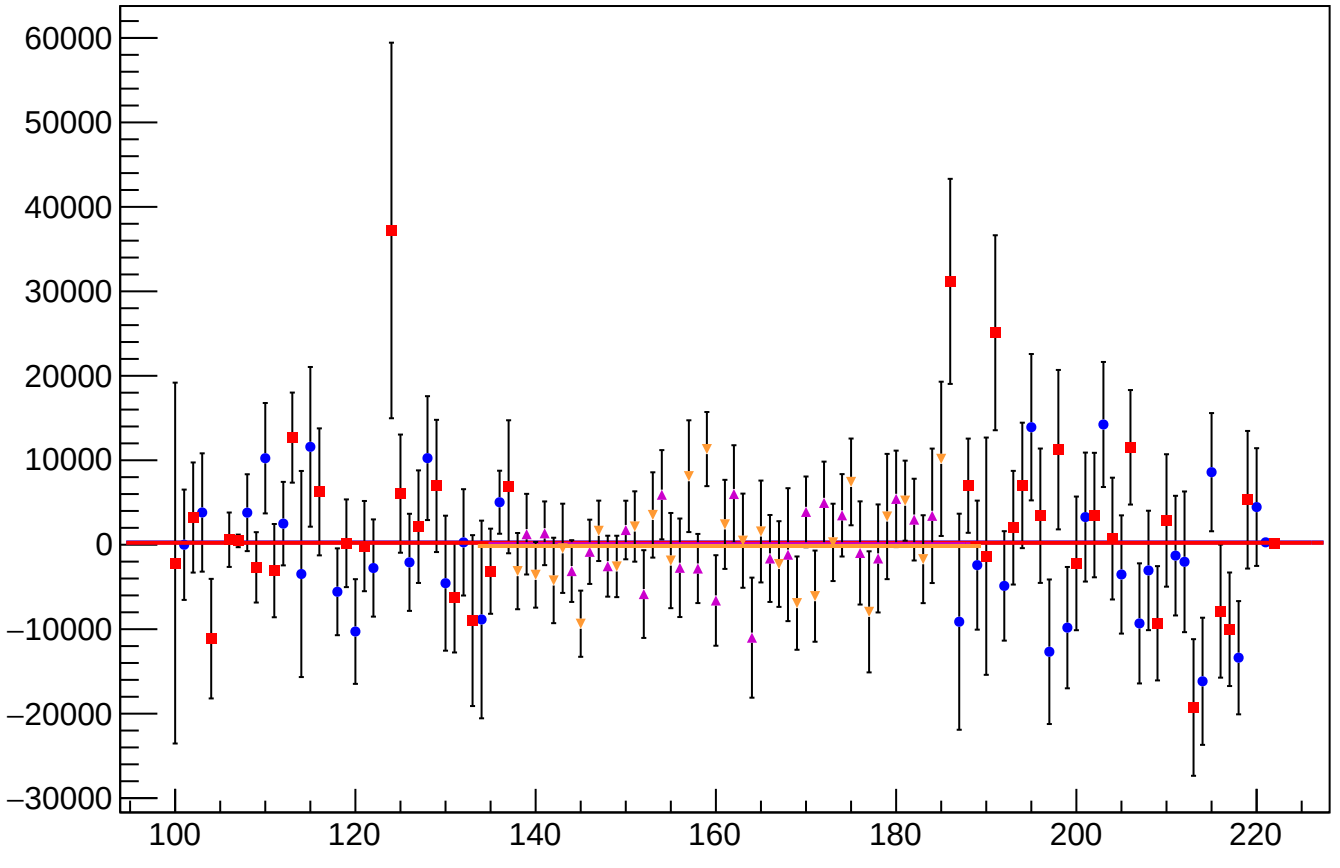
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1862.295+/-0.202 χ^2/NDF: 2173314.3/71

In: 1793.093+/-0.201 χ^2/NDF:420910.2/56

Out: 1787.679+/-0.199 χ^2/NDF:2120805.8/62

All: 1790.352+/-0.141 χ^2/NDF: 2542082.0/11



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: 230.063+/-168.114 χ^2/NDF: 46.9/37

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

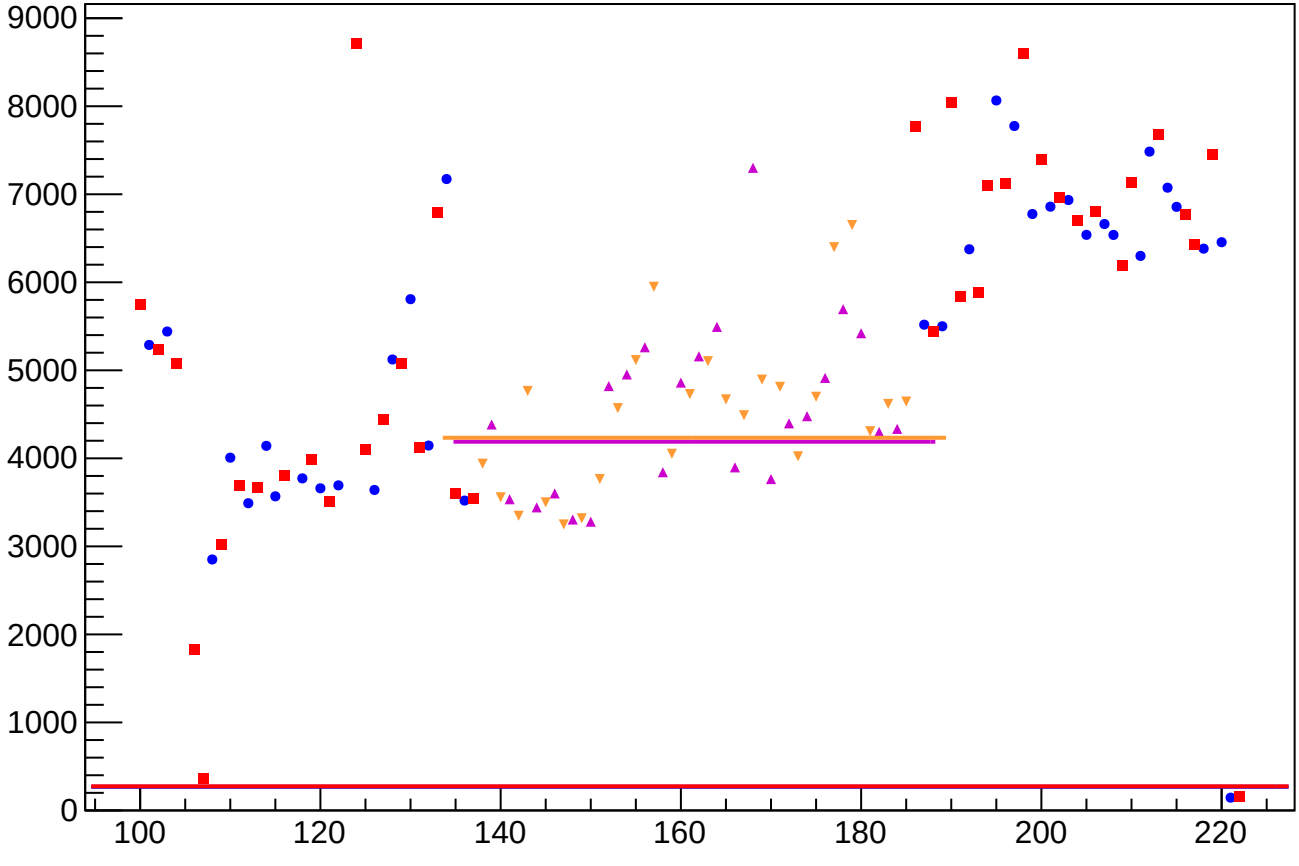
Right: 247.524+/-124.062 χ^2/NDF: 85.9/71

In: 261.761+/-180.808 χ^2/NDF:52.9/56

Out: 219.300+/-165.718 χ^2/NDF:74.0/62

All: 238.685+/-122.167 χ^2/NDF: 126.9/119

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: 273.951+/-0.119 χ^2/NDF: 39122765.2/37

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

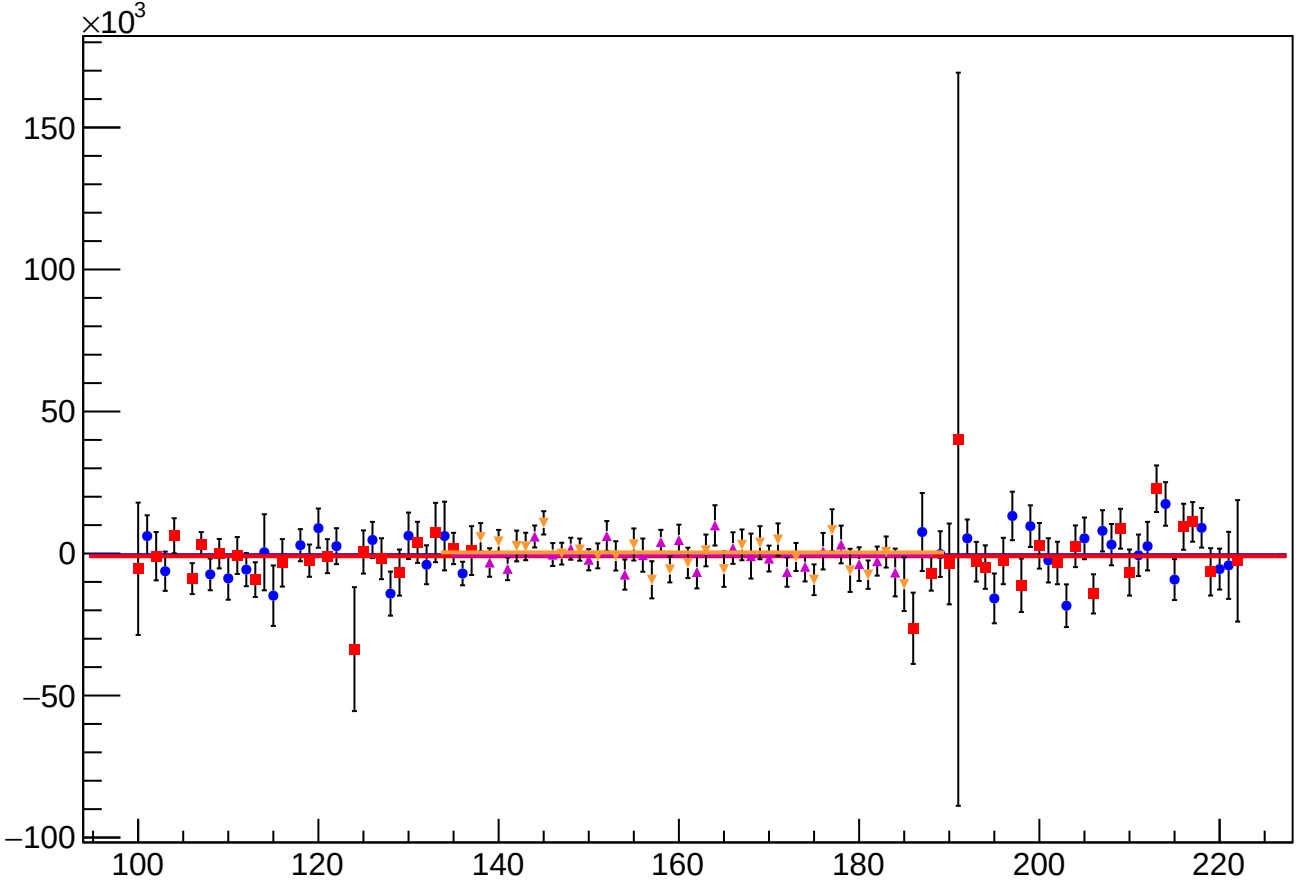
Right: 271.807+/-0.088 χ^2/NDF: 77954490.2/71

In: 397.354+/-0.128 χ^2/NDF:69892015.8/56

Out: 386.042+/-0.117 χ^2/NDF:71818520.2/62

All: 391.206+/-0.086 χ^2/NDF: 141714790.3/

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: -951.616+/-1197.218 χ^2/NDF: 37.6/37

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

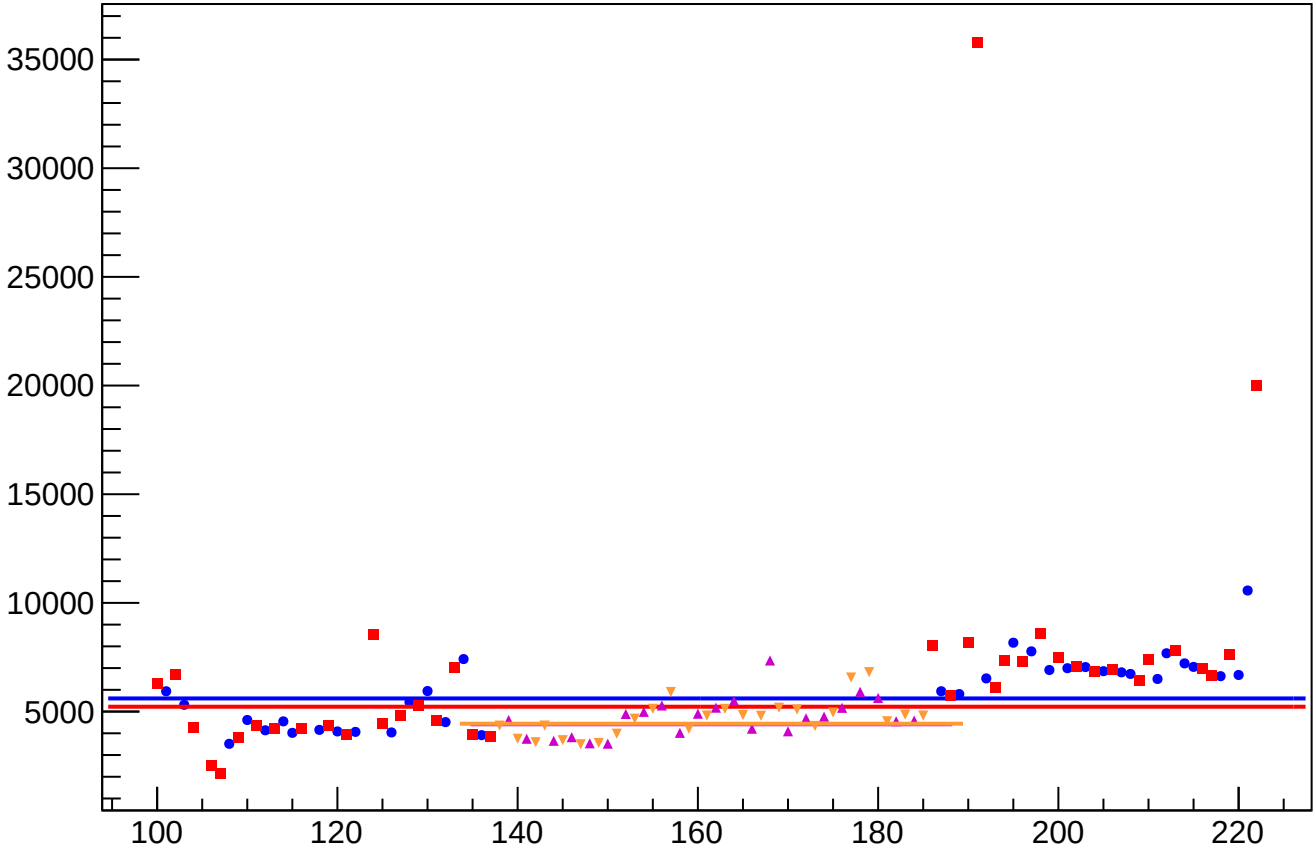
Right: -773.652+/-862.188 χ^2/NDF: 80.6/71

In: -535.859+/-801.893 χ^2/NDF:60.2/56

Out: -174.849+/-780.120 χ^2/NDF:63.1/62

All: -350.386+/-559.167 χ^2/NDF: 123.4/119

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: 5222.221+/-0.842 χ^2/NDF: 5537266.0/37

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

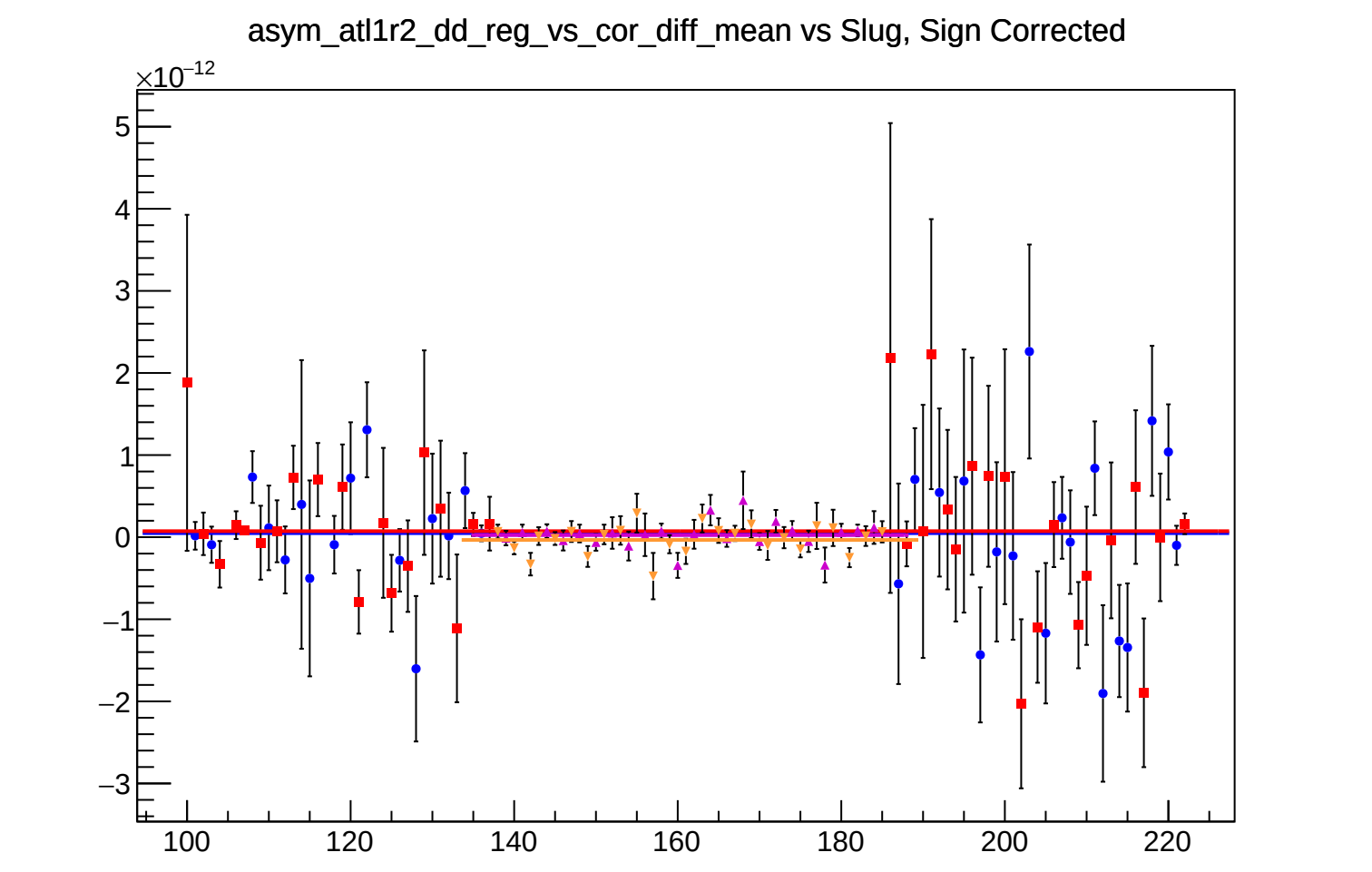
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5404.663+/-0.608 χ^2/NDF: 8499164.2/71

In: 4910.142+/-0.567 χ^2/NDF:5042197.6/56

Out: 4774.886+/-0.550 χ^2/NDF:7104018.1/62

All: 4840.480+/-0.395 χ^2/NDF: 12175521.4/



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.6/37

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

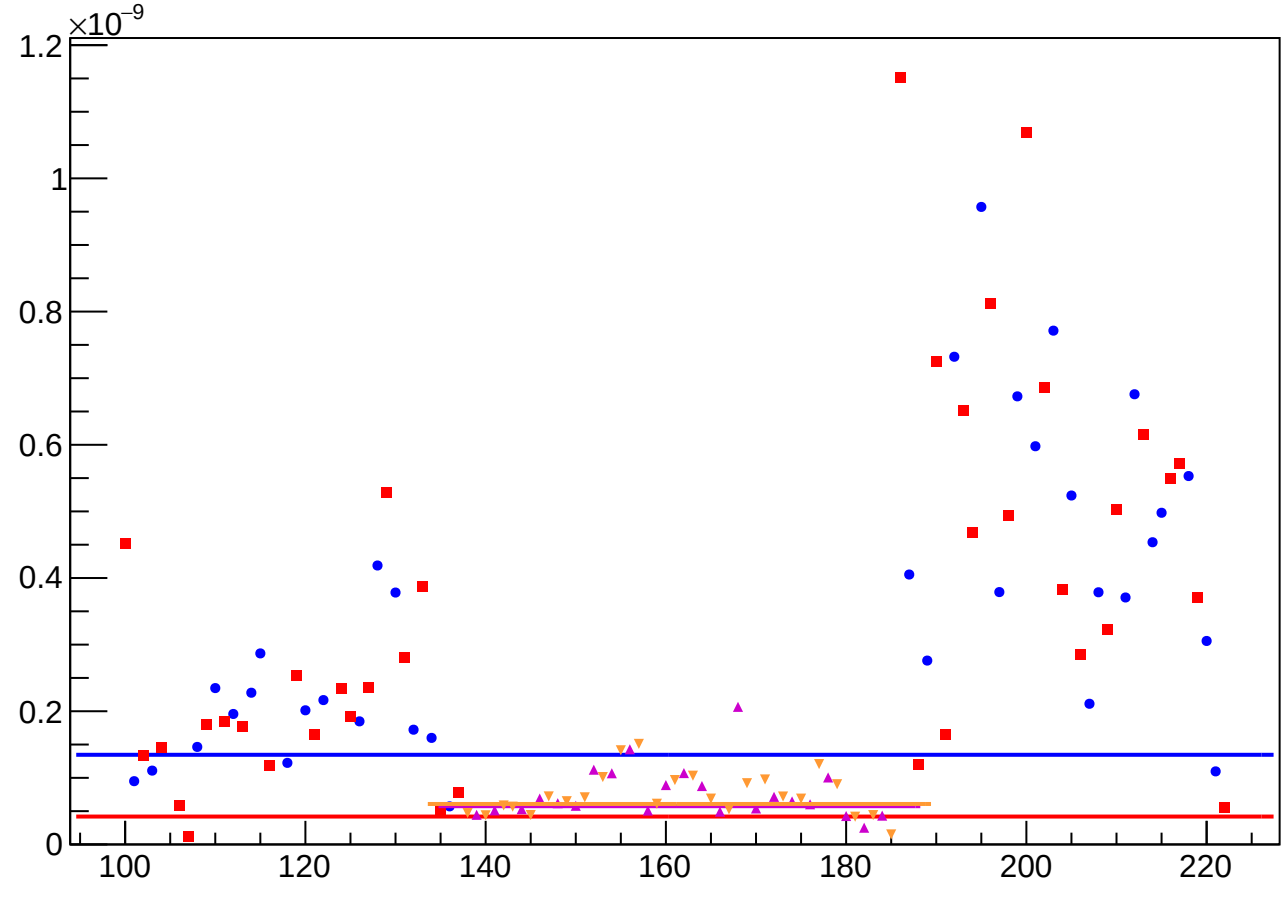
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 87.1/71

In: 0.000+/-0.000 χ^2/NDF:64.7/56

Out: 0.000+/-0.000 χ^2/NDF:77.3/62

All: 0.000+/-0.000 χ^2/NDF: 142.5/119



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: 13943202.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

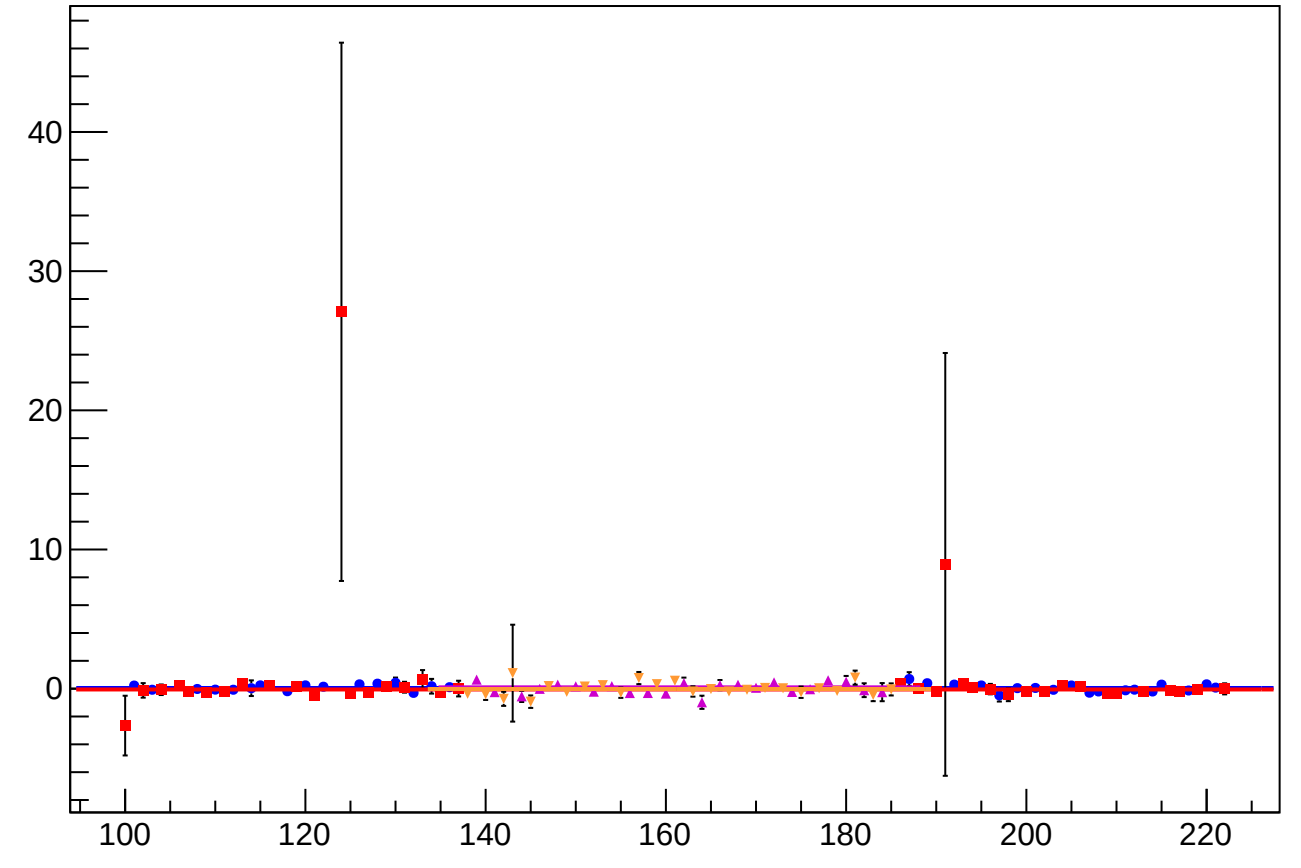
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25656998.0/71

In: 0.000+/-0.000 χ^2/NDF:12717913.4/56

Out: 0.000+/-0.000 χ^2/NDF:16110602.9/62

All: 0.000+/-0.000 χ^2/NDF: 29284564.7/119



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: 37.6/37

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

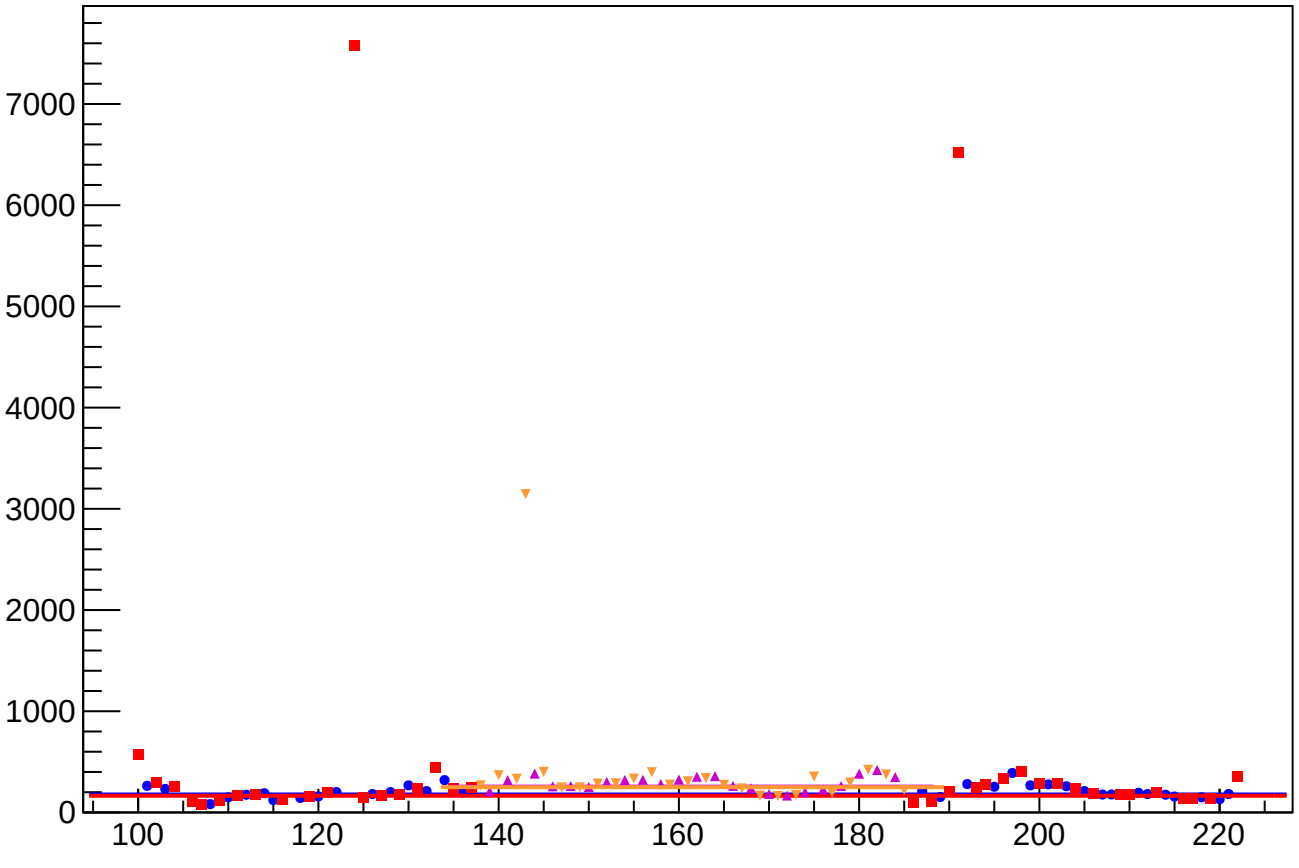
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.028 χ^2/NDF: 70.7/71

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/62

All: 0.005+/-0.024 χ^2/NDF: 128.2/119



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: 165.030+/-0.028 χ^2/NDF: 5951917.1/37

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

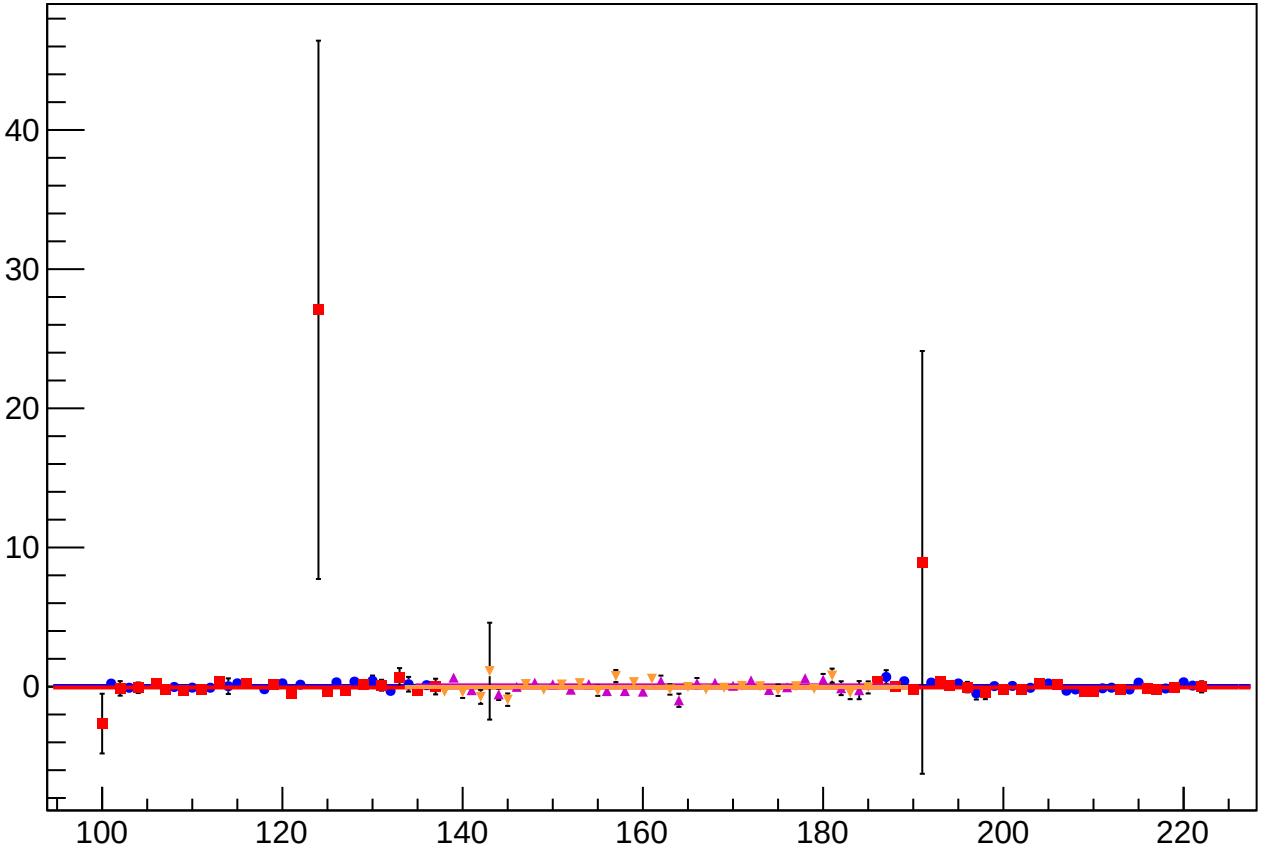
Right: 171.064+/-0.020 χ^2/NDF: 9408439.6/71

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 189.257+/-0.023 χ^2/NDF:12893518.2/62

All: 194.604+/-0.017 χ^2/NDF: 20623347.7/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/37

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

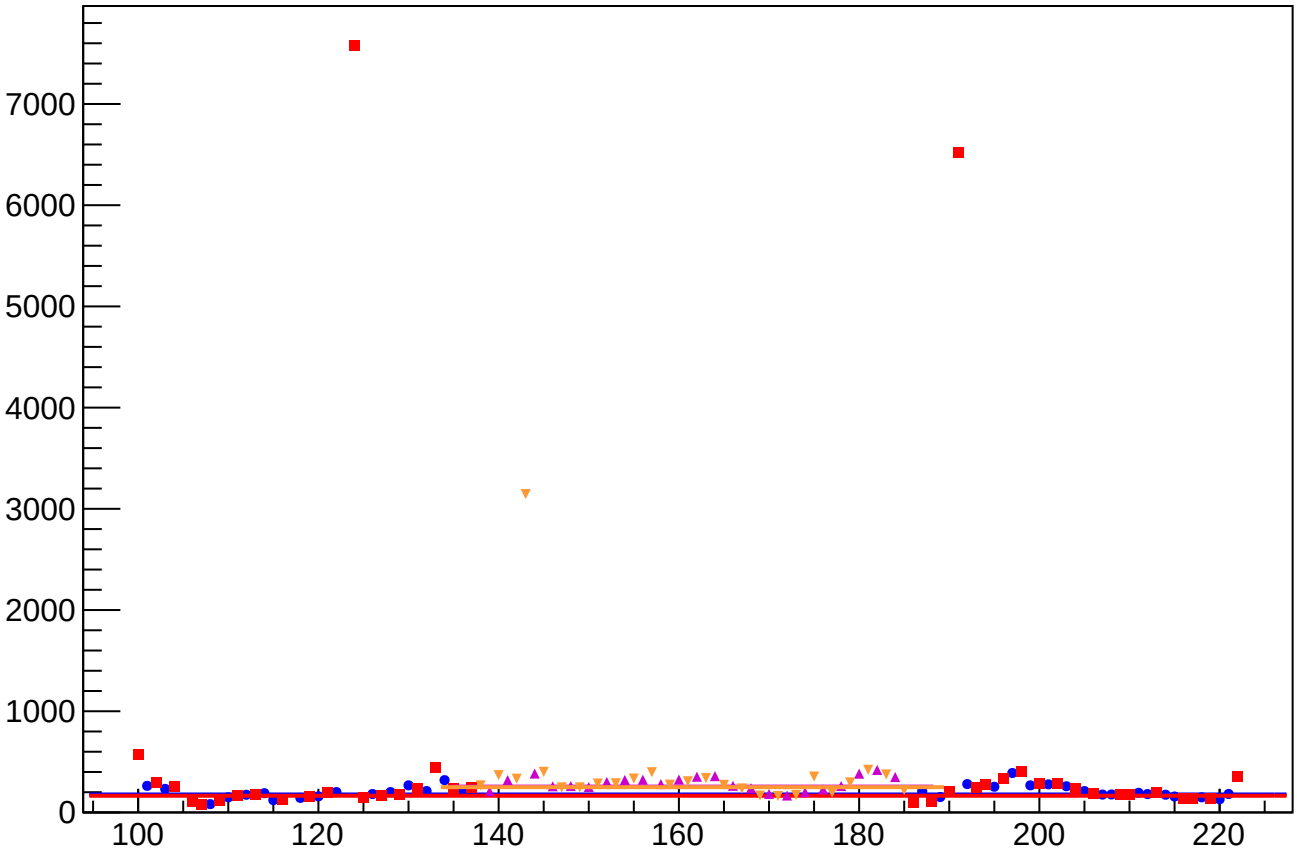
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.028 χ^2/NDF: 70.7/71

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/62

All: 0.005+/-0.024 χ^2/NDF: 128.2/119



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: 165.030+/-0.028 χ^2/NDF: 5951917.1/37

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

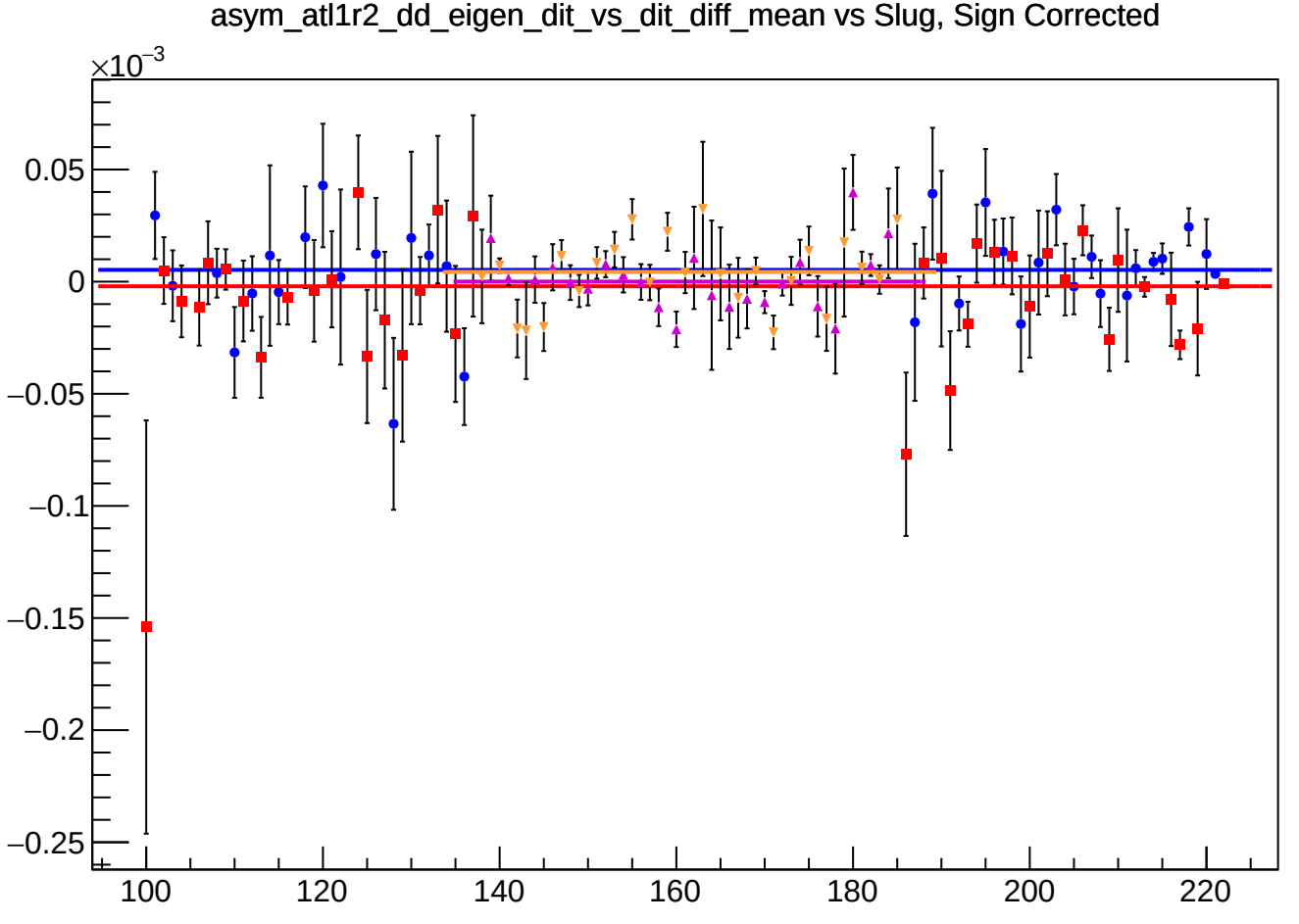
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 171.064+/-0.020 χ^2/NDF: 9408439.6/71

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 189.257+/-0.023 χ^2/NDF:12893518.2/62

All: 194.604+/-0.017 χ^2/NDF: 20623347.7/11



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: 55.8/37

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

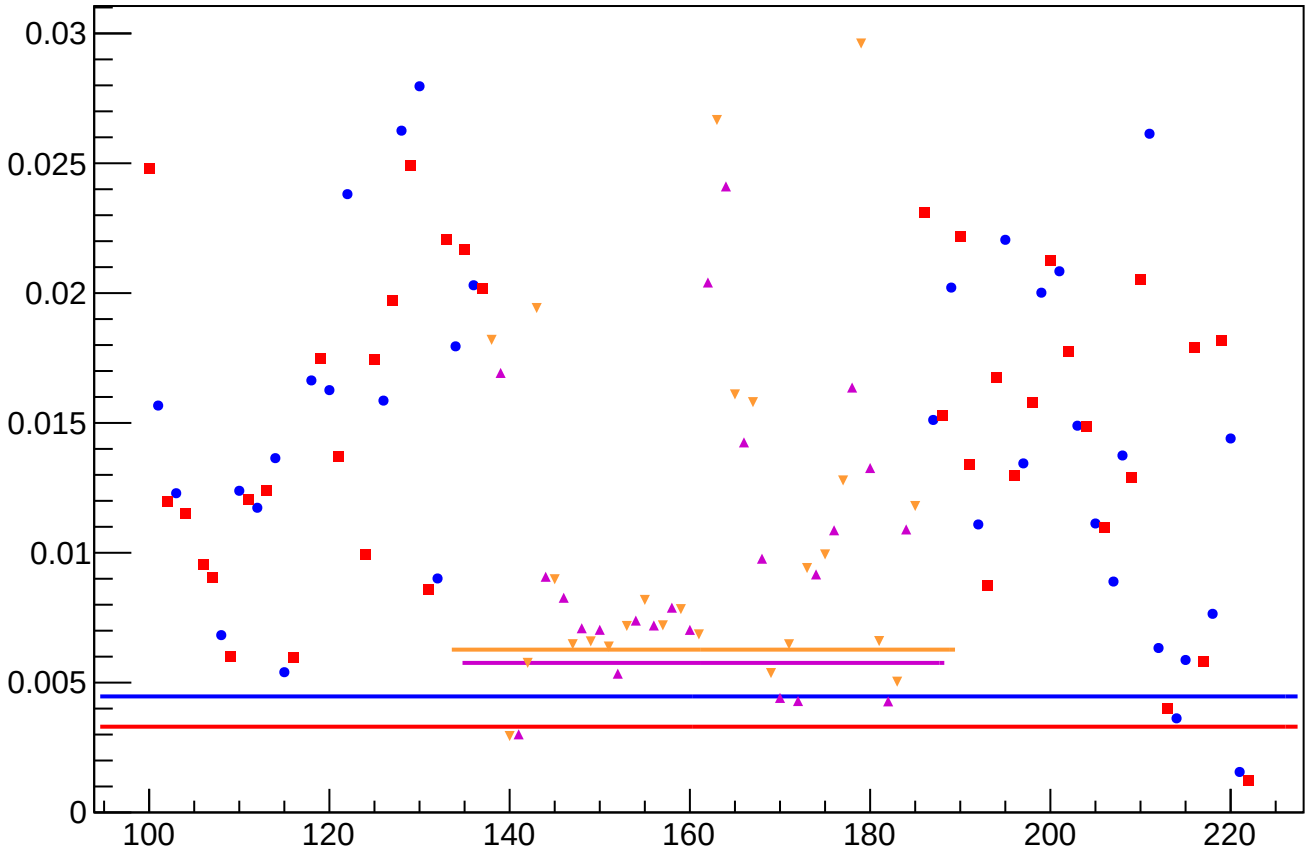
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 106.7/71

In: 0.000+/-0.000 χ^2/NDF:70.5/56

Out: 0.000+/-0.000 χ^2/NDF:111.7/62

All: 0.000+/-0.000 χ^2/NDF: 186.0/119



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: 0.003+/-0.000 χ^2/NDF: 27623563.4/37

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

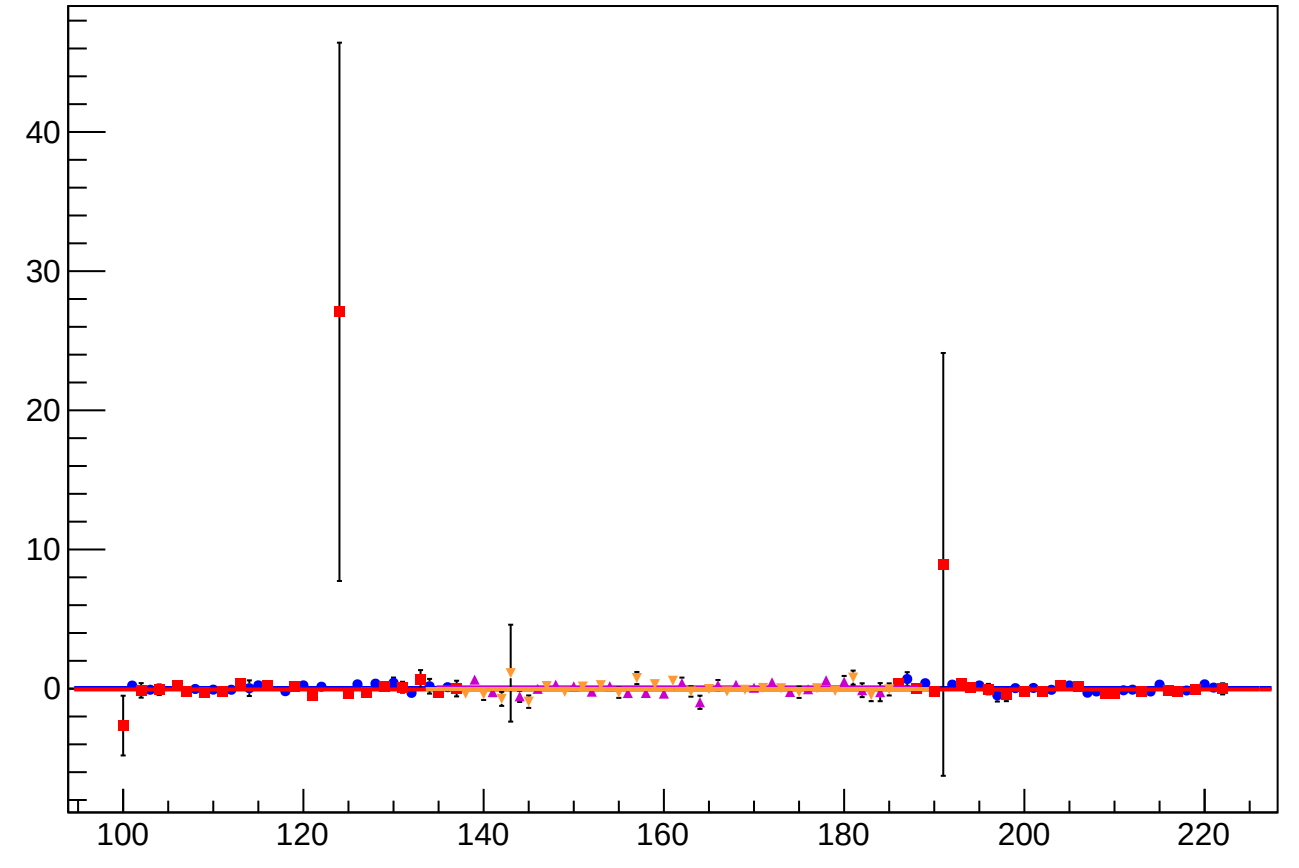
Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

Right: 0.004+/-0.000 χ^2/NDF: 50556641.7/71

In: 0.005+/-0.000 χ^2/NDF:29957610.3/56

Out: 0.004+/-0.000 χ^2/NDF:39809466.8/62

All: 0.005+/-0.000 χ^2/NDF: 70307882.7/119



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: 37.6/37

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

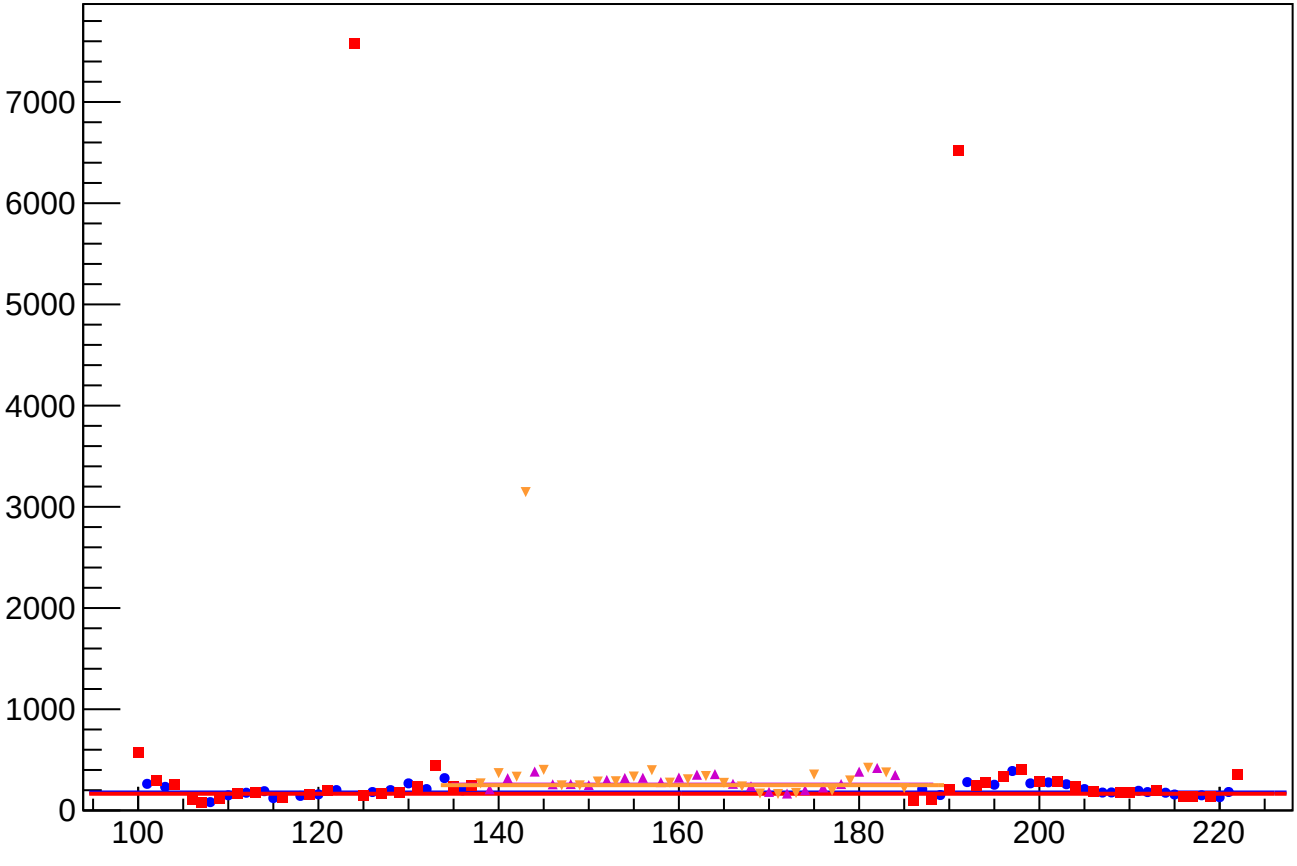
Right: -0.007+/-0.028 χ^2/NDF: 70.7/71

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/62

All: 0.005+/-0.024 χ^2/NDF: 128.2/119

asym_atl1r2_dd_eigen_dit_vs_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: 165.032+/-0.028 χ^2/NDF: 5951758.3/37

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

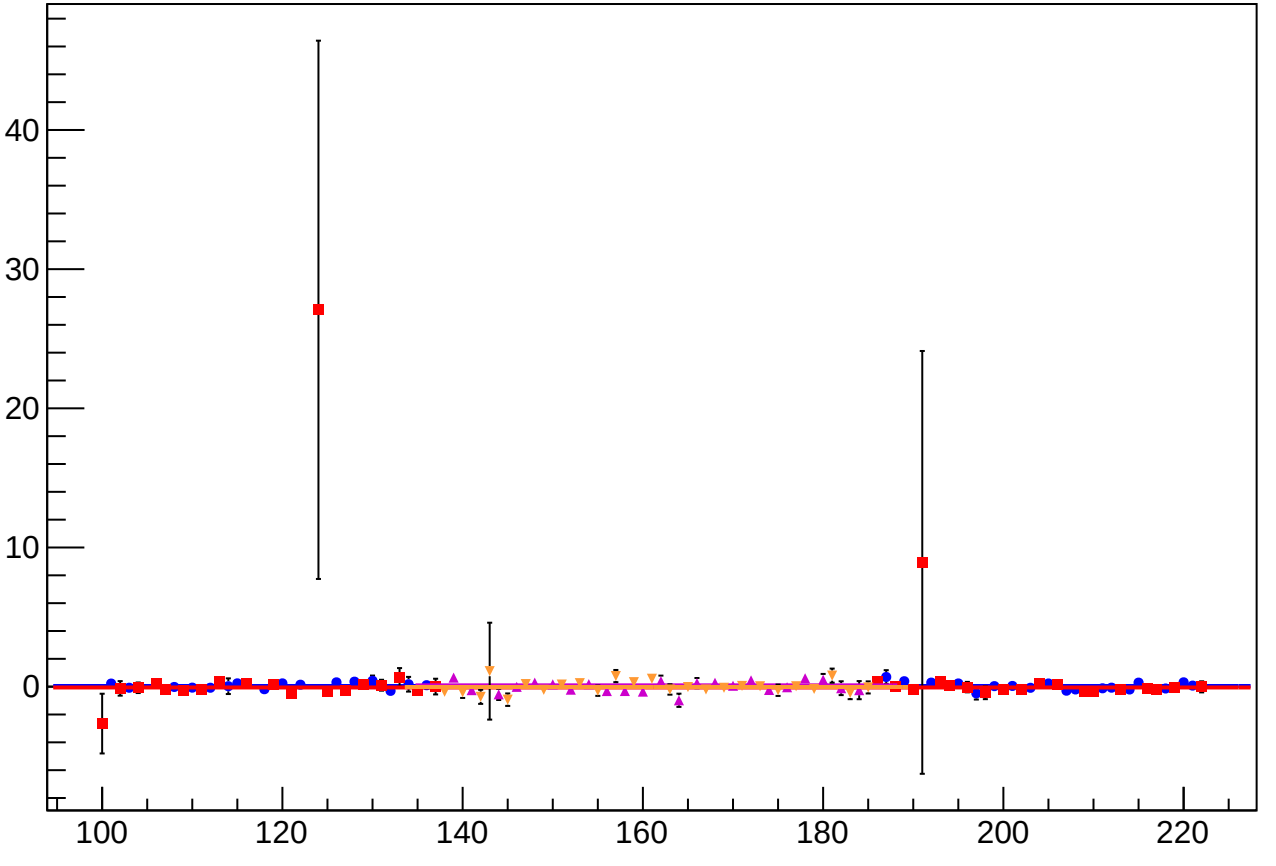
Right: 171.065+/-0.020 χ^2/NDF: 9408324.7/71

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 189.259+/-0.023 χ^2/NDF:12893374.2/62

All: 194.604+/-0.017 χ^2/NDF: 20623443.2/11

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: 37.6/37

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

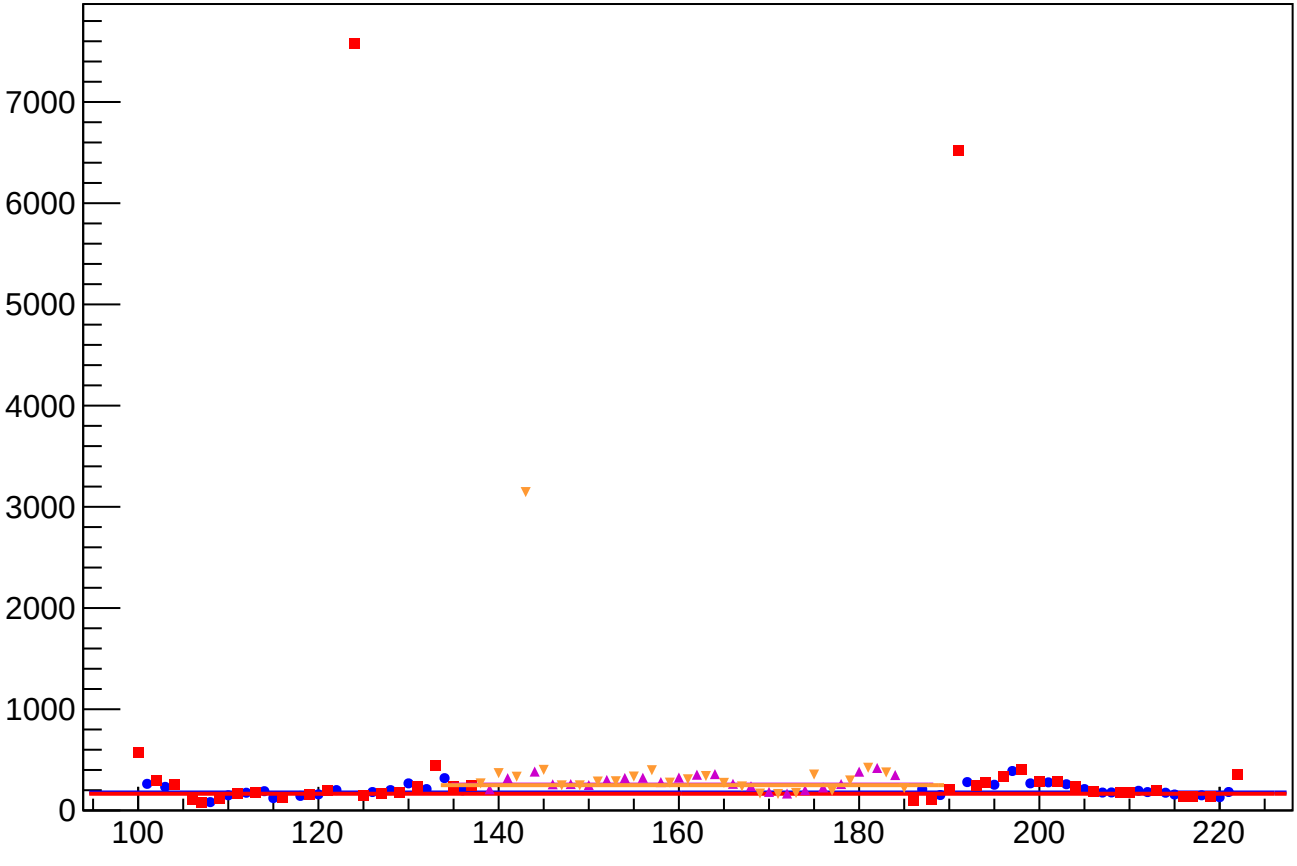
Right: -0.007+/-0.028 χ^2/NDF: 70.7/71

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/62

All: 0.005+/-0.024 χ^2/NDF: 128.2/119

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: 165.032+/-0.028 χ^2/NDF: 5951758.3/37

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

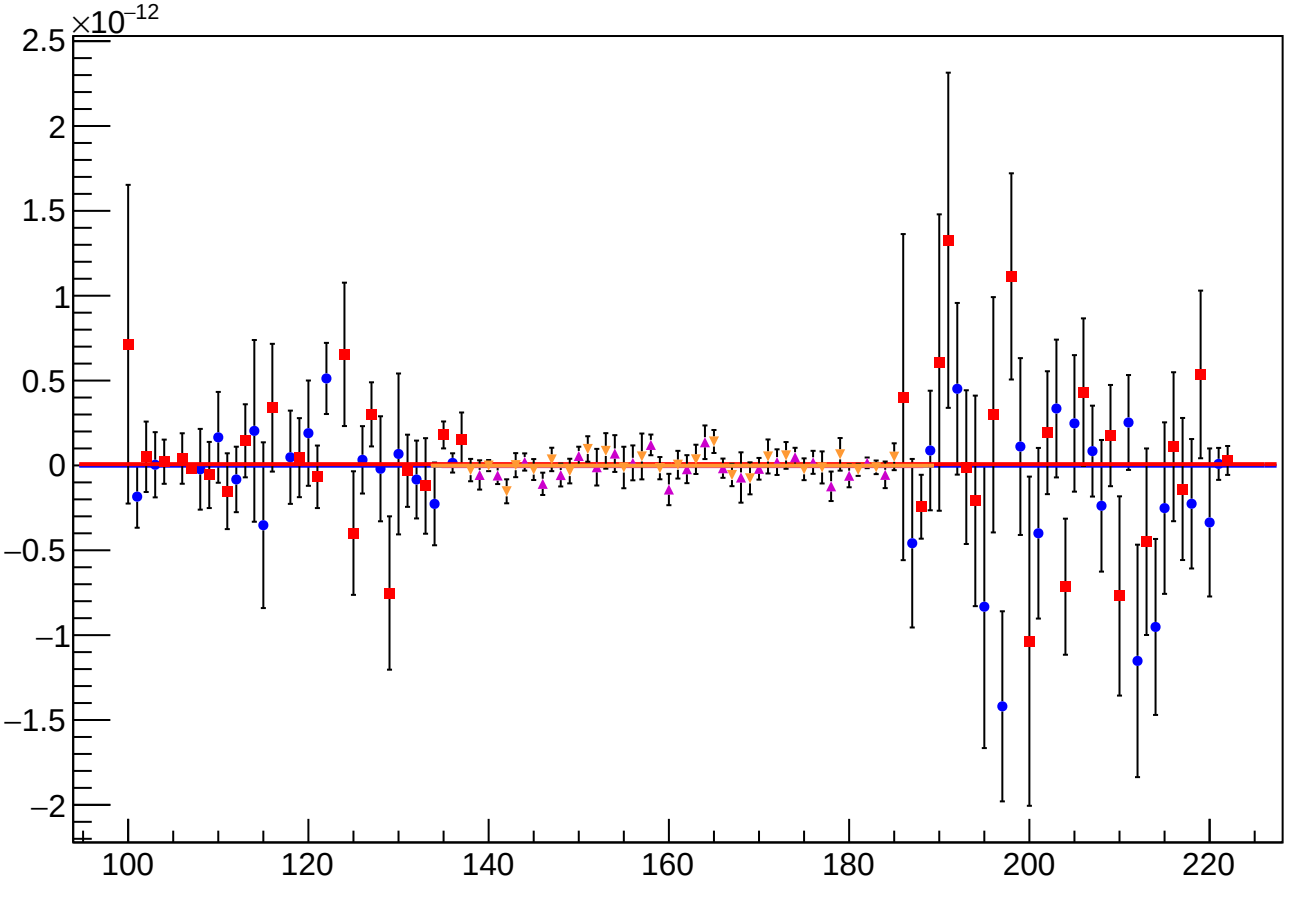
Right: 171.065+/-0.020 χ^2/NDF: 9408324.7/71

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 189.259+/-0.023 χ^2/NDF:12893374.2/62

All: 194.604+/-0.017 χ^2/NDF: 20623443.2/11

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 35.9/37

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

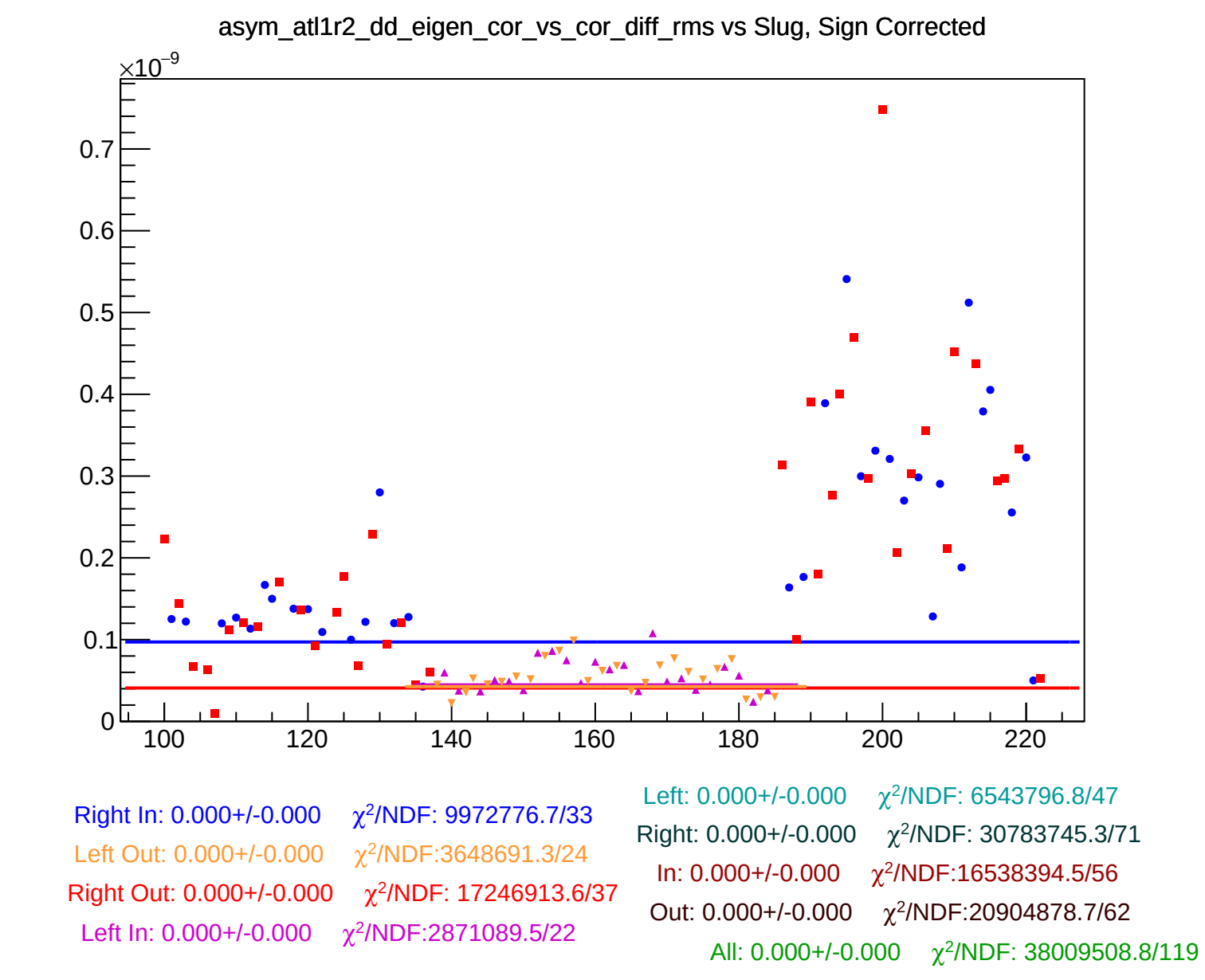
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

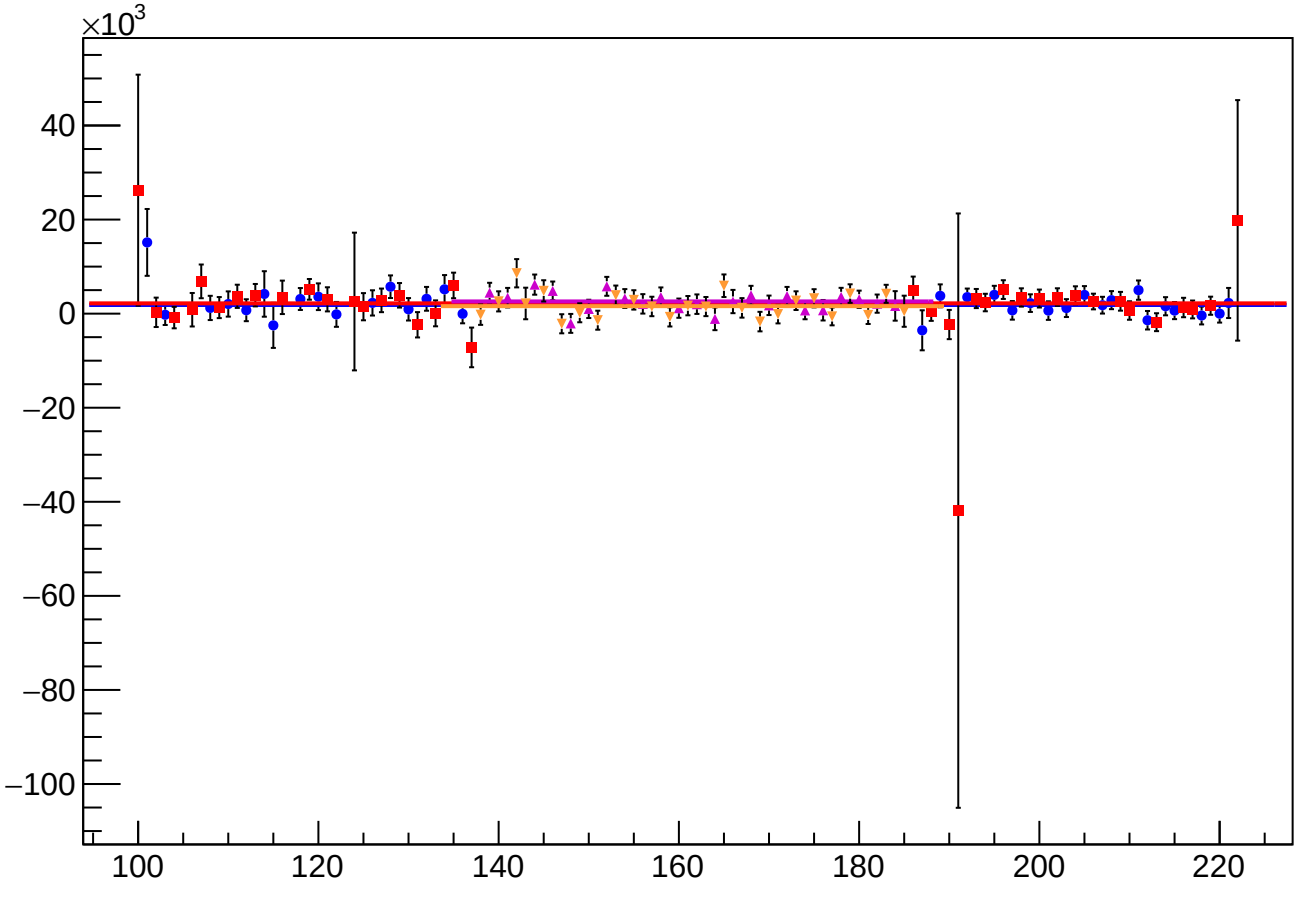
Right: 0.000+/-0.000 χ^2/NDF: 65.3/71

In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: 0.000+/-0.000 χ^2/NDF:52.4/62

All: -0.000+/-0.000 χ^2/NDF: 101.7/119


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: 17246913.6/37
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: 30783745.3/71
In: 0.000+/-0.000 χ²/NDF:16538394.5/56
Out: 0.000+/-0.000 χ²/NDF:20904878.7/62
All: 0.000+/-0.000 χ²/NDF: 38009508.8/119



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: 2187.045+/-388.953 χ^2/NDF: 33.9/37

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

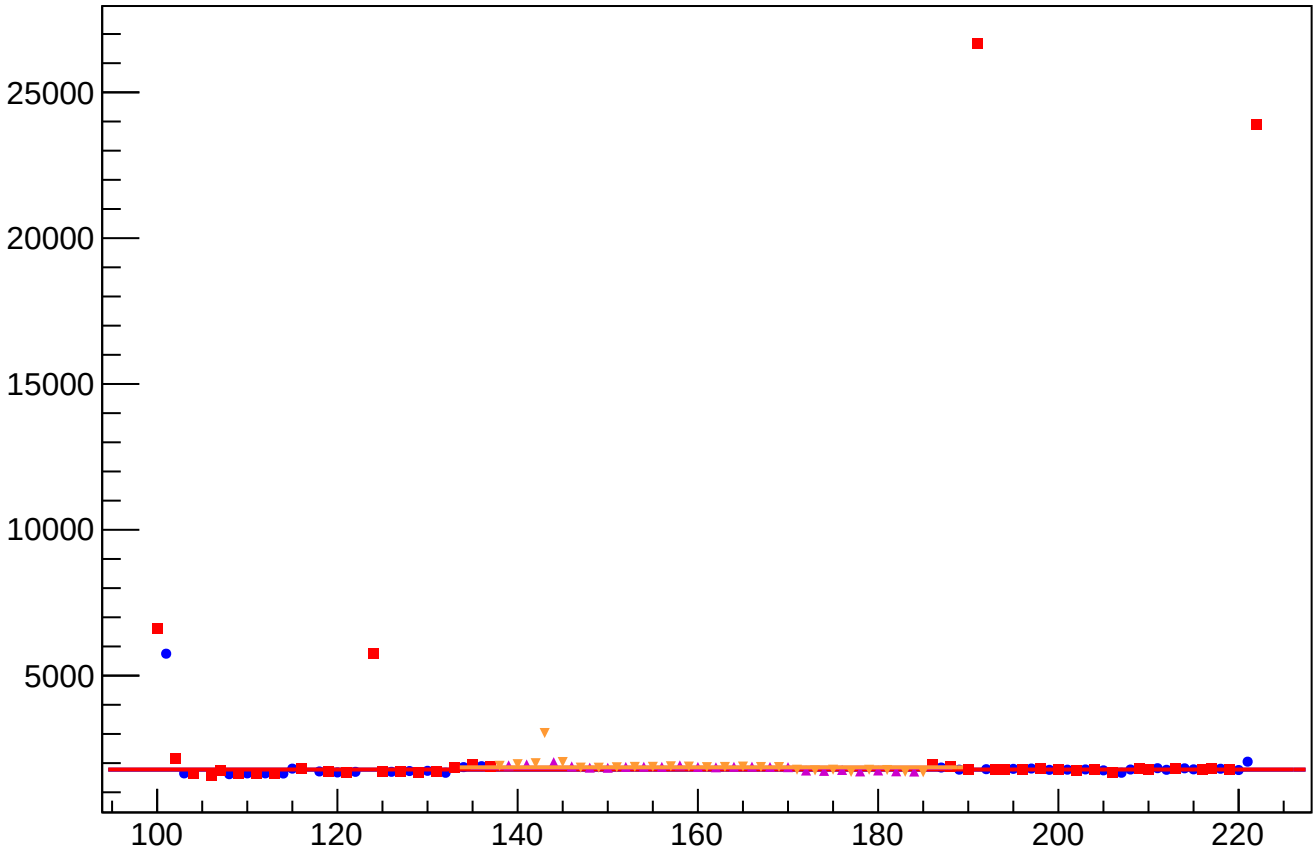
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2013.820+/-274.060 χ^2/NDF: 61.2/71

In: 2179.761+/-287.422 χ^2/NDF:48.6/56

Out: 1914.851+/-286.405 χ^2/NDF:66.3/62

All: 2046.837+/-202.877 χ^2/NDF: 115.3/119



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: 1780.772+/-0.274 χ^2/NDF: 2148348.5/37

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

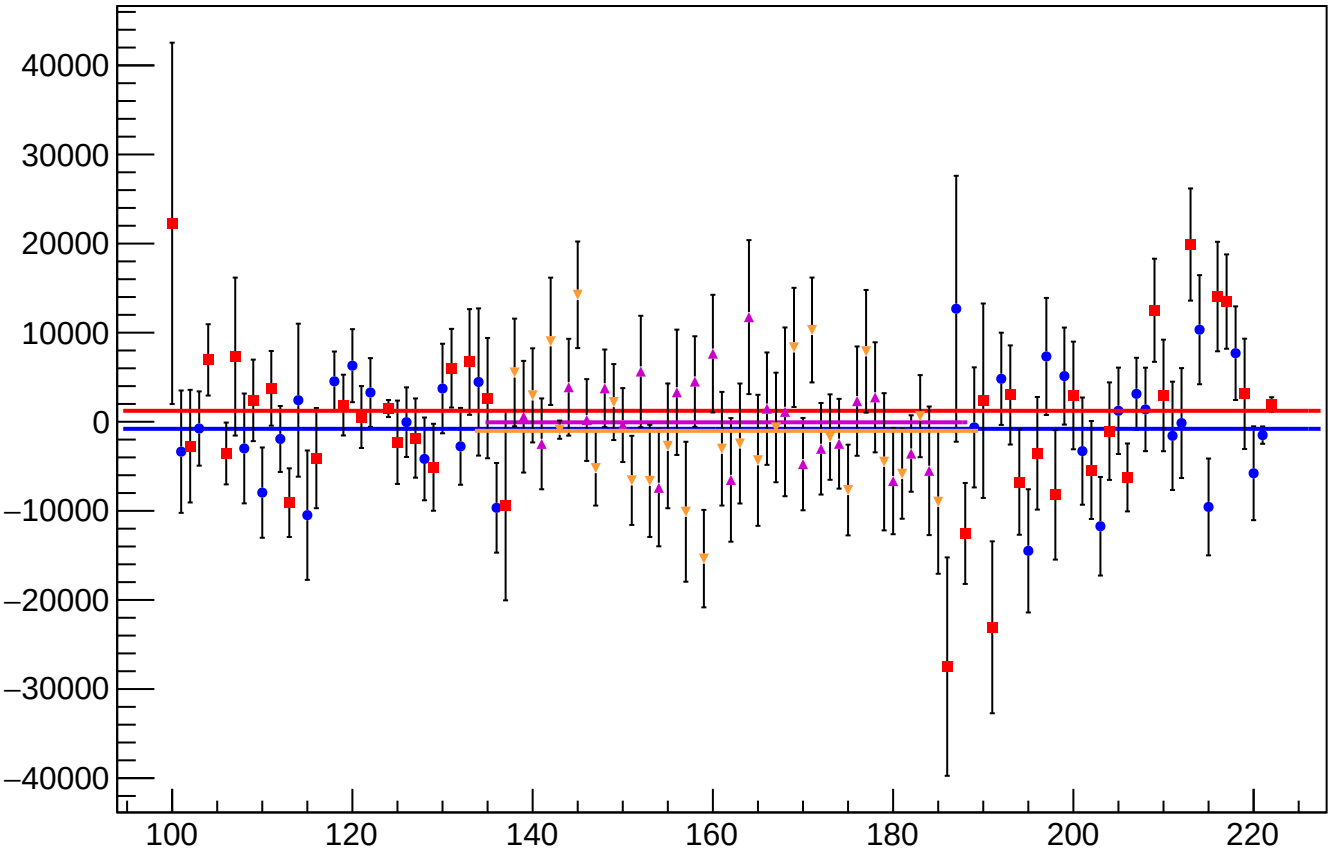
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1777.557+/-0.194 χ^2/NDF: 2848971.8/71

In: 1804.091+/-0.203 χ^2/NDF:797879.4/56

Out: 1814.912+/-0.202 χ^2/NDF:2506547.7/62

All: 1809.528+/-0.143 χ^2/NDF: 3305851.7/11



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: 1231.045+/-505.966 χ^2/NDF: 71.0/37

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

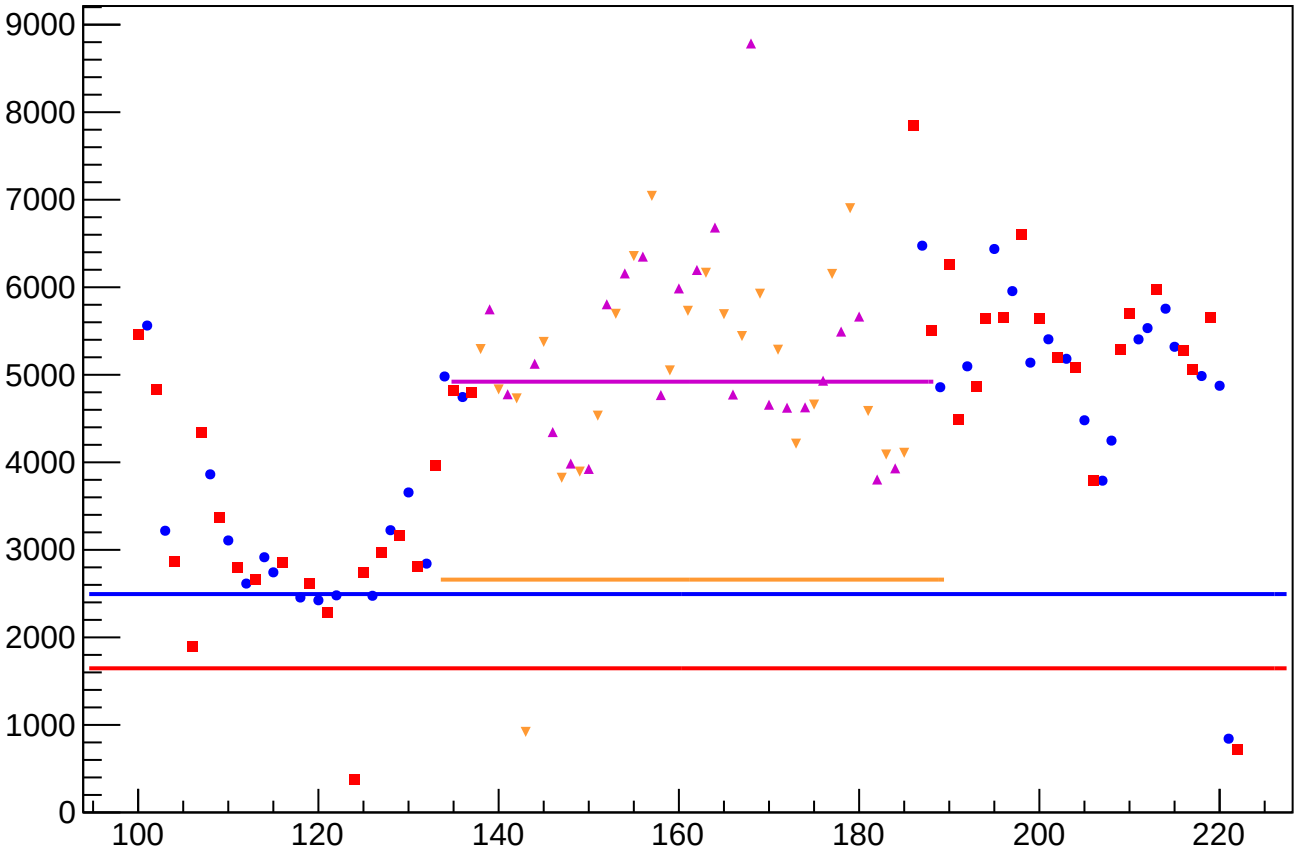
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 476.741+/-400.758 χ^2/NDF: 117.0/71

In: -618.975+/-572.935 χ^2/NDF:53.4/56

Out: 554.776+/-423.147 χ^2/NDF:110.7/62

All: 140.502+/-340.378 χ^2/NDF: 166.8/119



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: 1646.910+/-0.358 χ^2/NDF: 22909127.7/37

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

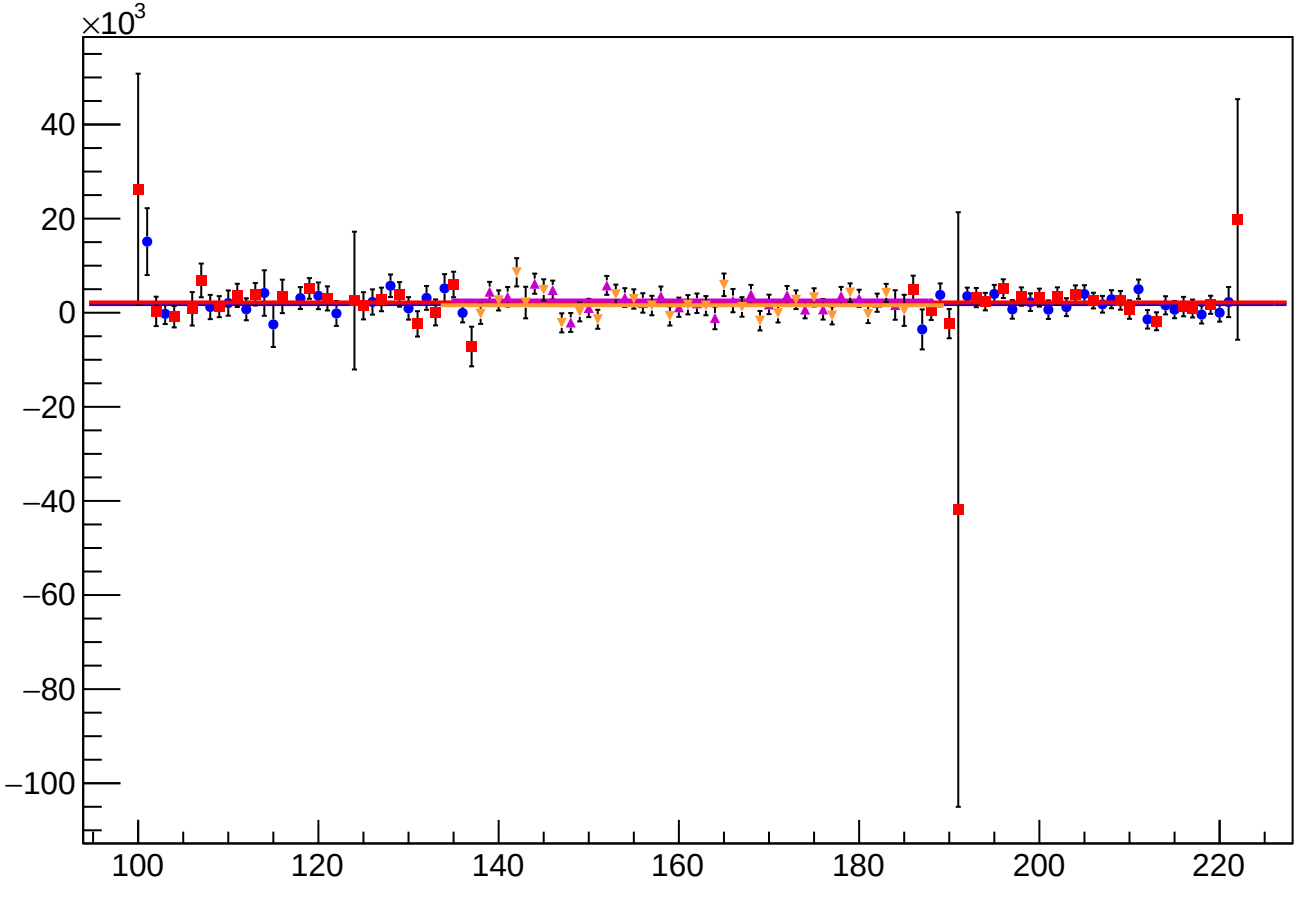
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 1962.867+/-0.283 χ^2/NDF: 39366059.9/71

In: 3073.277+/-0.405 χ^2/NDF:22128537.7/56

Out: 1951.424+/-0.299 χ^2/NDF:39855363.4/62

All: 2347.381+/-0.241 χ^2/NDF: 66945591.3/1



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: 2187.079+/-388.953 χ^2/NDF: 33.9/37

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

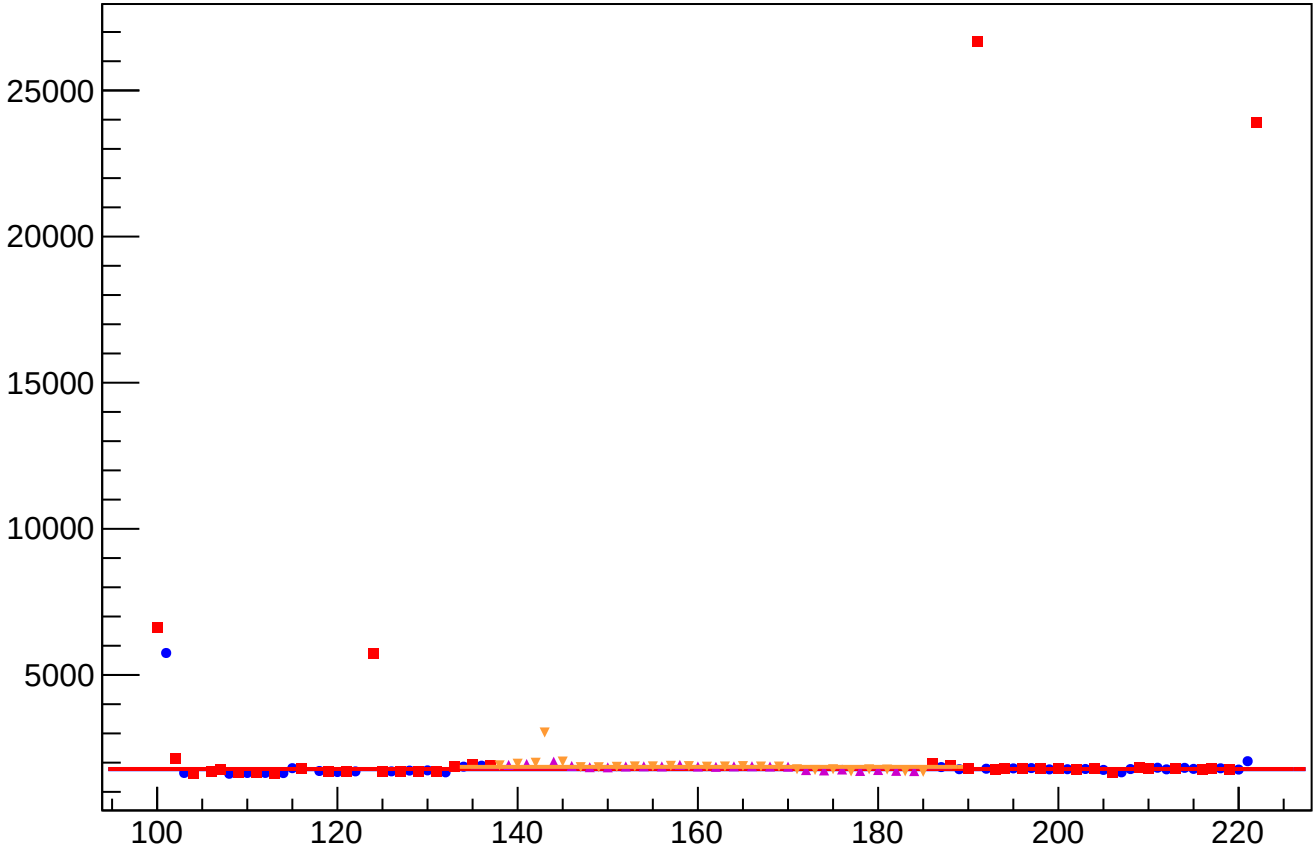
Right: 2013.730+/-274.060 χ^2/NDF: 61.1/71

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1914.854+/-286.405 χ^2/NDF:66.3/62

All: 2046.796+/-202.877 χ^2/NDF: 115.3/119

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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: 1783.251+/-0.275 χ^2/NDF: 2139185.2/37

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

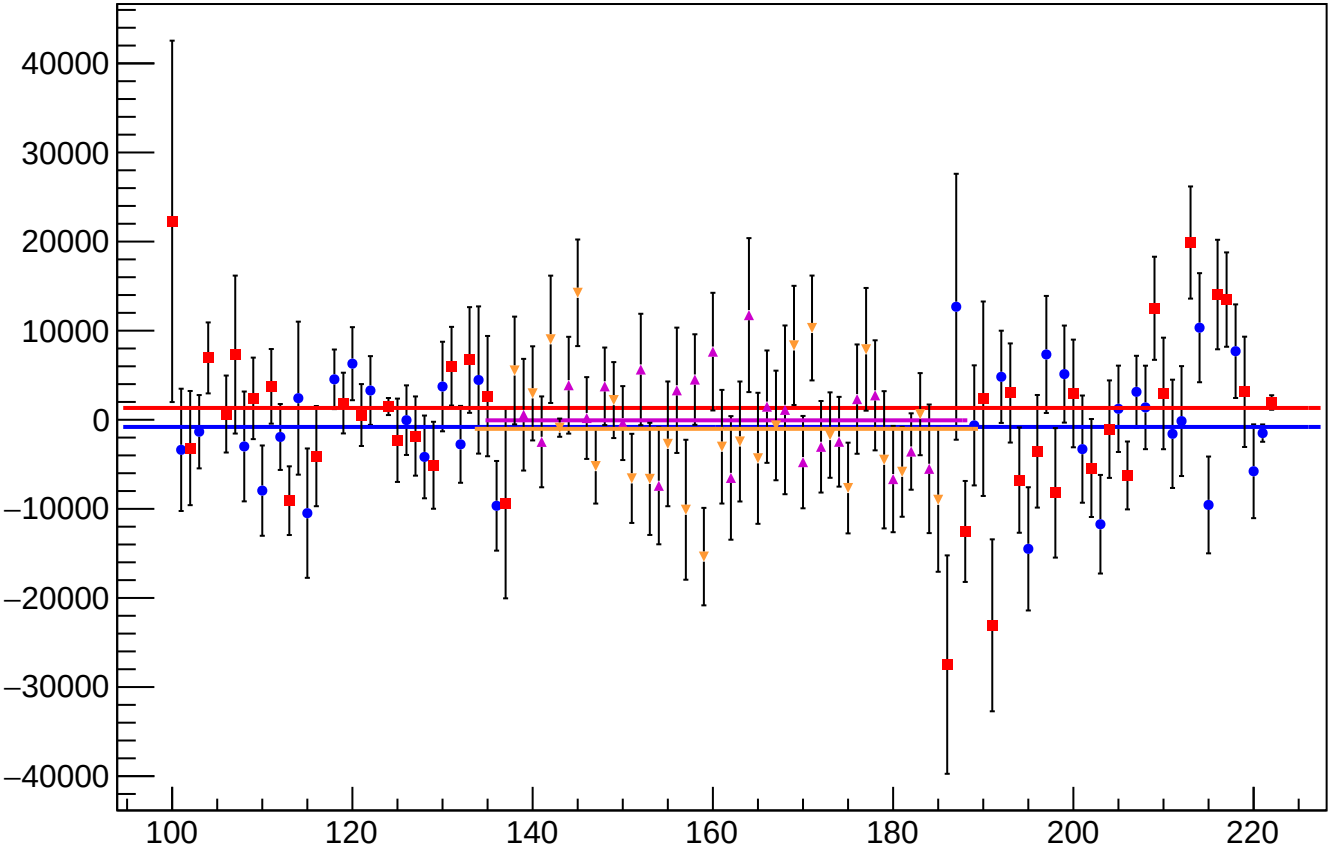
Right: 1778.785+/-0.194 χ^2/NDF: 2840061.0/71

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1816.306+/-0.202 χ^2/NDF:2495135.1/62

All: 1810.224+/-0.143 χ^2/NDF: 3294828.7/11

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: 1325.264+/-507.893 χ^2/NDF: 69.2/37

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

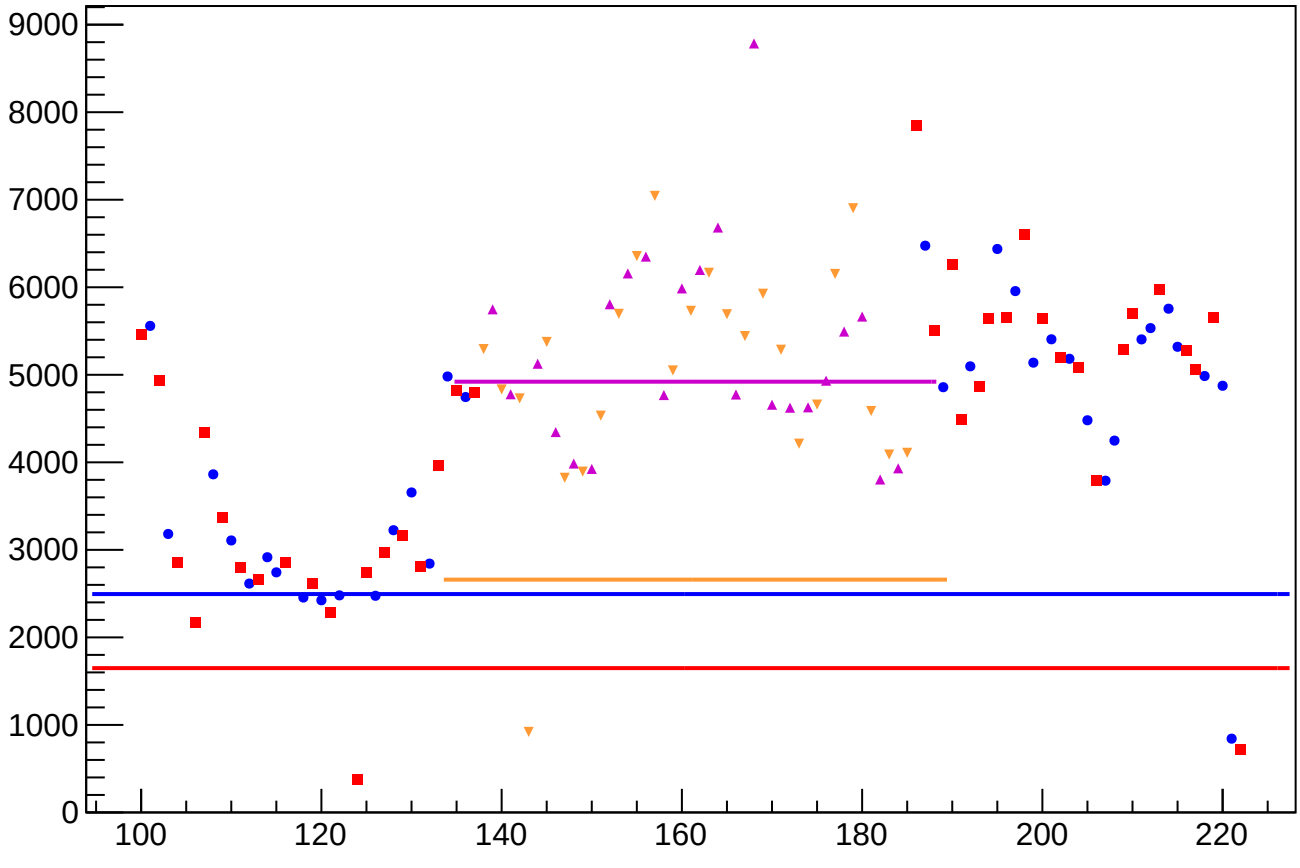
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 527.095+/-401.687 χ^2/NDF: 115.8/71

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 616.946+/-424.269 χ^2/NDF:109.4/62

All: 175.680+/-340.945 χ^2/NDF: 165.8/119



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: 1648.902+/-0.359 χ^2/NDF: 22944176.3/37

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

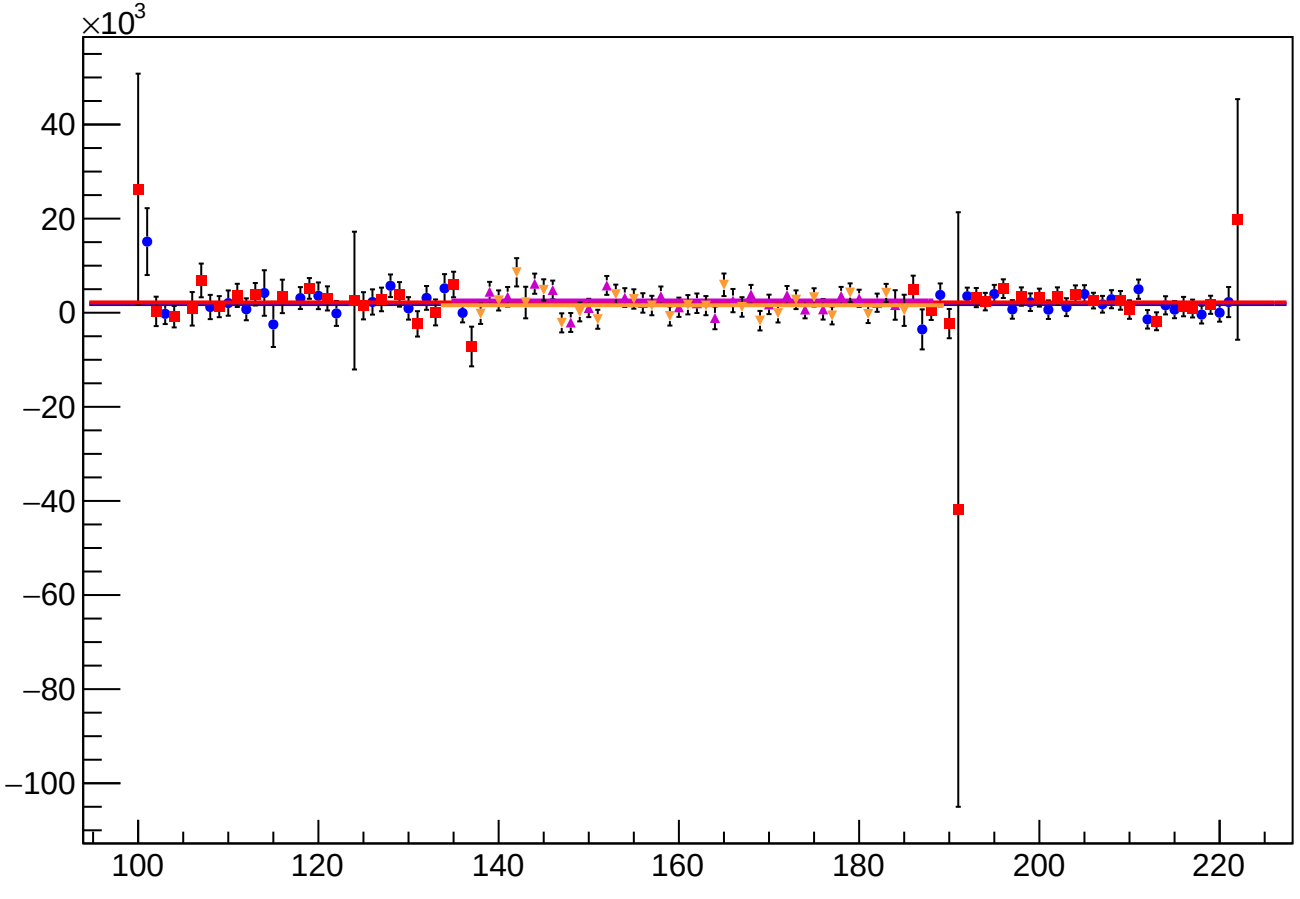
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1965.745+/-0.284 χ^2/NDF: 39375715.4/71

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 1954.414+/-0.300 χ^2/NDF:39875784.2/62

All: 2350.722+/-0.241 χ^2/NDF: 66919751.5/1



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: 2187.079+/-388.953 χ^2/NDF: 33.9/37

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

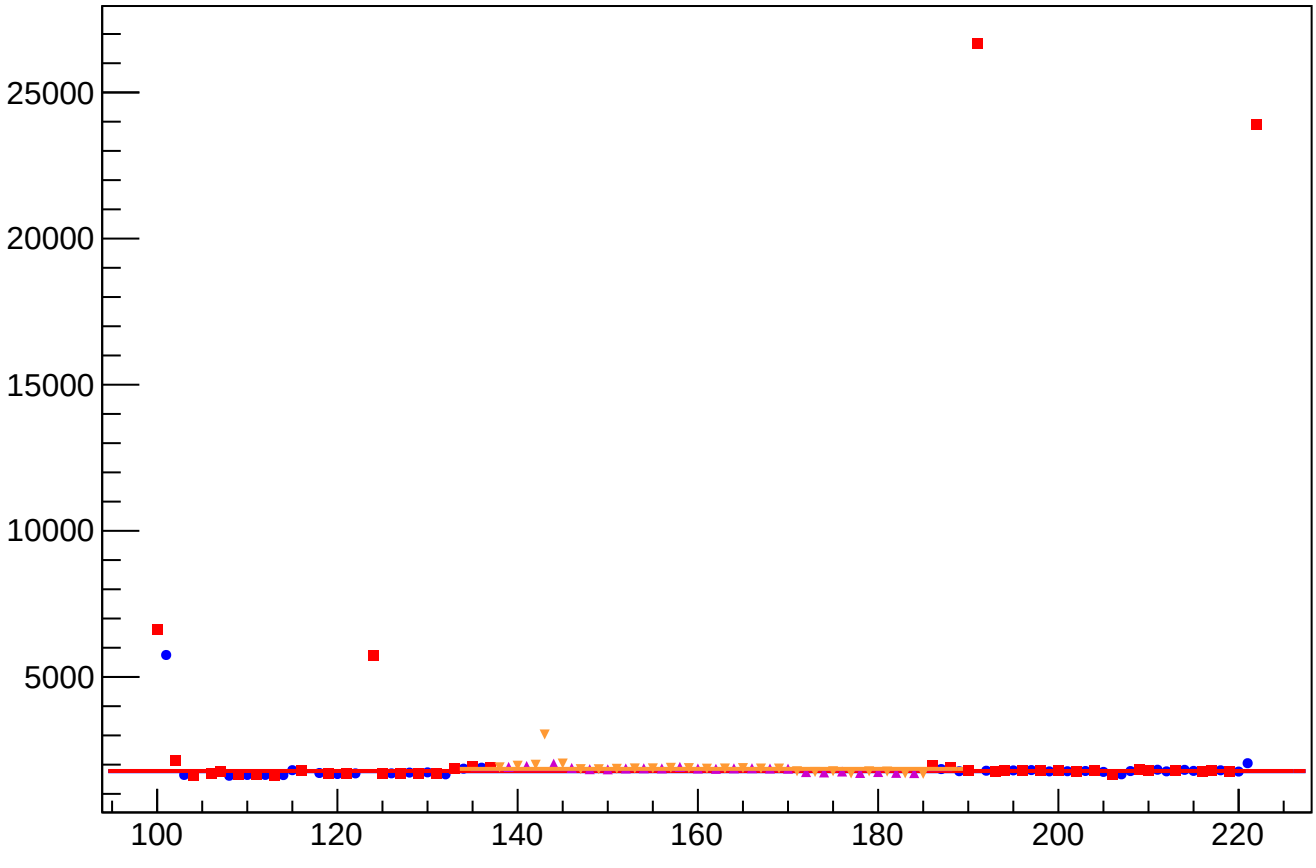
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2013.730+/-274.060 χ^2/NDF: 61.1/71

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1914.854+/-286.405 χ^2/NDF:66.3/62

All: 2046.796+/-202.877 χ^2/NDF: 115.3/119



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: 1783.251+/-0.275 χ^2/NDF: 2139185.2/37

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

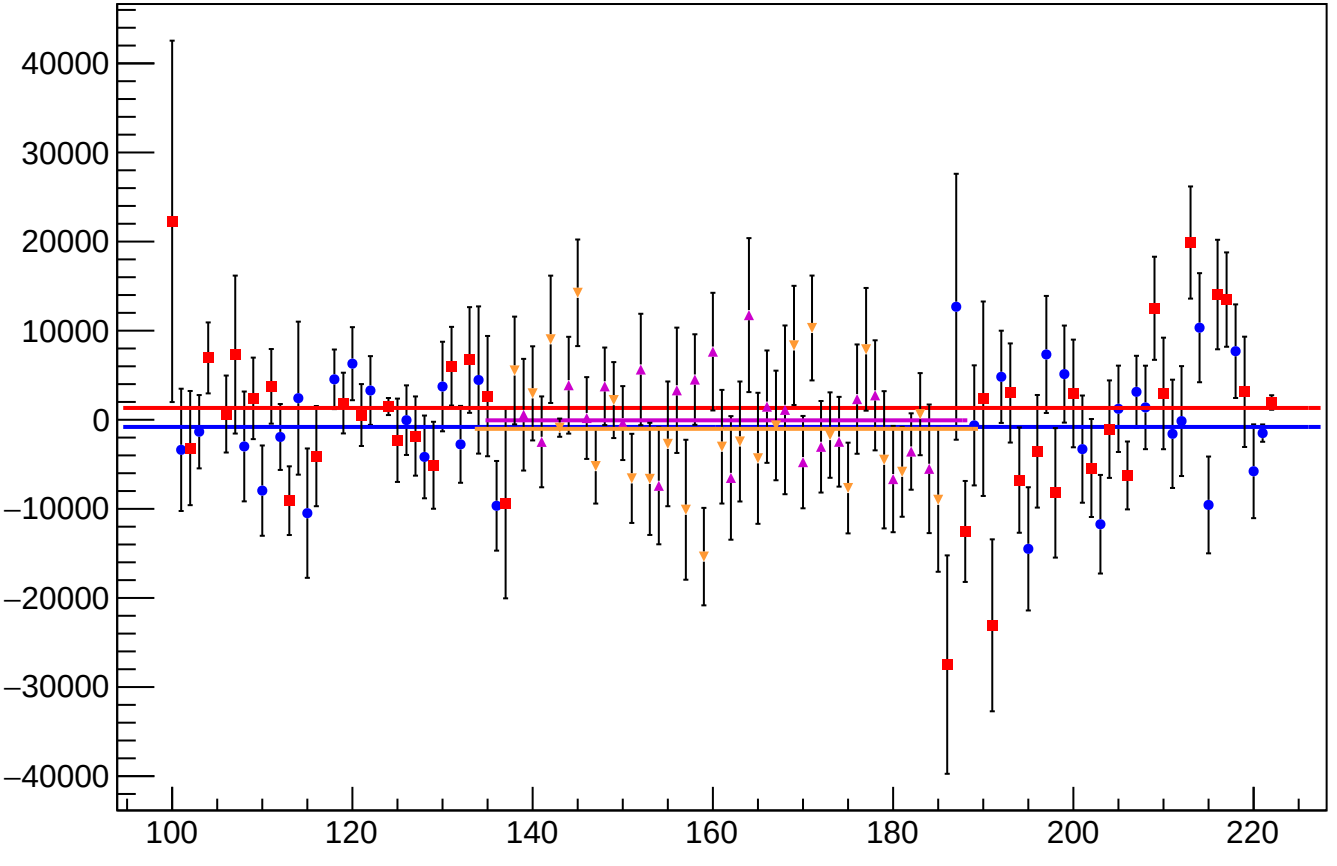
Right: 1778.785+/-0.194 χ^2/NDF: 2840061.0/71

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1816.306+/-0.202 χ^2/NDF:2495135.1/62

All: 1810.224+/-0.143 χ^2/NDF: 3294828.7/11

asym_atr1l2_avg_eigen_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: 1325.264+/-507.893 χ^2/NDF: 69.2/37

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

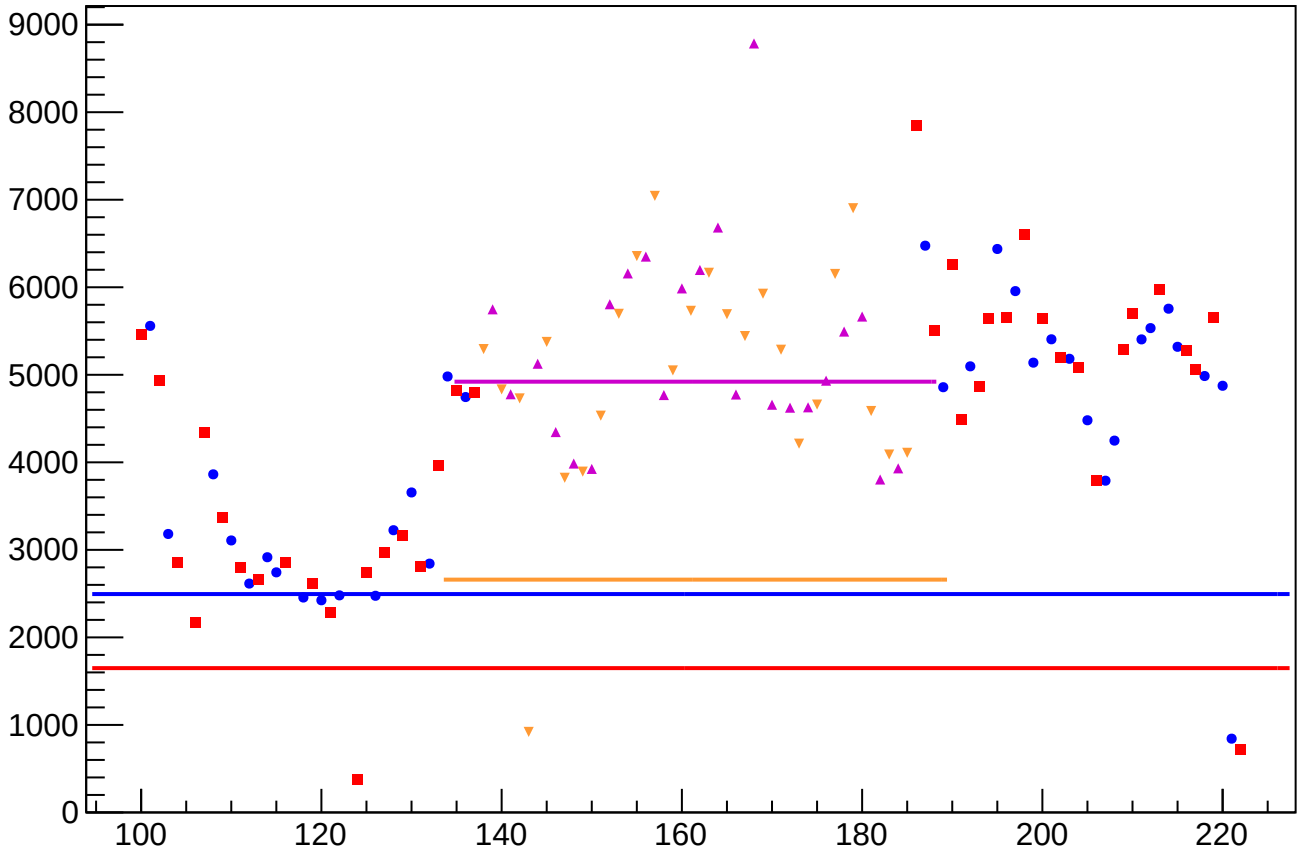
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 527.095+/-401.687 χ^2/NDF: 115.8/71

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 616.946+/-424.269 χ^2/NDF:109.4/62

All: 175.680+/-340.945 χ^2/NDF: 165.8/119



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: 1648.902+/-0.359 χ^2/NDF: 22944176.3/37

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

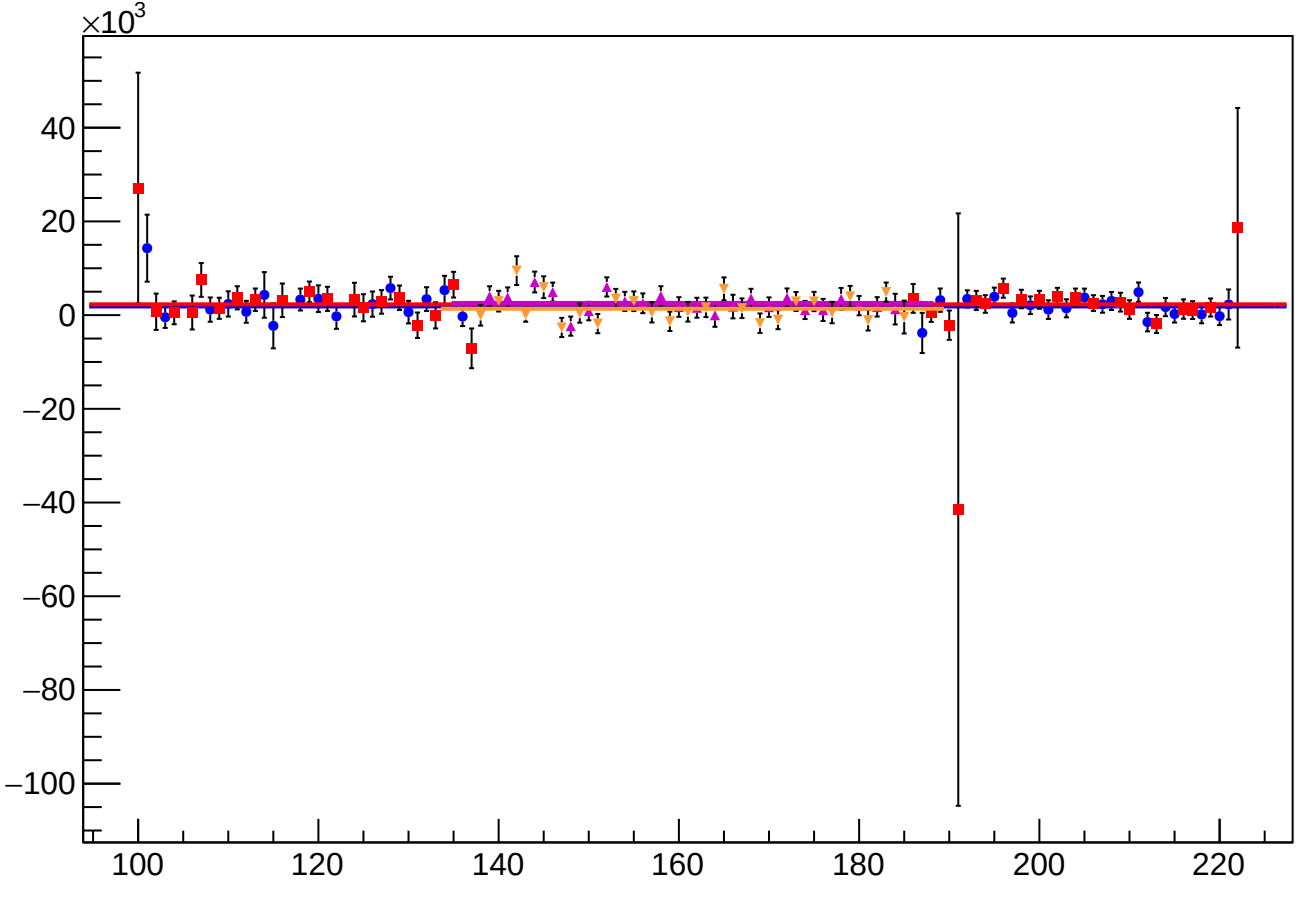
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1965.745+/-0.284 χ^2/NDF: 39375715.4/71

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 1954.414+/-0.300 χ^2/NDF:39875784.2/62

All: 2350.722+/-0.241 χ^2/NDF: 66919751.5/1



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: 2302.185+/-391.681 χ^2/NDF: 32.3/37

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

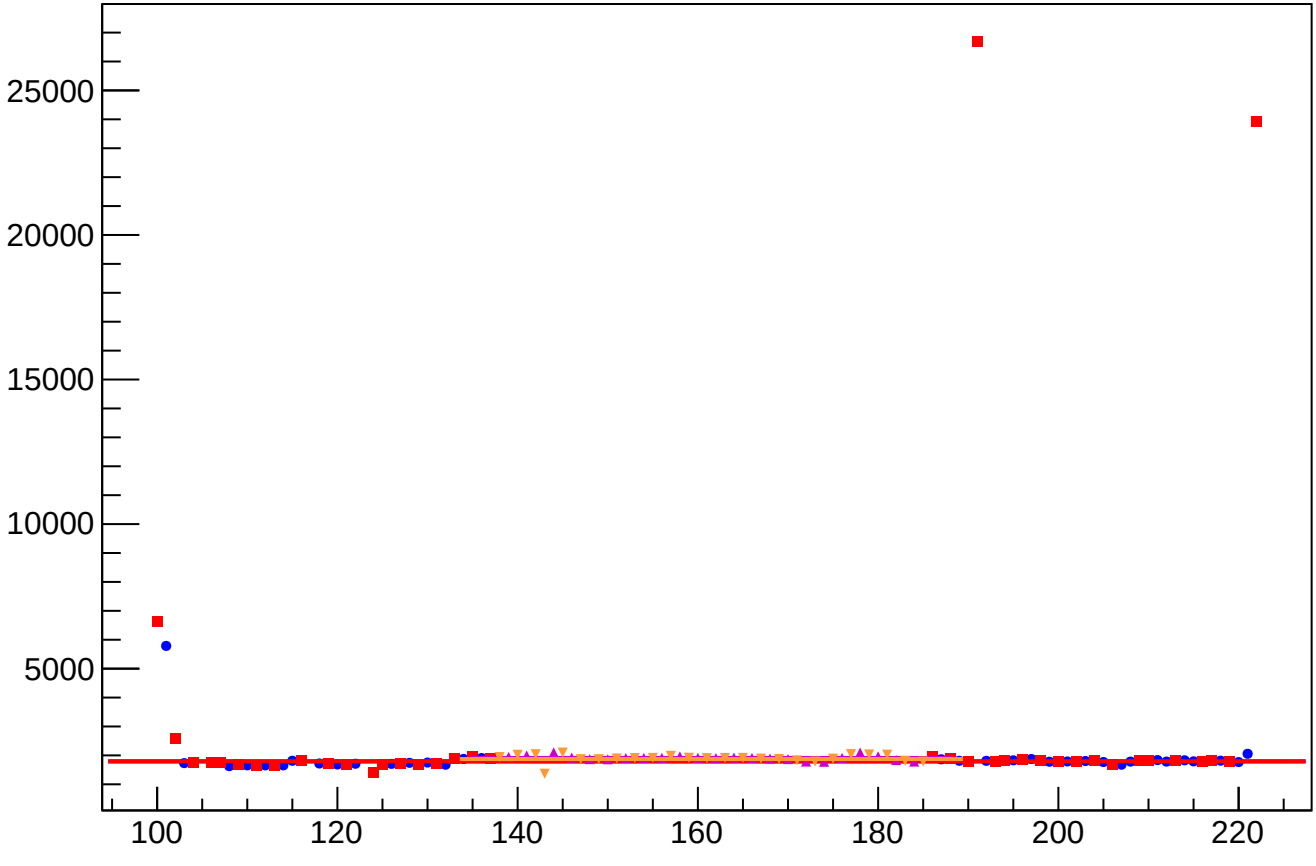
Right: 2075.525+/-276.306 χ^2/NDF: 59.2/71

In: 2176.010+/-293.729 χ^2/NDF:47.9/56

Out: 1873.803+/-288.743 χ^2/NDF:71.0/62

All: 2022.320+/-205.912 χ^2/NDF: 119.4/119

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: 1796.131+/-0.277 χ^2/NDF: 2060538.2/37

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

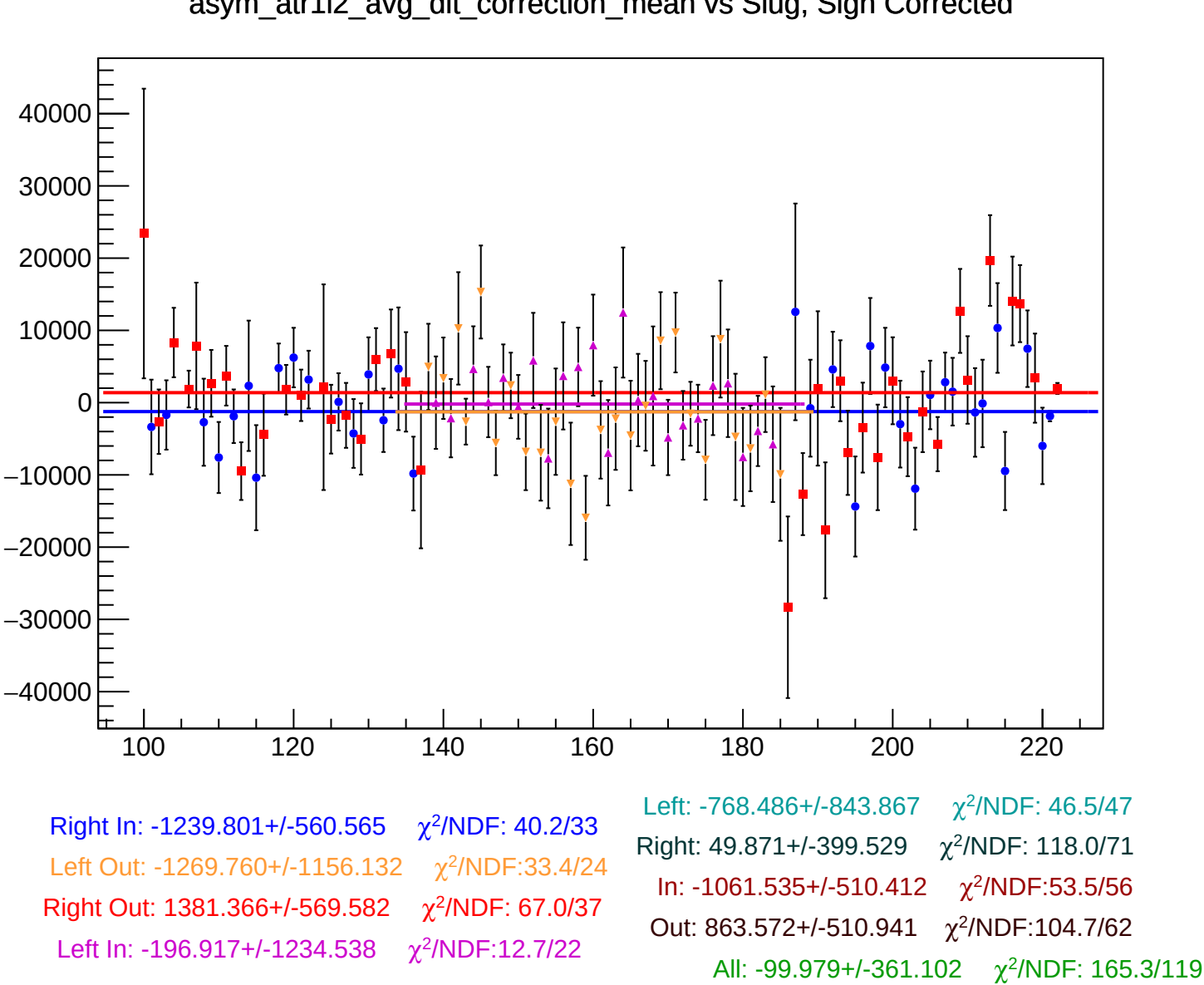
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

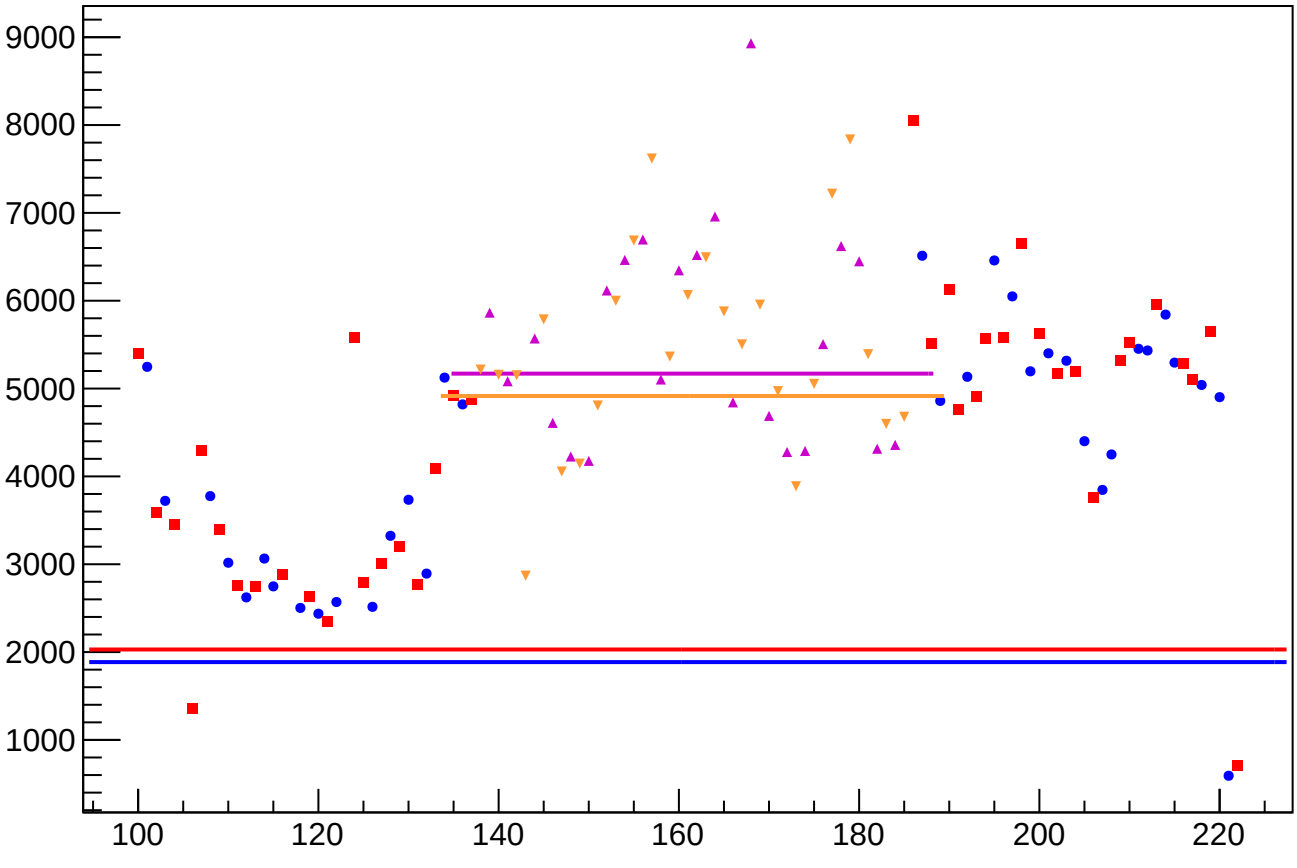
Right: 1793.490+/-0.195 χ^2/NDF: 2759901.2/71

In: 1842.984+/-0.208 χ^2/NDF:841002.4/56

Out: 1831.270+/-0.204 χ^2/NDF:2405634.2/62

All: 1837.024+/-0.146 χ^2/NDF: 3248255.1/11


asym_atr1l2_avg_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: -1239.801+/-560.565 χ²/NDF: 40.2/33
Left Out: -1269.760+/-1156.132 χ²/NDF:33.4/24
Right Out: 1381.366+/-569.582 χ²/NDF: 67.0/37
Left In: -196.917+/-1234.538 χ²/NDF:12.7/22
Left: -768.486+/-843.867 χ²/NDF: 46.5/47
Right: 49.871+/-399.529 χ²/NDF: 118.0/71
In: -1061.535+/-510.412 χ²/NDF:53.5/56
Out: 863.572+/-510.941 χ²/NDF:104.7/62
All: -99.979+/-361.102 χ²/NDF: 165.3/119



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: 2029.474+/-0.403 χ^2/NDF: 19083090.1/37

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

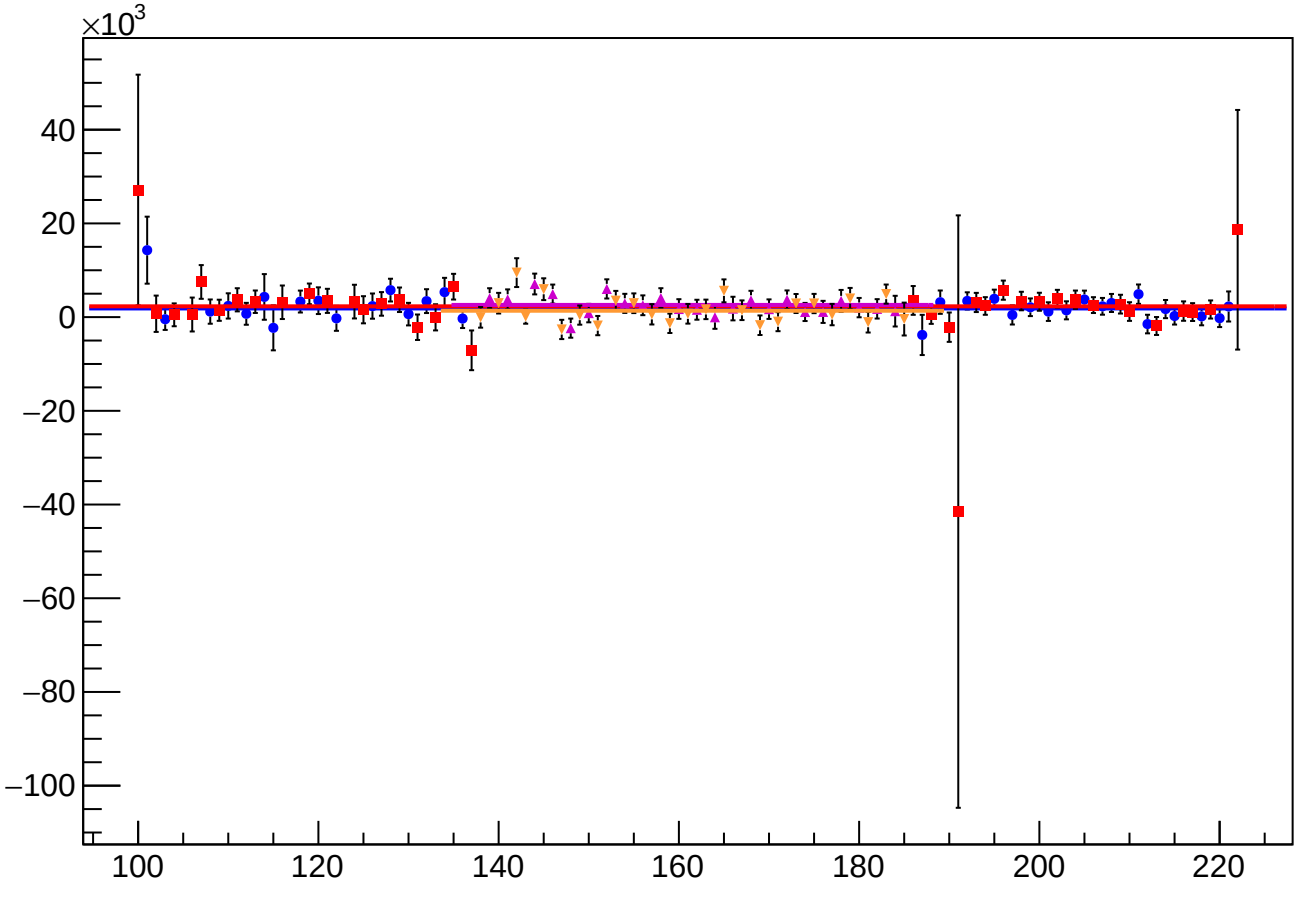
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 1956.559+/-0.283 χ^2/NDF: 39663439.7/71

In: 2447.302+/-0.361 χ^2/NDF:33598389.3/56

Out: 2593.096+/-0.361 χ^2/NDF:31276226.0/62

All: 2520.123+/-0.255 χ^2/NDF: 64956121.6/



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: 2302.180+/-391.681 χ^2/NDF: 32.3/37

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

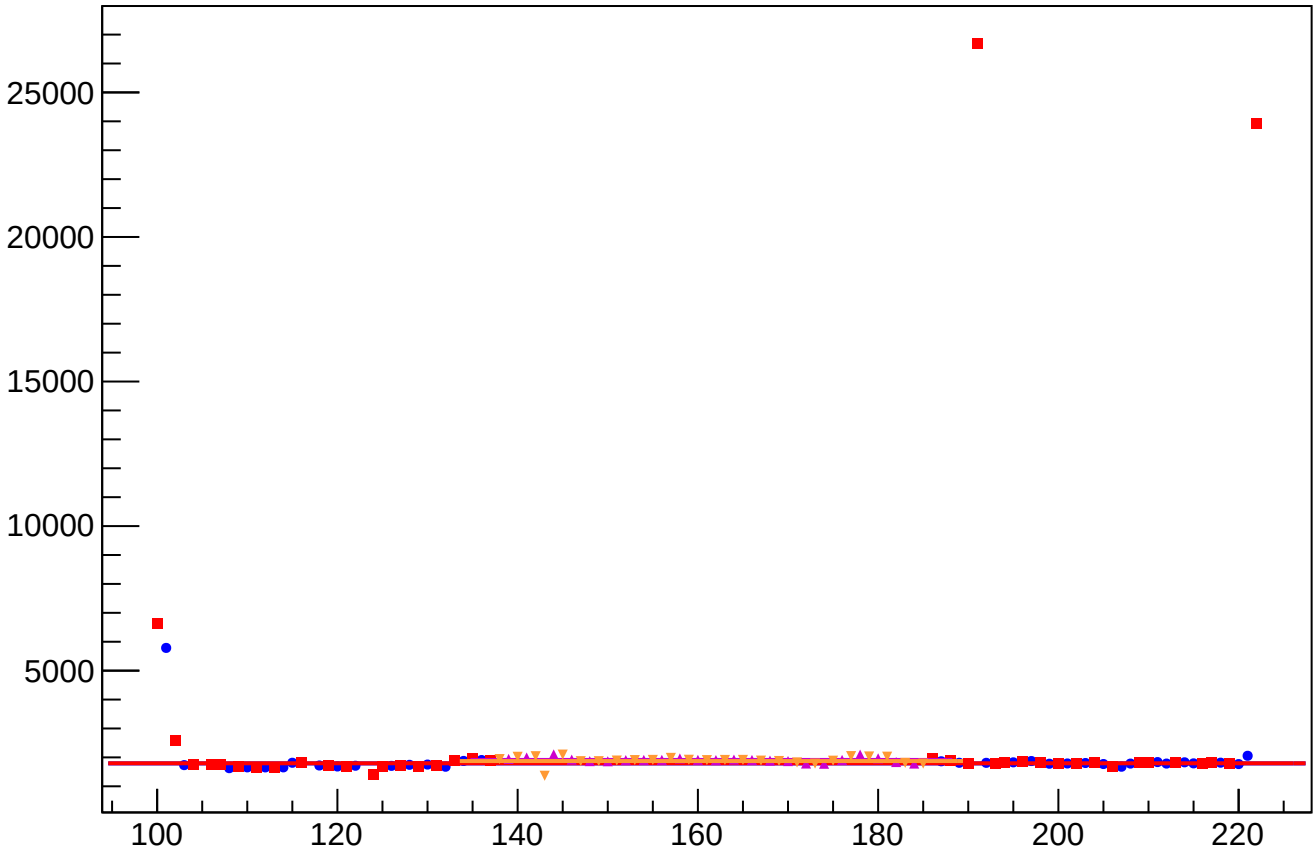
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2075.524+/-276.306 χ^2/NDF: 59.2/71

In: 2176.011+/-293.729 χ^2/NDF:47.9/56

Out: 1873.799+/-288.743 χ^2/NDF:71.0/62

All: 2022.318+/-205.912 χ^2/NDF: 119.4/119



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: 1796.130+/-0.277 χ^2/NDF: 2060538.3/37

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

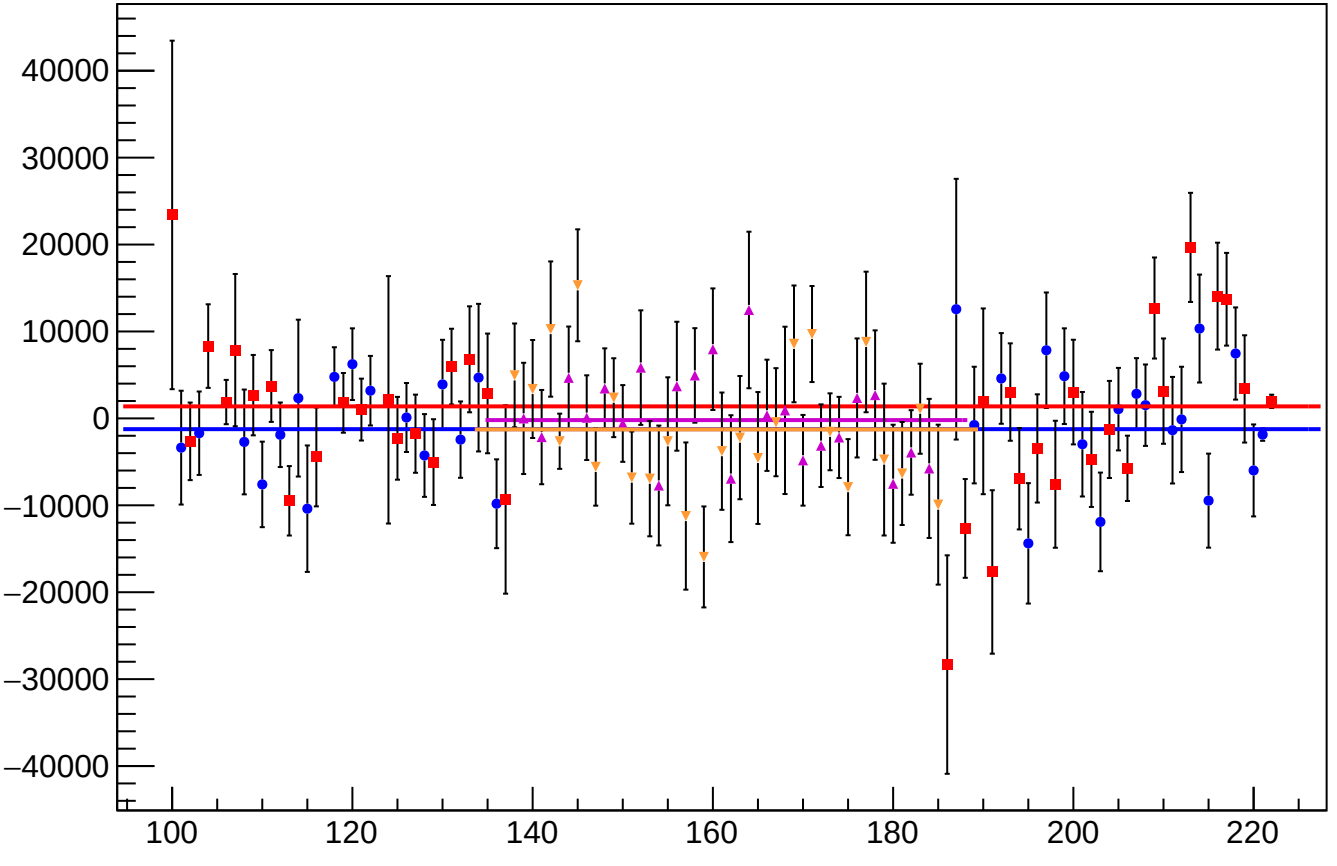
Right: 1793.490+/-0.195 χ^2/NDF: 2759901.3/71

In: 1842.985+/-0.208 χ^2/NDF:841006.1/56

Out: 1831.271+/-0.204 χ^2/NDF:2405638.9/62

All: 1837.024+/-0.146 χ^2/NDF: 3248263.4/11

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1381.364+/-569.582 χ^2/NDF: 67.0/37

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

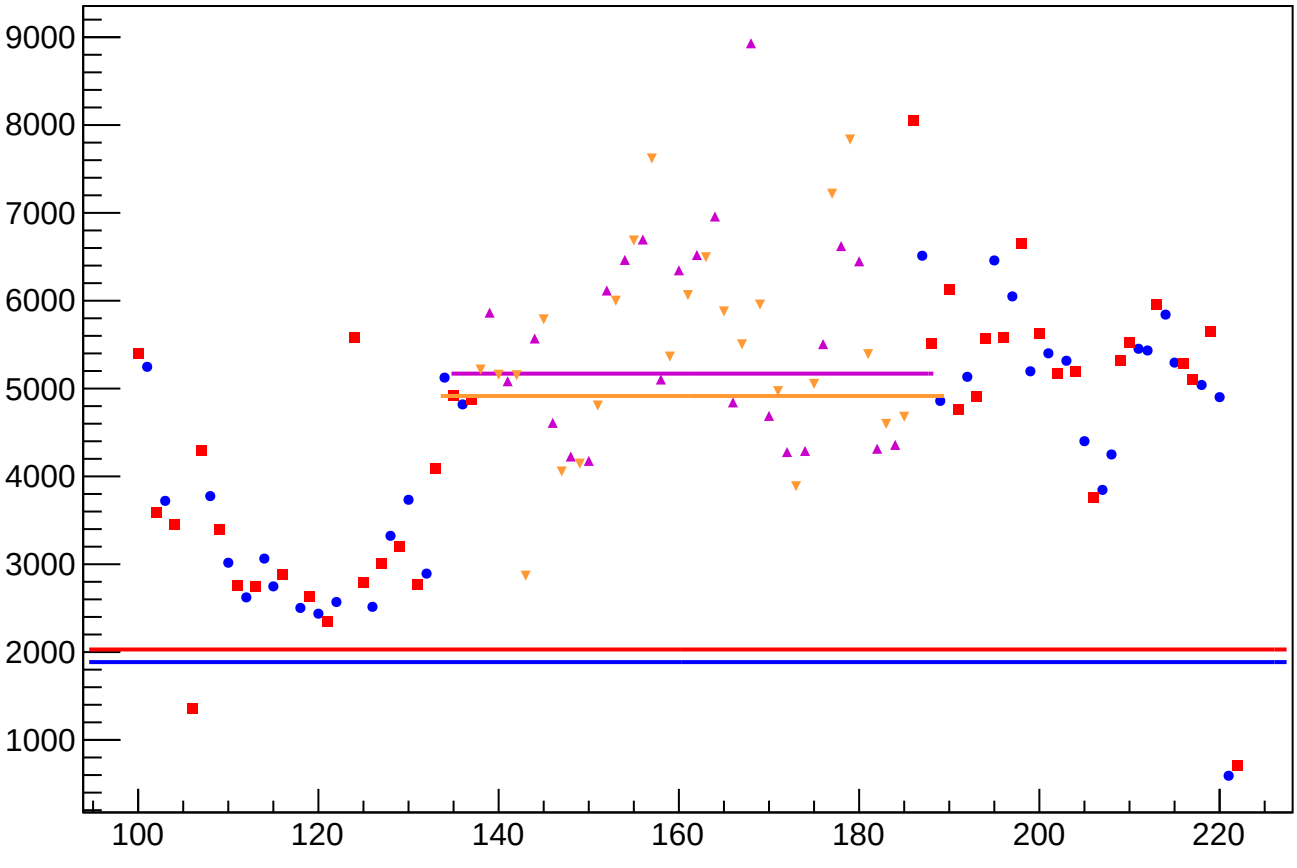
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 49.868+/-399.529 χ^2/NDF: 118.0/71

In: -1061.536+/-510.411 χ^2/NDF:53.5/56

Out: 863.571+/-510.941 χ^2/NDF:104.7/62

All: -99.981+/-361.102 χ^2/NDF: 165.3/119



Right In: 1885.928+/-0.396 χ^2/NDF: 20515895.2/33

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2029.473+/-0.403 χ^2/NDF: 19083092.0/37

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

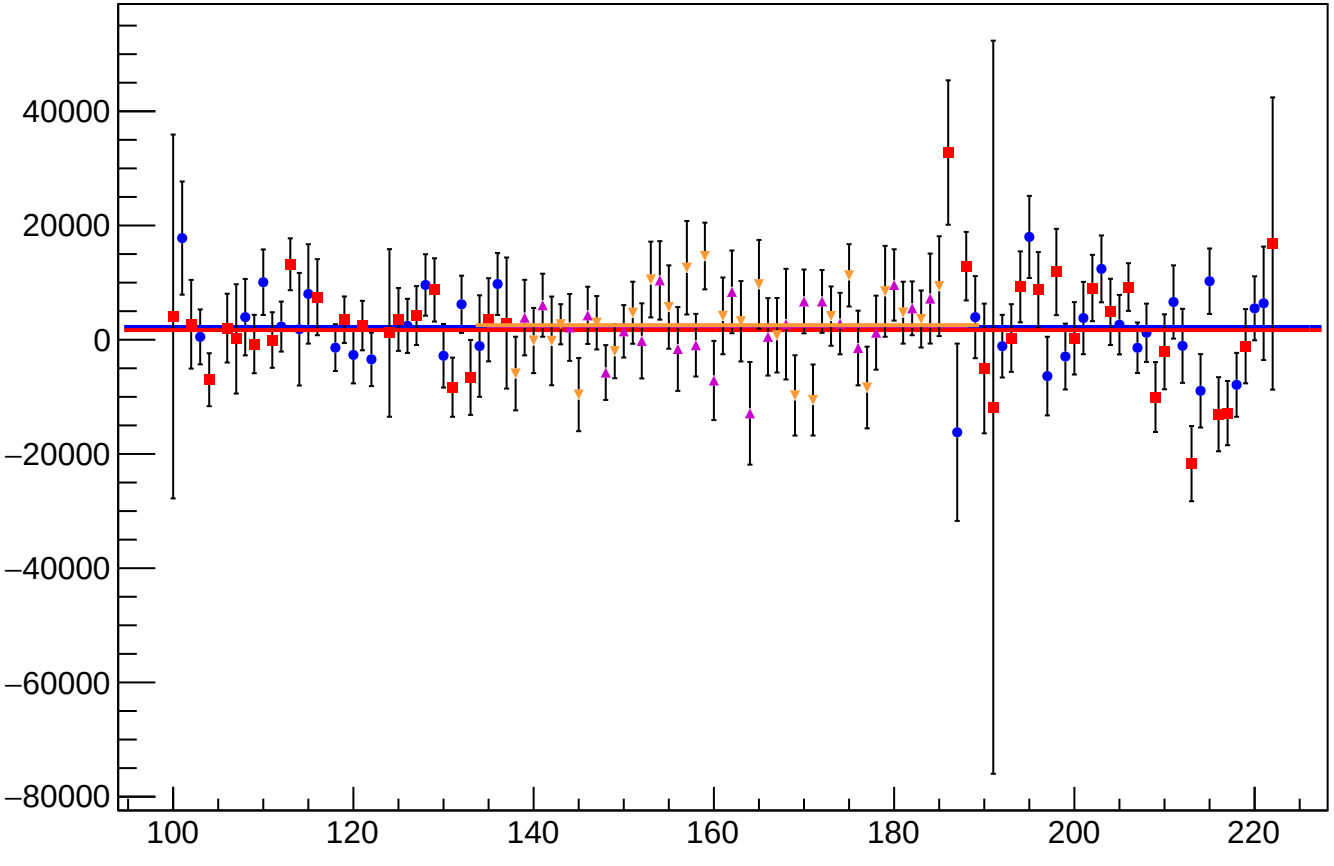
Right: 1956.555+/-0.283 χ^2/NDF: 39663513.9/71

In: 2447.295+/-0.361 χ^2/NDF:33598533.0/56

Out: 2593.095+/-0.361 χ^2/NDF:31276266.4/62

All: 2520.119+/-0.255 χ^2/NDF: 64956311.5/1

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: 1693.554+/-1002.727 χ^2/NDF: 67.3/37

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

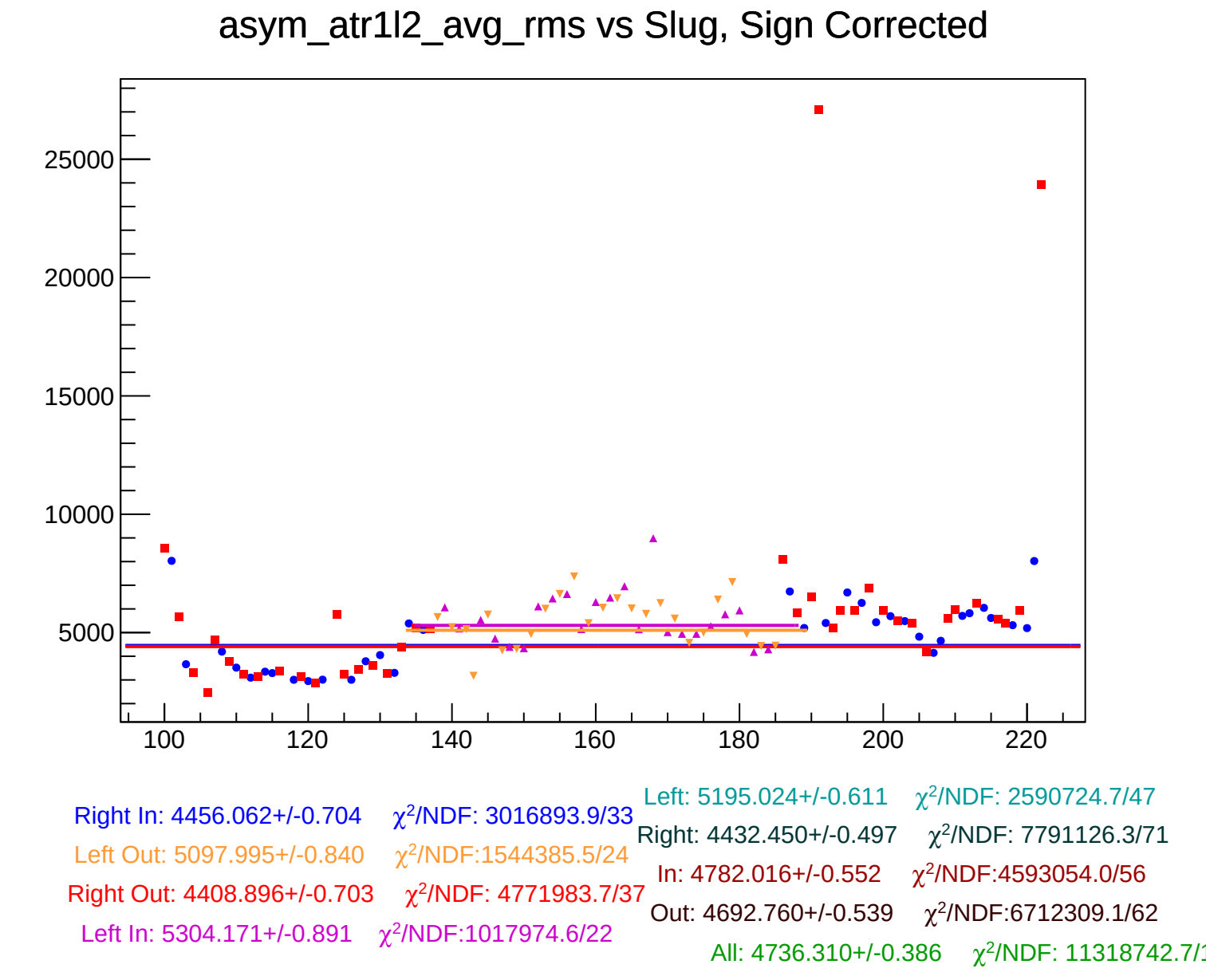
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

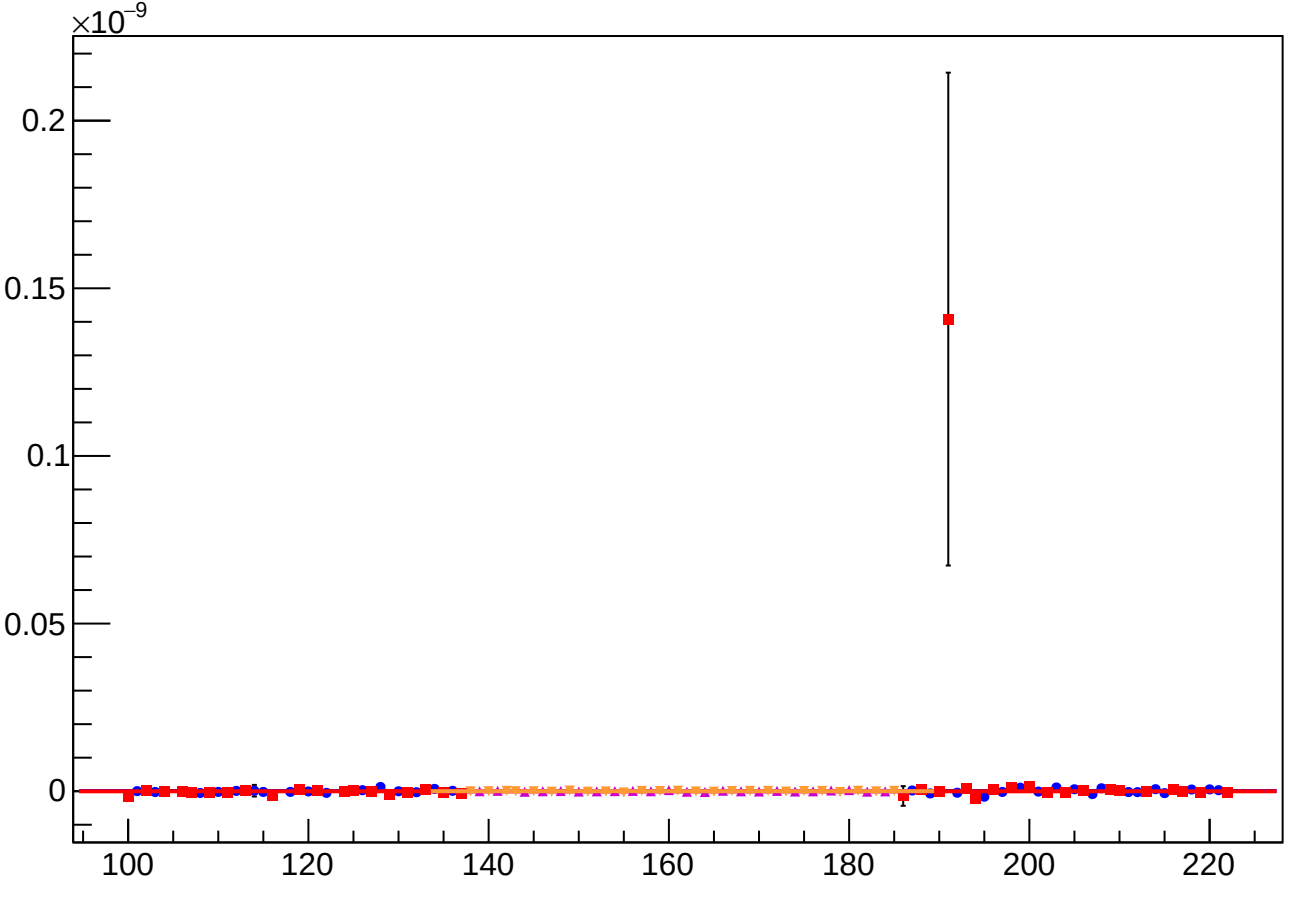
Right: 1965.075+/-706.375 χ^2/NDF: 103.4/71

In: 2305.757+/-780.915 χ^2/NDF:50.9/56

Out: 2048.758+/-766.175 χ^2/NDF:96.7/62

All: 2174.809+/-546.904 χ^2/NDF: 147.7/119


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: 4408.896+/-0.703 χ²/NDF: 4771983.7/37
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4432.450+/-0.497 χ²/NDF: 7791126.3/71
In: 4782.016+/-0.552 χ²/NDF:4593054.0/56
Out: 4692.760+/-0.539 χ²/NDF:6712309.1/62
All: 4736.310+/-0.386 χ²/NDF: 11318742.7/



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.4/37

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

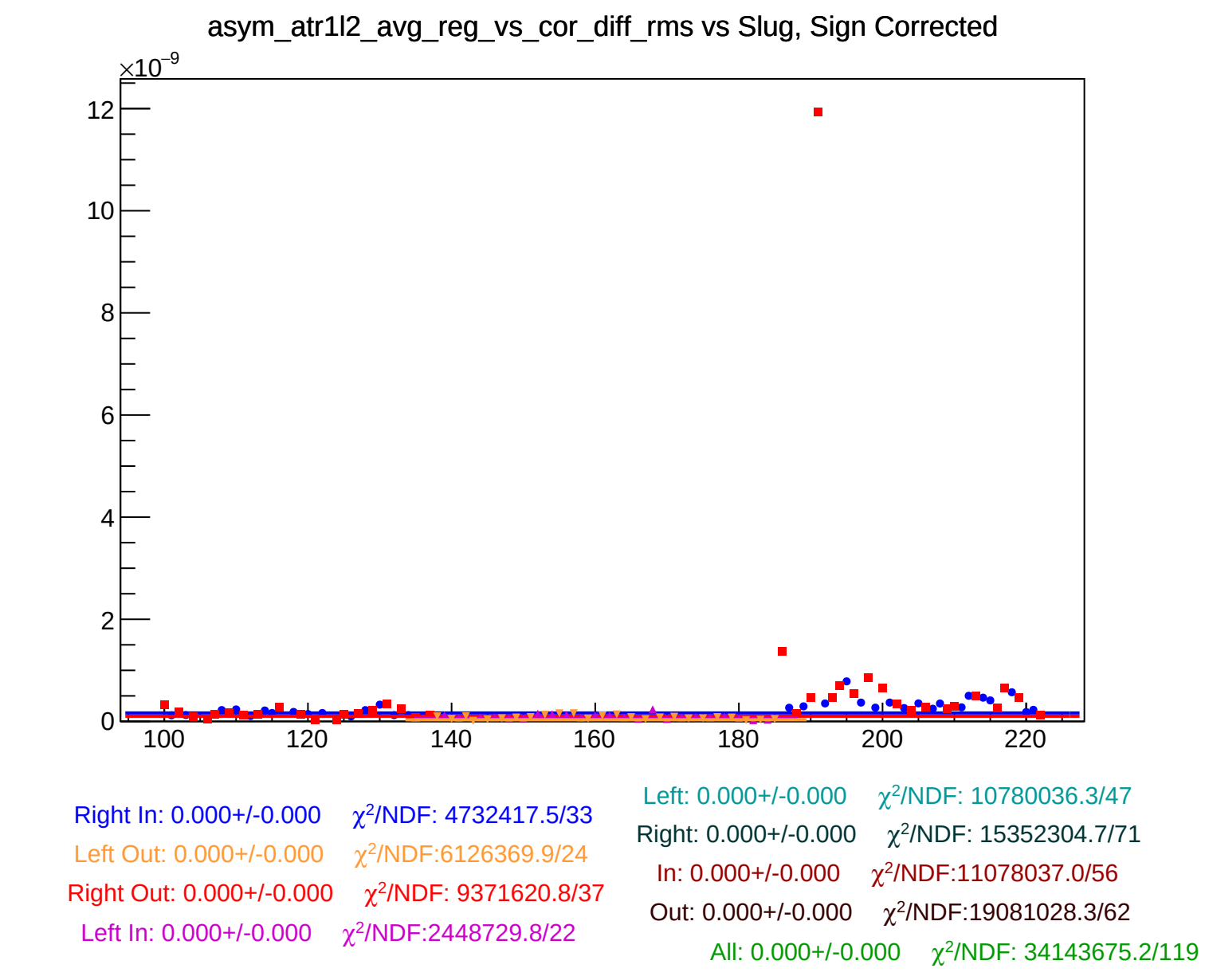
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 85.2/71

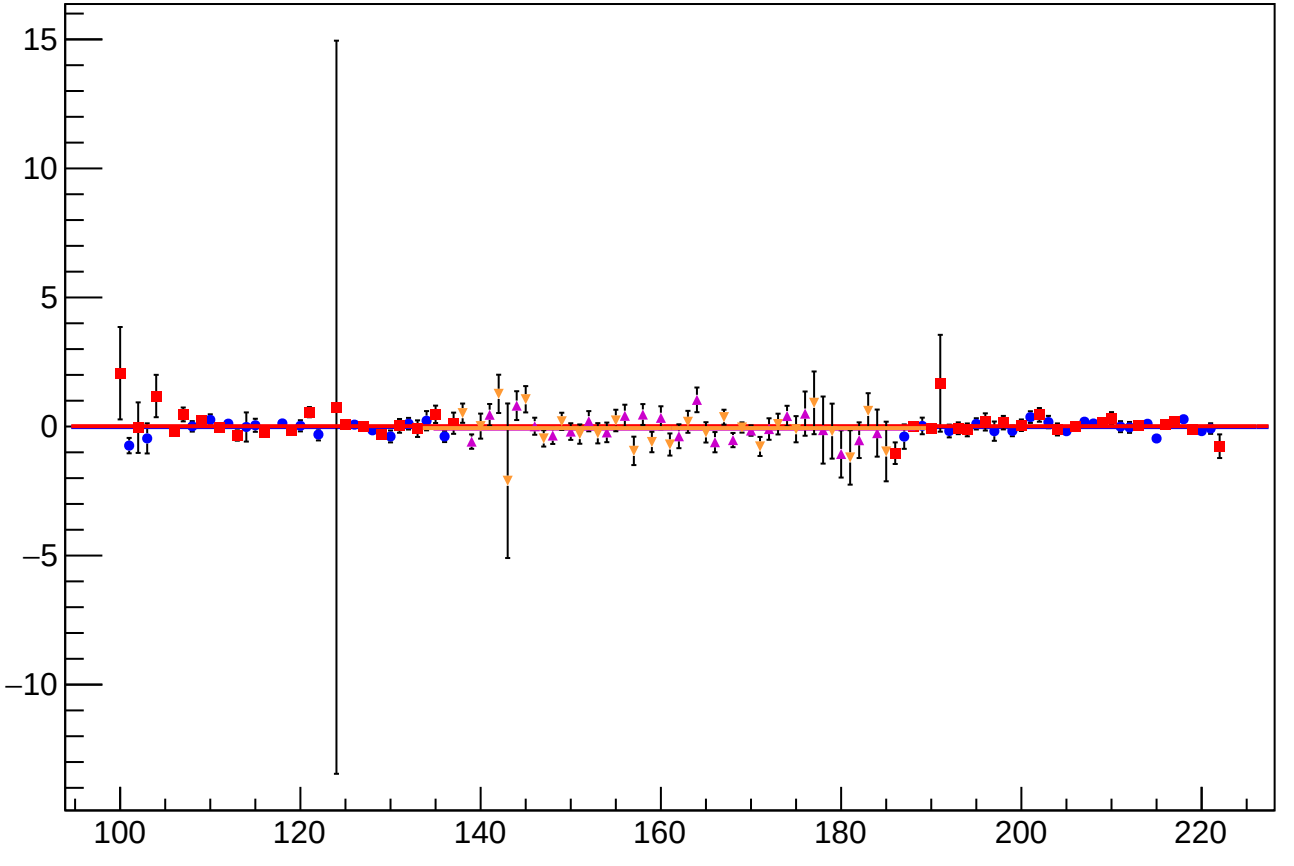
In: 0.000+/-0.000 χ^2/NDF:64.4/56

Out: 0.000+/-0.000 χ^2/NDF:59.0/62

All: 0.000+/-0.000 χ^2/NDF: 123.4/119


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: 9371620.8/37
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: 15352304.7/71
In: 0.000+/-0.000 χ²/NDF:11078037.0/56
Out: 0.000+/-0.000 χ²/NDF:19081028.3/62
All: 0.000+/-0.000 χ²/NDF: 34143675.2/119

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.014+/-0.033 χ^2/NDF: 48.5/37

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

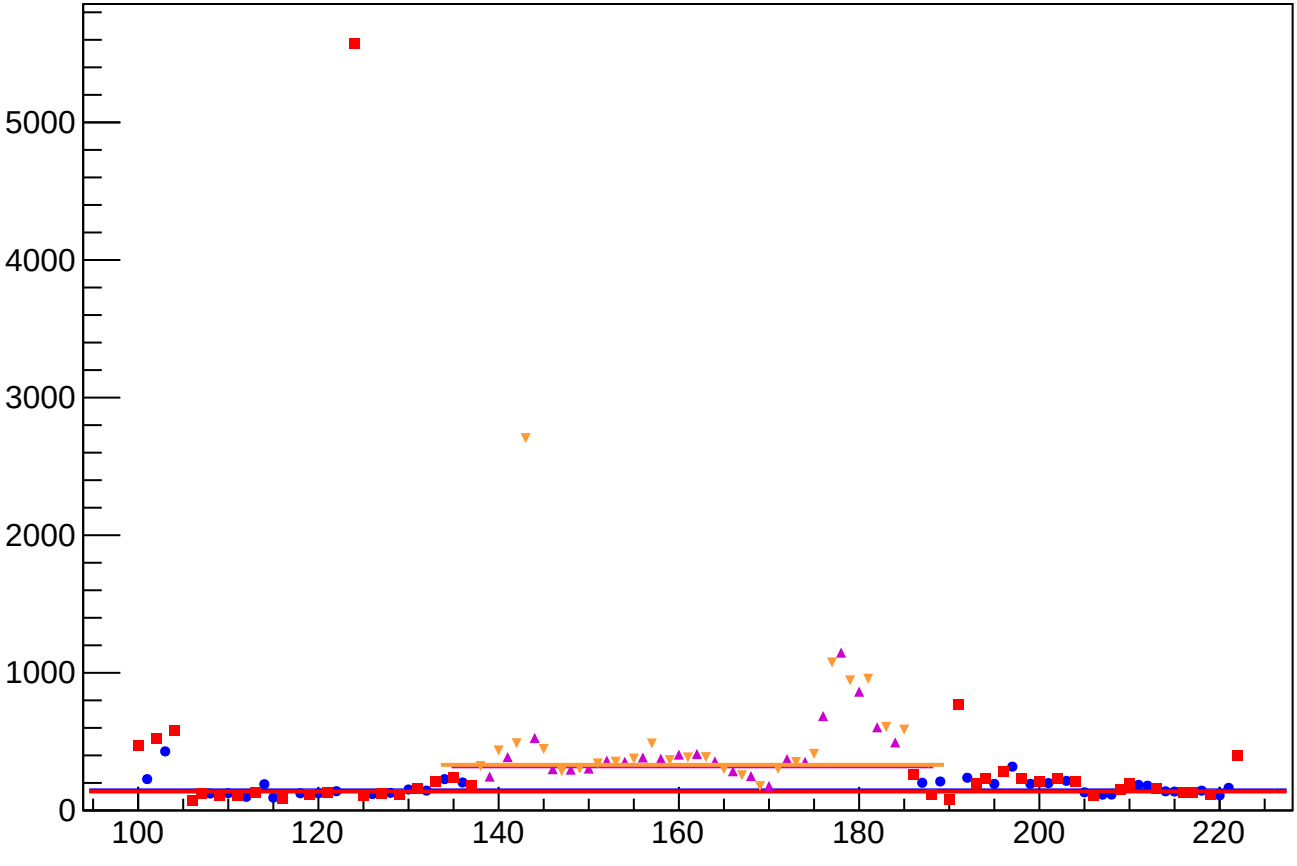
Right: -0.004+/-0.024 χ^2/NDF: 93.1/71

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.004+/-0.031 χ^2/NDF:79.9/62

All: -0.014+/-0.022 χ^2/NDF: 152.1/119

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: 137.775+/-0.023 χ^2/NDF: 5810310.4/37

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

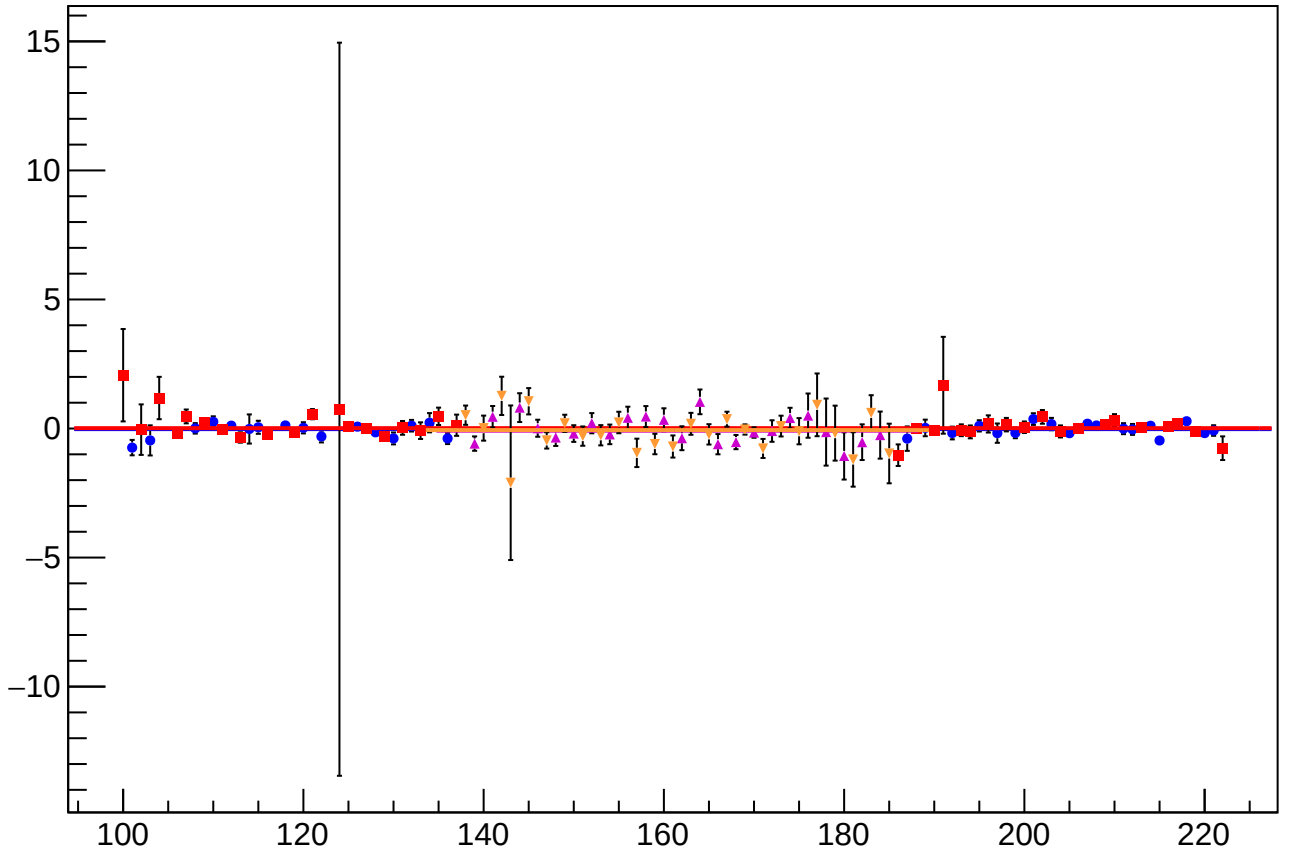
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 141.641+/-0.017 χ^2/NDF: 9035846.8/71

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 164.028+/-0.022 χ^2/NDF:20927718.5/62

All: 167.873+/-0.016 χ^2/NDF: 36324155.8/1



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: 0.014+/-0.033 χ^2/NDF: 48.5/37

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

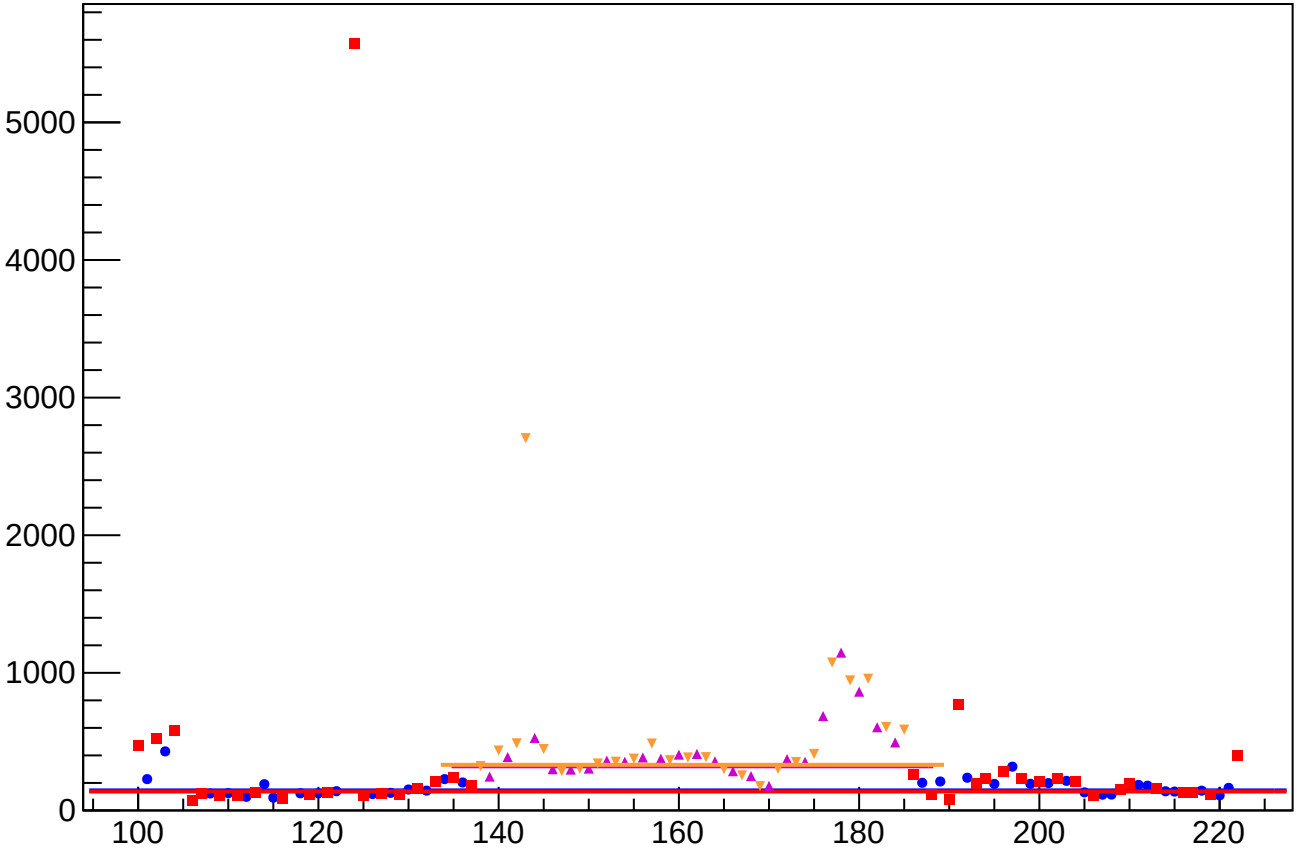
Right: -0.004+/-0.024 χ^2/NDF: 93.1/71

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.004+/-0.031 χ^2/NDF:79.9/62

All: -0.014+/-0.022 χ^2/NDF: 152.1/119

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: 137.775+/-0.023 χ^2/NDF: 5810310.4/37

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

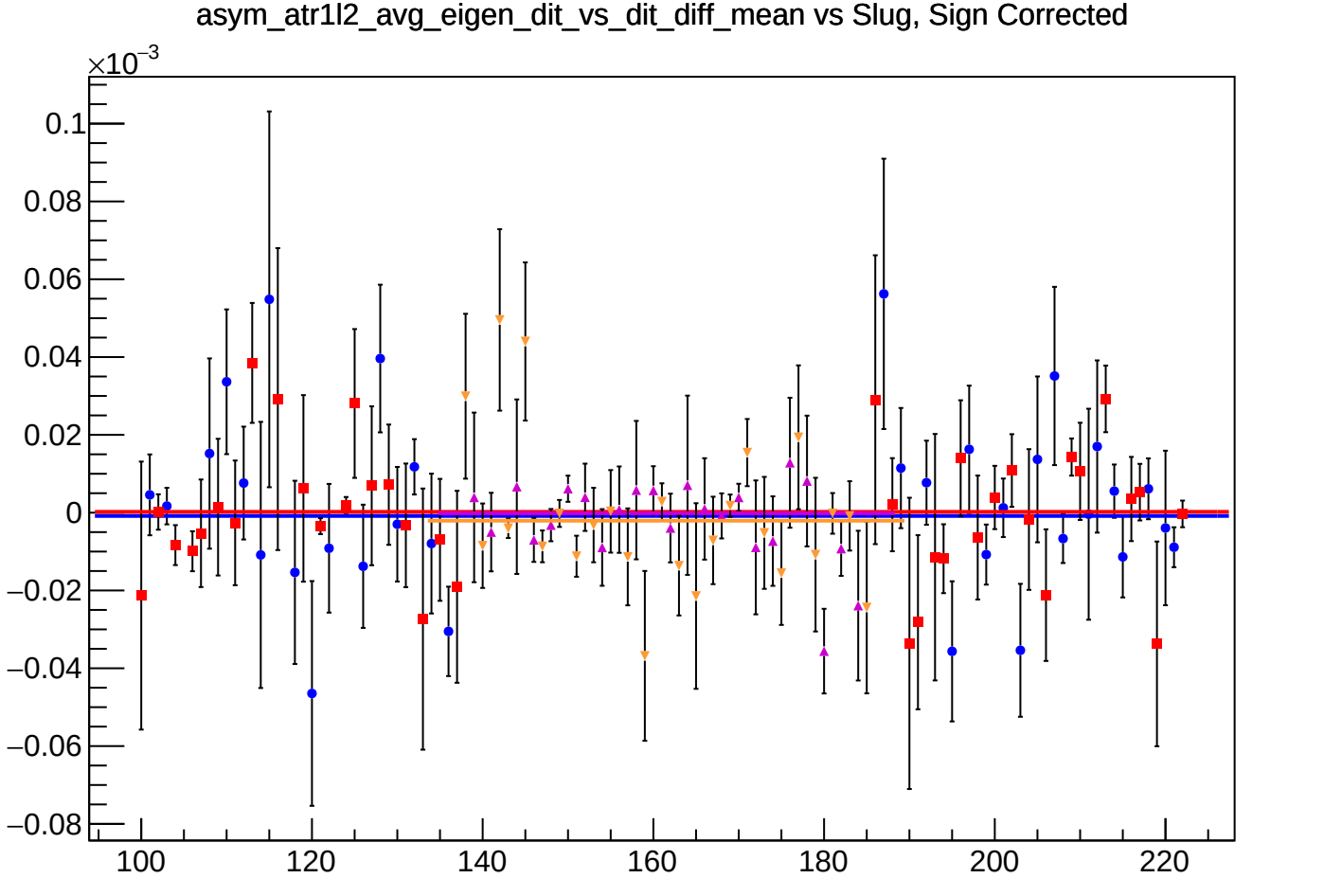
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

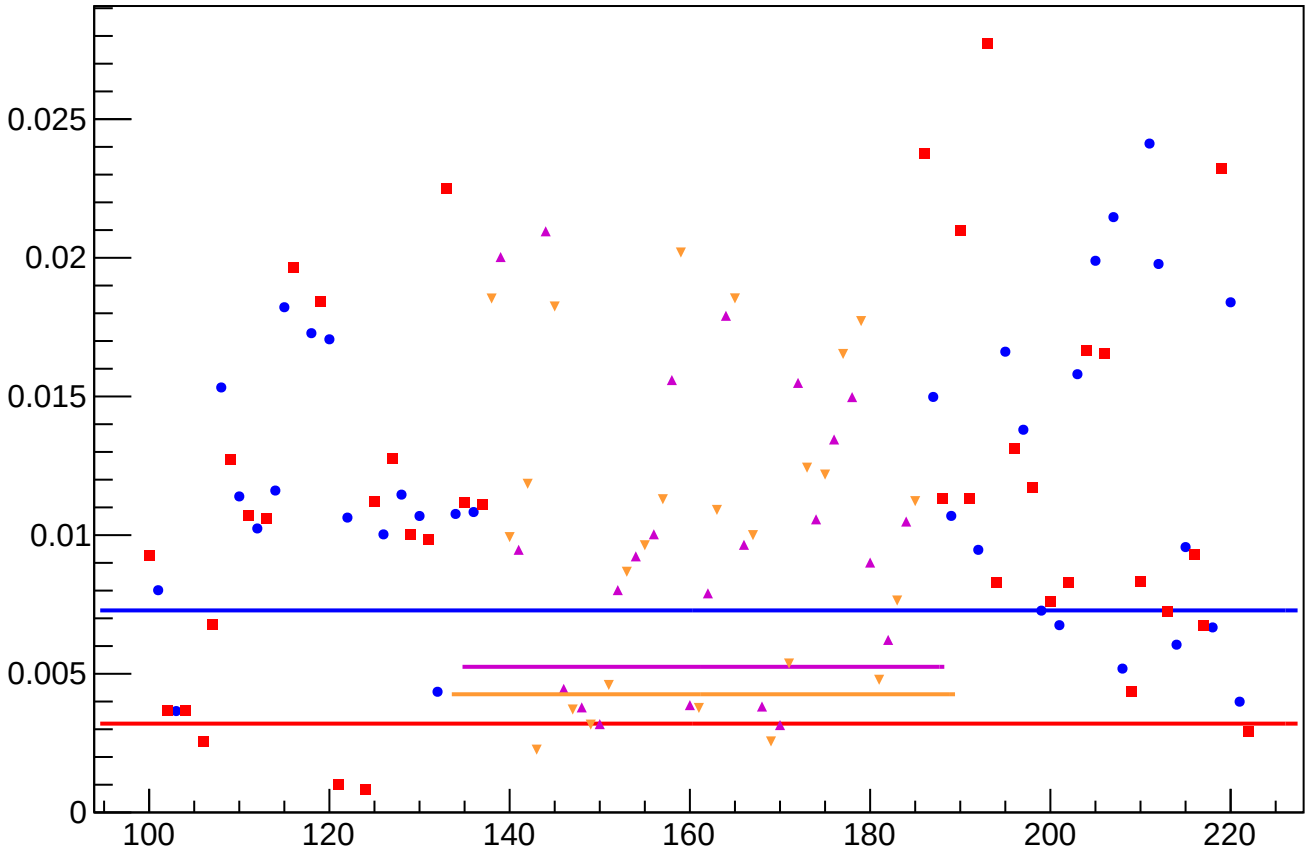
Right: 141.641+/-0.017 χ^2/NDF: 9035846.8/71

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 164.028+/-0.022 χ^2/NDF:20927718.5/62

All: 167.873+/-0.016 χ^2/NDF: 36324155.8/1


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 48.7/33
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 54.2/37
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 103.2/71
In: -0.000+/-0.000 χ²/NDF:73.7/56
Out: -0.000+/-0.000 χ²/NDF:91.0/62
All: -0.000+/-0.000 χ²/NDF: 164.7/119



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: 23025465.9/37

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

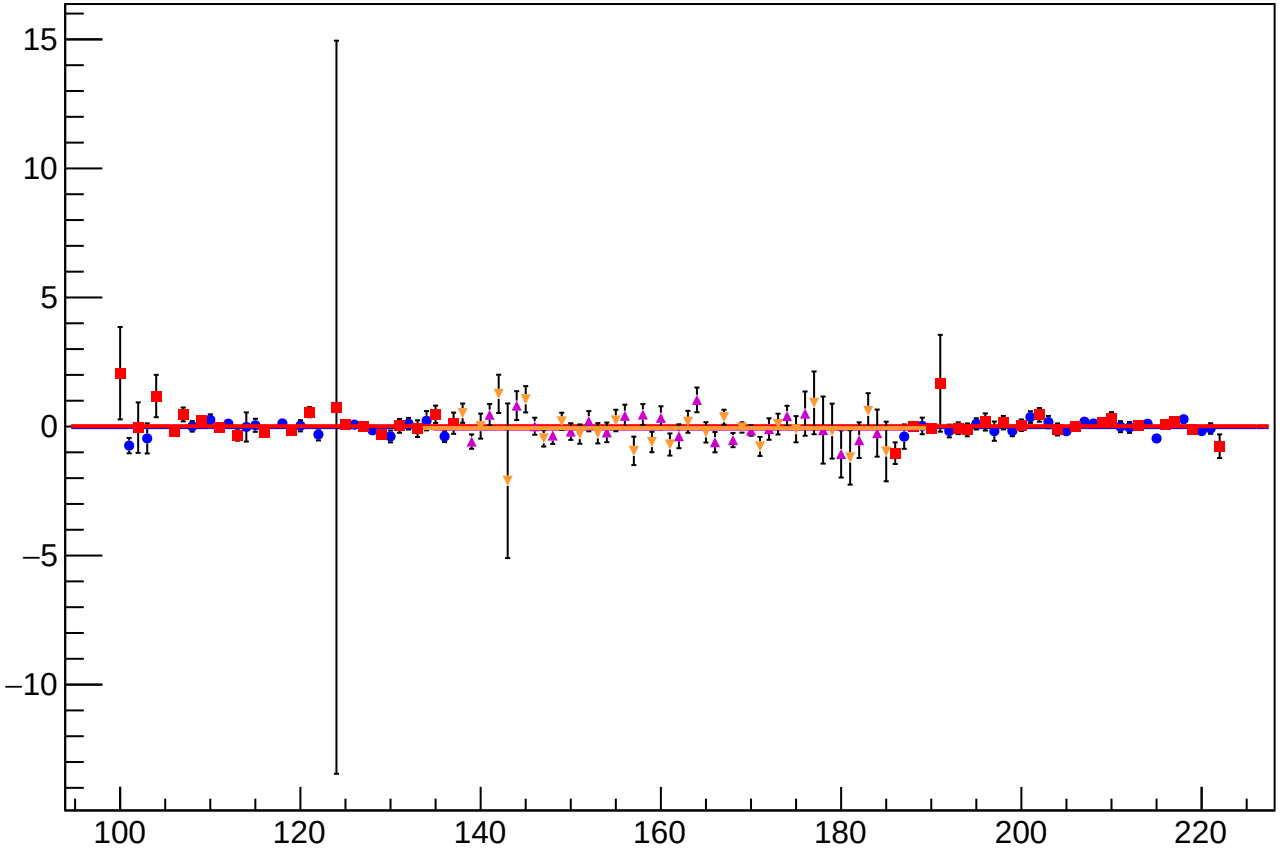
Right: 0.004+/-0.000 χ^2/NDF: 39960170.7/71

In: 0.006+/-0.000 χ^2/NDF:20605564.0/56

Out: 0.004+/-0.000 χ^2/NDF:36827416.8/62

All: 0.004+/-0.000 χ^2/NDF: 63182614.4/119

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: 0.014+/-0.033 χ^2/NDF: 48.5/37

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

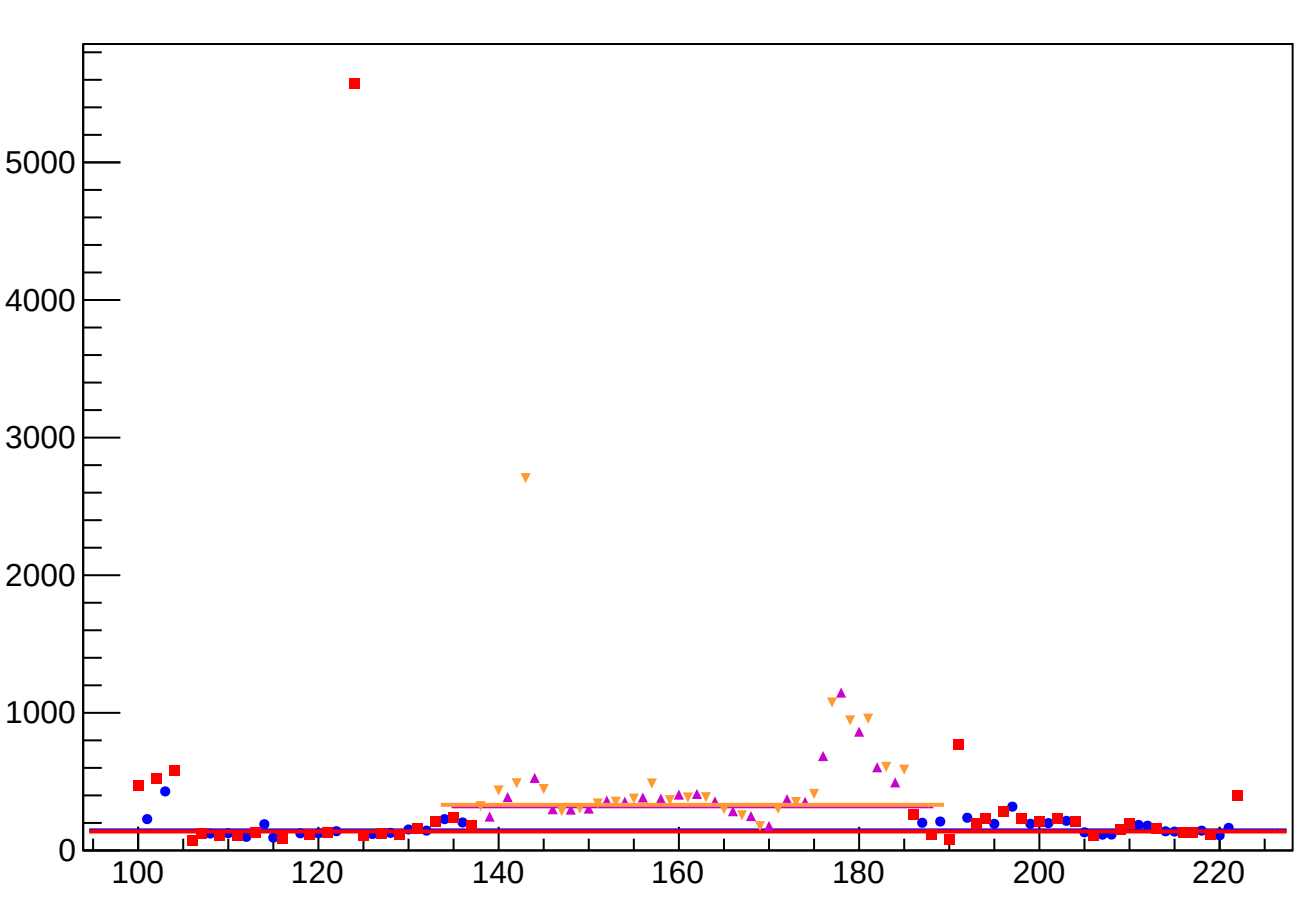
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.004+/-0.024 χ^2/NDF: 93.1/71

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.004+/-0.031 χ^2/NDF:79.9/62

All: -0.014+/-0.022 χ^2/NDF: 152.1/119



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: 137.774+/-0.023 χ^2/NDF: 5810374.0/37

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

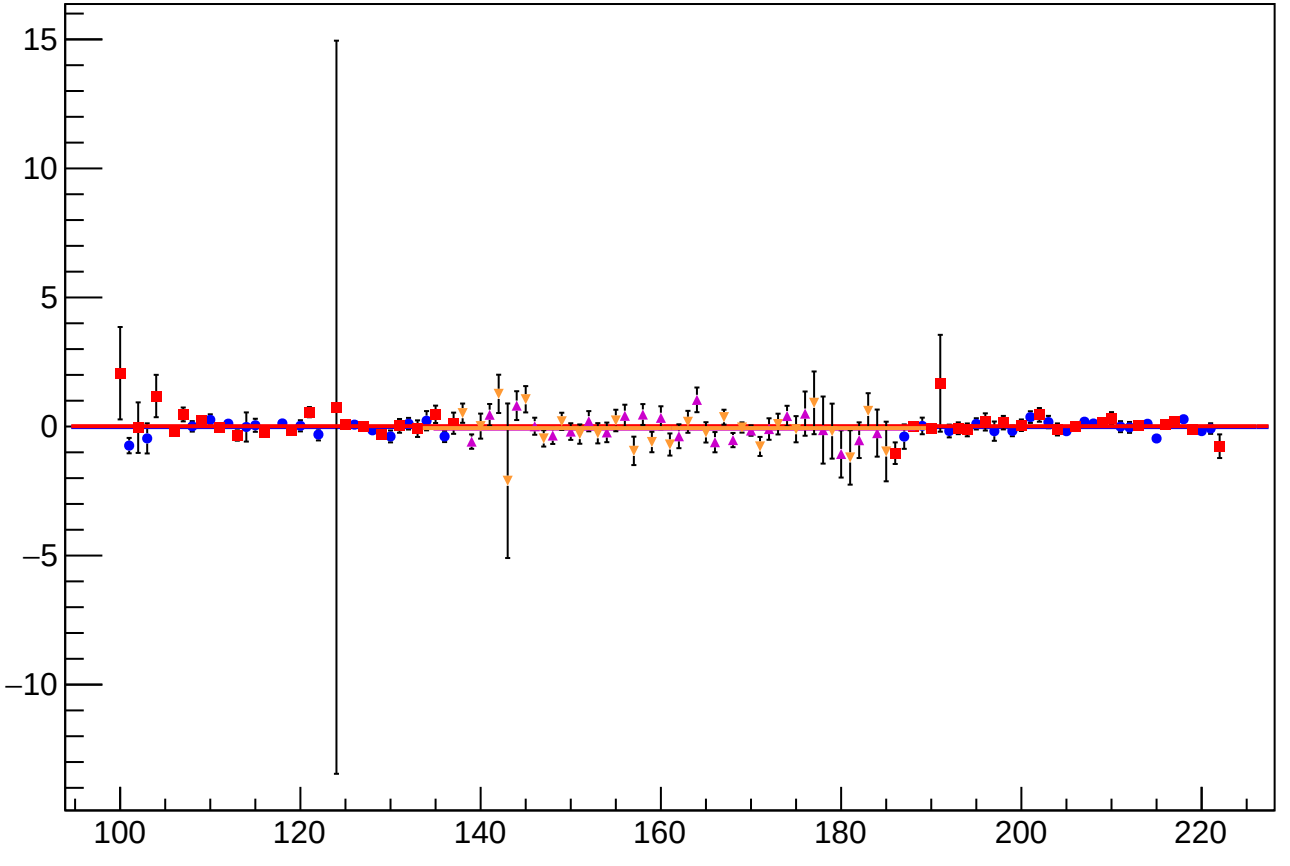
Right: 141.640+/-0.017 χ^2/NDF: 9035918.9/71

In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

Out: 164.027+/-0.022 χ^2/NDF:20928061.0/62

All: 167.872+/-0.016 χ^2/NDF: 36324692.6/11

asym_atr1l2_avg_eigen_dit_vs_eigen_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: 0.014+/-0.033 χ^2/NDF: 48.5/37

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

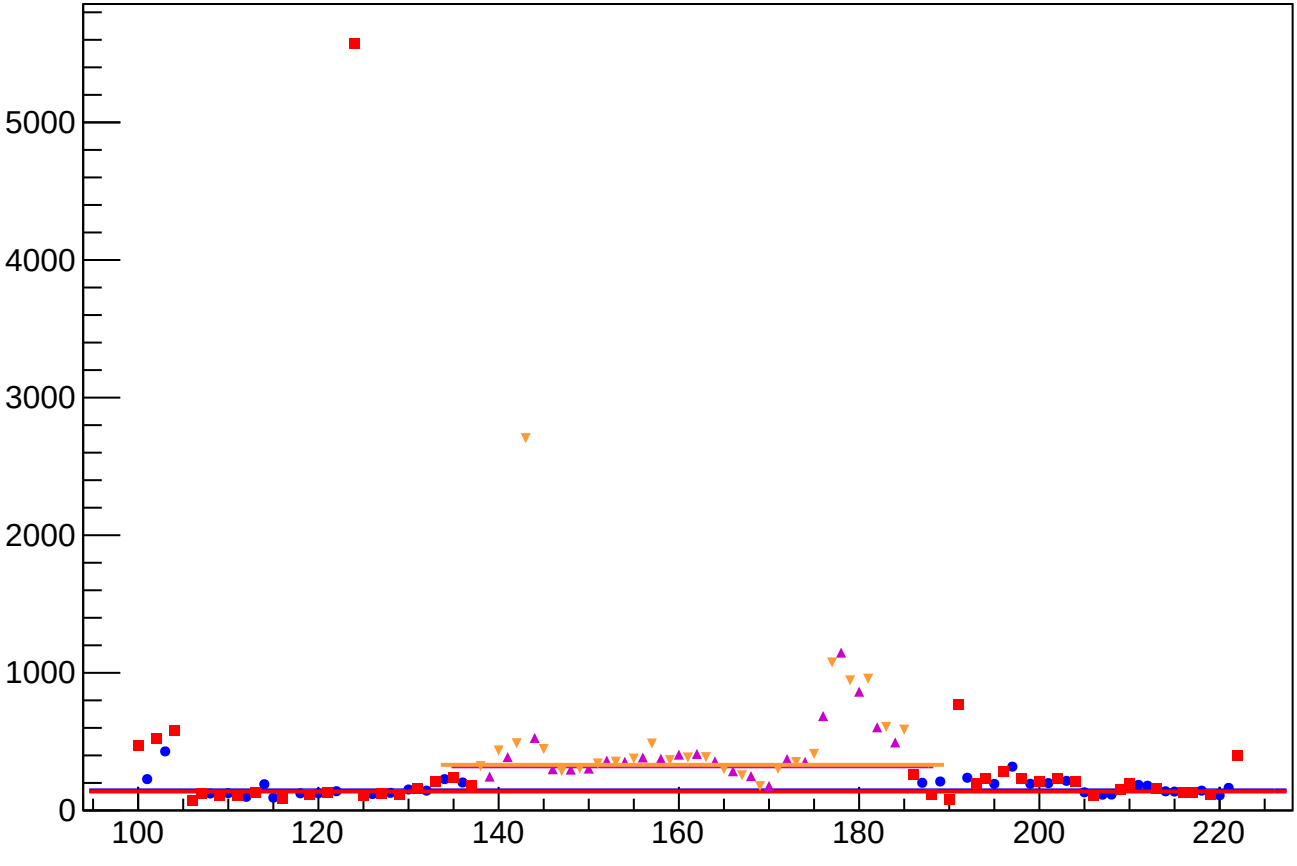
Right: -0.004+/-0.024 χ^2/NDF: 93.1/71

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.004+/-0.031 χ^2/NDF:79.9/62

All: -0.014+/-0.022 χ^2/NDF: 152.1/119

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: 137.774+/-0.023 χ^2/NDF: 5810374.0/37

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

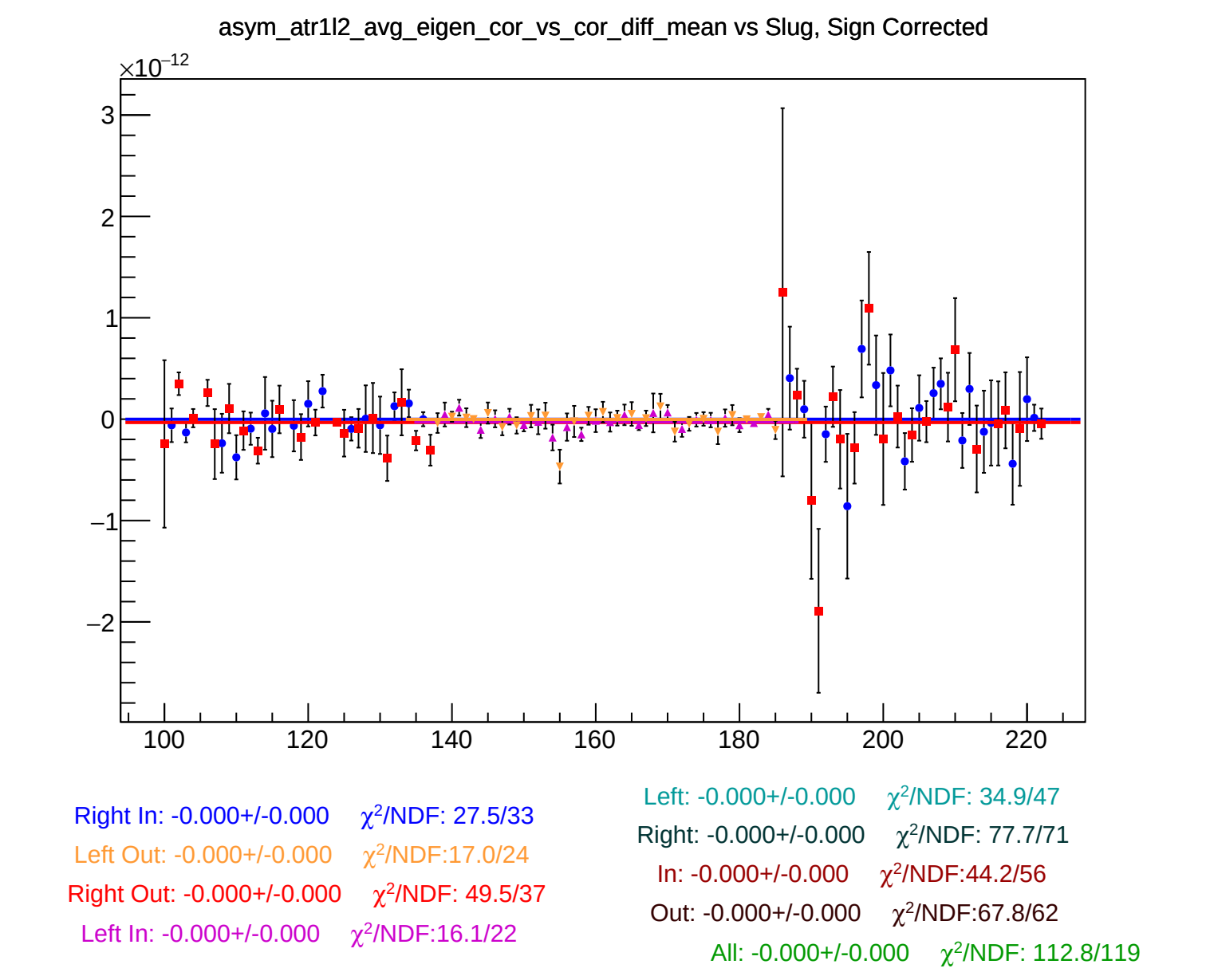
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

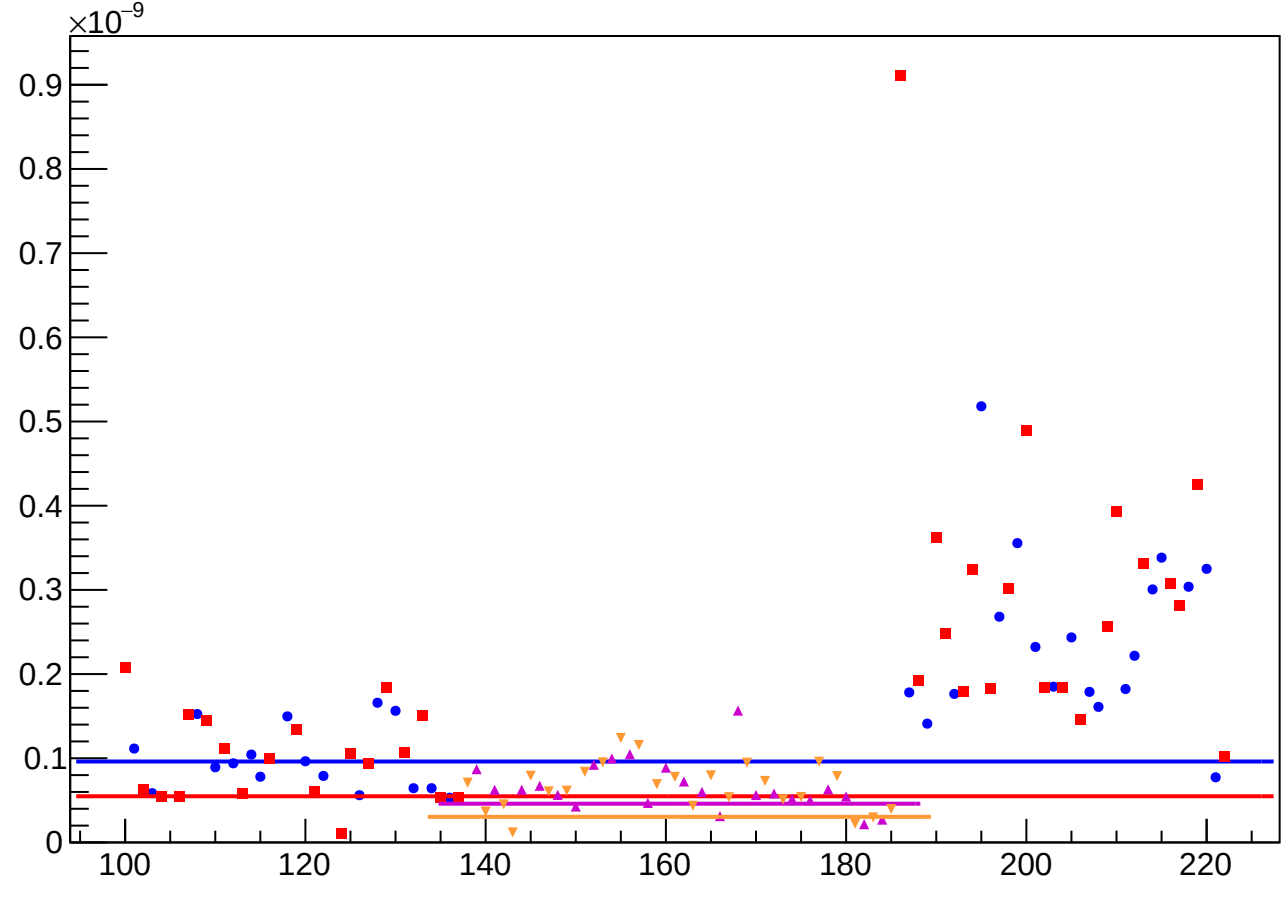
Right: 141.640+/-0.017 χ^2/NDF: 9035918.9/71

In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

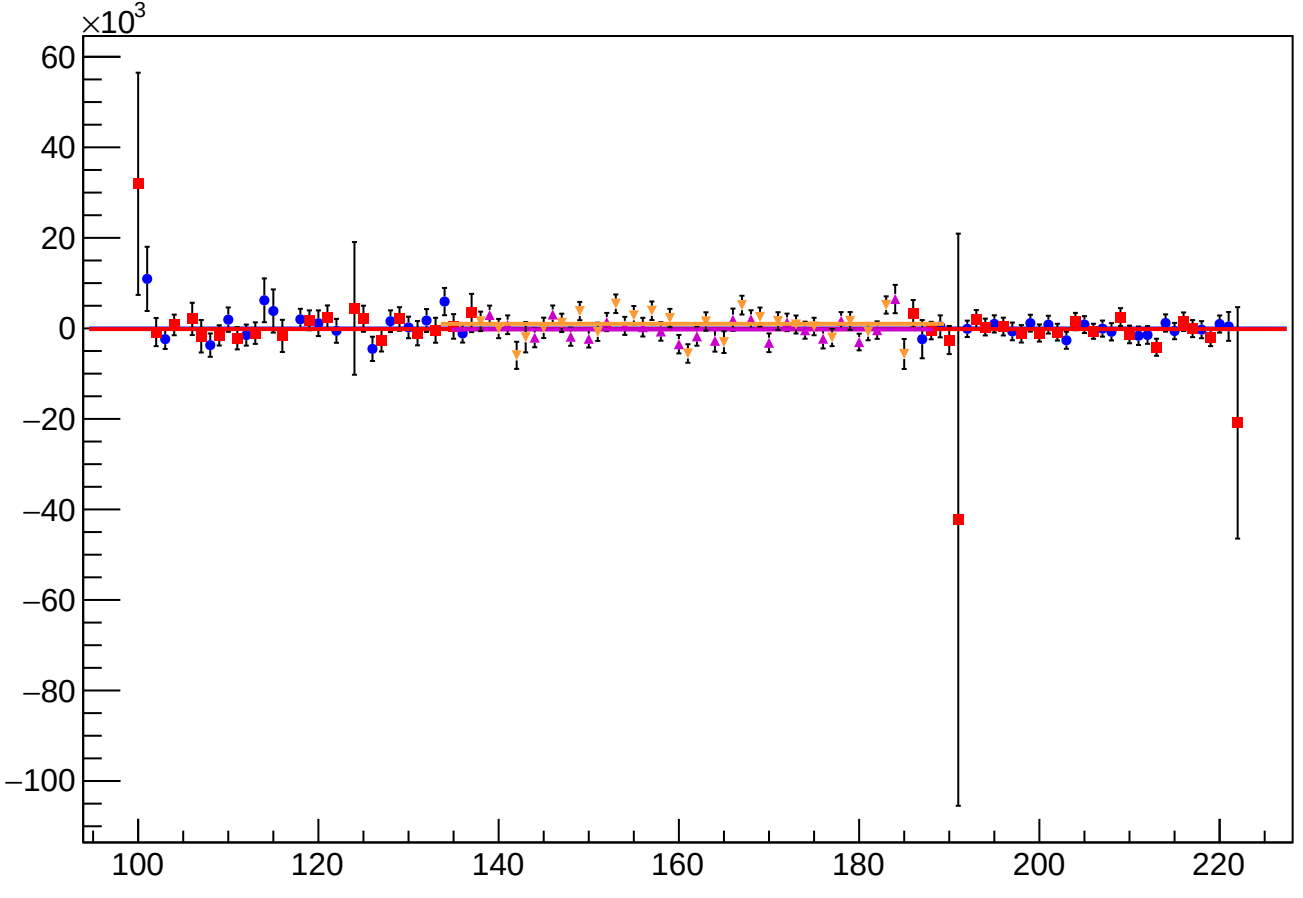
Out: 164.027+/-0.022 χ^2/NDF:20928061.0/62

All: 167.872+/-0.016 χ^2/NDF: 36324692.6/11


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: 49.5/37
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: 77.7/71
In: -0.000+/-0.000 χ²/NDF:44.2/56
Out: -0.000+/-0.000 χ²/NDF:67.8/62
All: -0.000+/-0.000 χ²/NDF: 112.8/119


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: 15246553.8/37
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: 25095185.8/71
In: 0.000+/-0.000 χ²/NDF:16597668.7/56
Out: 0.000+/-0.000 χ²/NDF:27477829.0/62
All: 0.000+/-0.000 χ²/NDF: 46924192.5/119

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: -155.680+/-387.108 χ^2/NDF: 23.1/37

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

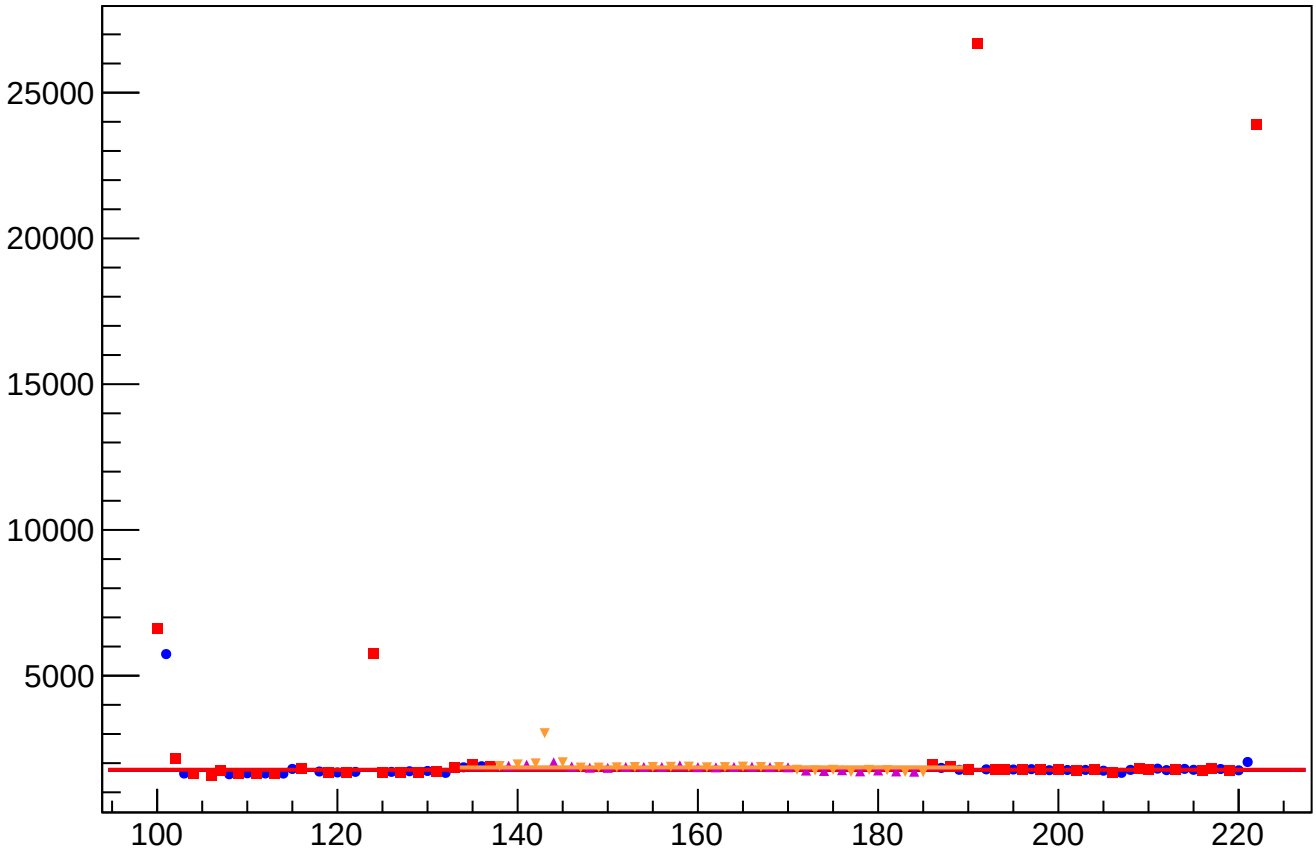
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: -93.739+/-272.783 χ^2/NDF: 46.5/71

In: -120.087+/-286.515 χ^2/NDF:49.8/56

Out: 373.525+/-285.445 χ^2/NDF:74.6/62

All: 127.642+/-202.217 χ^2/NDF: 125.9/119



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: 1772.473+/-0.273 χ^2/NDF: 2147078.8/37

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

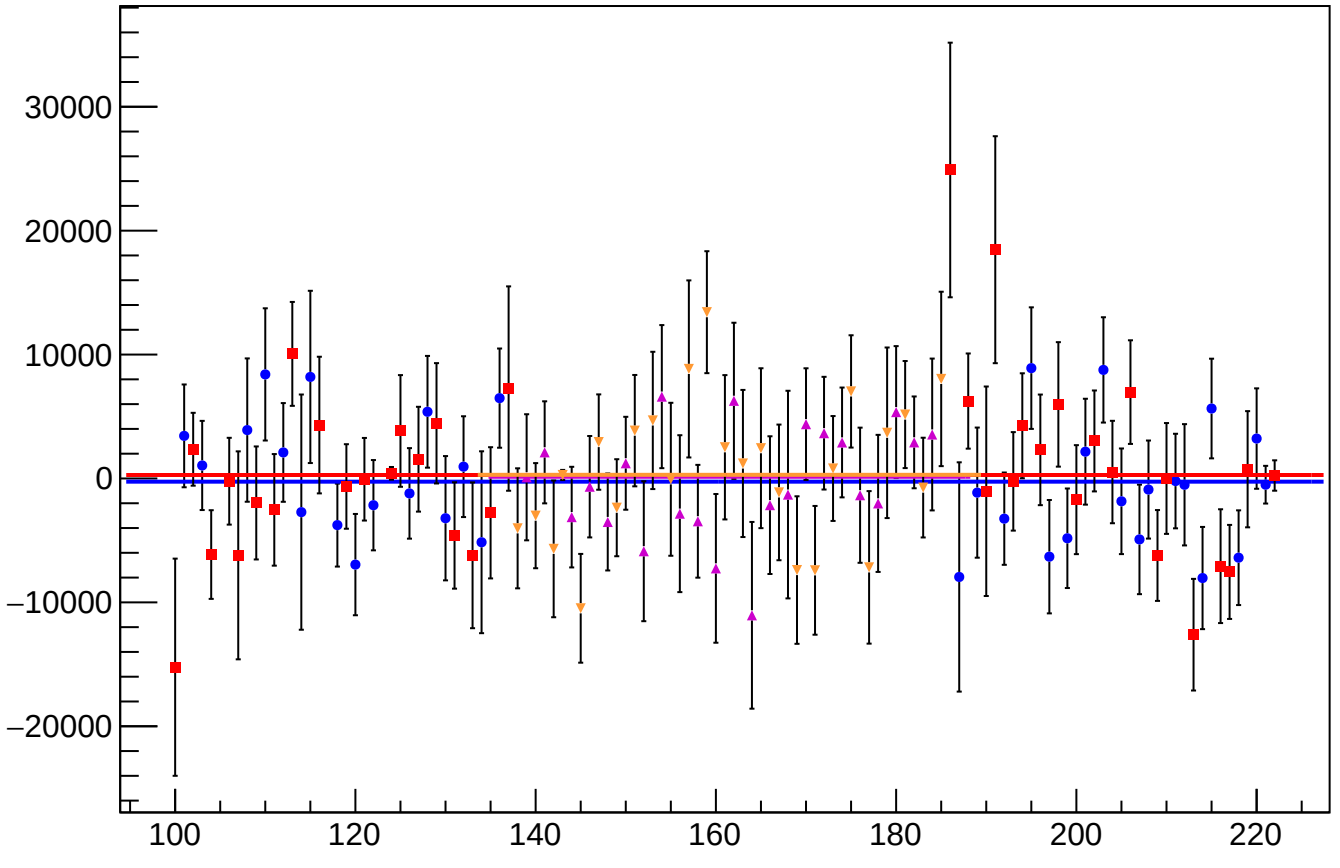
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1769.406+/-0.193 χ^2/NDF: 2843263.6/71

In: 1798.449+/-0.203 χ^2/NDF:795738.8/56

Out: 1808.900+/-0.202 χ^2/NDF:2507242.9/62

All: 1803.701+/-0.143 χ^2/NDF: 3304318.9/11



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: 279.783+/-398.121 χ^2/NDF: 55.1/37

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

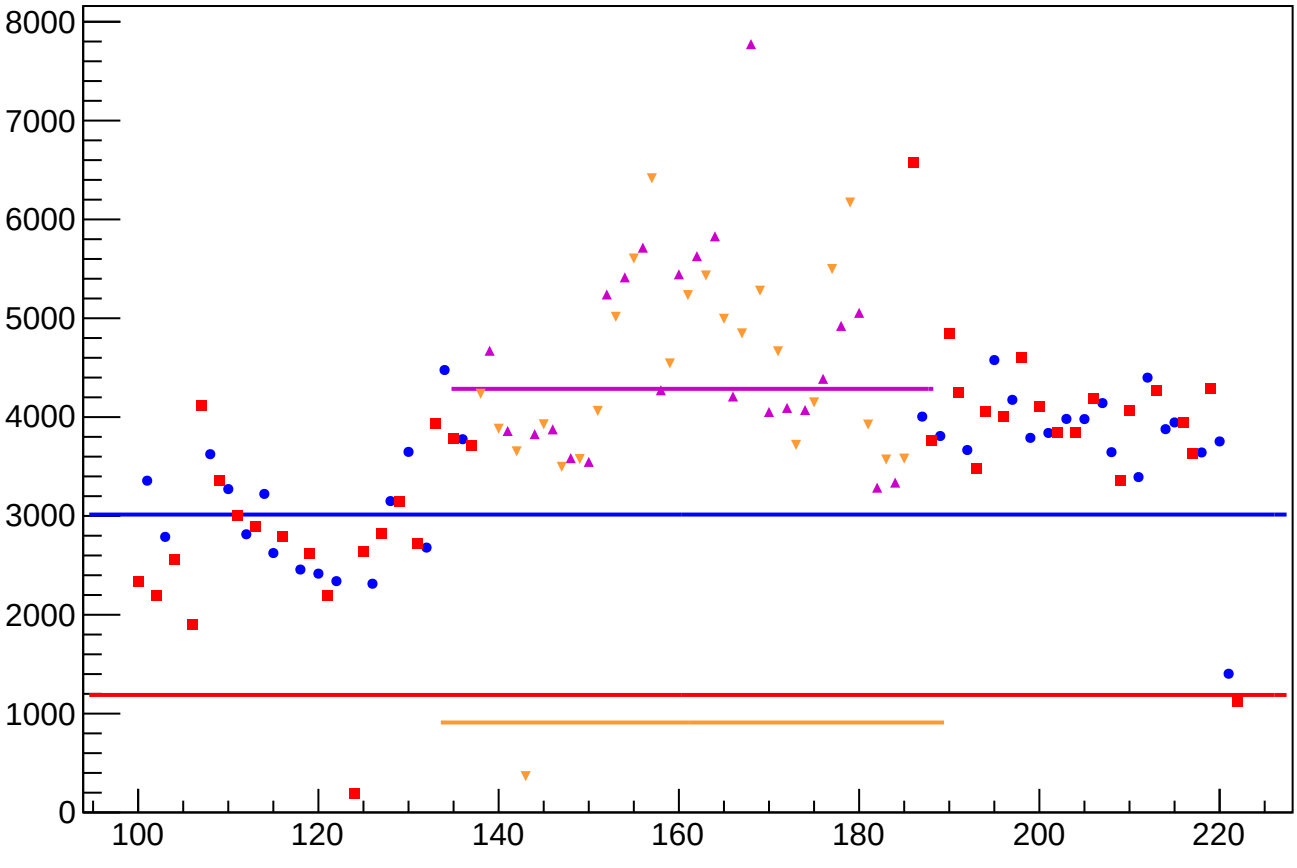
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 142.255+/-343.451 χ^2/NDF: 94.0/71

In: -136.682+/-565.771 χ^2/NDF:52.4/56

Out: 287.437+/-274.854 χ^2/NDF:85.1/62

All: 206.455+/-247.225 χ^2/NDF: 138.0/119



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: 1188.880+/-0.282 χ^2/NDF: 26366287.2/37

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

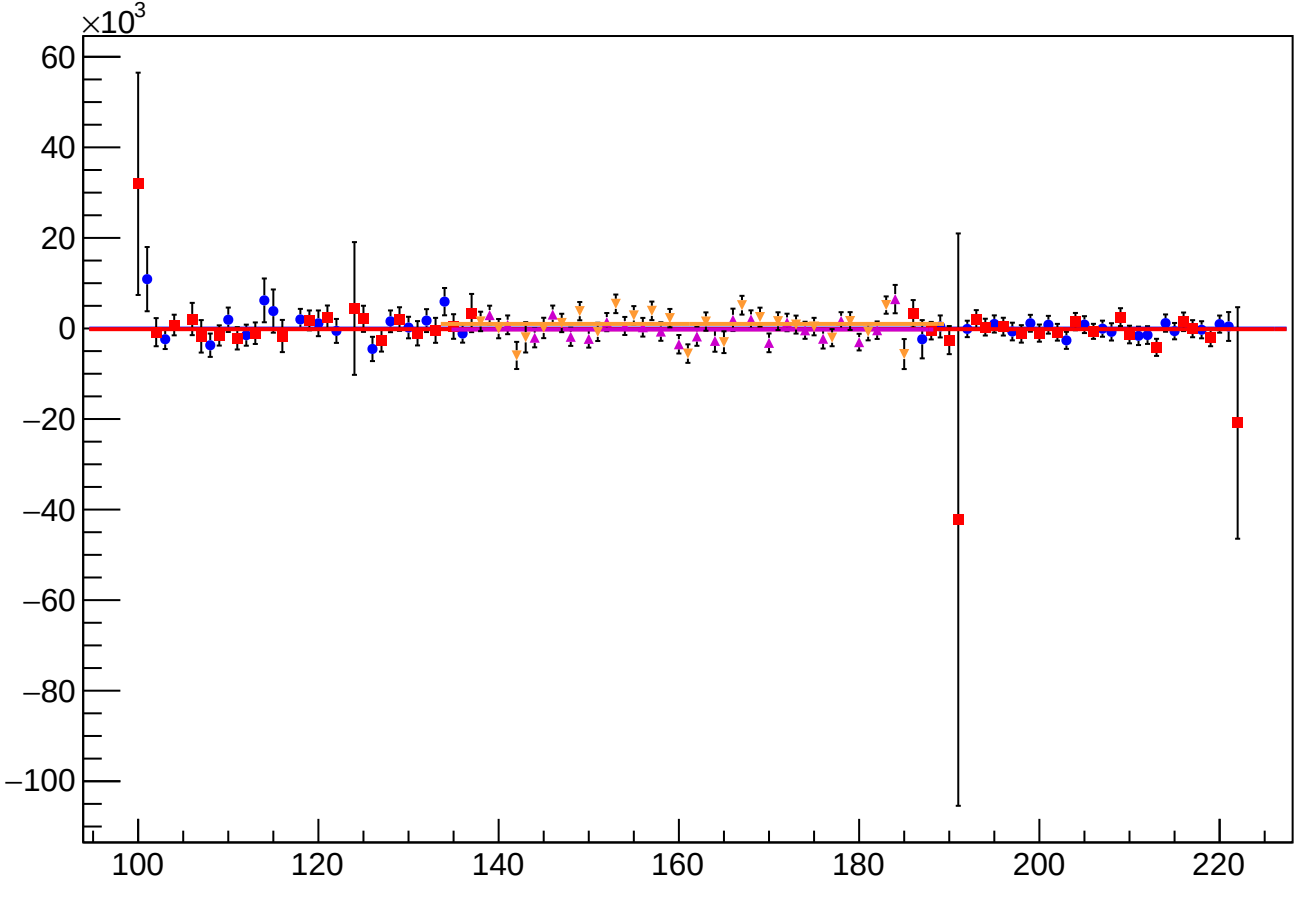
Right: 1655.710+/-0.243 χ^2/NDF: 41351969.2/71

In: 3403.048+/-0.400 χ^2/NDF:7708605.8/56

Out: 1042.991+/-0.194 χ^2/NDF:53653543.3/62

All: 1493.625+/-0.175 χ^2/NDF: 89518250.2/1

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: -155.680+/-387.108 χ^2/NDF: 23.1/37

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

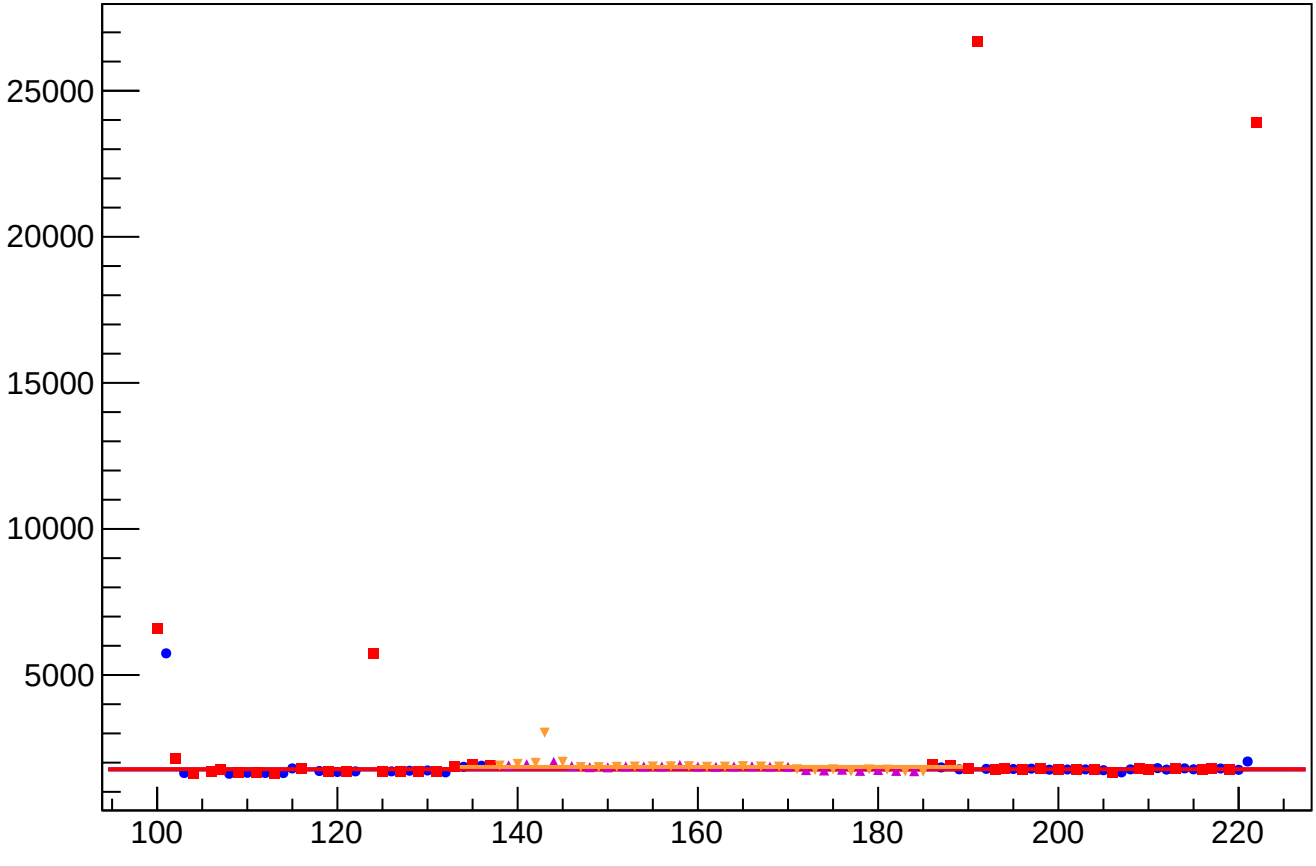
Right: -93.827+/-272.783 χ^2/NDF: 46.5/71

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 373.506+/-285.445 χ^2/NDF:74.6/62

All: 127.603+/-202.217 χ^2/NDF: 125.9/119

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: 1774.907+/-0.273 χ^2/NDF: 2138521.0/37

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

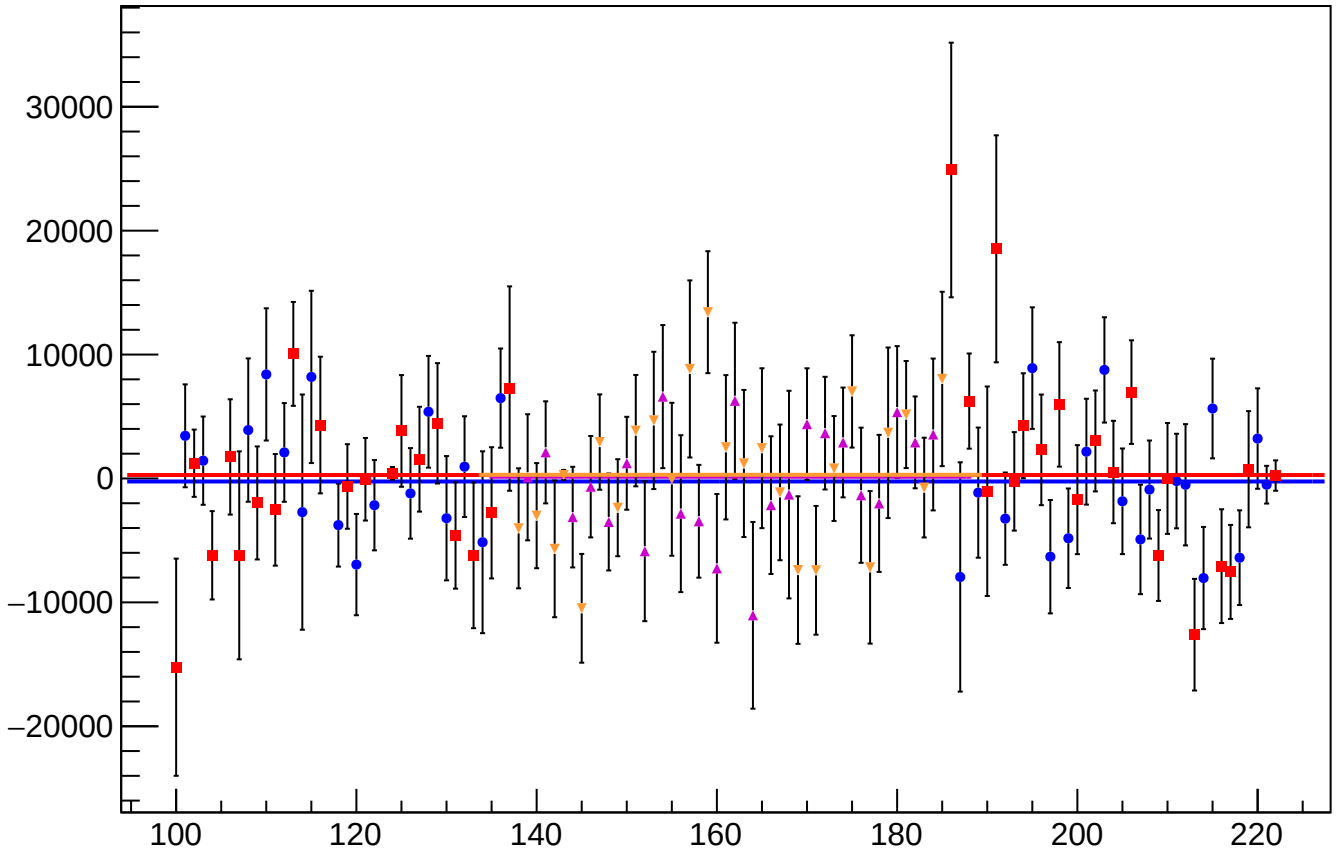
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1770.613+/-0.193 χ^2/NDF: 2834945.5/71

In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1810.276+/-0.202 χ^2/NDF:2496299.3/62

All: 1804.389+/-0.143 χ^2/NDF: 3293749.7/11



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: 277.609+/-398.727 χ^2/NDF: 54.9/37

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

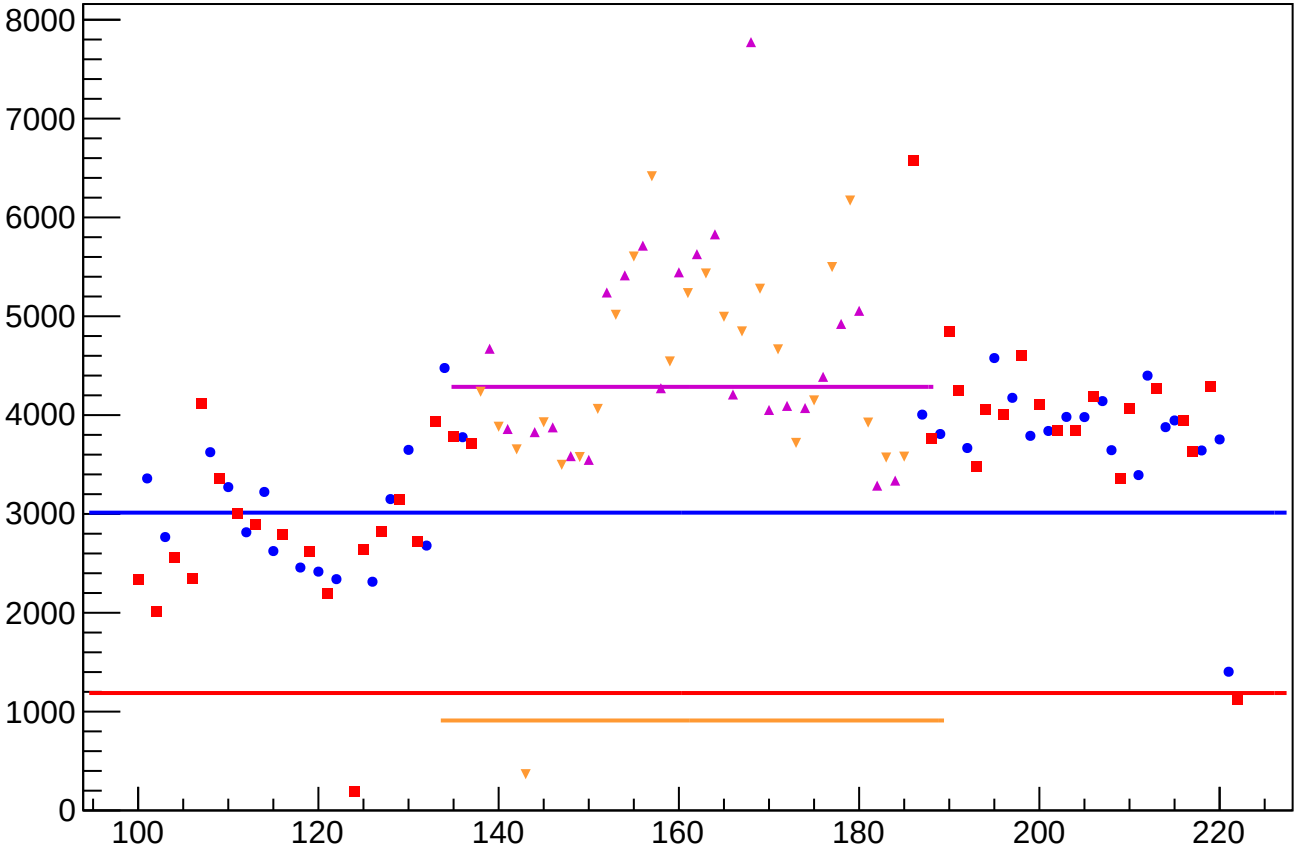
Right: 144.102+/-343.809 χ^2/NDF: 93.9/71

In: -126.351+/-565.632 χ^2/NDF:52.5/56

Out: 286.885+/-275.064 χ^2/NDF:85.0/62

All: 207.852+/-247.366 χ^2/NDF: 137.9/119

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1188.095+/-0.282 χ^2/NDF: 26342861.6/37

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

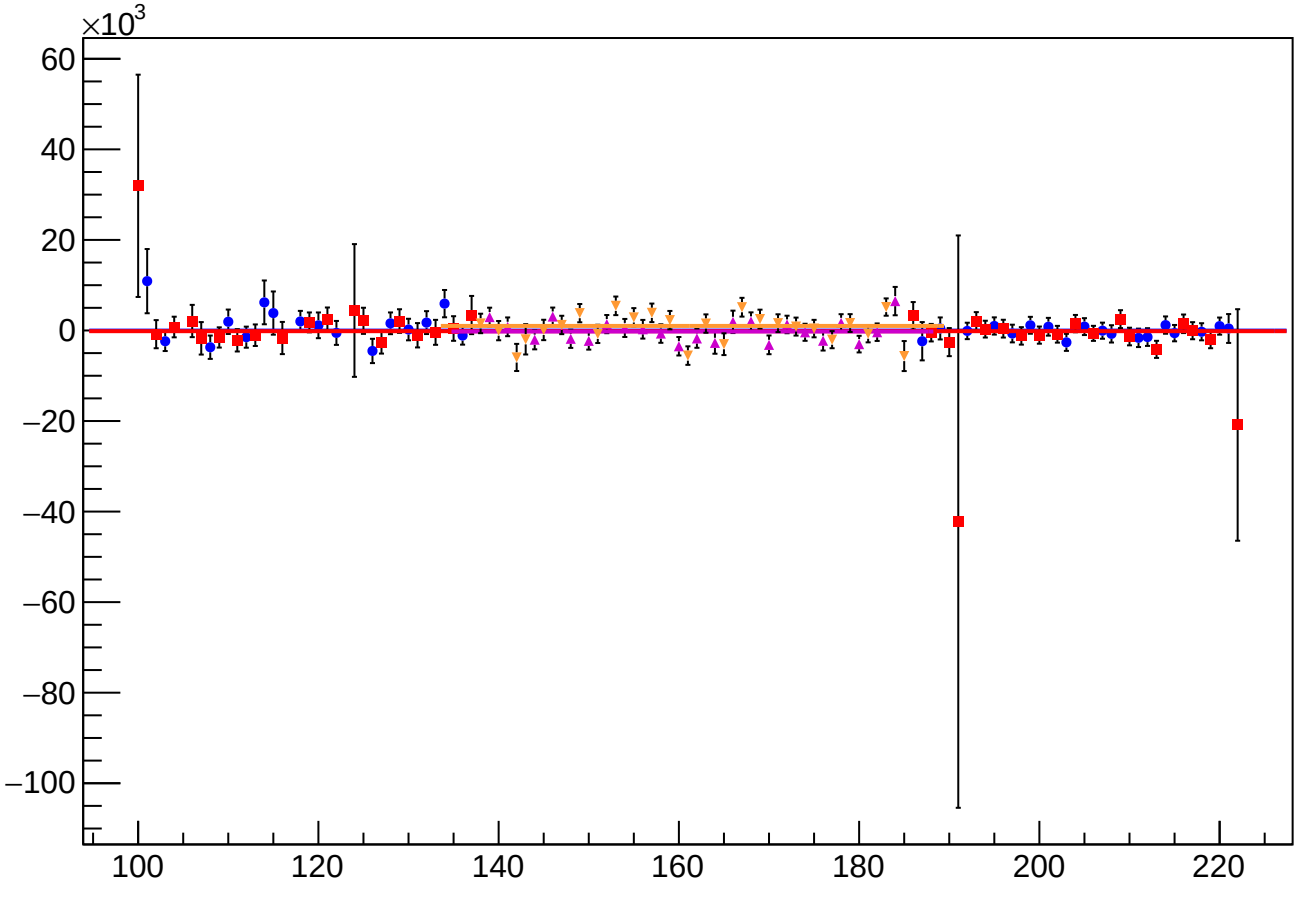
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1656.201+/-0.243 χ^2/NDF: 41326317.1/71

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1042.479+/-0.194 χ^2/NDF:53624794.8/62

All: 1493.792+/-0.175 χ^2/NDF: 89490541.1/1



Right In: -32.819+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -155.680+/-387.108 χ^2/NDF: 23.1/37

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

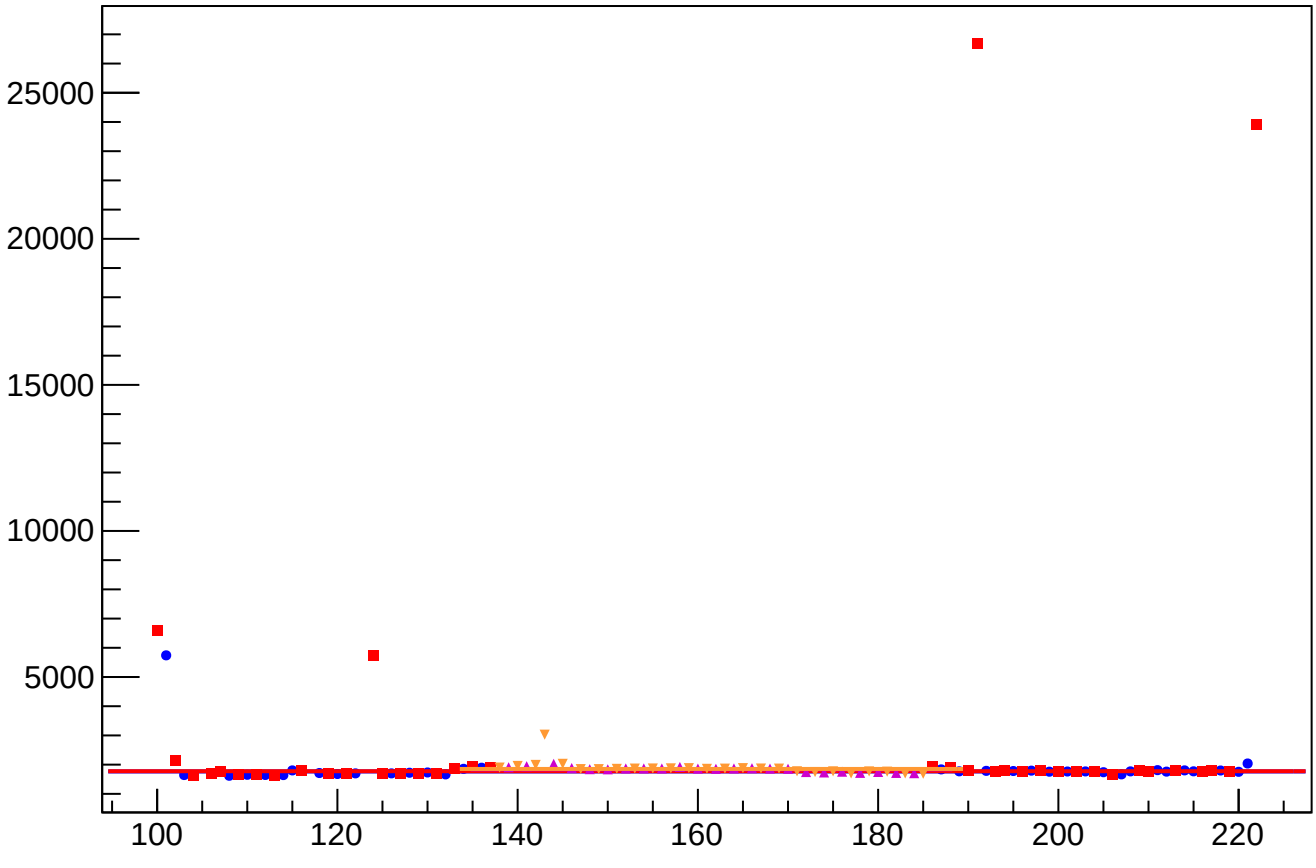
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -93.827+/-272.783 χ^2/NDF: 46.5/71

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 373.506+/-285.445 χ^2/NDF:74.6/62

All: 127.603+/-202.217 χ^2/NDF: 125.9/119



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: 1774.907+/-0.273 χ^2/NDF: 2138521.0/37

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

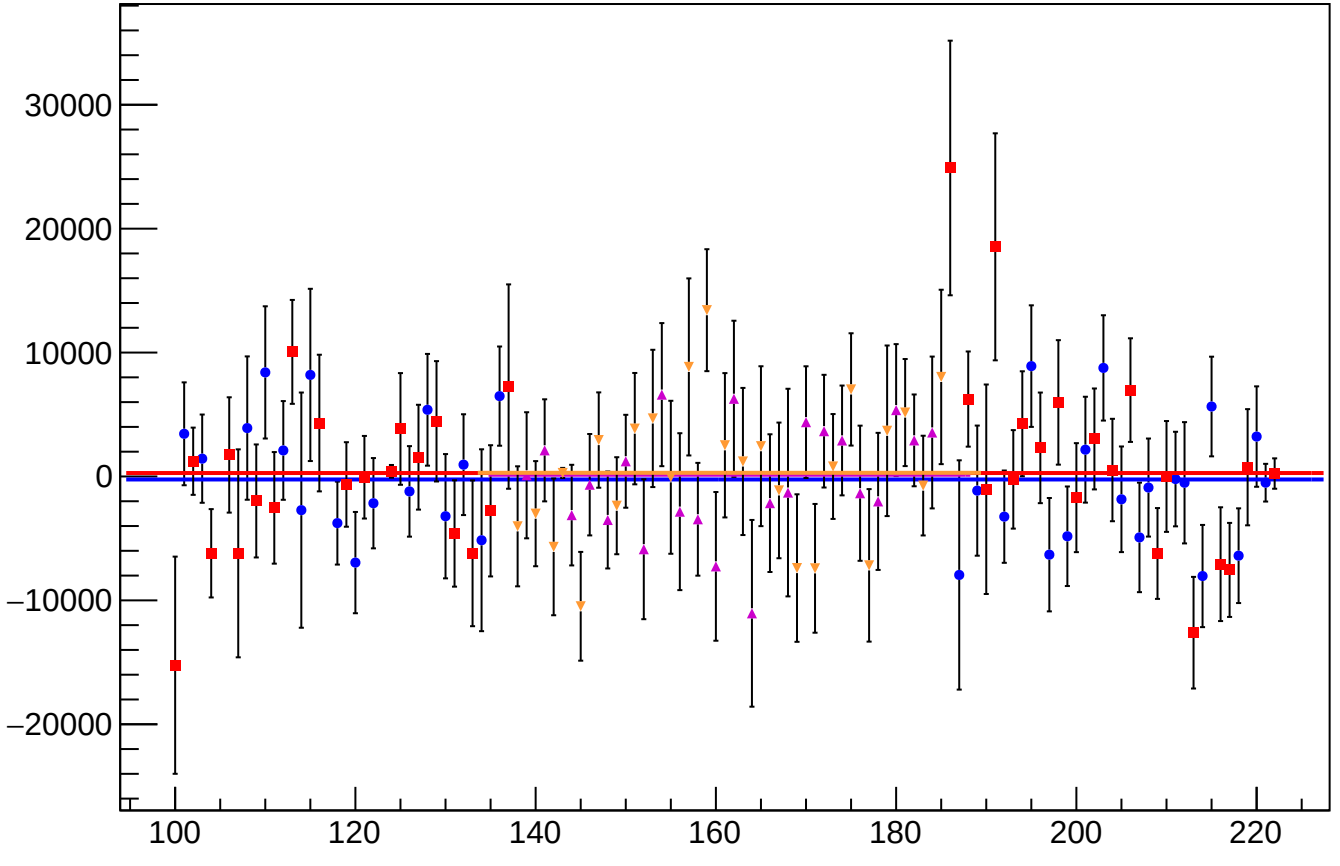
Right: 1770.613+/-0.193 χ^2/NDF: 2834945.5/71

In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1810.276+/-0.202 χ^2/NDF:2496299.3/62

All: 1804.389+/-0.143 χ^2/NDF: 3293749.7/11

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: 277.609+/-398.727 χ^2/NDF: 54.9/37

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

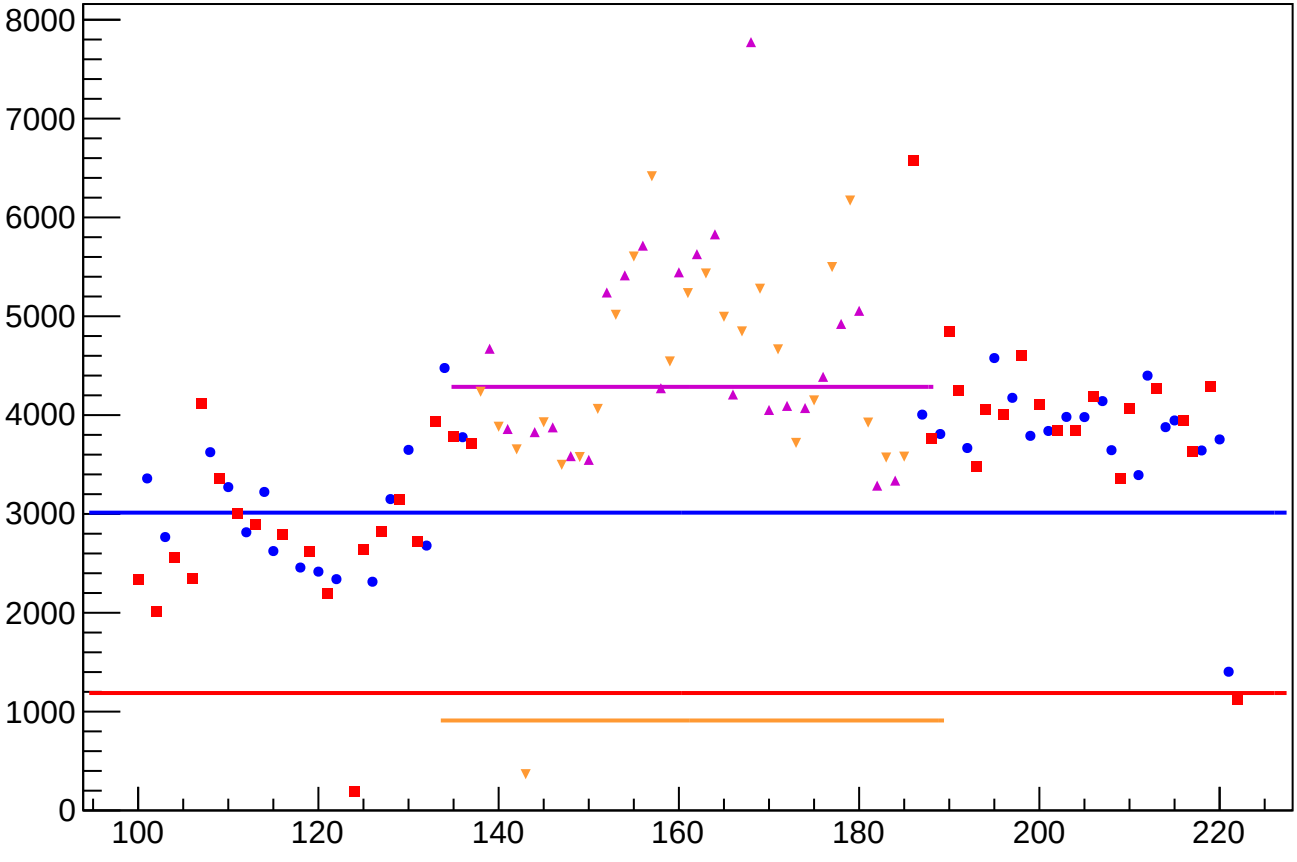
Right: 144.102+/-343.809 χ^2/NDF: 93.9/71

In: -126.351+/-565.632 χ^2/NDF:52.5/56

Out: 286.885+/-275.064 χ^2/NDF:85.0/62

All: 207.852+/-247.366 χ^2/NDF: 137.9/119

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1188.095+/-0.282 χ^2/NDF: 26342861.6/37

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

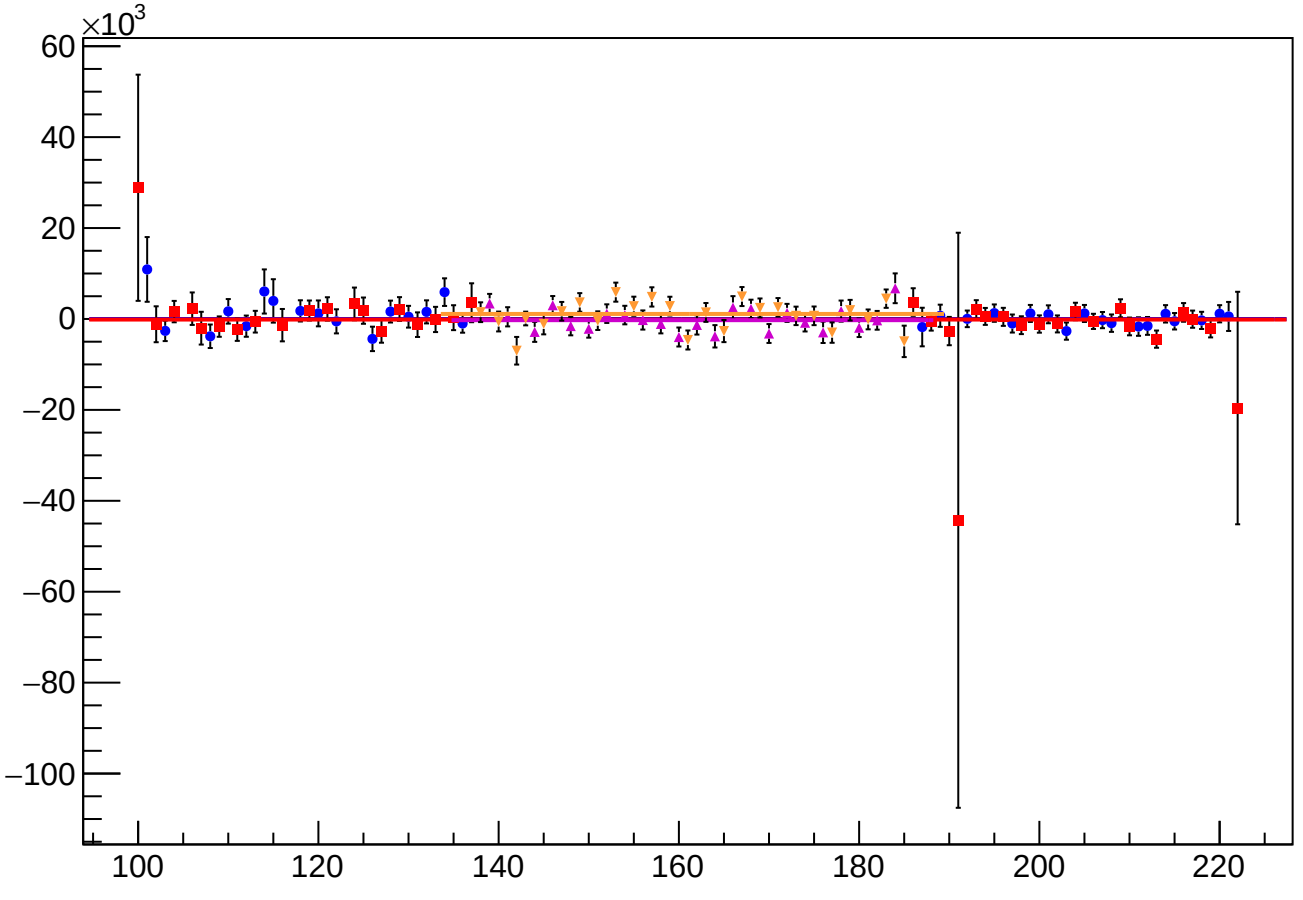
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1656.201+/-0.243 χ^2/NDF: 41326317.1/71

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1042.479+/-0.194 χ^2/NDF:53624794.8/62

All: 1493.792+/-0.175 χ^2/NDF: 89490541.1/1



Right In: -8.410+/-386.409 χ^2/NDF: 23.8/33

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -127.590+/-388.172 χ^2/NDF: 25.7/37

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

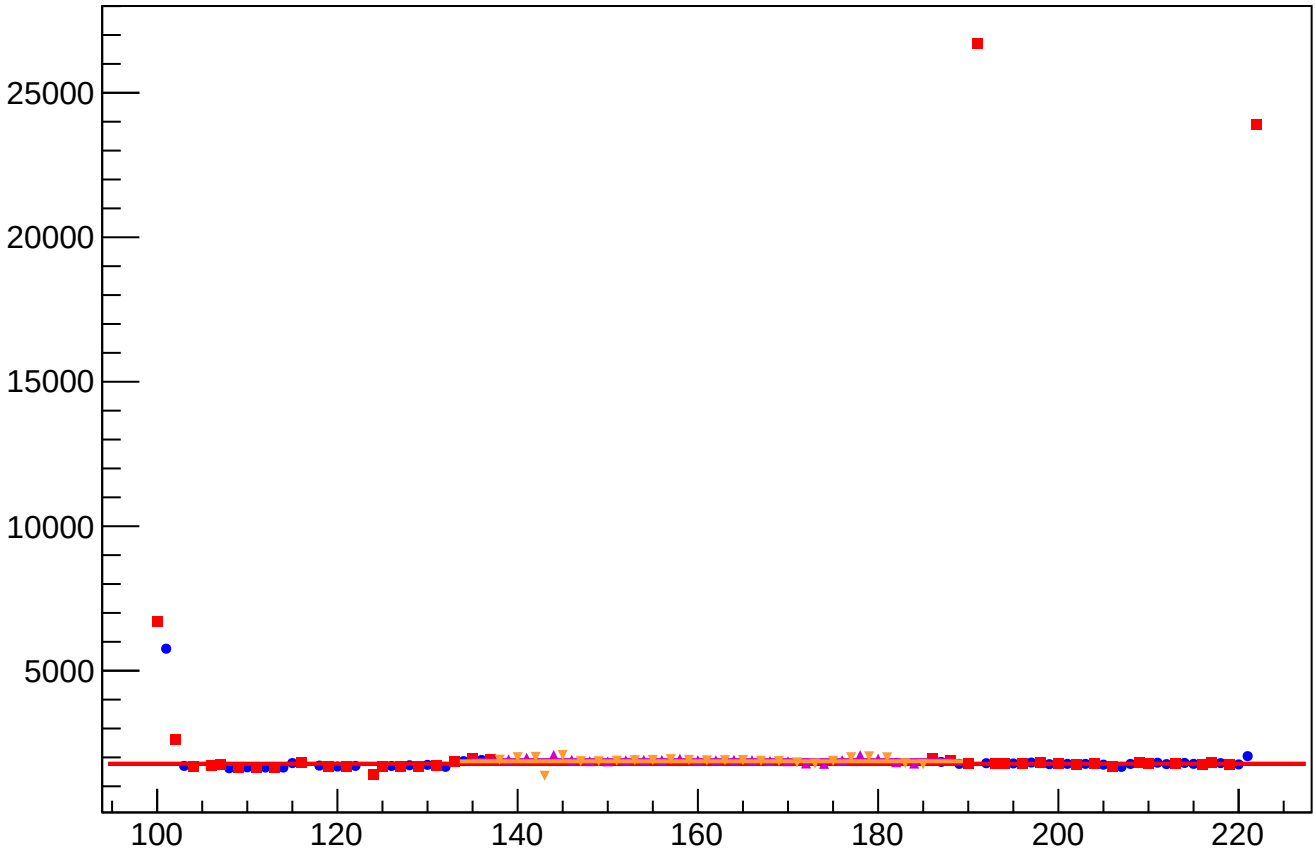
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: -67.729+/-273.853 χ^2/NDF: 49.5/71

In: -118.444+/-291.863 χ^2/NDF:51.6/56

Out: 431.767+/-286.714 χ^2/NDF:75.1/62

All: 161.557+/-204.534 χ^2/NDF: 128.5/119



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: 1779.804+/-0.274 χ^2/NDF: 2069656.1/37

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

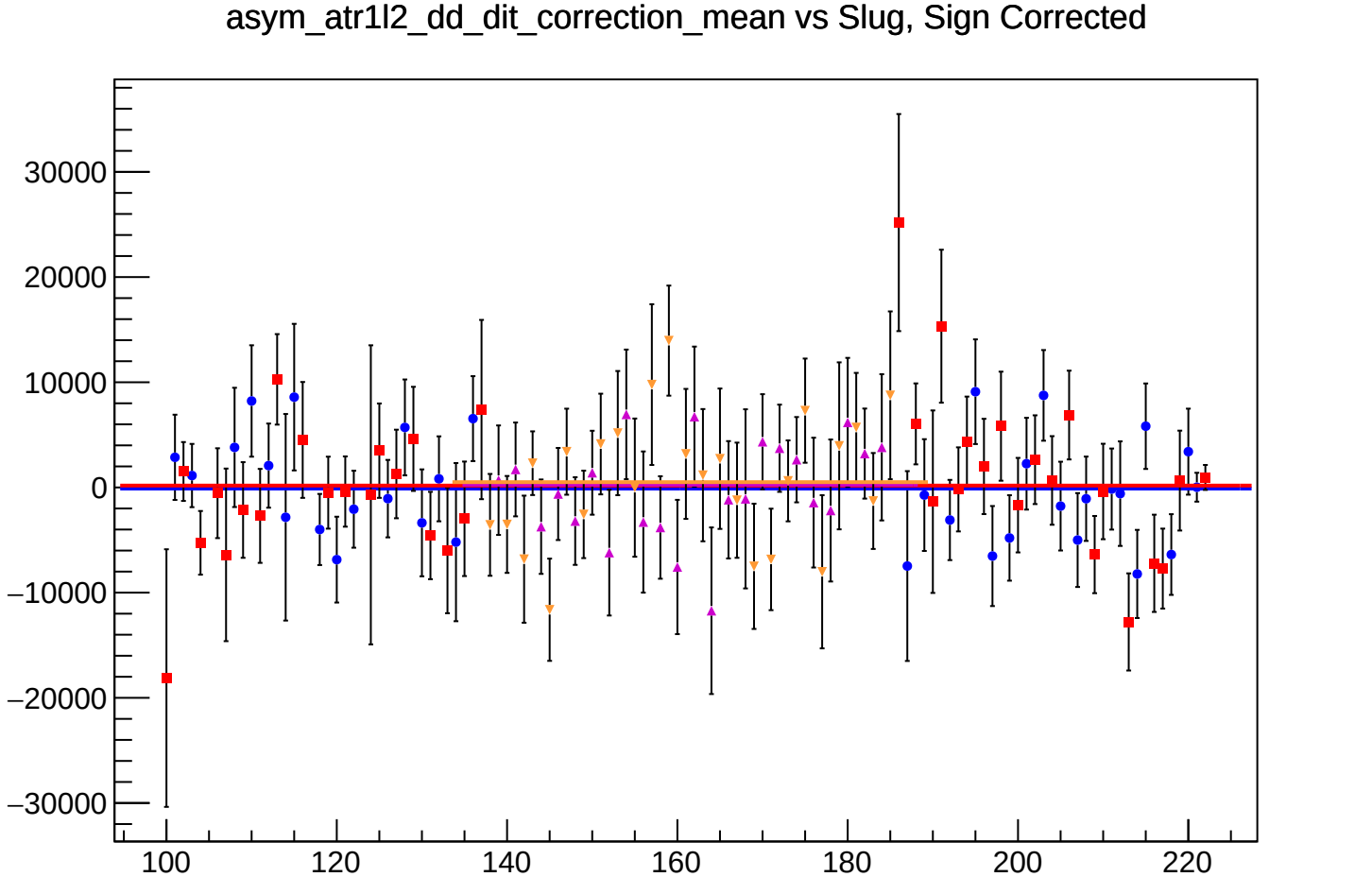
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1777.584+/-0.194 χ^2/NDF: 2763625.4/71

In: 1831.320+/-0.206 χ^2/NDF:844215.1/56

Out: 1818.404+/-0.203 χ^2/NDF:2408026.3/62

All: 1824.743+/-0.145 χ^2/NDF: 3254235.5/11



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: 177.779+/-628.652 χ^2/NDF: 54.4/37

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

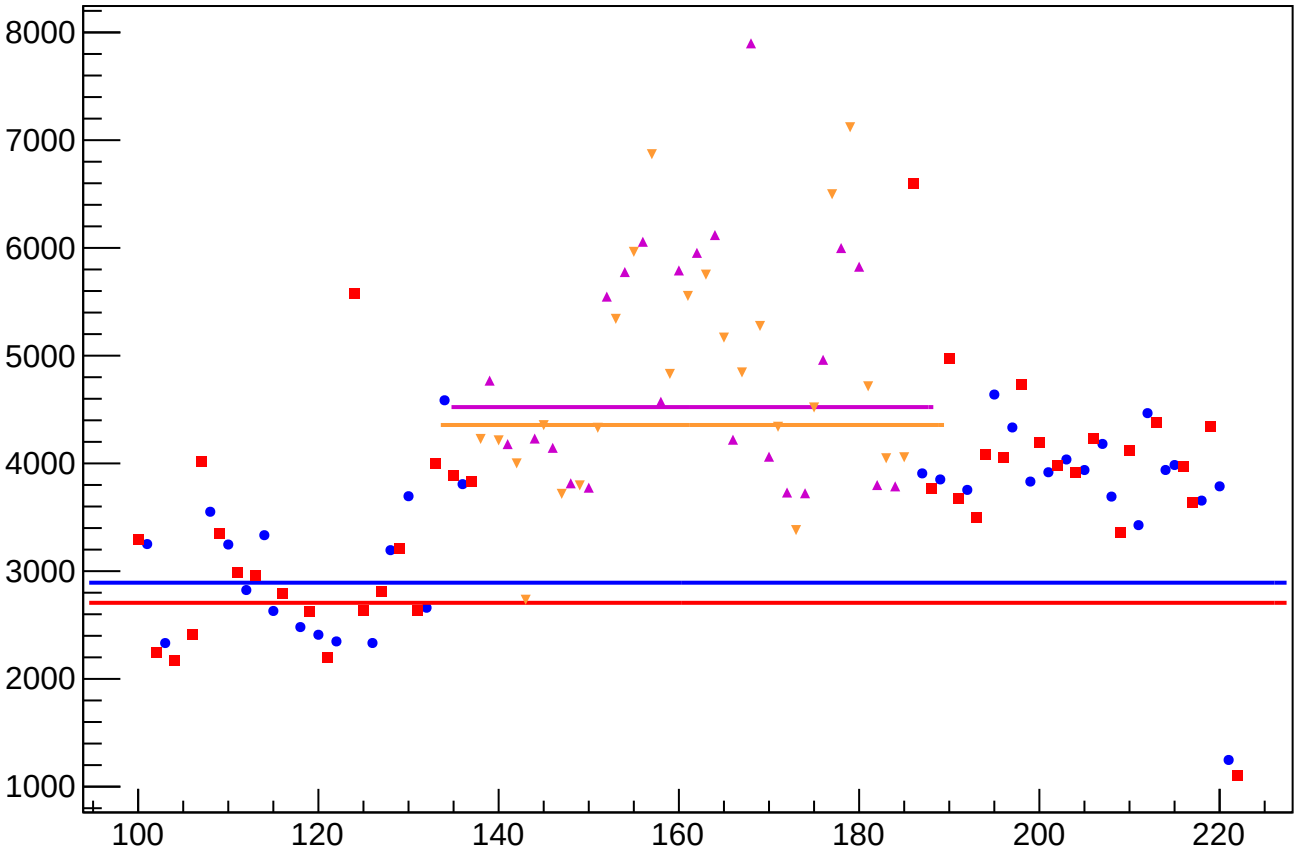
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 43.742+/-456.122 χ^2/NDF: 92.9/71

In: -5.226+/-565.109 χ^2/NDF:52.1/56

Out: 267.441+/-535.415 χ^2/NDF:84.6/62

All: 138.459+/-388.669 χ^2/NDF: 136.8/119



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: 2706.205+/-0.445 χ^2/NDF: 7508112.8/37

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

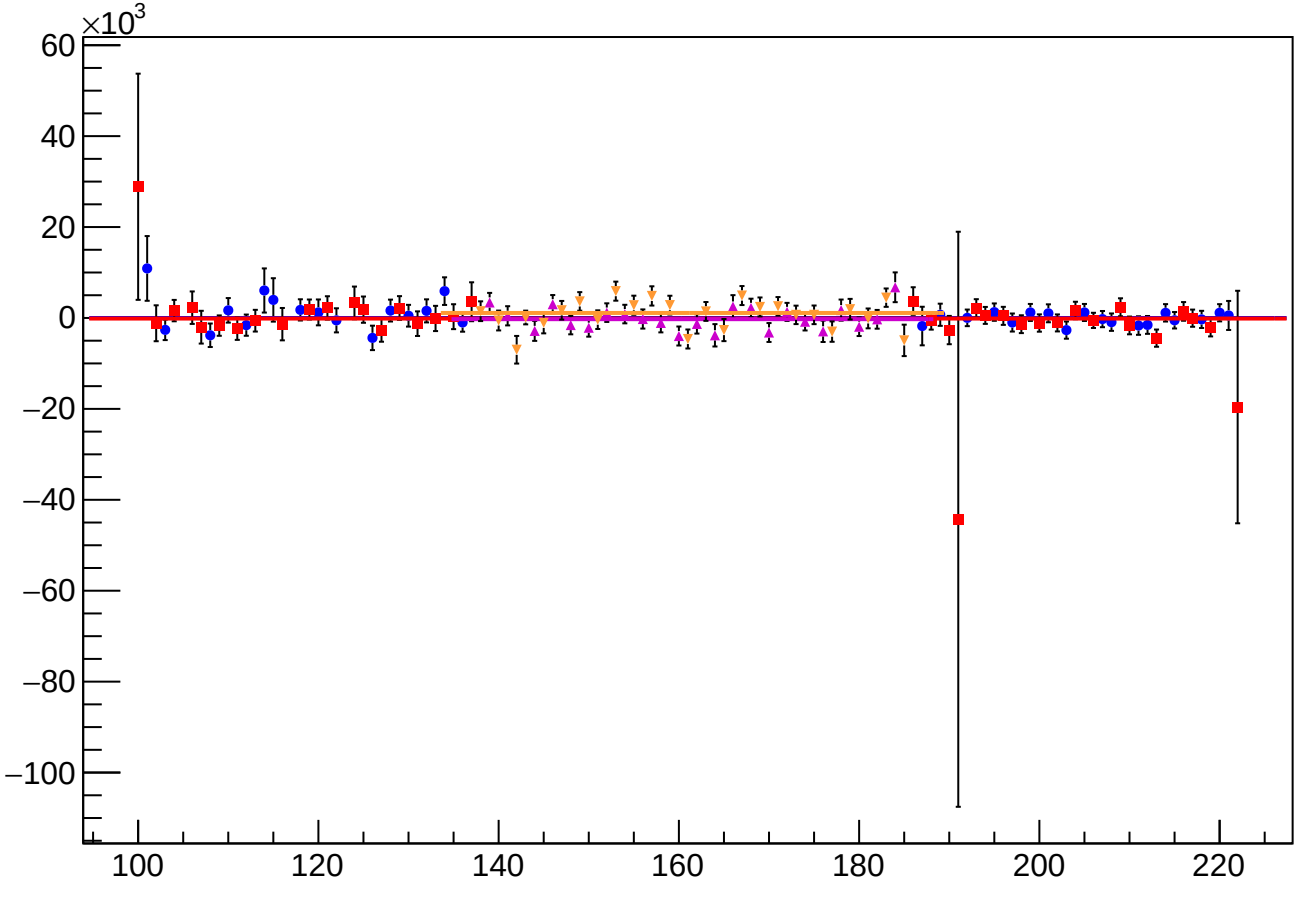
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2794.610+/-0.323 χ^2/NDF: 13046624.9/71

In: 3337.978+/-0.400 χ^2/NDF:10191681.9/56

Out: 3159.465+/-0.379 χ^2/NDF:13206212.6/62

All: 3243.908+/-0.275 χ^2/NDF: 23503062.5/1



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: -127.590+/-388.172 χ^2/NDF: 25.7/37

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

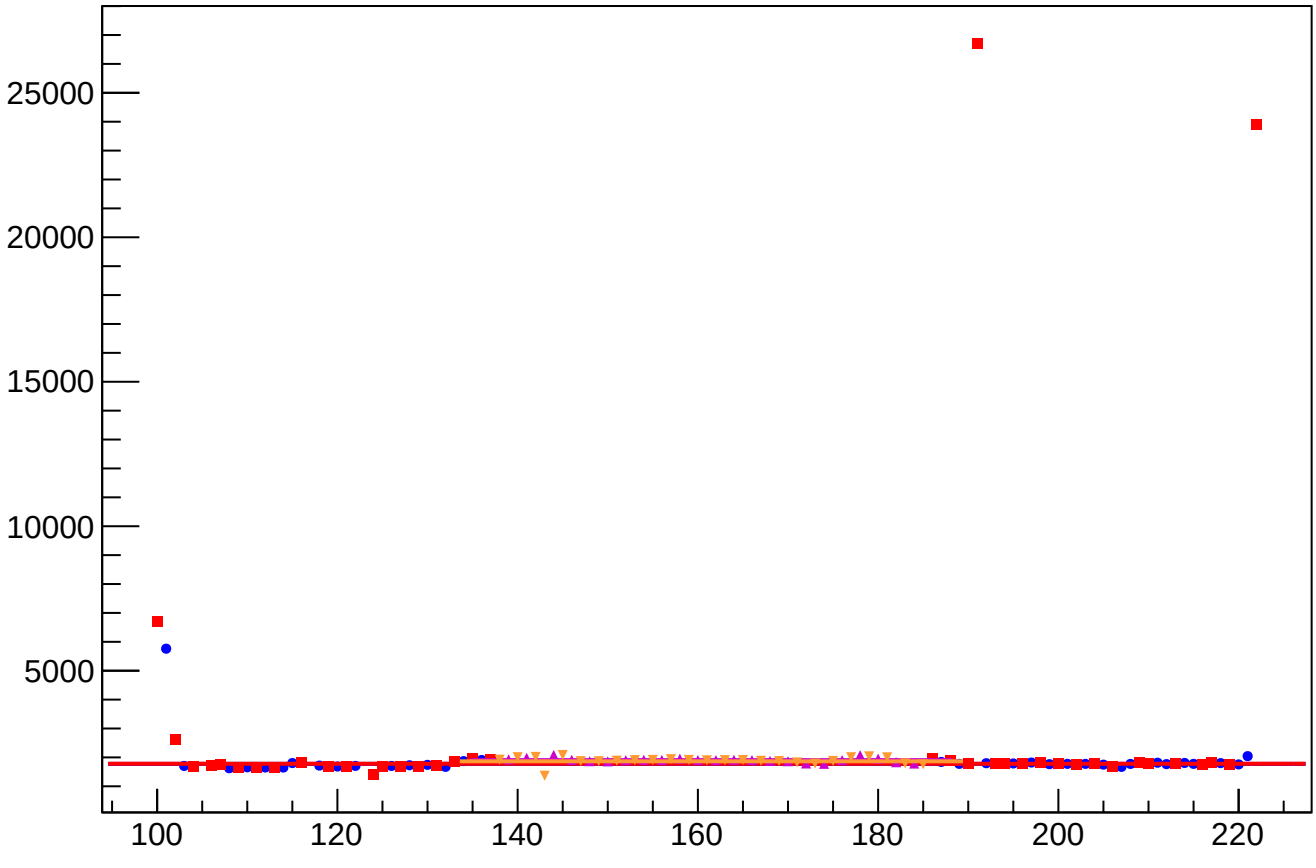
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -67.729+/-273.853 χ^2/NDF: 49.5/71

In: -118.445+/-291.863 χ^2/NDF:51.6/56

Out: 431.767+/-286.714 χ^2/NDF:75.1/62

All: 161.557+/-204.534 χ^2/NDF: 128.5/119



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: 1779.804+/-0.274 χ^2/NDF: 2069656.1/37

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

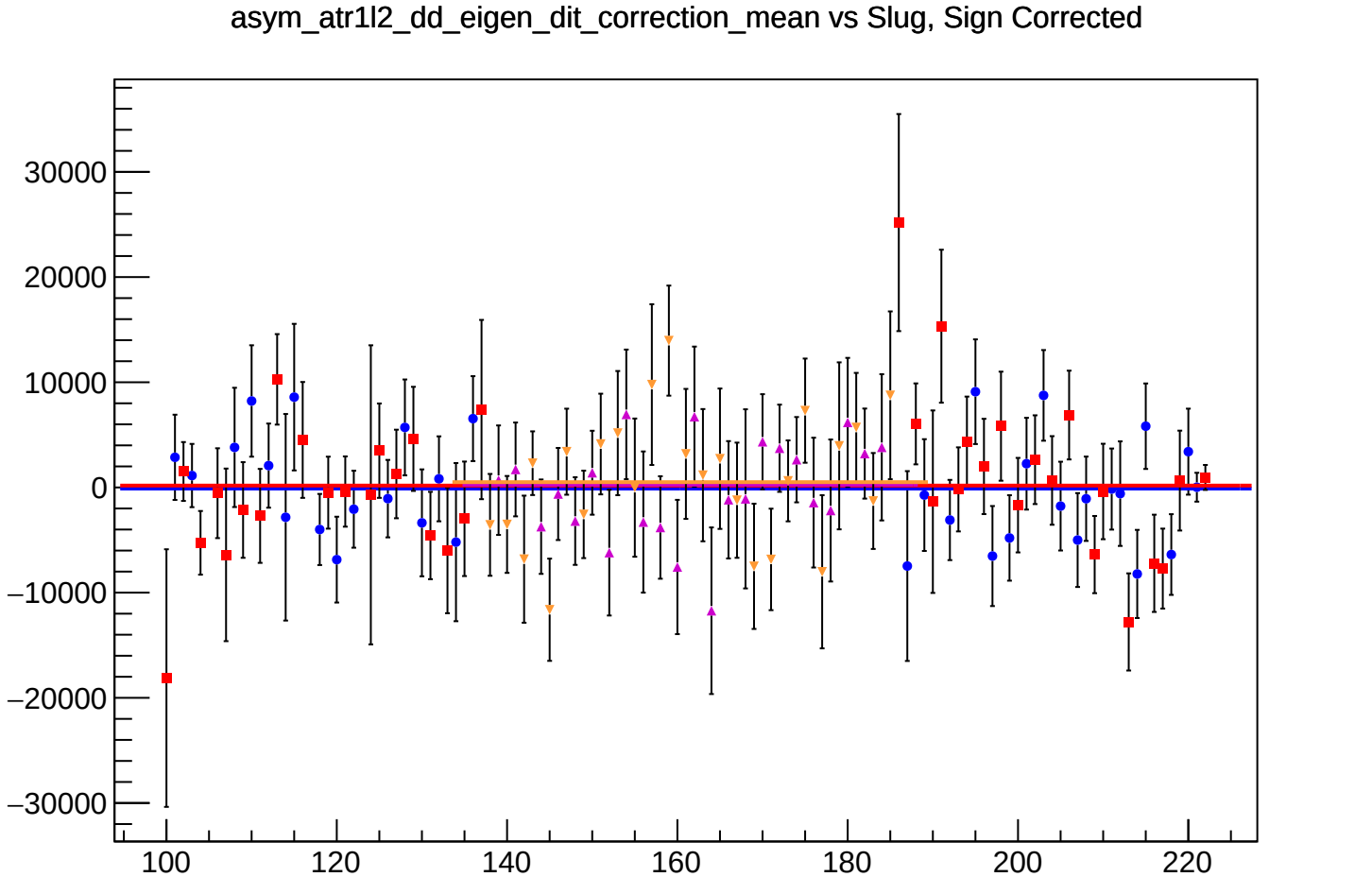
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1777.584+/-0.194 χ^2/NDF: 2763625.4/71

In: 1831.320+/-0.206 χ^2/NDF:844218.8/56

Out: 1818.405+/-0.203 χ^2/NDF:2408030.5/62

All: 1824.744+/-0.145 χ^2/NDF: 3254243.5/11



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: 177.776+/-628.653 χ^2/NDF: 54.4/37

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

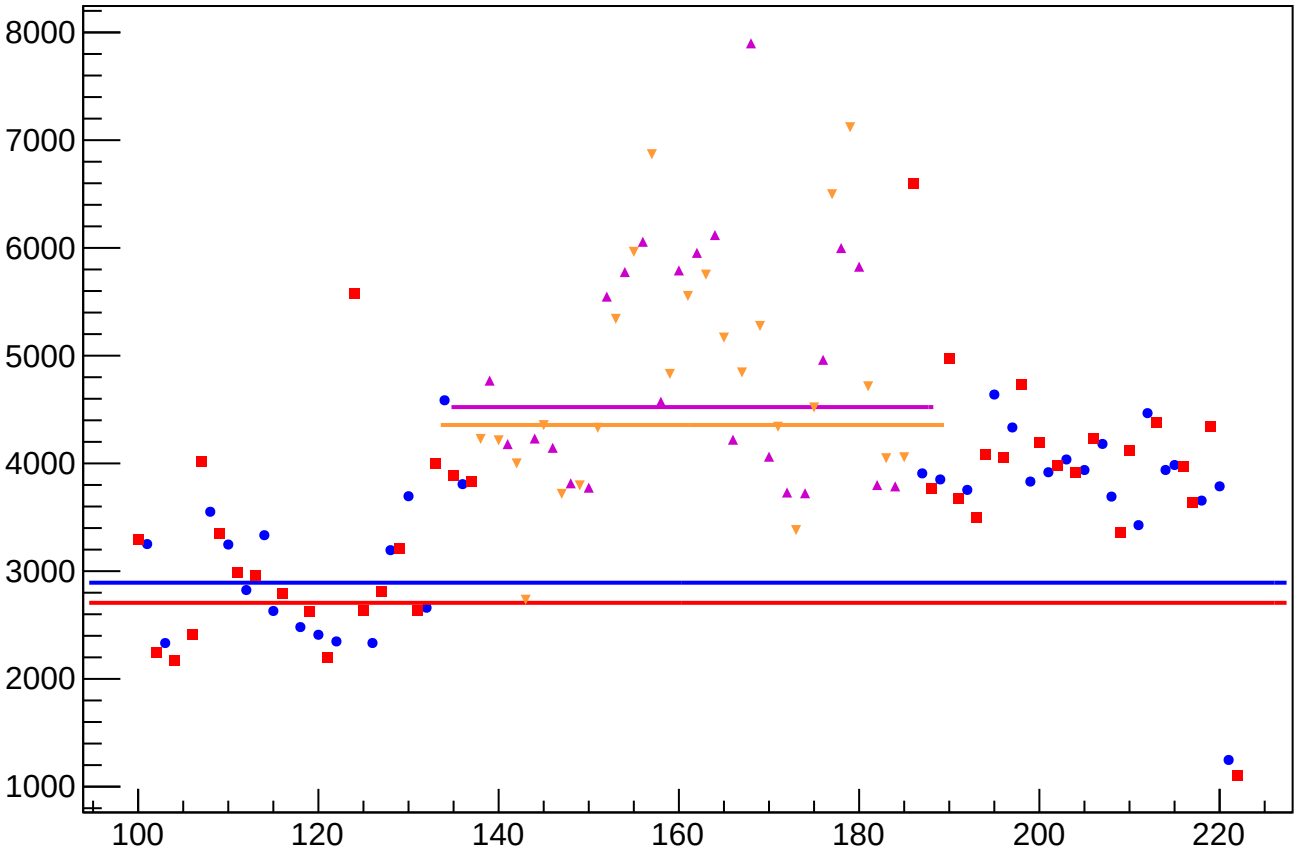
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 43.742+/-456.122 χ^2/NDF: 92.9/71

In: -5.223+/-565.110 χ^2/NDF:52.1/56

Out: 267.439+/-535.415 χ^2/NDF:84.6/62

All: 138.460+/-388.670 χ^2/NDF: 136.8/119



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: 2706.210+/-0.445 χ^2/NDF: 7508065.0/37

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

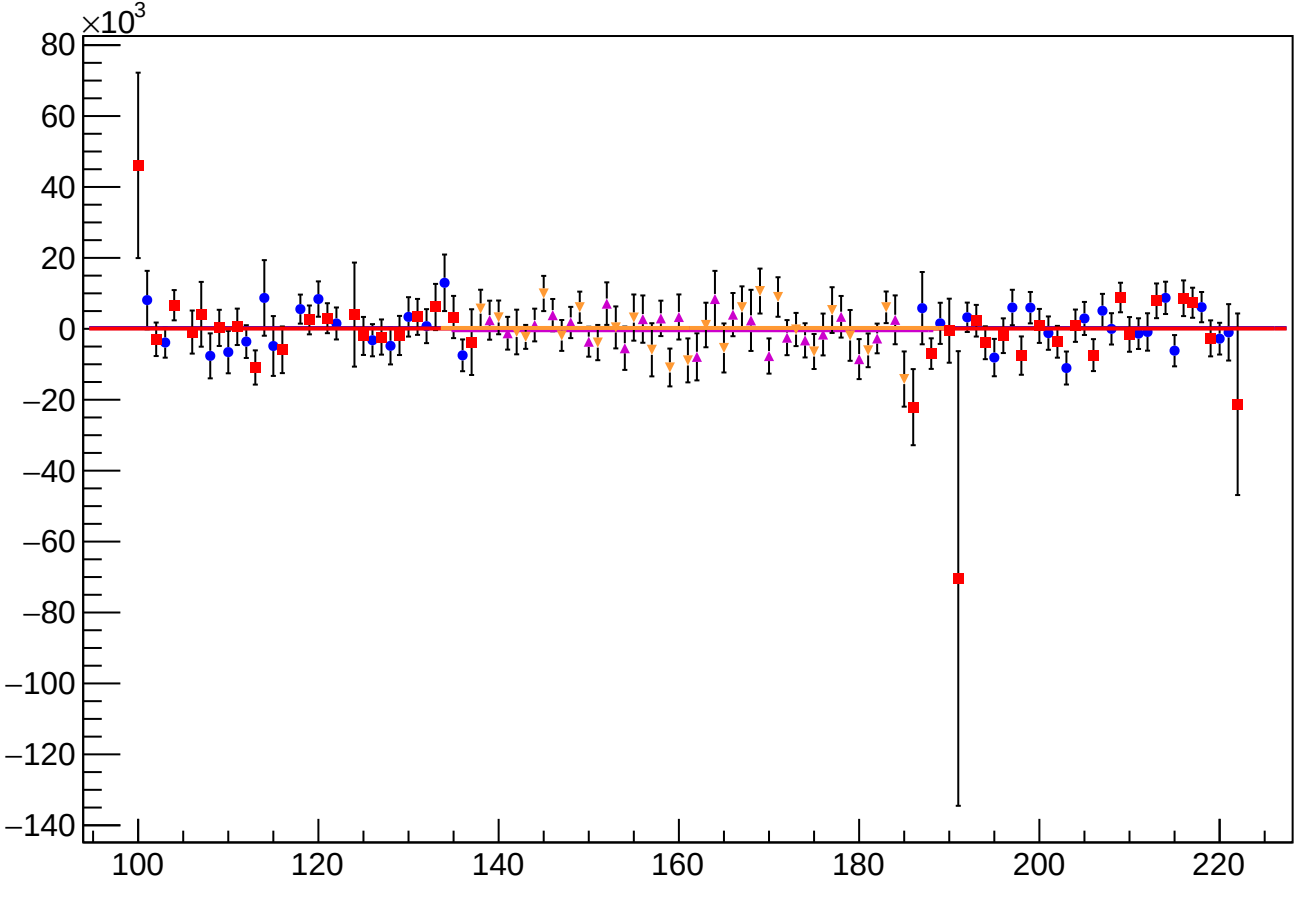
Right: 2794.615+/-0.323 χ^2/NDF: 13046535.9/71

In: 3337.984+/-0.400 χ^2/NDF:10191636.5/56

Out: 3159.469+/-0.379 χ^2/NDF:13206171.3/62

All: 3243.913+/-0.275 χ^2/NDF: 23502977.7/

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: 78.938+/-867.293 χ^2/NDF: 44.0/37

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

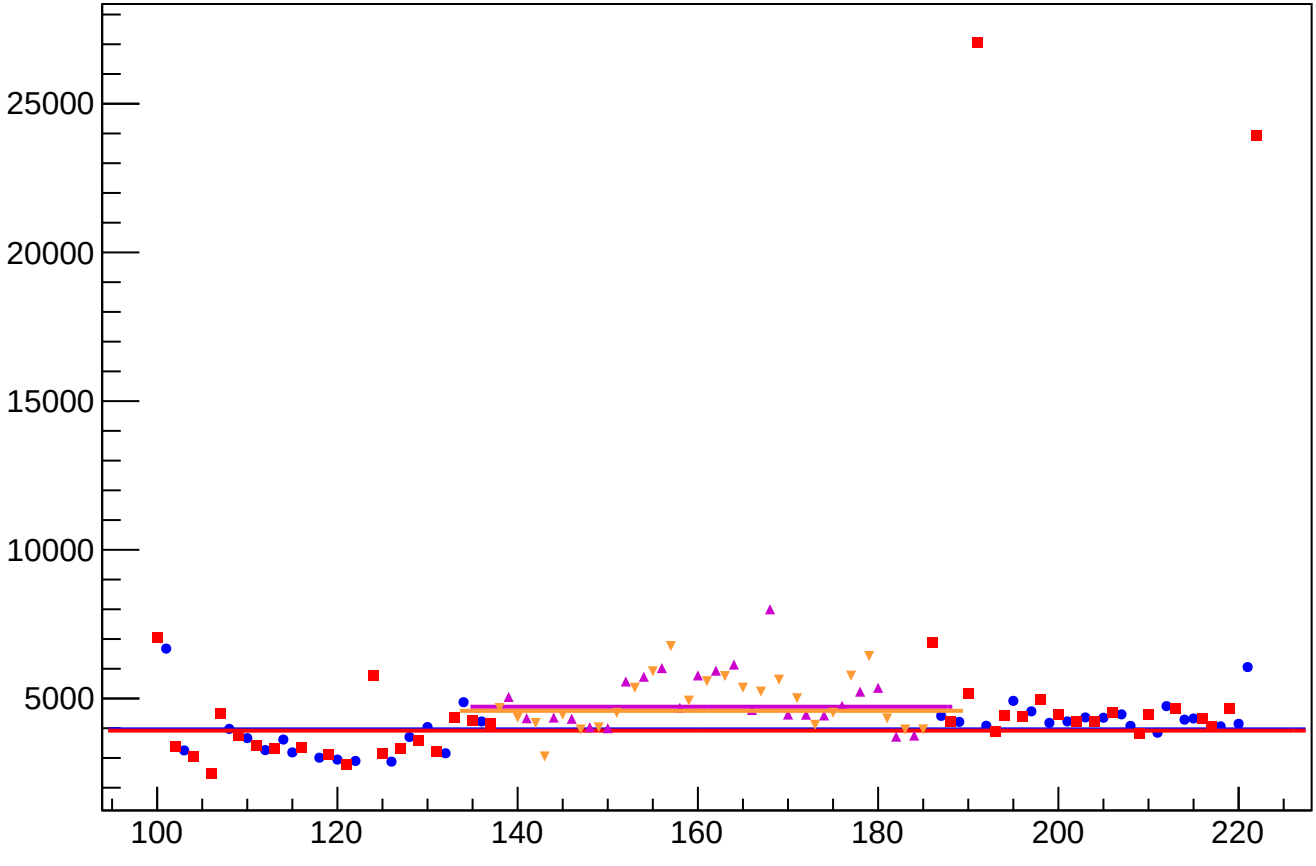
Right: 143.020+/-612.690 χ^2/NDF: 84.1/71

In: -18.965+/-685.225 χ^2/NDF:54.4/56

Out: 143.158+/-672.417 χ^2/NDF:76.2/62

All: 63.625+/-479.935 χ^2/NDF: 130.7/119

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: 3919.671+/-0.609 χ^2/NDF: 2796379.2/37

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

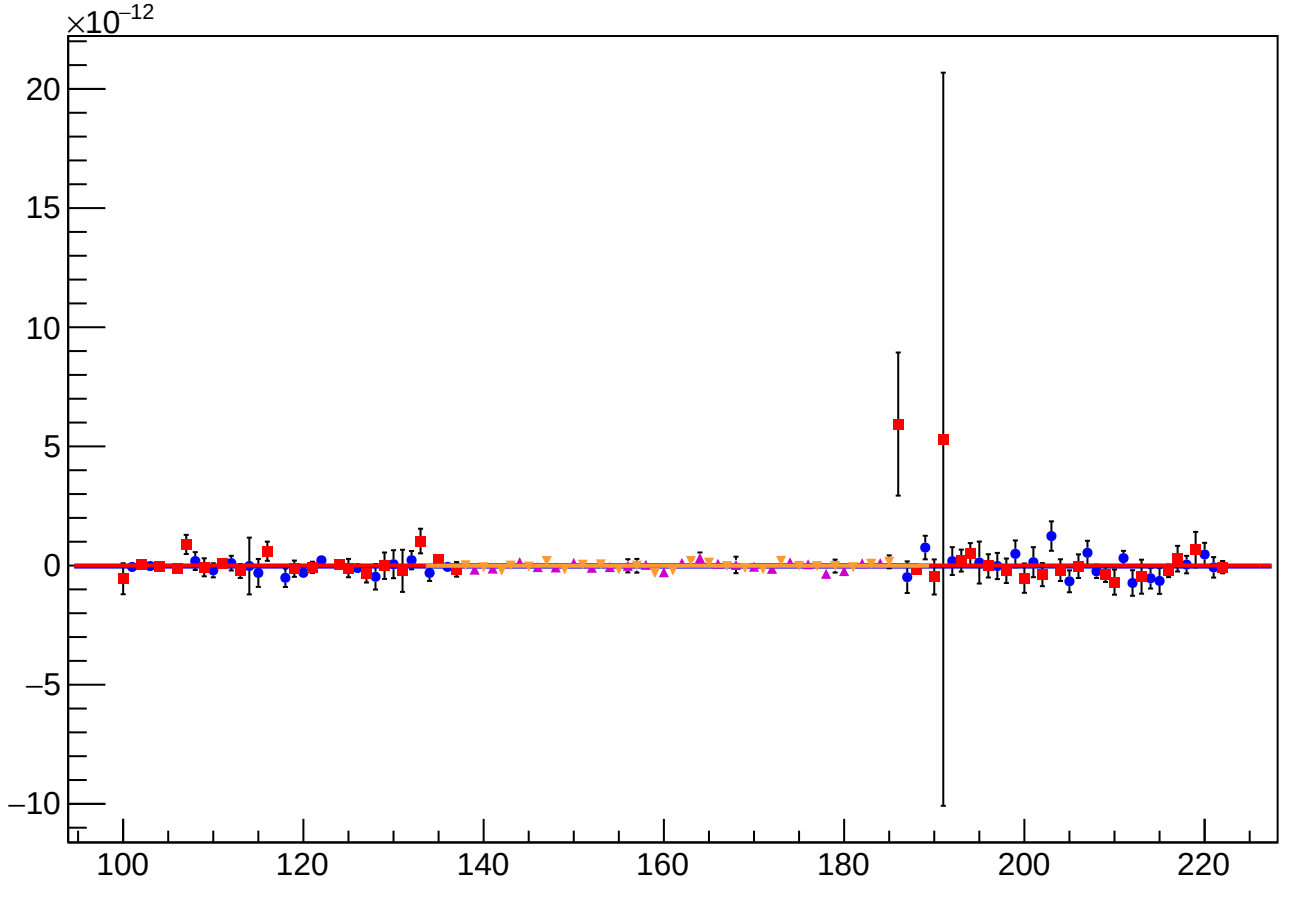
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3940.787+/-0.432 χ^2/NDF: 4033442.7/71

In: 4246.244+/-0.485 χ^2/NDF:2828313.7/56

Out: 4182.856+/-0.474 χ^2/NDF:4579569.9/62

All: 4213.827+/-0.339 χ^2/NDF: 7416636.5/11



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: 32.4/37

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

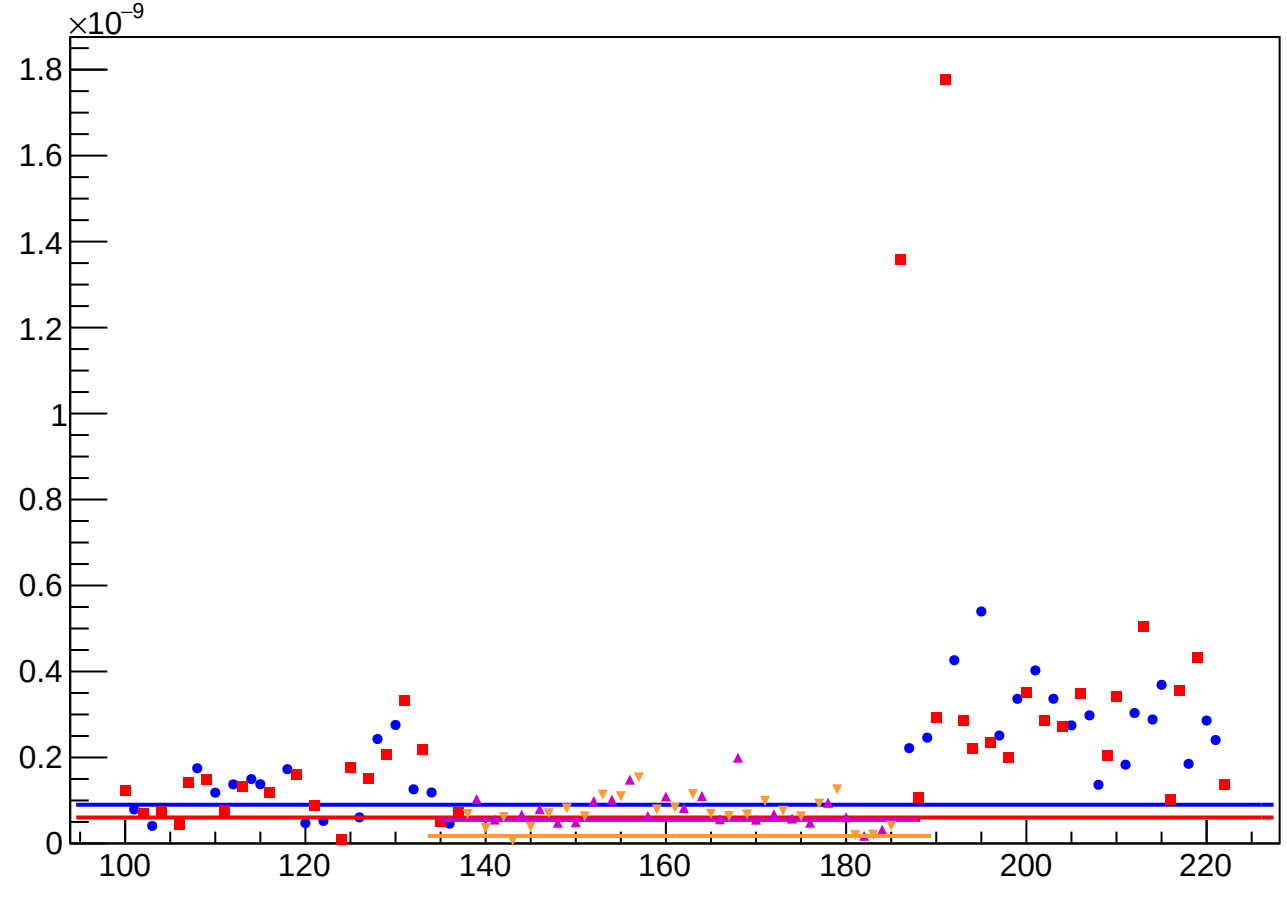
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.7/71

In: 0.000+/-0.000 χ^2/NDF:55.1/56

Out: -0.000+/-0.000 χ^2/NDF:55.3/62

All: -0.000+/-0.000 χ^2/NDF: 110.5/119



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: 10715512.7/37

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

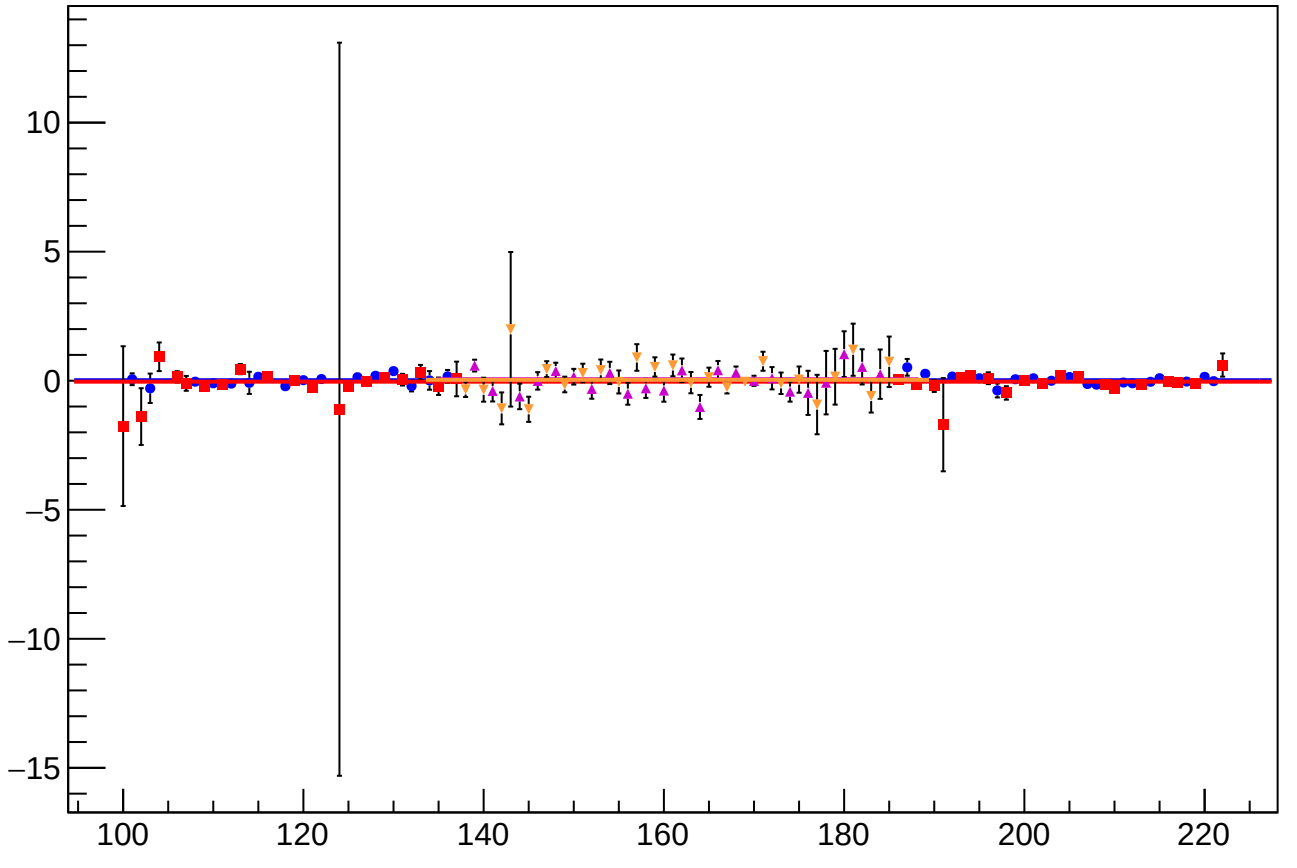
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19208209.5/71

In: 0.000+/-0.000 χ^2/NDF:11764816.6/56

Out: 0.000+/-0.000 χ^2/NDF:22536952.6/62

All: 0.000+/-0.000 χ^2/NDF: 40739048.8/119



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: -0.037+/-0.027 χ^2/NDF: 43.9/37

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

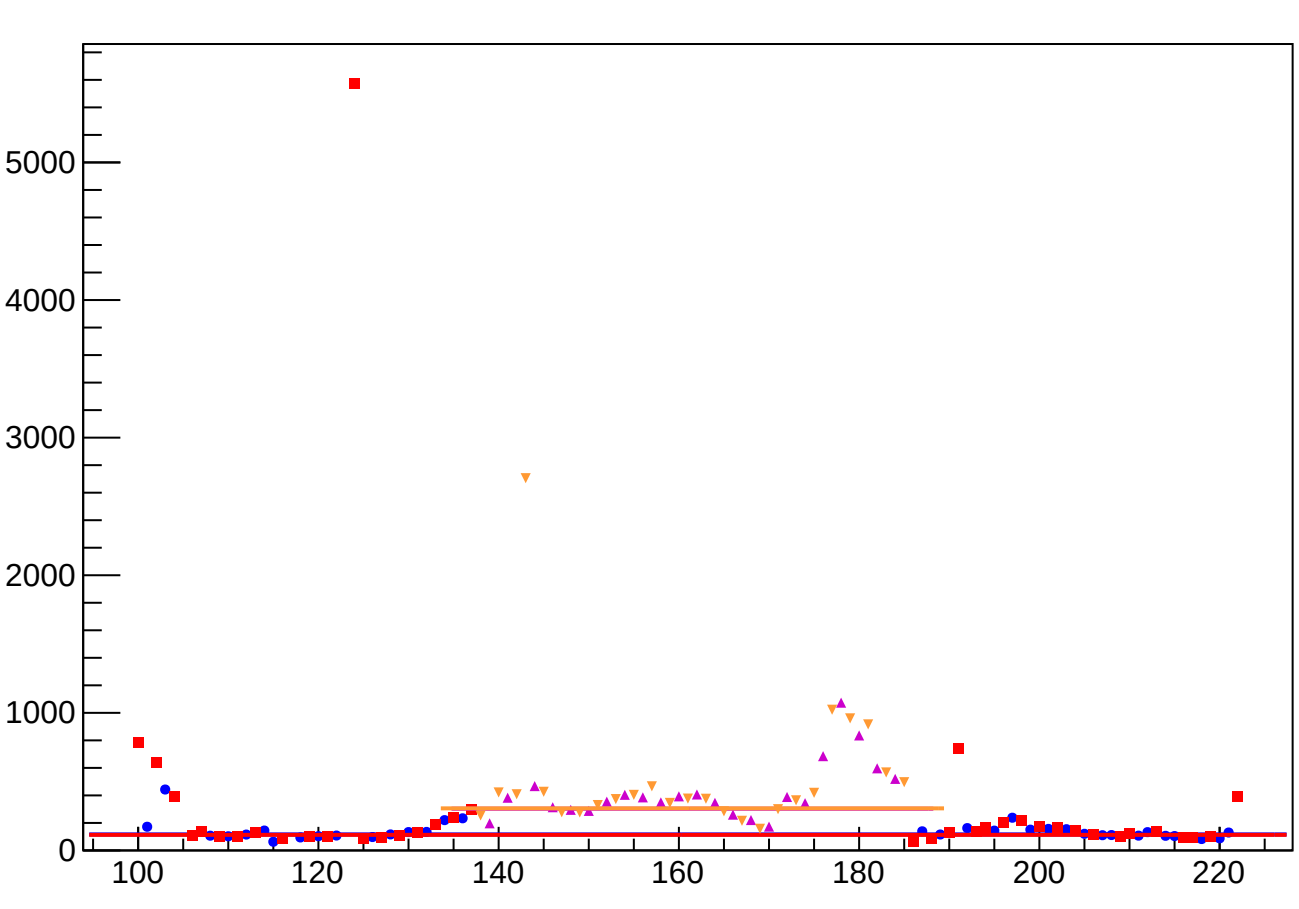
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.009+/-0.019 χ^2/NDF: 74.2/71

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.030+/-0.025 χ^2/NDF:75.1/62

All: -0.003+/-0.018 χ^2/NDF: 131.6/119



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 113.396+/-0.019 χ^2/NDF: 5424470.0/37

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

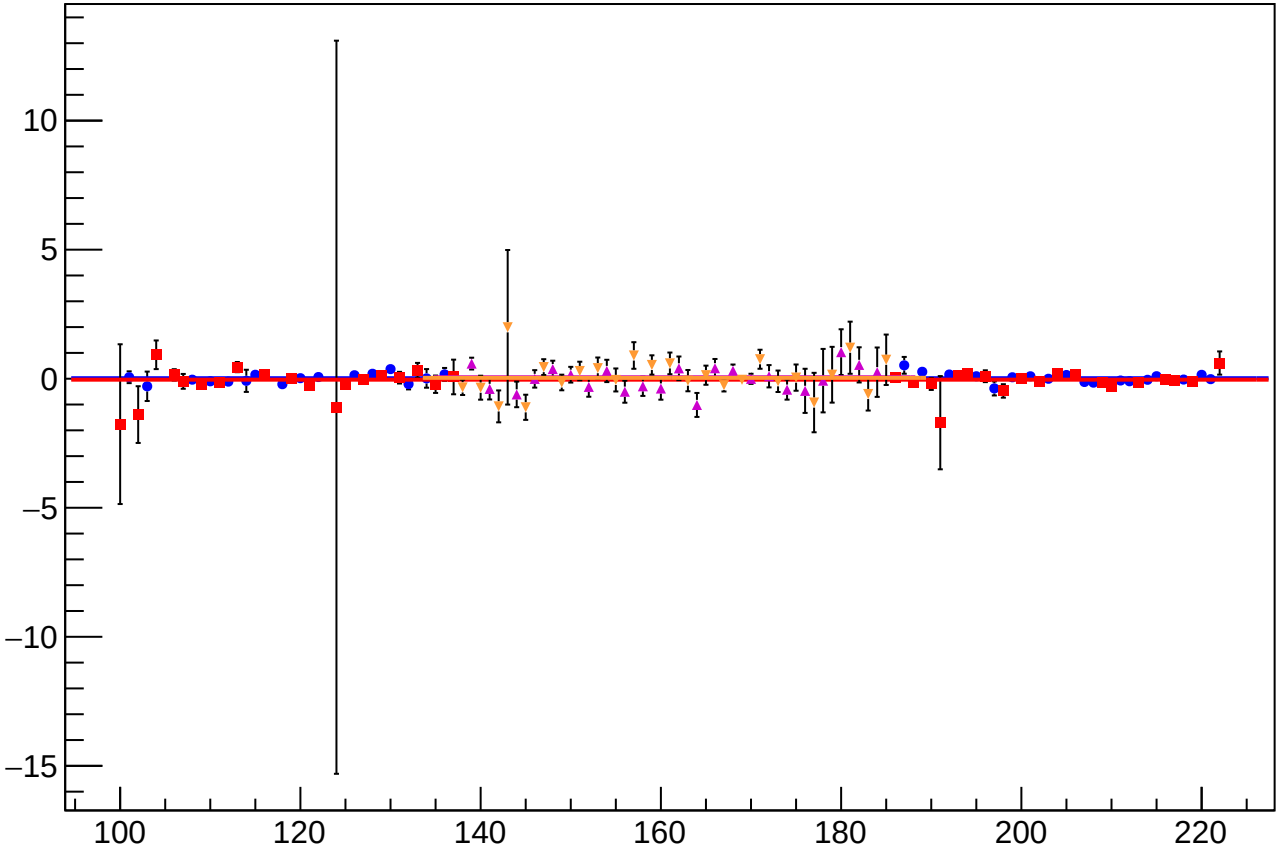
Right: 114.996+/-0.013 χ^2/NDF: 8607864.1/71

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 133.714+/-0.018 χ^2/NDF:22979270.3/62

All: 135.168+/-0.013 χ^2/NDF: 41386682.9/1

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: -0.037+/-0.027 χ^2/NDF: 43.9/37

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

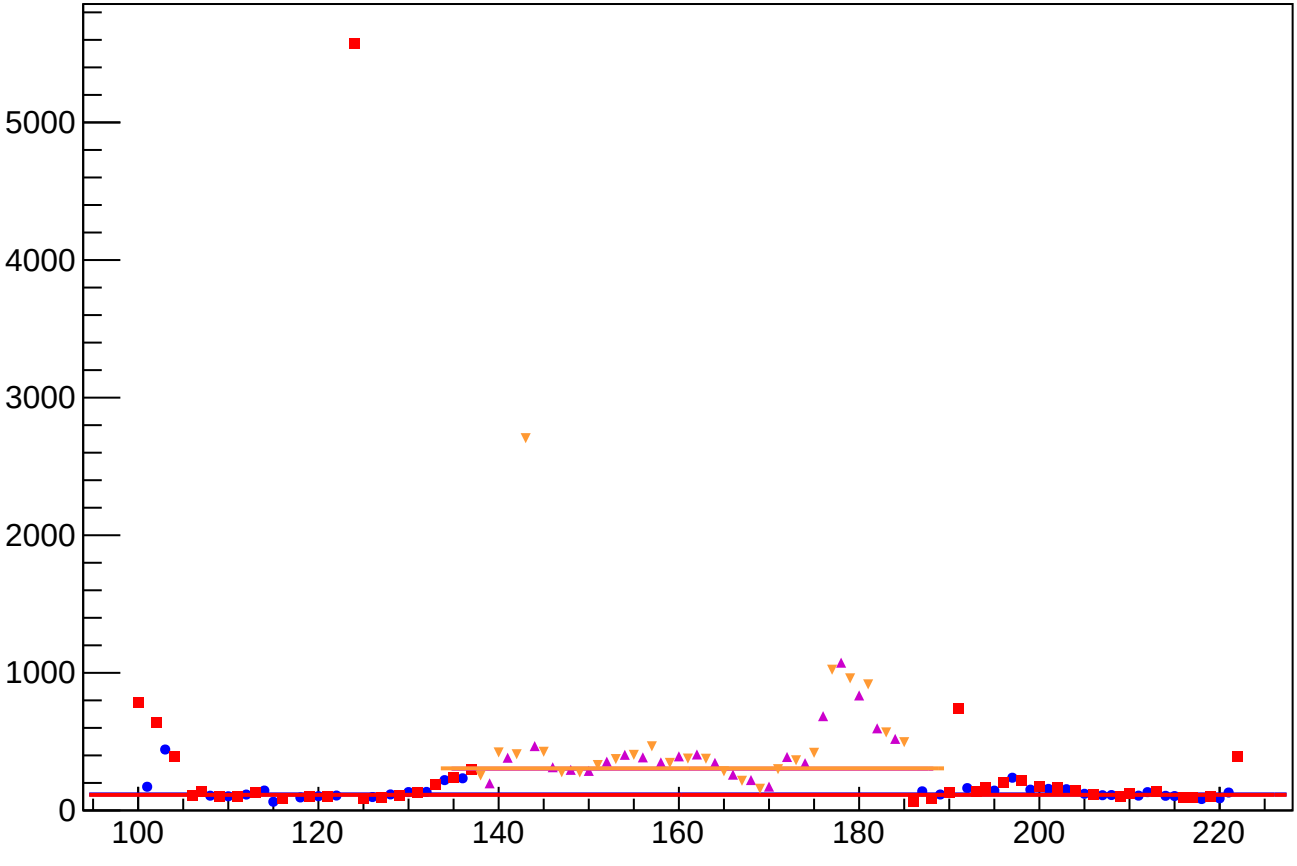
Right: -0.009+/-0.019 χ^2/NDF: 74.2/71

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.030+/-0.025 χ^2/NDF:75.1/62

All: -0.003+/-0.018 χ^2/NDF: 131.6/119

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 113.396+/-0.019 χ^2/NDF: 5424470.0/37

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

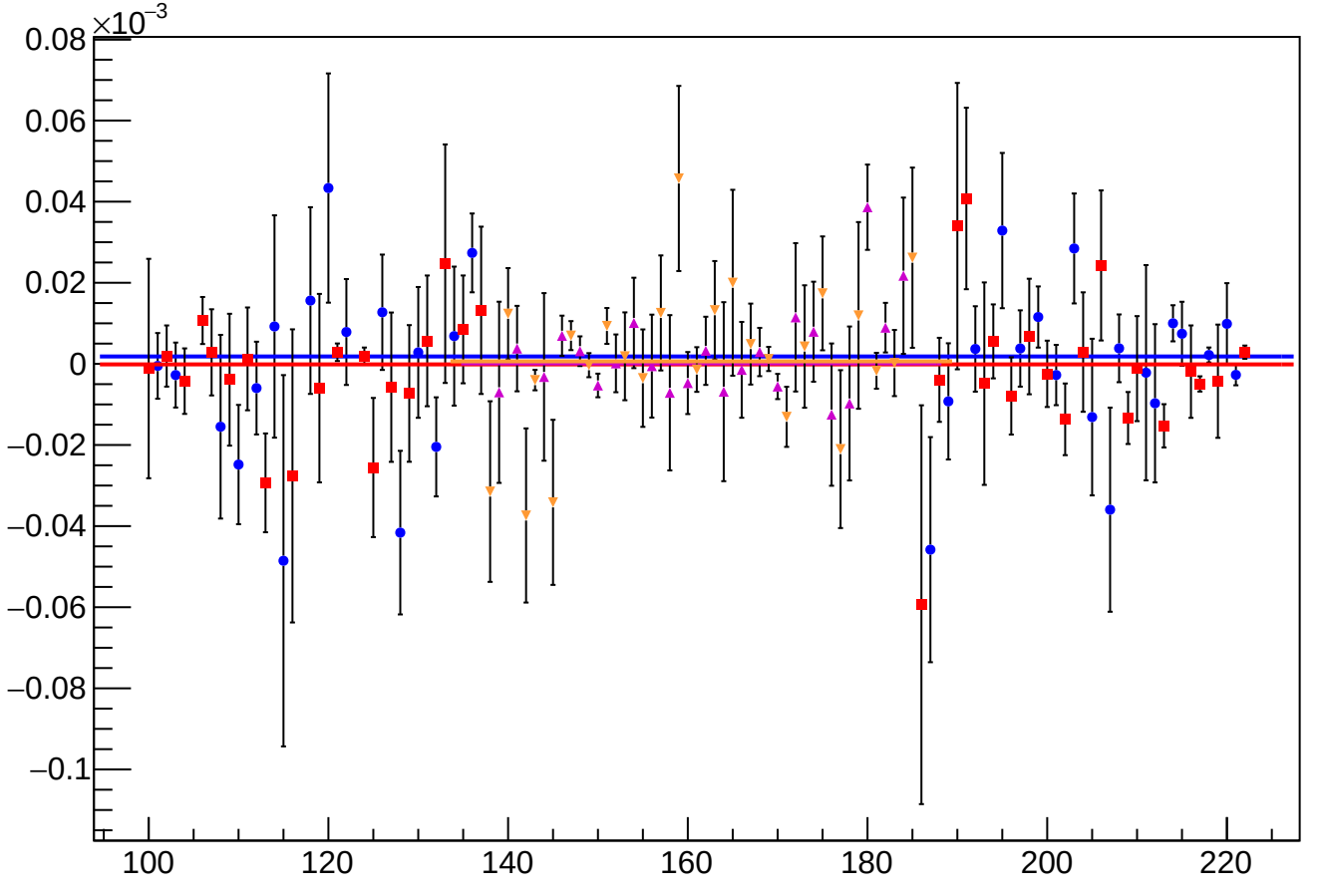
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 114.996+/-0.013 χ^2/NDF: 8607864.1/71

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 133.714+/-0.018 χ^2/NDF:22979270.3/62

All: 135.168+/-0.013 χ^2/NDF: 41386682.9/1



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: 51.2/37

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

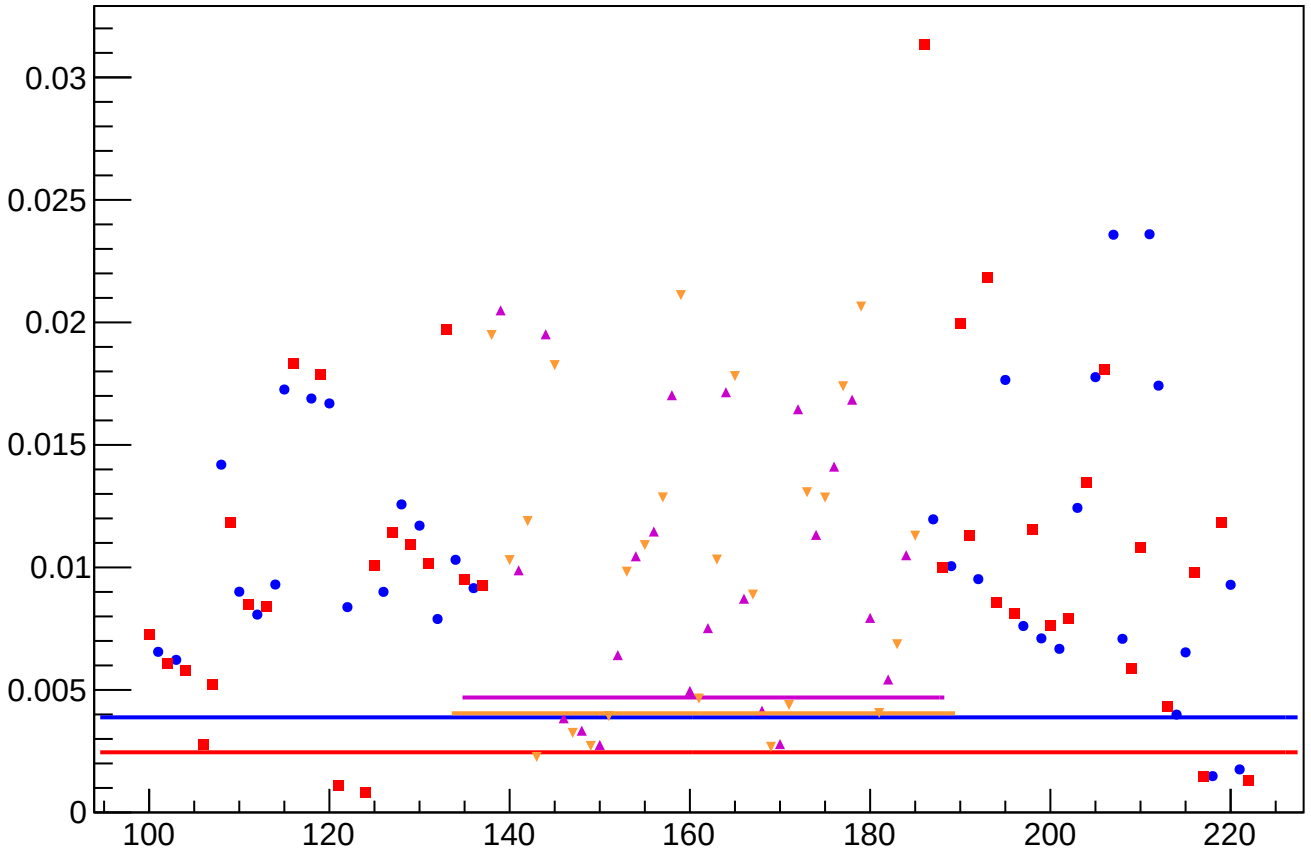
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: 0.000+/-0.000 χ^2/NDF: 100.4/71

In: 0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:86.1/62

All: 0.000+/-0.000 χ^2/NDF: 164.9/119



Right In: 0.004+/-0.000 χ^2/NDF: 19094458.8/33

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 24354466.9/37

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

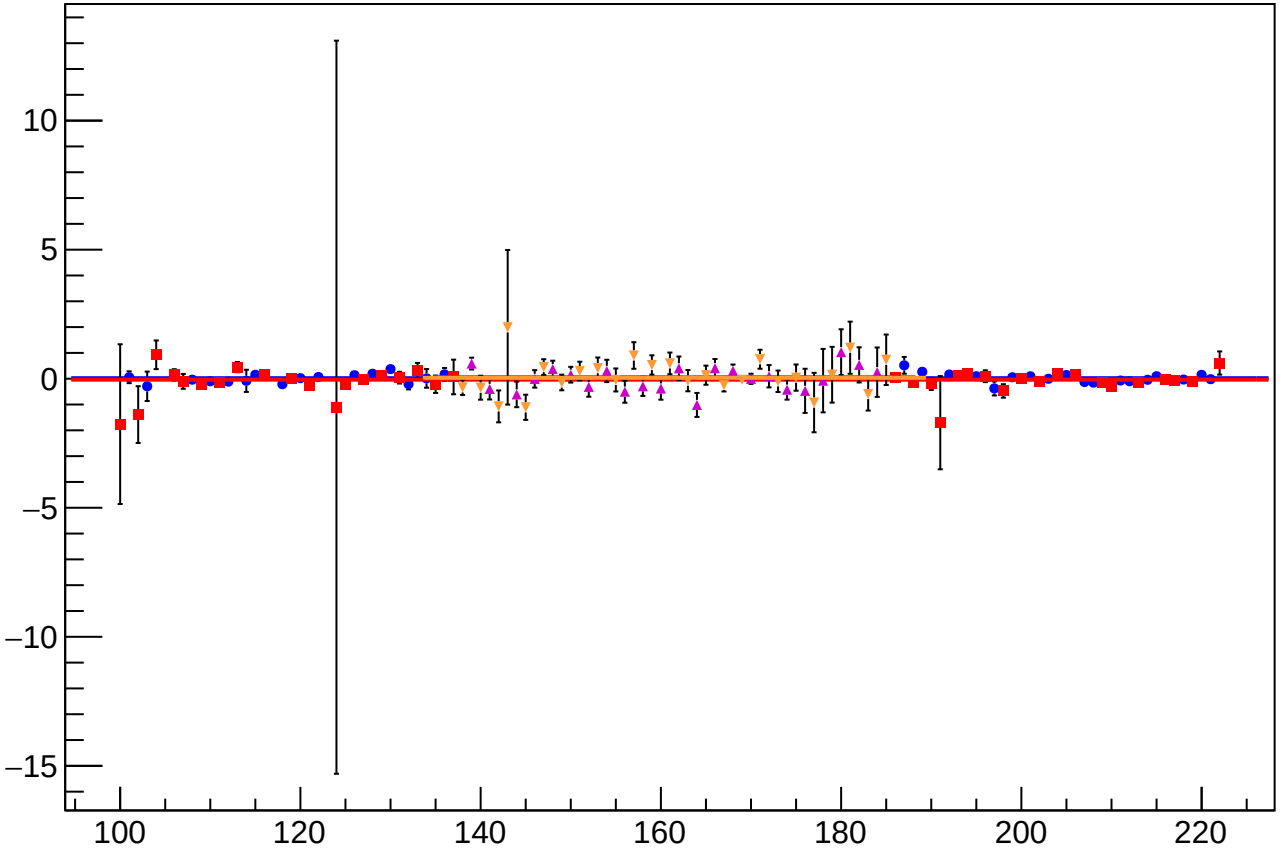
Right: 0.003+/-0.000 χ^2/NDF: 45333108.3/71

In: 0.004+/-0.000 χ^2/NDF:30341285.9/56

Out: 0.003+/-0.000 χ^2/NDF:40264772.4/62

All: 0.003+/-0.000 χ^2/NDF: 72909459.4/119

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: -0.037+/-0.027 χ^2/NDF: 43.9/37

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

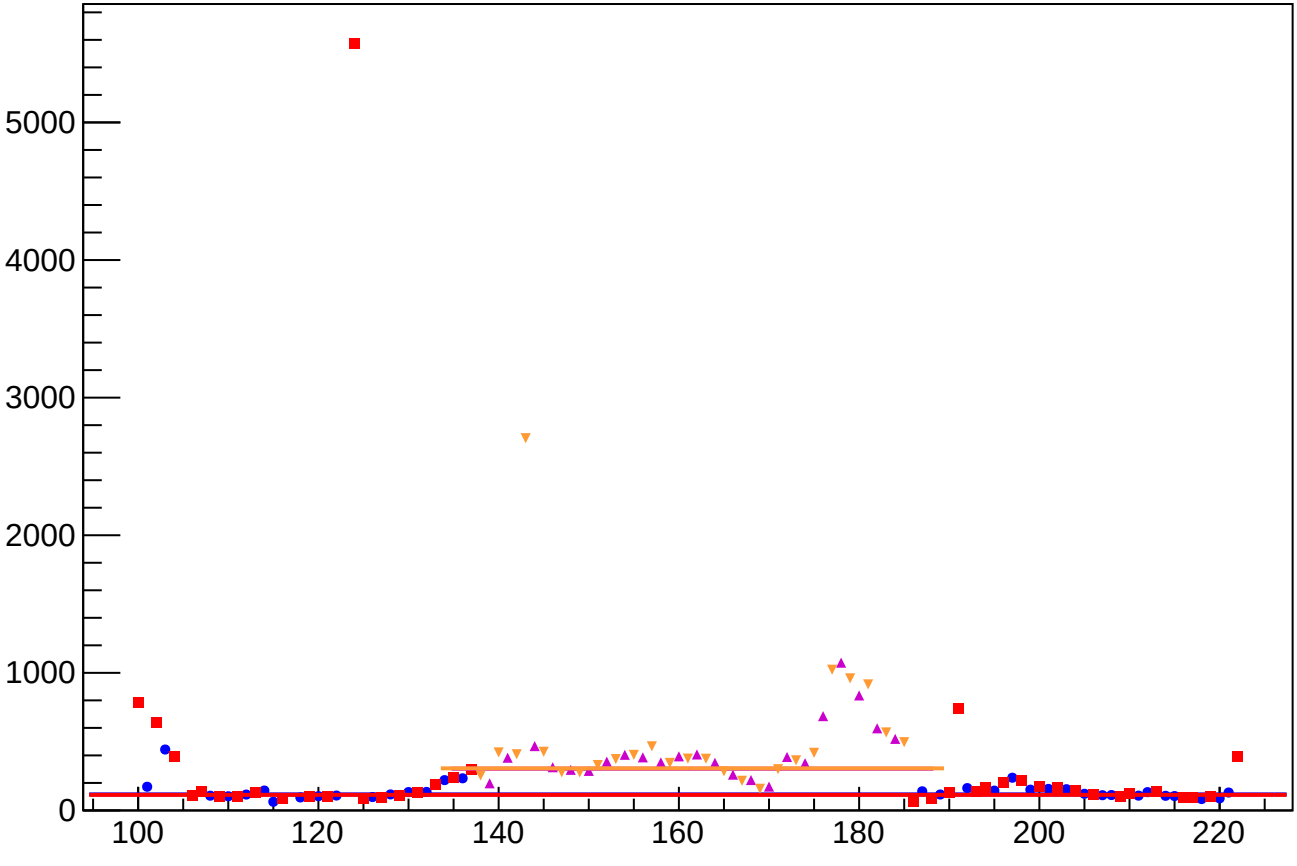
Right: -0.009+/-0.019 χ^2/NDF: 74.2/71

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.030+/-0.025 χ^2/NDF:75.1/62

All: -0.003+/-0.018 χ^2/NDF: 131.6/119

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: 113.398+/-0.019 χ^2/NDF: 5424287.2/37

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

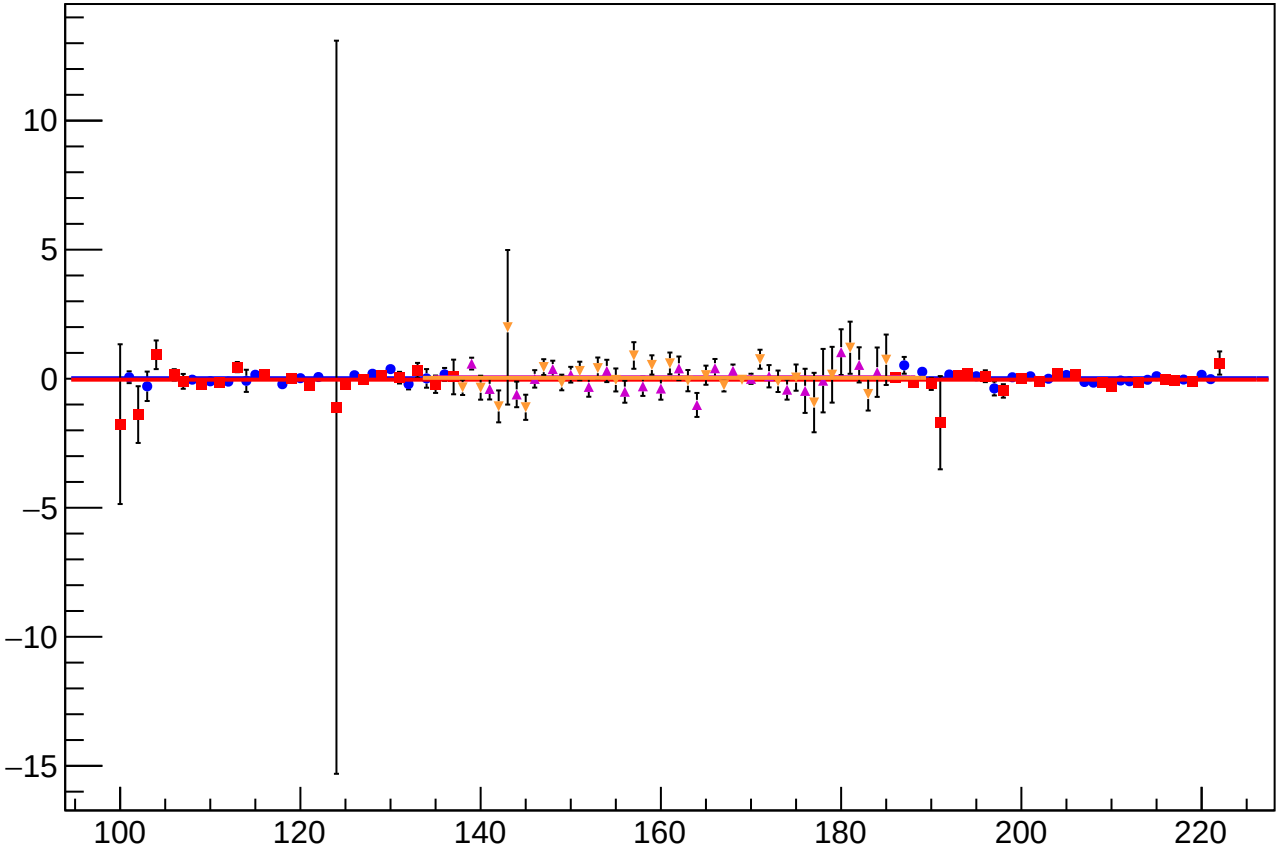
Right: 114.998+/-0.013 χ^2/NDF: 8607656.9/71

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 133.716+/-0.018 χ^2/NDF:22979039.9/62

All: 135.170+/-0.013 χ^2/NDF: 41386390.0/11

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: -0.037+/-0.027 χ^2/NDF: 43.9/37

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

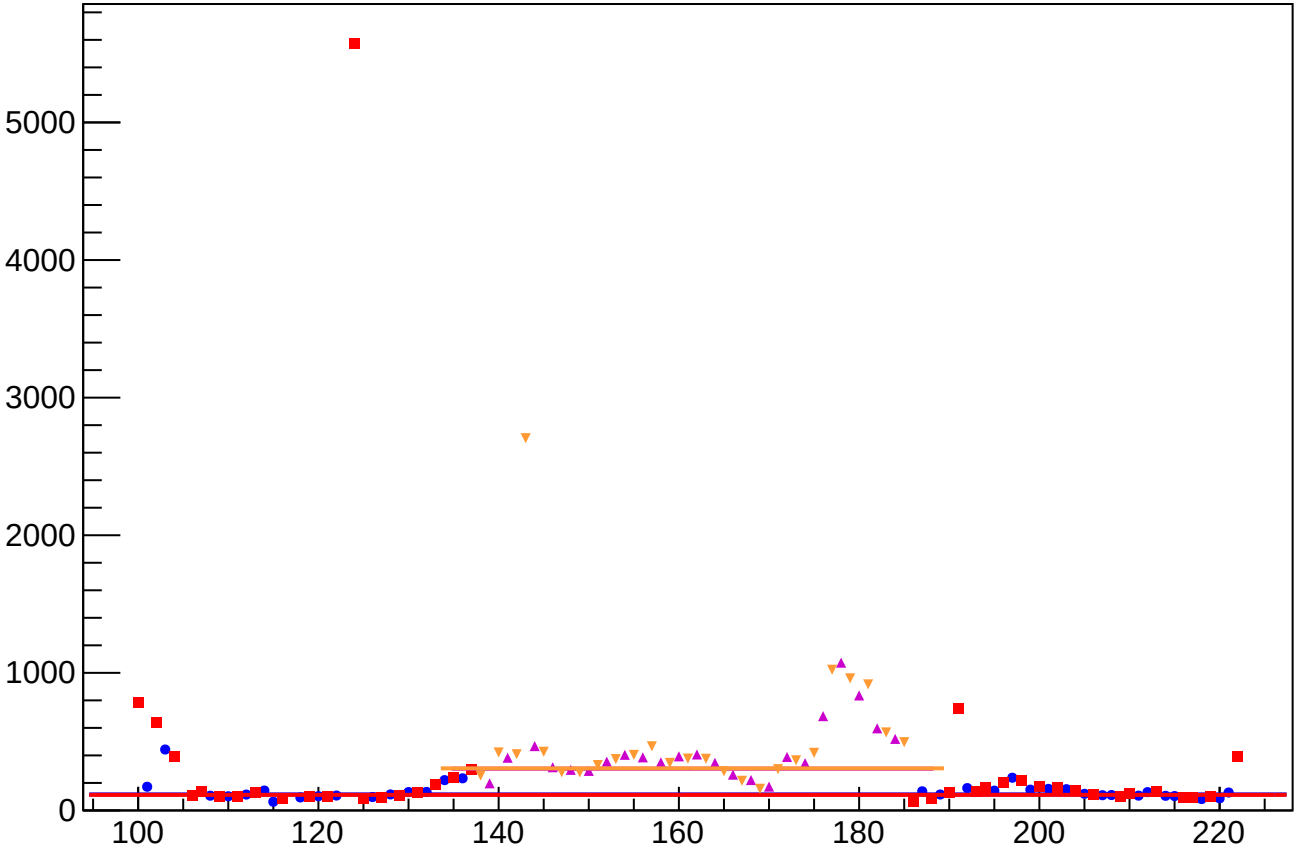
Right: -0.009+/-0.019 χ^2/NDF: 74.2/71

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.030+/-0.025 χ^2/NDF:75.1/62

All: -0.003+/-0.018 χ^2/NDF: 131.6/119

asym_atr1l2_dd_eigen_dit_vs_eigen_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: 113.398+/-0.019 χ^2/NDF: 5424287.2/37

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

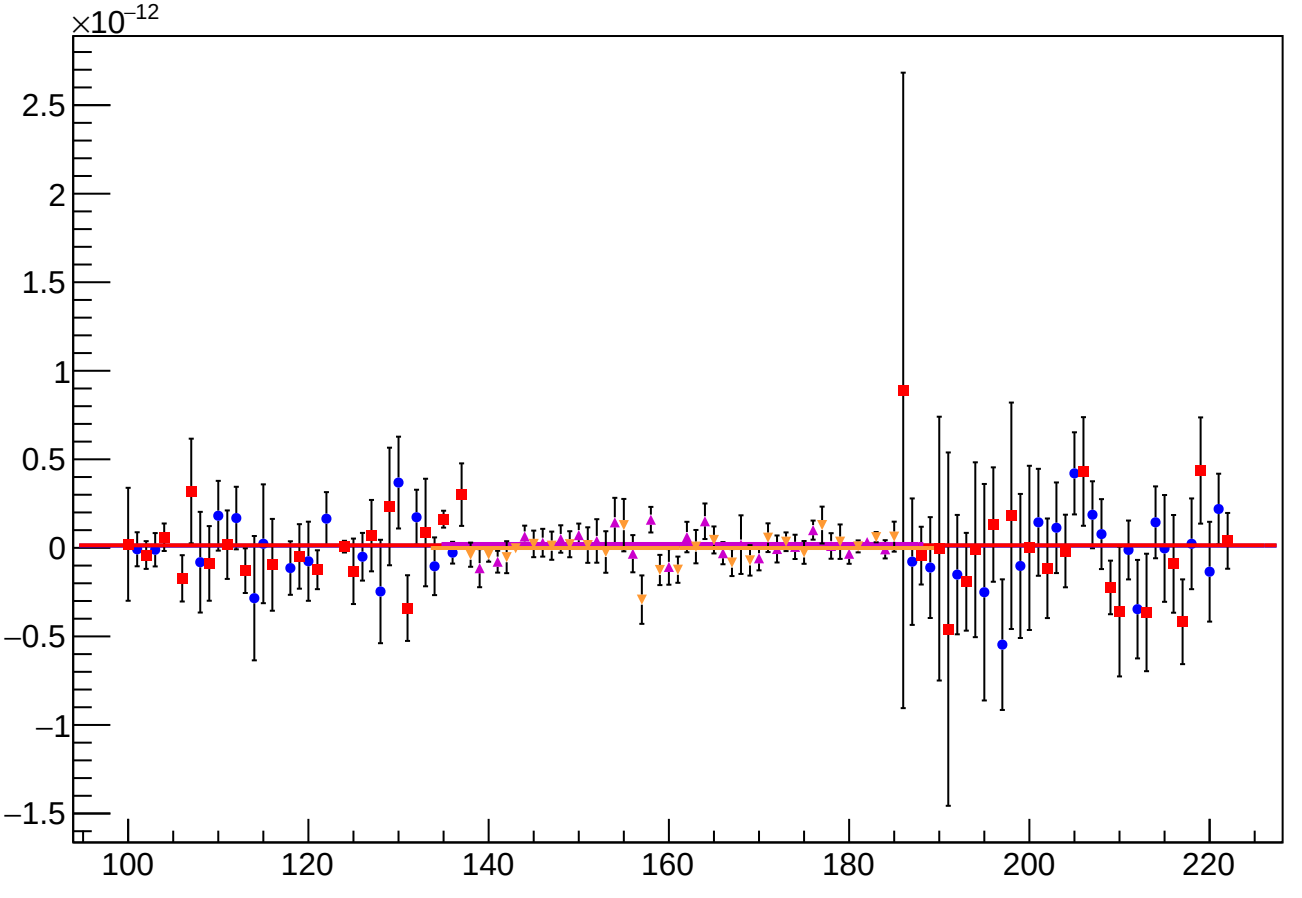
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 114.998+/-0.013 χ^2/NDF: 8607656.9/71

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 133.716+/-0.018 χ^2/NDF:22979039.9/62

All: 135.170+/-0.013 χ^2/NDF: 41386390.0/11



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: 38.1/37

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

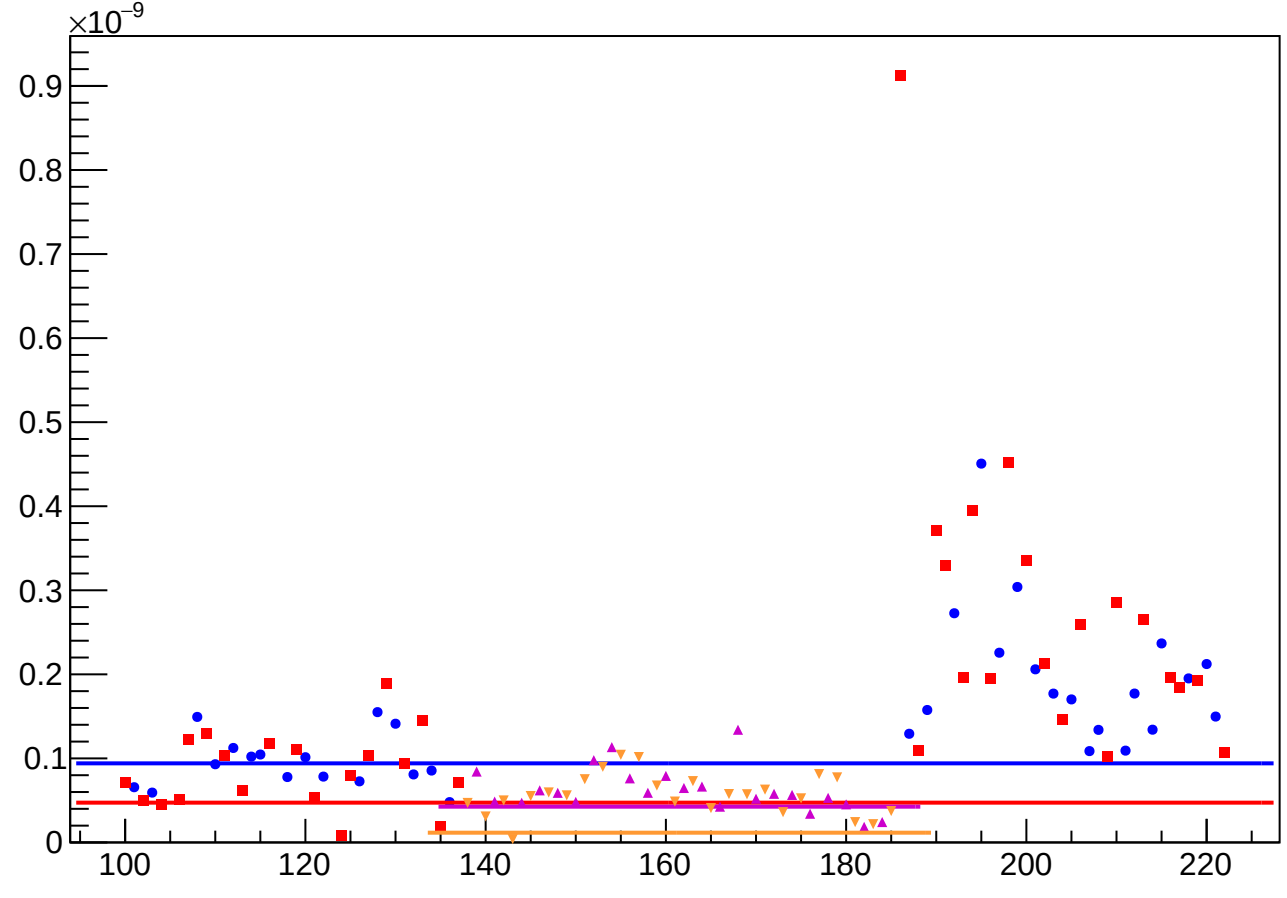
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

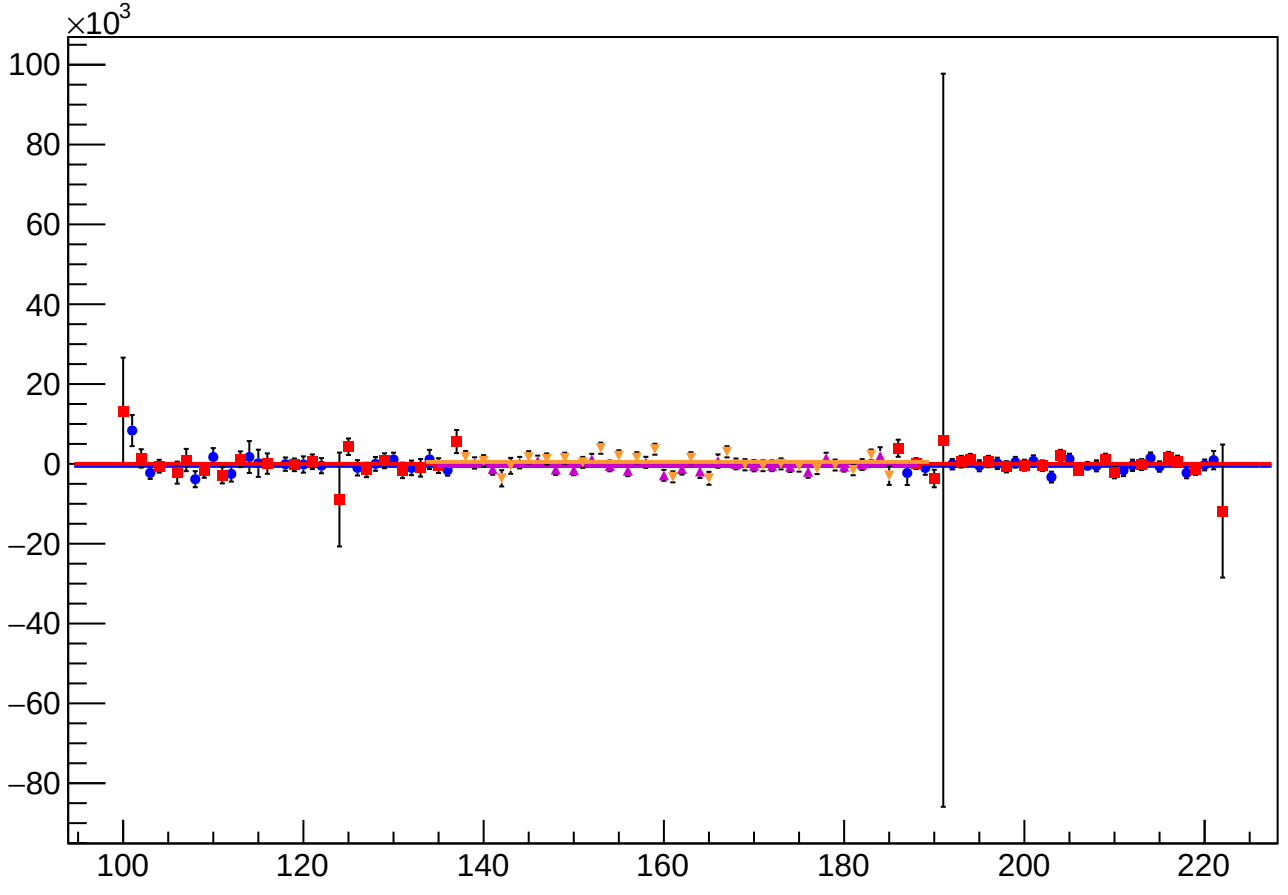
Right: 0.000+/-0.000 χ^2/NDF: 58.2/71

In: 0.000+/-0.000 χ^2/NDF:39.8/56

Out: 0.000+/-0.000 χ^2/NDF:60.6/62

All: 0.000+/-0.000 χ^2/NDF: 102.6/119


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: 16349747.4/37
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: 26126882.4/71
In: 0.000+/-0.000 χ²/NDF:16841173.9/56
Out: 0.000+/-0.000 χ²/NDF:39874008.9/62
All: 0.000+/-0.000 χ²/NDF: 71766282.0/119



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: -13.791+/-281.930 χ^2/NDF: 34.0/37

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

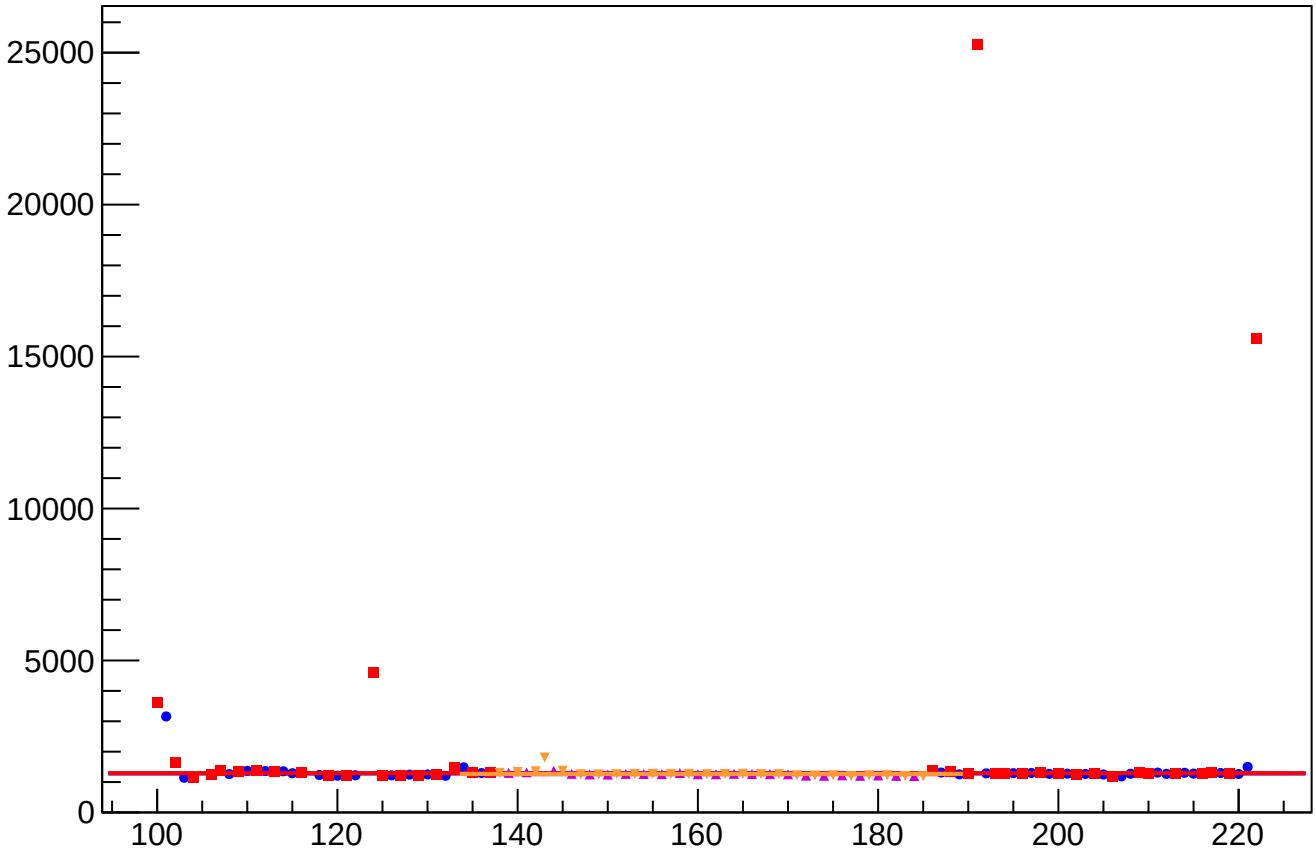
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -253.405+/-198.121 χ^2/NDF: 62.0/71

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 233.314+/-201.636 χ^2/NDF:82.5/62

All: -126.017+/-142.742 χ^2/NDF: 129.9/119



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: 1292.577+/-0.199 χ^2/NDF: 1955026.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

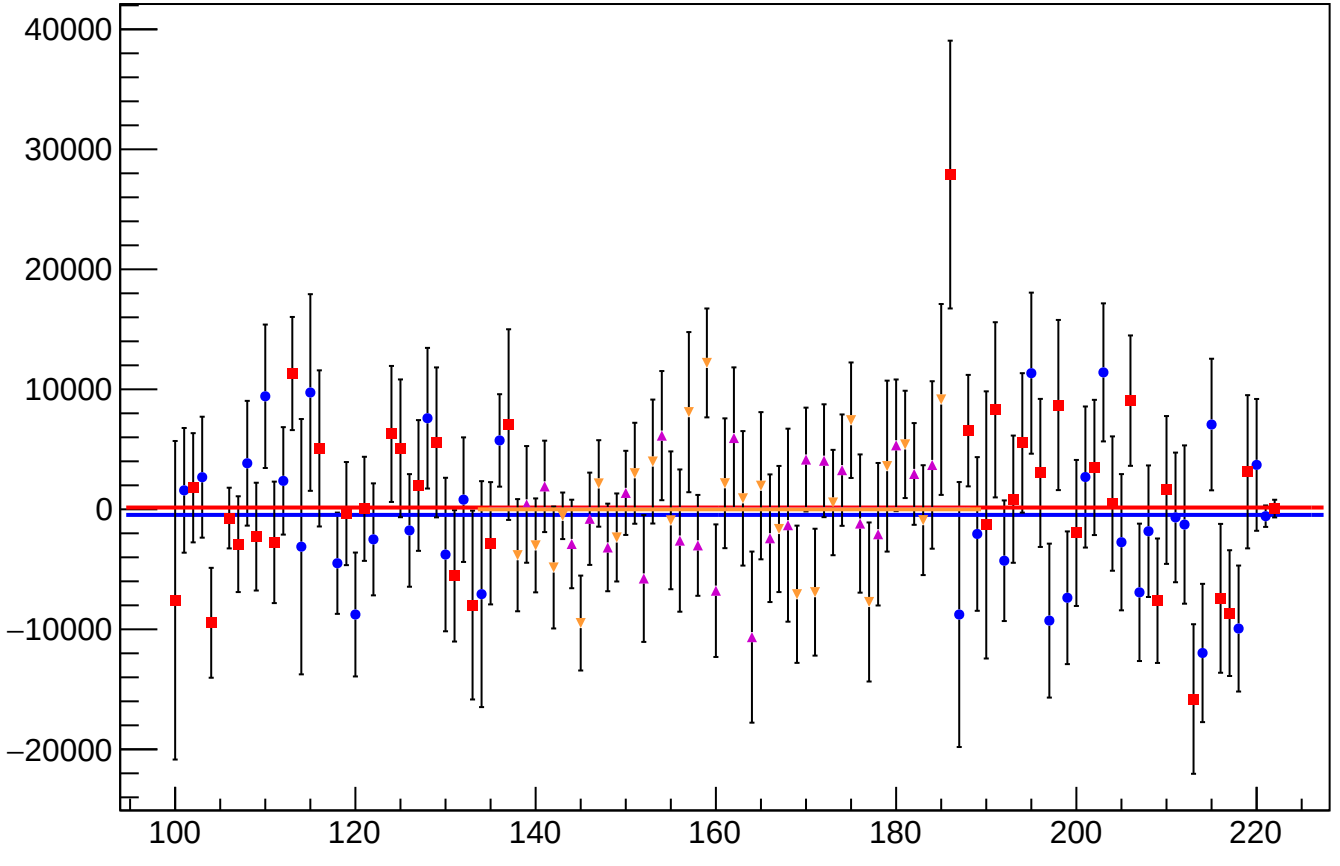
Right: 1287.285+/-0.140 χ^2/NDF: 2505044.3/71

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1280.078+/-0.143 χ^2/NDF:2150640.6/62

All: 1275.296+/-0.101 χ^2/NDF: 2745699.7/11

asym_atl_dd_atr_dd_avg_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: 149.322+/-563.738 χ^2/NDF: 46.9/37

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

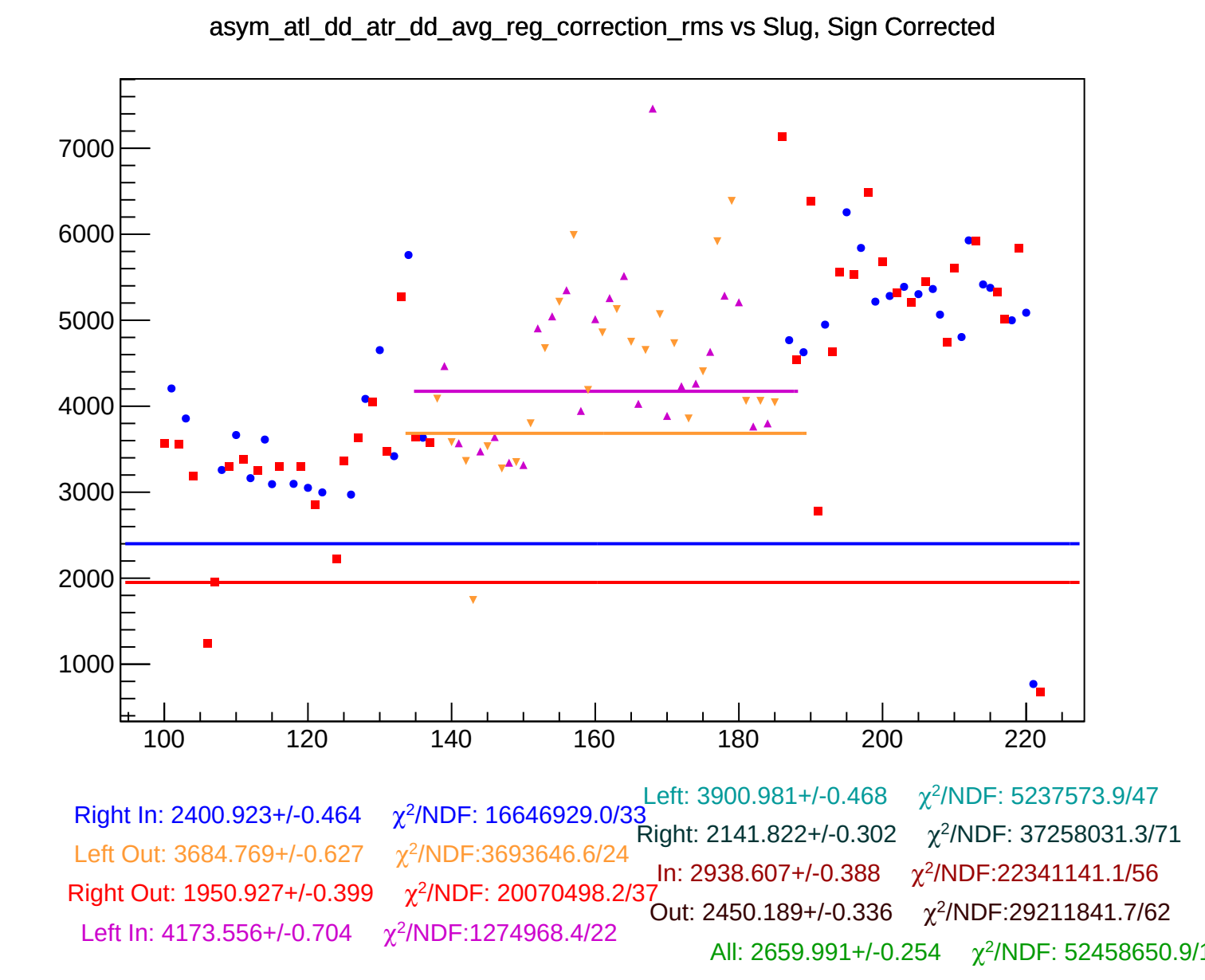
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

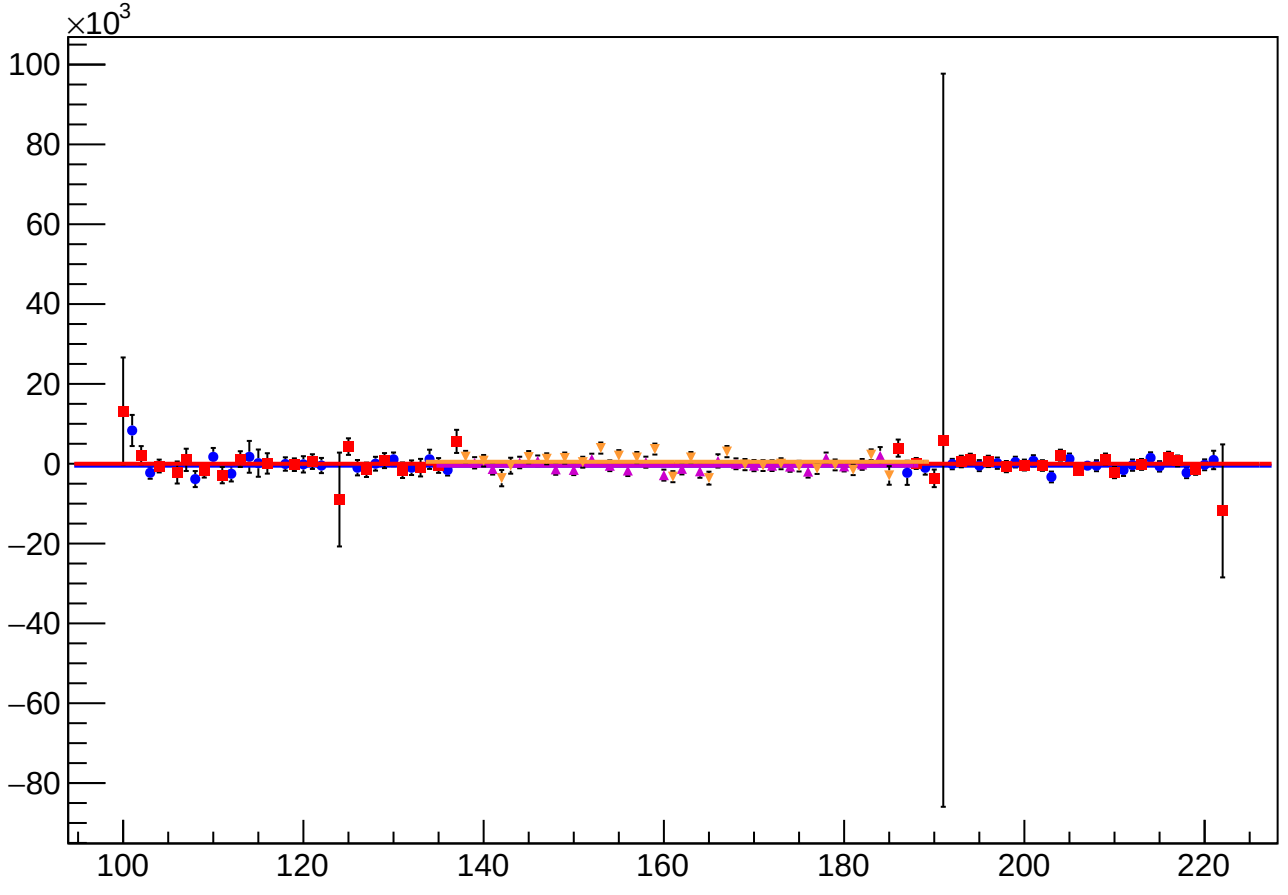
Right: -111.170+/-427.767 χ^2/NDF: 85.9/71

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 106.151+/-475.699 χ^2/NDF:75.9/62

All: -74.407+/-359.285 χ^2/NDF: 129.1/119


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.923+/-0.464 χ²/NDF: 16646929.0/33
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 1950.927+/-0.399 χ²/NDF: 20070498.2/37
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 2141.822+/-0.302 χ²/NDF: 37258031.3/71
In: 2938.607+/-0.388 χ²/NDF:22341141.1/56
Out: 2450.189+/-0.336 χ²/NDF:29211841.7/62
All: 2659.991+/-0.254 χ²/NDF: 52458650.9/1



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

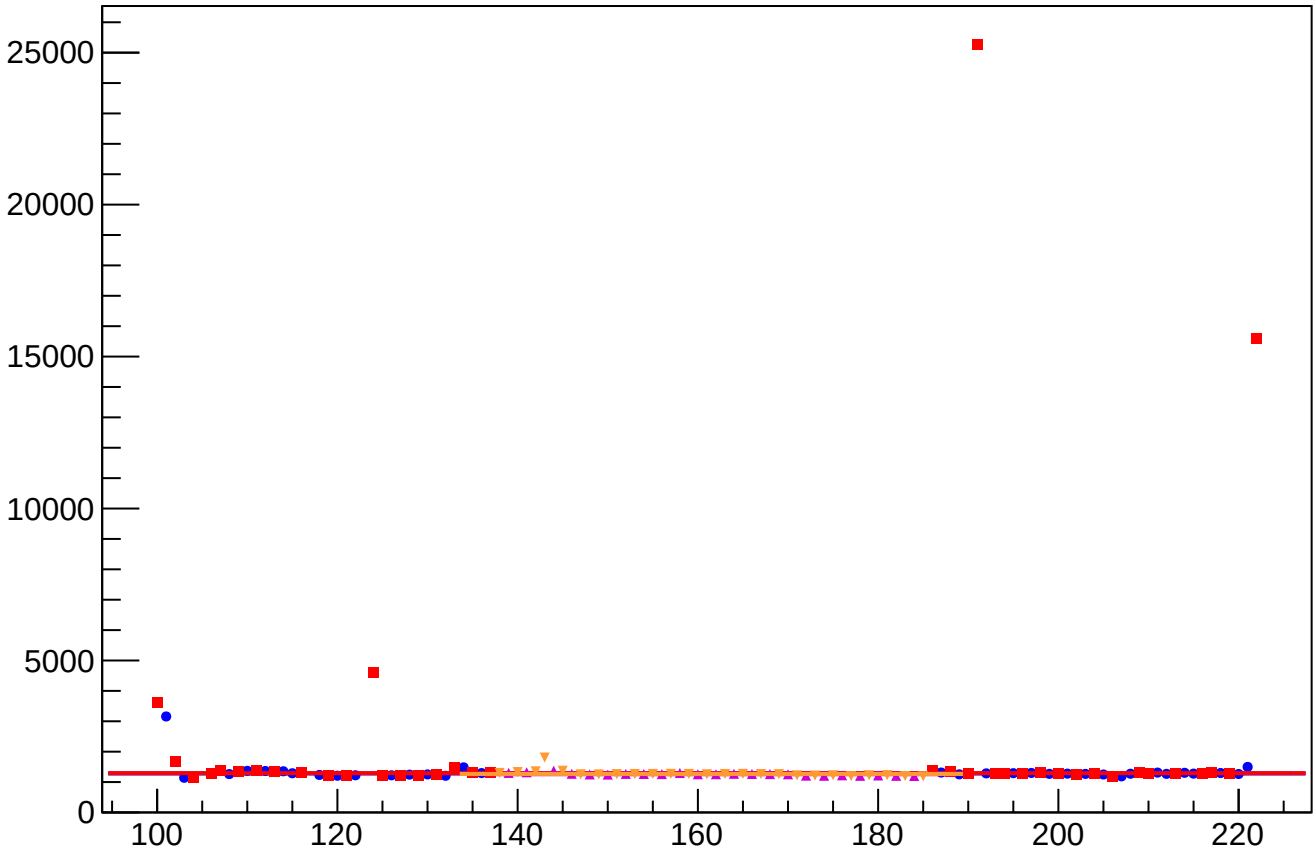
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

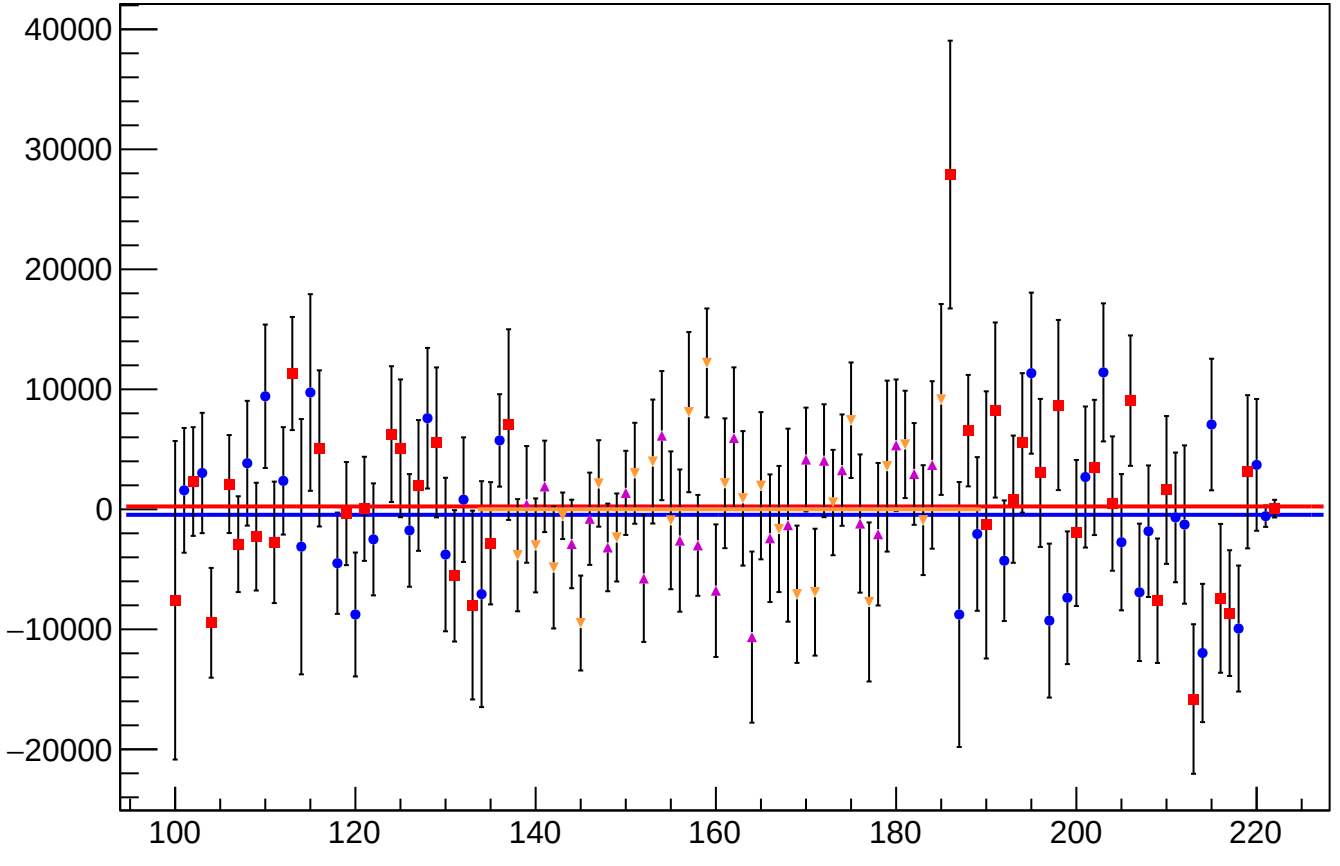
Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

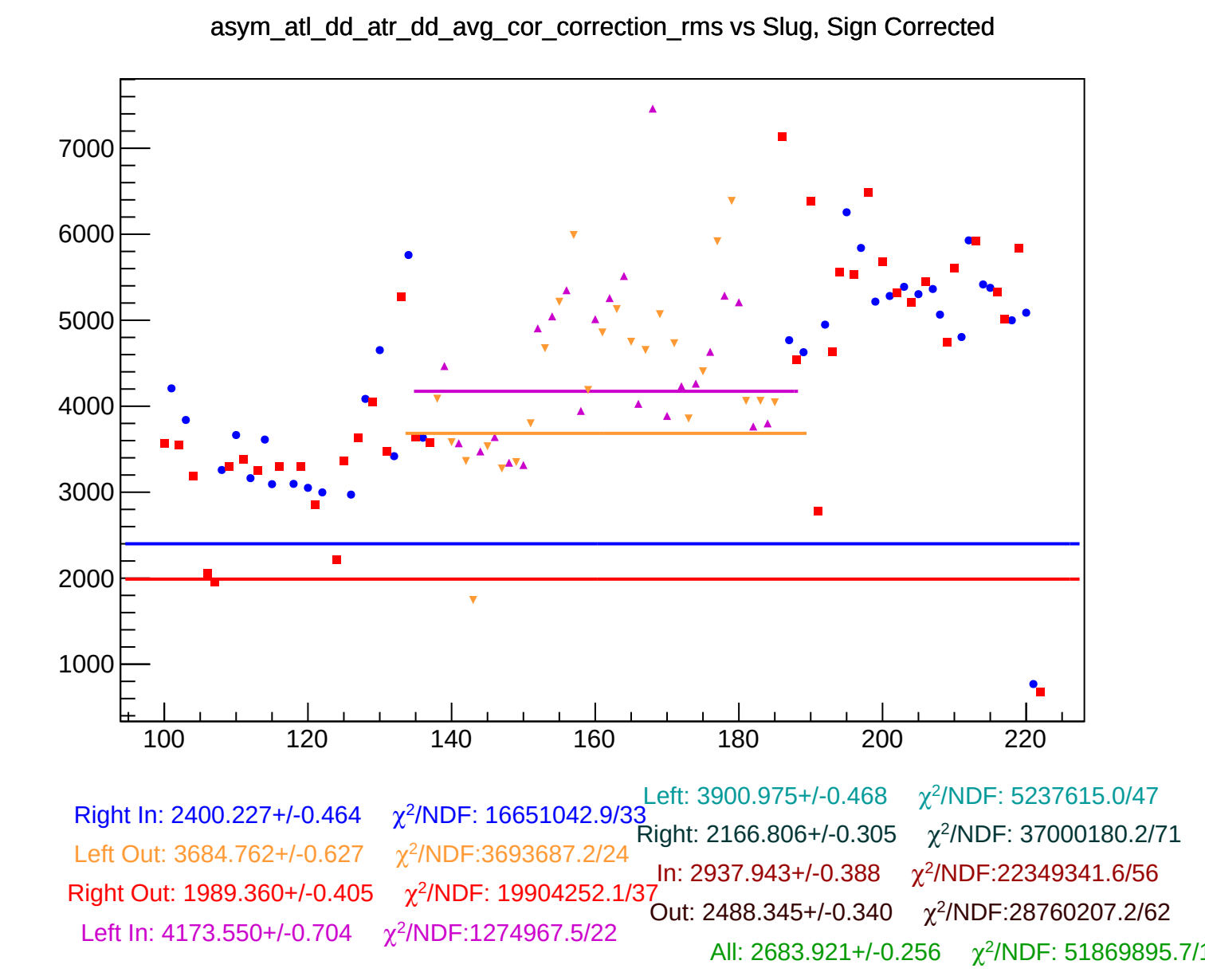
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

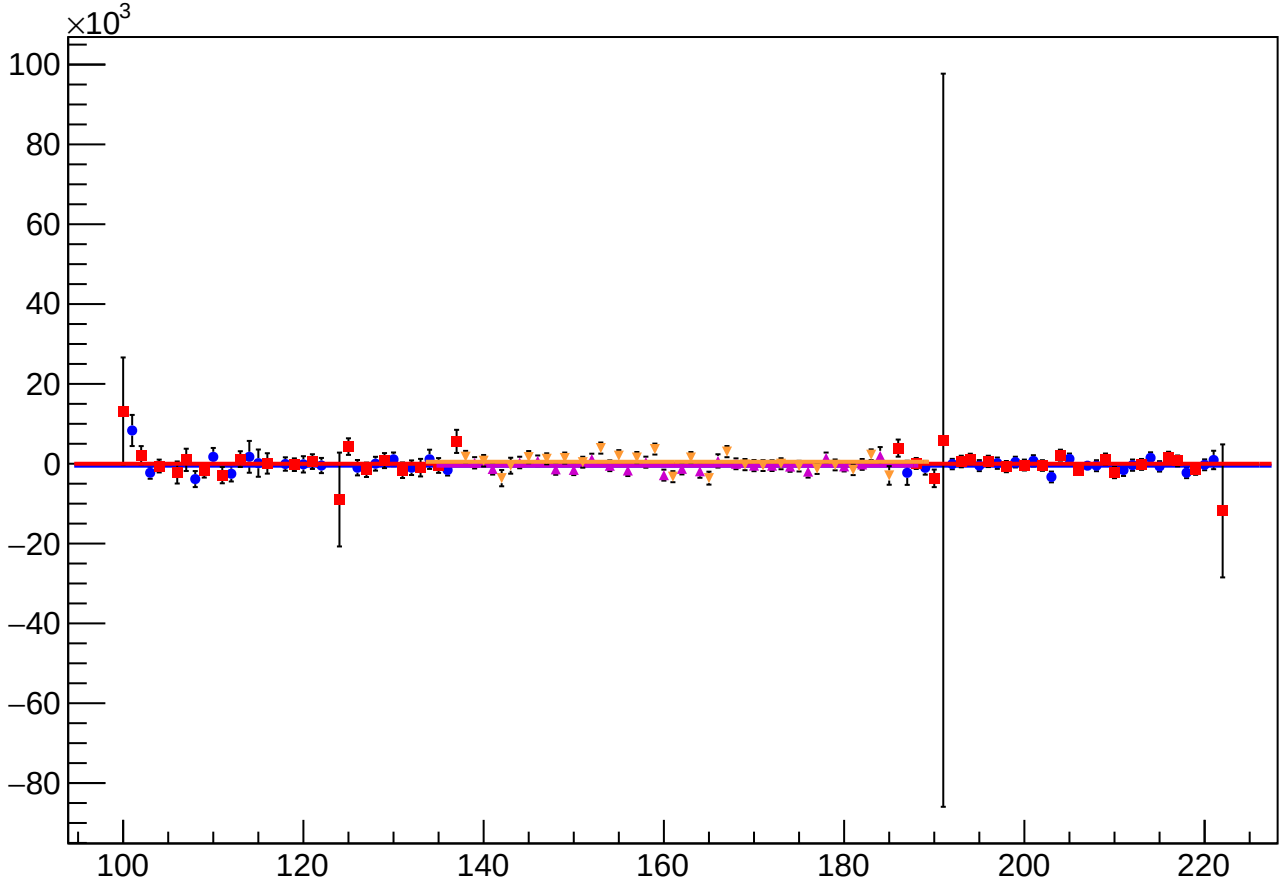
Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1989.360+/-0.405 χ²/NDF: 19904252.1/37
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2166.806+/-0.305 χ²/NDF: 37000180.2/71
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2488.345+/-0.340 χ²/NDF:28760207.2/62
All: 2683.921+/-0.256 χ²/NDF: 51869895.7/1



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: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

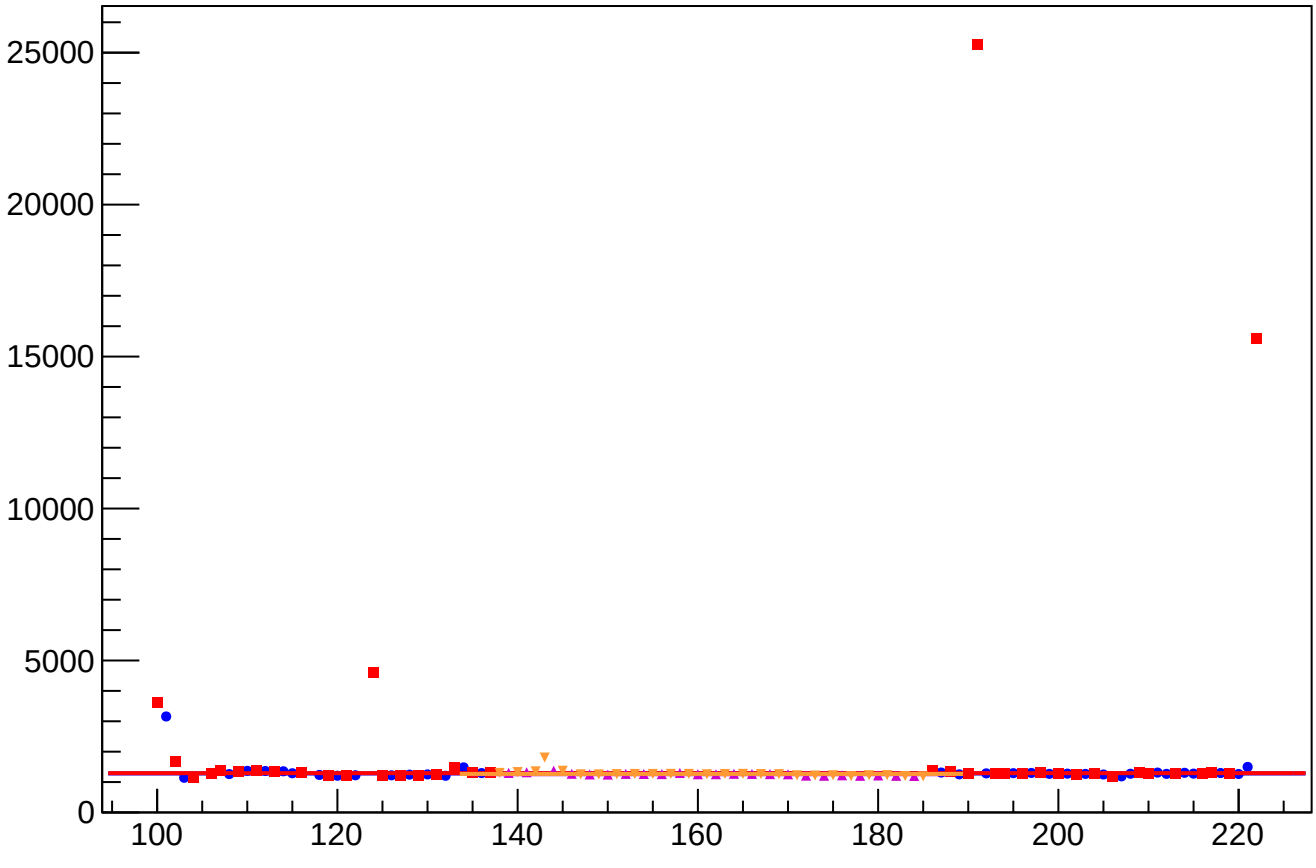
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

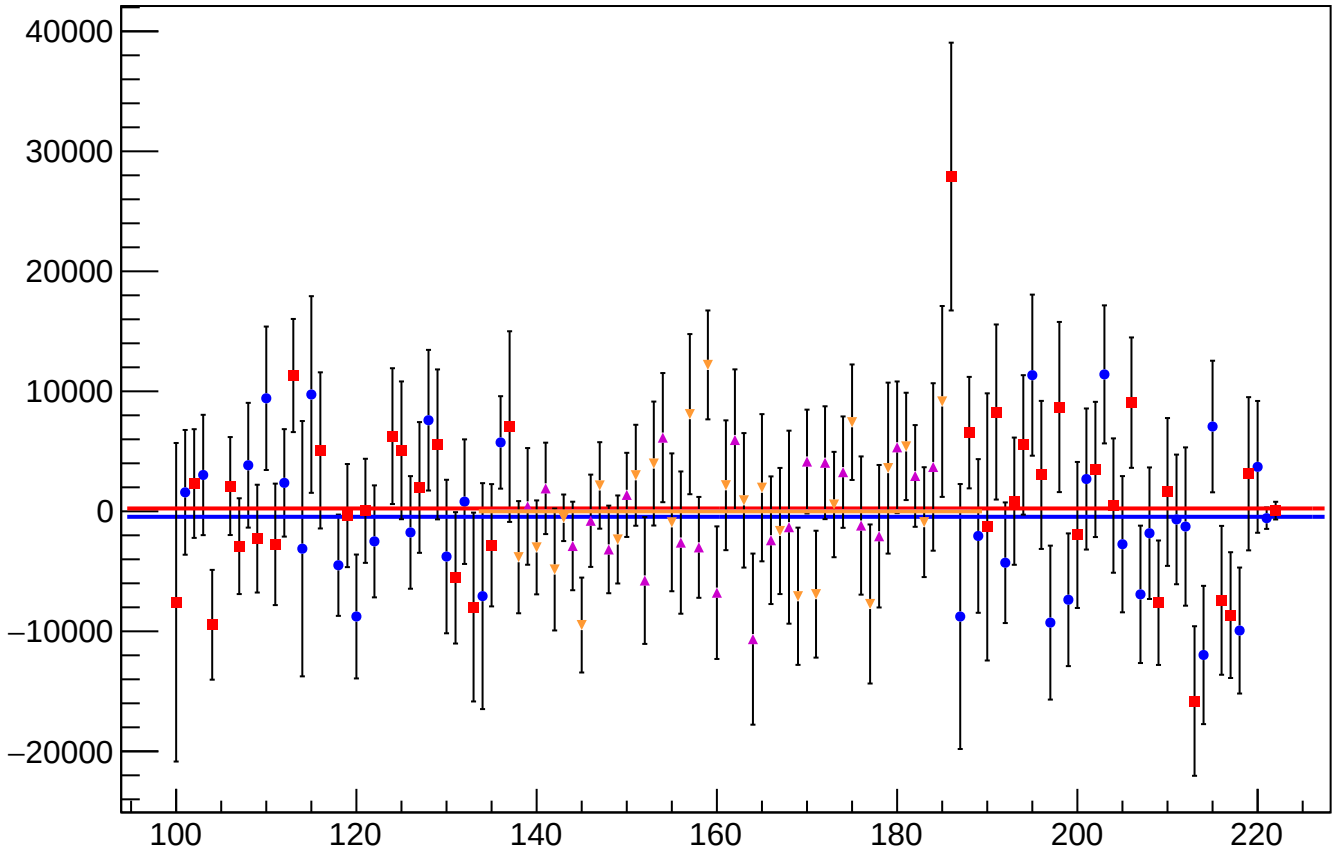
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11



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: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

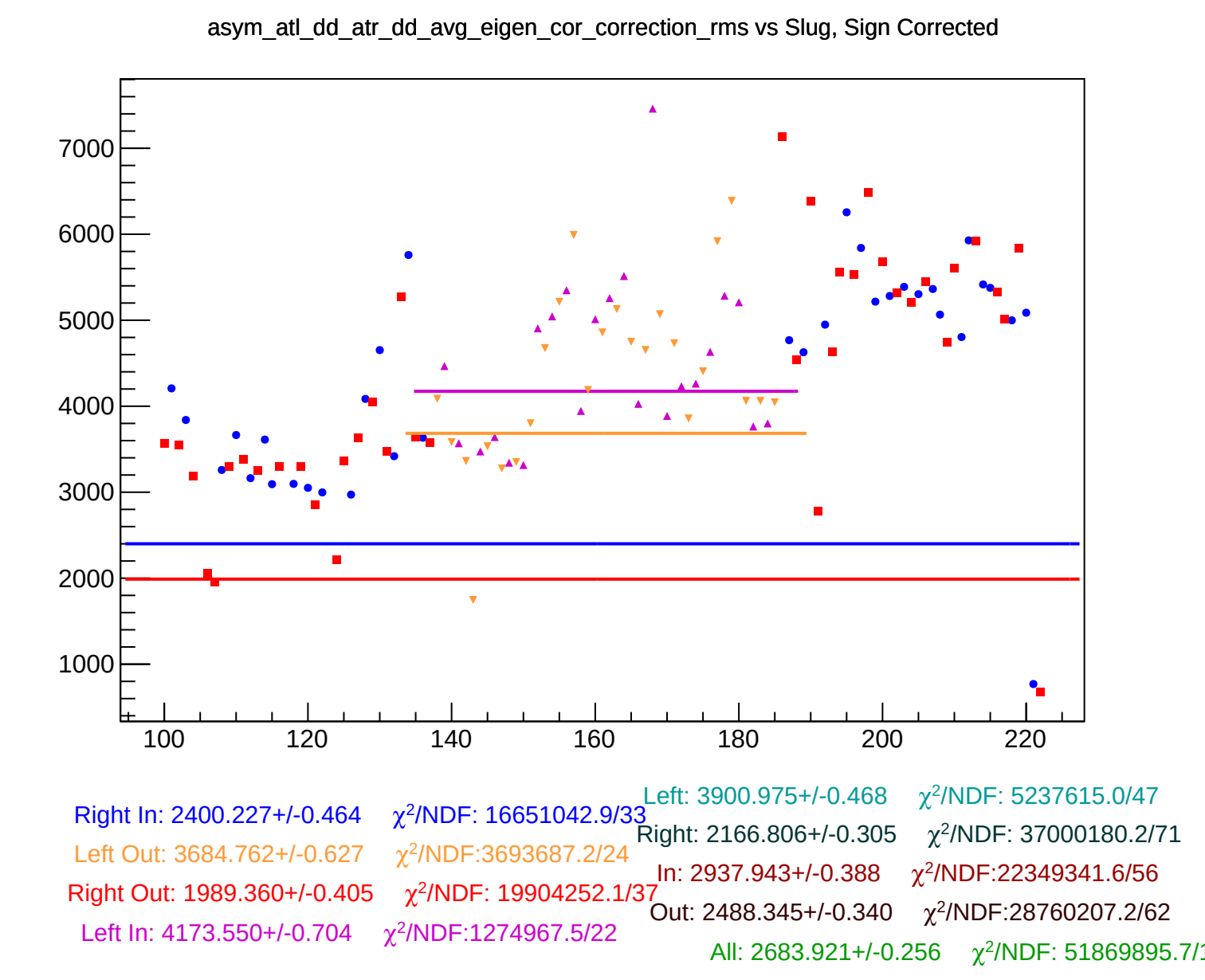
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

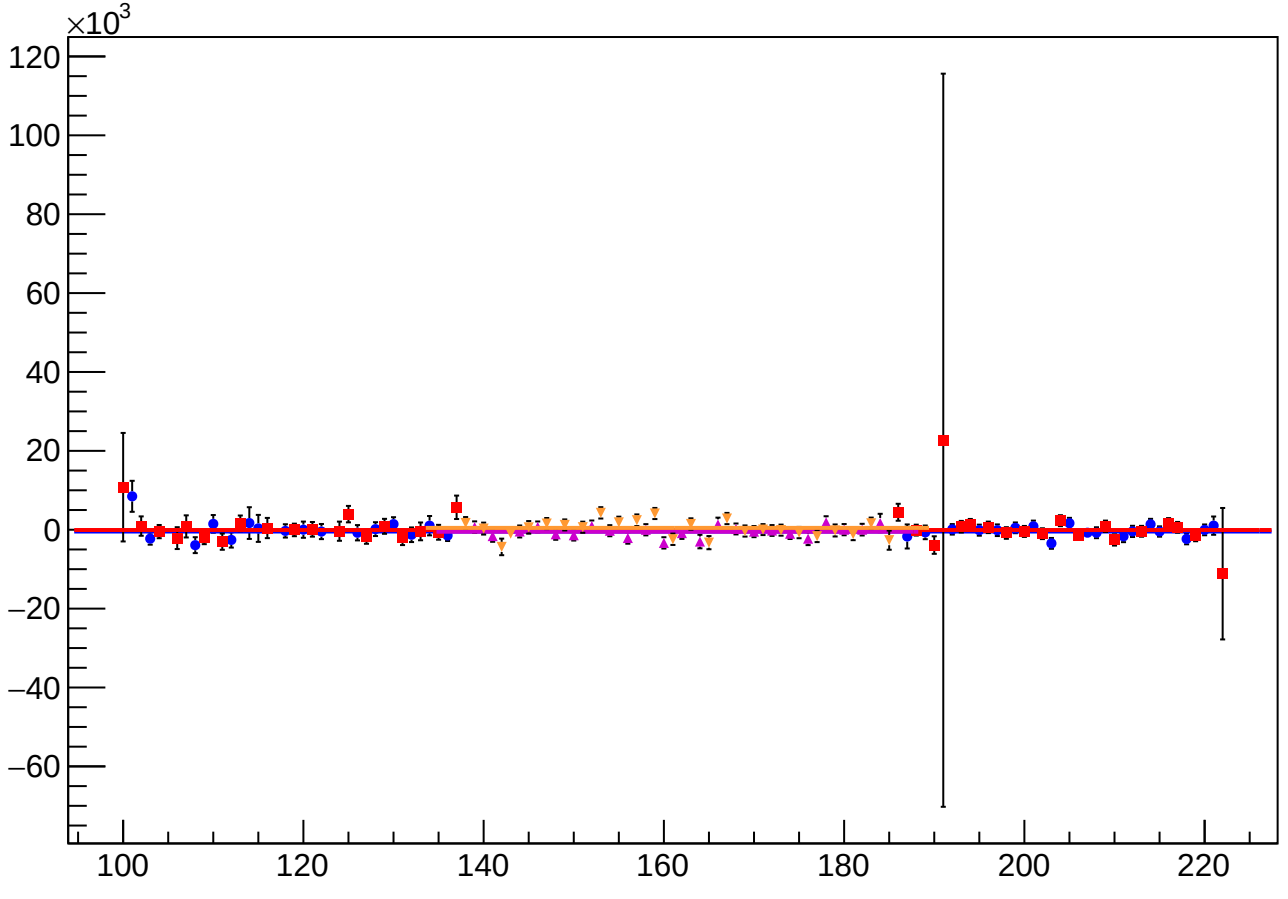
Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1989.360+/-0.405 χ²/NDF: 19904252.1/37
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2166.806+/-0.305 χ²/NDF: 37000180.2/71
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2488.345+/-0.340 χ²/NDF:28760207.2/62
All: 2683.921+/-0.256 χ²/NDF: 51869895.7/1



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: -69.458+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

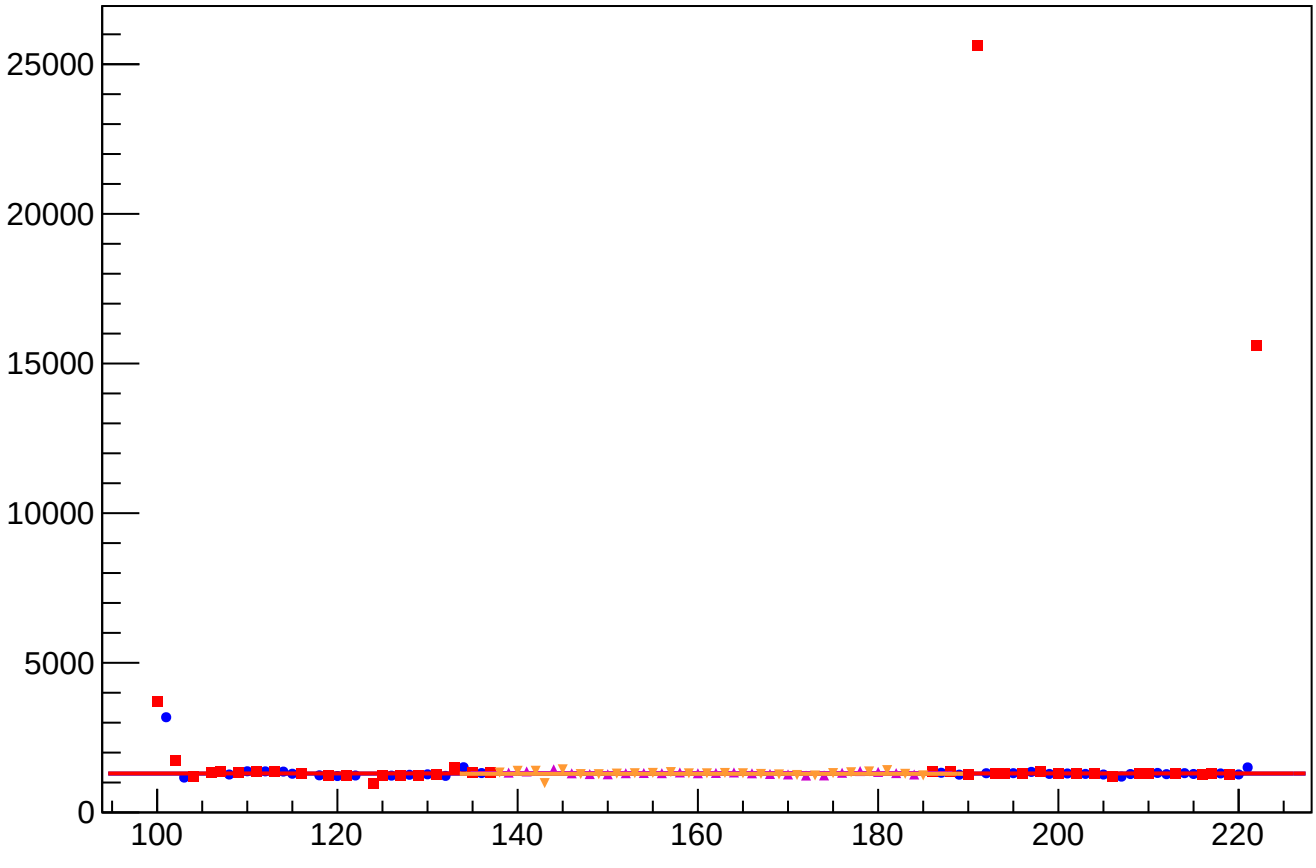
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 189.729+/-204.357 χ^2/NDF:81.4/62

All: -136.635+/-145.637 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

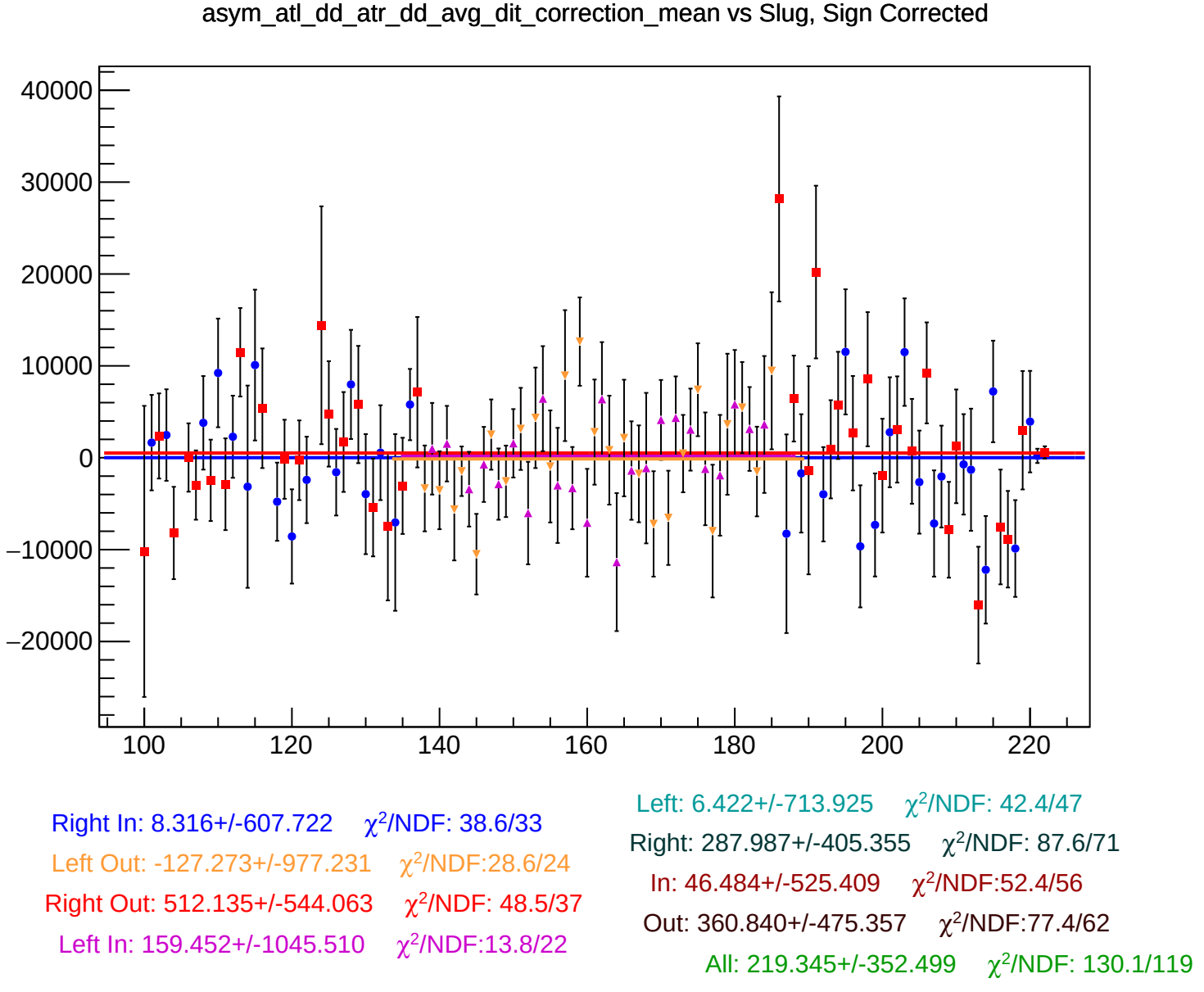
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

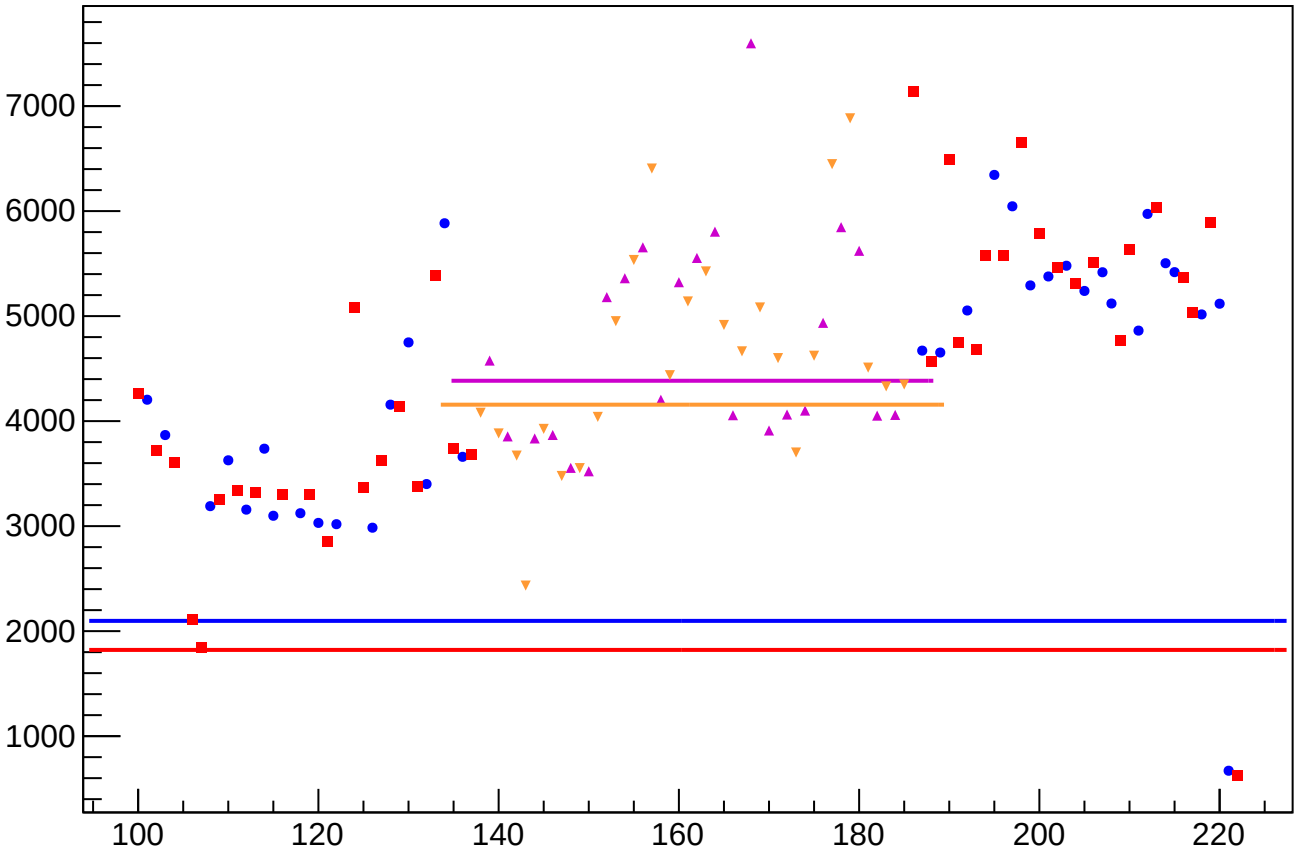
Right: 1300.437+/-0.141 χ^2/NDF: 2396463.4/71

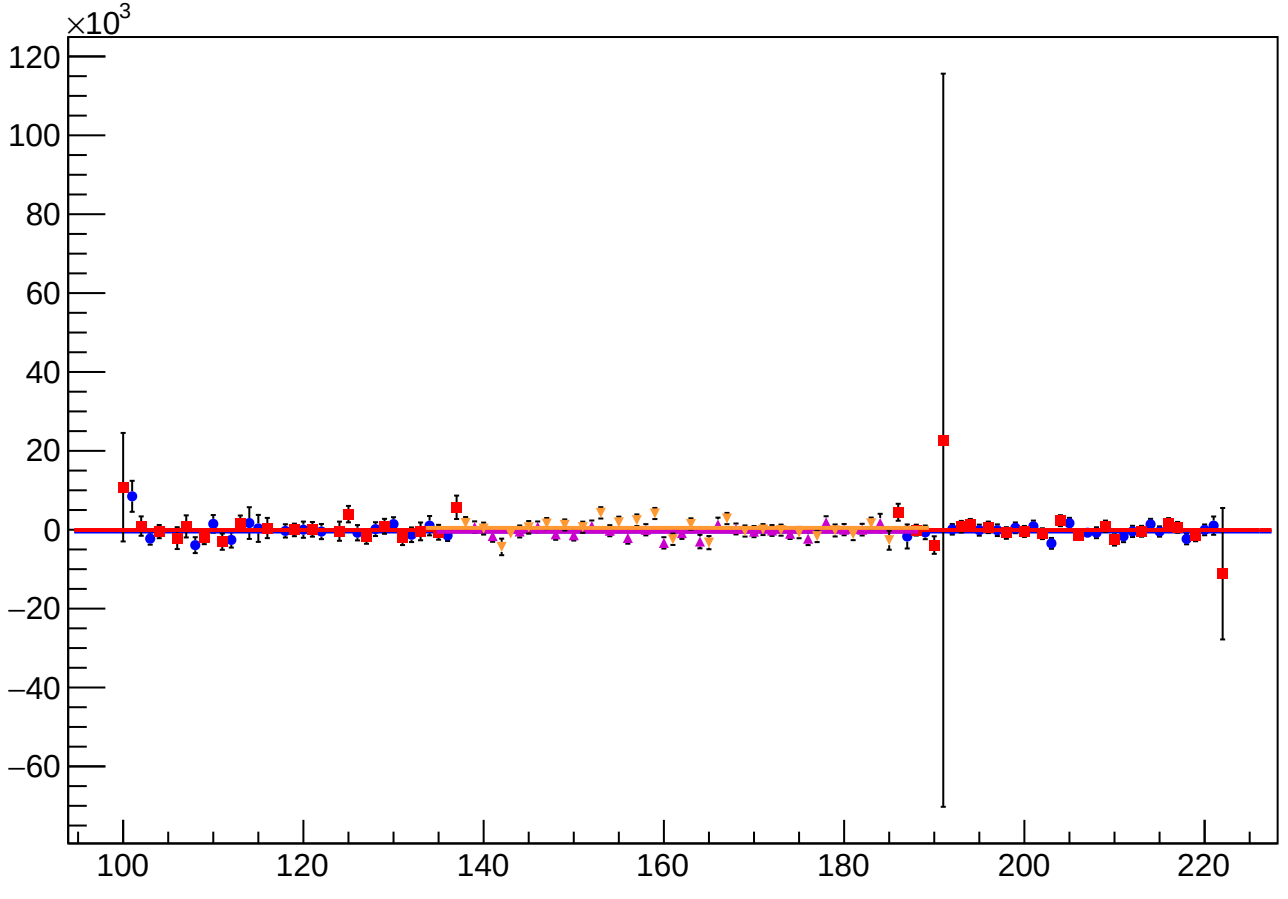
In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1297.675+/-0.144 χ^2/NDF:2081273.4/62

All: 1301.229+/-0.103 χ^2/NDF: 2676055.7/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 8.316+/-607.722 χ²/NDF: 38.6/33
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 512.135+/-544.063 χ²/NDF: 48.5/37
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 287.987+/-405.355 χ²/NDF: 87.6/71
In: 46.484+/-525.409 χ²/NDF:52.4/56
Out: 360.840+/-475.357 χ²/NDF:77.4/62
All: 219.345+/-352.499 χ²/NDF: 130.1/119


asym_atl_dd_atr_dd_avg_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: 1821.116+/-0.385 χ²/NDF: 22137852.6/37
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 1944.162+/-0.287 χ²/NDF: 41938749.6/71
In: 2675.167+/-0.372 χ²/NDF:27977193.8/56
Out: 2373.727+/-0.336 χ²/NDF:32938791.4/62
All: 2509.409+/-0.249 χ²/NDF: 61277986.6/



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: -69.459+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

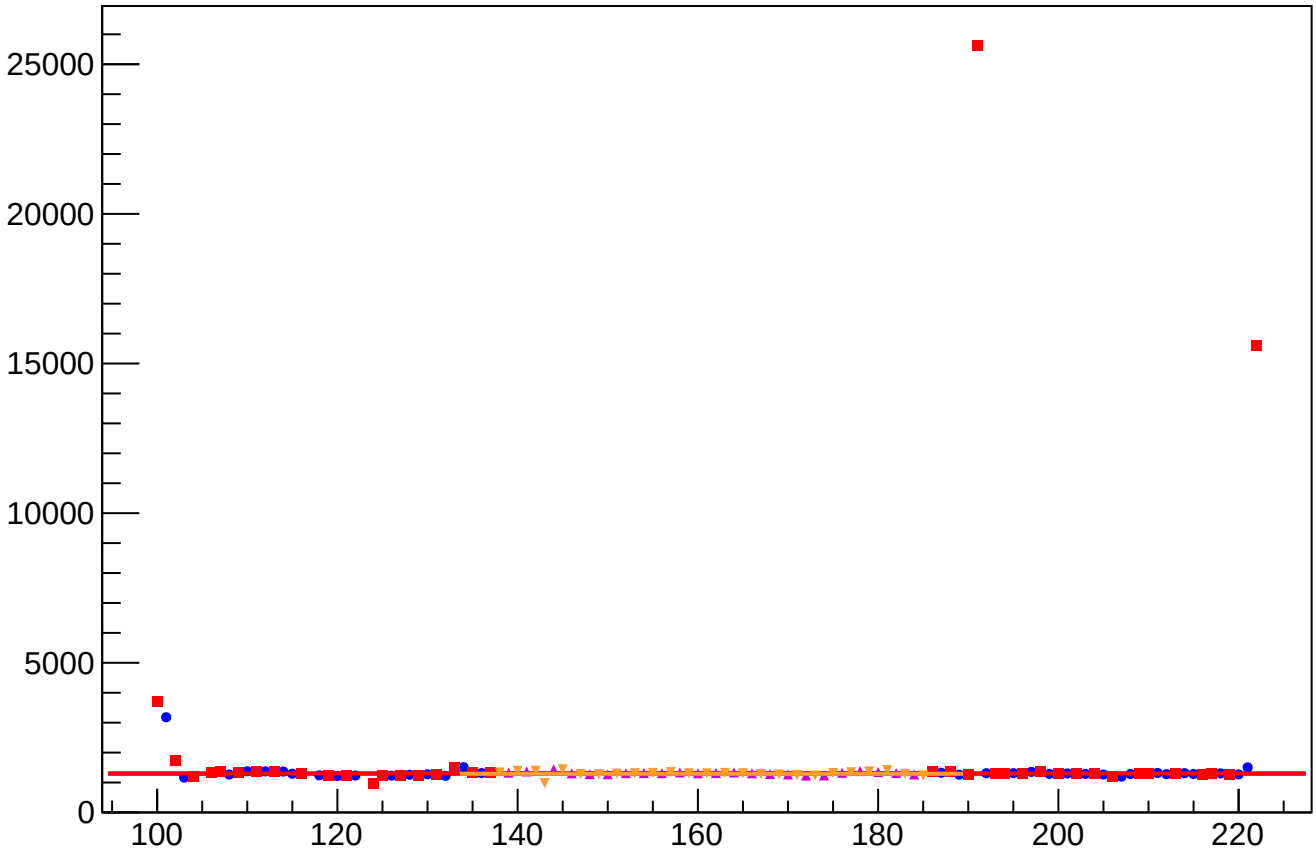
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 189.730+/-204.357 χ^2/NDF:81.4/62

All: -136.634+/-145.638 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

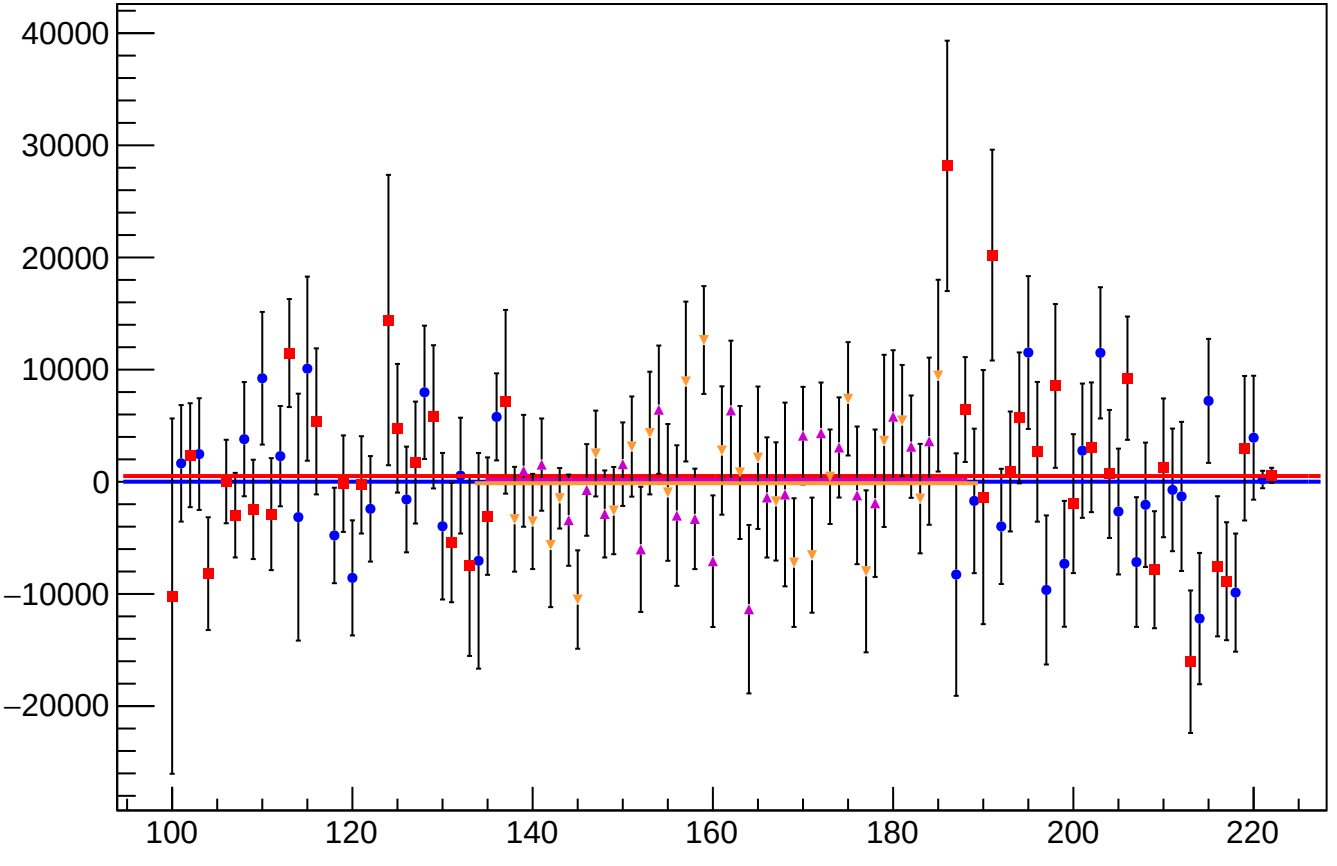
Right: 1300.437+/-0.141 χ^2/NDF: 2396463.6/71

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1297.675+/-0.144 χ^2/NDF:2081275.6/62

All: 1301.230+/-0.103 χ^2/NDF: 2676060.6/11

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: 512.136+/-544.064 χ^2/NDF: 48.5/37

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

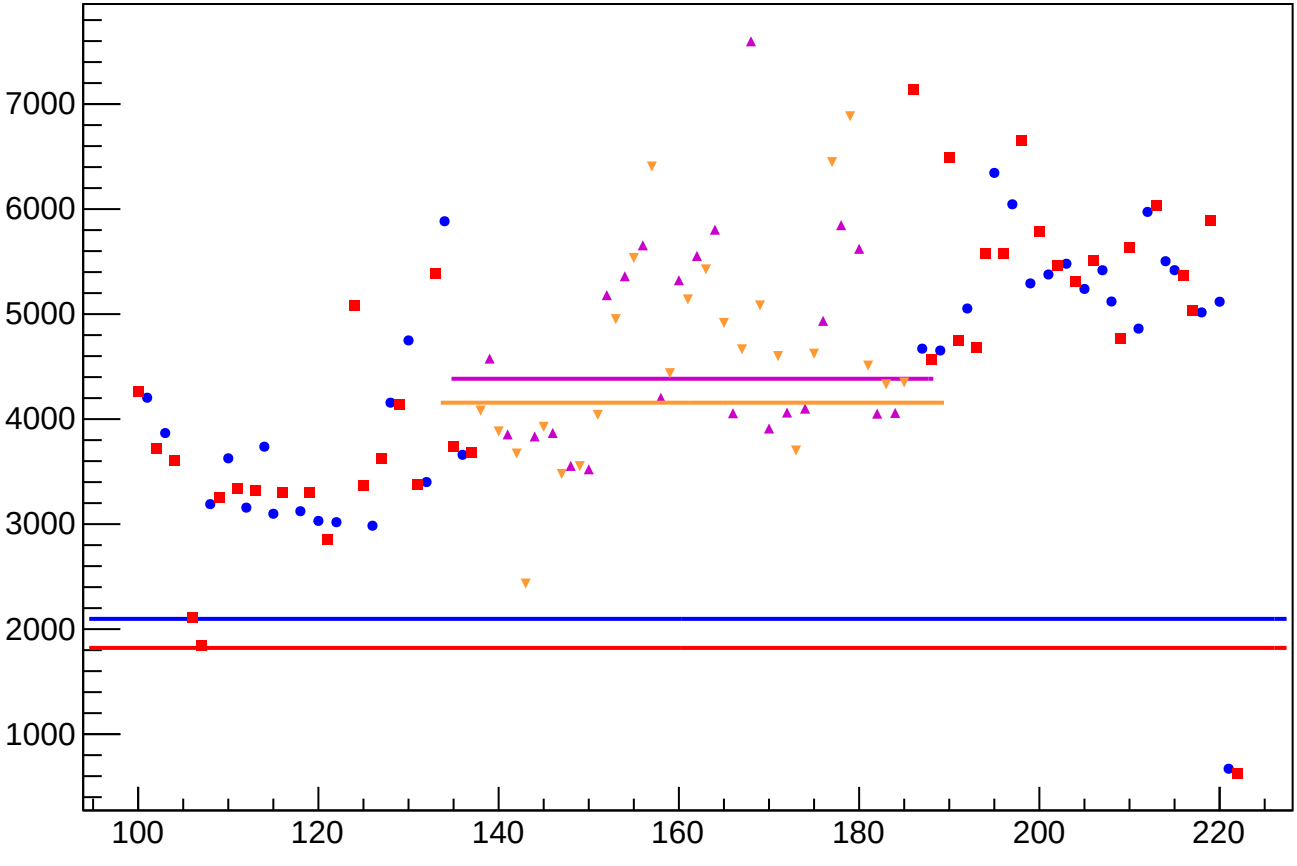
Right: 287.991+/-405.356 χ^2/NDF: 87.6/71

In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 360.842+/-475.359 χ^2/NDF:77.4/62

All: 219.348+/-352.500 χ^2/NDF: 130.1/119

asym_atl_dd_atr_dd_avg_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: 1821.126+/-0.385 χ^2/NDF: 22137753.5/37

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

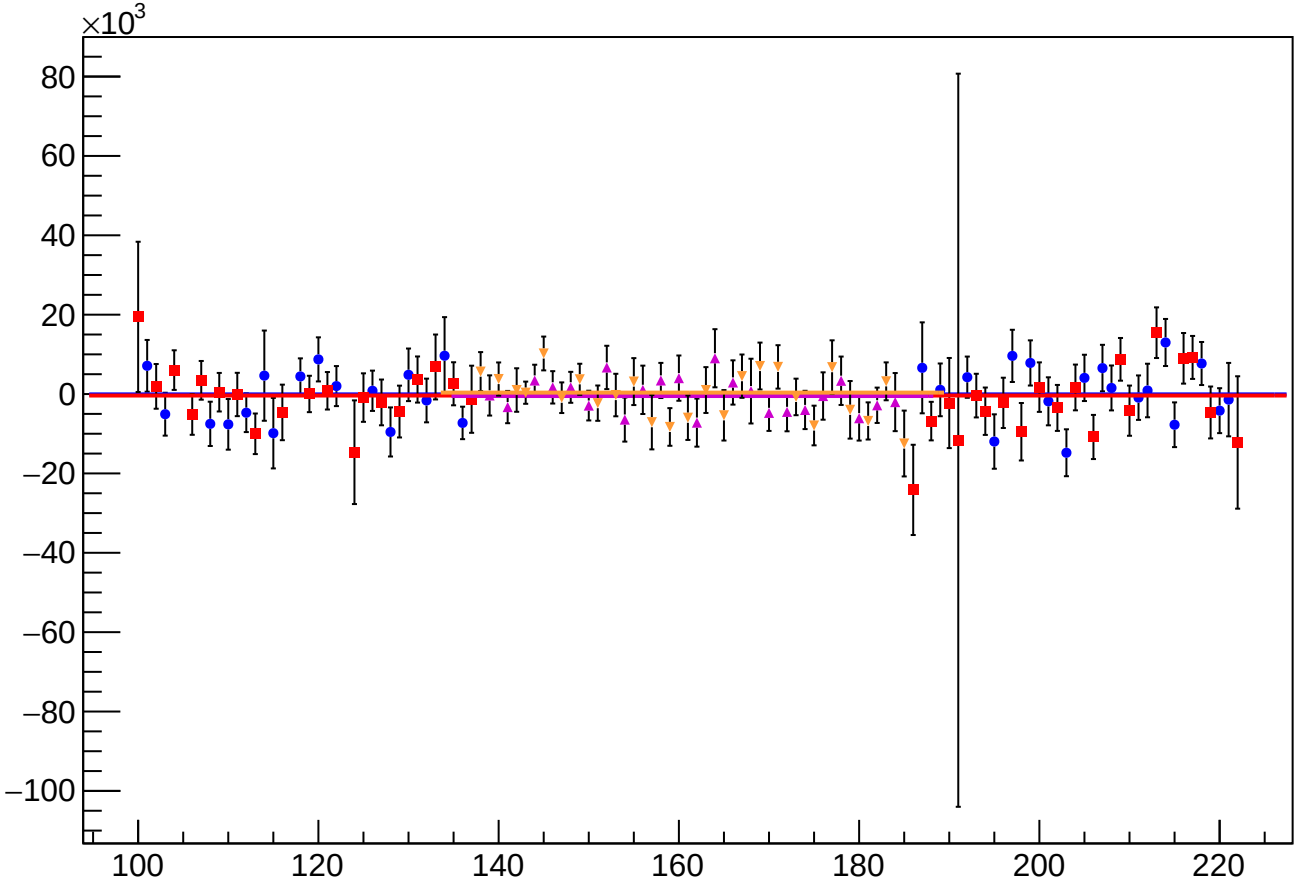
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 1944.175+/-0.287 χ^2/NDF: 41938503.9/71

In: 2675.184+/-0.372 χ^2/NDF:27976943.3/56

Out: 2373.737+/-0.336 χ^2/NDF:32938640.4/62

All: 2509.422+/-0.249 χ^2/NDF: 61277599.8/



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -373.022+/-994.542 χ^2/NDF: 39.6/37

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

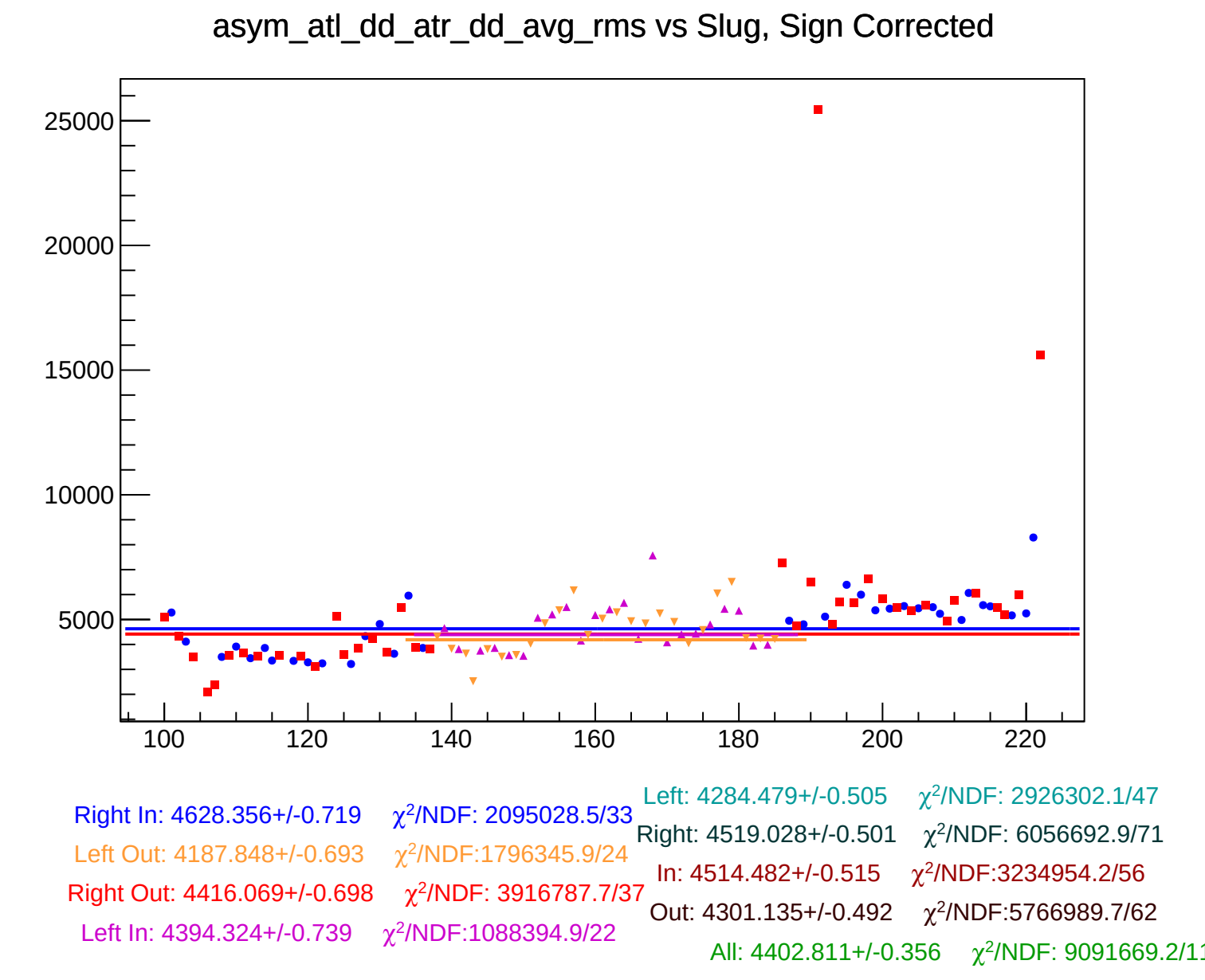
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

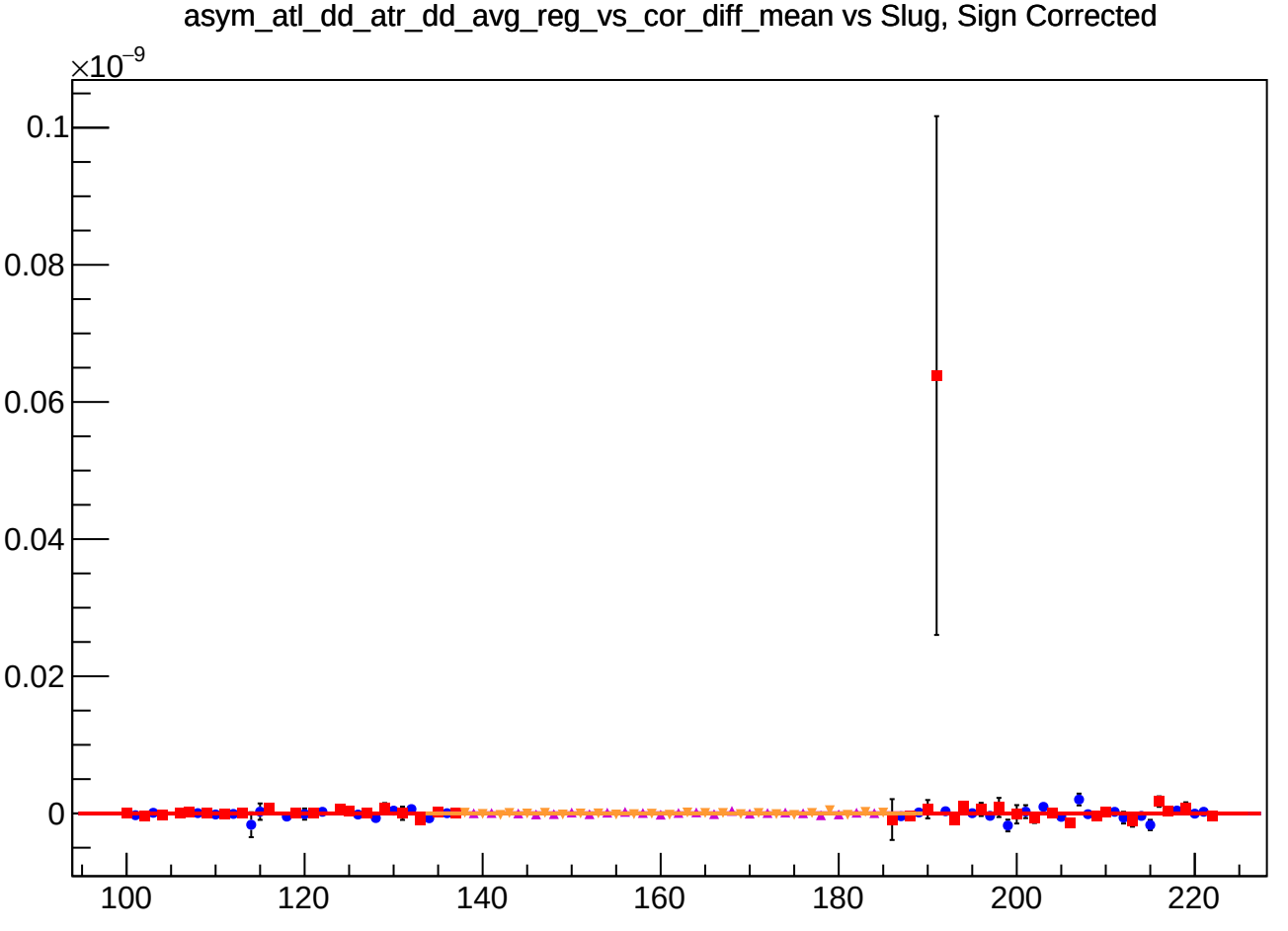
Right: -232.254+/-711.065 χ^2/NDF: 83.6/71

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 0.222+/-697.999 χ^2/NDF:67.6/62

All: -136.605+/-504.076 χ^2/NDF: 125.6/119


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4628.356+/-0.719 χ²/NDF: 2095028.5/33
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4416.069+/-0.698 χ²/NDF: 3916787.7/37
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4519.028+/-0.501 χ²/NDF: 6056692.9/71
In: 4514.482+/-0.515 χ²/NDF:3234954.2/56
Out: 4301.135+/-0.492 χ²/NDF:5766989.7/62
All: 4402.811+/-0.356 χ²/NDF: 9091669.2/11



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: 44.9/37

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

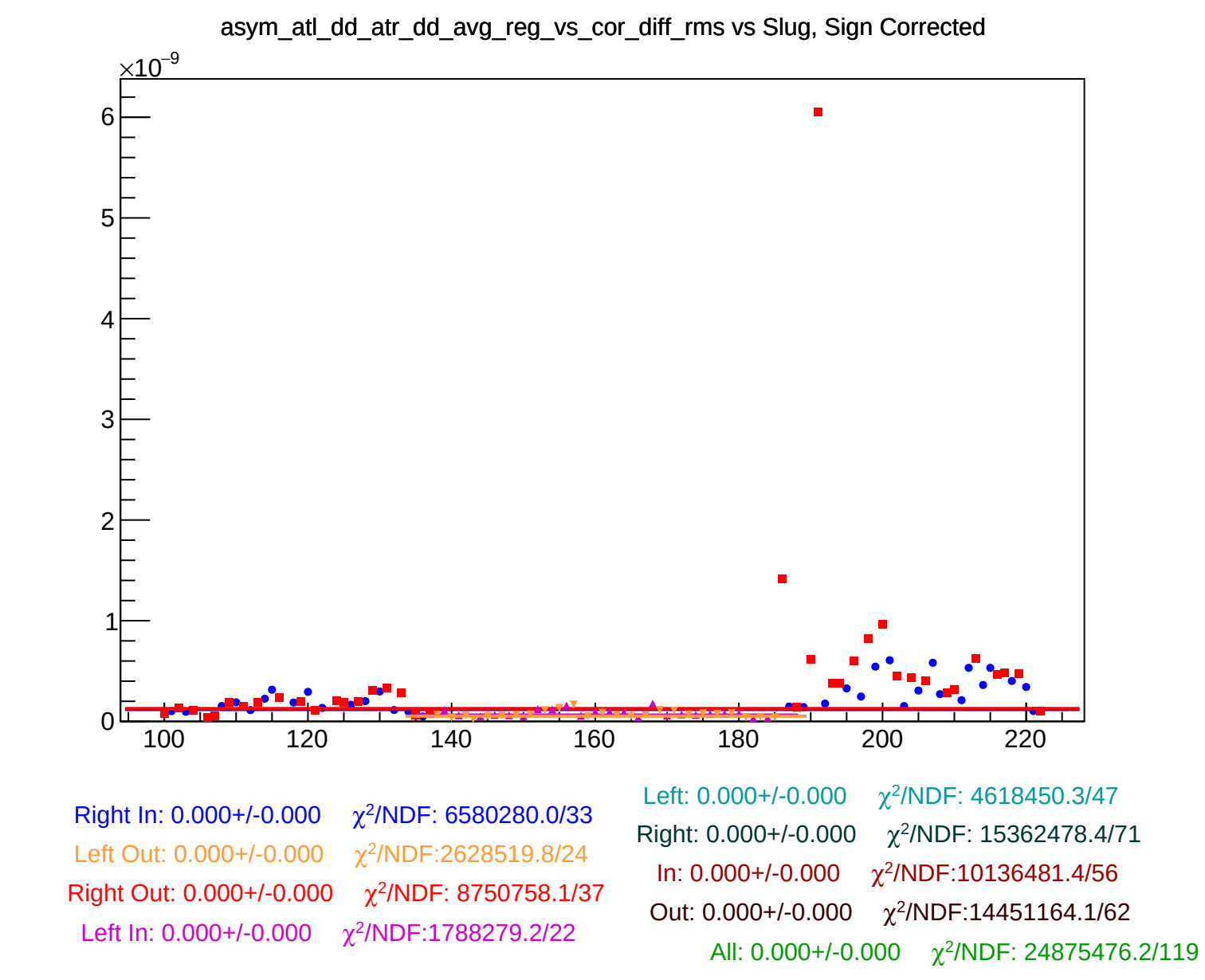
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/71

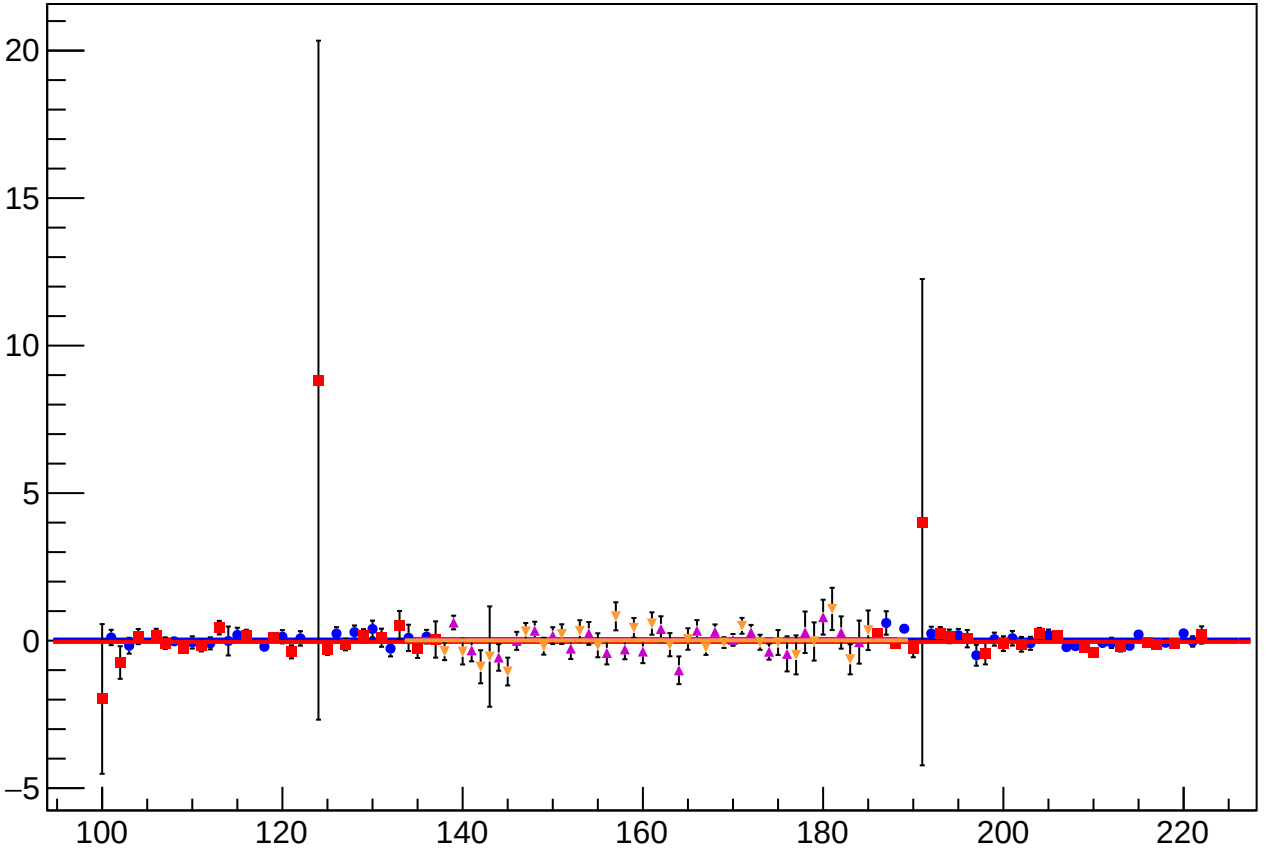
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 135.4/119


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6580280.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8750758.1/37
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: 15362478.4/71
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14451164.1/62
All: 0.000+/-0.000 χ²/NDF: 24875476.2/119

asym_atl_dd_atr_dd_avg_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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

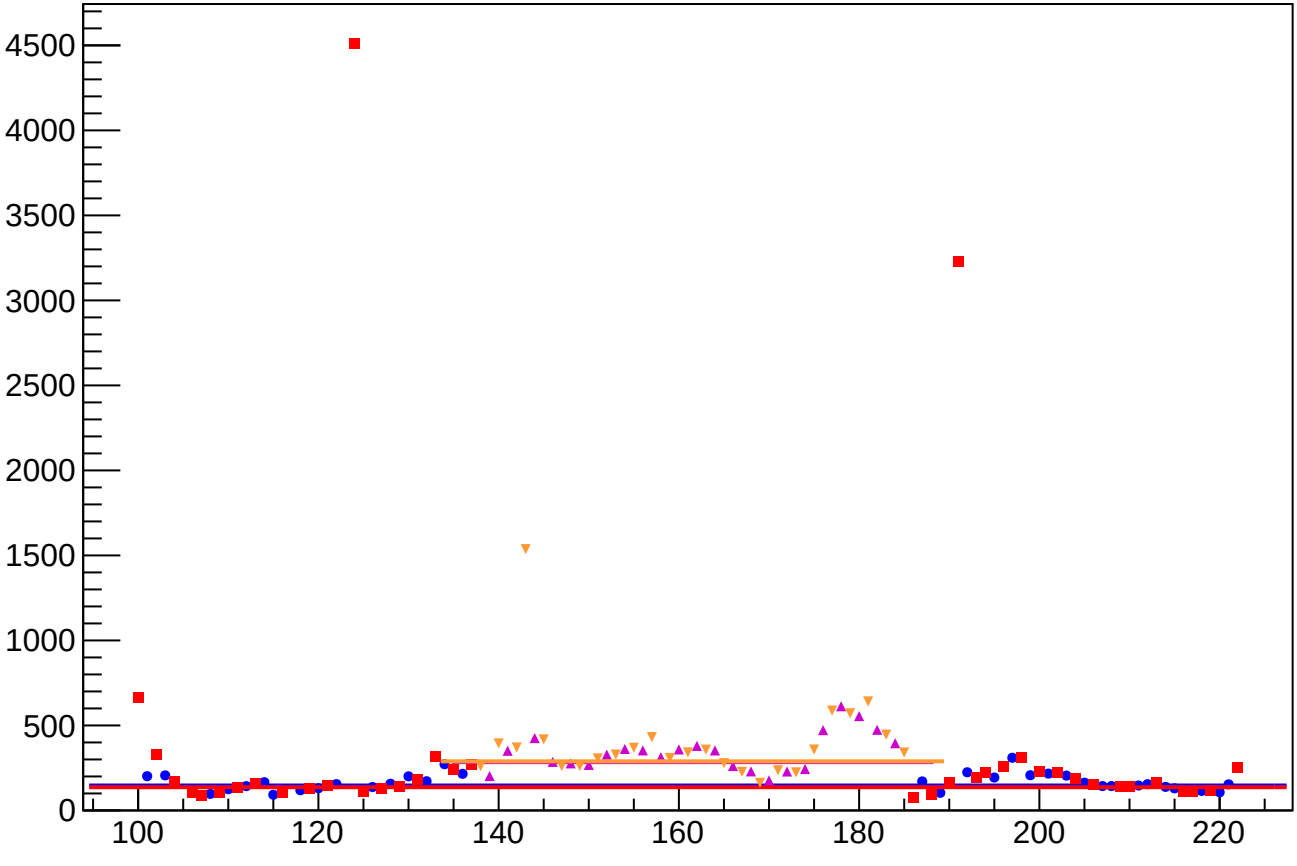
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

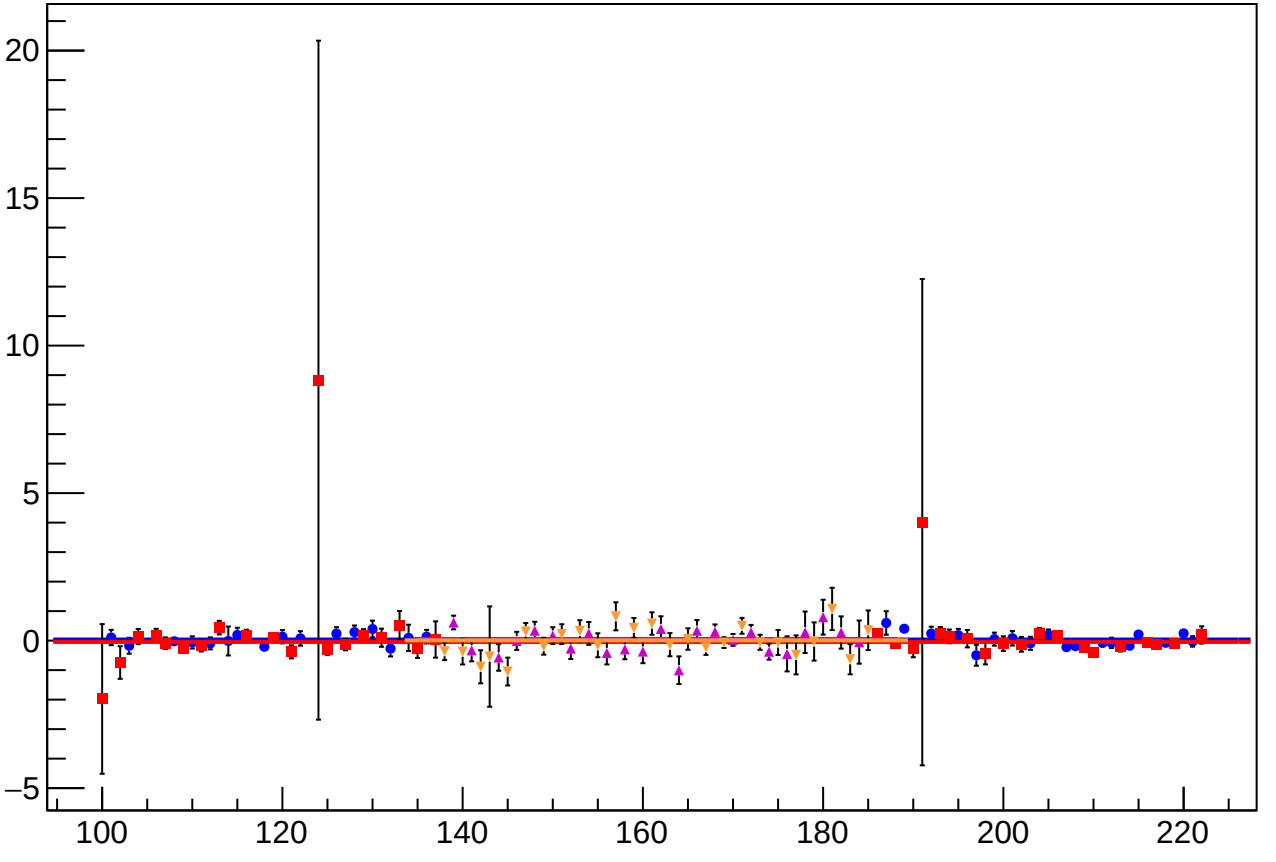
Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/1

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

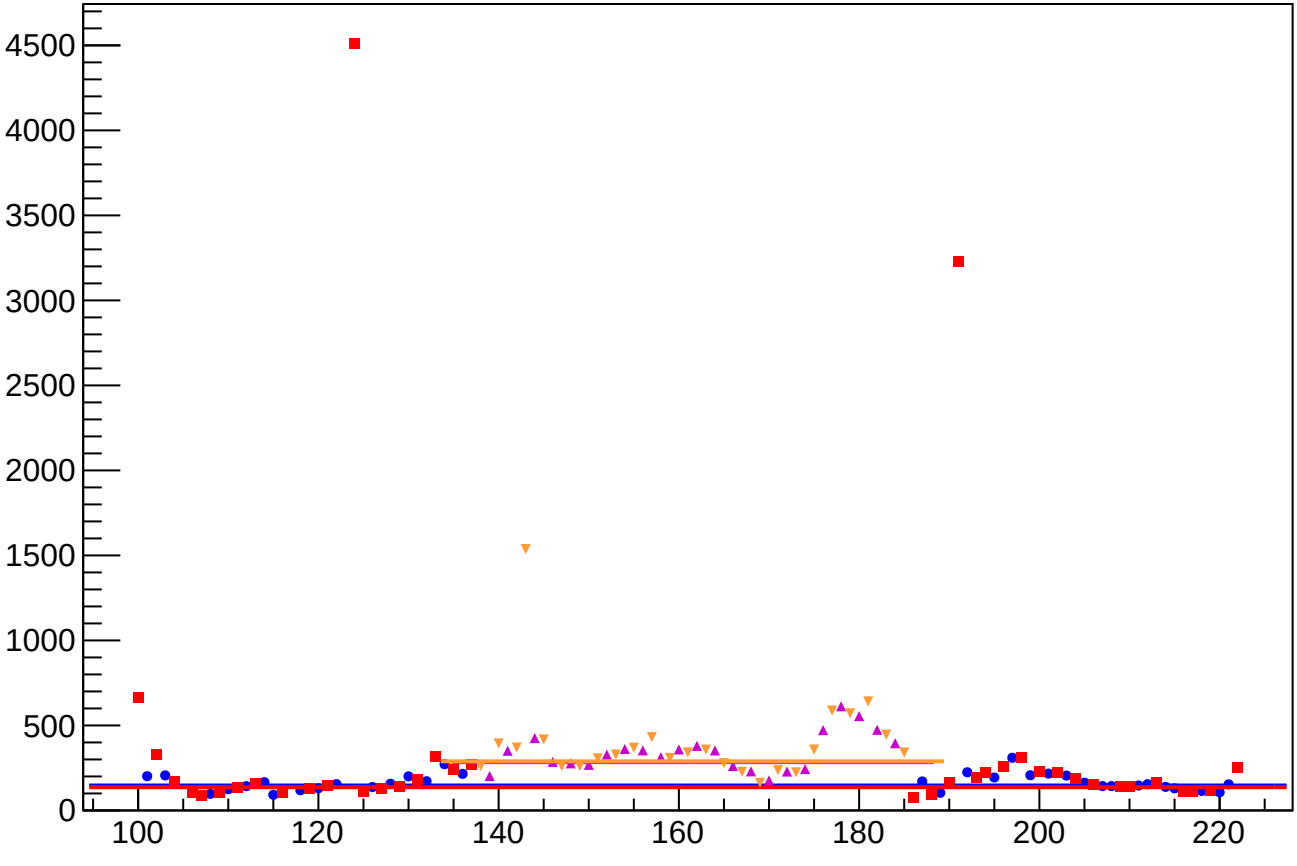
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

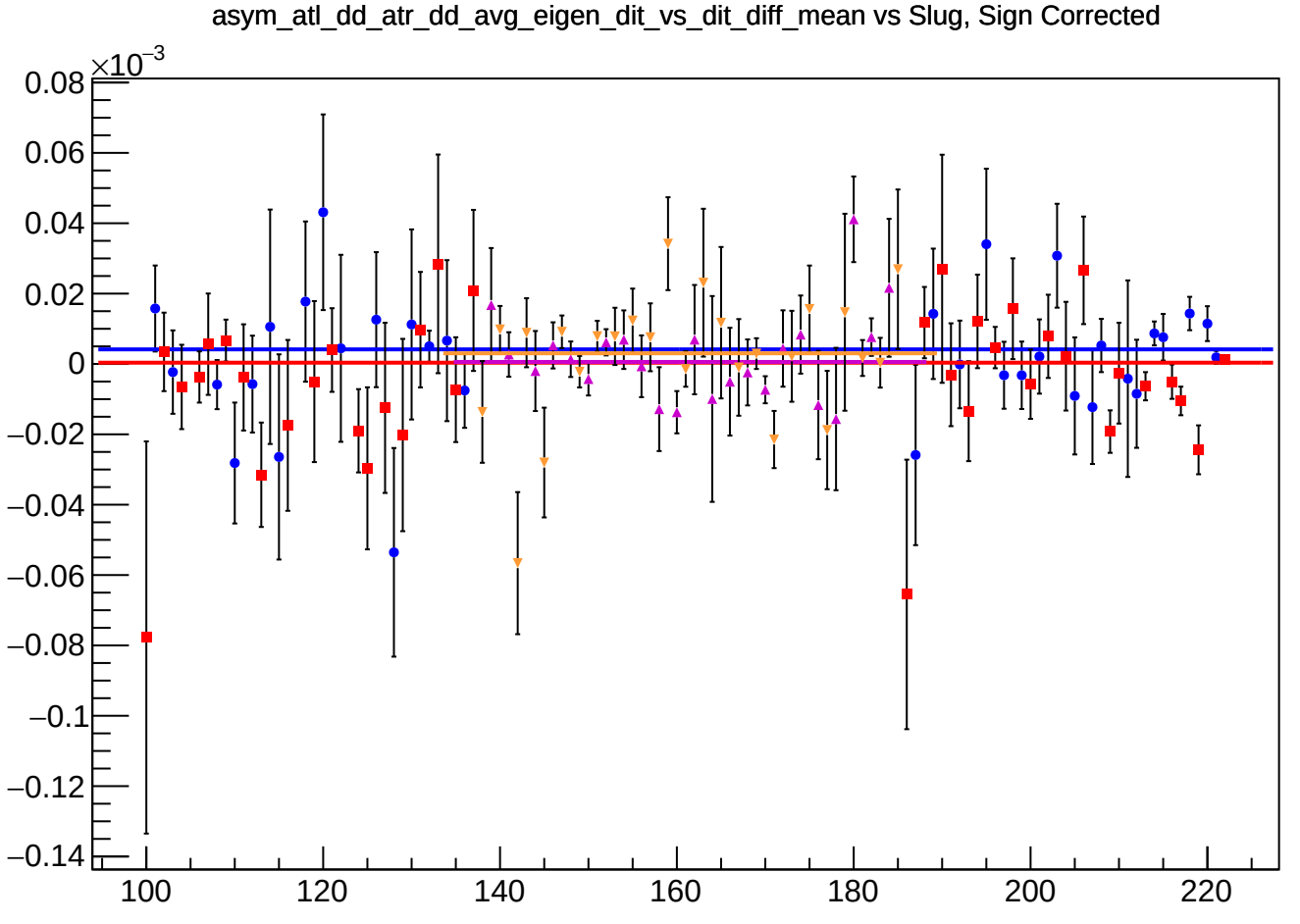
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/1



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 65.1/37

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

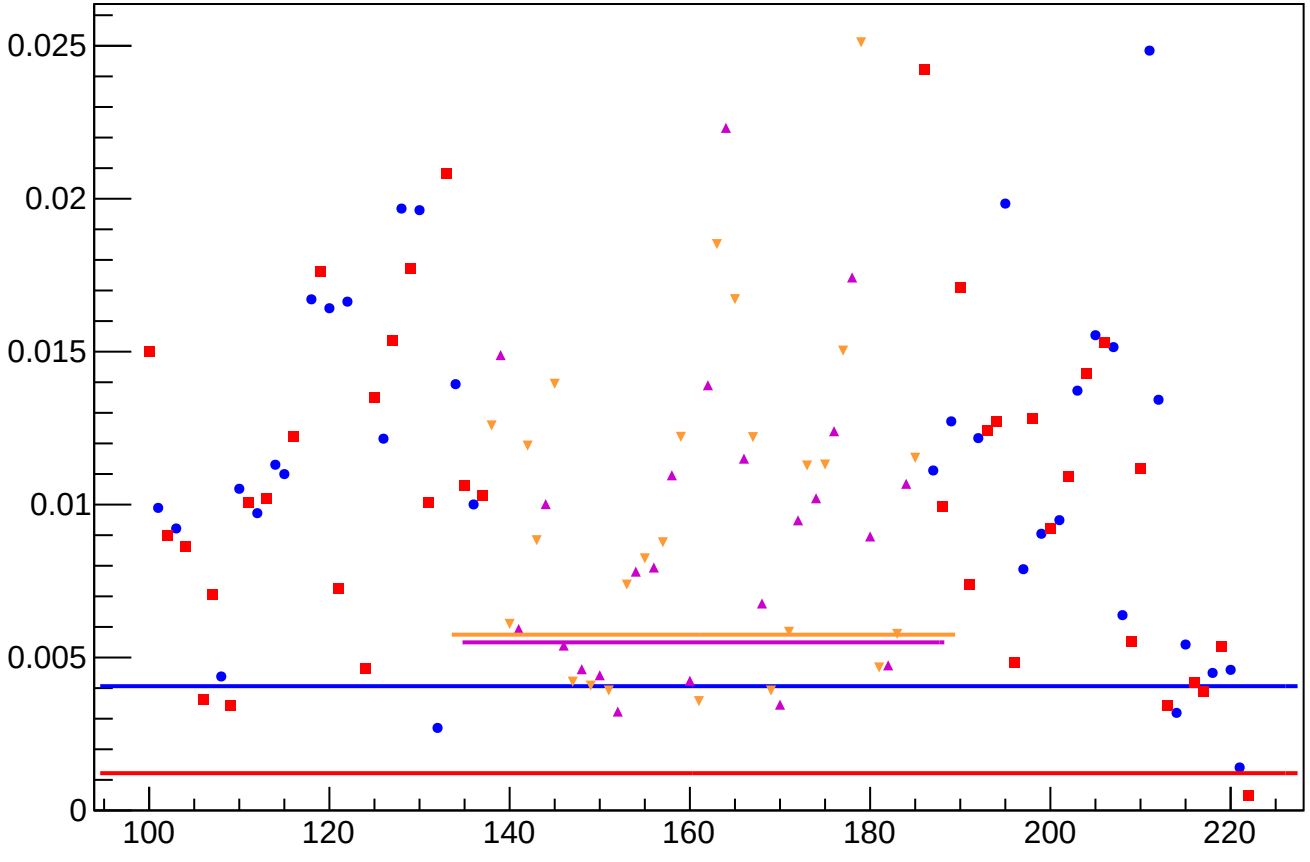
Right: 0.000+/-0.000 χ^2/NDF: 110.2/71

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/62

All: 0.000+/-0.000 χ^2/NDF: 187.3/119

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 32204412.1/37

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

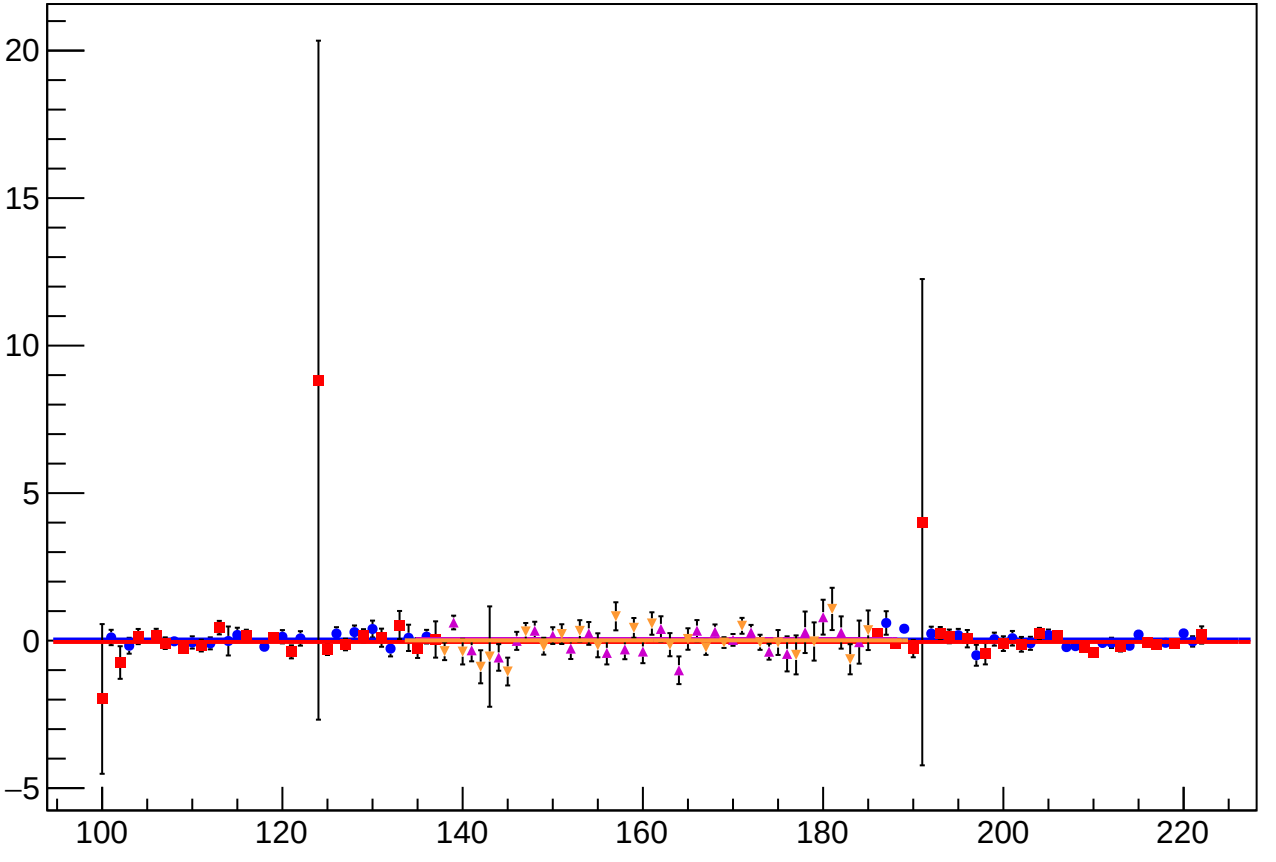
Right: 0.002+/-0.000 χ^2/NDF: 60160846.5/71

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:55886580.3/62

All: 0.002+/-0.000 χ^2/NDF: 96662357.2/119

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

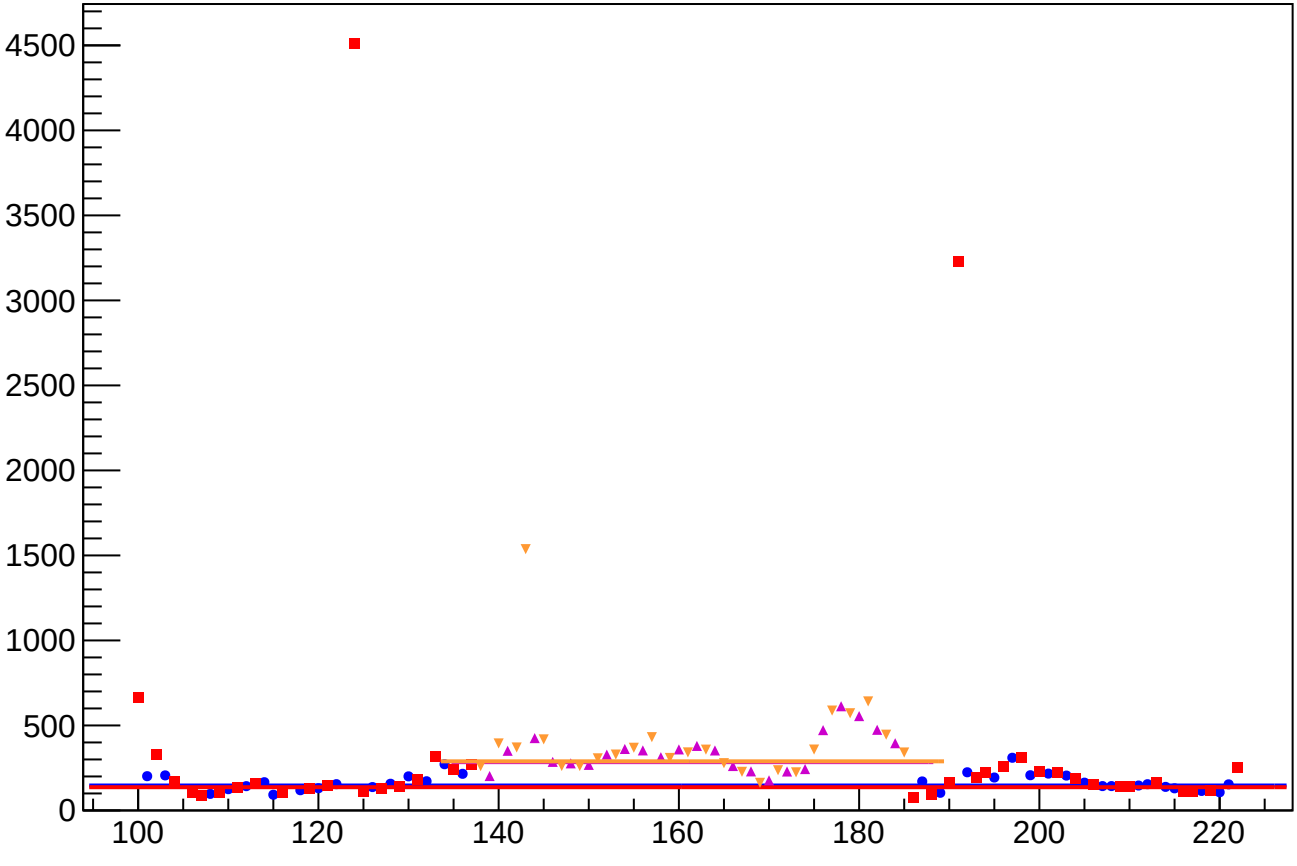
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

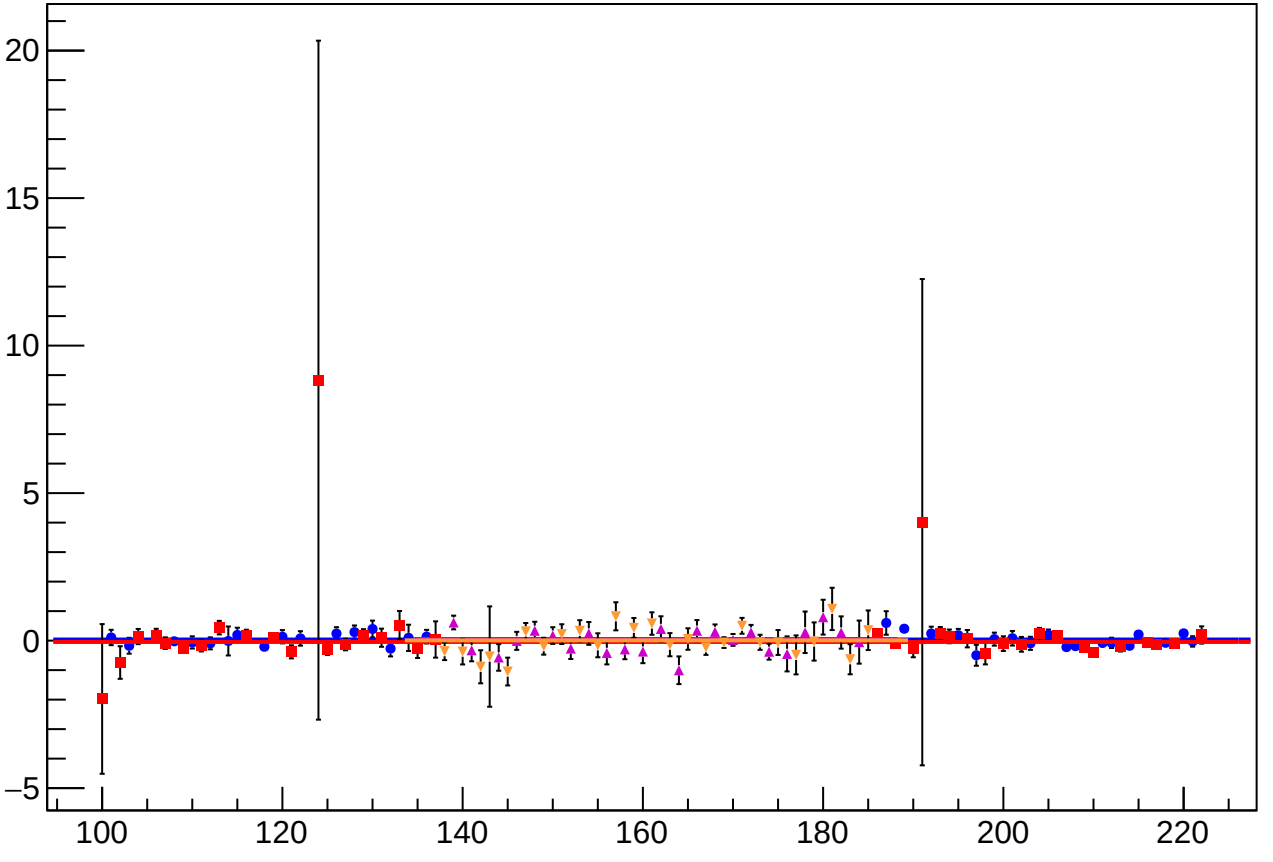
Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/11

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

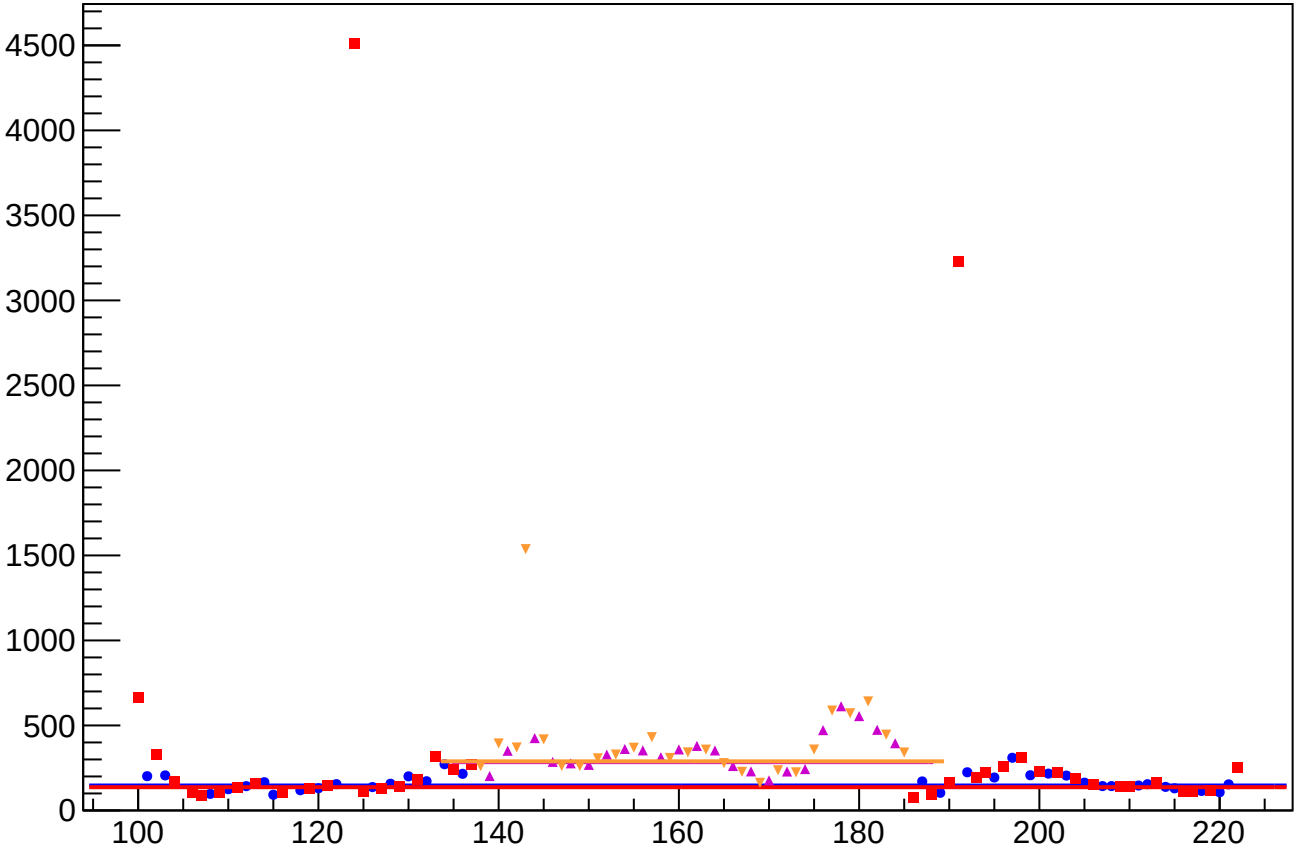
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

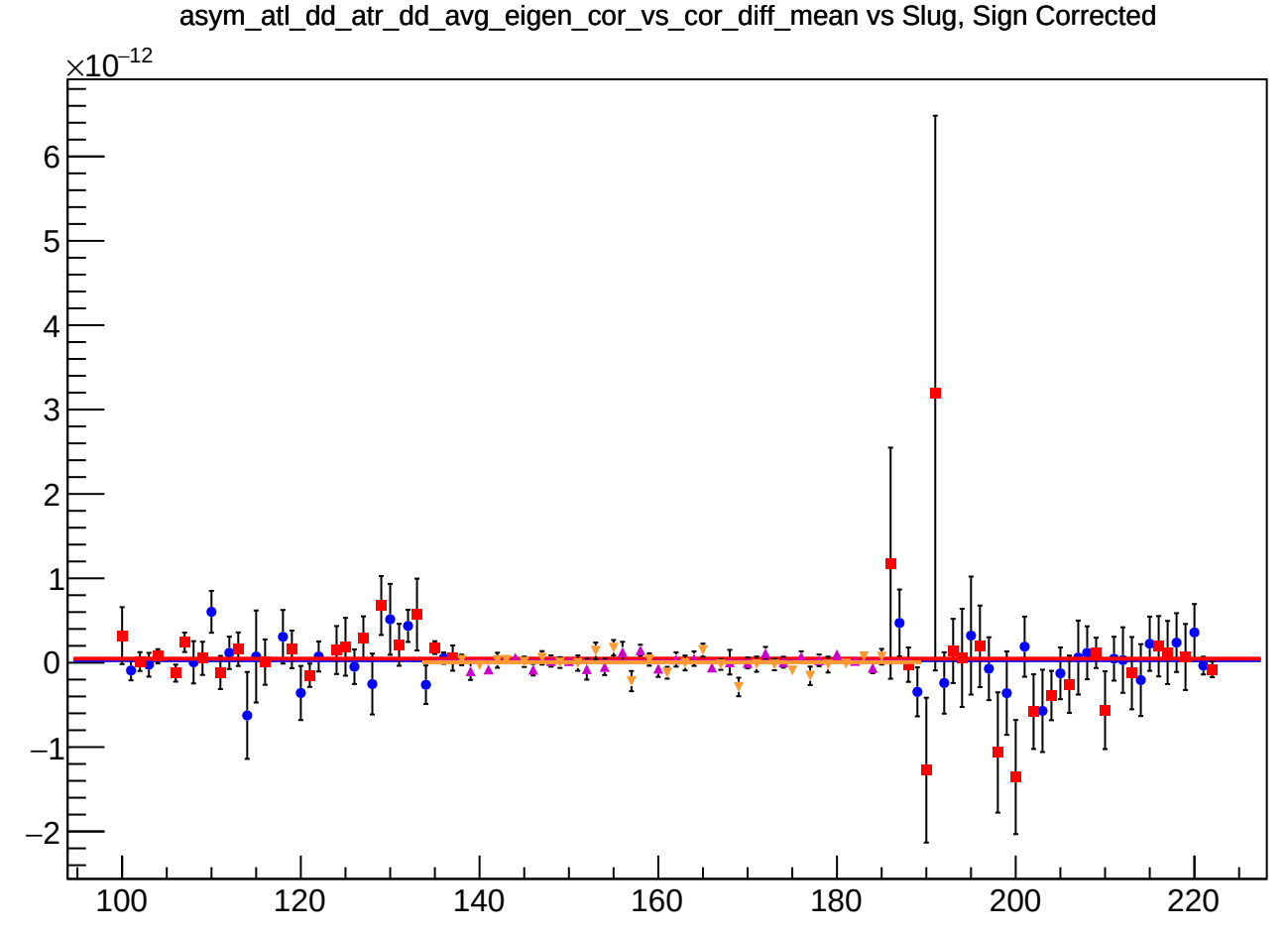
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/1



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: 39.5/37

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

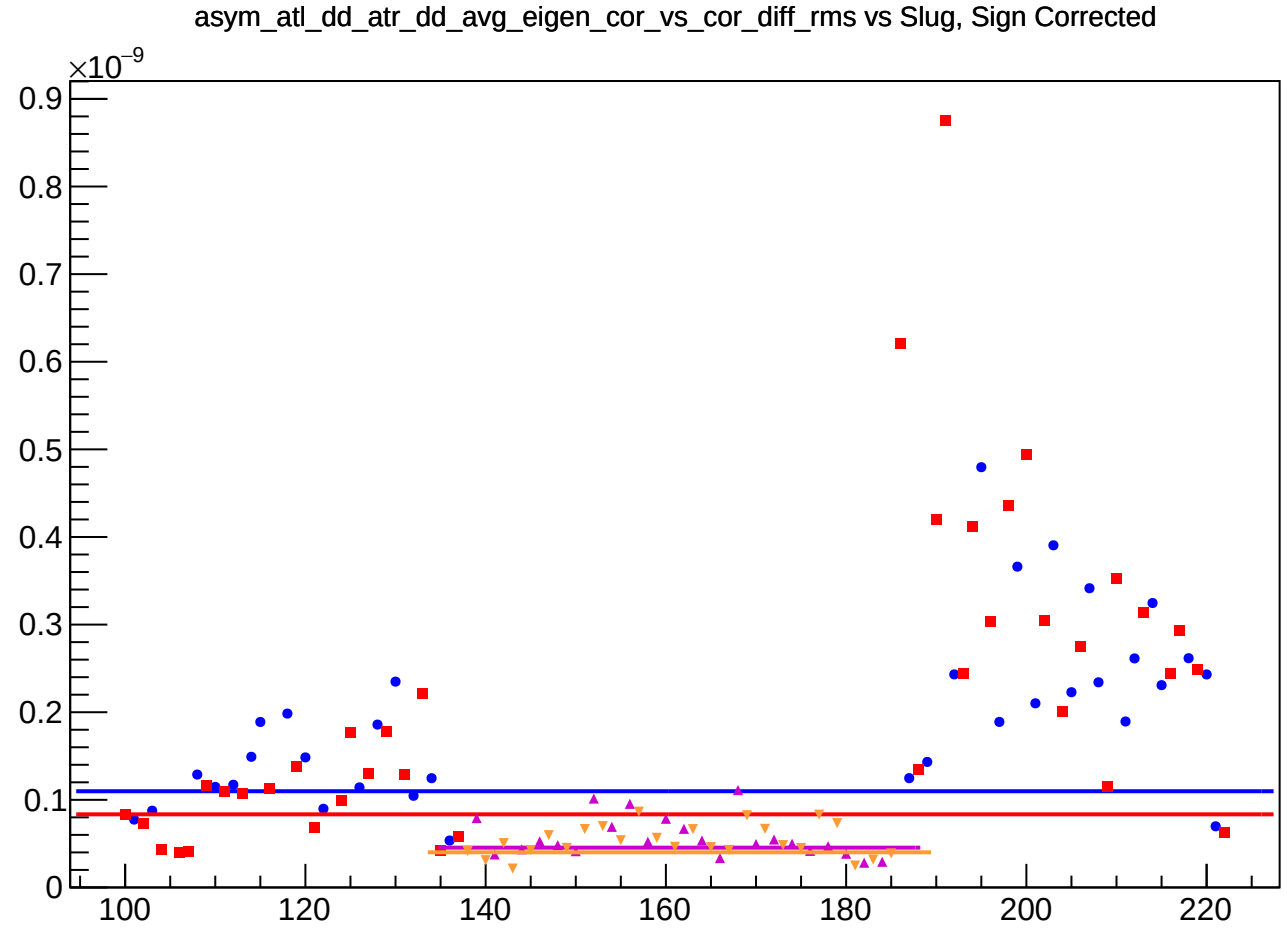
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 67.5/71

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 126.6/119



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: 10486906.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

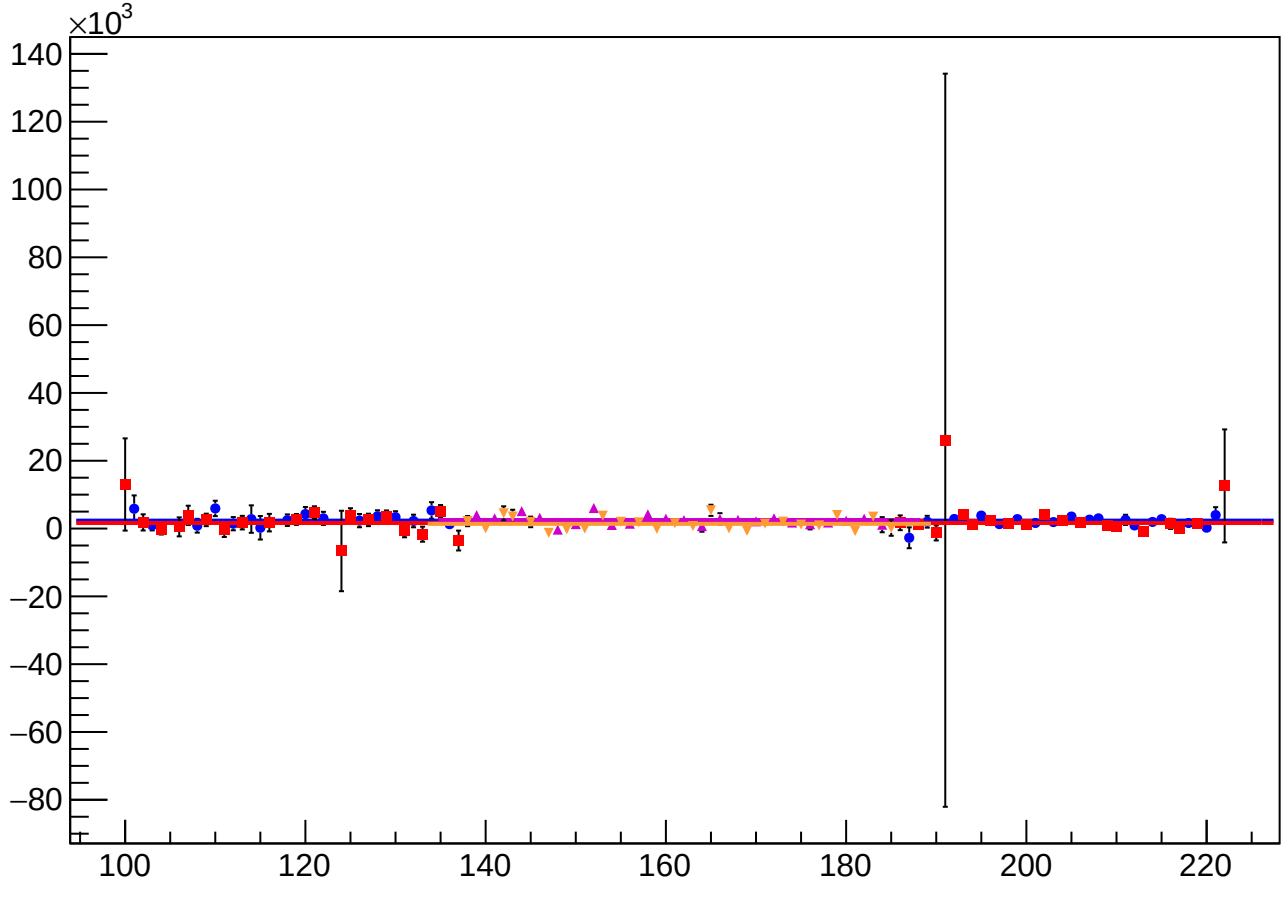
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18998642.2/71

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17649899.3/62

All: 0.000+/-0.000 χ^2/NDF: 34243233.3/119



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: 1644.257+/-286.261 χ^2/NDF: 34.9/37

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

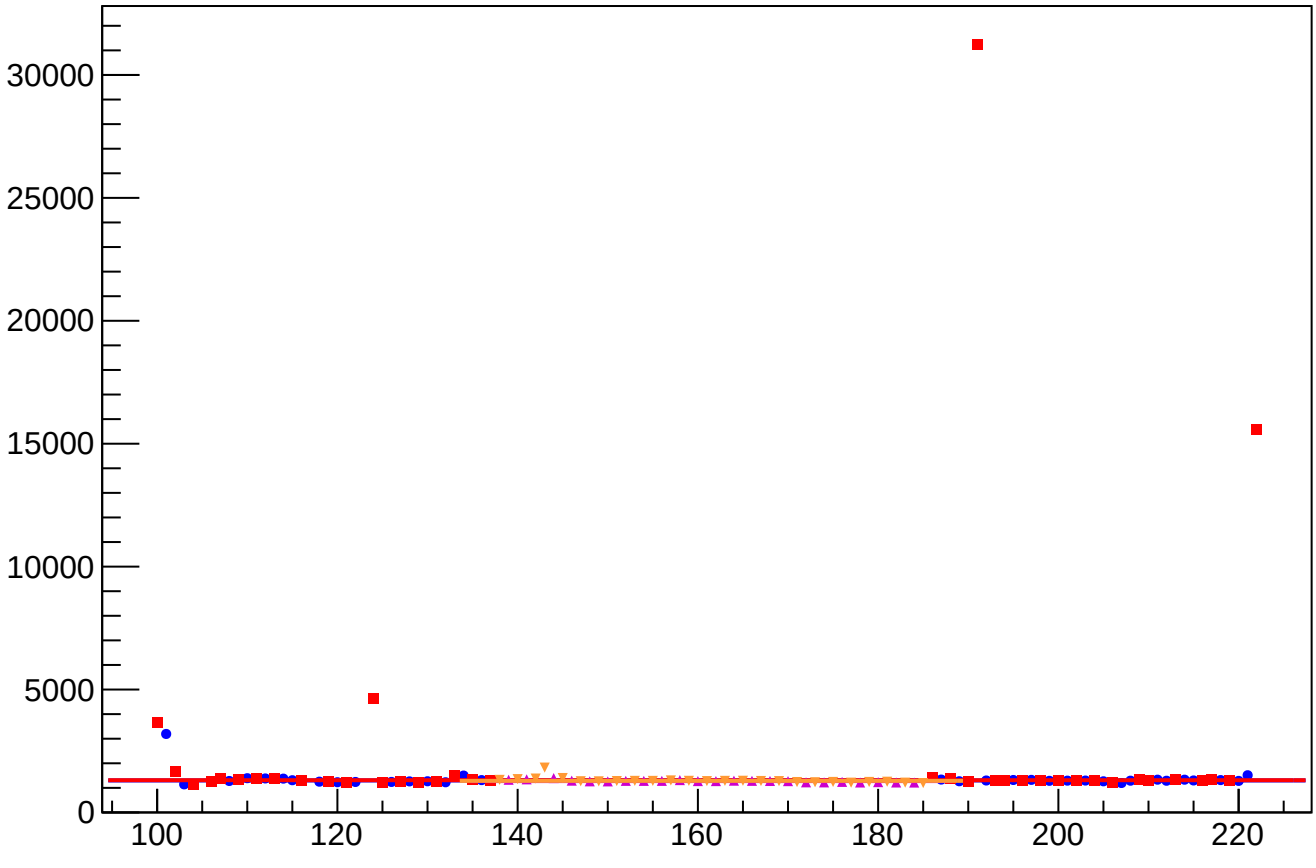
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 1995.626+/-201.139 χ^2/NDF: 57.3/71

In: 2424.011+/-205.119 χ^2/NDF:42.1/56

Out: 1516.691+/-204.682 χ^2/NDF:68.2/62

All: 1969.384+/-144.886 χ^2/NDF: 120.1/119



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: 1311.943+/-0.202 χ^2/NDF: 1974678.3/37

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

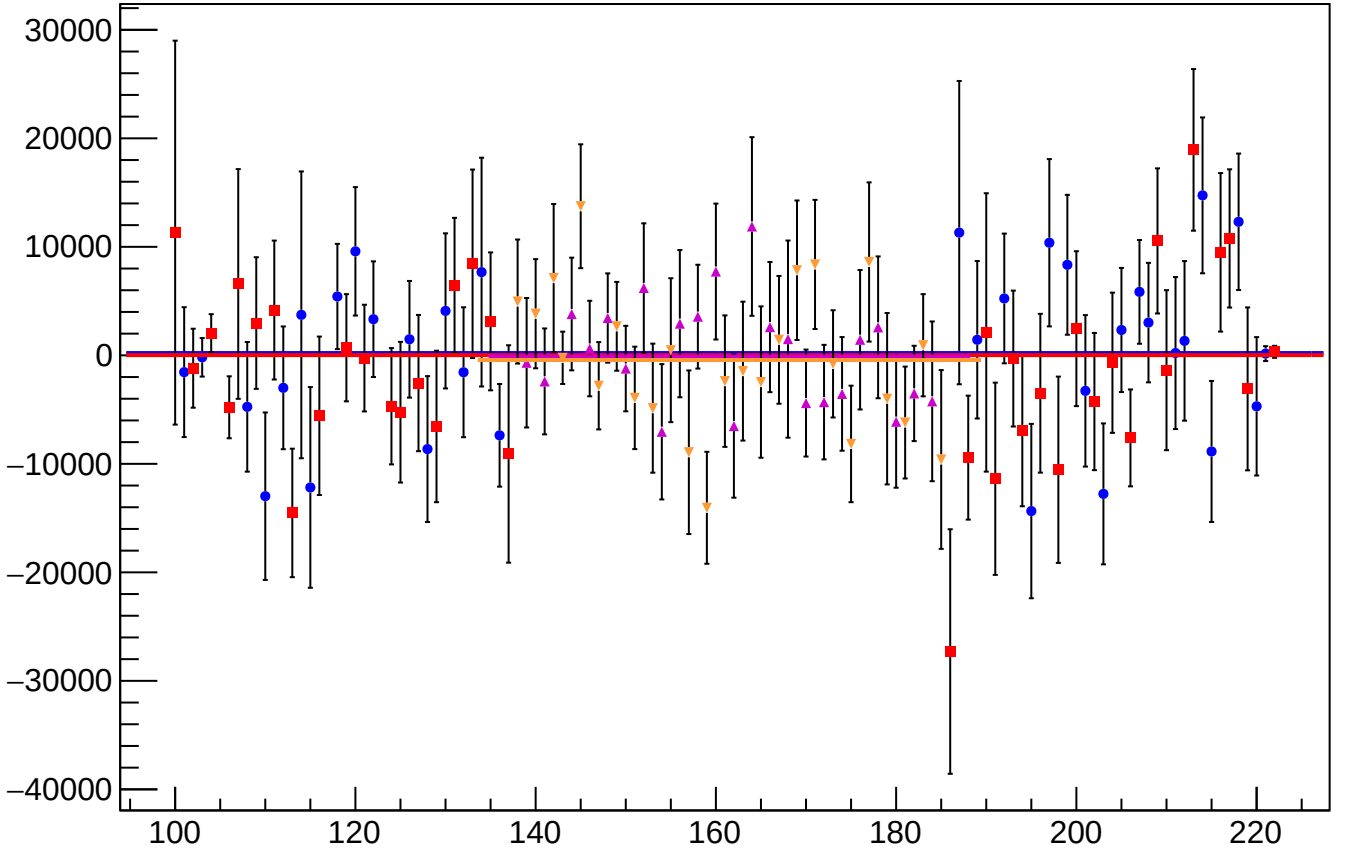
Right: 1306.595+/-0.142 χ^2/NDF: 2528371.4/71

In: 1289.329+/-0.145 χ^2/NDF:601372.2/56

Out: 1299.104+/-0.145 χ^2/NDF:2173960.0/62

All: 1294.229+/-0.102 χ^2/NDF: 2777608.9/11

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: 21.391+/-469.805 χ^2/NDF: 48.5/37

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

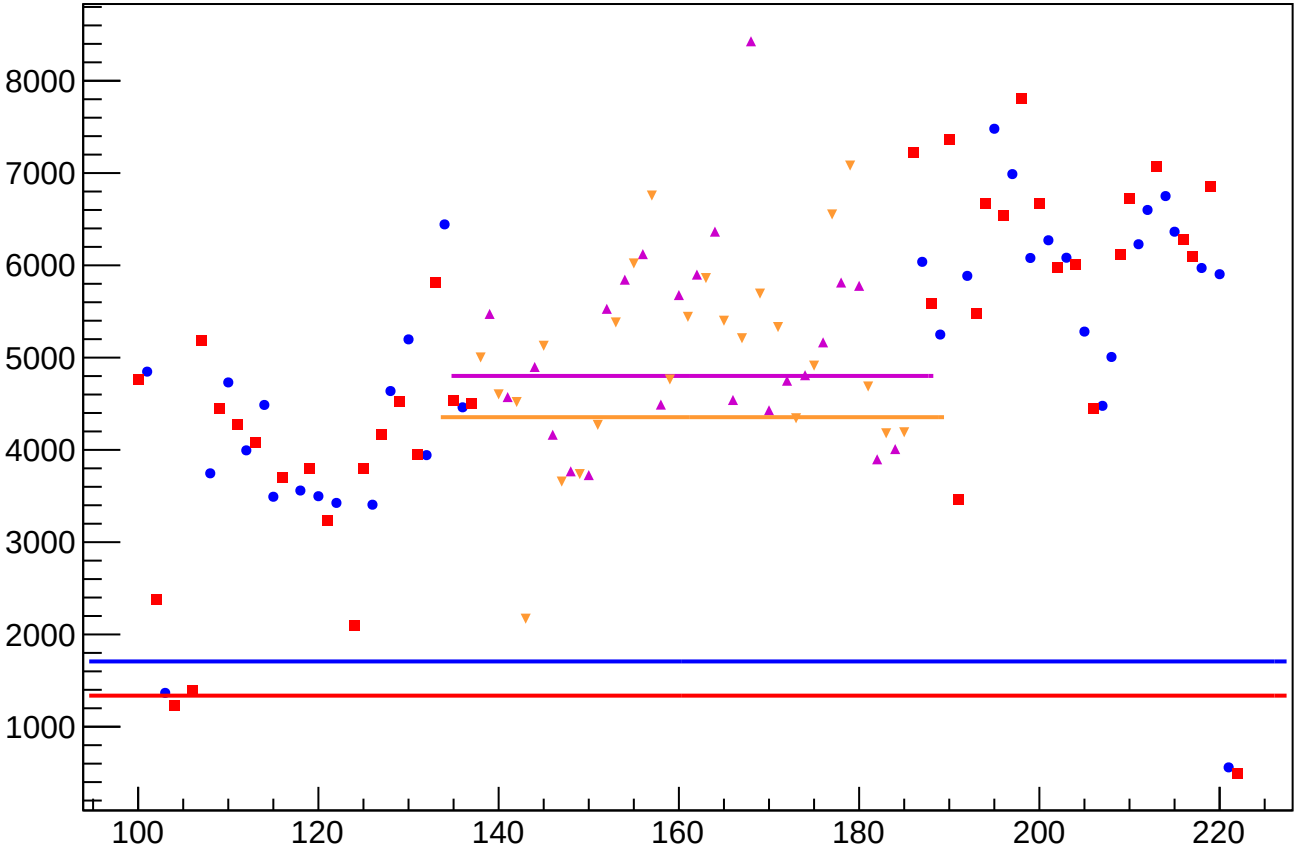
Right: 99.482+/-359.323 χ^2/NDF: 88.1/71

In: 146.447+/-501.405 χ^2/NDF:53.2/56

Out: -55.101+/-428.009 χ^2/NDF:78.4/62

All: 29.856+/-325.535 χ^2/NDF: 131.8/119

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1707.546+/-0.394 χ^2/NDF: 24329797.7/33

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 1336.854+/-0.332 χ^2/NDF: 27306543.8/37

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

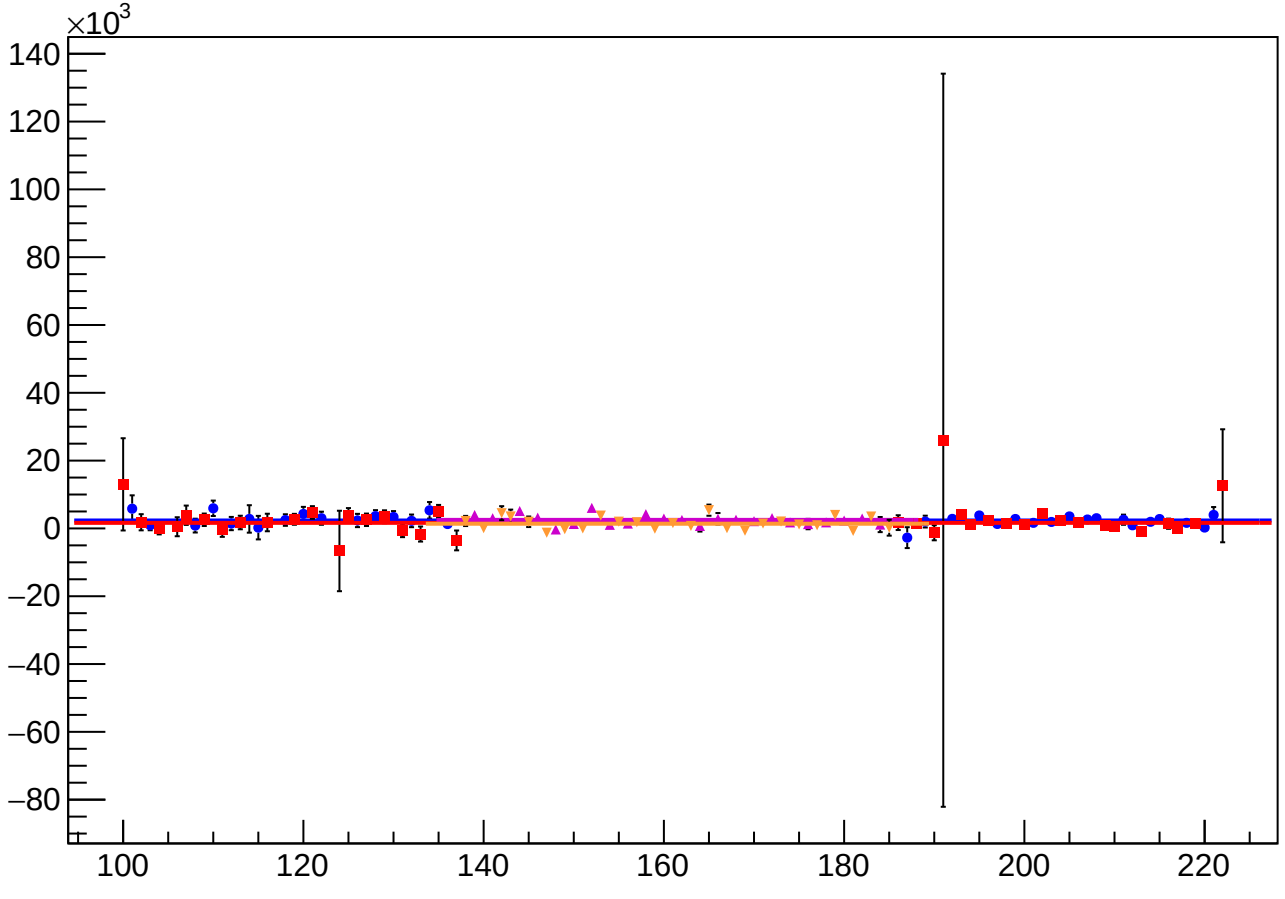
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 1490.701+/-0.254 χ^2/NDF: 52153113.4/71

In: 2301.184+/-0.355 χ^2/NDF:37369831.1/56

Out: 1849.895+/-0.303 χ^2/NDF:44406740.9/62

All: 2040.122+/-0.230 χ^2/NDF: 82713811.4/1



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: 1644.197+/-286.261 χ^2/NDF: 34.9/37

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

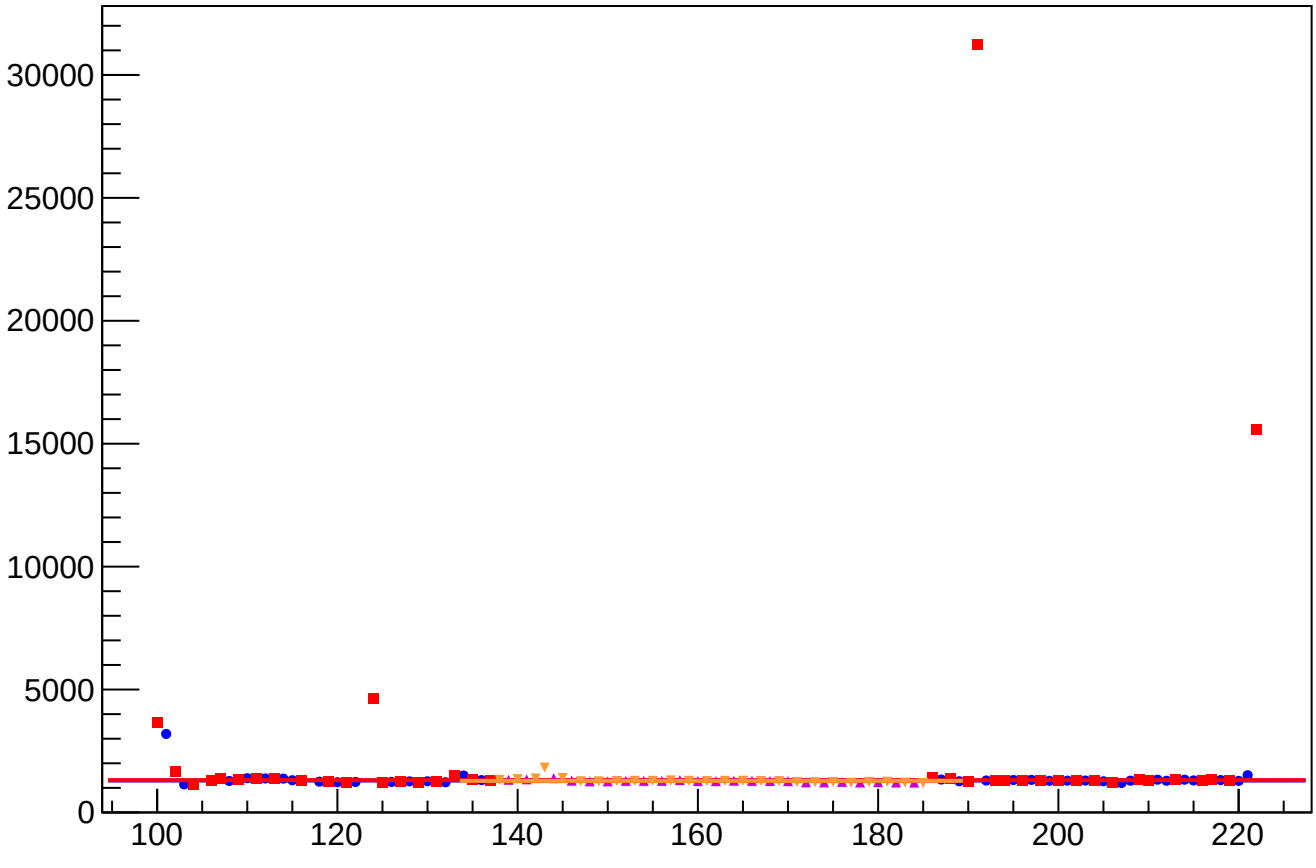
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1995.540+/-201.140 χ^2/NDF: 57.3/71

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1516.629+/-204.682 χ^2/NDF:68.2/62

All: 1969.323+/-144.886 χ^2/NDF: 120.1/119



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: 1312.320+/-0.202 χ^2/NDF: 1974266.9/37

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

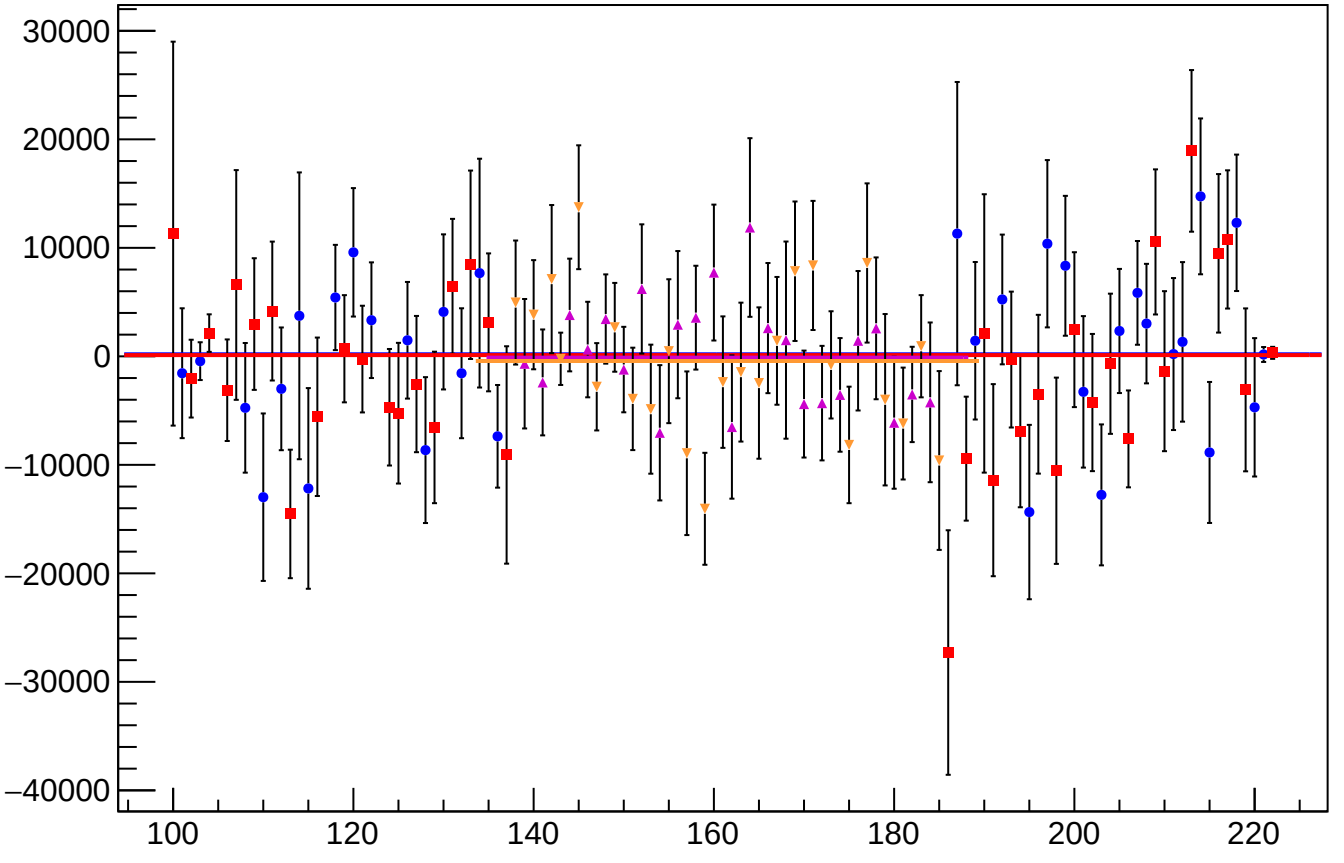
Right: 1306.779+/-0.142 χ^2/NDF: 2528061.6/71

In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1299.293+/-0.145 χ^2/NDF:2173784.8/62

All: 1294.324+/-0.102 χ^2/NDF: 2777523.8/11

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: 114.149+/-473.345 χ^2/NDF: 46.4/37

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

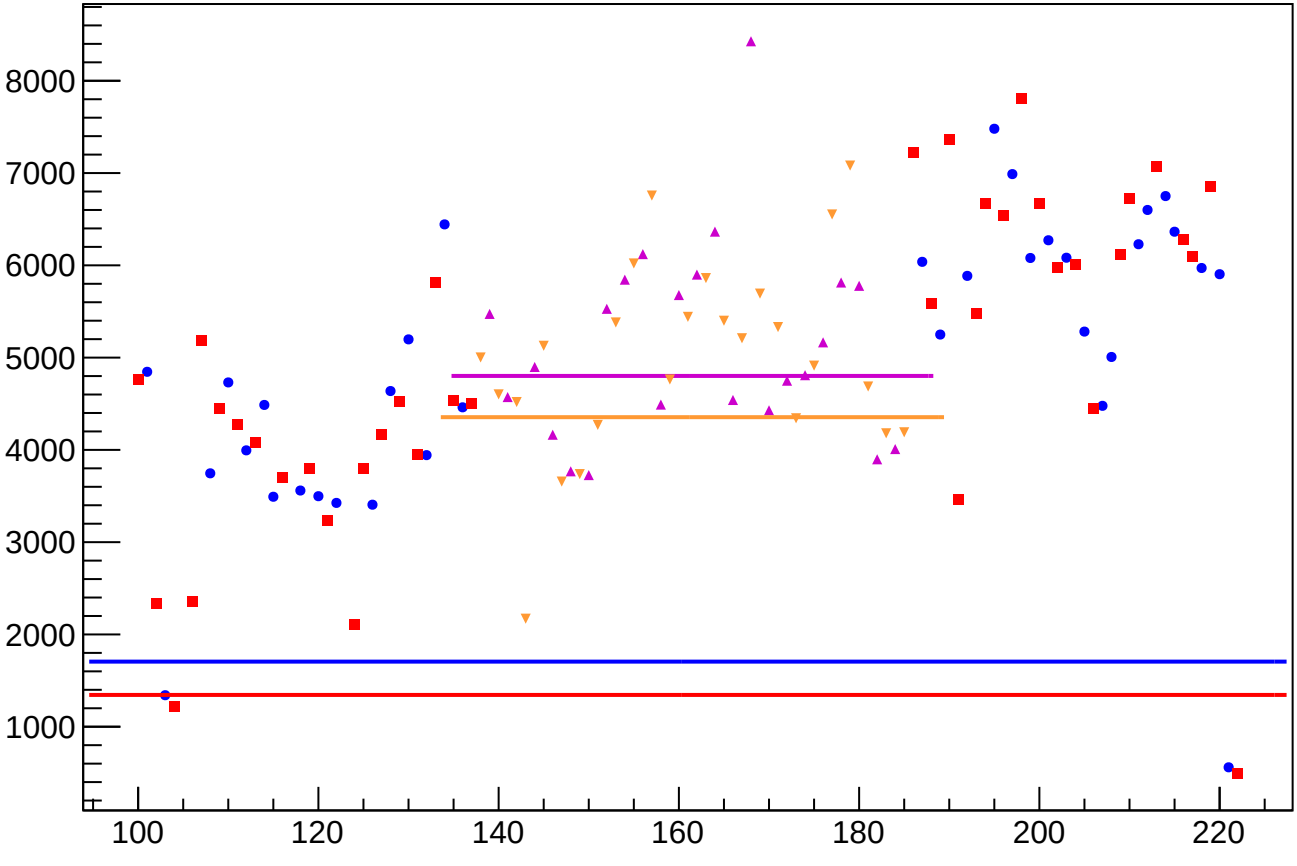
Right: 145.147+/-360.699 χ^2/NDF: 86.1/71

In: 129.224+/-500.867 χ^2/NDF:53.3/56

Out: 20.732+/-430.681 χ^2/NDF:76.5/62

All: 66.850+/-326.557 χ^2/NDF: 129.8/119

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1705.551+/-0.394 χ^2/NDF: 24326400.0/33

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 1344.532+/-0.335 χ^2/NDF: 27397596.5/37

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

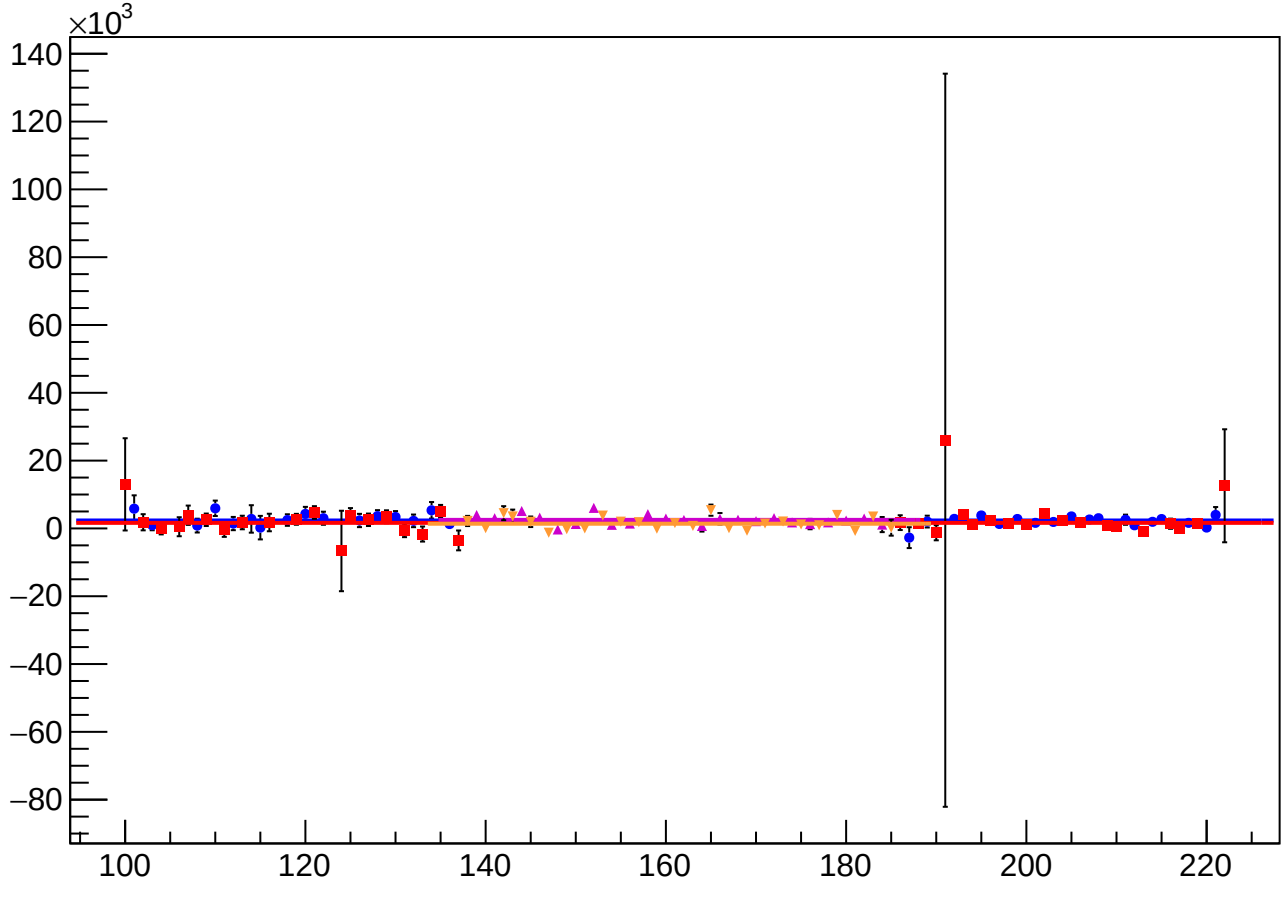
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 1495.916+/-0.255 χ^2/NDF: 52211842.0/71

In: 2298.298+/-0.354 χ^2/NDF:37387679.3/56

Out: 1862.677+/-0.305 χ^2/NDF:44390687.7/62

All: 2047.851+/-0.231 χ^2/NDF: 82648147.9/1



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: 1644.197+/-286.261 χ^2/NDF: 34.9/37

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

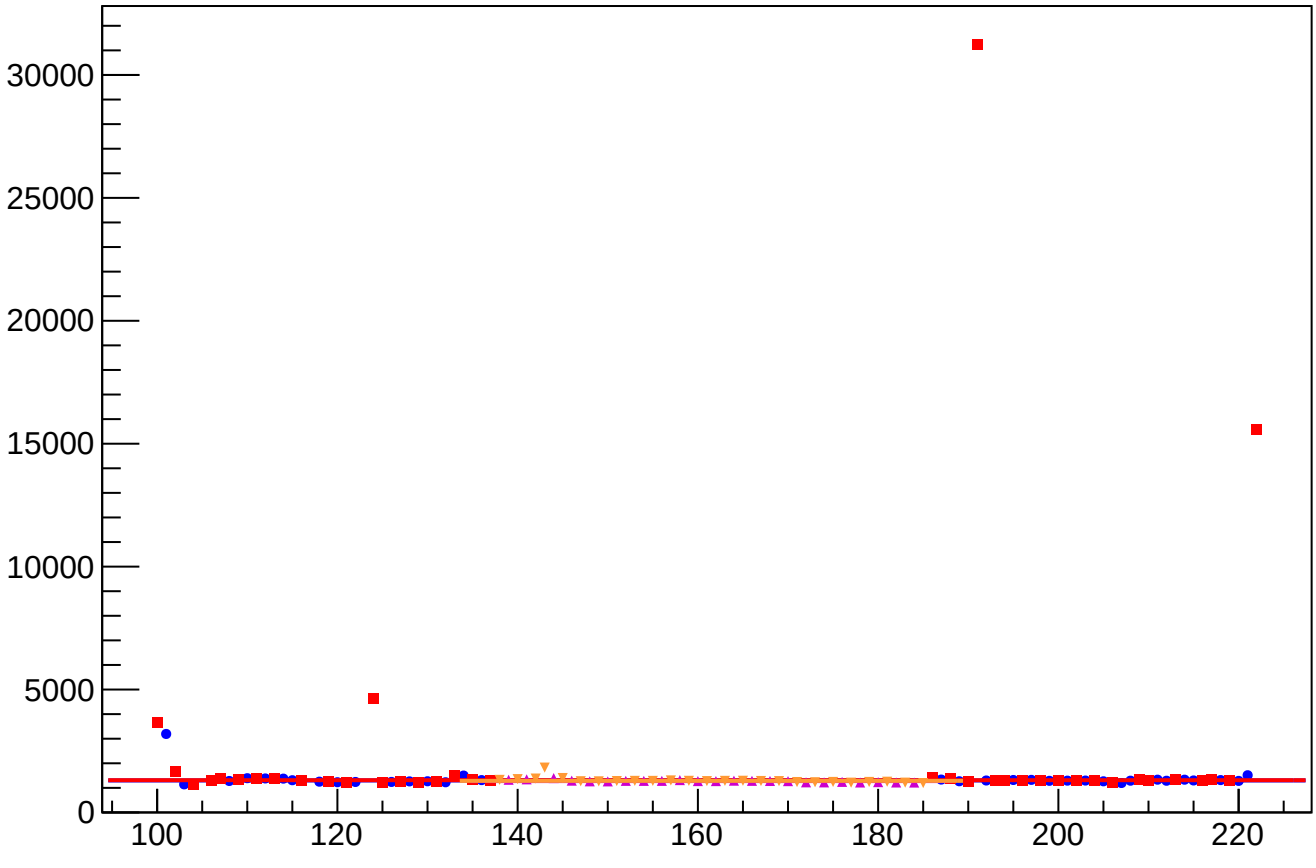
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1995.540+/-201.140 χ^2/NDF: 57.3/71

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1516.629+/-204.682 χ^2/NDF:68.2/62

All: 1969.323+/-144.886 χ^2/NDF: 120.1/119



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: 1312.320+/-0.202 χ^2/NDF: 1974266.9/37

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

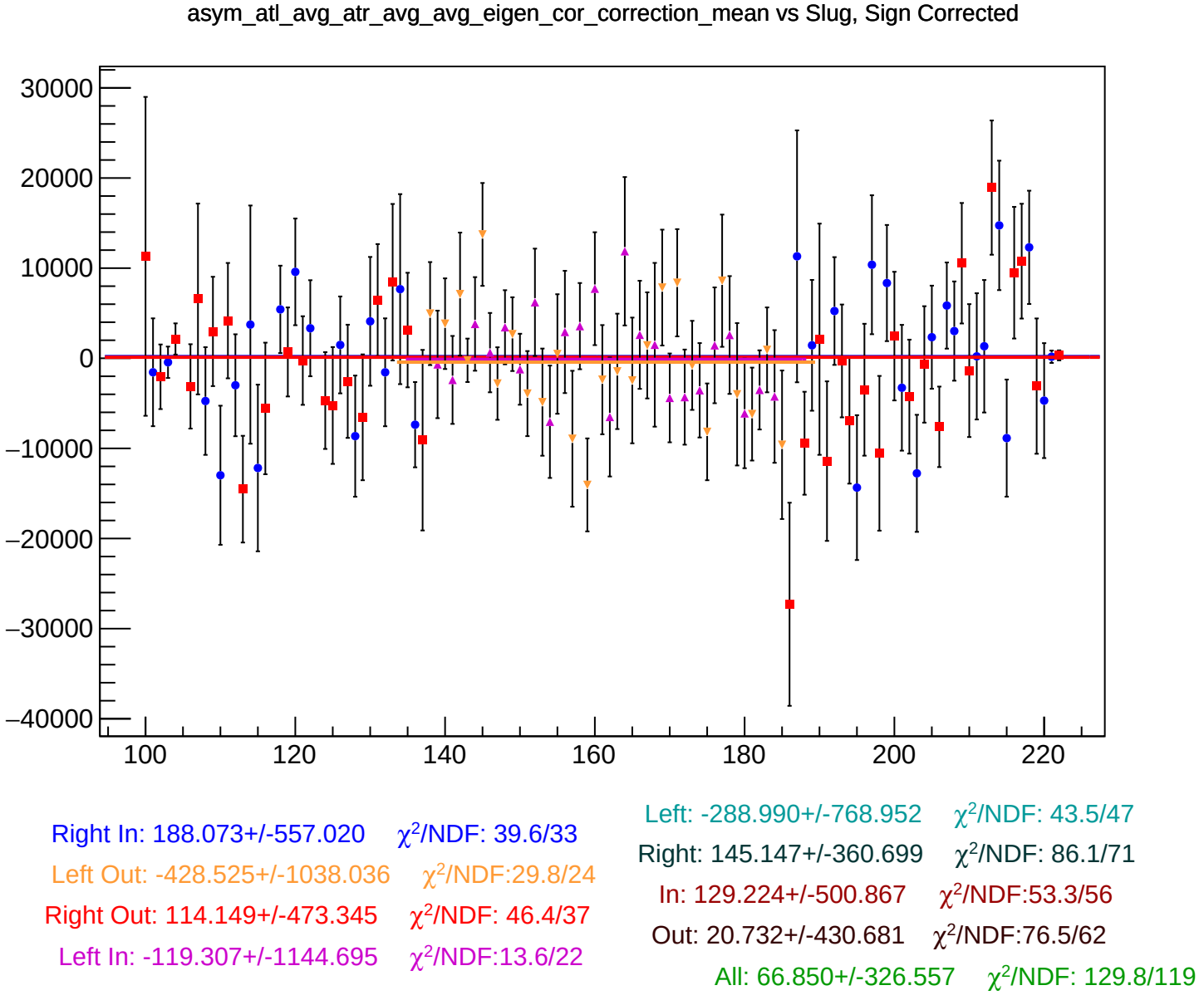
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1306.779+/-0.142 χ^2/NDF: 2528061.6/71

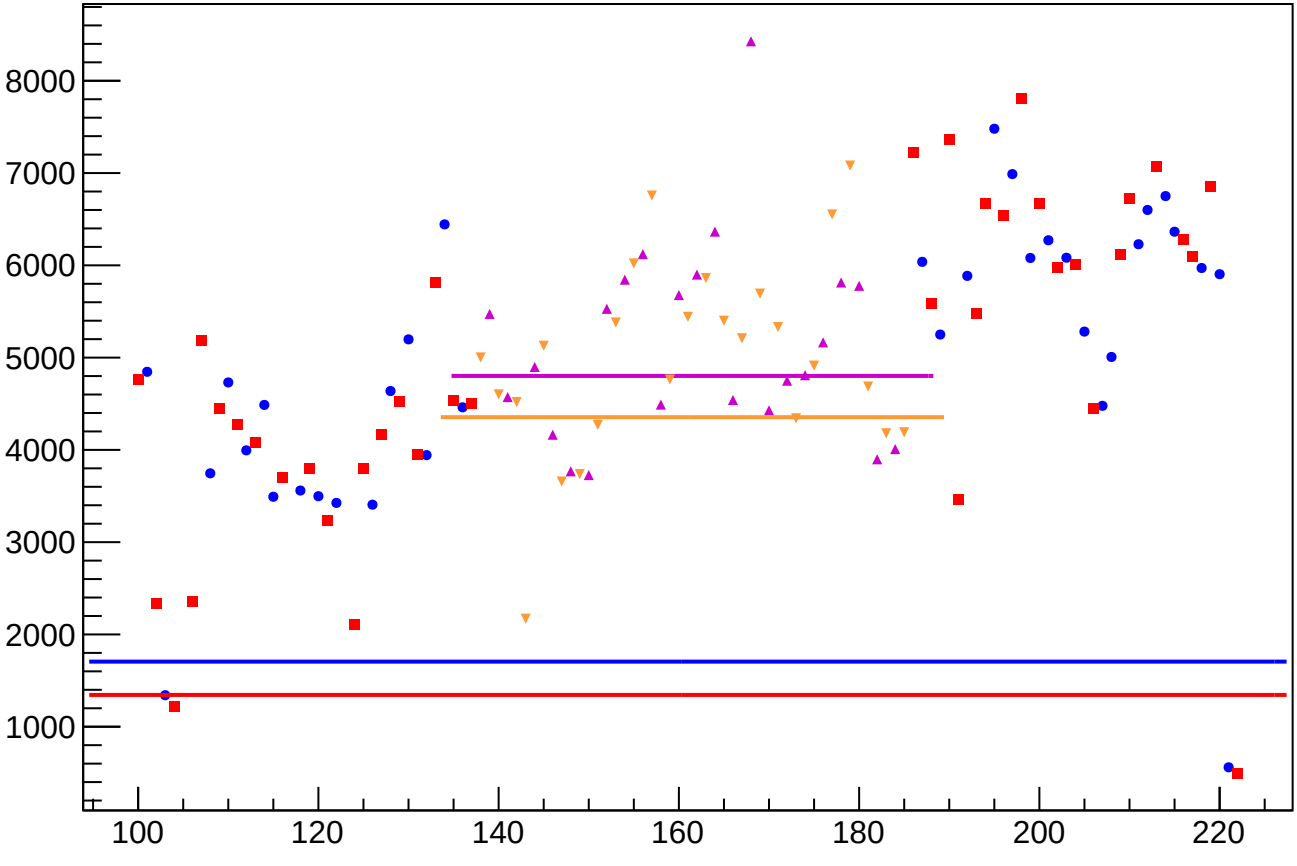
In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1299.293+/-0.145 χ^2/NDF:2173784.8/62

All: 1294.324+/-0.102 χ^2/NDF: 2777523.8/11


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 188.073+/-557.020 χ²/NDF: 39.6/33
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 114.149+/-473.345 χ²/NDF: 46.4/37
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: 145.147+/-360.699 χ²/NDF: 86.1/71
In: 129.224+/-500.867 χ²/NDF:53.3/56
Out: 20.732+/-430.681 χ²/NDF:76.5/62
All: 66.850+/-326.557 χ²/NDF: 129.8/119

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: 1344.532+/-0.335 χ^2/NDF: 27397596.5/37

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

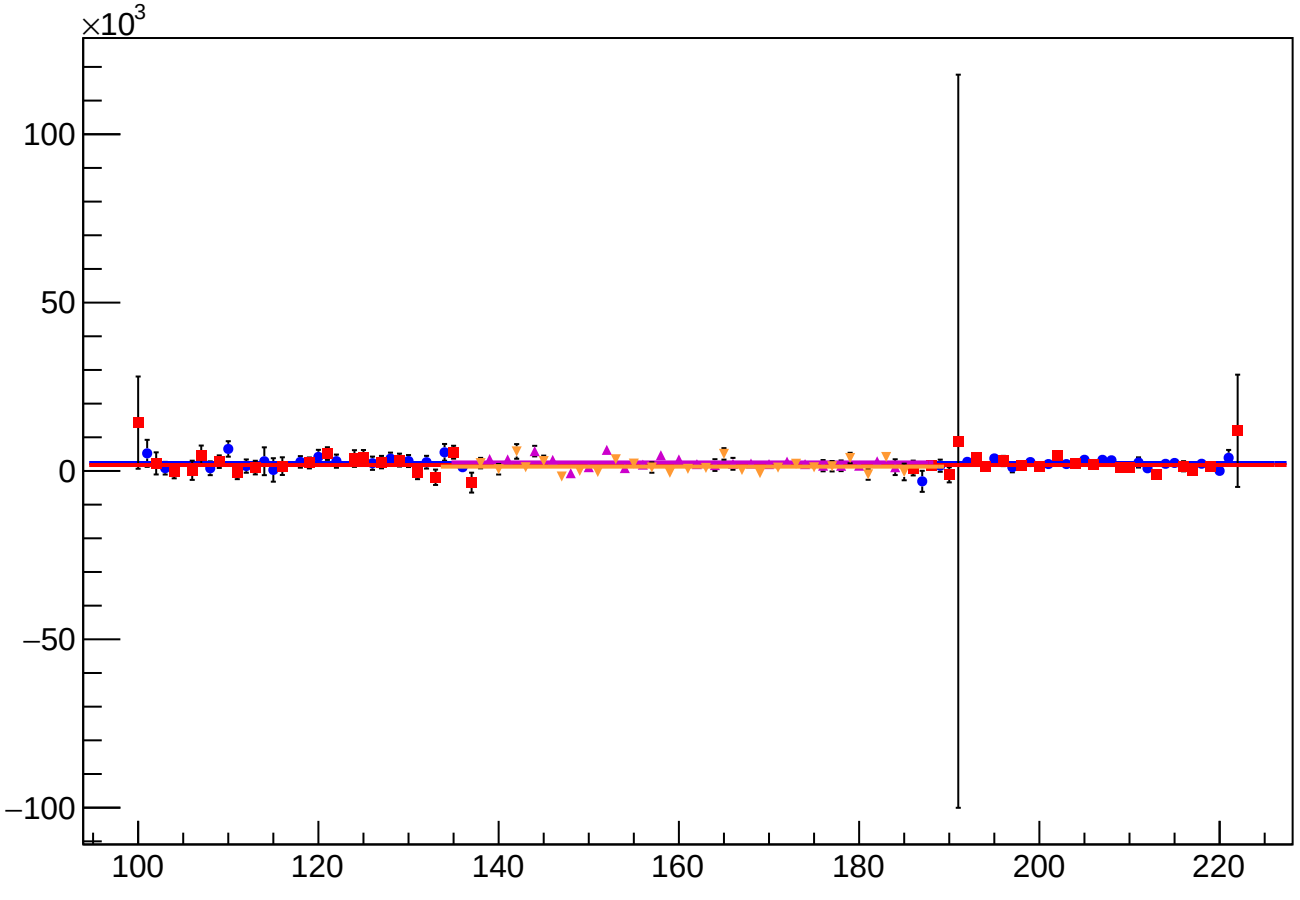
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 1495.916+/-0.255 χ^2/NDF: 52211842.0/71

In: 2298.298+/-0.354 χ^2/NDF:37387679.3/56

Out: 1862.677+/-0.305 χ^2/NDF:44390687.7/62

All: 2047.851+/-0.231 χ^2/NDF: 82648147.9/1



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: 1766.171+/-291.782 χ^2/NDF: 36.5/37

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

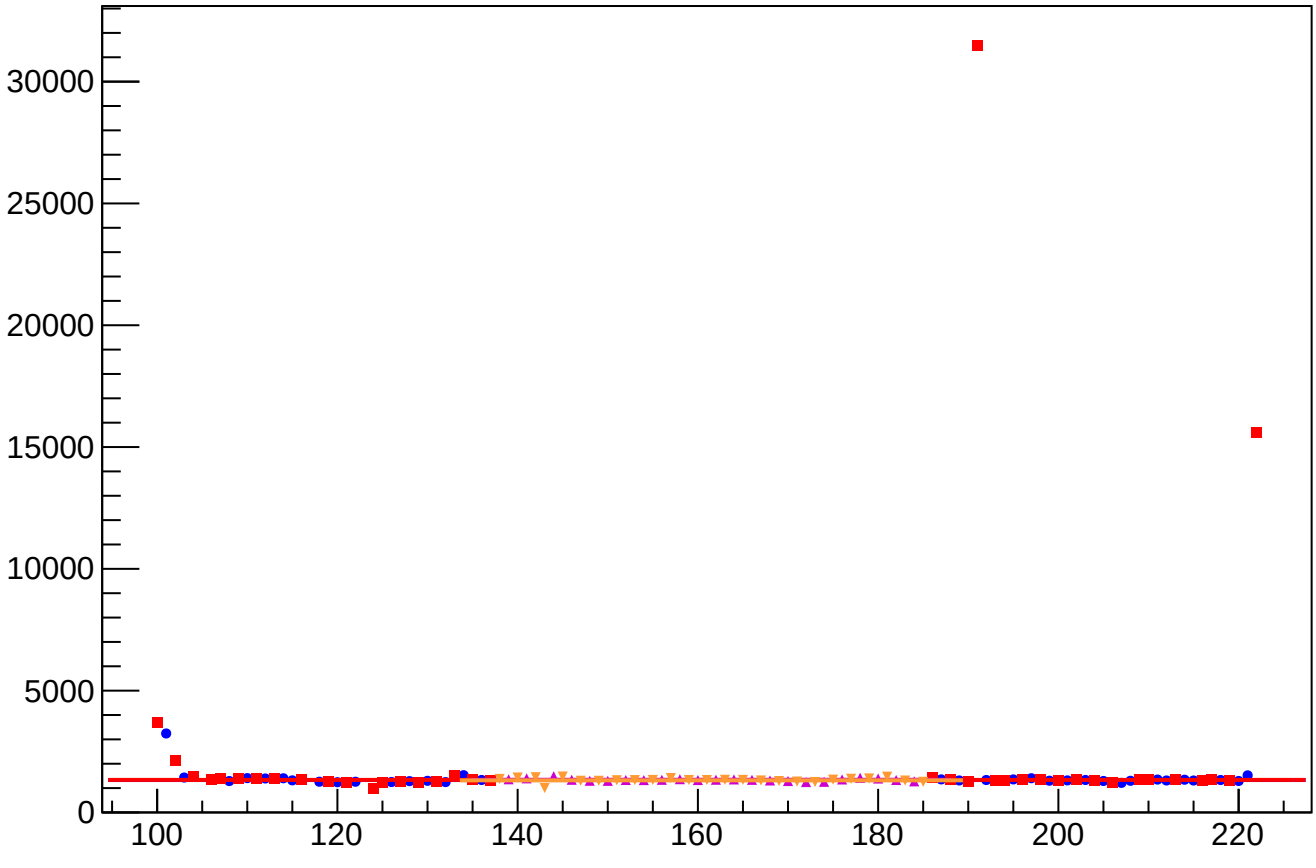
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2068.188+/-205.368 χ^2/NDF: 59.0/71

In: 2441.647+/-212.338 χ^2/NDF:45.6/56

Out: 1532.409+/-209.345 χ^2/NDF:71.1/62

All: 1980.576+/-149.076 χ^2/NDF: 126.0/119



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: 1336.106+/-0.206 χ^2/NDF: 1912683.3/37

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

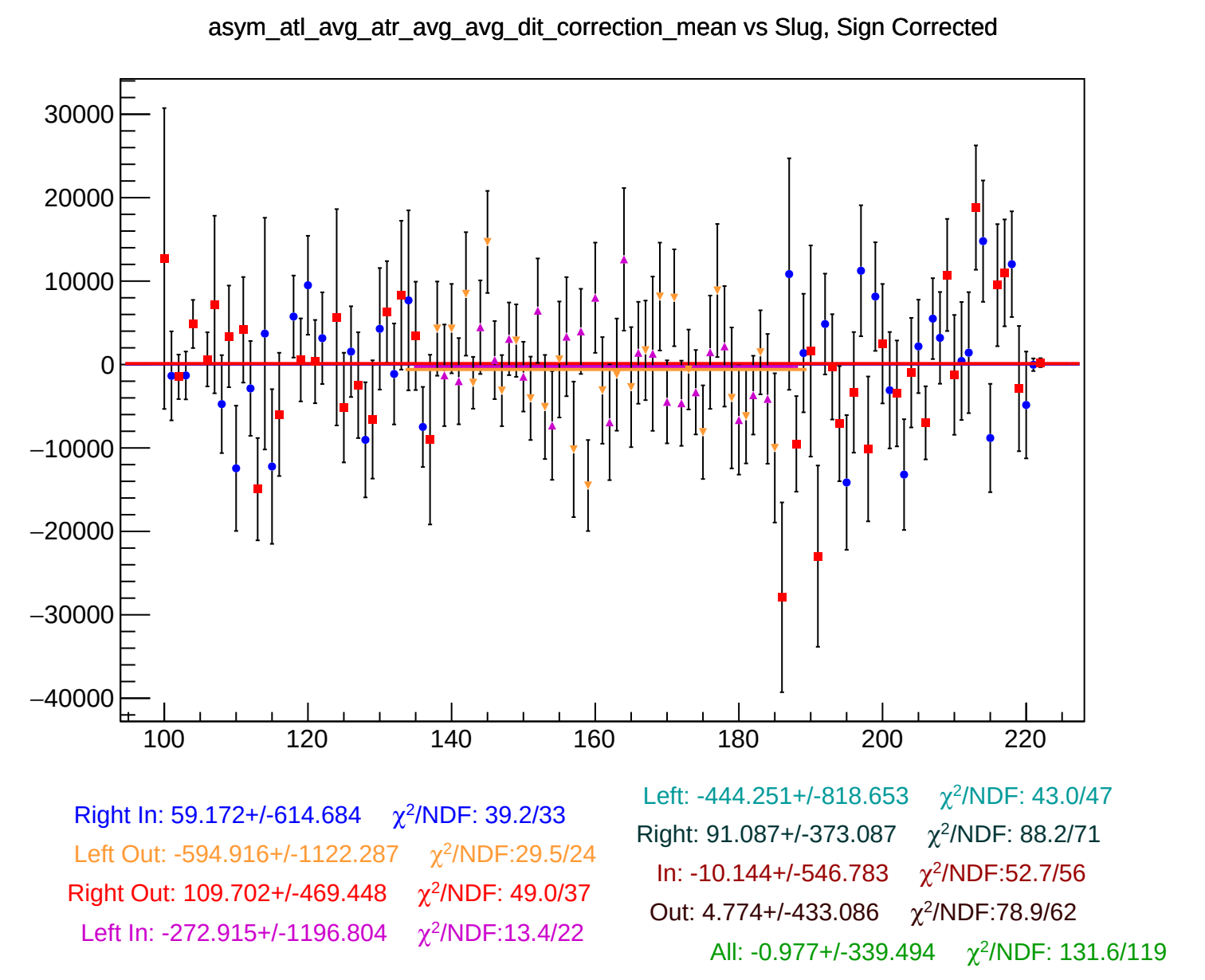
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

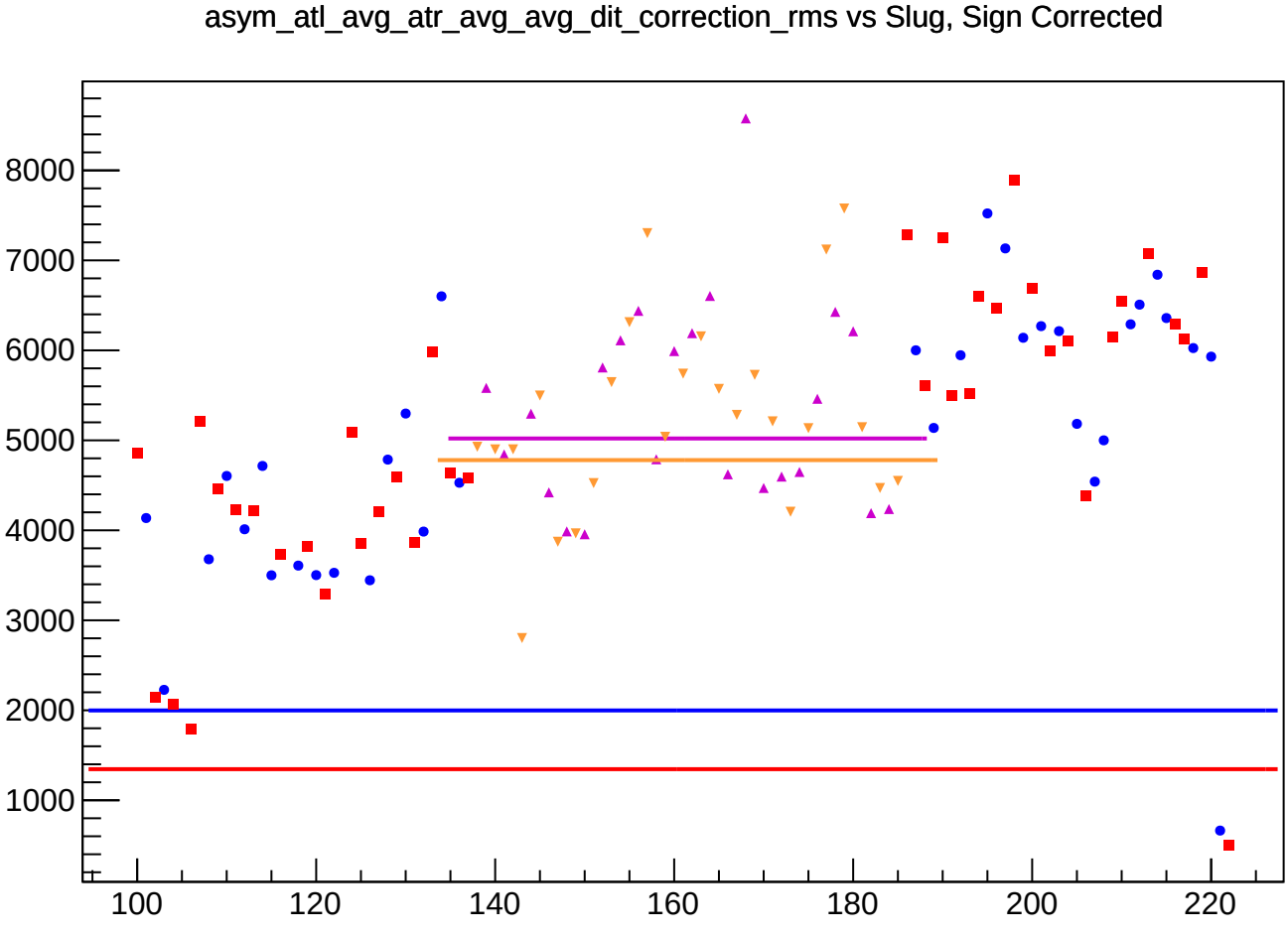
Right: 1333.447+/-0.145 χ^2/NDF: 2451385.3/71

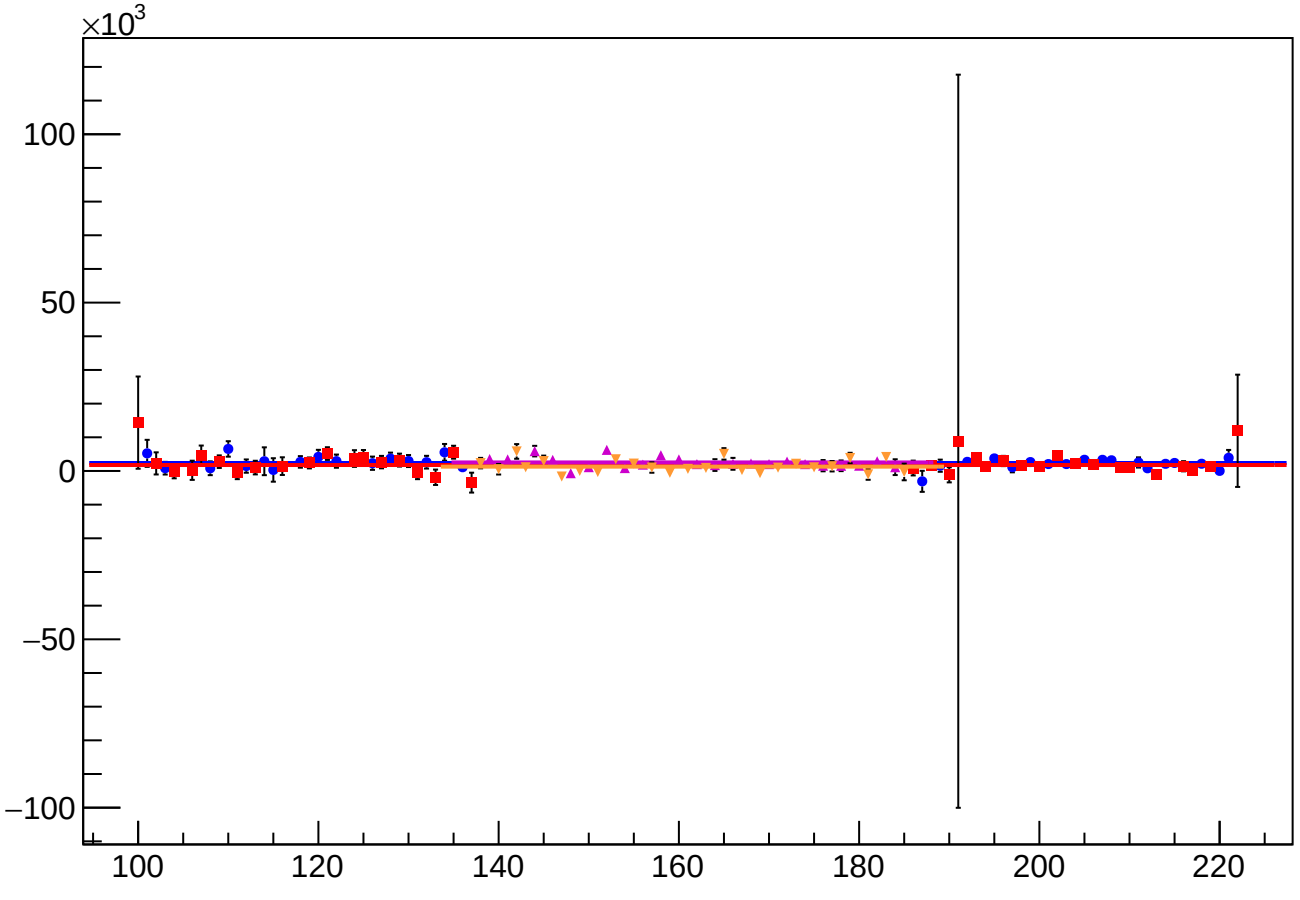
In: 1334.413+/-0.150 χ^2/NDF:593286.0/56

Out: 1327.407+/-0.148 χ^2/NDF:2164896.8/62

All: 1330.860+/-0.105 χ^2/NDF: 2759287.1/11


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: 109.702+/-469.448 χ²/NDF: 49.0/37
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: 91.087+/-373.087 χ²/NDF: 88.2/71
In: -10.144+/-546.783 χ²/NDF:52.7/56
Out: 4.774+/-433.086 χ²/NDF:78.9/62
All: -0.977+/-339.494 χ²/NDF: 131.6/119


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1998.290+/-0.435 χ²/NDF: 22089780.6/33
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 1345.793+/-0.332 χ²/NDF: 28064321.7/37
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 1586.170+/-0.264 χ²/NDF: 51577504.8/71
In: 2629.126+/-0.387 χ²/NDF:33406828.6/56
Out: 1857.259+/-0.306 χ²/NDF:46012764.2/62
All: 2154.820+/-0.240 χ²/NDF: 81868659.9/



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: 1766.169+/-291.782 χ^2/NDF: 36.5/37

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

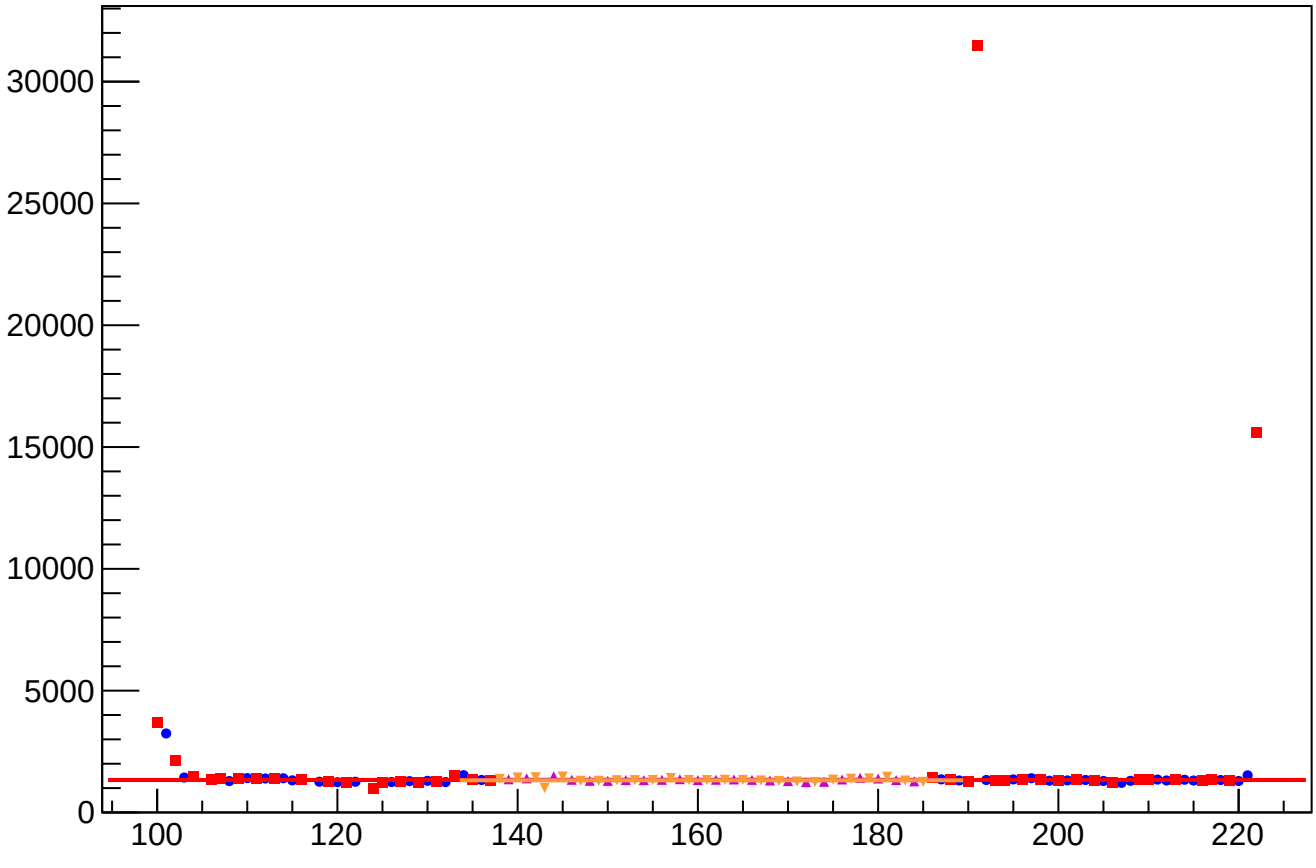
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2068.185+/-205.368 χ^2/NDF: 59.0/71

In: 2441.645+/-212.338 χ^2/NDF:45.6/56

Out: 1532.406+/-209.345 χ^2/NDF:71.2/62

All: 1980.573+/-149.076 χ^2/NDF: 126.0/119



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: 1336.105+/-0.206 χ^2/NDF: 1912682.3/37

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

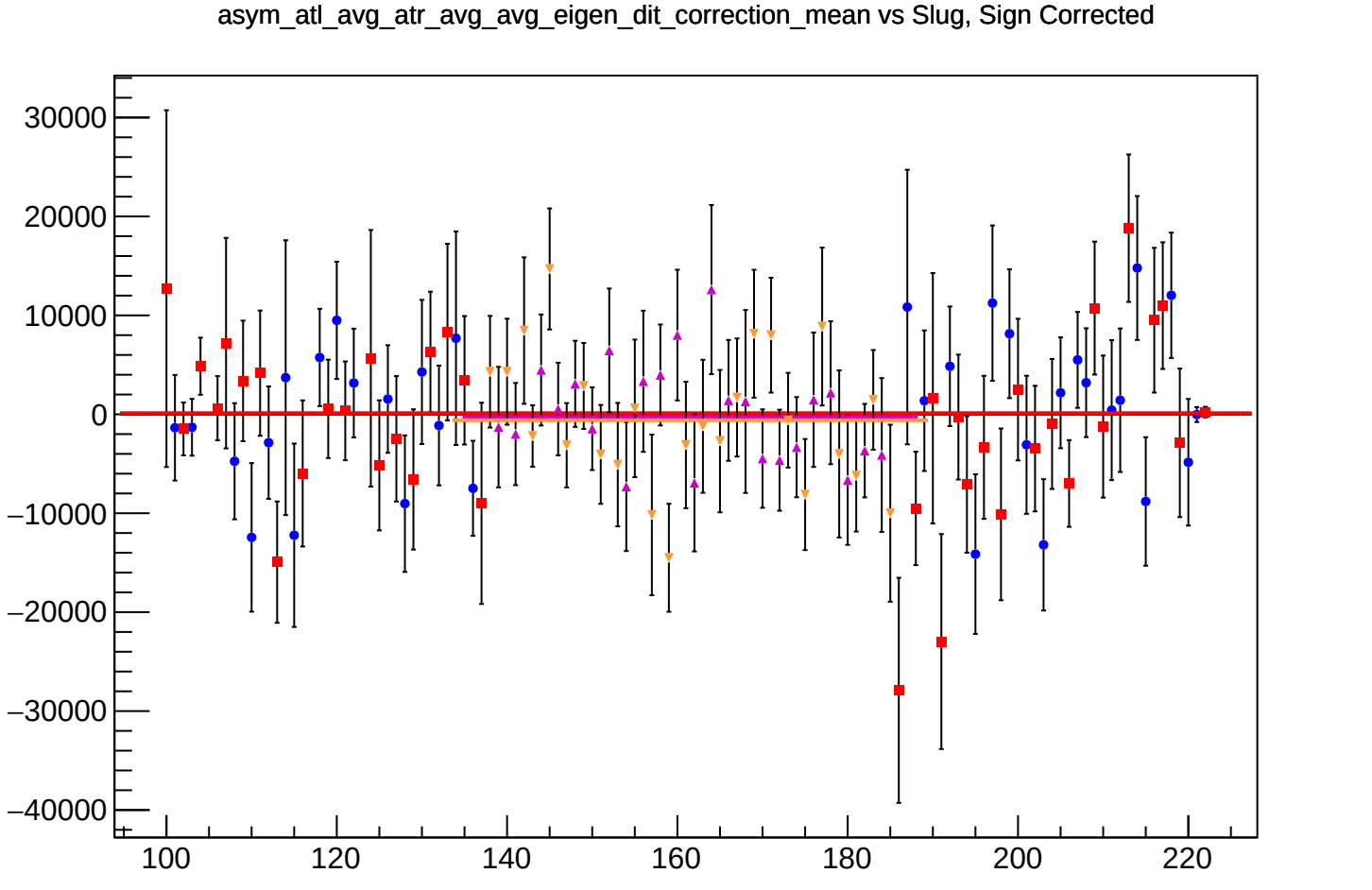
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1333.447+/-0.145 χ^2/NDF: 2451384.5/71

In: 1334.413+/-0.150 χ^2/NDF:593289.0/56

Out: 1327.407+/-0.148 χ^2/NDF:2164897.8/62

All: 1330.860+/-0.105 χ^2/NDF: 2759291.0/11



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: 109.703+/-469.449 χ^2/NDF: 49.0/37

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

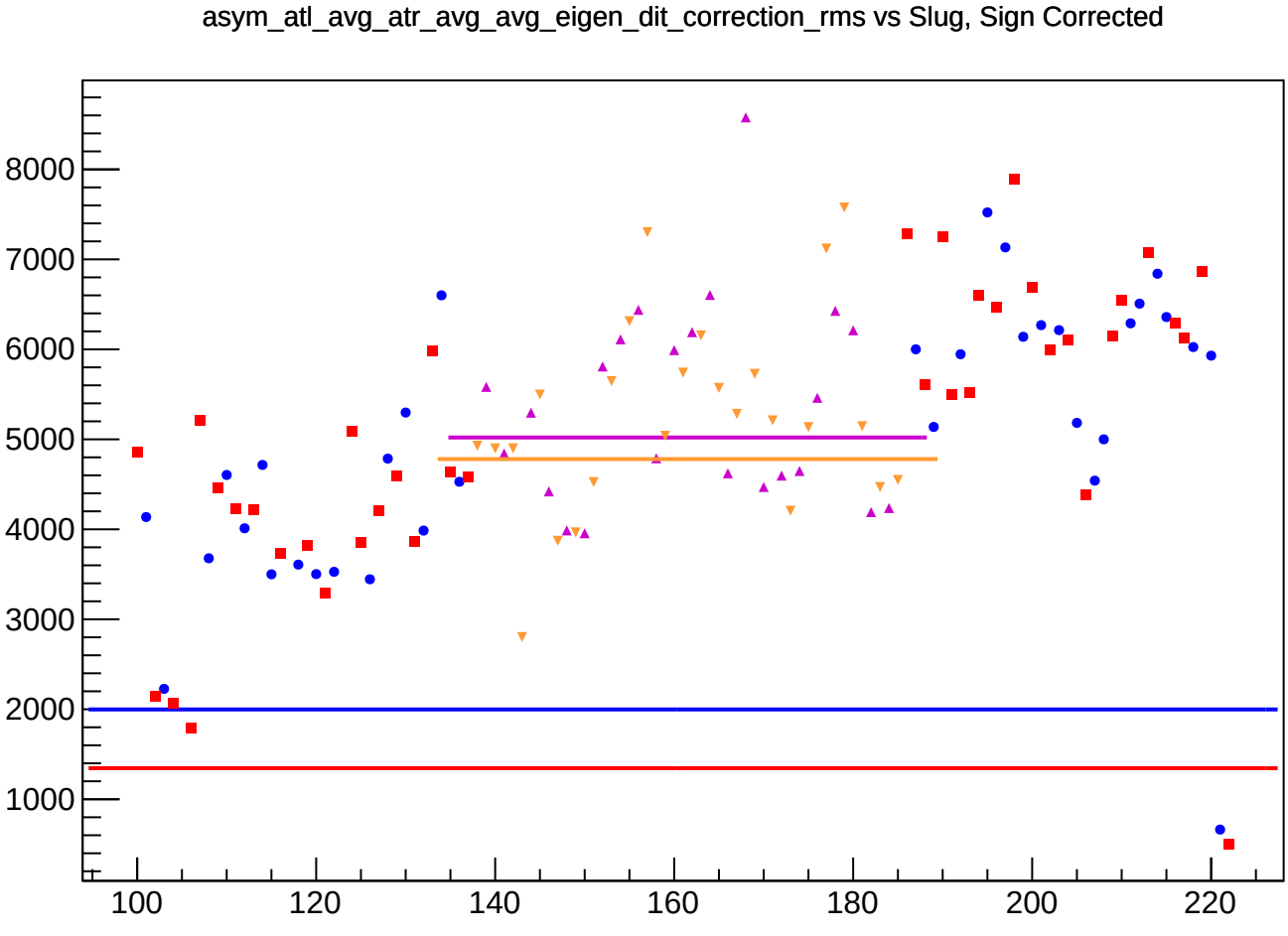
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: 91.089+/-373.087 χ^2/NDF: 88.2/71

In: -10.142+/-546.783 χ^2/NDF:52.7/56

Out: 4.774+/-433.087 χ^2/NDF:78.9/62

All: -0.976+/-339.494 χ^2/NDF: 131.6/119



Right In: 1998.293+/-0.435 χ^2/NDF: 22089757.2/33

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 1345.797+/-0.332 χ^2/NDF: 28064277.9/37

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

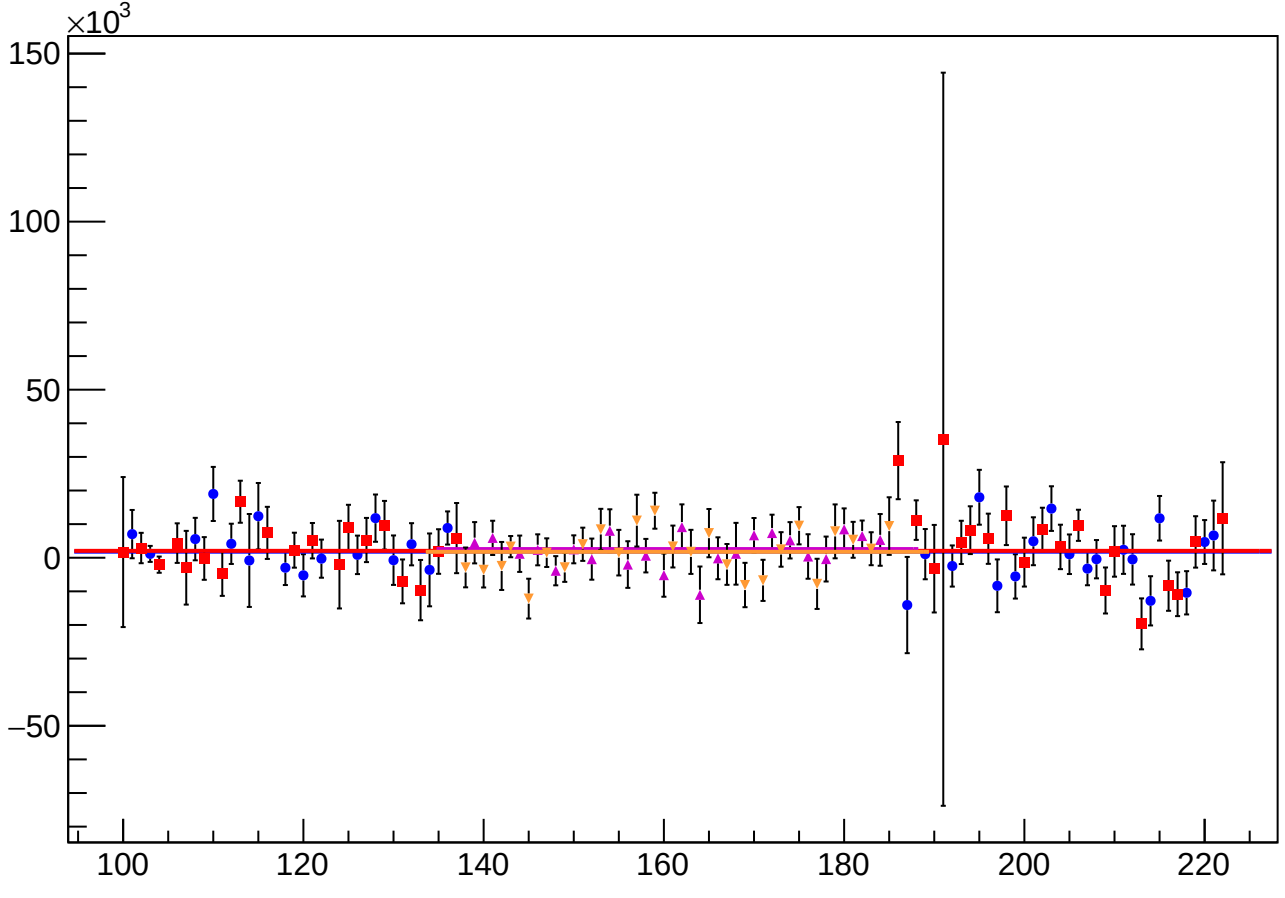
Right: 1586.174+/-0.264 χ^2/NDF: 51577428.9/71

In: 2629.129+/-0.387 χ^2/NDF:33406812.5/56

Out: 1857.264+/-0.306 χ^2/NDF:46012704.0/62

All: 2154.825+/-0.240 χ^2/NDF: 81868567.4/

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 1810.535+/-1054.079 χ^2/NDF: 37.7/33

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2050.896+/-1049.523 χ^2/NDF: 49.0/37

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

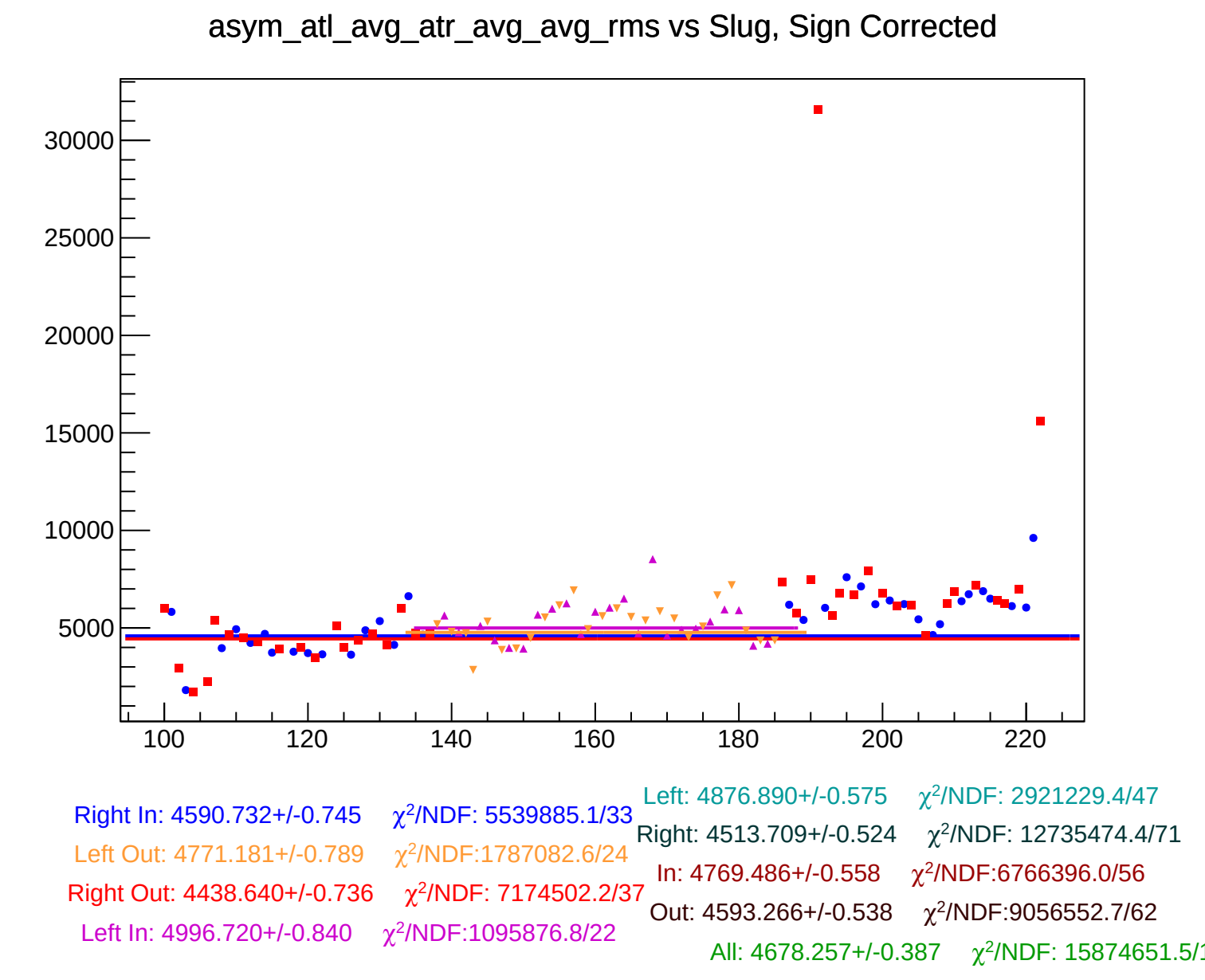
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1931.236+/-743.730 χ^2/NDF: 86.8/71

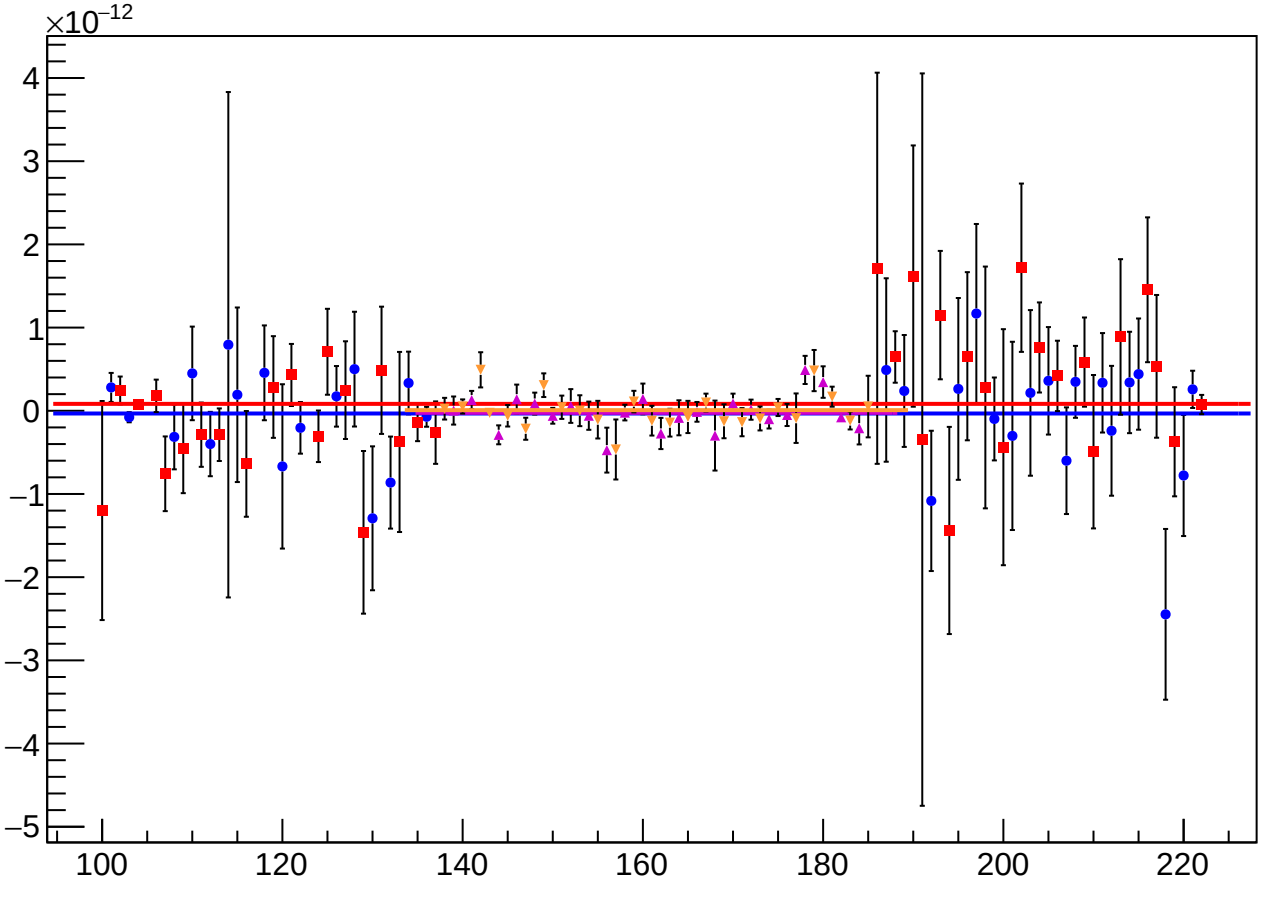
In: 2149.309+/-788.592 χ^2/NDF:51.2/56

Out: 1915.189+/-764.621 χ^2/NDF:76.7/62

All: 2028.637+/-548.947 χ^2/NDF: 128.0/119


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: 4438.640+/-0.736 χ²/NDF: 7174502.2/37
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4513.709+/-0.524 χ²/NDF: 12735474.4/71
In: 4769.486+/-0.558 χ²/NDF:6766396.0/56
Out: 4593.266+/-0.538 χ²/NDF:9056552.7/62
All: 4678.257+/-0.387 χ²/NDF: 15874651.5/1

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: 37.9/37

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

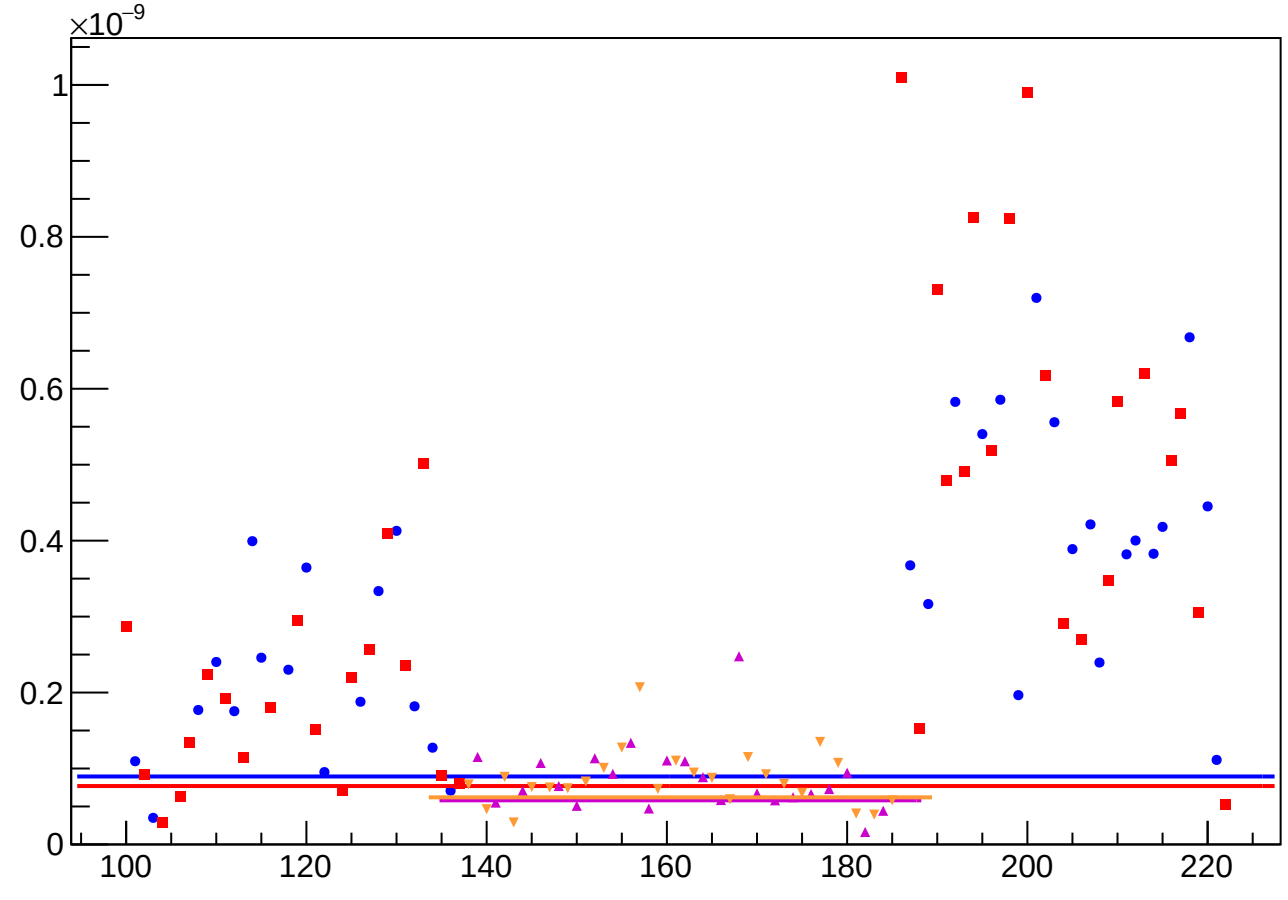
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 70.1/71

In: -0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:67.3/62

All: 0.000+/-0.000 χ^2/NDF: 130.7/119



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: 11554238.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

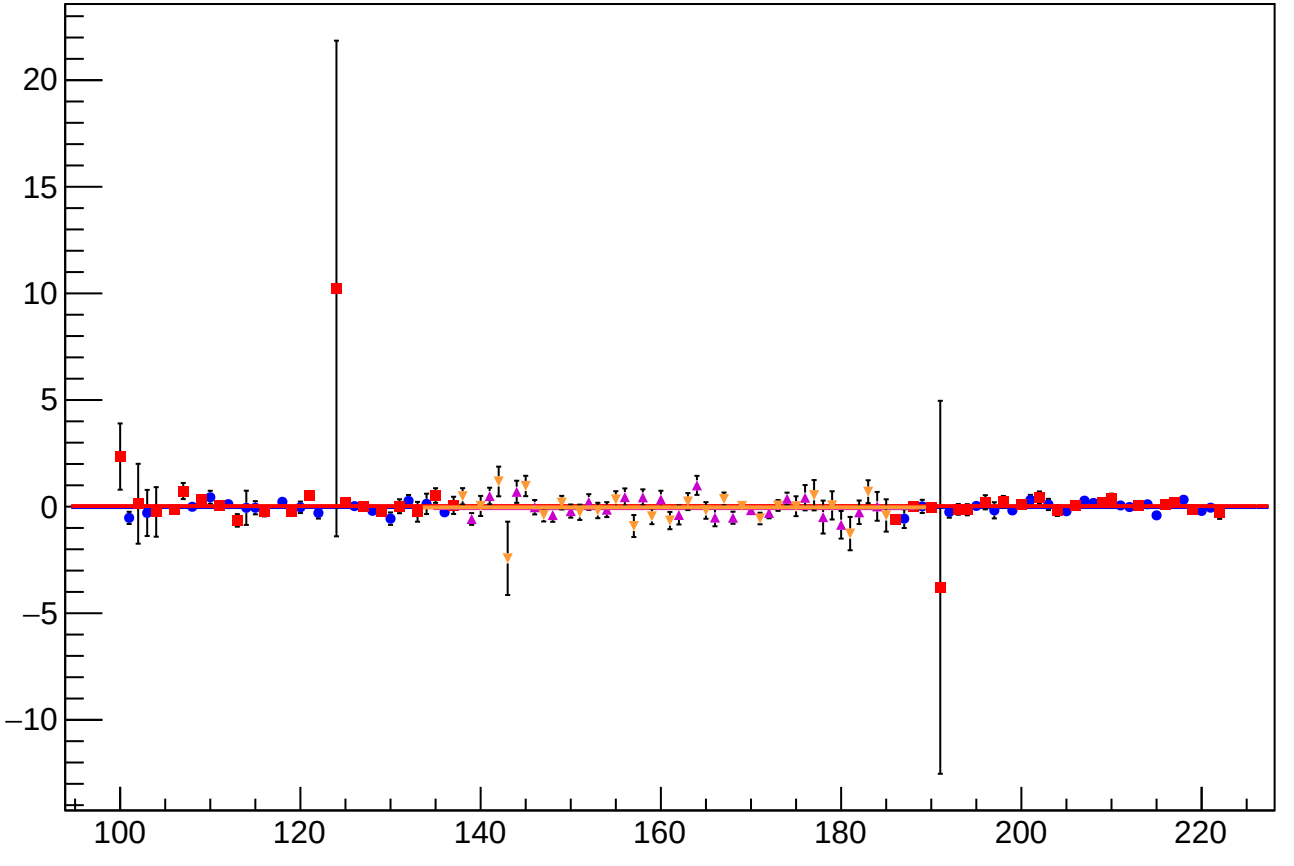
Right: 0.000+/-0.000 χ^2/NDF: 21779659.4/71

In: 0.000+/-0.000 χ^2/NDF:13821200.2/56

Out: 0.000+/-0.000 χ^2/NDF:14176161.5/62

All: 0.000+/-0.000 χ^2/NDF: 27997414.4/119

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: 0.026+/-0.036 χ^2/NDF: 46.5/37

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

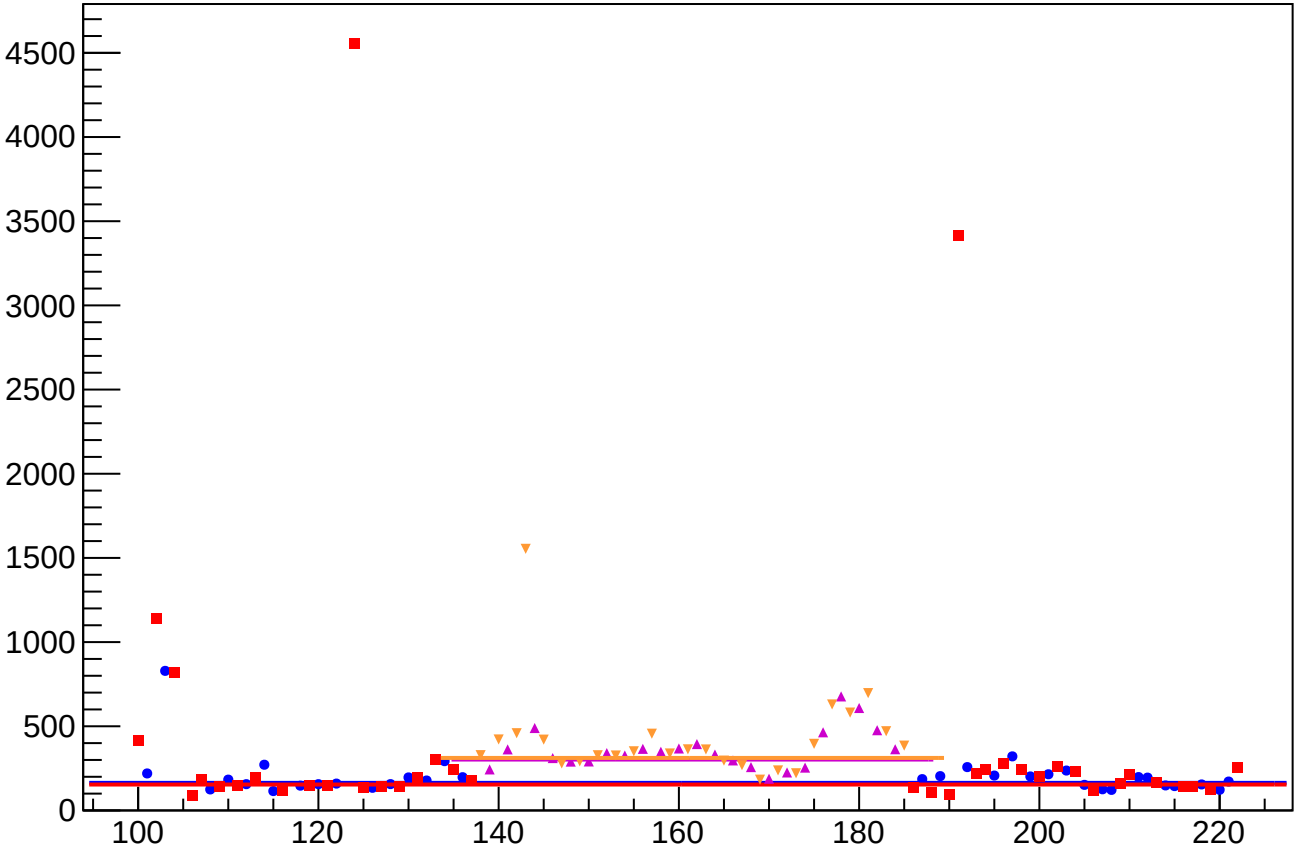
Right: 0.004+/-0.026 χ^2/NDF: 88.5/71

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.015+/-0.033 χ^2/NDF:79.5/62

All: -0.007+/-0.024 χ^2/NDF: 152.0/119

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: 153.990+/-0.026 χ^2/NDF: 5235052.2/37

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

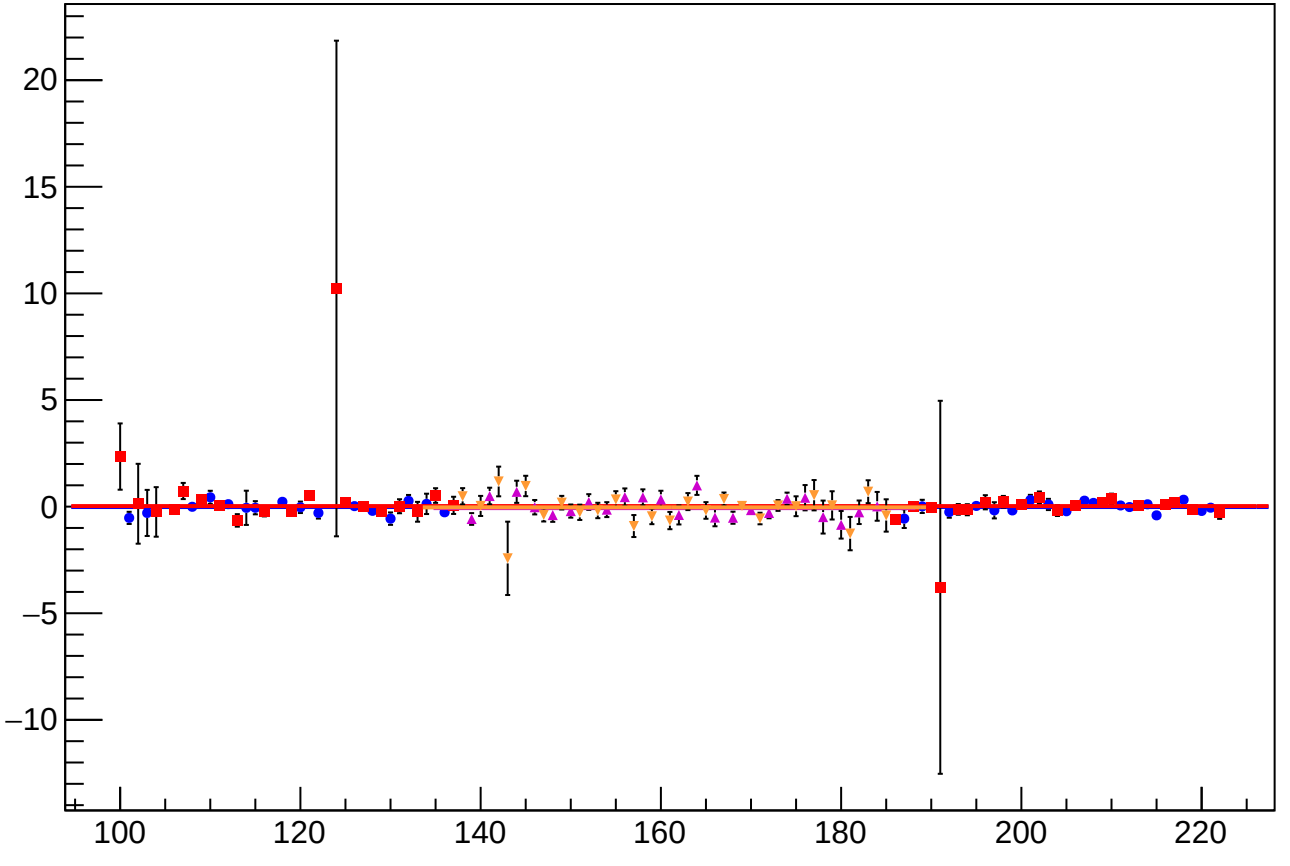
Right: 158.780+/-0.019 χ^2/NDF: 8267010.8/71

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 183.071+/-0.023 χ^2/NDF:16511990.6/62

All: 187.350+/-0.017 χ^2/NDF: 27808823.4/11

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: 0.026+/-0.036 χ^2/NDF: 46.5/37

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

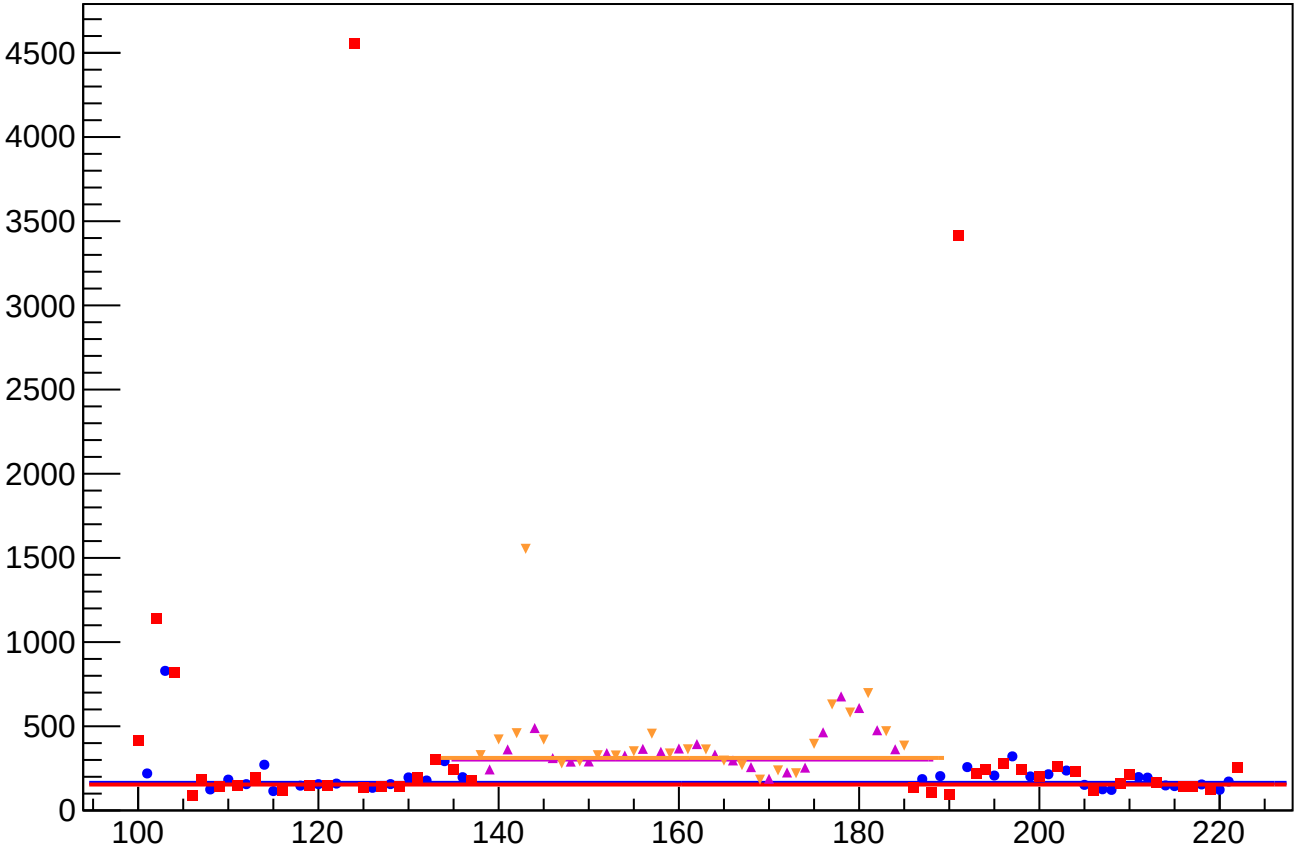
Right: 0.004+/-0.026 χ^2/NDF: 88.5/71

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.015+/-0.033 χ^2/NDF:79.5/62

All: -0.007+/-0.024 χ^2/NDF: 152.0/119

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: 153.990+/-0.026 χ^2/NDF: 5235052.2/37

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

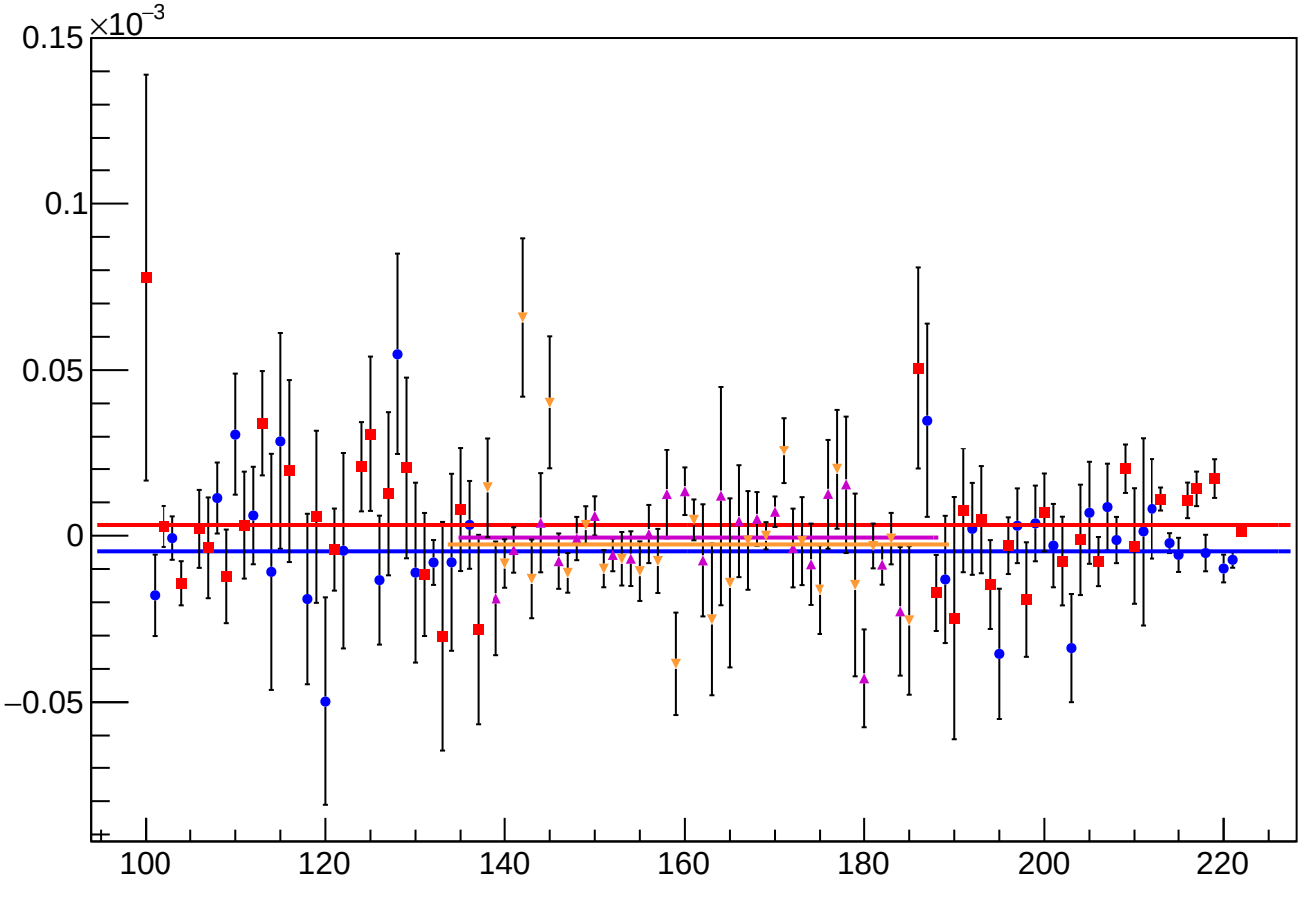
Right: 158.780+/-0.019 χ^2/NDF: 8267010.8/71

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 183.071+/-0.023 χ^2/NDF:16511990.6/62

All: 187.350+/-0.017 χ^2/NDF: 27808823.4/11

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: 59.0/37

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

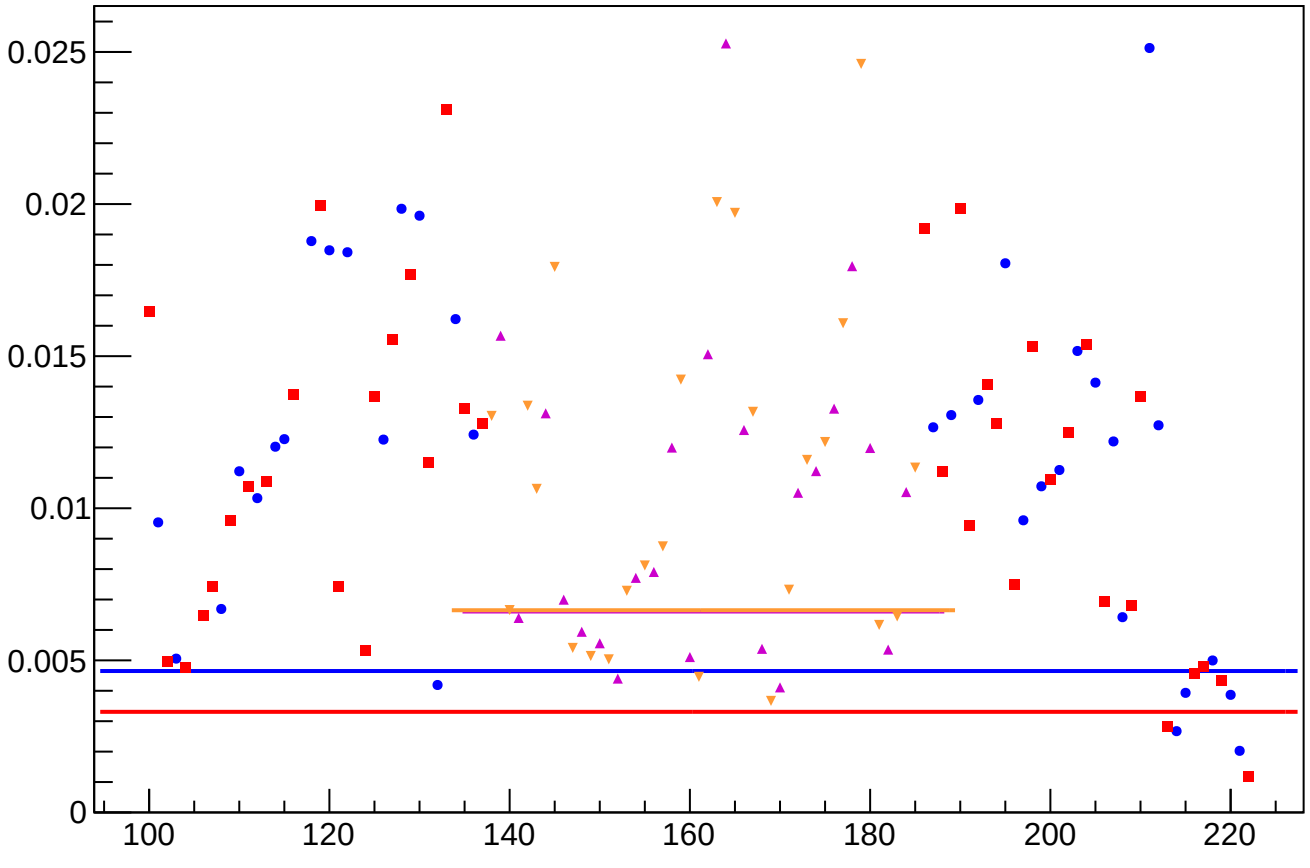
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: 0.000+/-0.000 χ^2/NDF: 112.4/71

In: -0.000+/-0.000 χ^2/NDF:61.6/56

Out: 0.000+/-0.000 χ^2/NDF:109.7/62

All: -0.000+/-0.000 χ^2/NDF: 183.8/119



Right In: 0.005+/-0.000 χ^2/NDF: 16409670.9/33

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 21821449.4/37

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

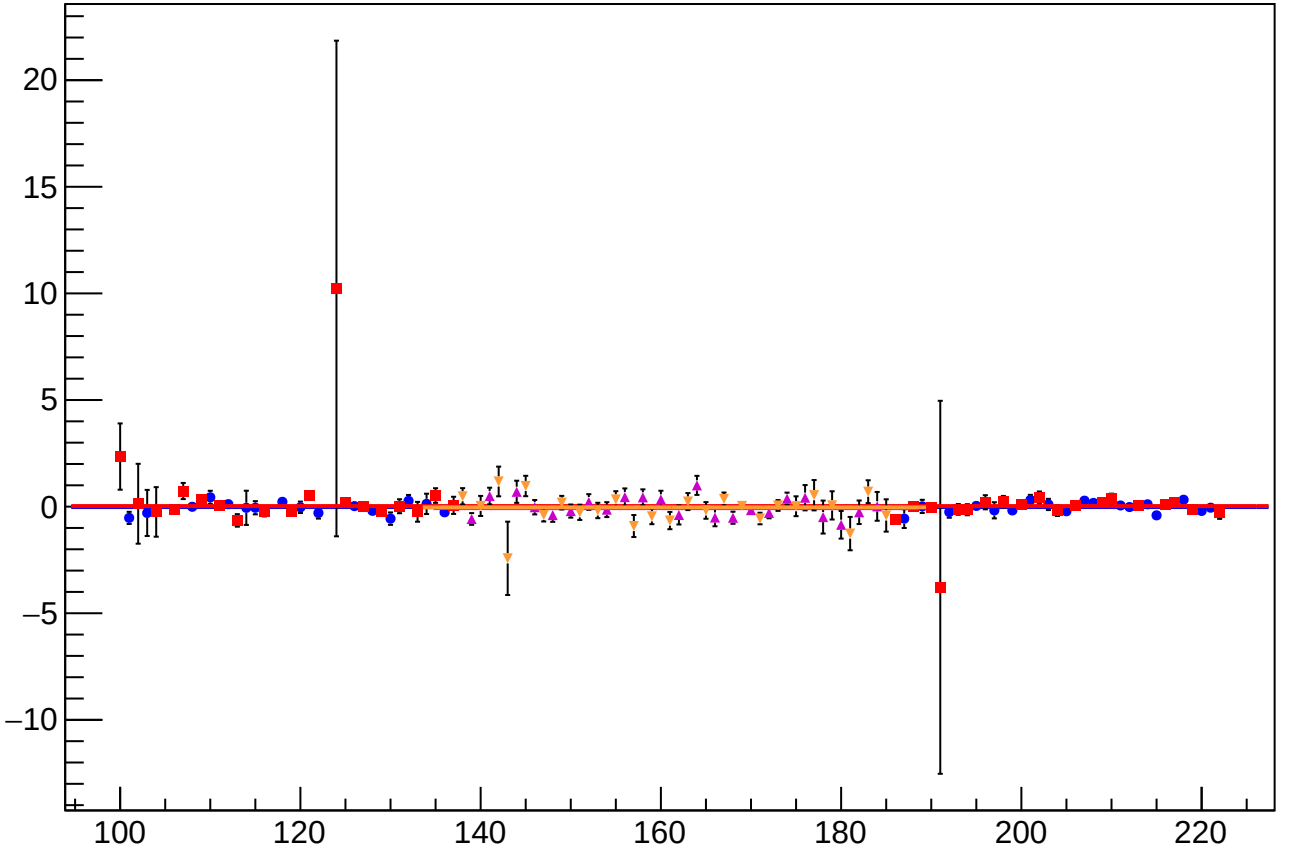
Right: 0.004+/-0.000 χ^2/NDF: 39506260.6/71

In: 0.005+/-0.000 χ^2/NDF:23833420.2/56

Out: 0.004+/-0.000 χ^2/NDF:34760260.6/62

All: 0.005+/-0.000 χ^2/NDF: 59960570.3/119

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: 0.026+/-0.036 χ^2/NDF: 46.5/37

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

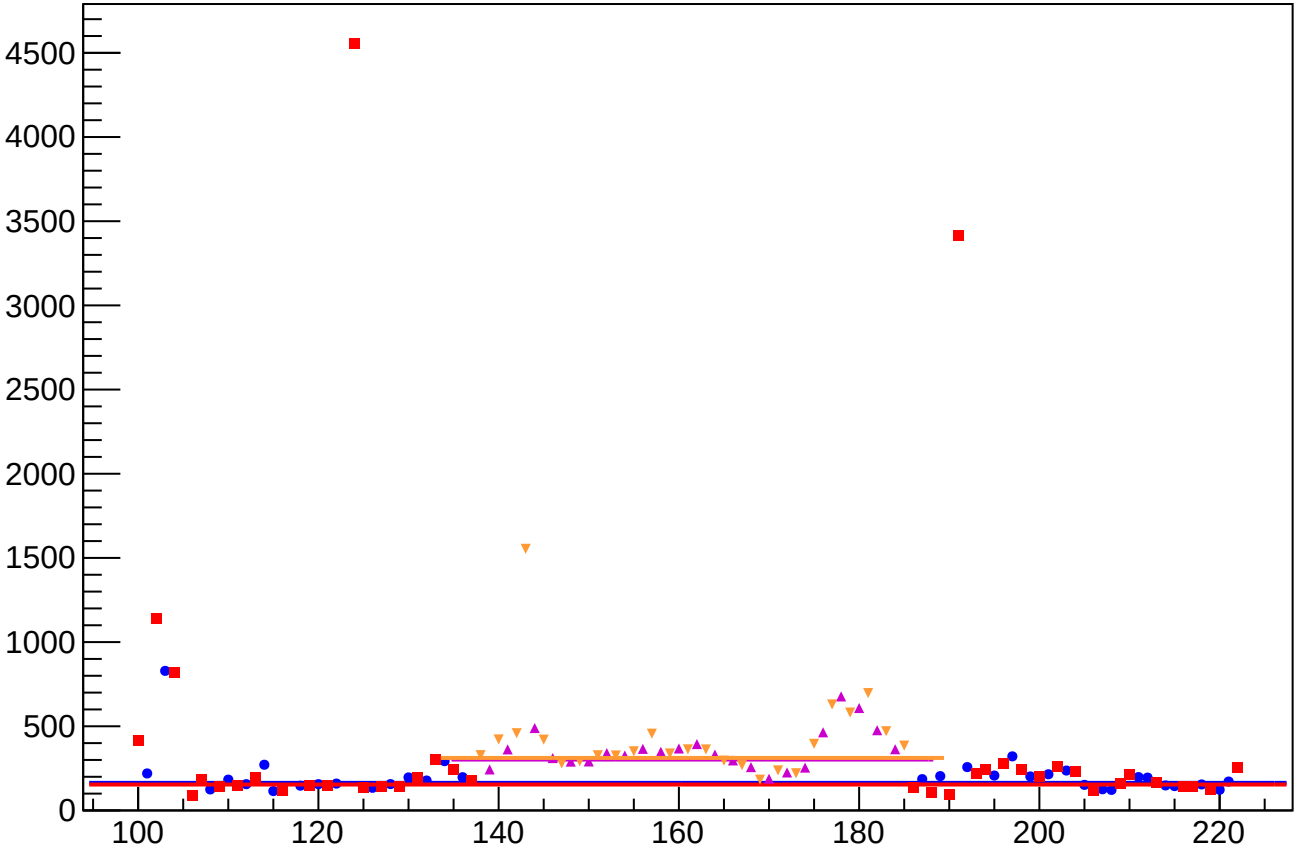
Right: 0.004+/-0.026 χ^2/NDF: 88.5/71

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.015+/-0.033 χ^2/NDF:79.5/62

All: -0.007+/-0.024 χ^2/NDF: 152.0/119

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: 153.987+/-0.026 χ^2/NDF: 5235273.0/37

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

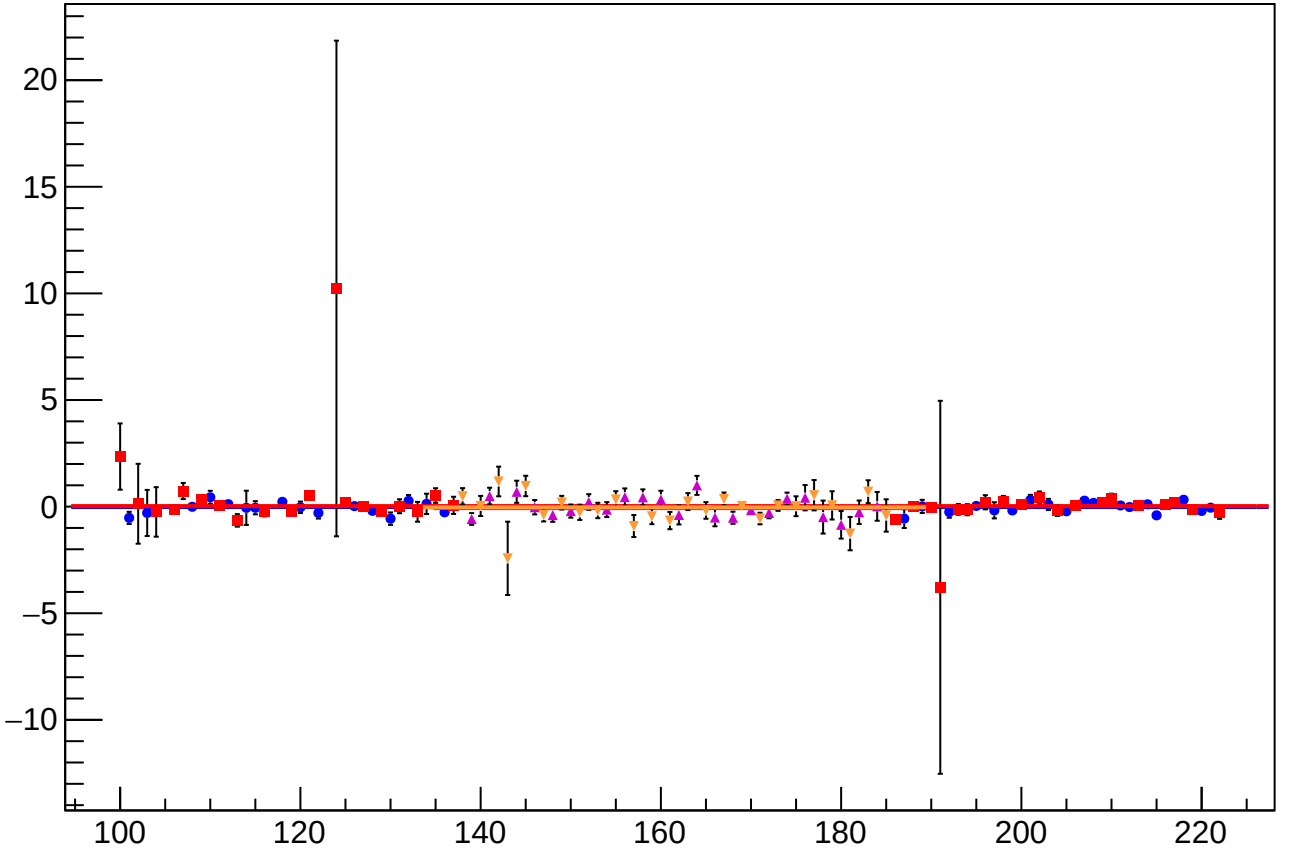
Right: 158.778+/-0.019 χ^2/NDF: 8267325.0/71

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 183.068+/-0.023 χ^2/NDF:16512661.9/62

All: 187.348+/-0.017 χ^2/NDF: 27809862.4/11

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: 0.026+/-0.036 χ^2/NDF: 46.5/37

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

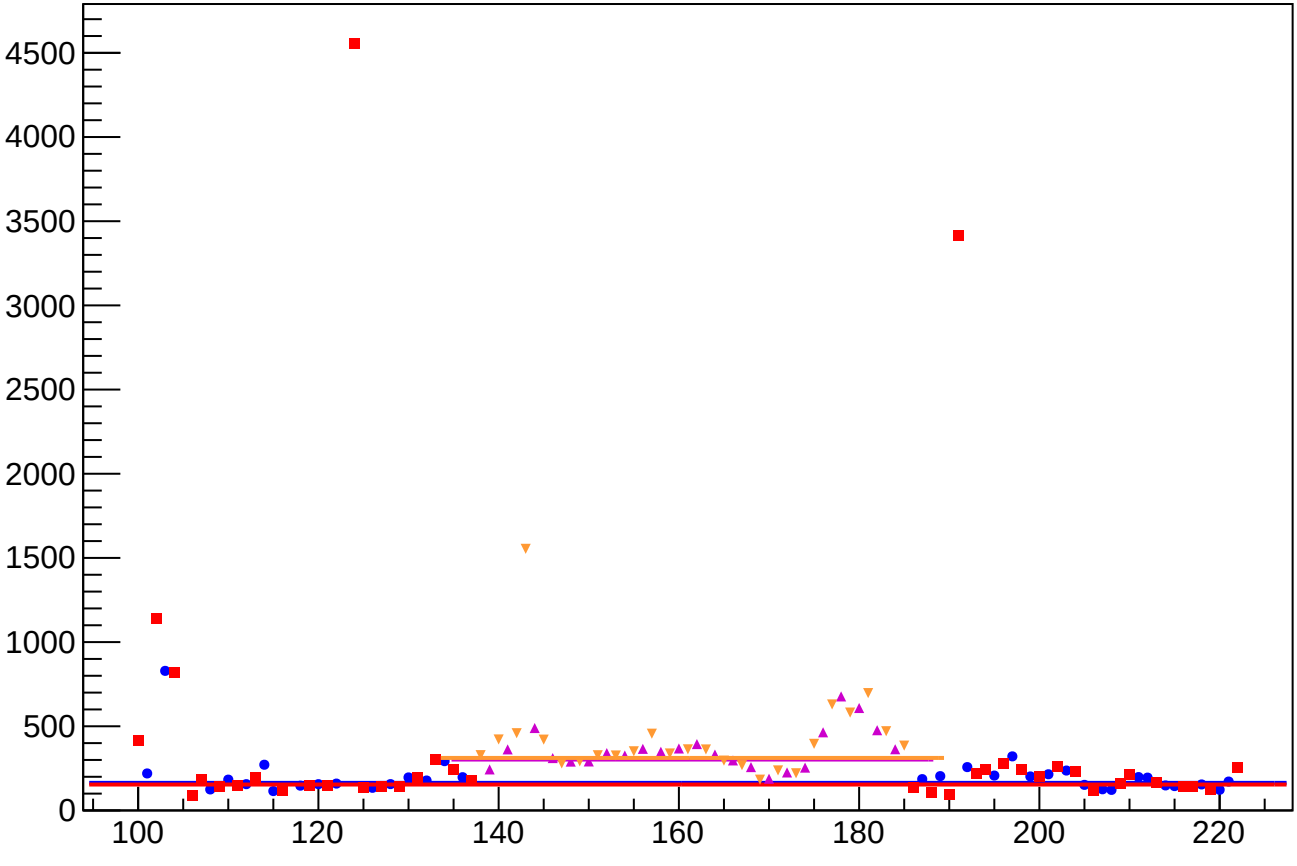
Right: 0.004+/-0.026 χ^2/NDF: 88.5/71

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.015+/-0.033 χ^2/NDF:79.5/62

All: -0.007+/-0.024 χ^2/NDF: 152.0/119

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: 153.987+/-0.026 χ^2/NDF: 5235273.0/37

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

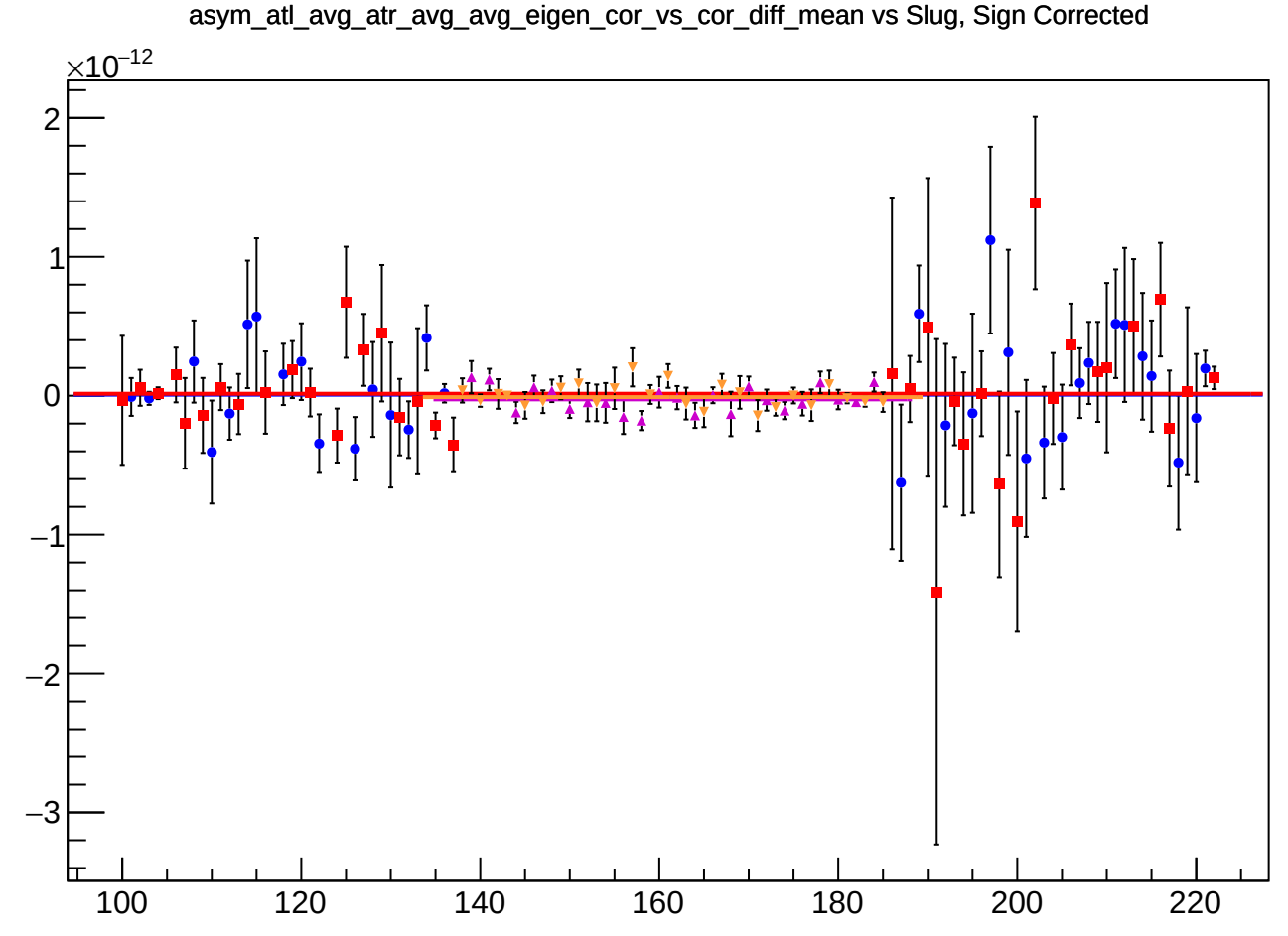
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 158.778+/-0.019 χ^2/NDF: 8267325.0/71

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 183.068+/-0.023 χ^2/NDF:16512661.9/62

All: 187.348+/-0.017 χ^2/NDF: 27809862.4/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/37

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

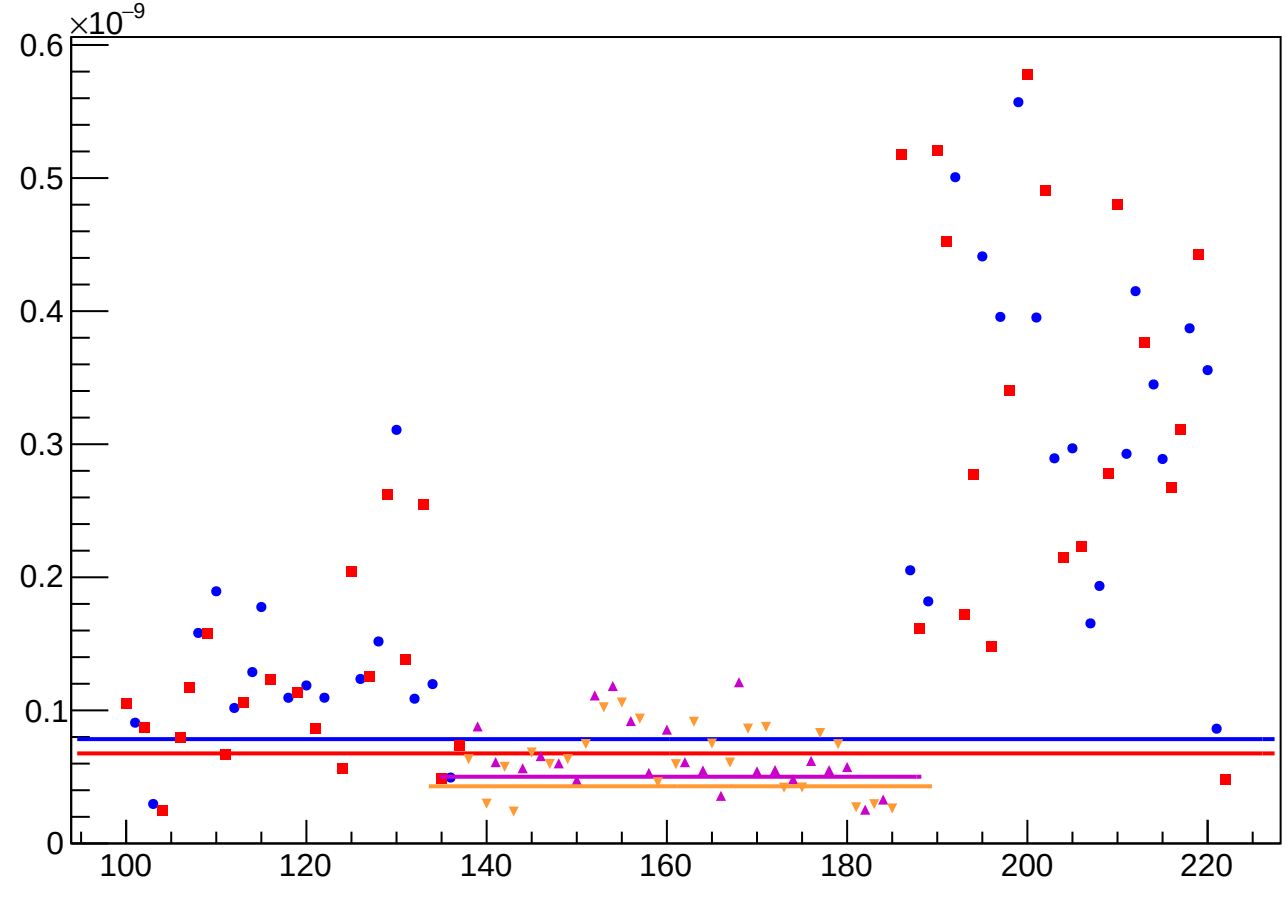
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: 0.000+/-0.000 χ^2/NDF: 68.8/71

In: -0.000+/-0.000 χ^2/NDF:61.3/56

Out: -0.000+/-0.000 χ^2/NDF:52.8/62

All: -0.000+/-0.000 χ^2/NDF: 114.7/119



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: 12983073.8/37

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

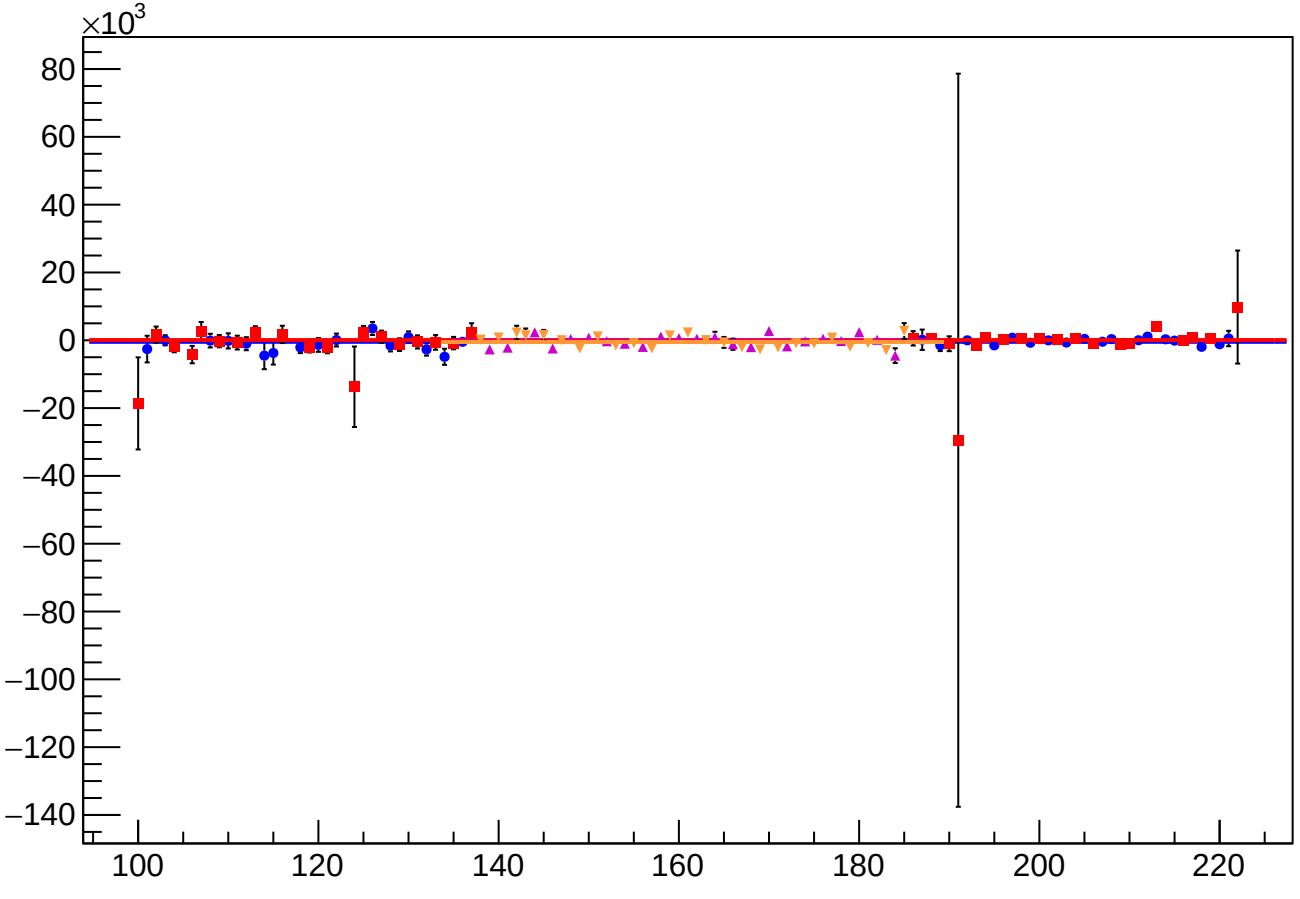
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26556637.7/71

In: 0.000+/-0.000 χ^2/NDF:18428705.7/56

Out: 0.000+/-0.000 χ^2/NDF:19310756.3/62

All: 0.000+/-0.000 χ^2/NDF: 38147741.1/119



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: 63.523+/-280.532 χ^2/NDF: 30.6/37

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

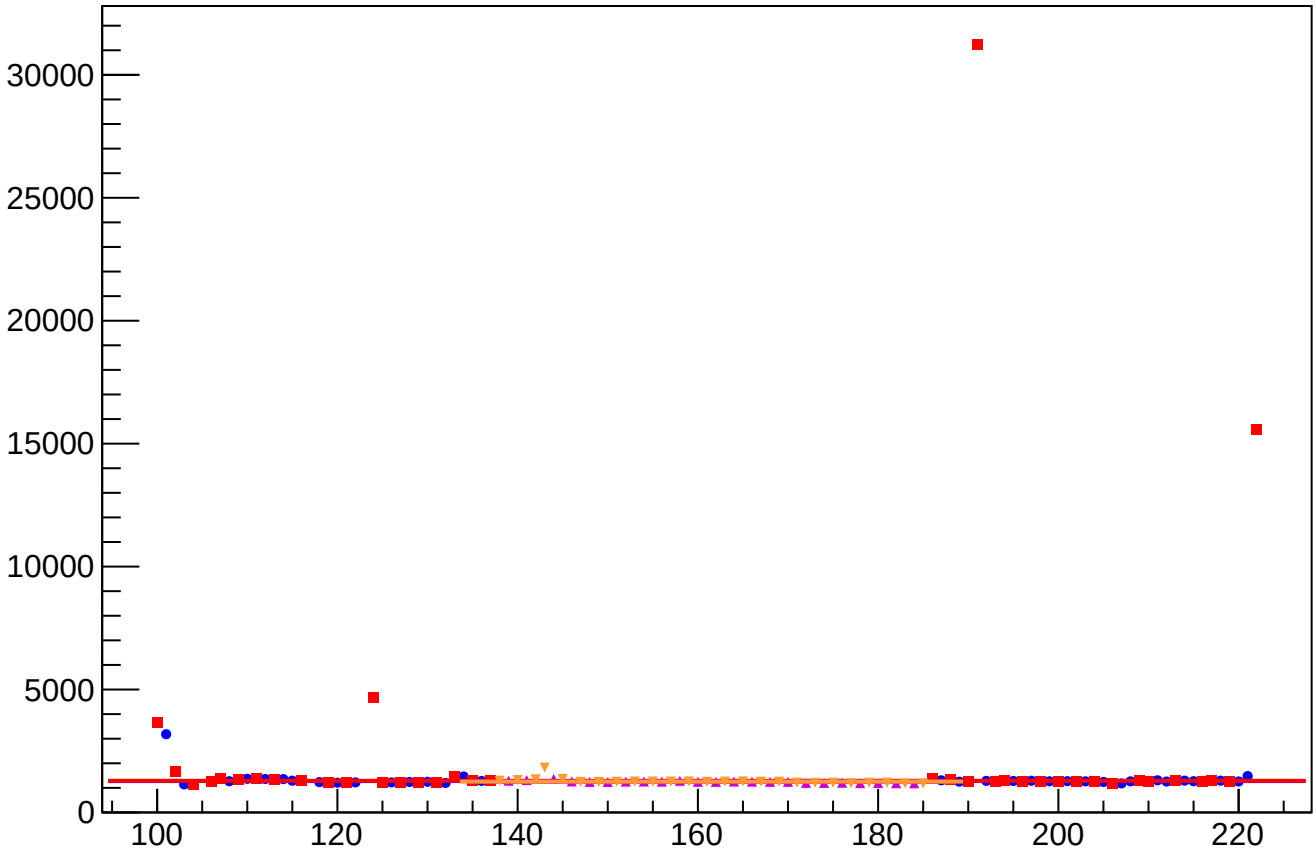
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -194.879+/-197.213 χ^2/NDF: 52.2/71

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -219.958+/-200.252 χ^2/NDF:63.6/62

All: -284.807+/-141.794 χ^2/NDF: 116.1/119



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: 1286.922+/-0.198 χ^2/NDF: 1981478.7/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

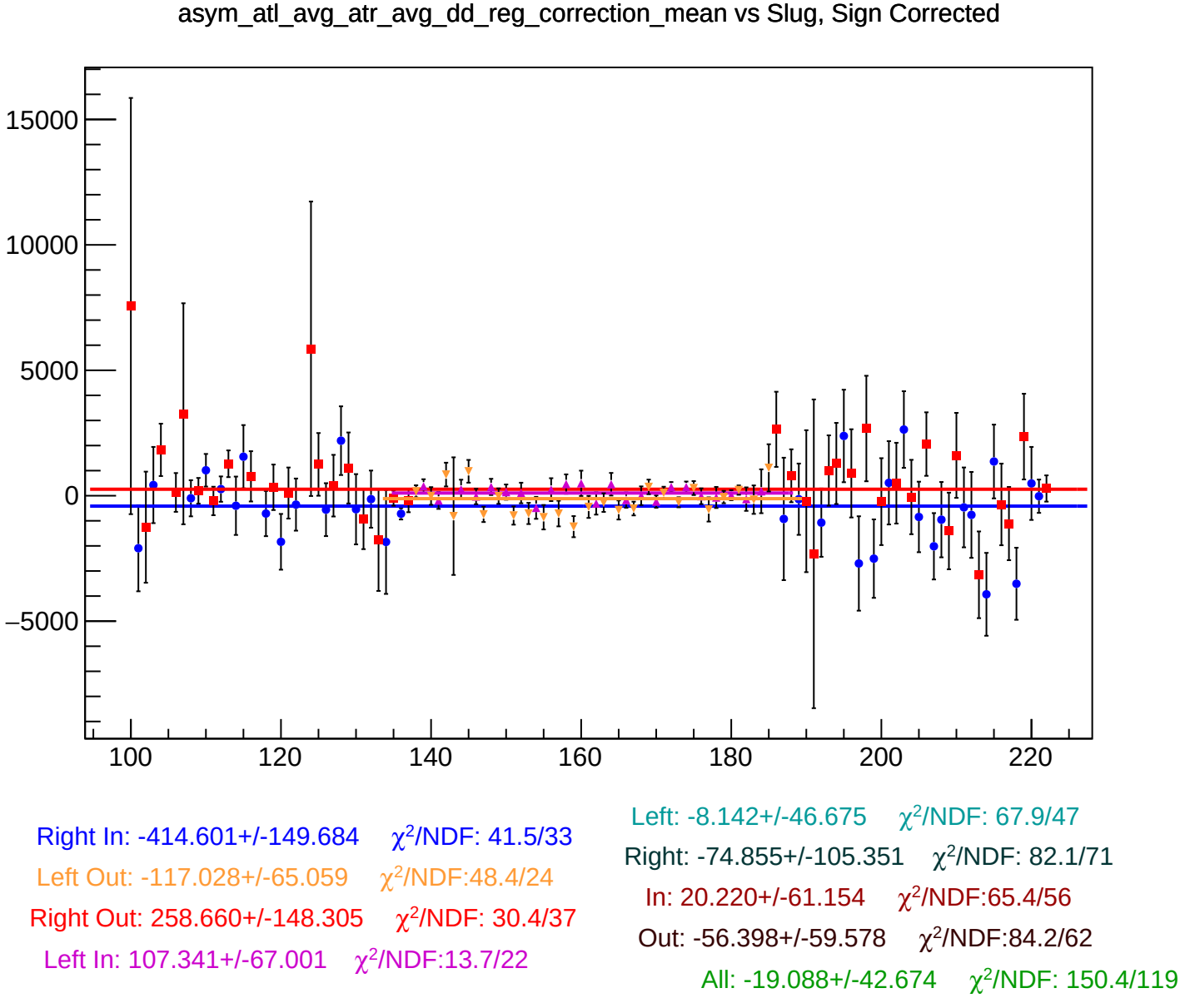
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.728+/-0.139 χ^2/NDF: 2533635.1/71

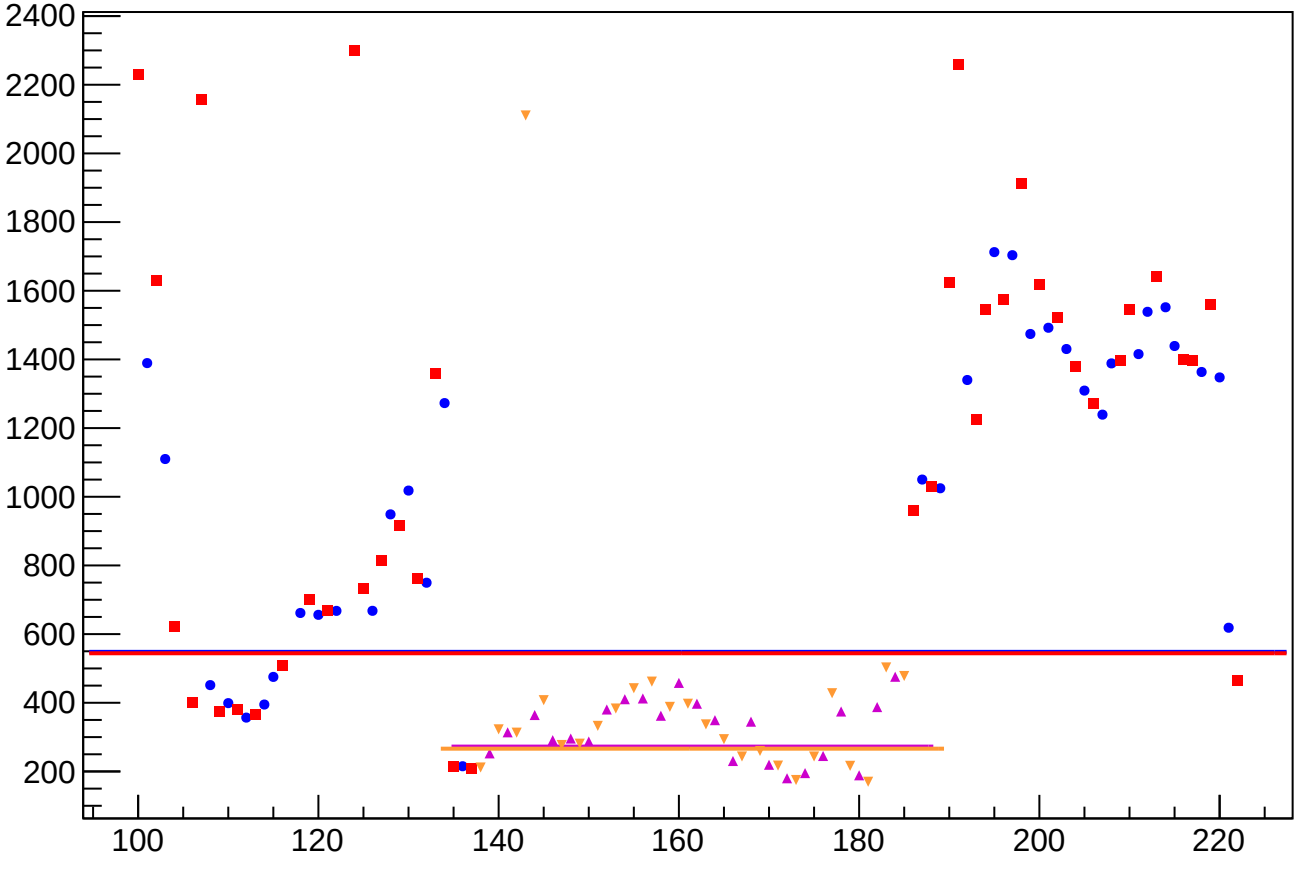
In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1271.518+/-0.142 χ^2/NDF:2196898.3/62

All: 1266.893+/-0.100 χ^2/NDF: 2801051.2/11


asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -414.601+/-149.684 χ²/NDF: 41.5/33
Left Out: -117.028+/-65.059 χ²/NDF:48.4/24
Right Out: 258.660+/-148.305 χ²/NDF: 30.4/37
Left In: 107.341+/-67.001 χ²/NDF:13.7/22
Left: -8.142+/-46.675 χ²/NDF: 67.9/47
Right: -74.855+/-105.351 χ²/NDF: 82.1/71
In: 20.220+/-61.154 χ²/NDF:65.4/56
Out: -56.398+/-59.578 χ²/NDF:84.2/62
All: -19.088+/-42.674 χ²/NDF: 150.4/119

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: 544.199+/-0.105 χ^2/NDF: 16566375.3/37

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

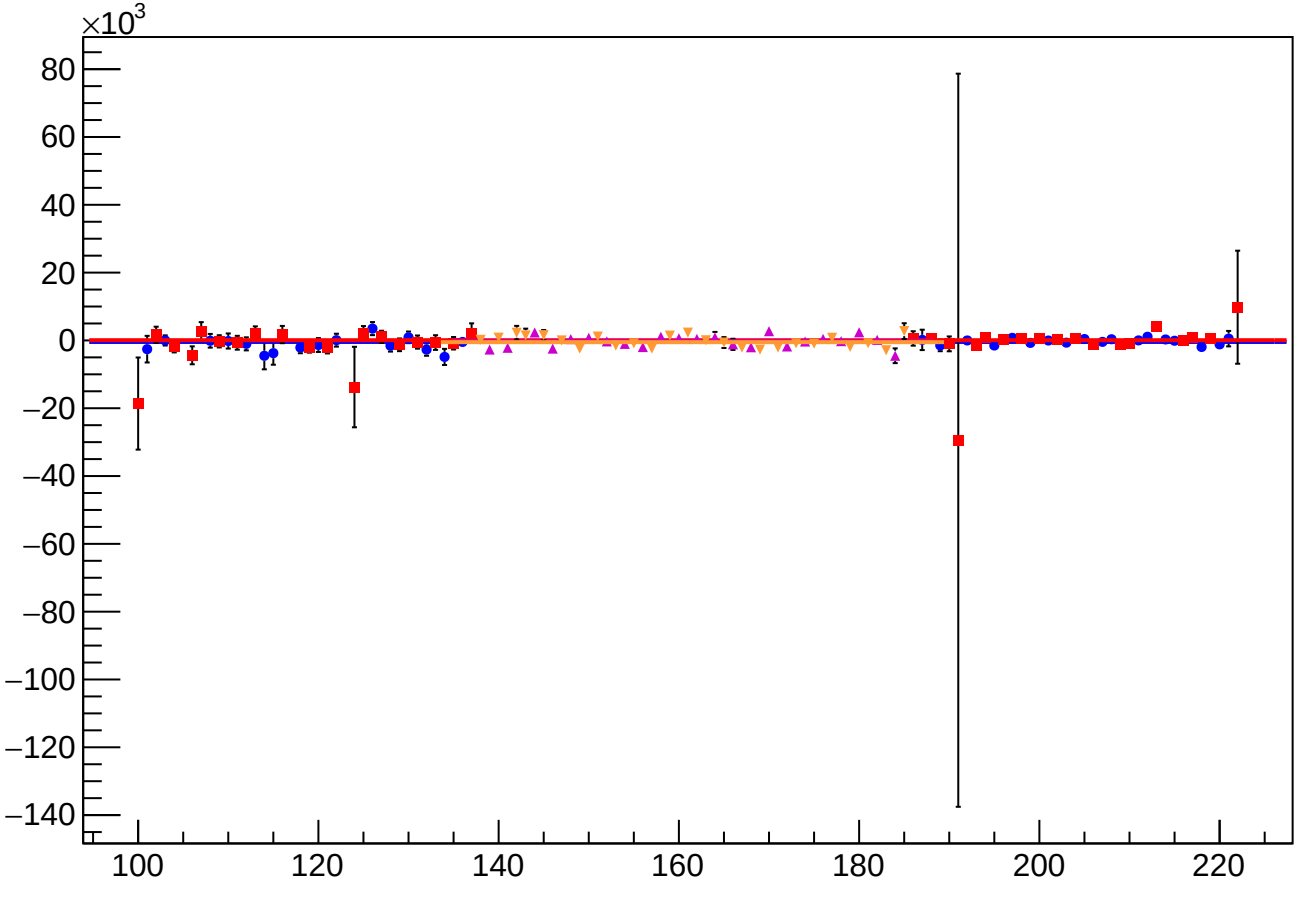
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 546.230+/-0.074 χ^2/NDF: 33146596.8/71

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 311.166+/-0.042 χ^2/NDF:27084811.1/62

All: 314.701+/-0.030 χ^2/NDF: 52228572.3/11



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: 64.674+/-280.632 χ^2/NDF: 30.6/37

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

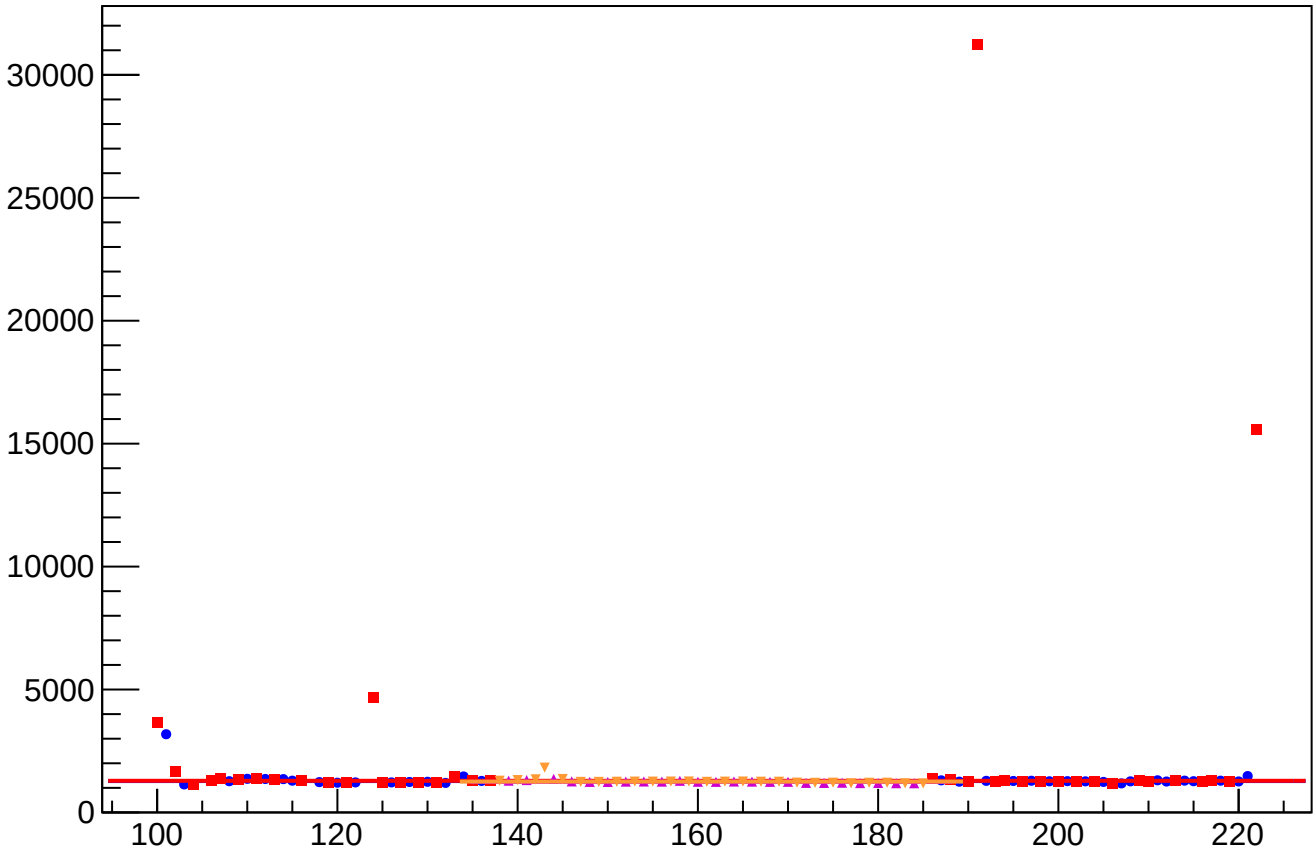
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.327+/-197.248 χ^2/NDF: 52.3/71

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -219.449+/-200.289 χ^2/NDF:63.6/62

All: -284.519+/-141.807 χ^2/NDF: 116.1/119



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: 1287.399+/-0.198 χ^2/NDF: 1981382.4/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

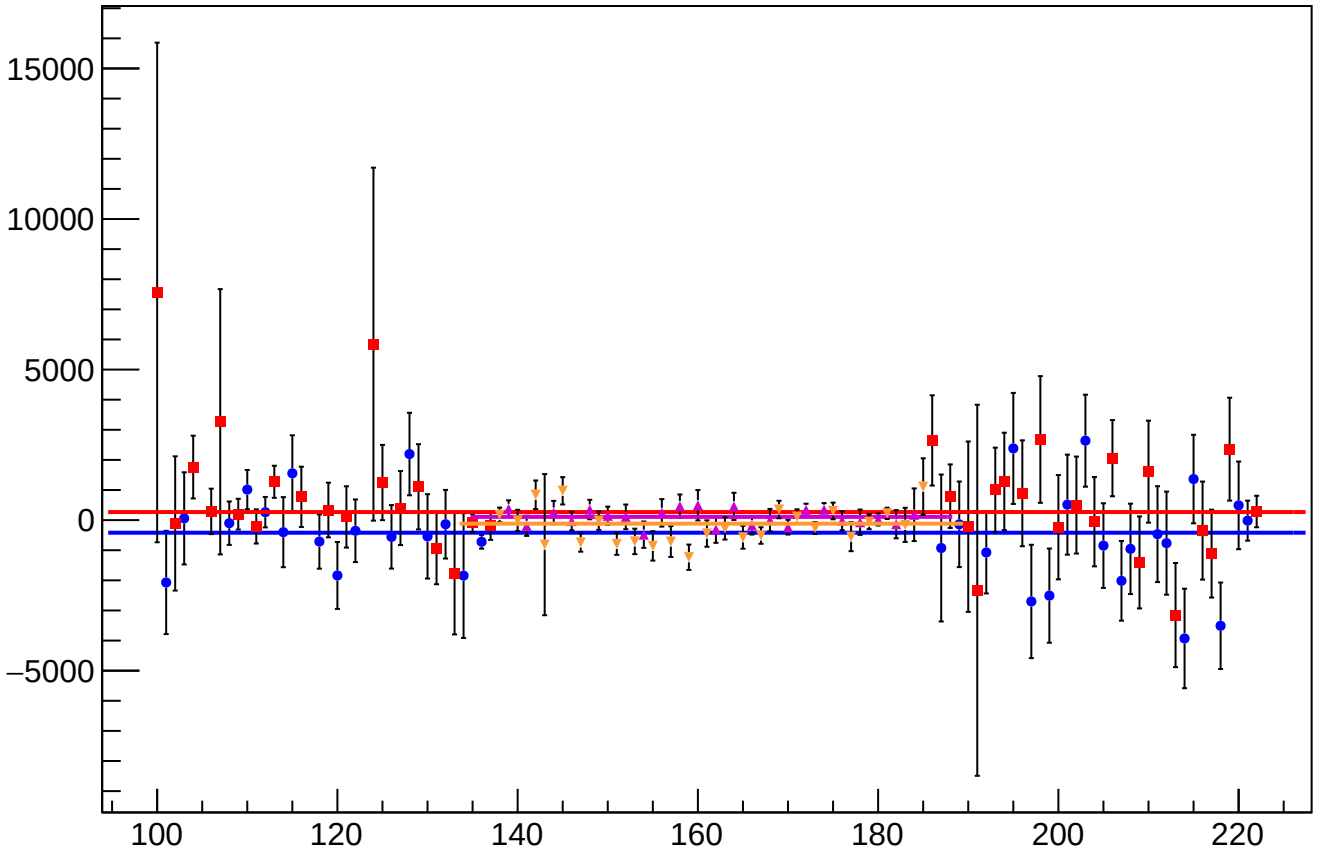
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.961+/-0.139 χ^2/NDF: 2533668.5/71

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1271.755+/-0.142 χ^2/NDF:2197173.5/62

All: 1267.011+/-0.100 χ^2/NDF: 2801438.2/11



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: 268.526+/-148.176 χ^2/NDF: 29.7/37

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

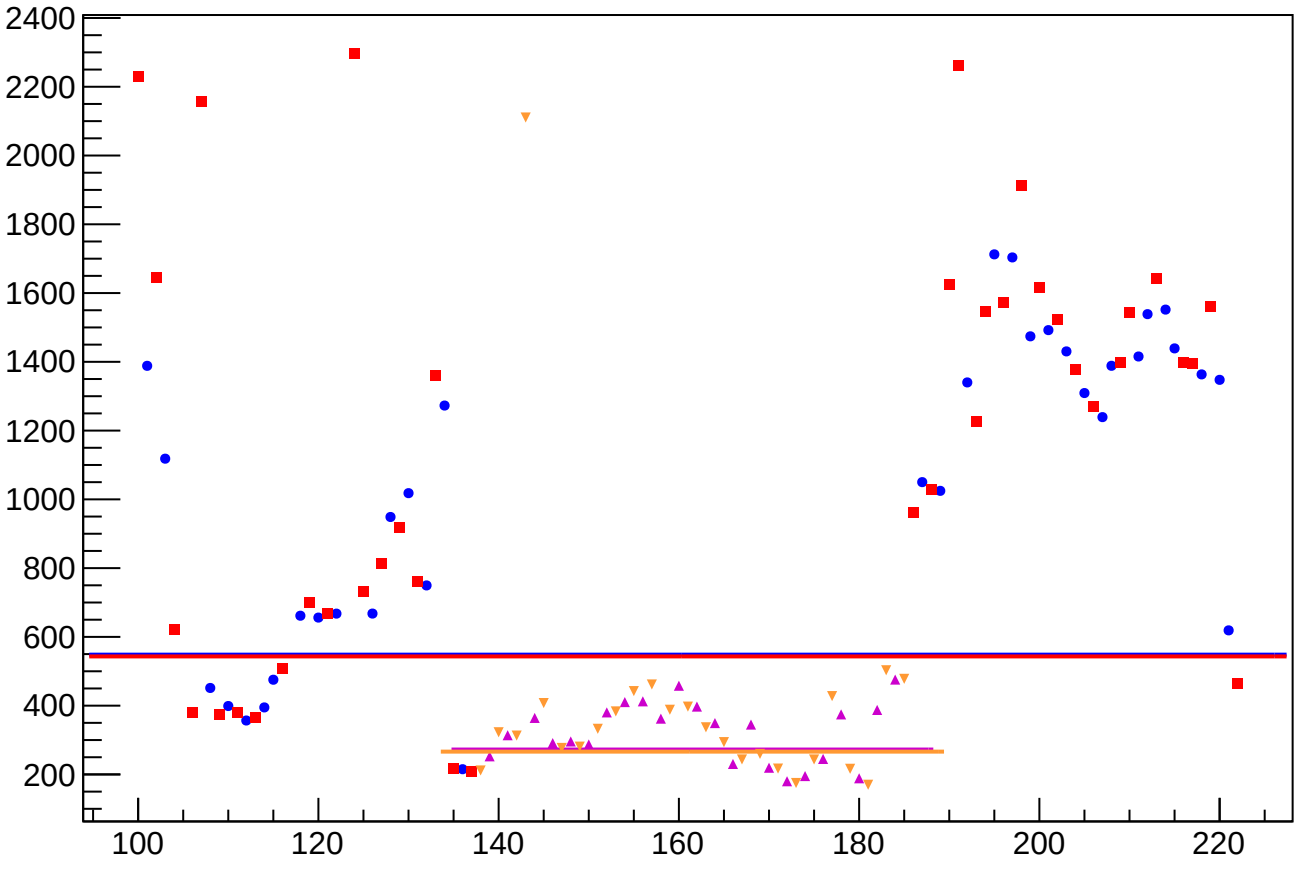
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -71.244+/-105.311 χ^2/NDF: 81.6/71

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -54.690+/-59.571 χ^2/NDF:83.8/62

All: -18.444+/-42.673 χ^2/NDF: 149.9/119



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: 543.208+/-0.105 χ^2/NDF: 16597092.9/37

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

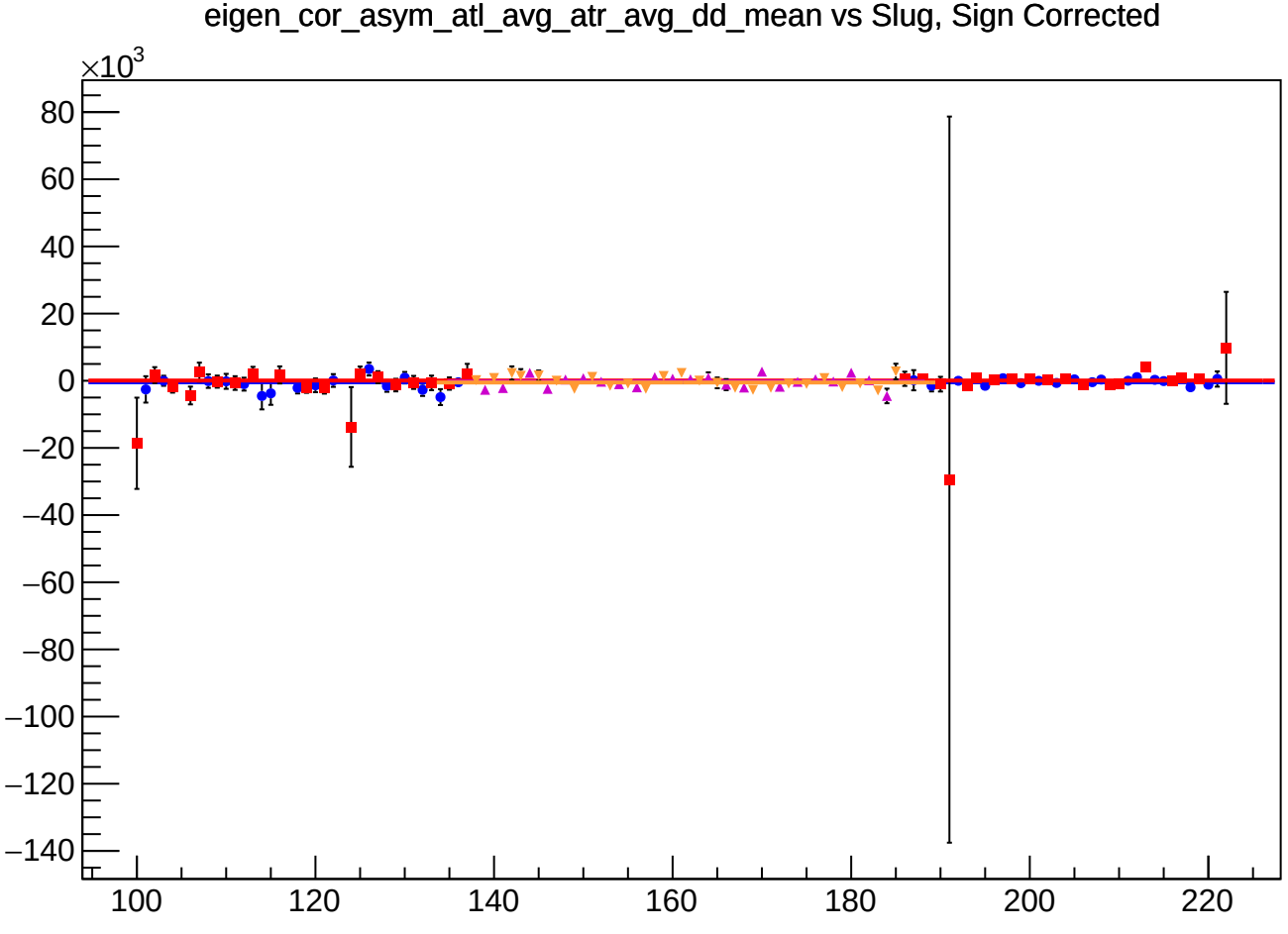
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.749+/-0.074 χ^2/NDF: 33180895.6/71

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 311.078+/-0.042 χ^2/NDF:27081918.4/62

All: 314.659+/-0.030 χ^2/NDF: 52229170.2/11



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: 64.674+/-280.632 χ^2/NDF: 30.6/37

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

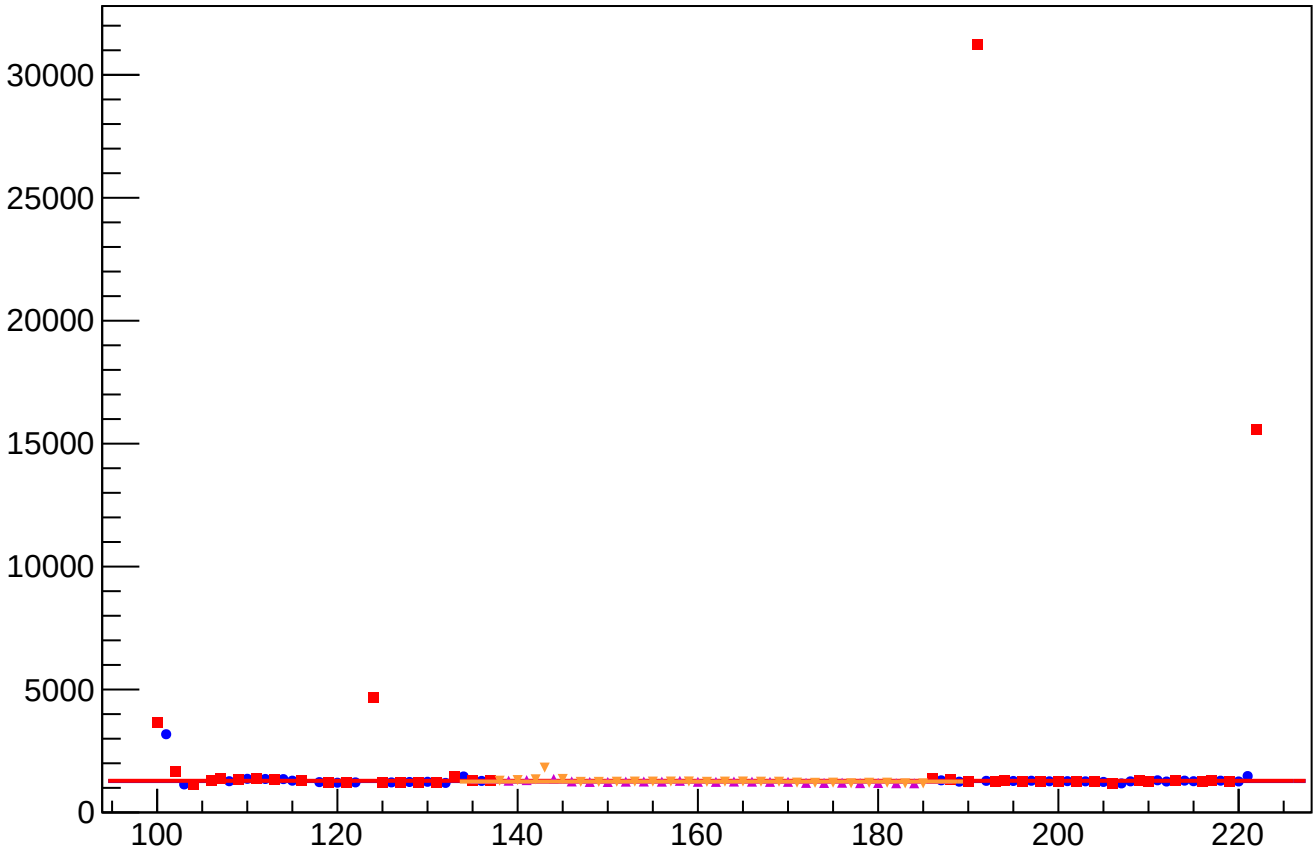
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.327+/-197.248 χ^2/NDF: 52.3/71

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -219.449+/-200.289 χ^2/NDF:63.6/62

All: -284.519+/-141.807 χ^2/NDF: 116.1/119



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: 1287.399+/-0.198 χ^2/NDF: 1981382.4/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

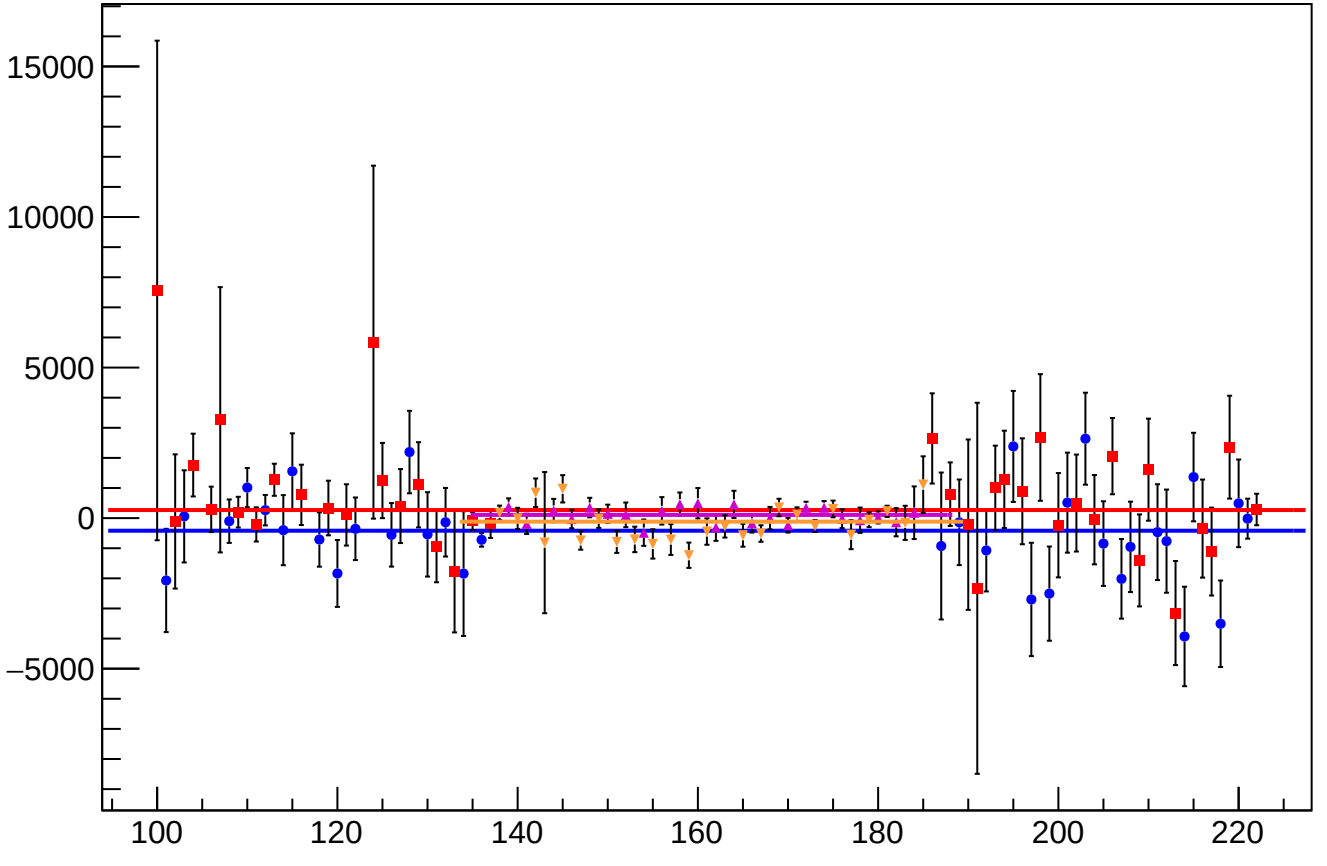
Right: 1281.961+/-0.139 χ^2/NDF: 2533668.5/71

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1271.755+/-0.142 χ^2/NDF:2197173.5/62

All: 1267.011+/-0.100 χ^2/NDF: 2801438.2/11

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 268.526+/-148.176 χ^2/NDF: 29.7/37

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

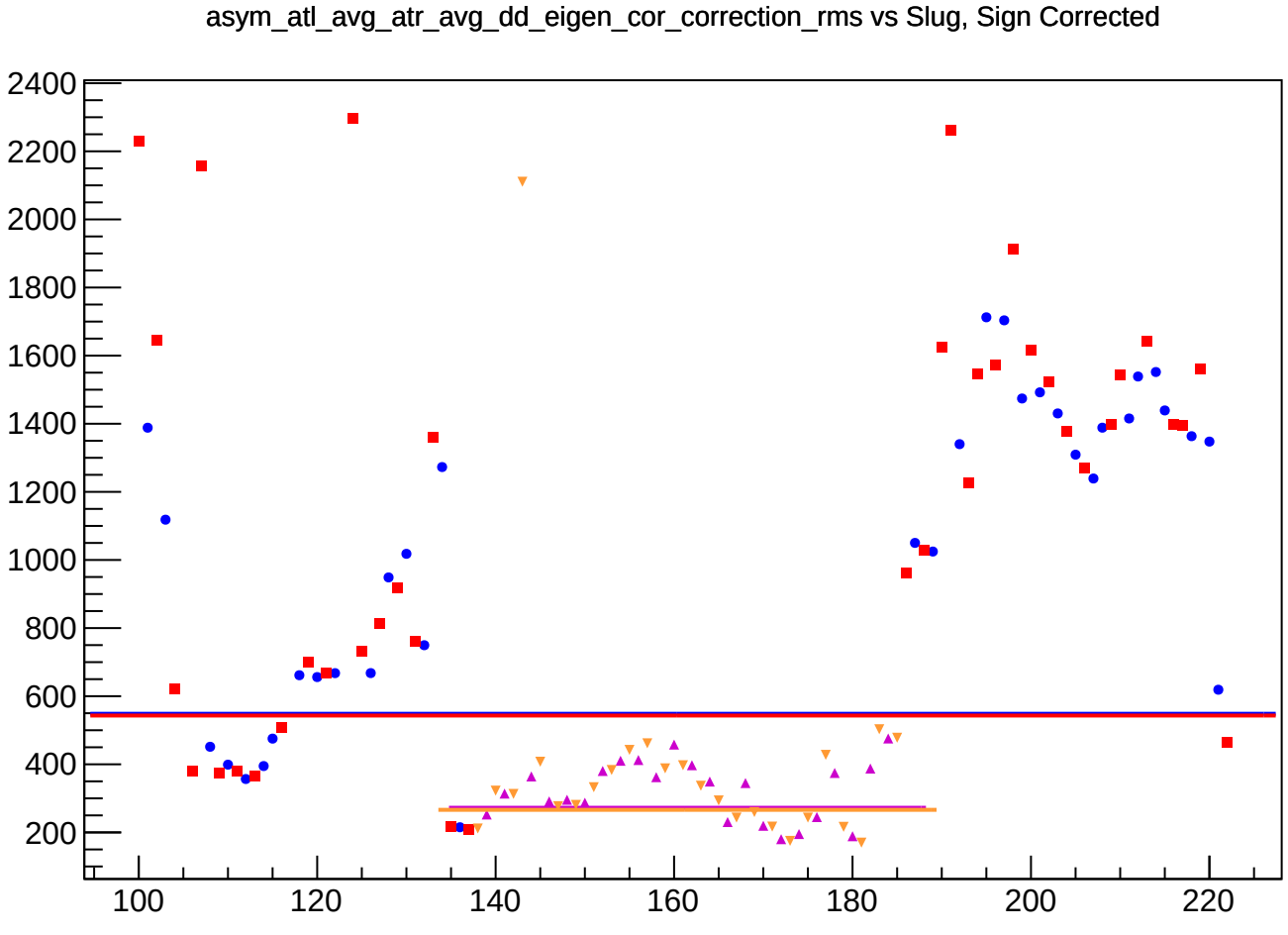
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

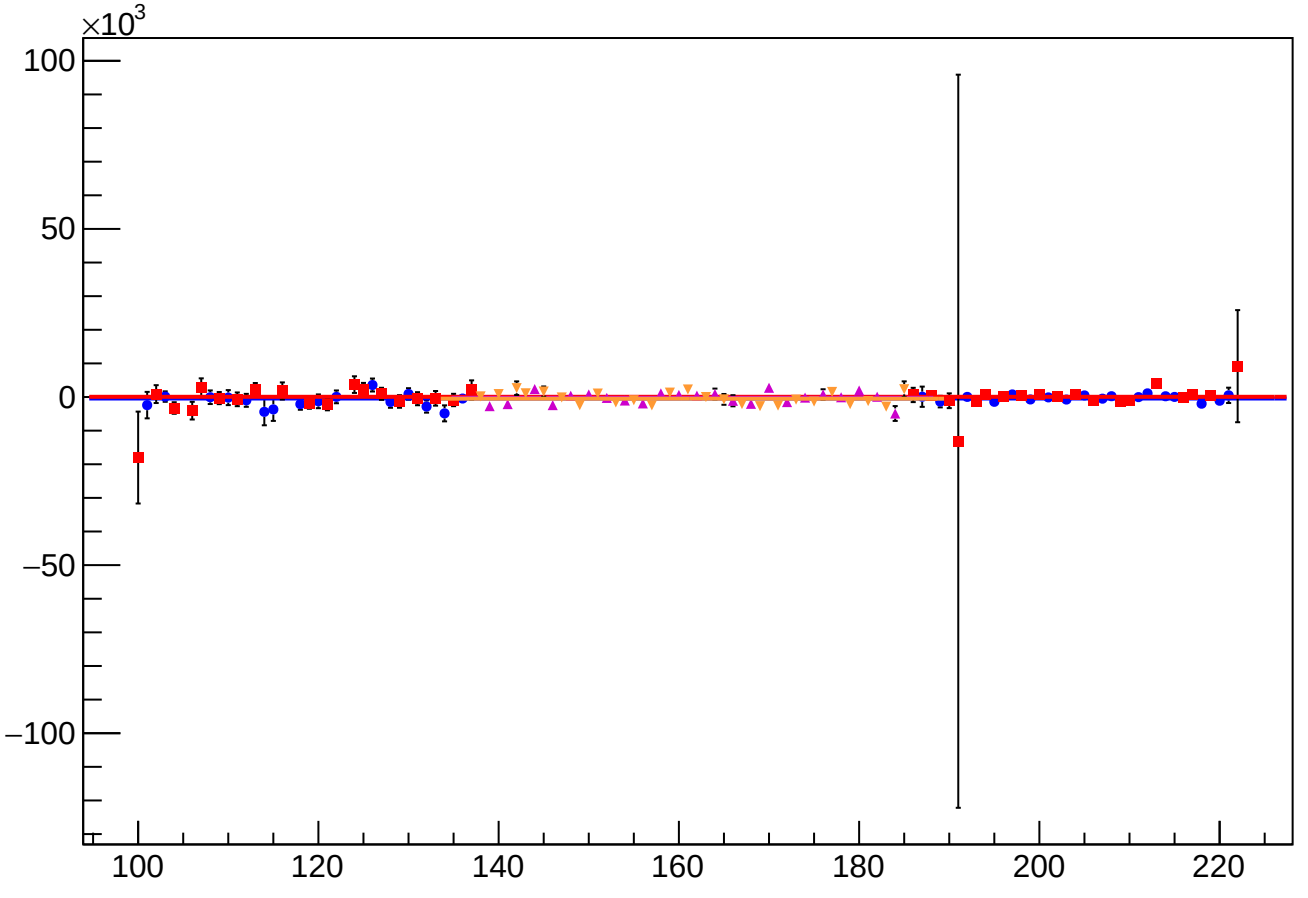
Right: -71.244+/-105.311 χ^2/NDF: 81.6/71

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -54.690+/-59.571 χ^2/NDF:83.8/62

All: -18.444+/-42.673 χ^2/NDF: 149.9/119


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 548.342+/-0.106 χ²/NDF: 16582614.5/33
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 543.208+/-0.105 χ²/NDF: 16597092.9/37
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
Left: 269.263+/-0.033 χ²/NDF: 7526161.0/47
Right: 545.749+/-0.074 χ²/NDF: 33180895.6/71
In: 318.434+/-0.043 χ²/NDF:25132406.0/56
Out: 311.078+/-0.042 χ²/NDF:27081918.4/62
All: 314.659+/-0.030 χ²/NDF: 52229170.2/11



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: 64.869+/-280.221 χ^2/NDF: 32.5/37

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

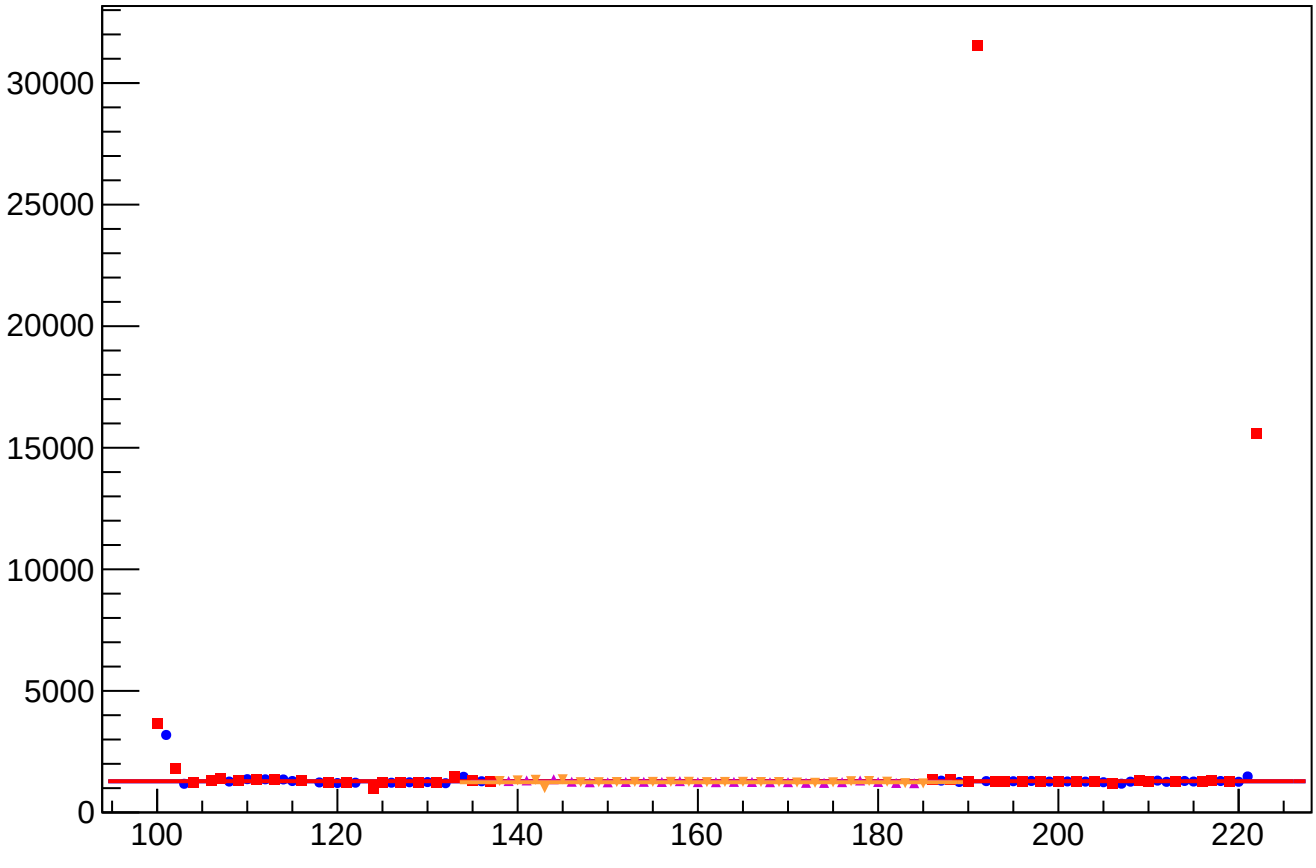
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.571+/-197.351 χ^2/NDF: 54.1/71

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -211.792+/-199.029 χ^2/NDF:68.7/62

All: -278.182+/-141.808 χ^2/NDF: 119.8/119



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: 1285.566+/-0.198 χ^2/NDF: 1862139.3/37

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

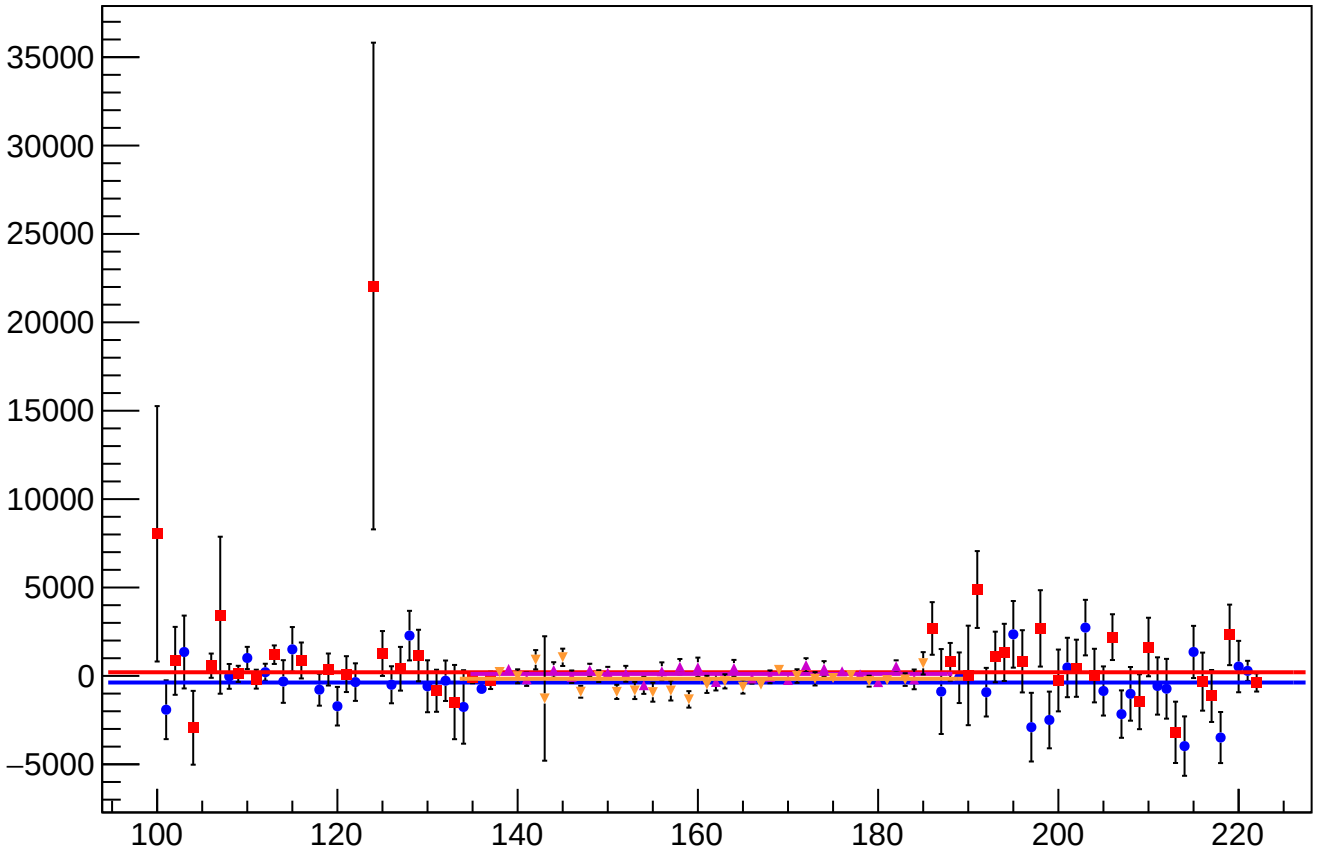
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1282.699+/-0.140 χ^2/NDF: 2405542.4/71

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1264.245+/-0.141 χ^2/NDF:2015528.4/62

All: 1267.349+/-0.100 χ^2/NDF: 2592212.2/11



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: 206.133+/-148.078 χ^2/NDF: 37.8/37

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

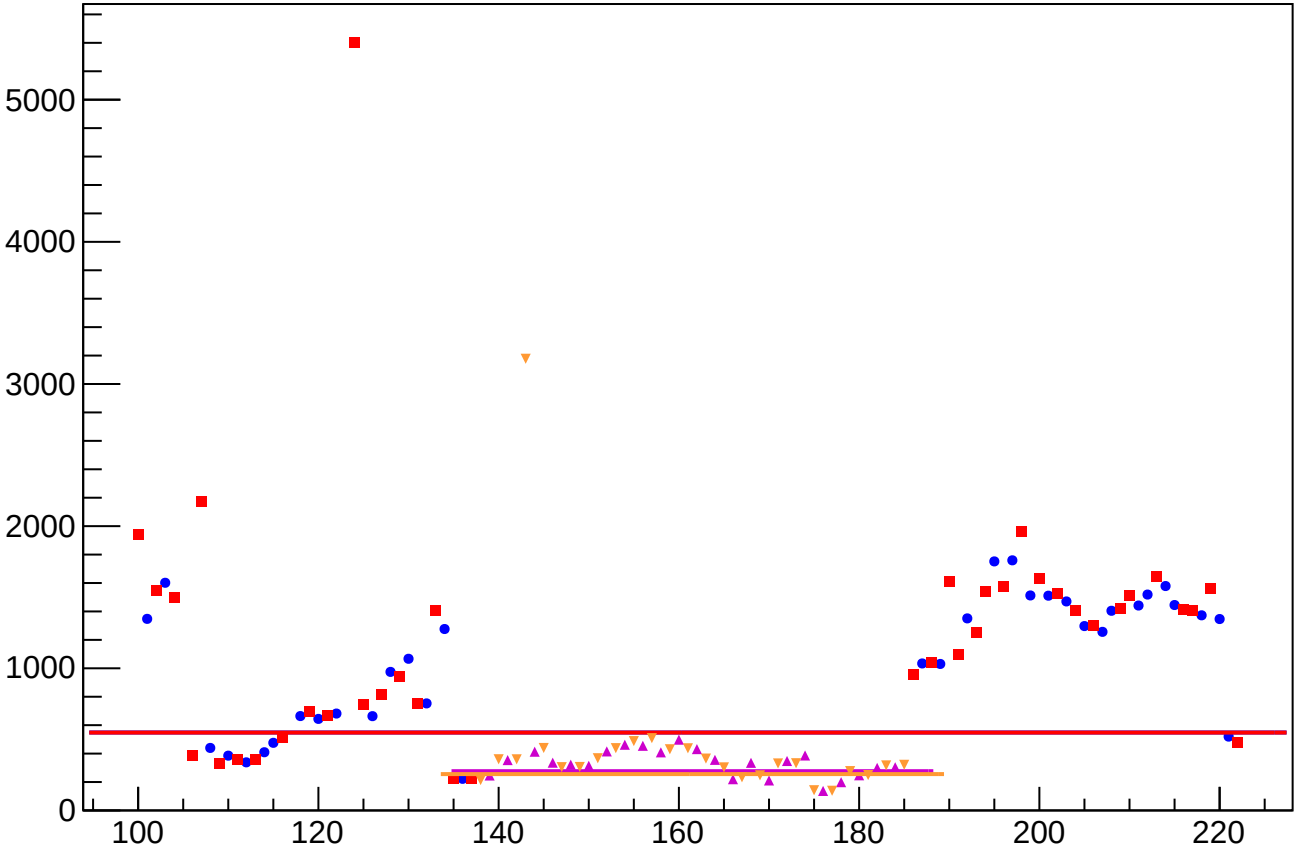
Right: -80.517+/-105.294 χ^2/NDF: 88.2/71

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -102.952+/-58.850 χ^2/NDF:86.8/62

All: -41.137+/-42.861 χ^2/NDF: 158.9/119

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: 547.875+/-0.105 χ^2/NDF: 17094626.8/37

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

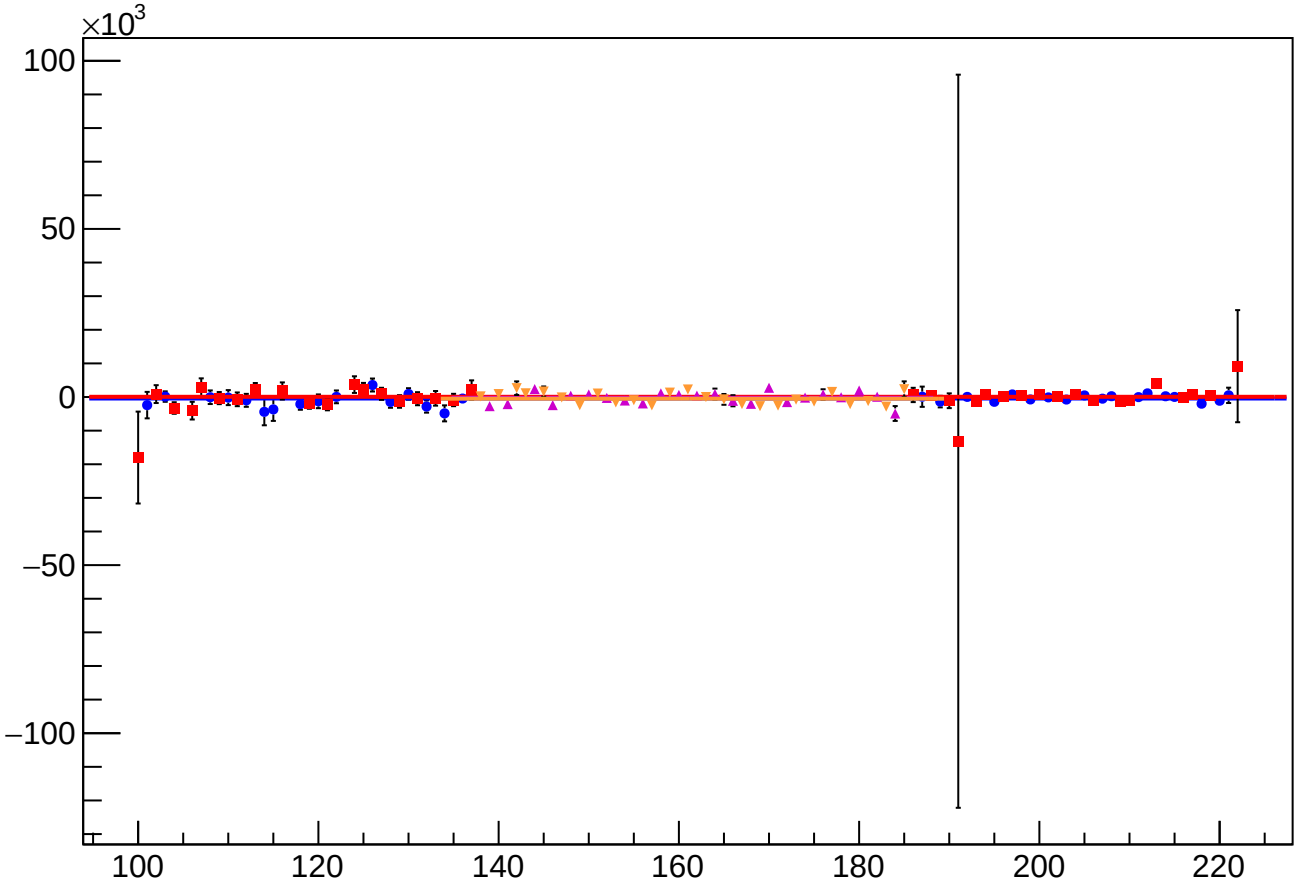
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 548.161+/-0.074 χ^2/NDF: 33784408.3/71

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 301.906+/-0.042 χ^2/NDF:30022046.0/62

All: 312.176+/-0.030 χ^2/NDF: 56322221.8/11



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: 64.868+/-280.221 χ^2/NDF: 32.5/37

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

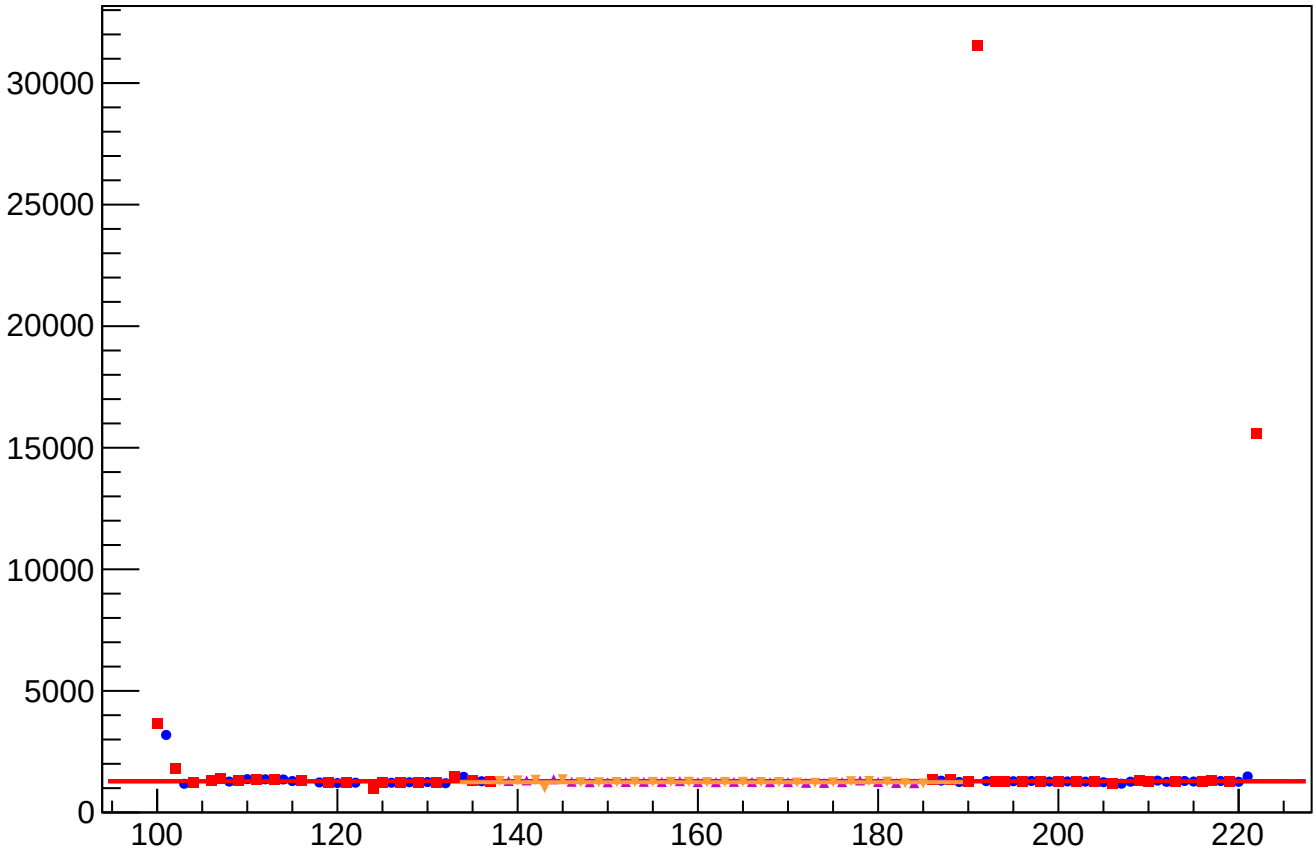
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.570+/-197.351 χ^2/NDF: 54.1/71

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -211.792+/-199.029 χ^2/NDF:68.7/62

All: -278.181+/-141.808 χ^2/NDF: 119.8/119



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: 1285.566+/-0.198 χ^2/NDF: 1862139.6/37

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

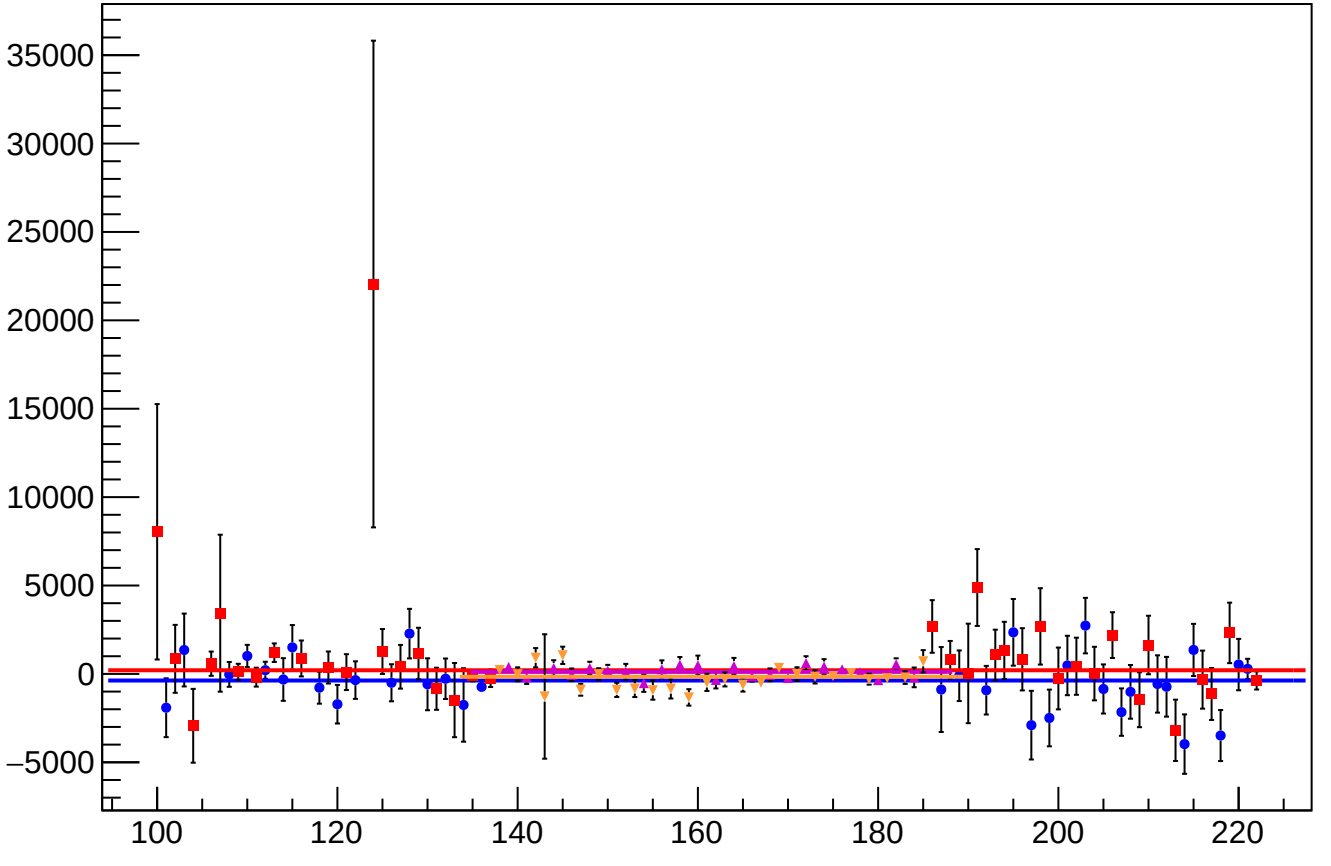
Right: 1282.699+/-0.140 χ^2/NDF: 2405542.7/71

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1264.245+/-0.141 χ^2/NDF:2015527.8/62

All: 1267.349+/-0.100 χ^2/NDF: 2592211.7/11

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: 206.139+/-148.080 χ^2/NDF: 37.8/37

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

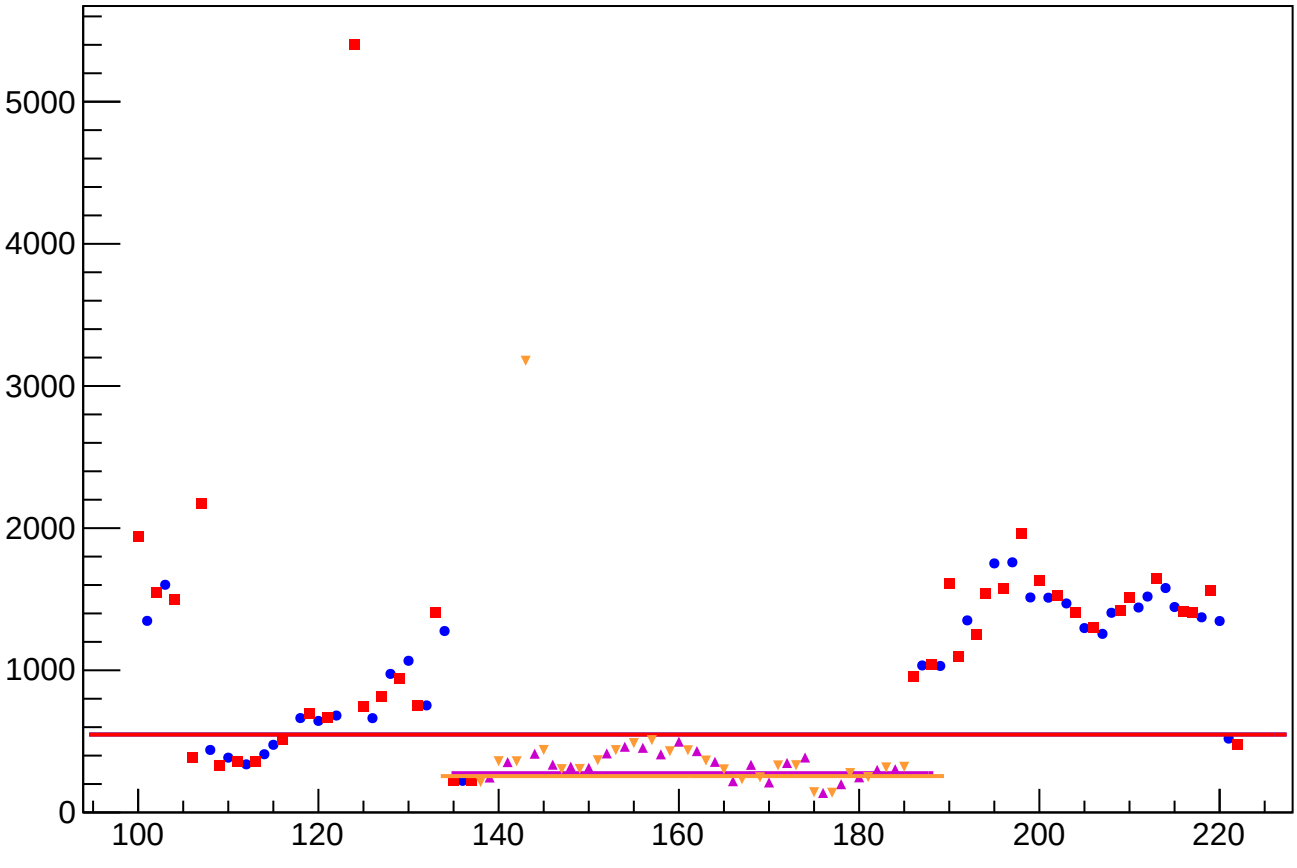
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -80.514+/-105.295 χ^2/NDF: 88.2/71

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -102.955+/-58.851 χ^2/NDF:86.8/62

All: -41.138+/-42.861 χ^2/NDF: 158.9/119



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: 547.885+/-0.105 χ^2/NDF: 17094271.9/37

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

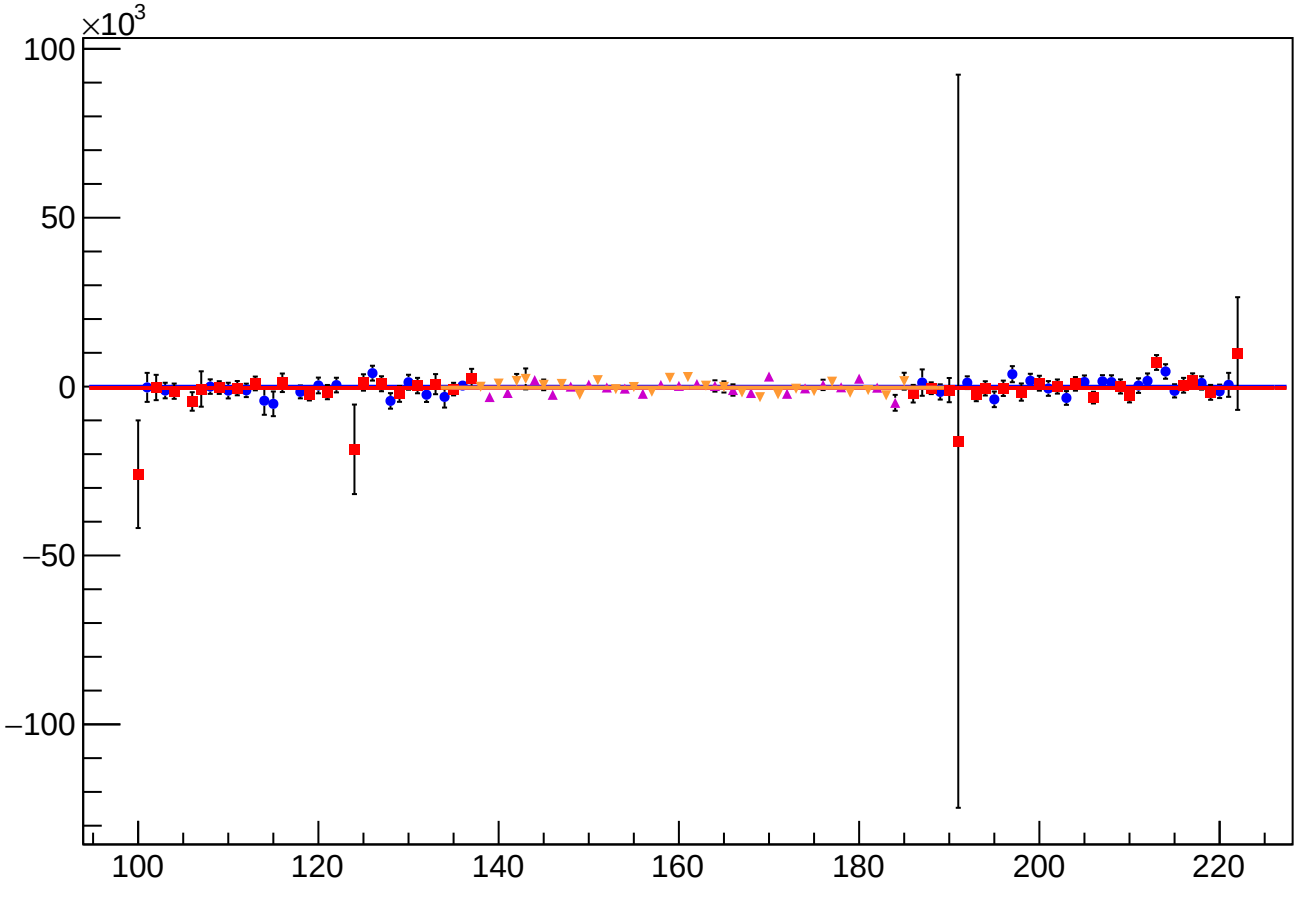
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 548.172+/-0.074 χ^2/NDF: 33783560.5/71

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 301.908+/-0.042 χ^2/NDF:30021834.0/62

All: 312.178+/-0.030 χ^2/NDF: 56321828.0/1



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: -411.180+/-383.360 χ^2/NDF: 31.4/37

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

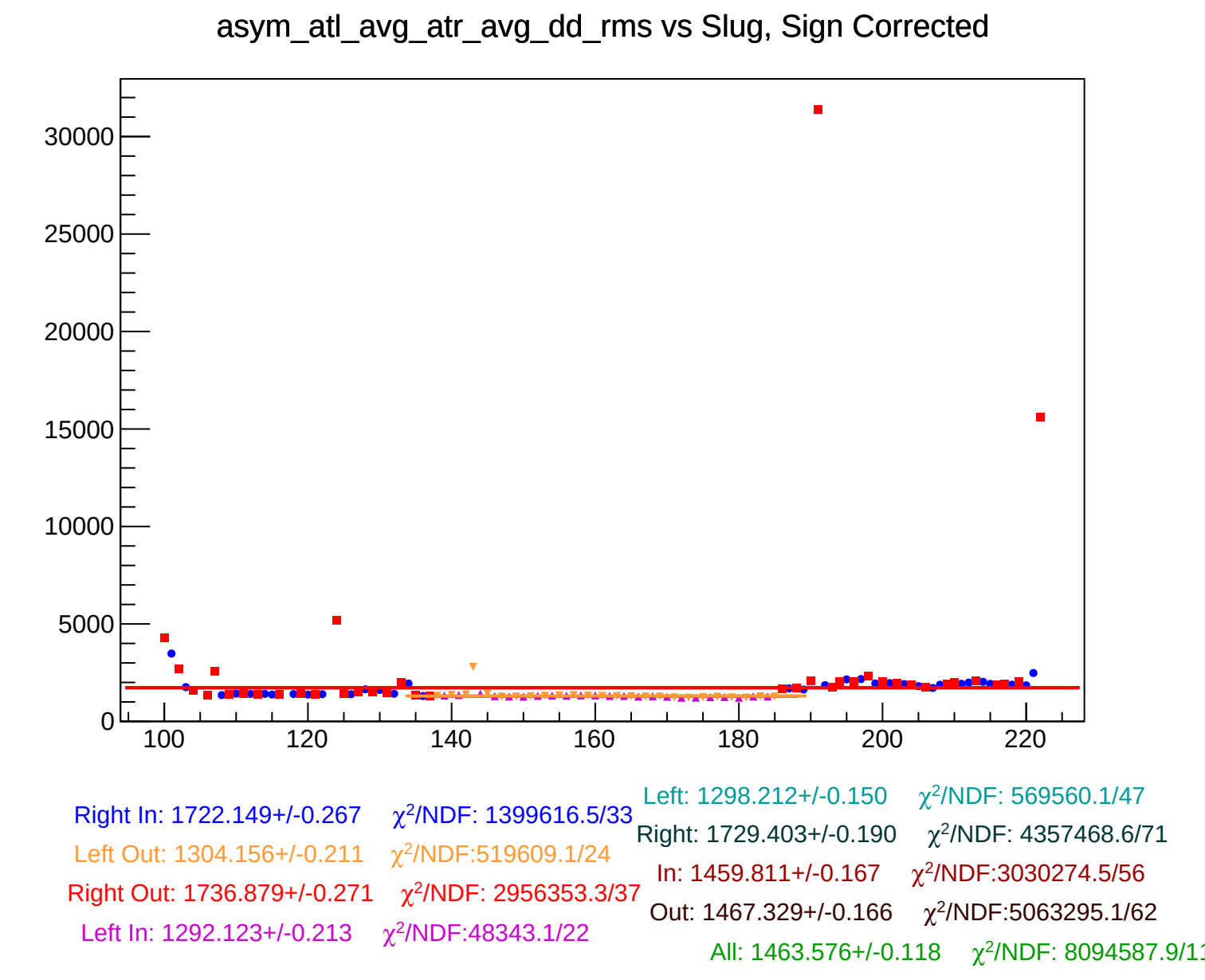
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

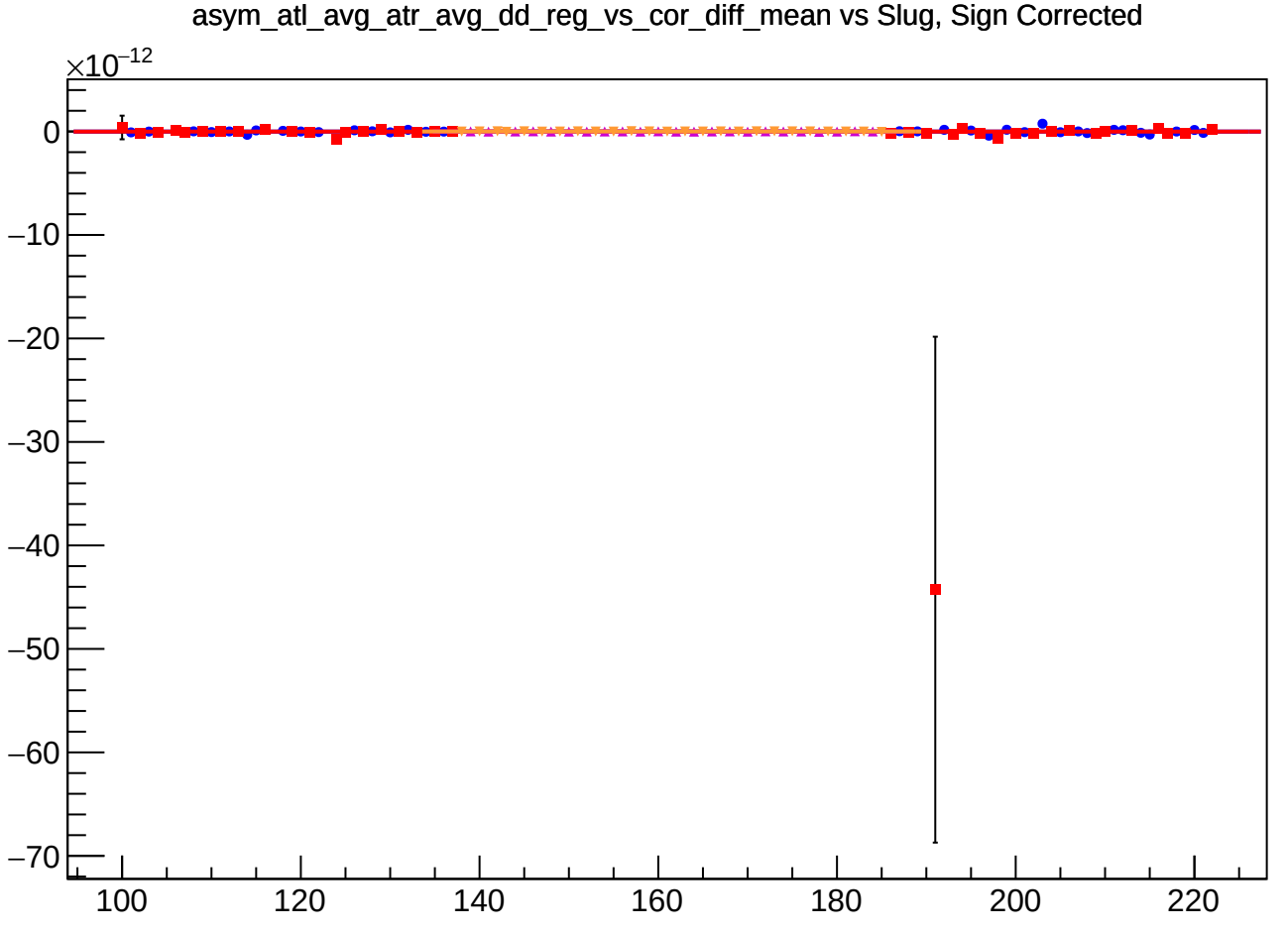
Right: -226.813+/-269.021 χ^2/NDF: 62.9/71

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -354.223+/-235.410 χ^2/NDF:63.0/62

All: -295.263+/-166.599 χ^2/NDF: 124.3/119


asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
220
Right In: 1722.149+/-0.267 χ²/NDF: 1399616.5/33
Left Out: 1304.156+/-0.211 χ²/NDF:519609.1/24
Right Out: 1736.879+/-0.271 χ²/NDF: 2956353.3/37
Left In: 1292.123+/-0.213 χ²/NDF:48343.1/22
Left: 1298.212+/-0.150 χ²/NDF: 569560.1/47
Right: 1729.403+/-0.190 χ²/NDF: 4357468.6/71
In: 1459.811+/-0.167 χ²/NDF:3030274.5/56
Out: 1467.329+/-0.166 χ²/NDF:5063295.1/62
All: 1463.576+/-0.118 χ²/NDF: 8094587.9/11



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: 49.2/37

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

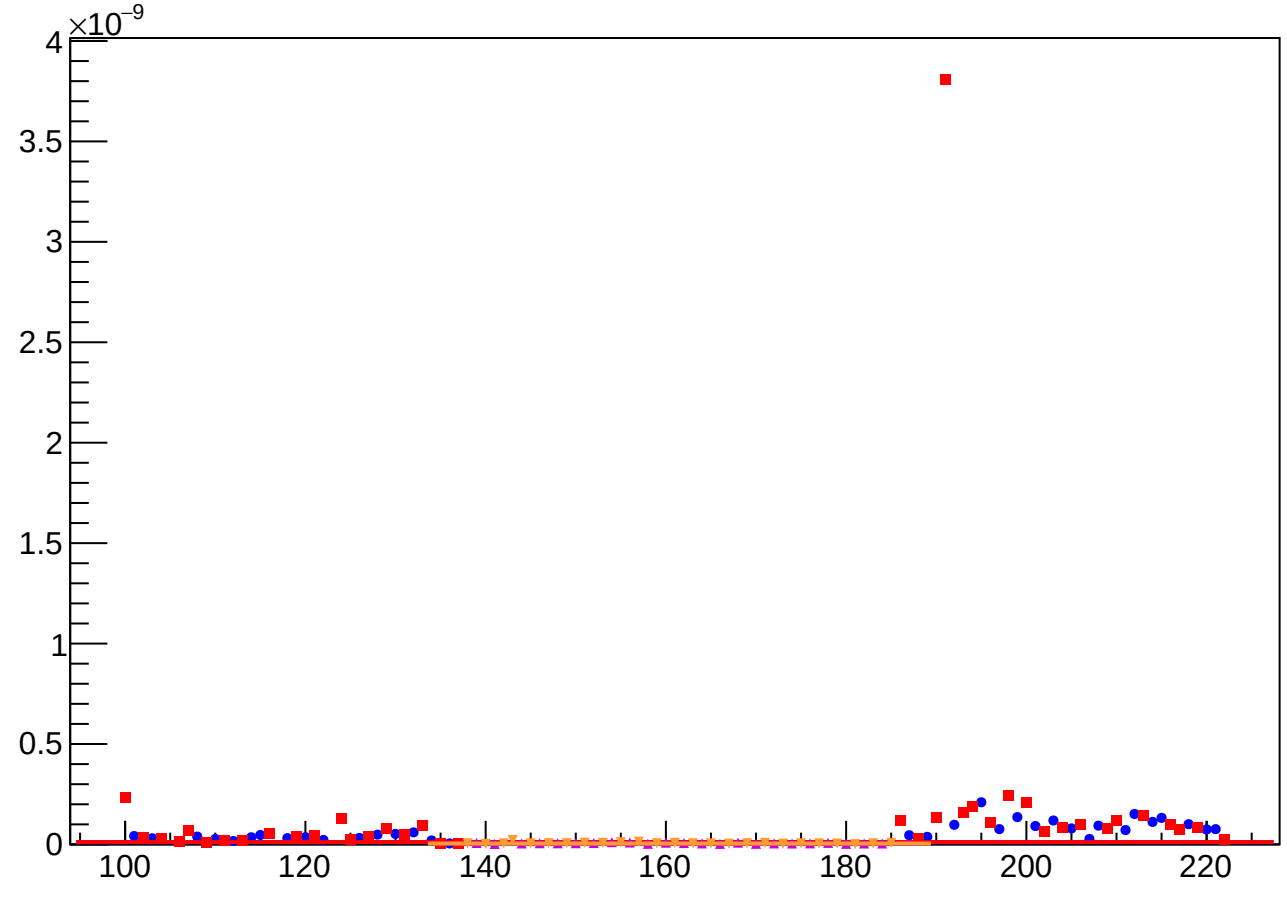
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 85.4/71

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.9/62

All: -0.000+/-0.000 χ^2/NDF: 144.0/119



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: 12653375.0/37

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

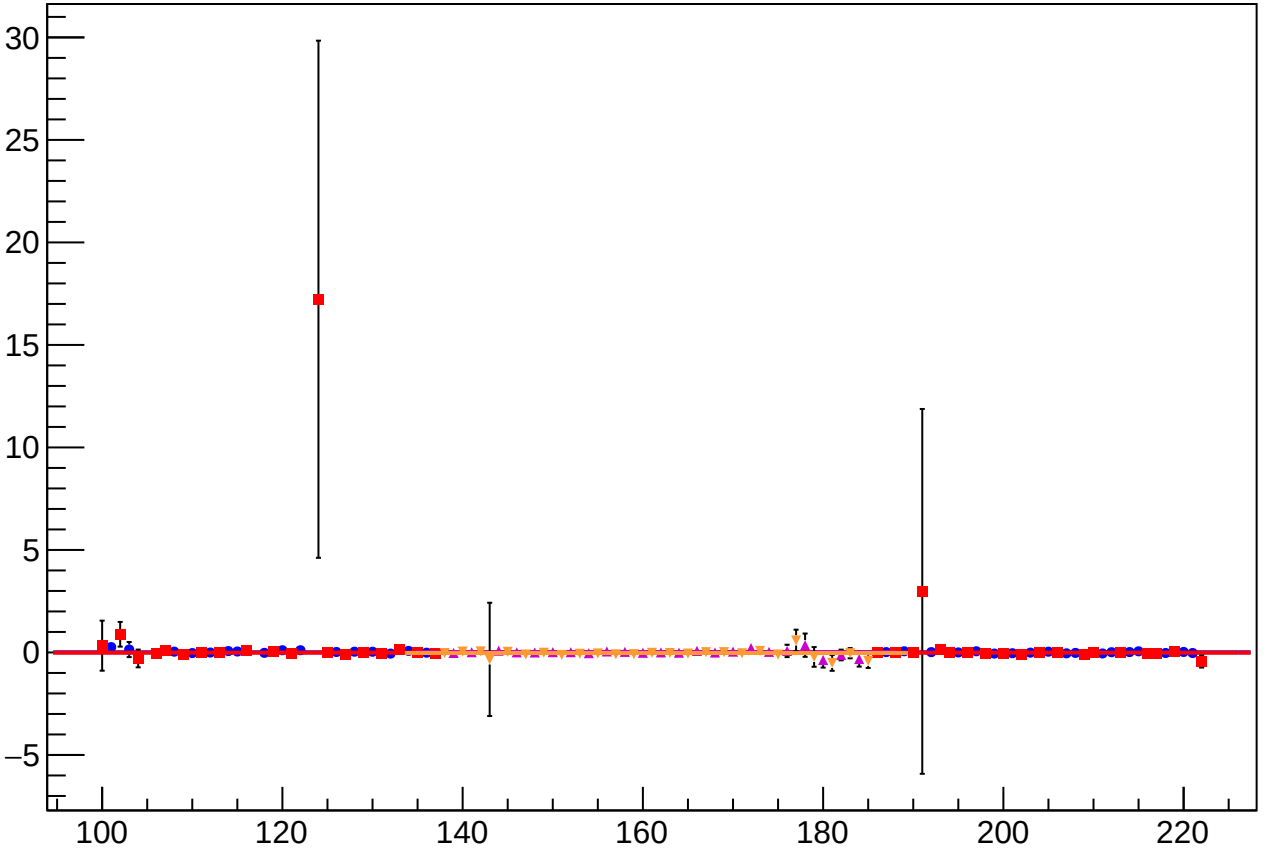
Right: 0.000+/-0.000 χ^2/NDF: 24256918.0/71

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:16965527.7/62

All: 0.000+/-0.000 χ^2/NDF: 31892797.8/119

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

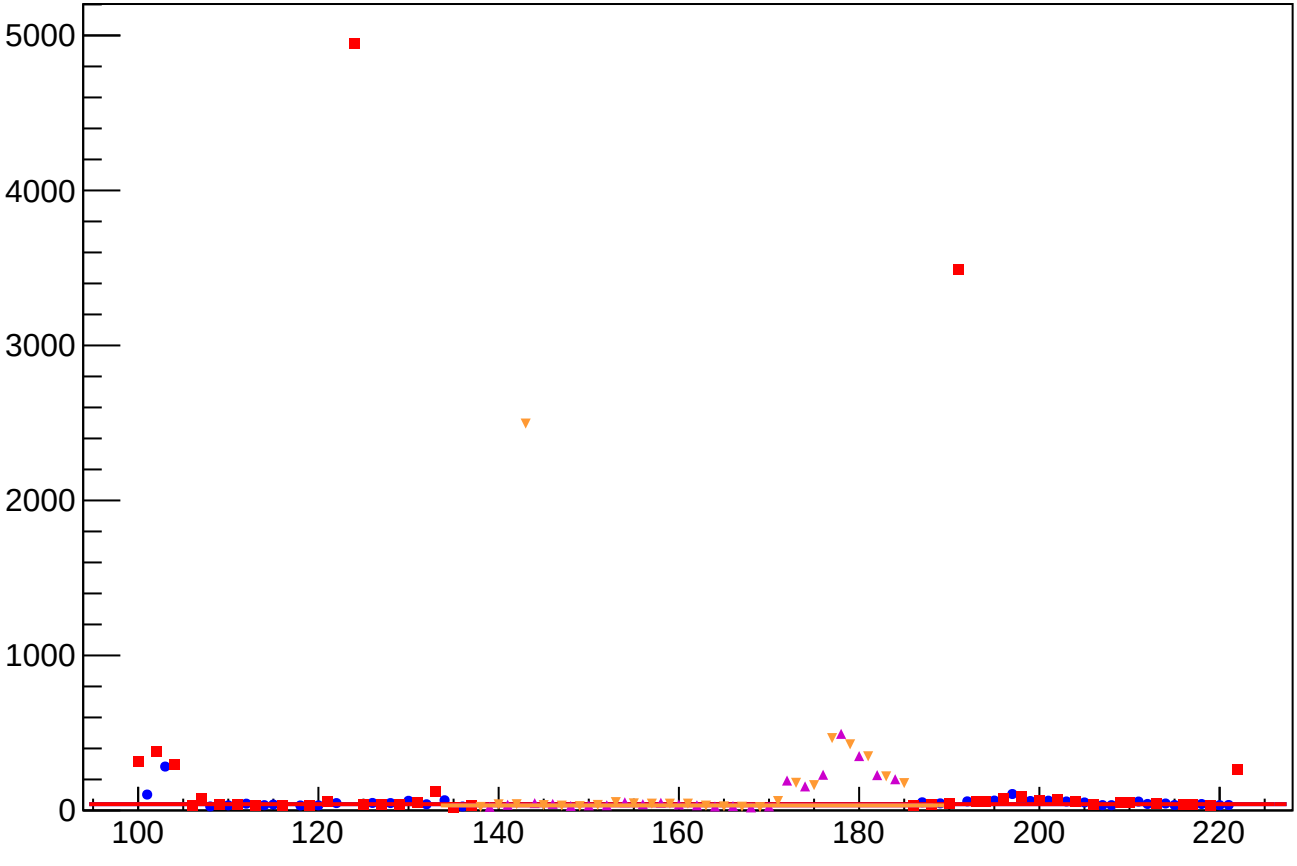
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734846.0/37

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

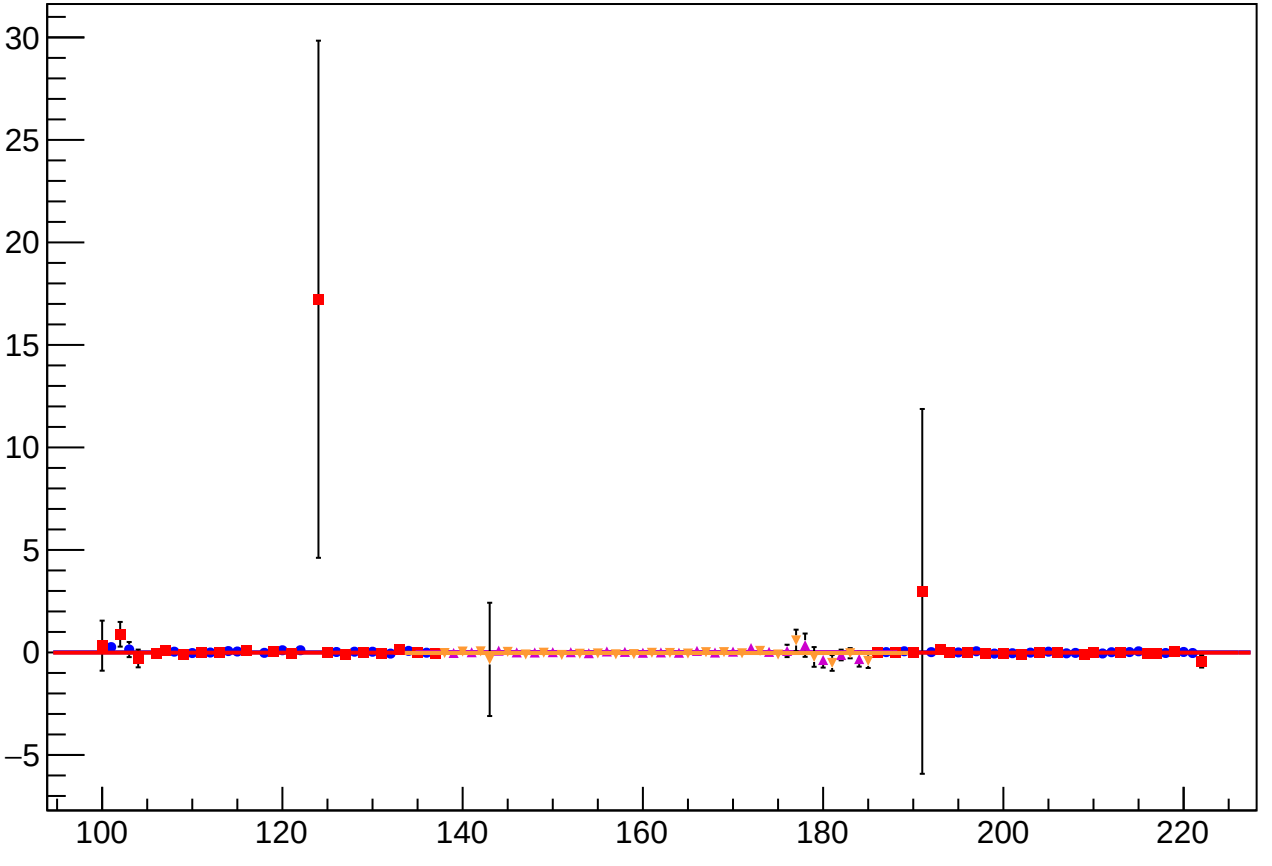
Right: 40.621+/-0.005 χ^2/NDF: 11129690.0/71

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.386+/-0.005 χ^2/NDF:18293000.7/62

All: 36.451+/-0.003 χ^2/NDF: 32308638.0/119

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

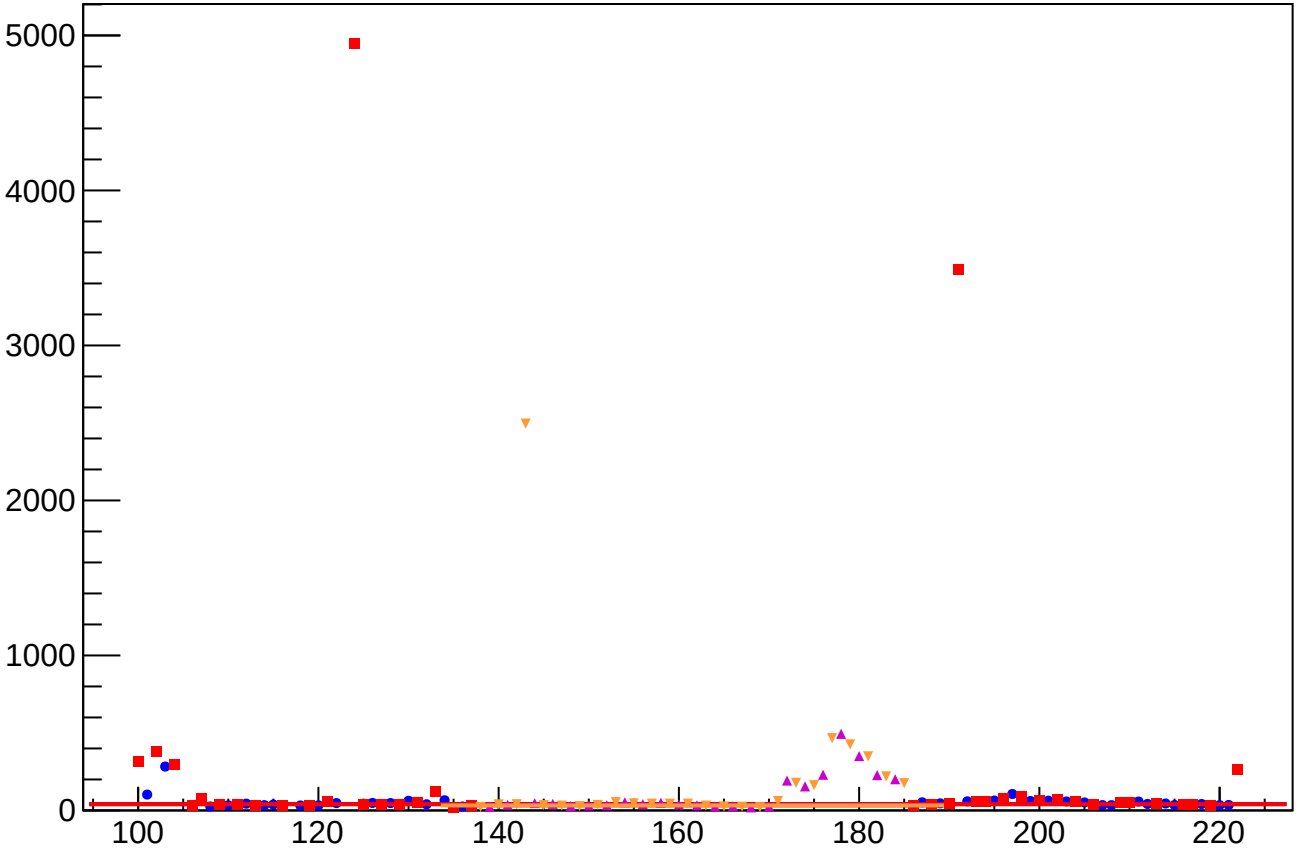
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734846.0/37

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

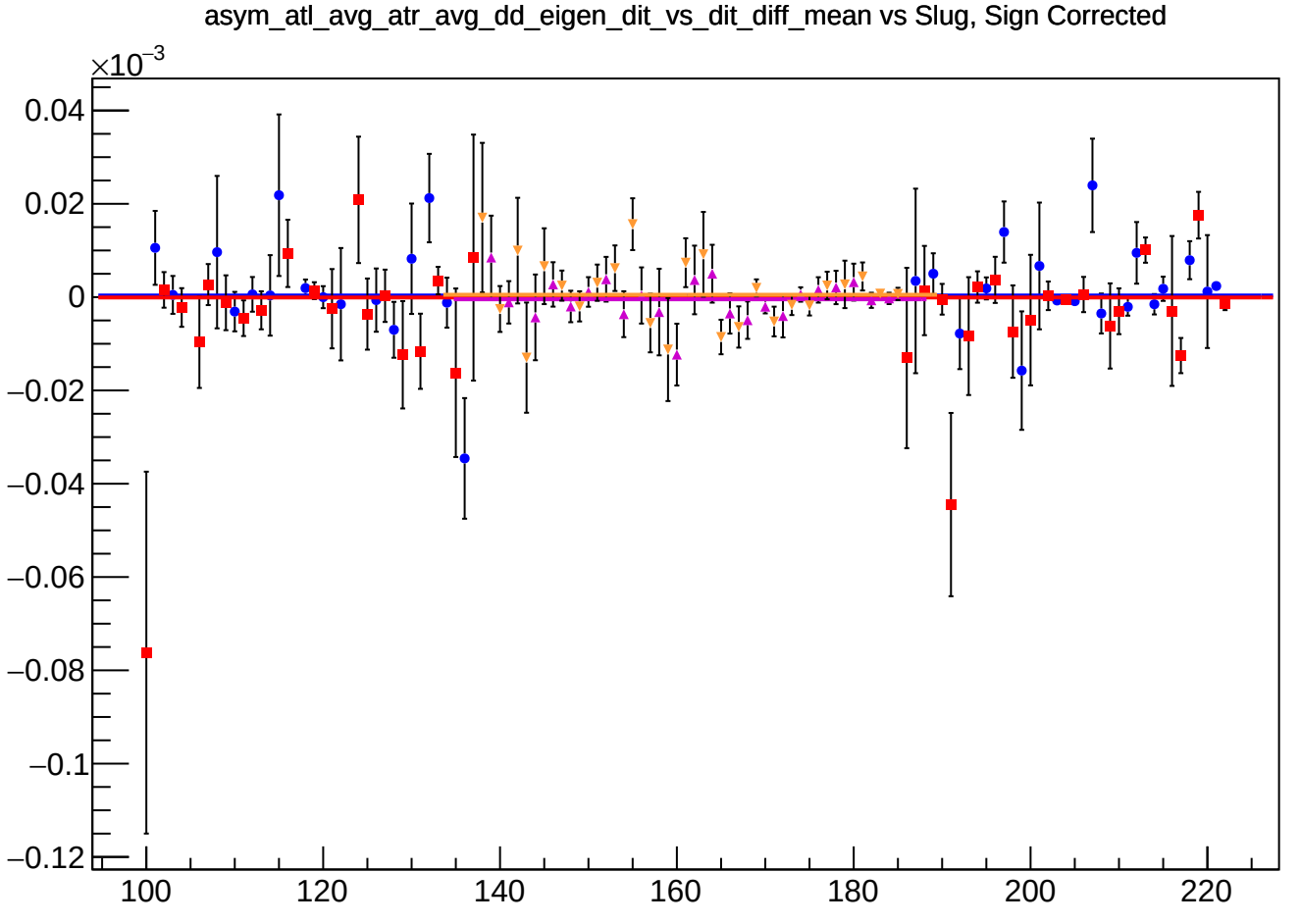
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.621+/-0.005 χ^2/NDF: 11129690.0/71

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.386+/-0.005 χ^2/NDF:18293000.7/62

All: 36.451+/-0.003 χ^2/NDF: 32308638.0/119



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: 65.3/37

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

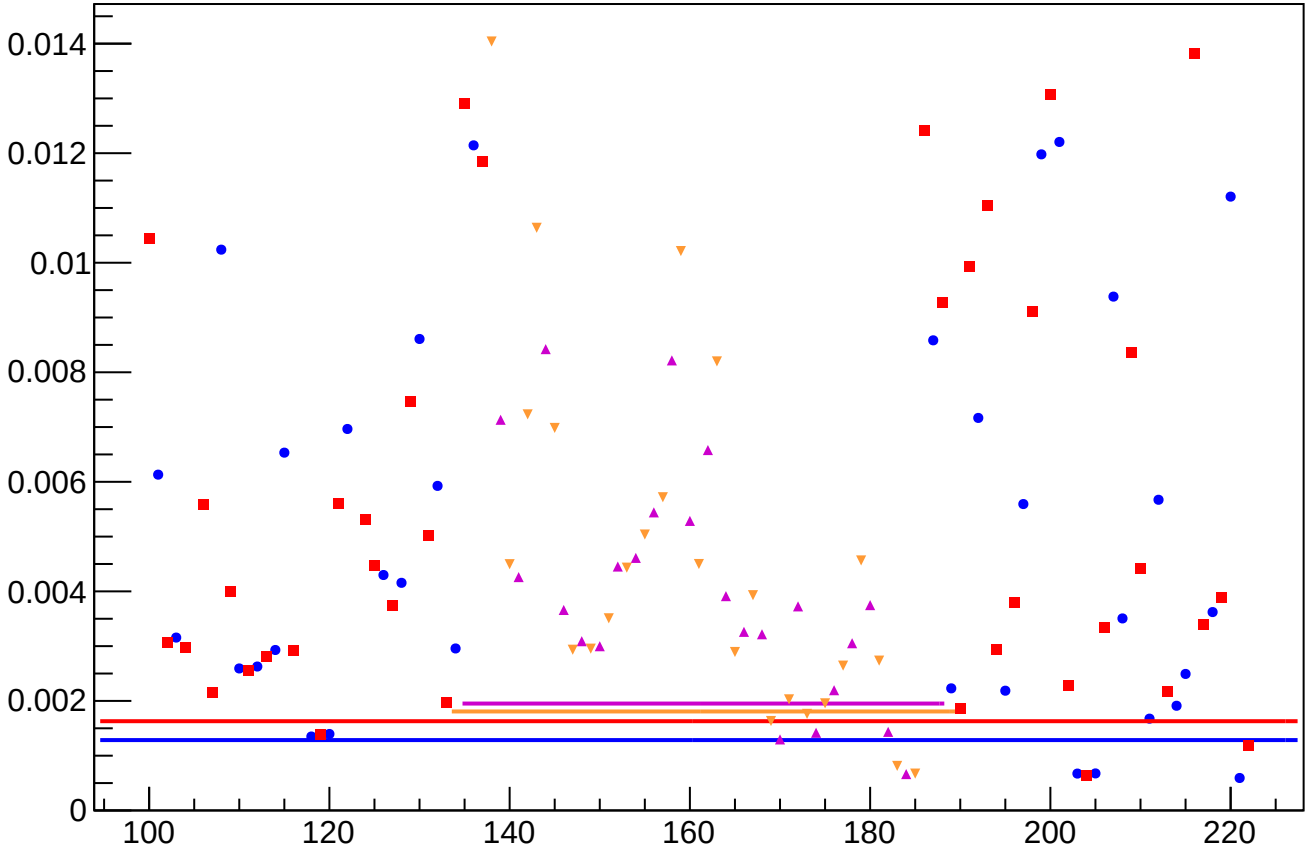
Right: 0.000+/-0.000 χ^2/NDF: 116.2/71

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:101.7/62

All: 0.000+/-0.000 χ^2/NDF: 167.1/119

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: 19475898.6/37

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

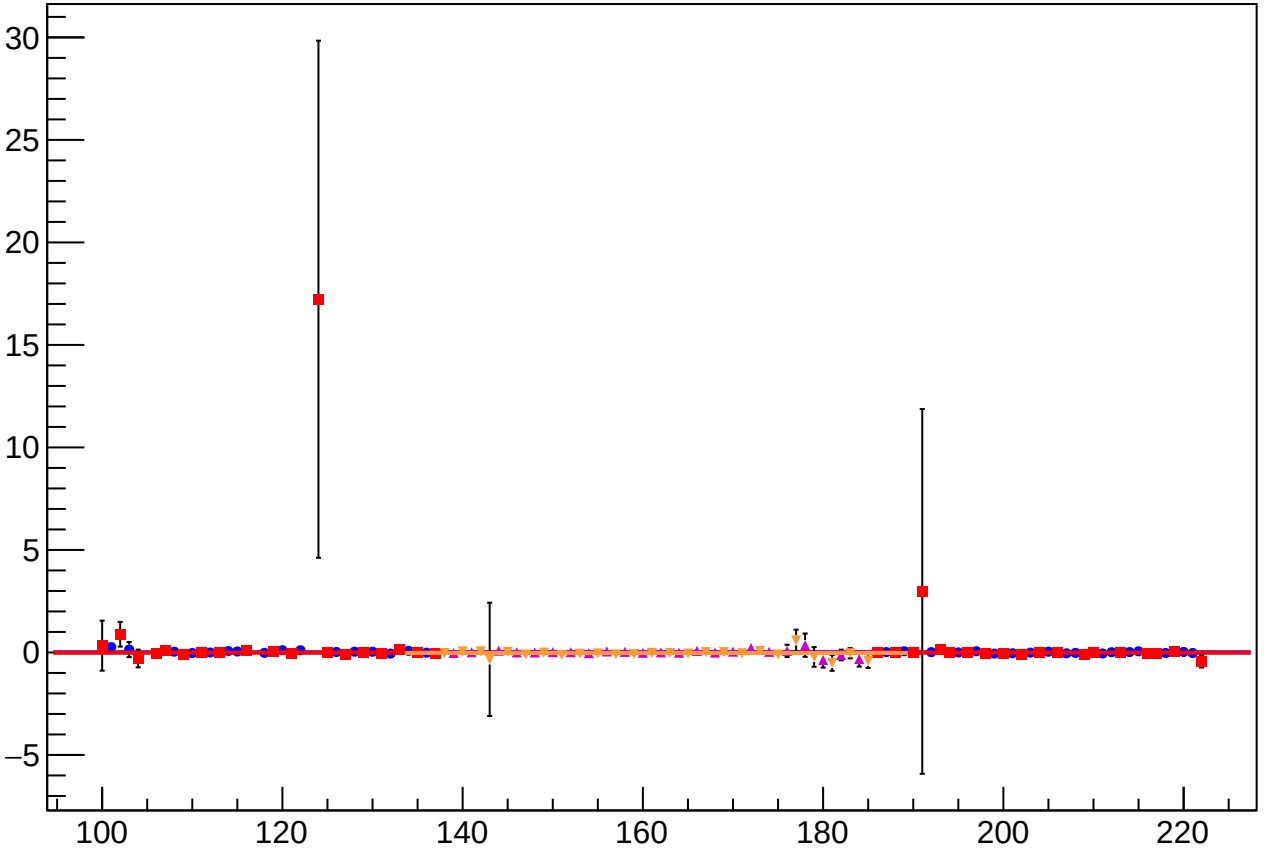
Right: 0.001+/-0.000 χ^2/NDF: 40526095.1/71

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.002+/-0.000 χ^2/NDF:34532055.8/62

All: 0.002+/-0.000 χ^2/NDF: 68520825.6/119

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

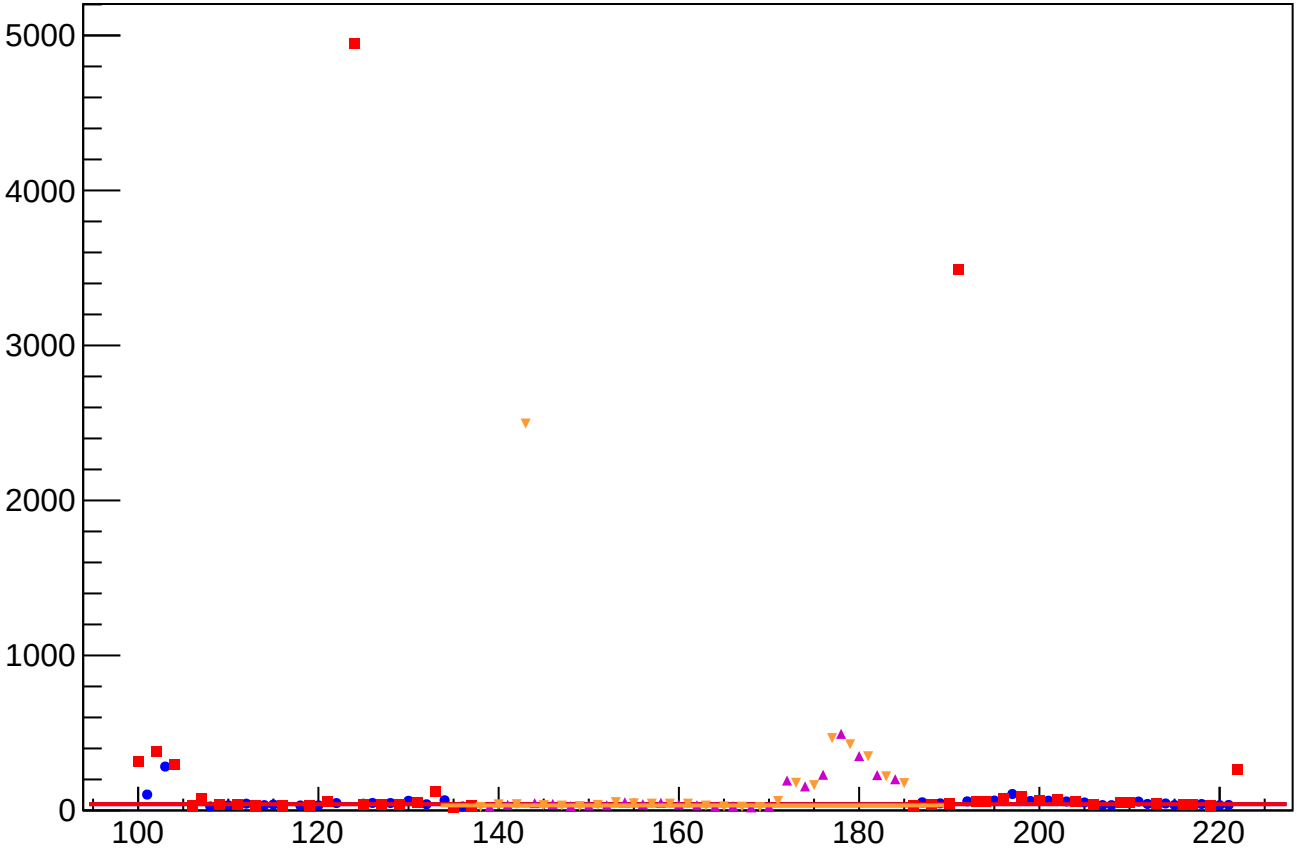
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734610.0/37

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

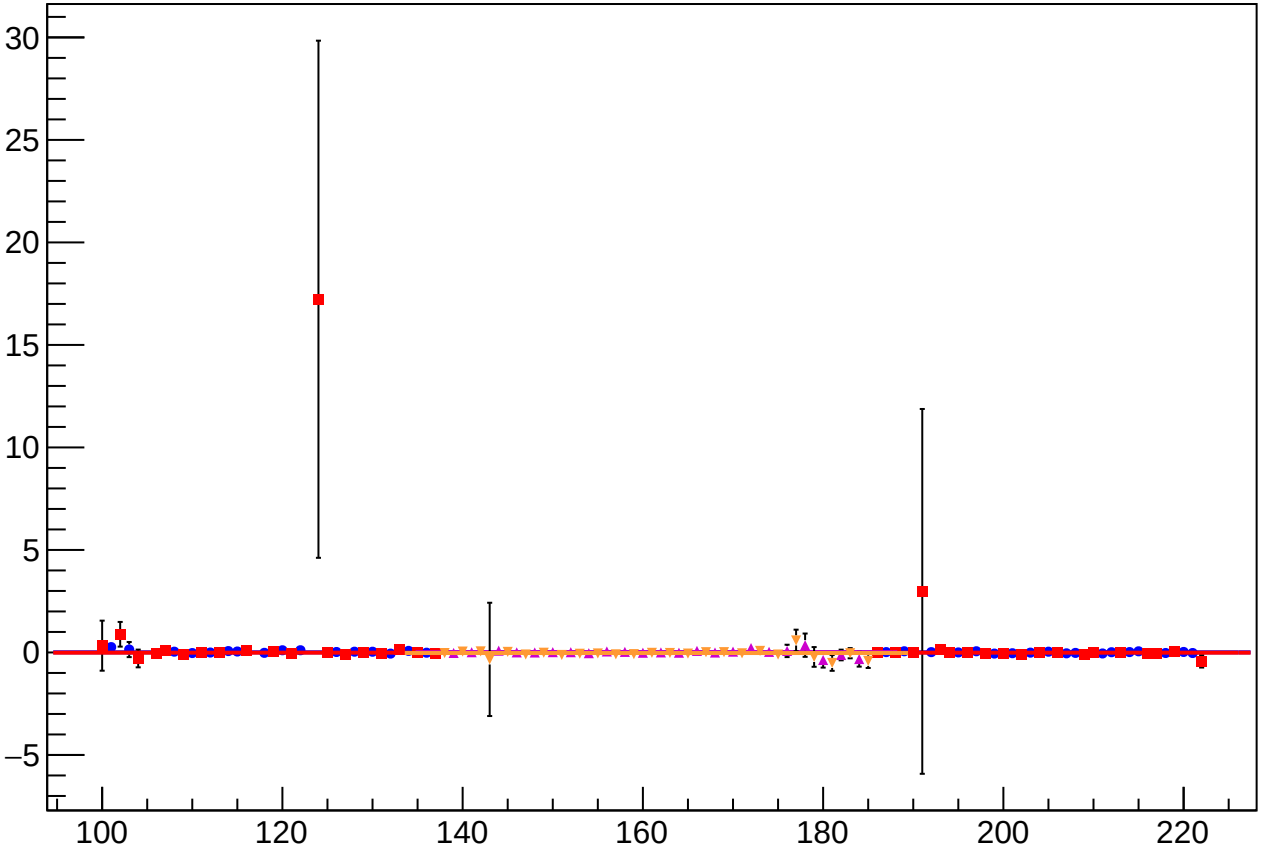
Right: 40.622+/-0.005 χ^2/NDF: 11129060.6/71

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.386+/-0.005 χ^2/NDF:18293070.1/62

All: 36.451+/-0.003 χ^2/NDF: 32309224.9/119

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

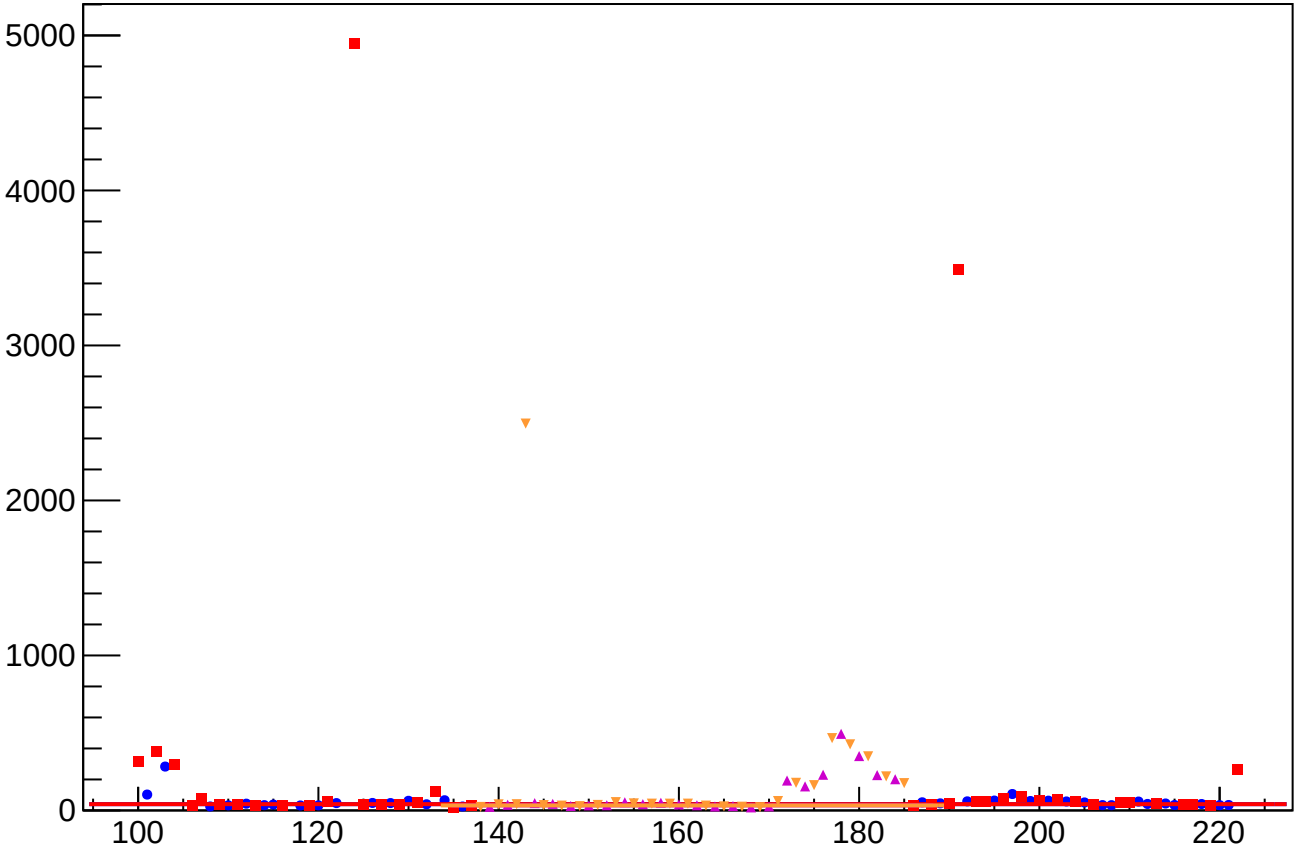
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734610.0/37

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

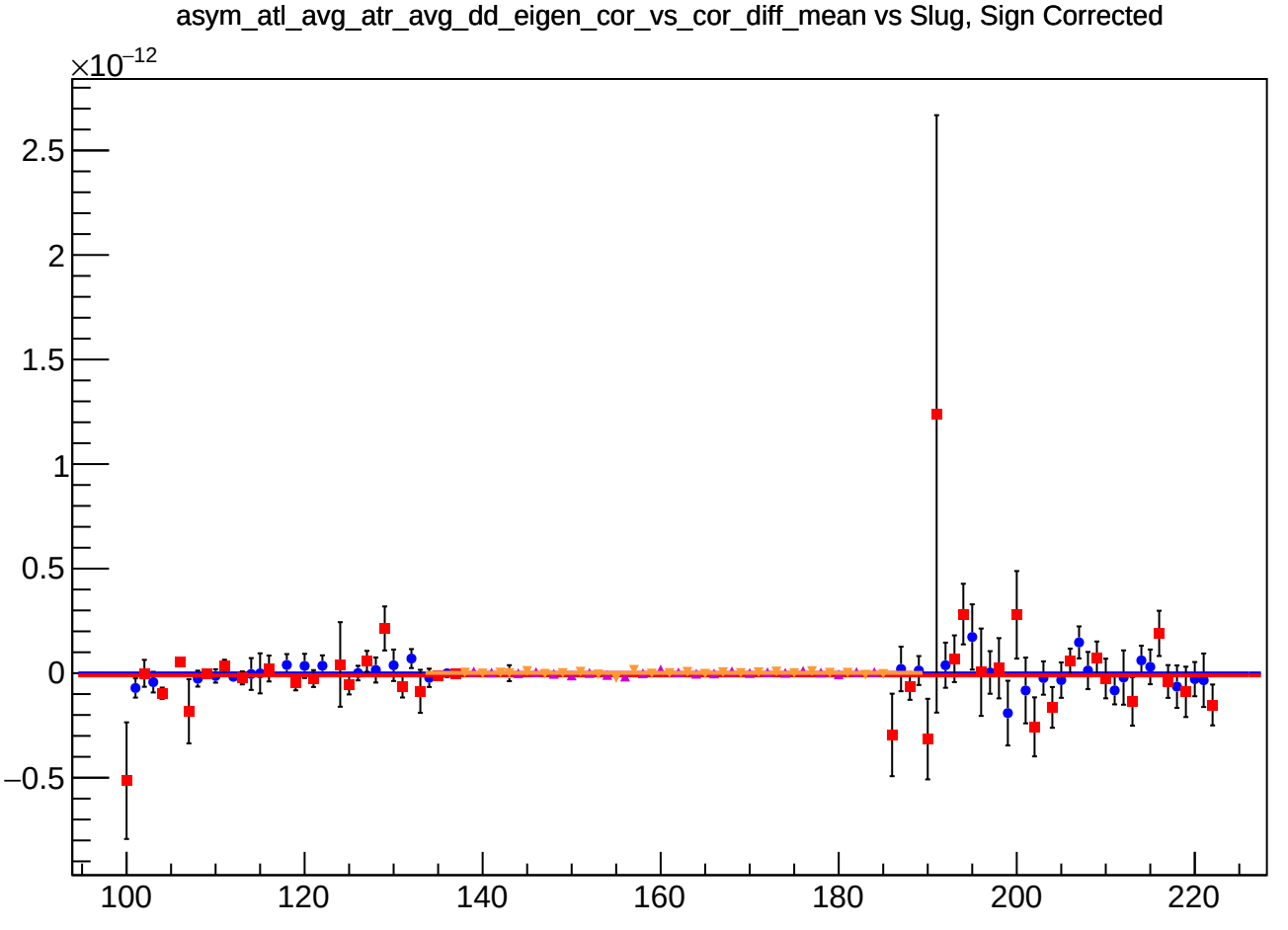
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.622+/-0.005 χ^2/NDF: 11129060.6/71

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.386+/-0.005 χ^2/NDF:18293070.1/62

All: 36.451+/-0.003 χ^2/NDF: 32309224.9/119



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: 67.6/37

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

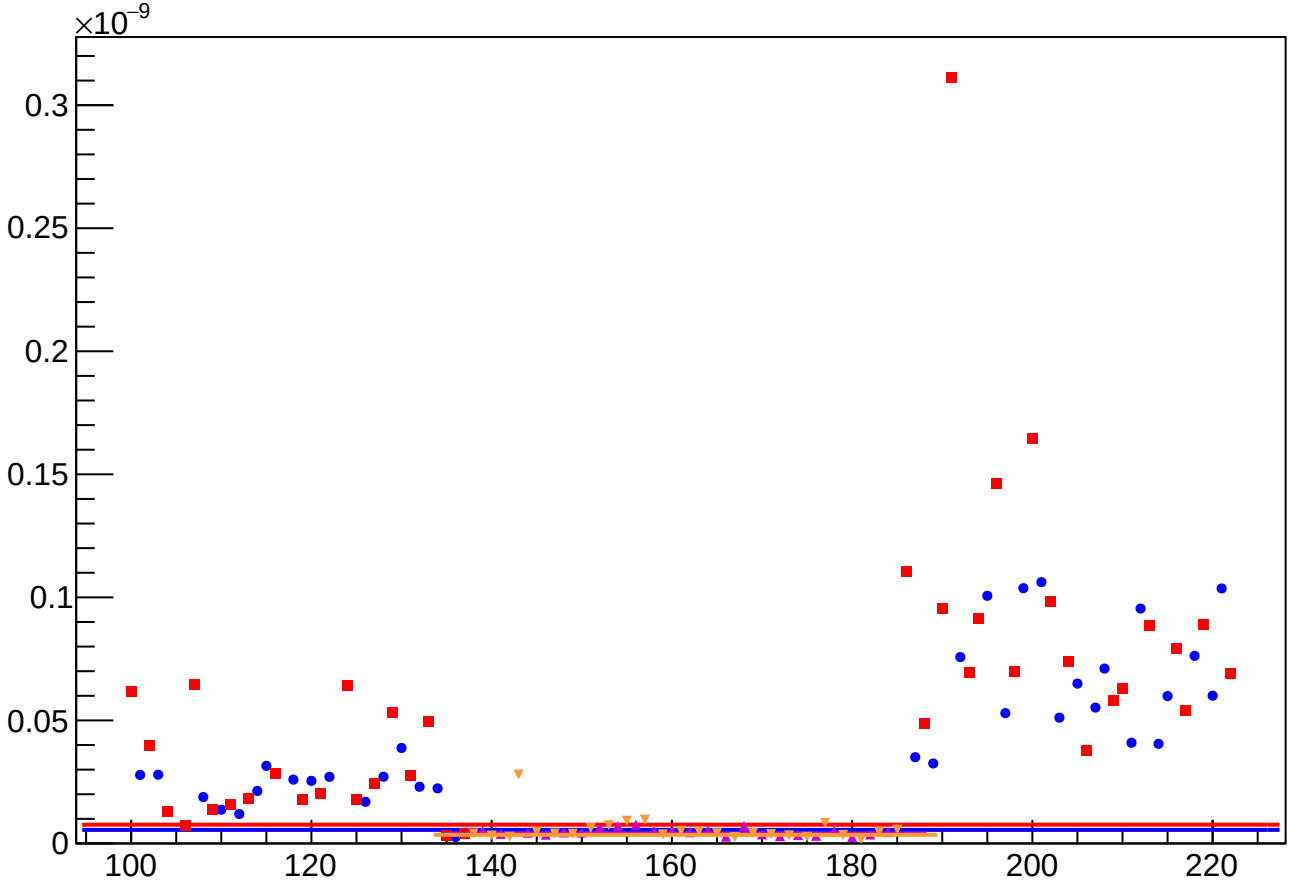
Right: -0.000+/-0.000 χ^2/NDF: 89.5/71

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:93.7/62

All: 0.000+/-0.000 χ^2/NDF: 141.7/119

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18940700.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18708412.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

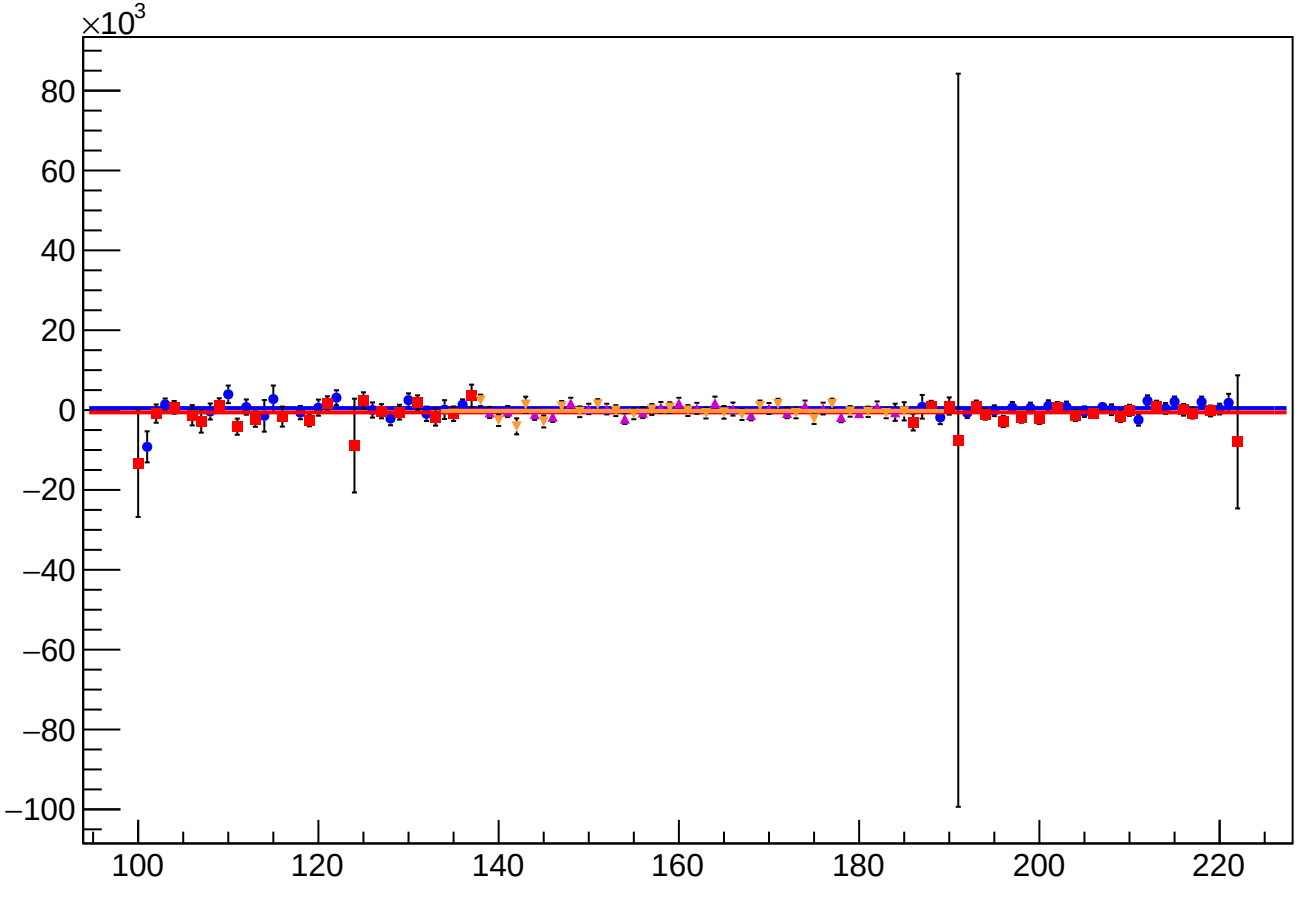
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 37961073.4/71

In: 0.000+/-0.000 χ^2/NDF:21388607.1/56

Out: 0.000+/-0.000 χ^2/NDF:25283570.6/62

All: 0.000+/-0.000 χ^2/NDF: 46805235.9/119



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: -578.785+/-277.572 χ^2/NDF: 30.0/37

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

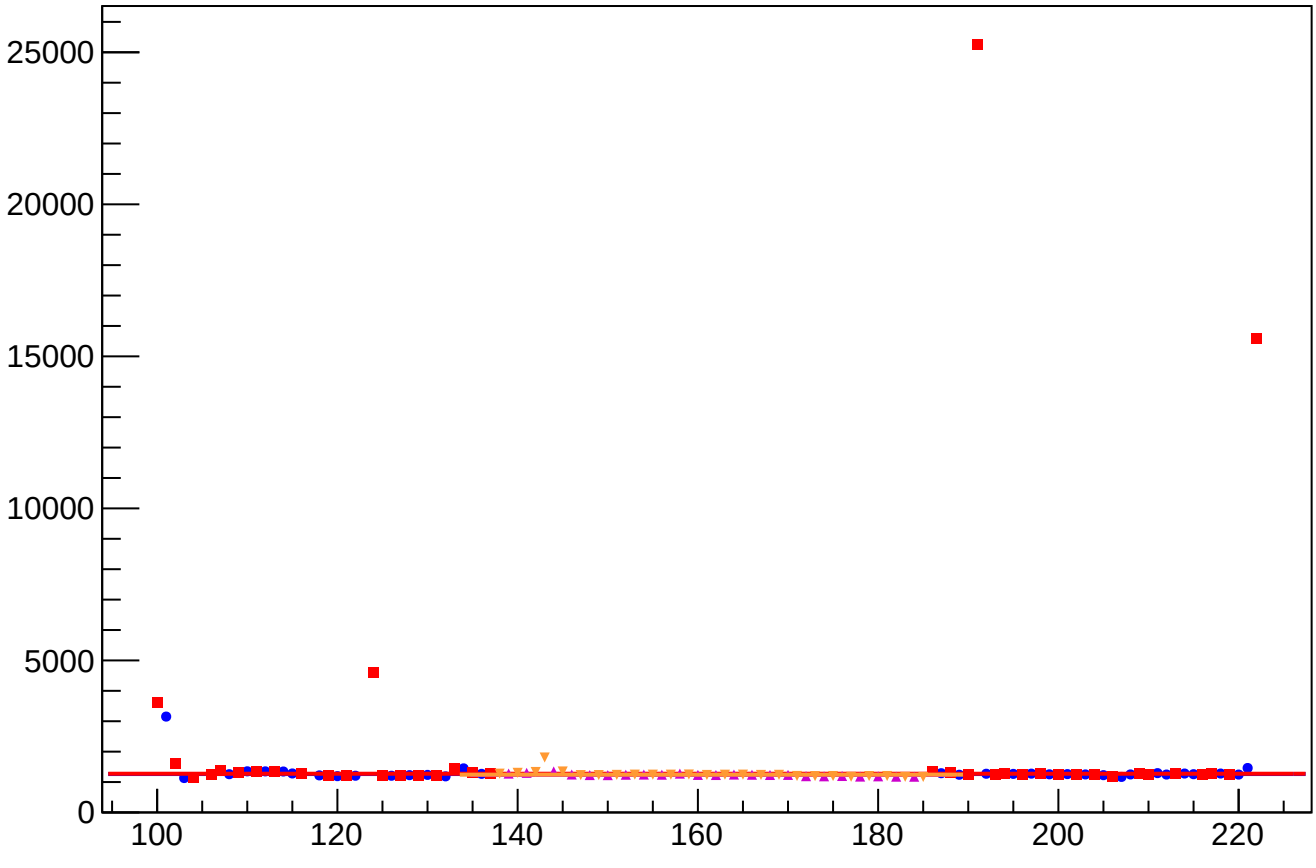
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -36.629+/-195.135 χ^2/NDF: 67.5/71

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -403.254+/-198.183 χ^2/NDF:54.7/62

All: -95.097+/-140.329 χ^2/NDF: 106.4/119



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: 1273.516+/-0.196 χ^2/NDF: 1963071.5/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

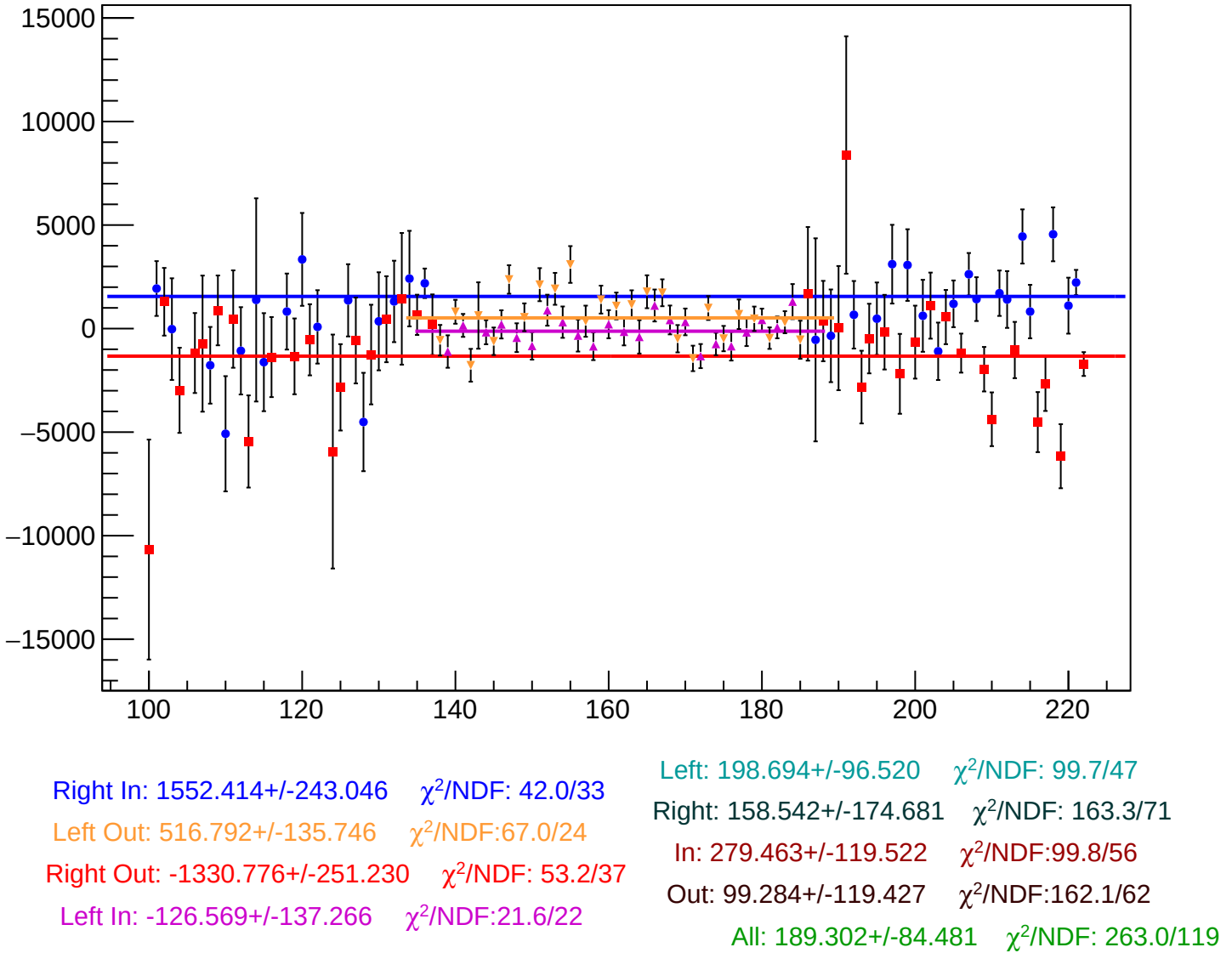
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

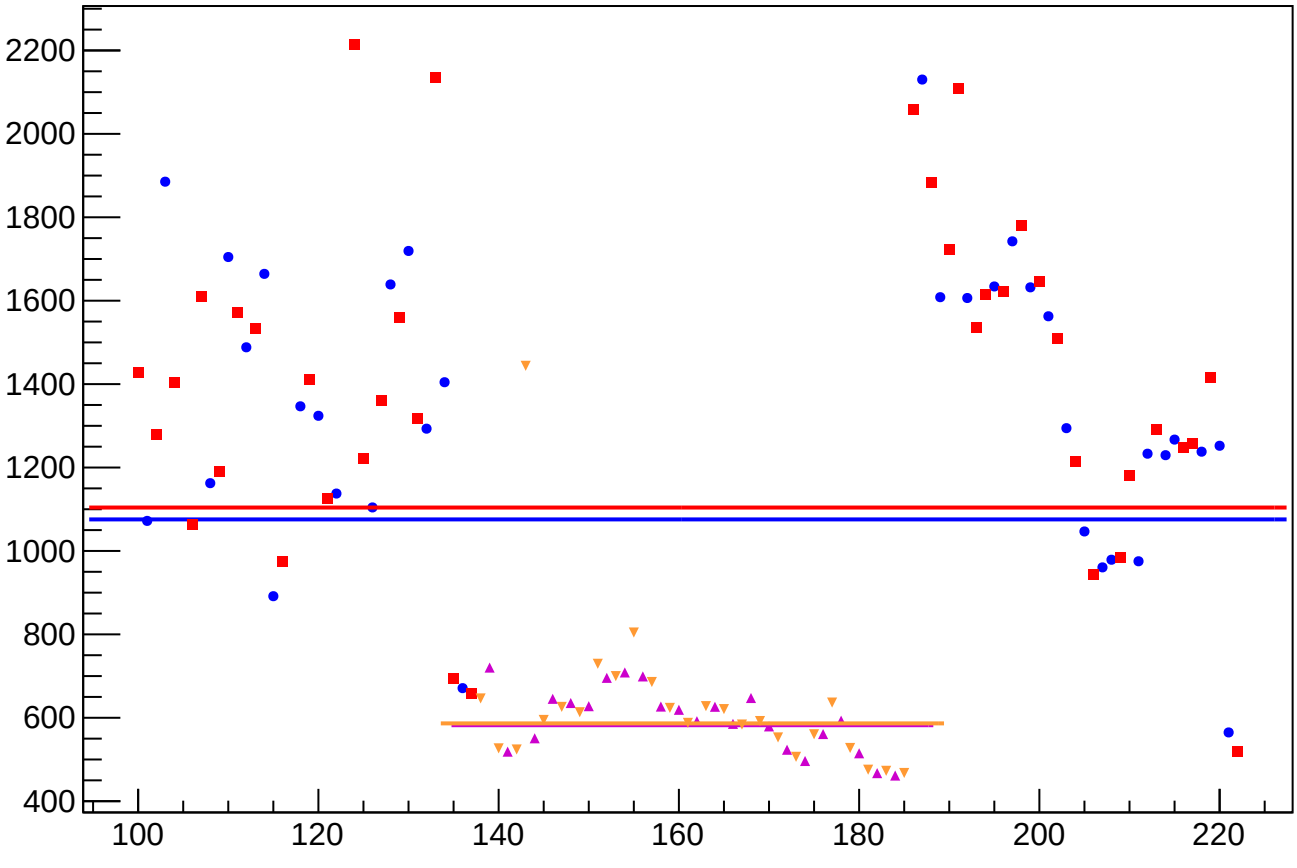
Right: 1268.271+/-0.138 χ^2/NDF: 2516523.0/71

In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1258.471+/-0.140 χ^2/NDF:2178357.3/62

All: 1253.834+/-0.099 χ^2/NDF: 2782786.3/11


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: -1330.776+/-251.230 χ²/NDF: 53.2/37
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 158.542+/-174.681 χ²/NDF: 163.3/71
In: 279.463+/-119.522 χ²/NDF:99.8/56
Out: 99.284+/-119.427 χ²/NDF:162.1/62
All: 189.302+/-84.481 χ²/NDF: 263.0/119



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: 1104.089+/-0.178 χ^2/NDF: 5322940.7/37

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

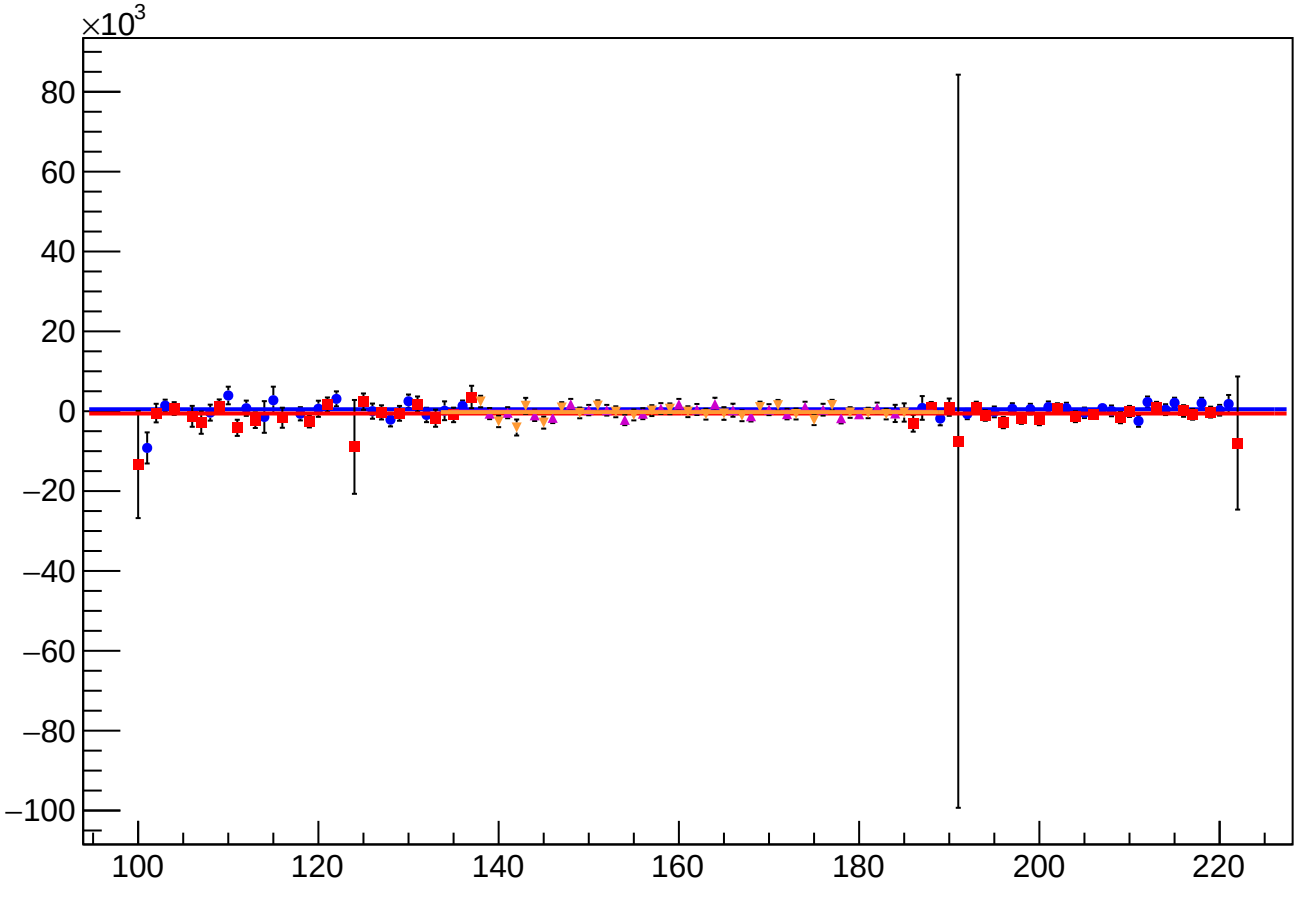
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1089.384+/-0.124 χ^2/NDF: 9728238.7/71

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 703.508+/-0.084 χ^2/NDF:13095097.0/62

All: 702.514+/-0.060 χ^2/NDF: 24296498.7/11



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: -572.022+/-277.729 χ^2/NDF: 30.0/37

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

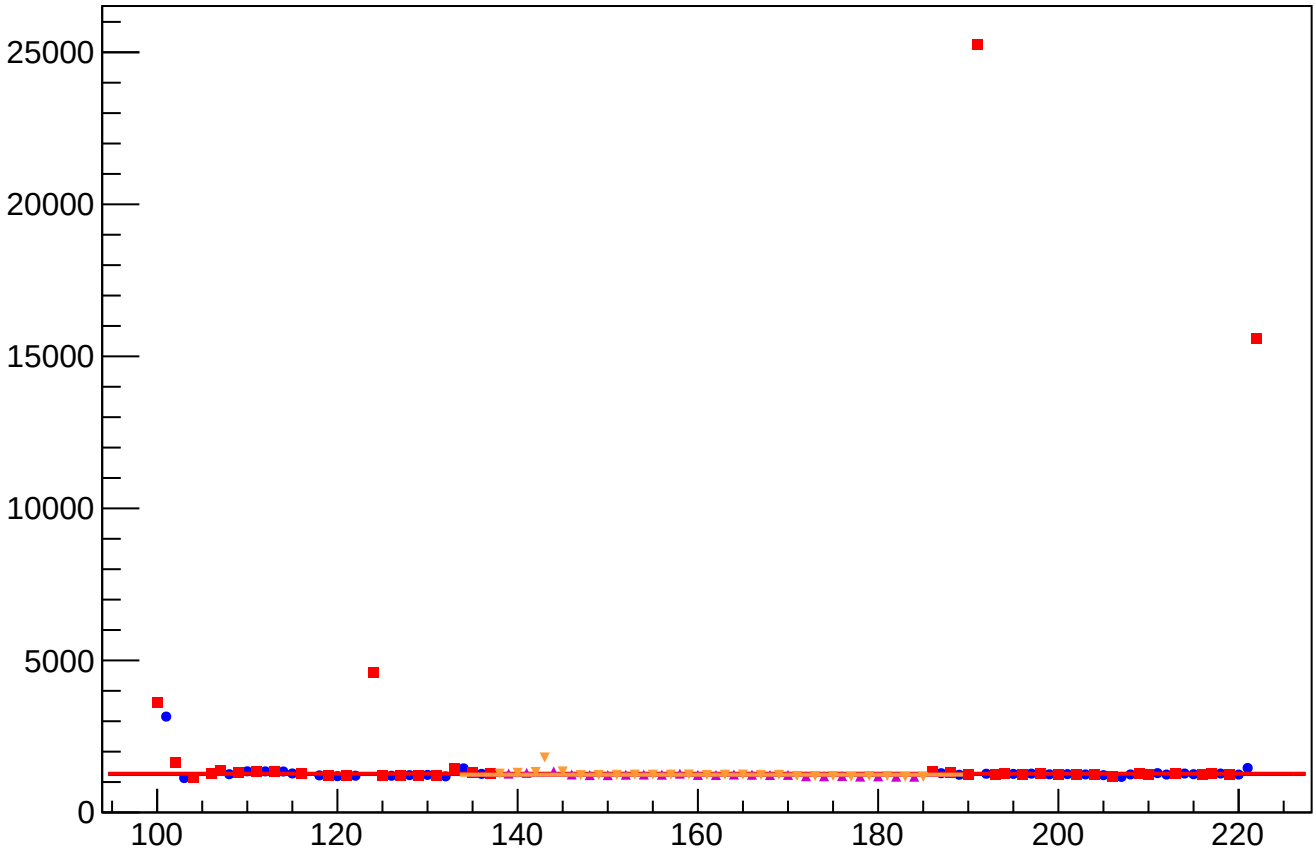
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.897+/-195.189 χ^2/NDF: 67.4/71

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.724+/-198.240 χ^2/NDF:54.7/62

All: -93.209+/-140.349 χ^2/NDF: 106.3/119



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: 1274.268+/-0.196 χ^2/NDF: 1970105.9/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

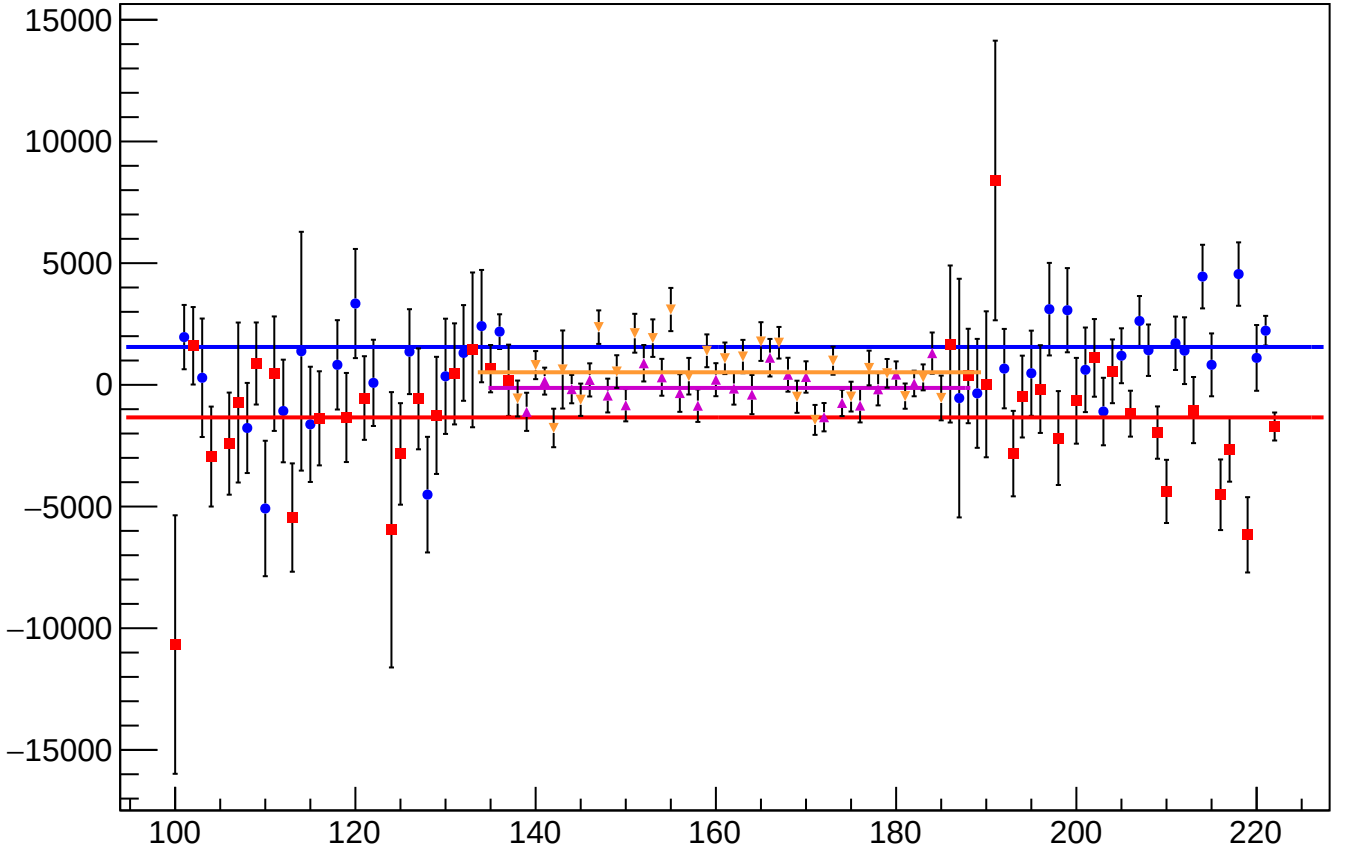
Right: 1268.640+/-0.138 χ^2/NDF: 2523770.0/71

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1258.845+/-0.140 χ^2/NDF:2185979.4/62

All: 1254.020+/-0.099 χ^2/NDF: 2790589.4/11

asym_atl_dd_atr_dd_dd_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: -1337.283+/-251.391 χ^2/NDF: 54.3/37

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

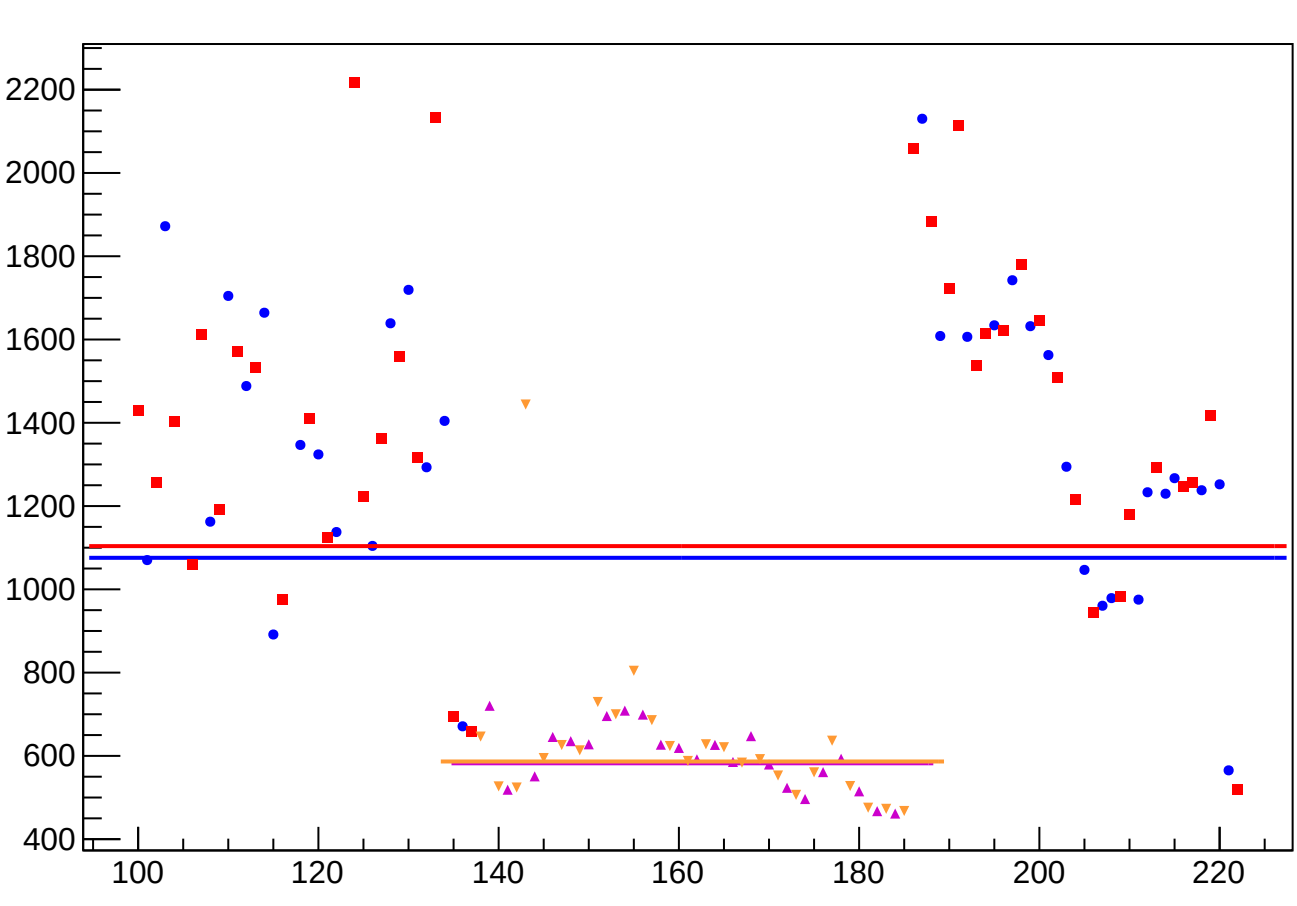
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 158.294+/-174.731 χ^2/NDF: 164.6/71

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 98.238+/-119.445 χ^2/NDF:163.4/62

All: 189.261+/-84.487 χ^2/NDF: 264.4/119



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: 1103.817+/-0.178 χ^2/NDF: 5318718.6/37

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

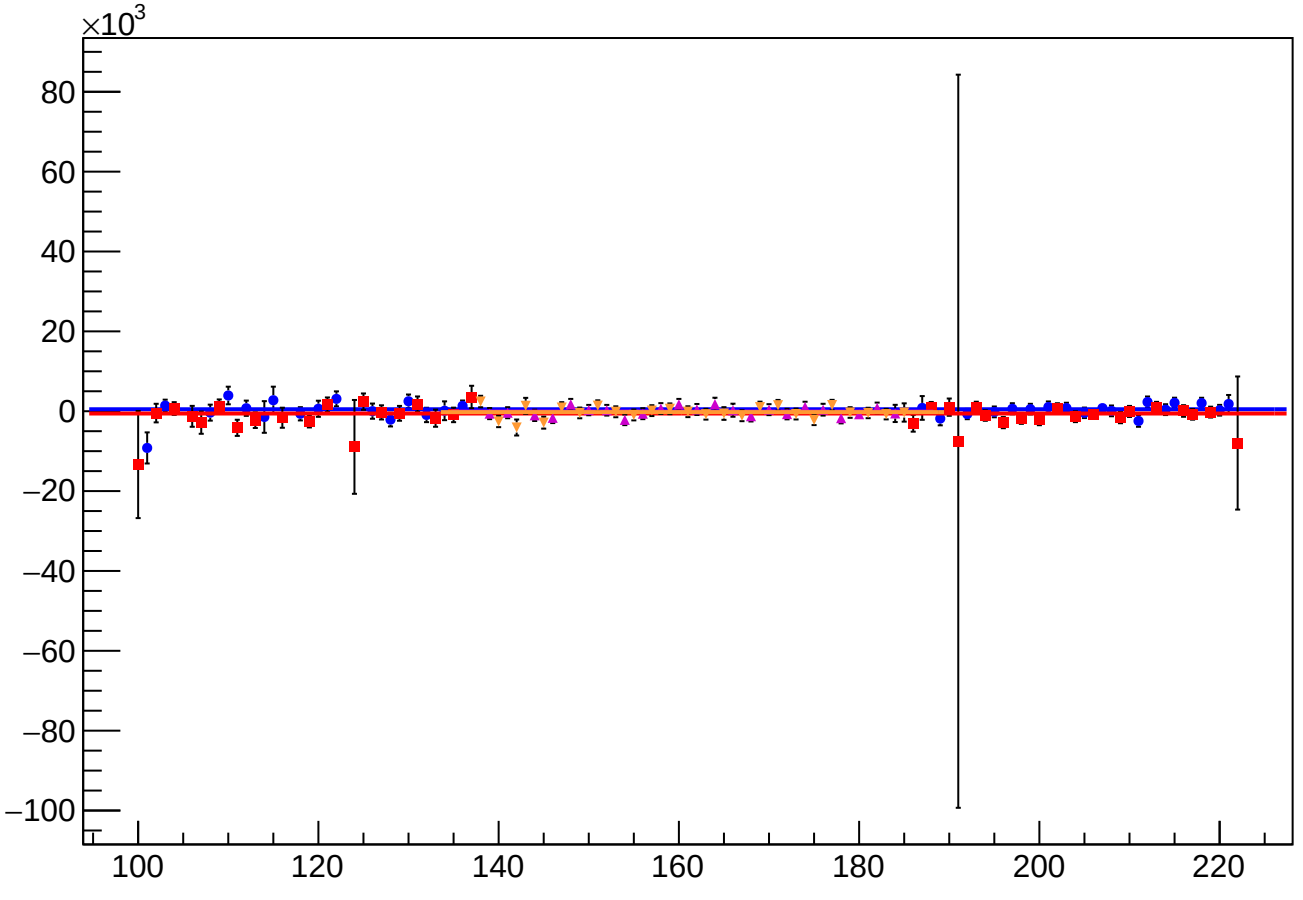
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1089.295+/-0.124 χ^2/NDF: 9716137.9/71

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 703.335+/-0.084 χ^2/NDF:13077242.0/62

All: 702.442+/-0.060 χ^2/NDF: 24274116.9/11



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: -572.022+/-277.729 χ^2/NDF: 30.0/37

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

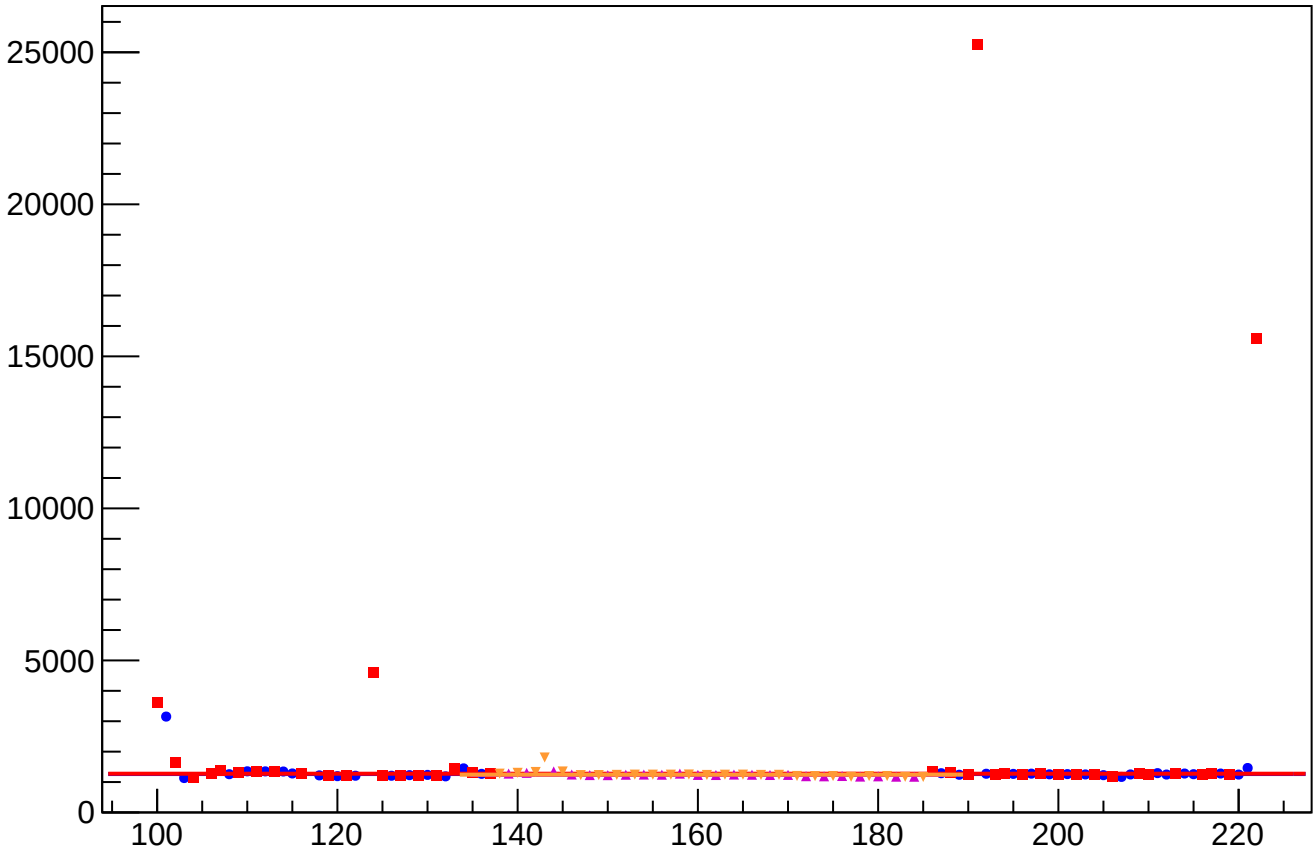
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.897+/-195.189 χ^2/NDF: 67.4/71

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.724+/-198.240 χ^2/NDF:54.7/62

All: -93.209+/-140.349 χ^2/NDF: 106.3/119



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: 1274.268+/-0.196 χ^2/NDF: 1970105.9/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

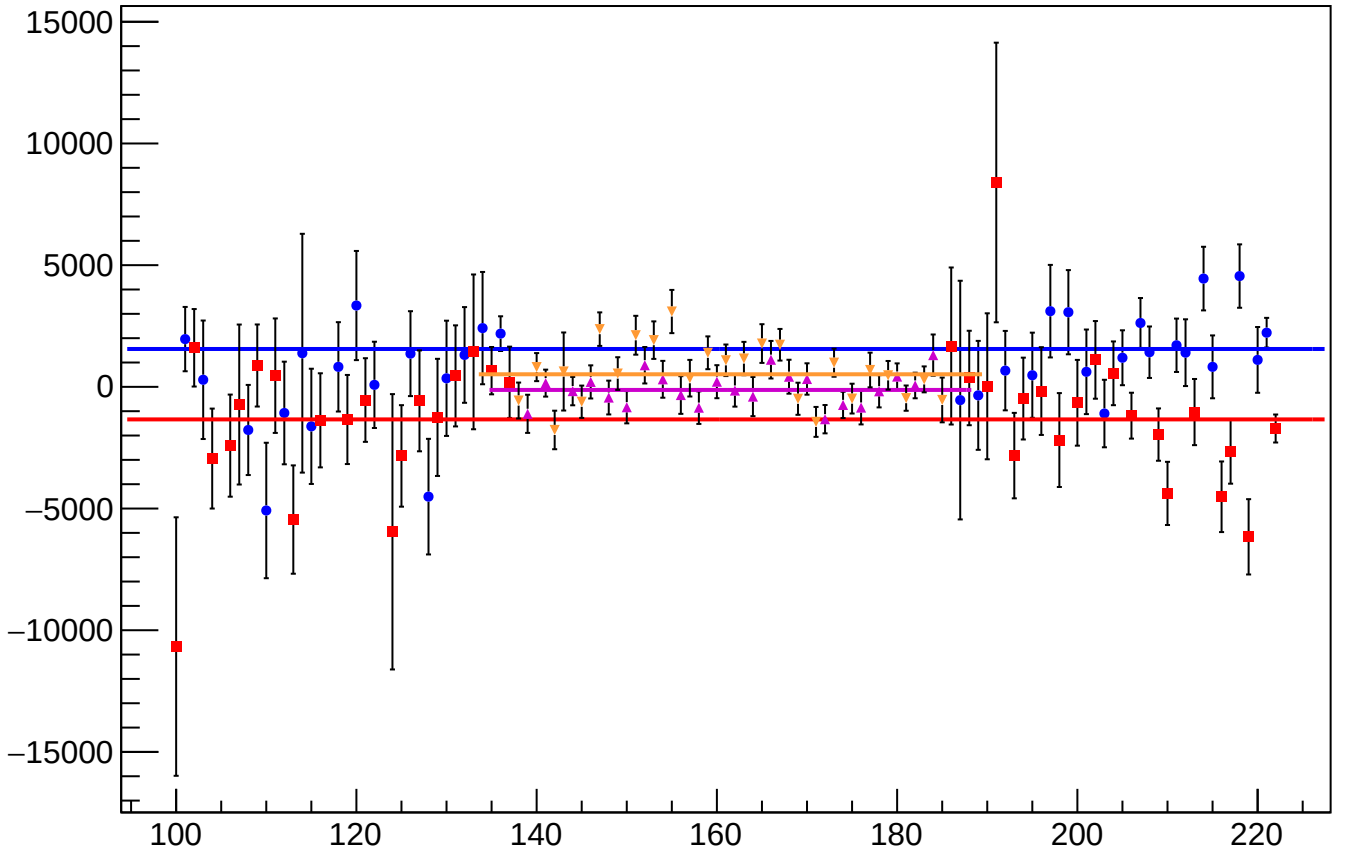
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1268.640+/-0.138 χ^2/NDF: 2523770.0/71

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1258.845+/-0.140 χ^2/NDF:2185979.4/62

All: 1254.020+/-0.099 χ^2/NDF: 2790589.4/11



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: -1337.283+/-251.391 χ^2/NDF: 54.3/37

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

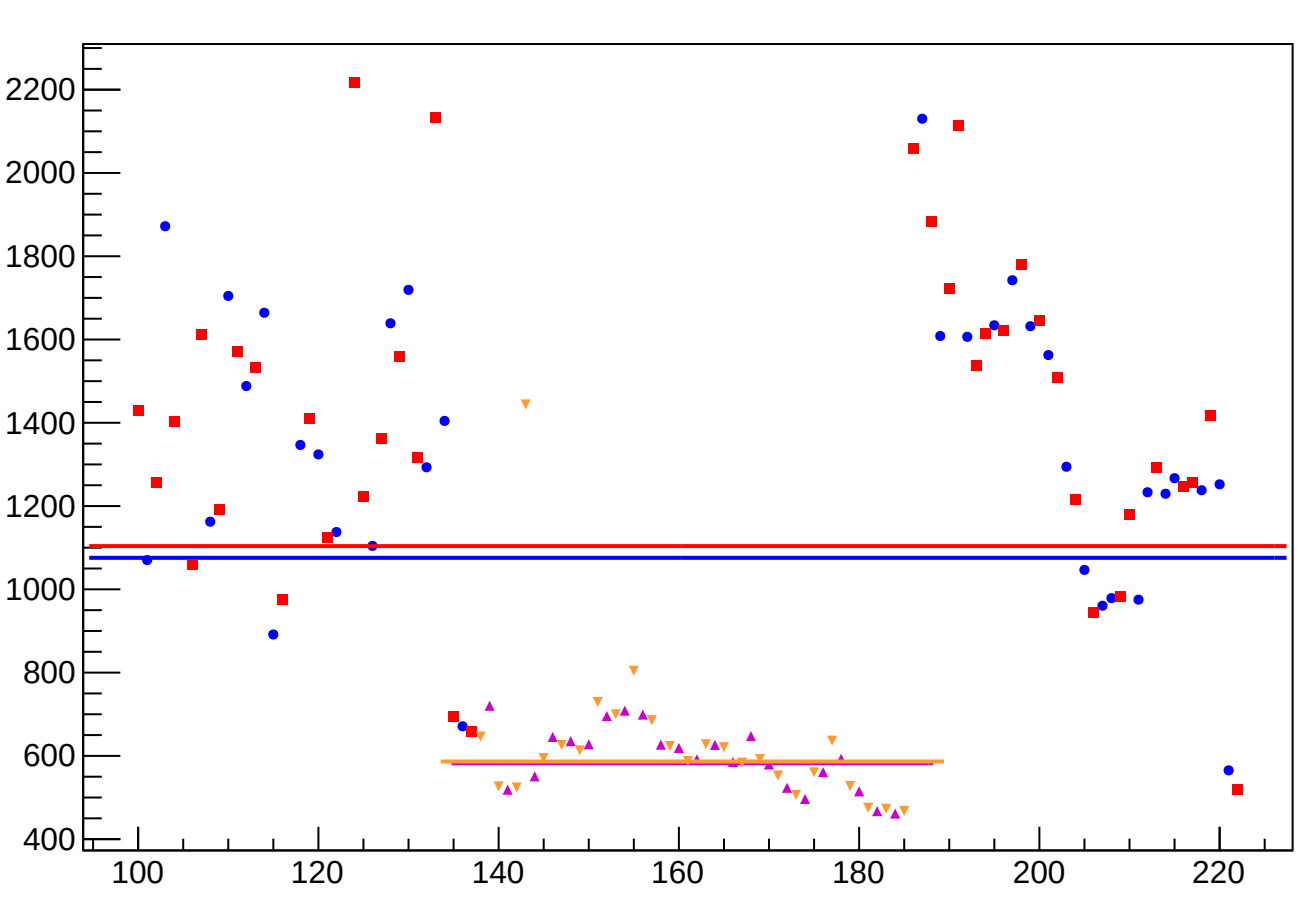
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 158.294+/-174.731 χ^2/NDF: 164.6/71

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 98.238+/-119.445 χ^2/NDF:163.4/62

All: 189.261+/-84.487 χ^2/NDF: 264.4/119



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: 1103.817+/-0.178 χ^2/NDF: 5318718.6/37

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

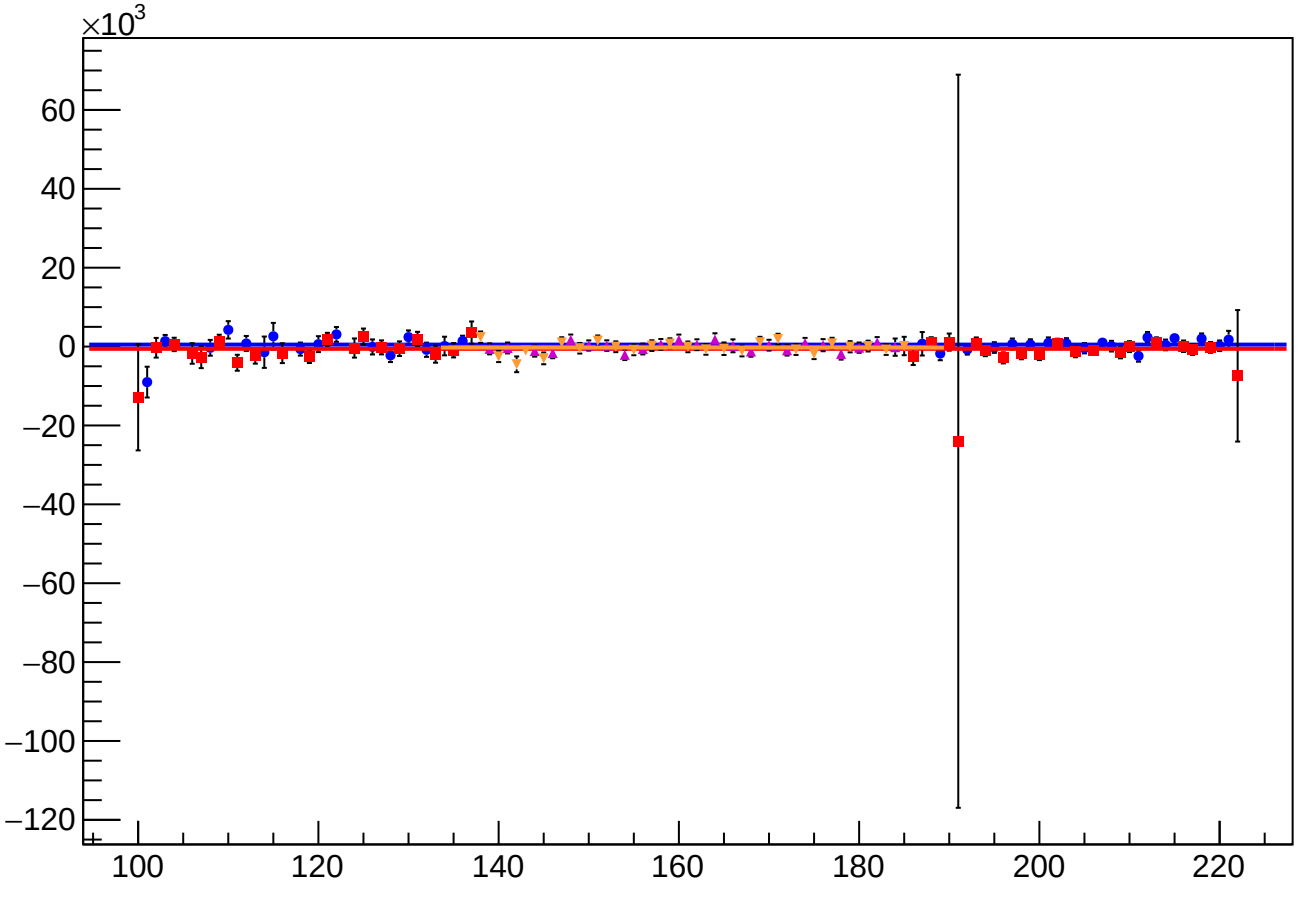
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1089.295+/-0.124 χ^2/NDF: 9716137.9/71

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 703.335+/-0.084 χ^2/NDF:13077242.0/62

All: 702.442+/-0.060 χ^2/NDF: 24274116.9/11



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: -569.025+/-277.179 χ^2/NDF: 29.5/37

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

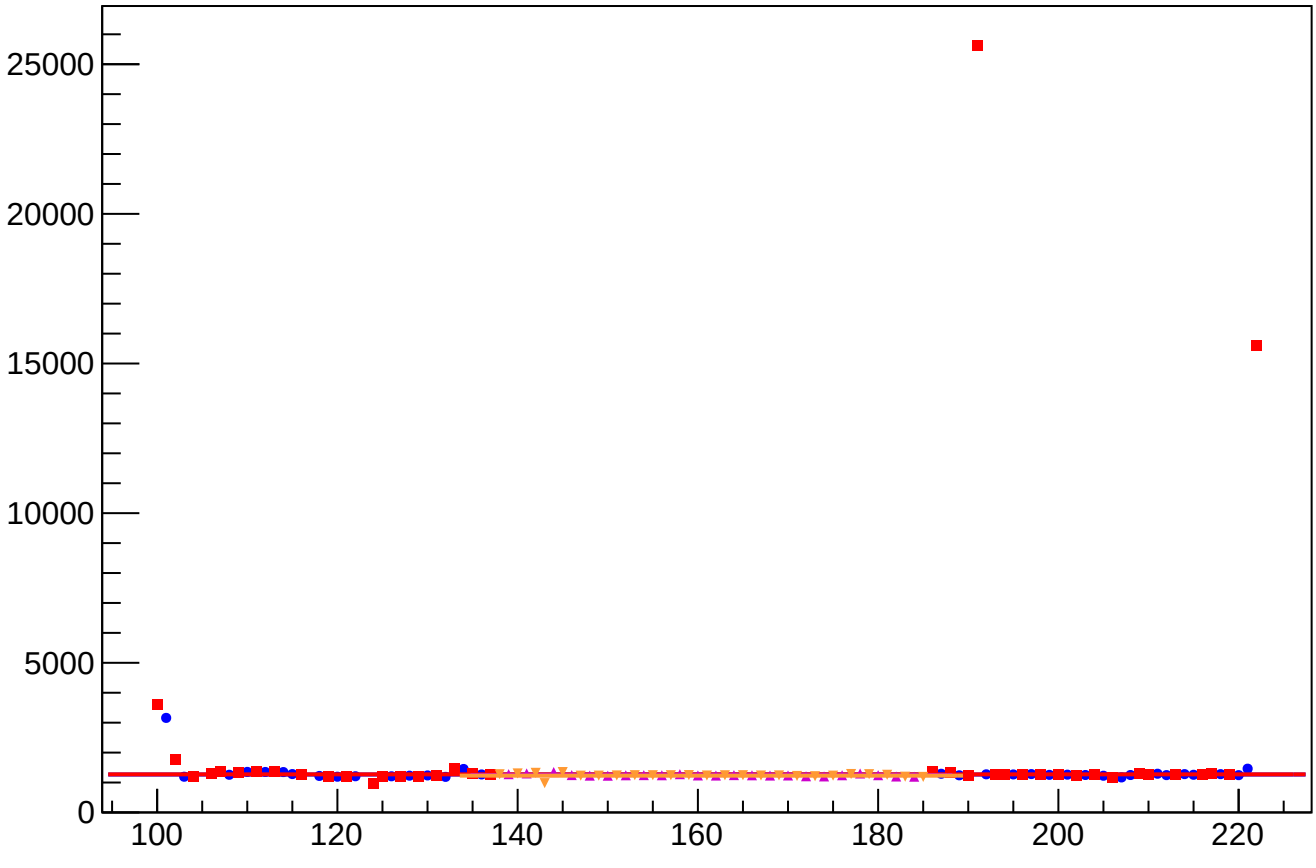
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -32.068+/-195.264 χ^2/NDF: 66.8/71

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -411.504+/-196.958 χ^2/NDF:54.2/62

All: -97.001+/-140.356 χ^2/NDF: 105.2/119



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: 1273.086+/-0.196 χ^2/NDF: 1861604.8/37

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

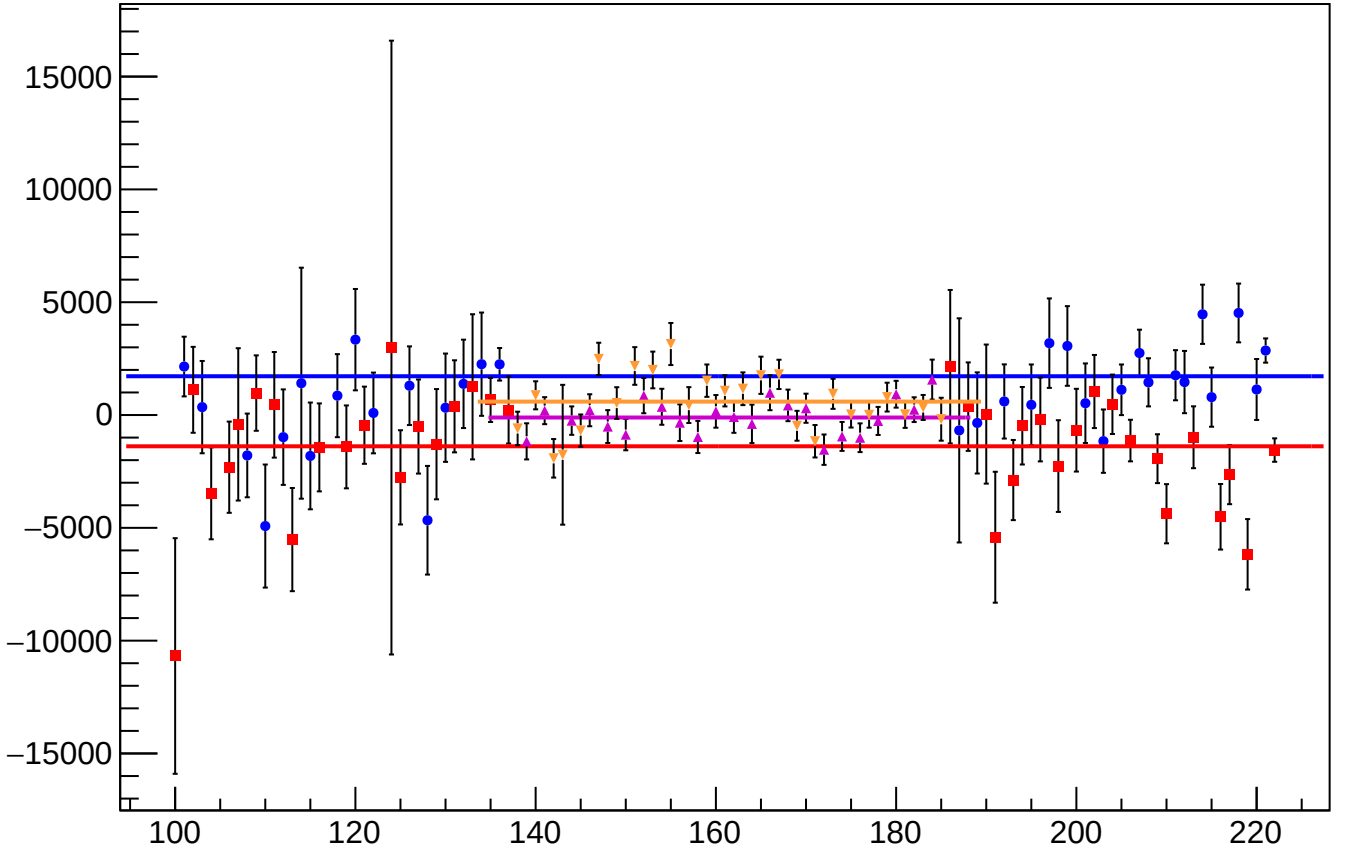
Right: 1269.874+/-0.138 χ^2/NDF: 2403493.8/71

In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1251.749+/-0.139 χ^2/NDF:2027153.1/62

All: 1254.723+/-0.099 χ^2/NDF: 2601235.7/11

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1385.652+/-247.583 χ^2/NDF: 50.8/37

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

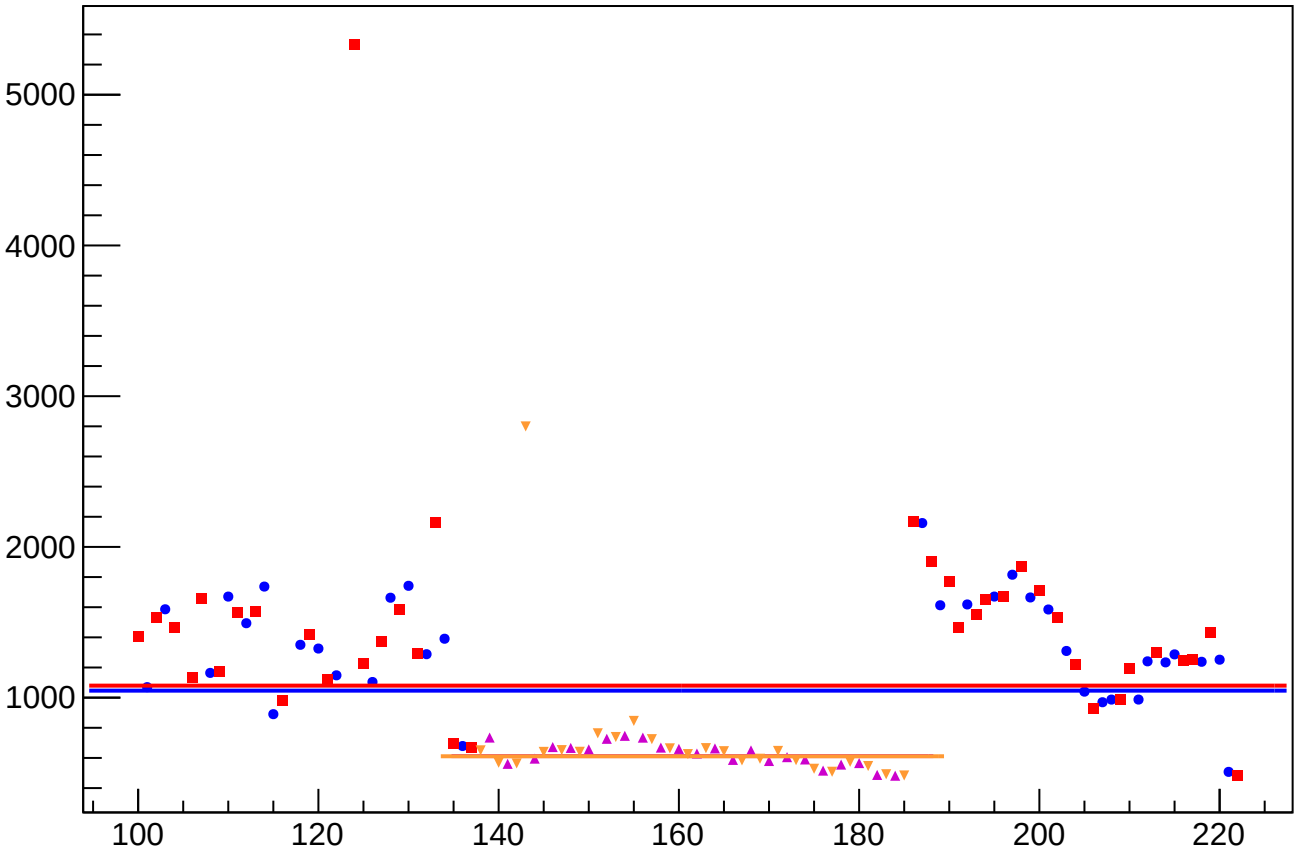
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 223.914+/-171.804 χ^2/NDF: 179.3/71

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 104.055+/-123.263 χ^2/NDF:156.3/62

All: 241.458+/-87.220 χ^2/NDF: 274.4/119



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: 1079.724+/-0.175 χ^2/NDF: 6443612.2/37

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

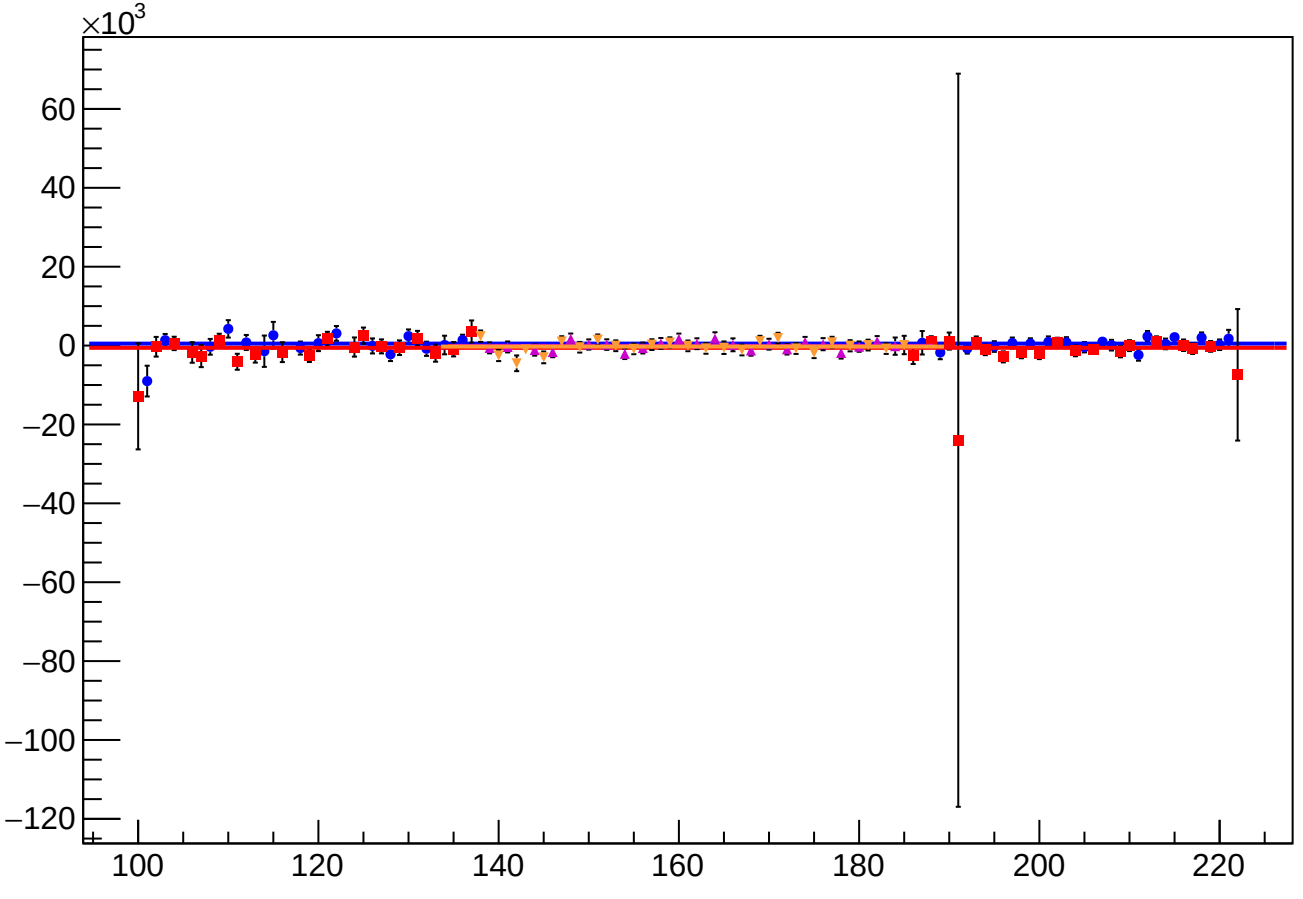
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1062.489+/-0.121 χ^2/NDF: 11627203.7/71

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 727.248+/-0.087 χ^2/NDF:13452510.2/62

All: 727.907+/-0.062 χ^2/NDF: 23974183.0/11



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: -569.022+/-277.179 χ^2/NDF: 29.5/37

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

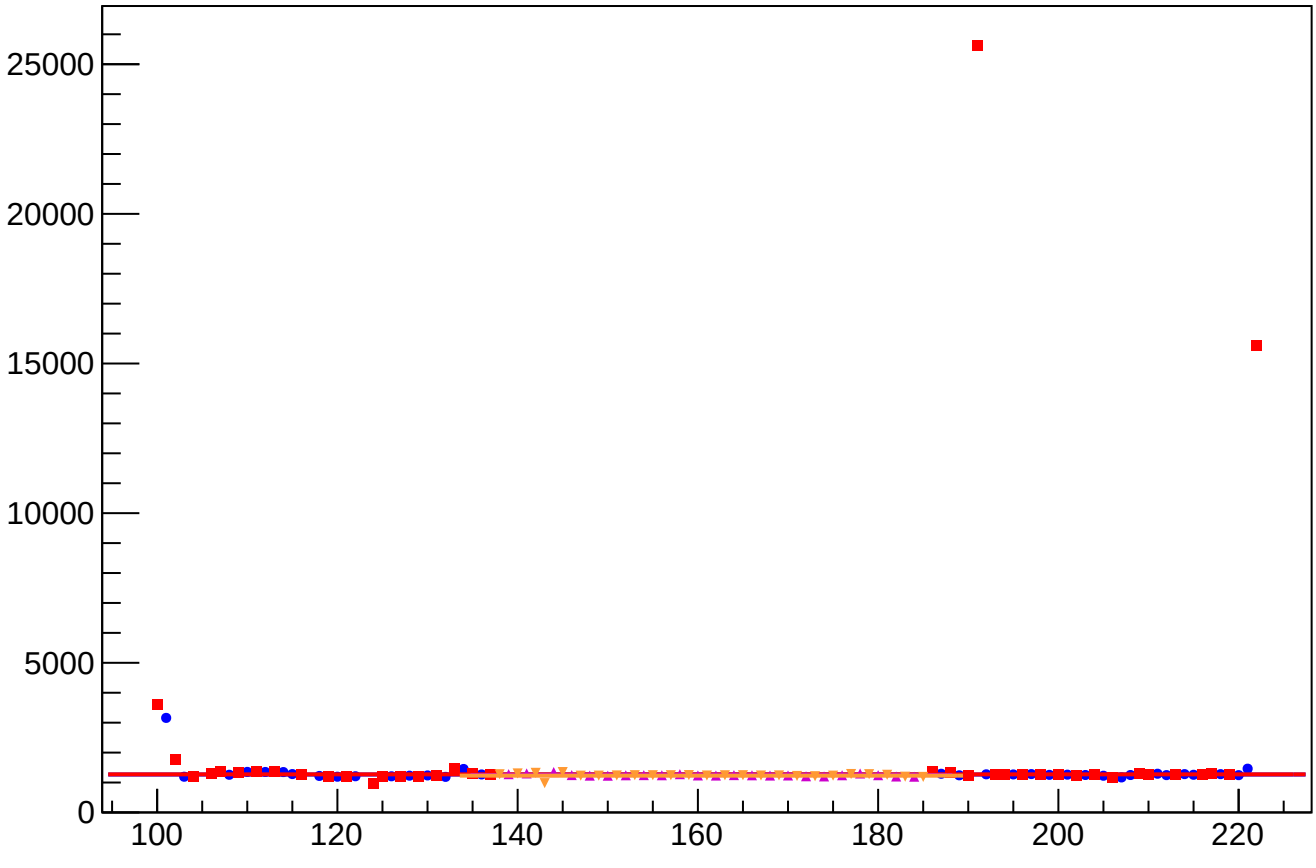
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -32.069+/-195.264 χ^2/NDF: 66.8/71

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -411.504+/-196.958 χ^2/NDF:54.2/62

All: -97.002+/-140.356 χ^2/NDF: 105.2/119



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: 1273.086+/-0.196 χ^2/NDF: 1861604.6/37

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

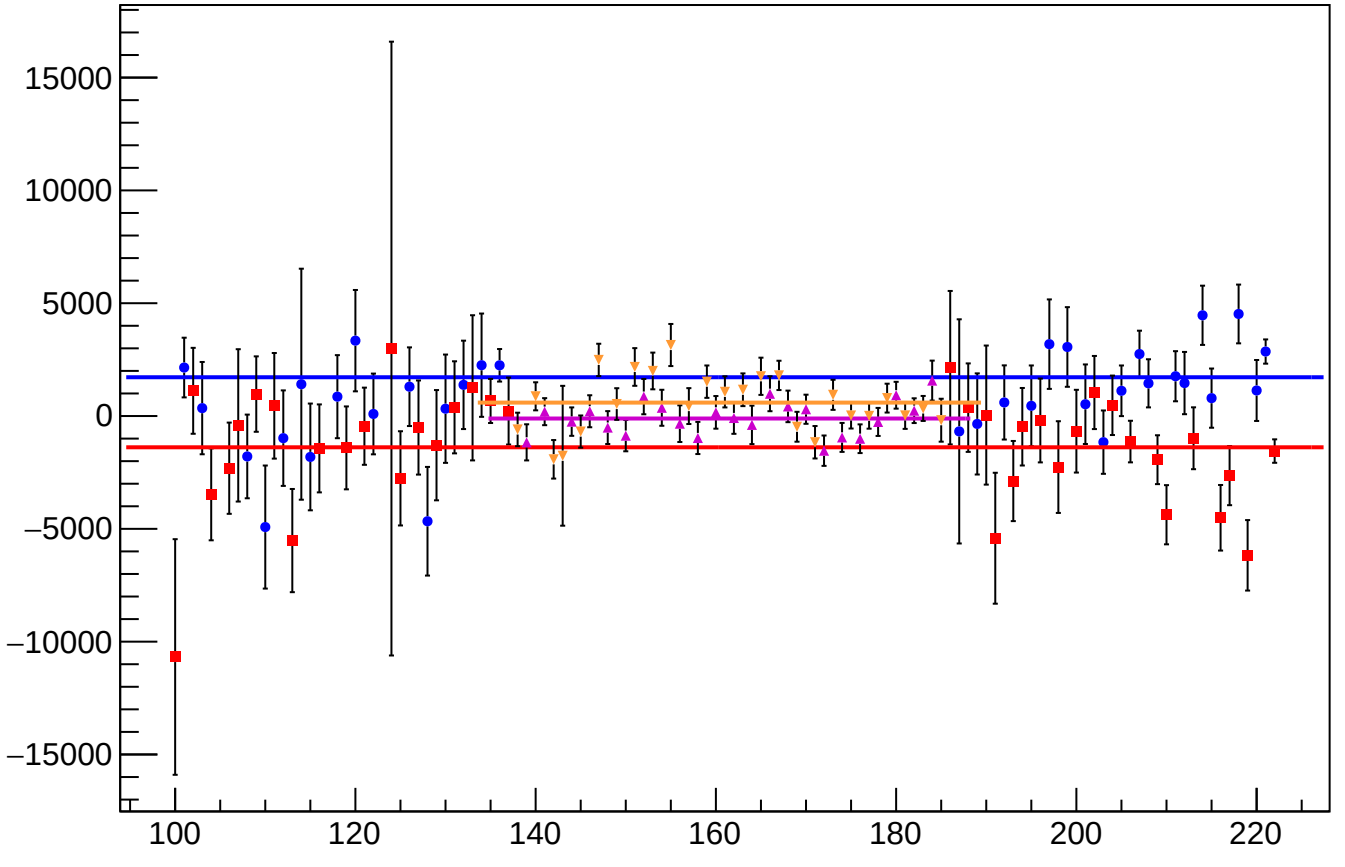
Right: 1269.874+/-0.138 χ^2/NDF: 2403493.7/71

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1251.748+/-0.139 χ^2/NDF:2027152.0/62

All: 1254.723+/-0.099 χ^2/NDF: 2601234.6/11

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1385.653+/-247.583 χ^2/NDF: 50.8/37

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

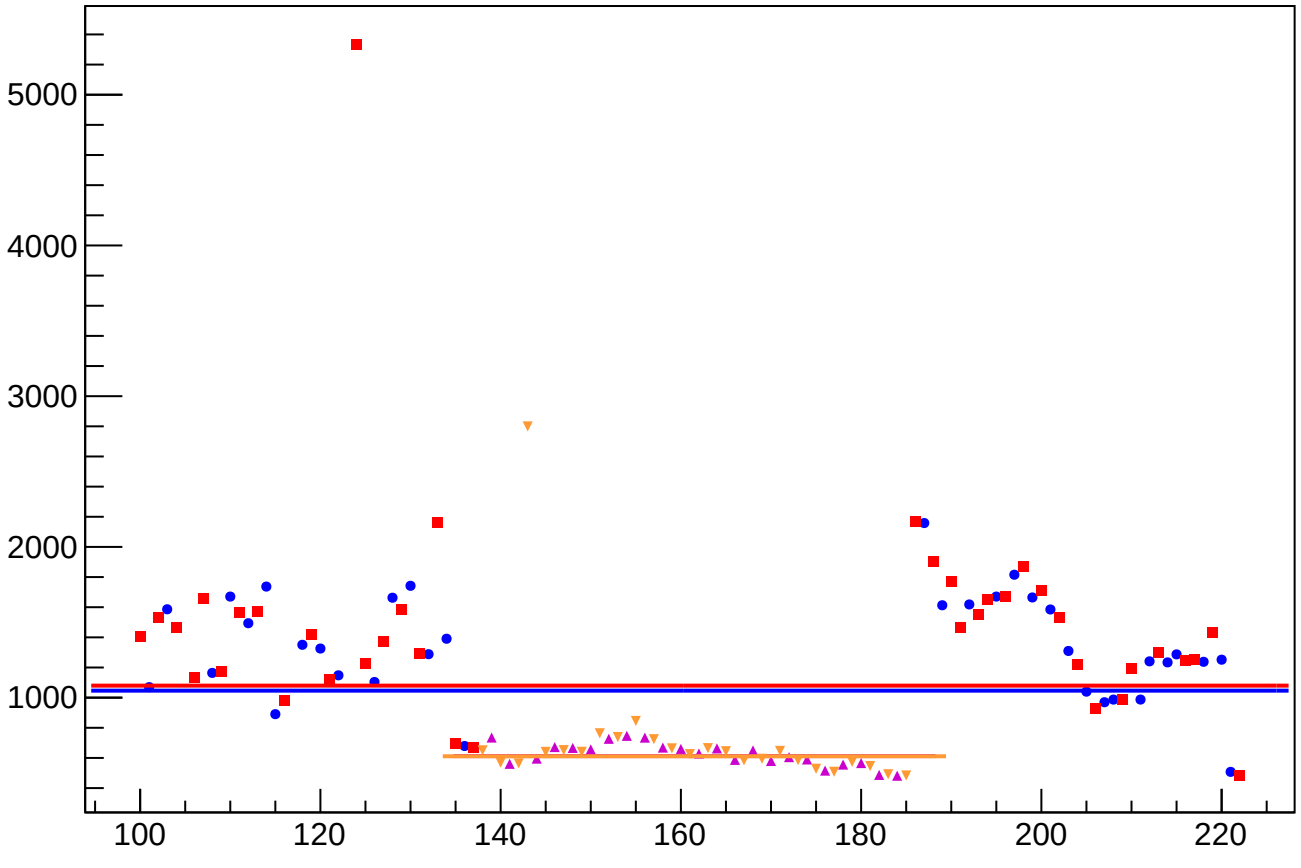
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

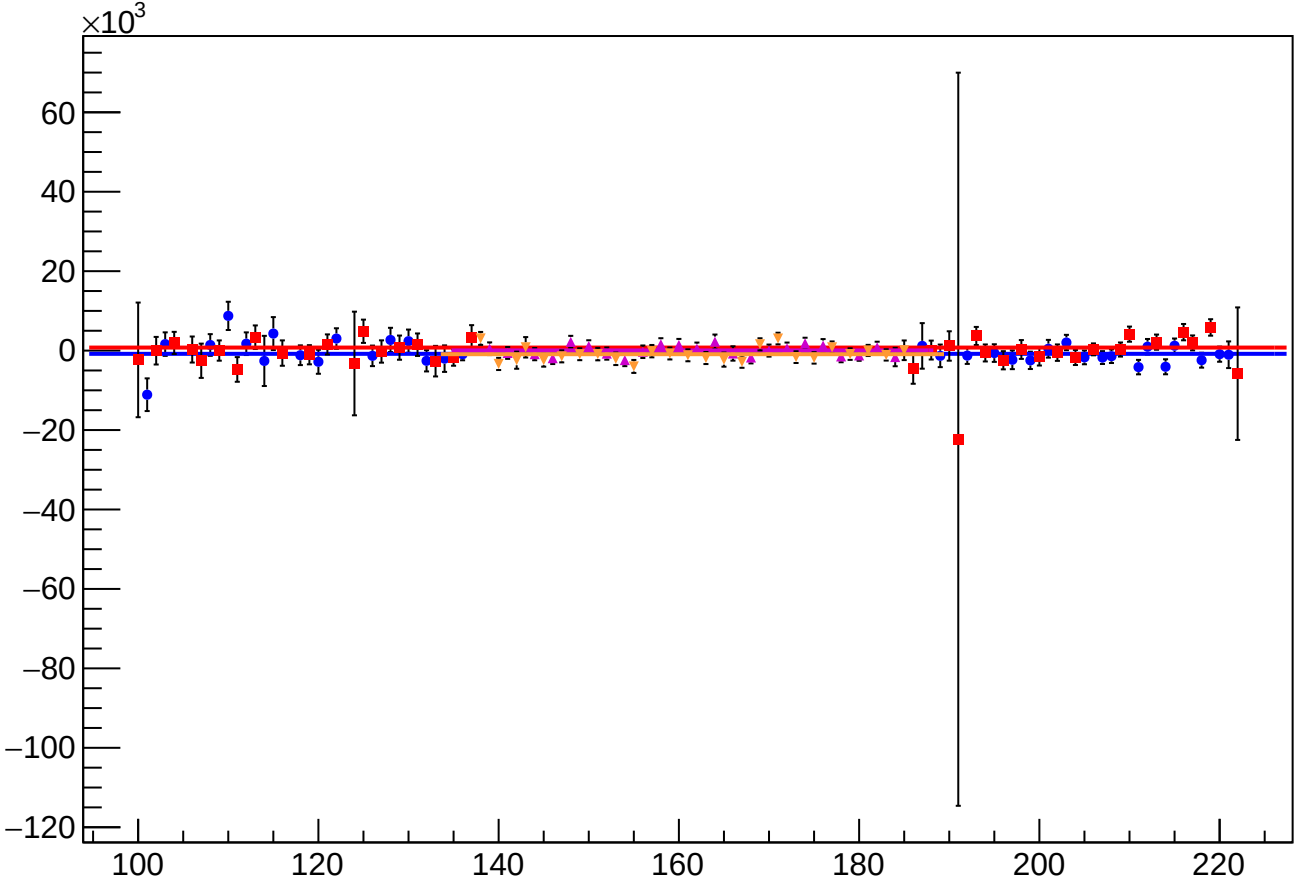
Right: 223.914+/-171.804 χ^2/NDF: 179.3/71

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 104.055+/-123.263 χ^2/NDF:156.3/62

All: 241.459+/-87.220 χ^2/NDF: 274.4/119


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: 1079.724+/-0.175 χ²/NDF: 6443611.5/37
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1062.489+/-0.121 χ²/NDF: 11627156.1/71
In: 728.567+/-0.087 χ²/NDF:10521529.1/56
Out: 727.248+/-0.087 χ²/NDF:13452512.2/62
All: 727.907+/-0.062 χ²/NDF: 23974155.8/11



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: 767.203+/-410.970 χ^2/NDF: 34.0/37

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

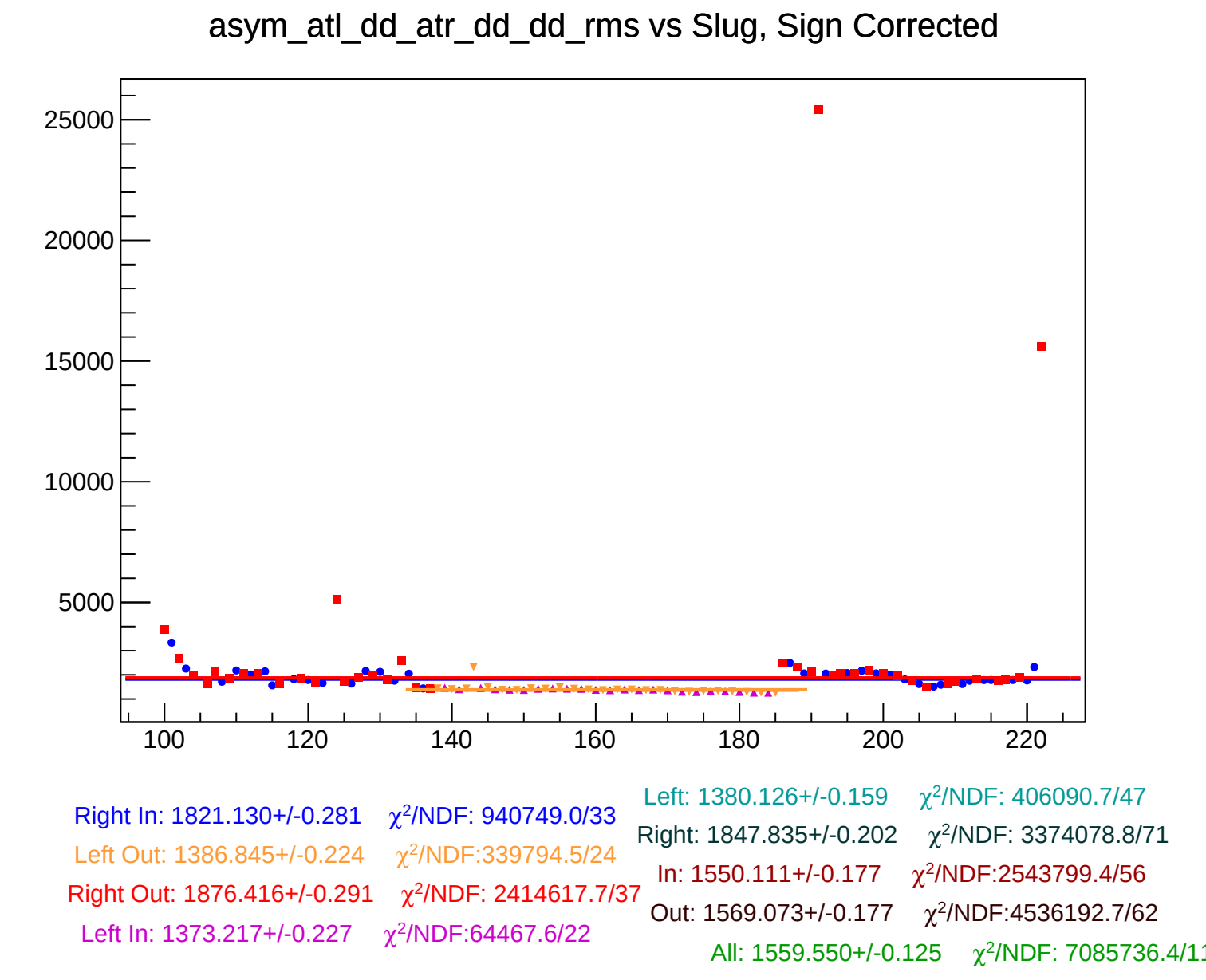
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

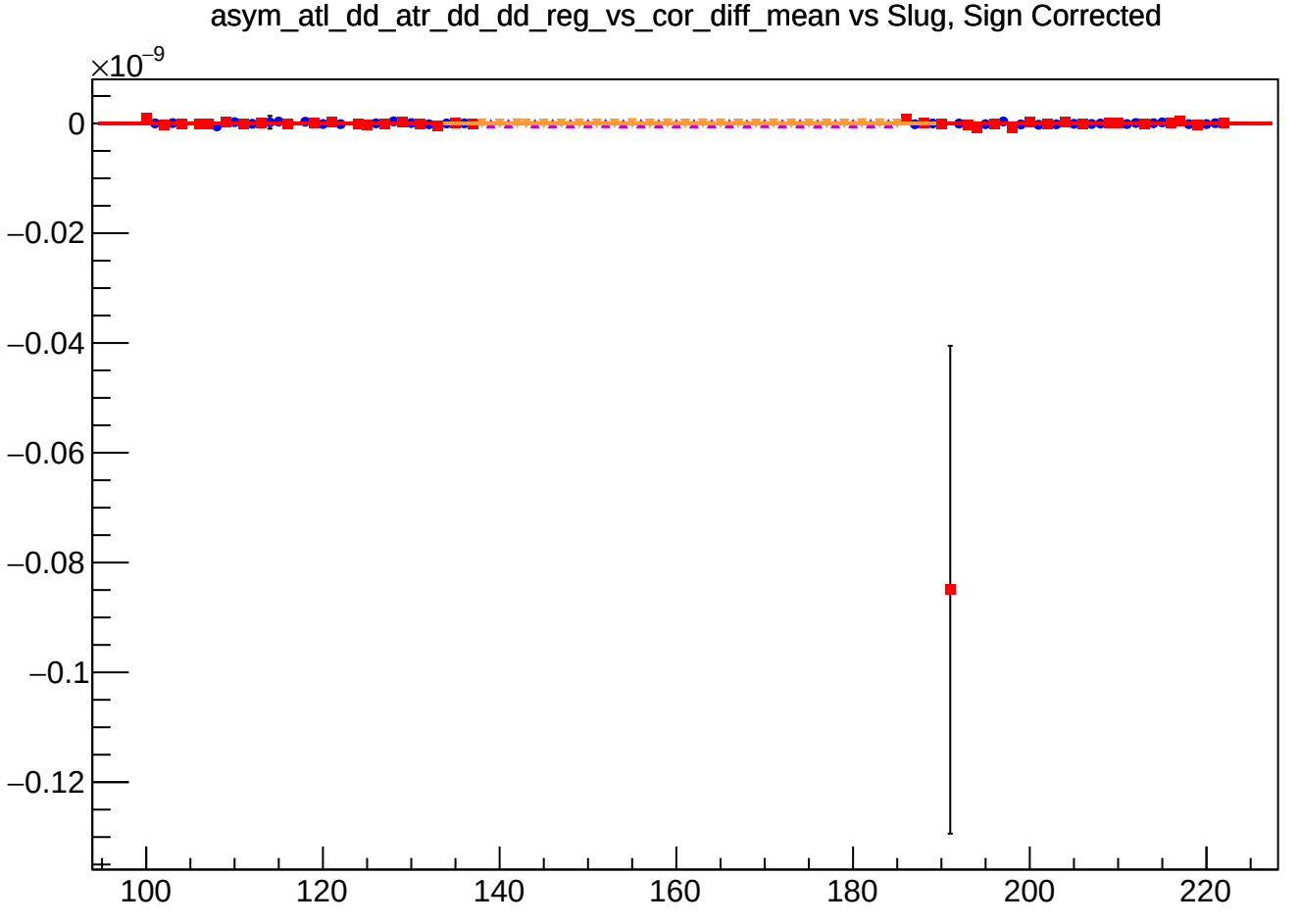
Right: -47.929+/-285.622 χ^2/NDF: 78.1/71

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -279.372+/-250.731 χ^2/NDF:74.1/62

All: -284.983+/-176.906 χ^2/NDF: 131.4/119


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: 1876.416+/-0.291 χ²/NDF: 2414617.7/37
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1847.835+/-0.202 χ²/NDF: 3374078.8/71
In: 1550.111+/-0.177 χ²/NDF:2543799.4/56
Out: 1569.073+/-0.177 χ²/NDF:4536192.7/62
All: 1559.550+/-0.125 χ²/NDF: 7085736.4/11



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: 58.4/37

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

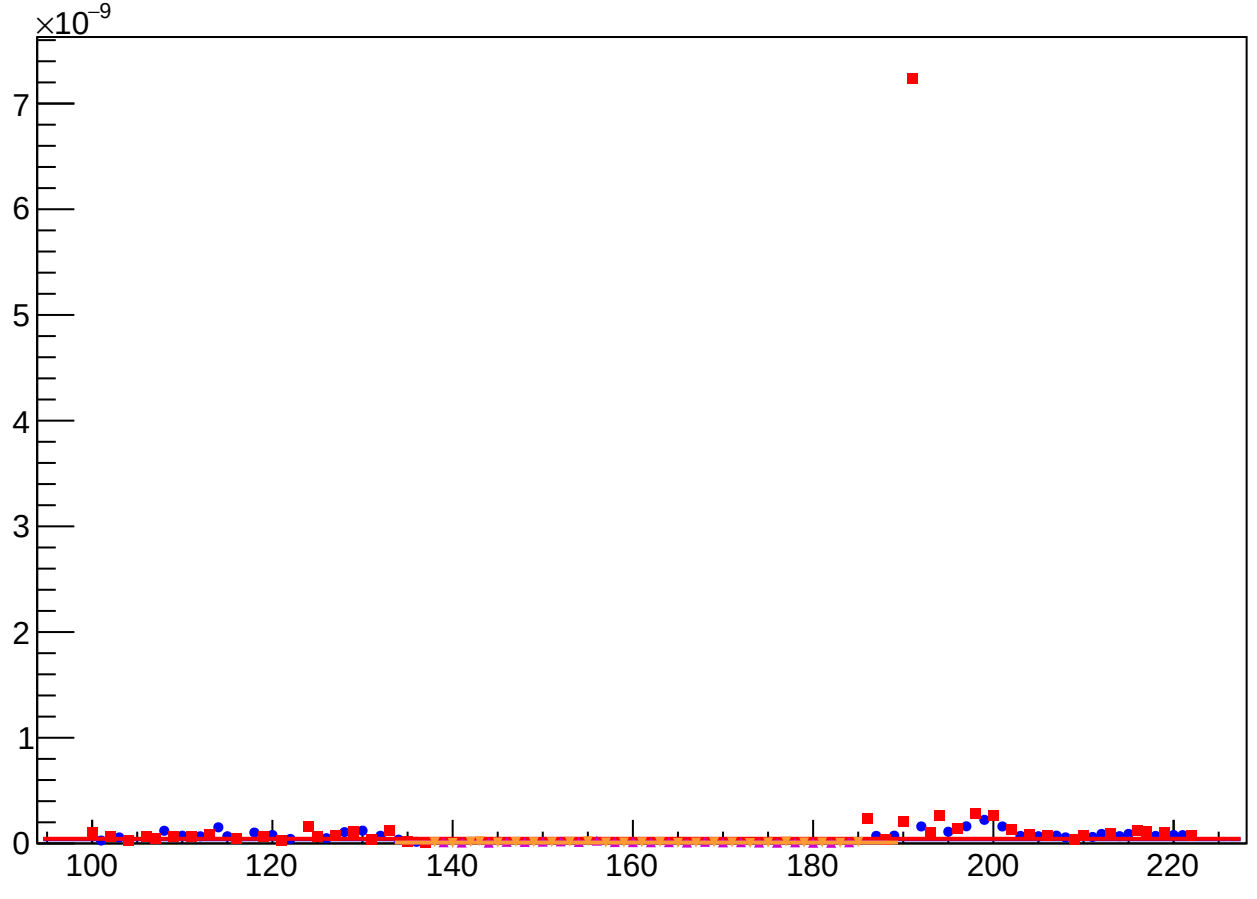
Right: -0.000+/-0.000 χ^2/NDF: 87.9/71

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:83.6/62

All: 0.000+/-0.000 χ^2/NDF: 126.4/119

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: 7983466.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

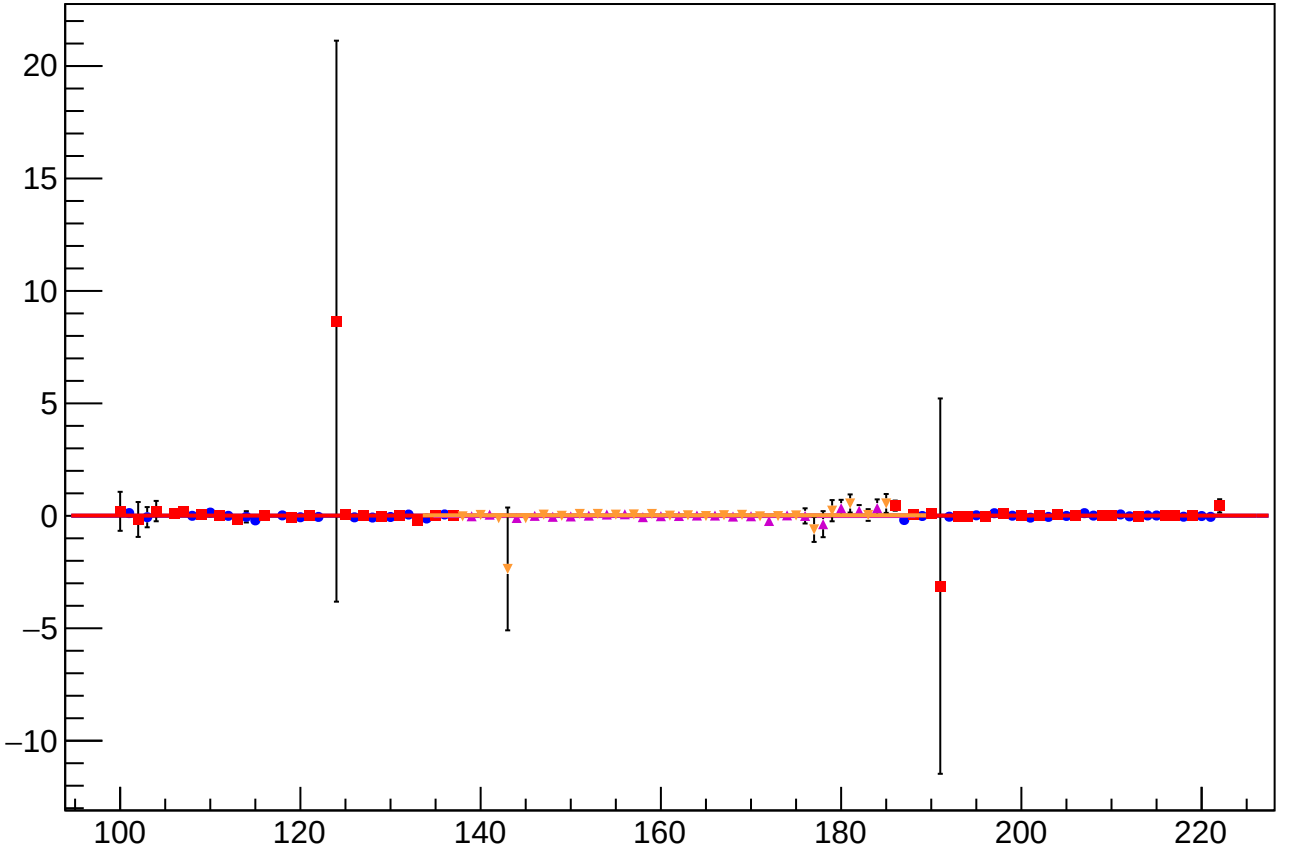
Right: 0.000+/-0.000 χ^2/NDF: 15543125.5/71

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:17136112.2/62

All: 0.000+/-0.000 χ^2/NDF: 32081385.5/119

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

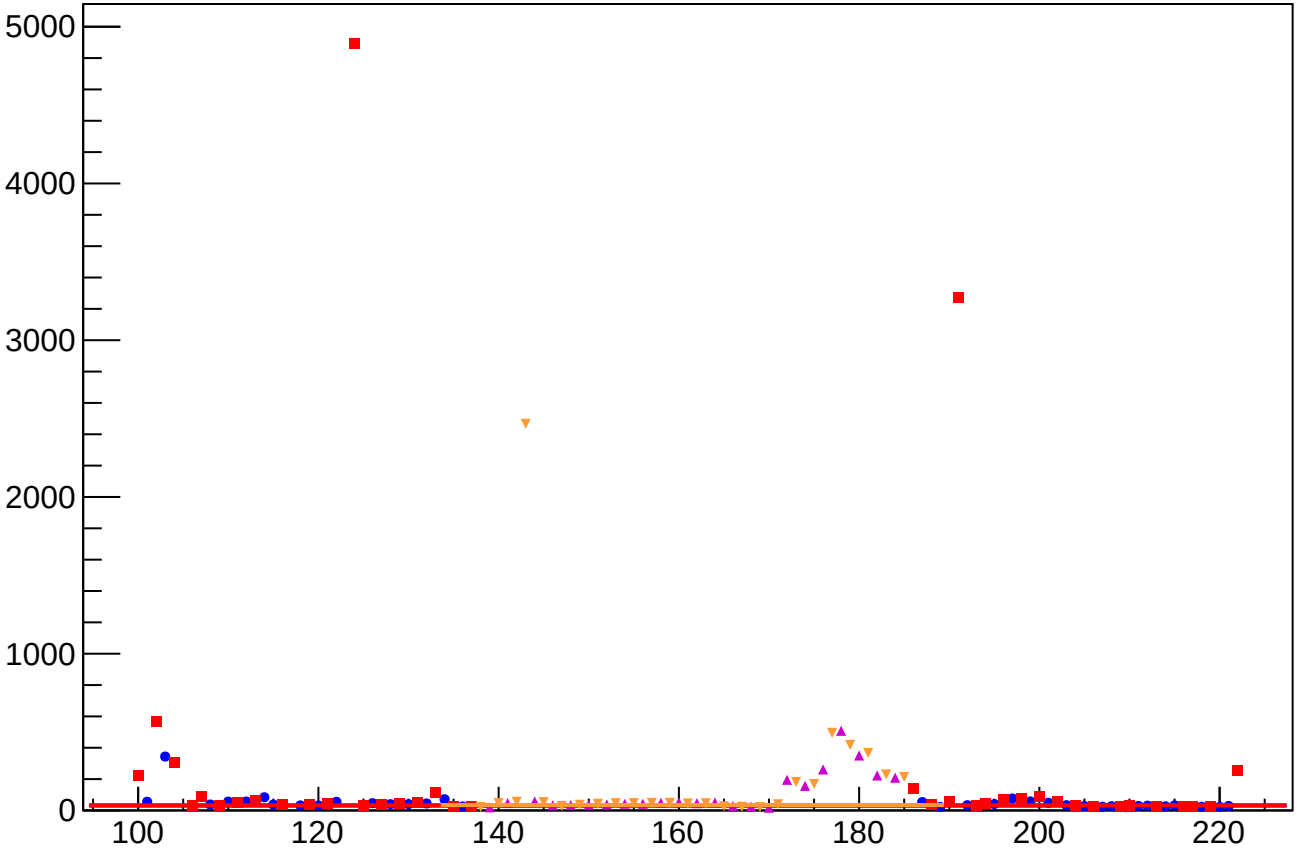
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002803.6/37

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

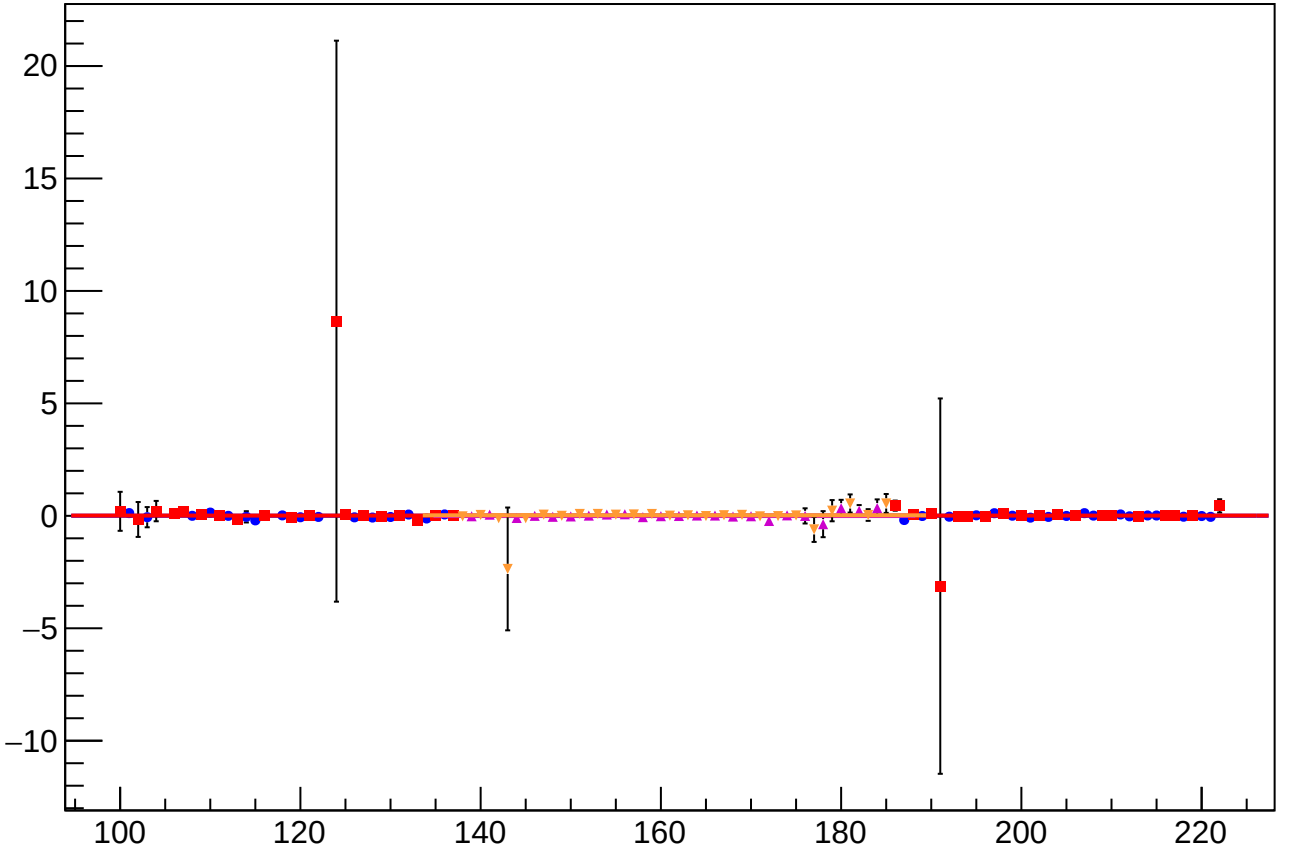
Right: 32.021+/-0.004 χ^2/NDF: 12235371.4/71

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.680+/-0.005 χ^2/NDF:19434078.3/62

All: 32.832+/-0.003 χ^2/NDF: 33818985.3/119

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

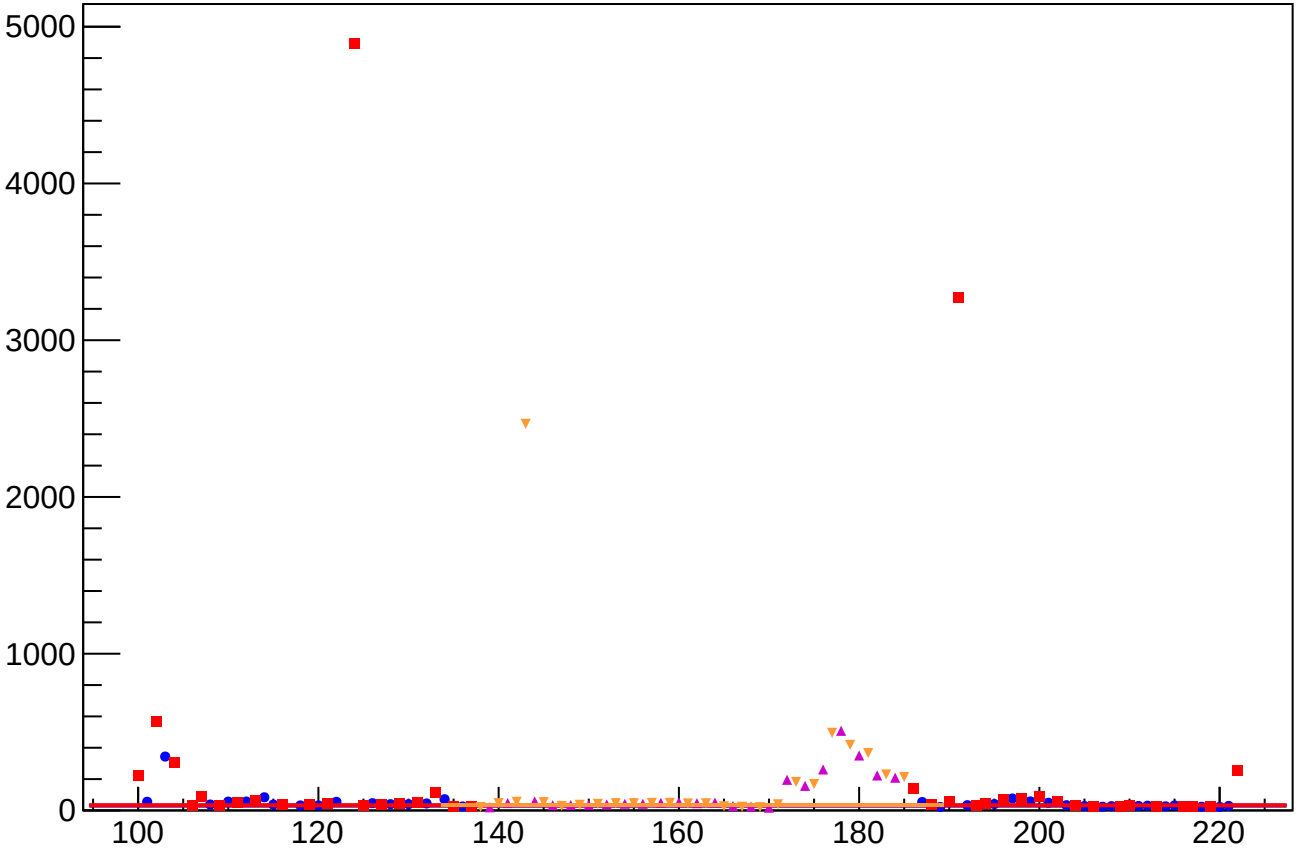
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002803.6/37

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

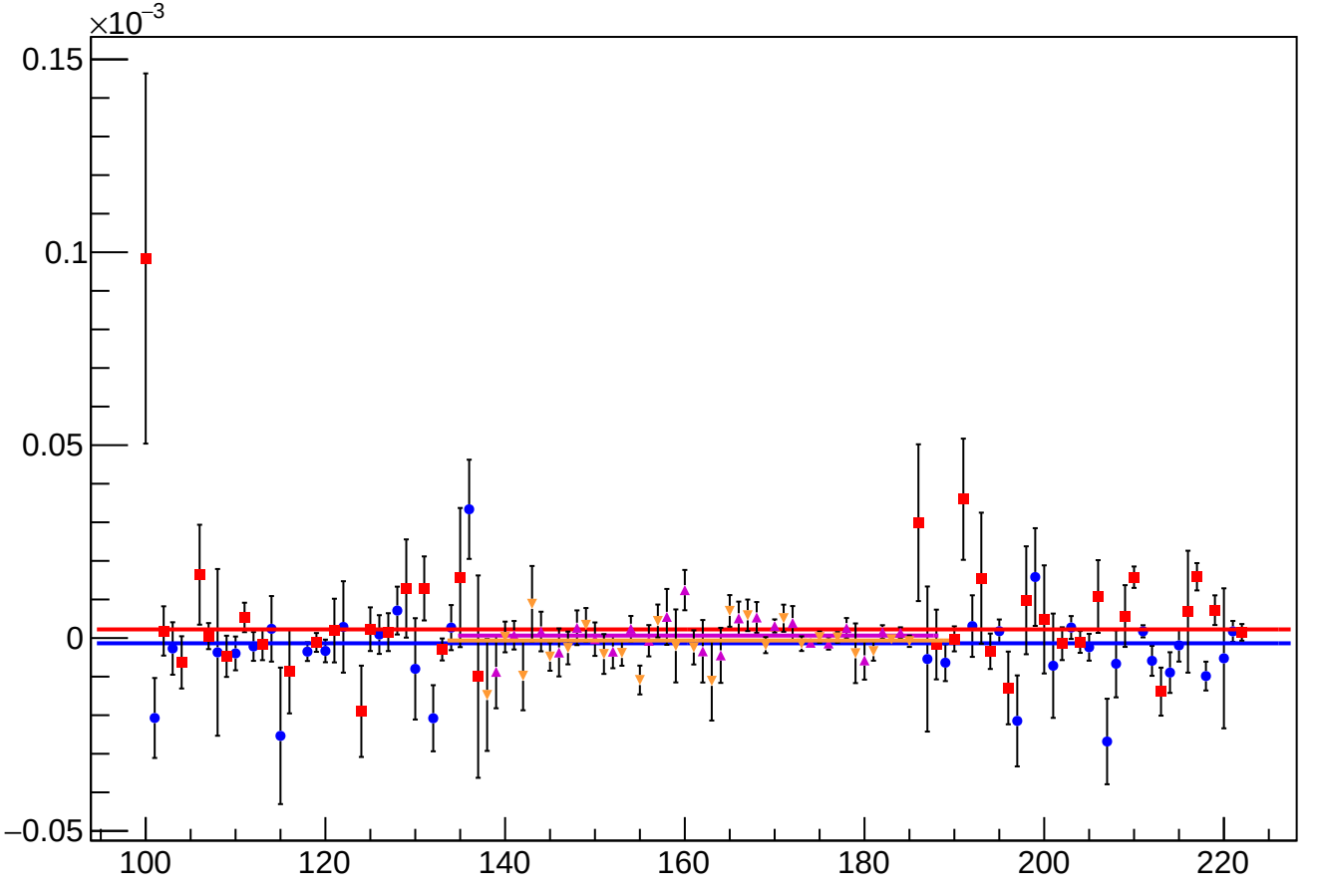
Right: 32.021+/-0.004 χ^2/NDF: 12235371.4/71

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.680+/-0.005 χ^2/NDF:19434078.3/62

All: 32.832+/-0.003 χ^2/NDF: 33818985.3/119

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.7/37

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

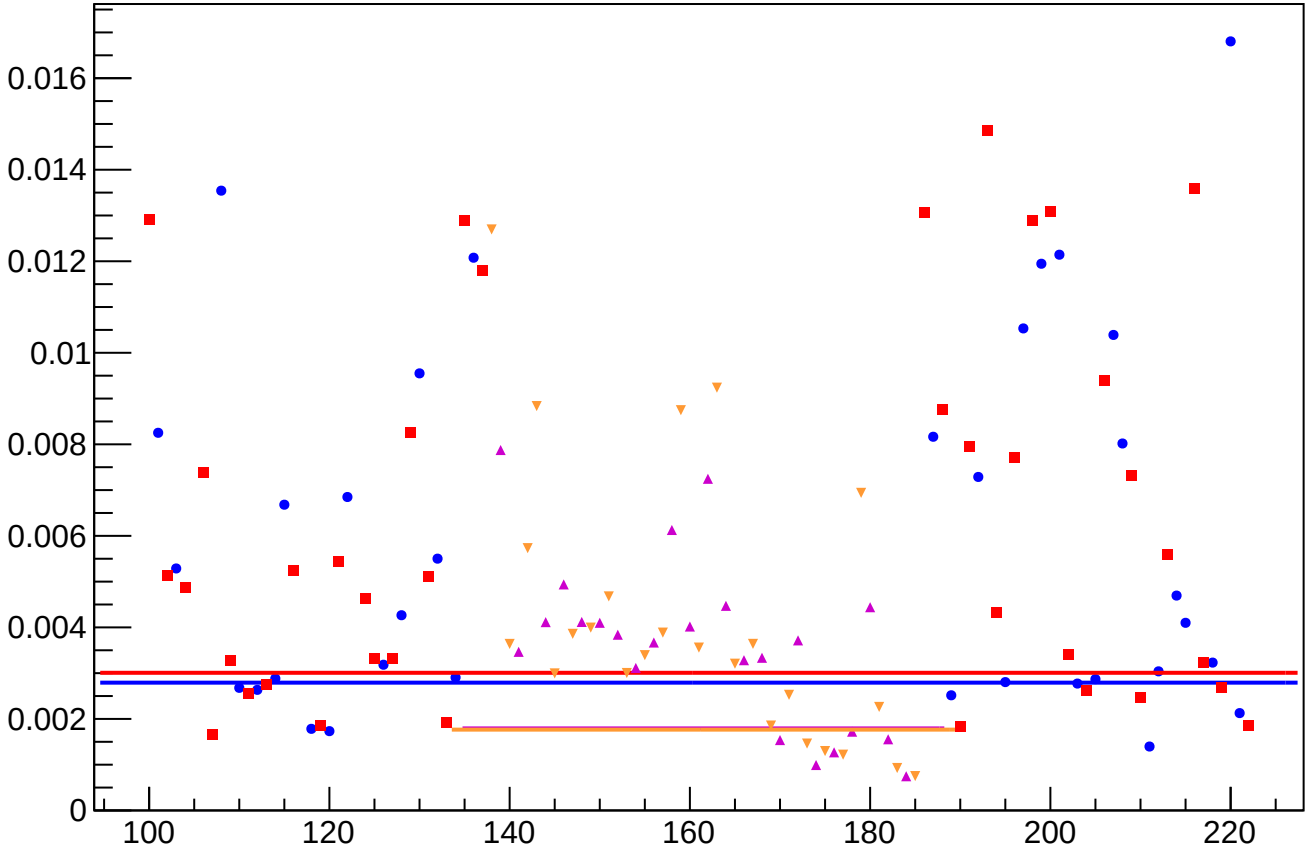
Right: 0.000+/-0.000 χ^2/NDF: 148.3/71

In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.6/62

All: 0.000+/-0.000 χ^2/NDF: 201.9/119

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: 12274895.8/37

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

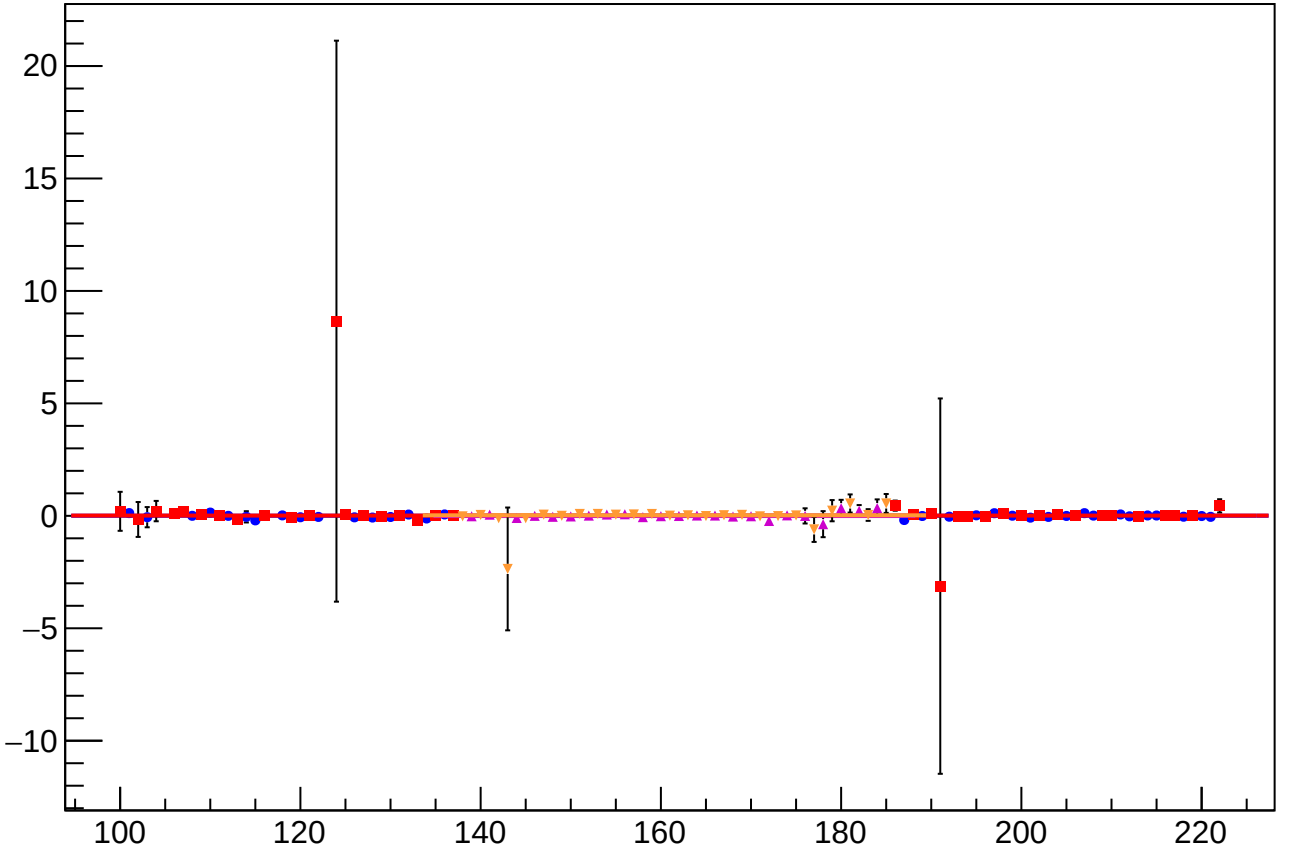
Right: 0.003+/-0.000 χ^2/NDF: 25220814.7/71

In: 0.002+/-0.000 χ^2/NDF:25947141.6/56

Out: 0.002+/-0.000 χ^2/NDF:28732741.3/62

All: 0.002+/-0.000 χ^2/NDF: 54679930.5/119

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

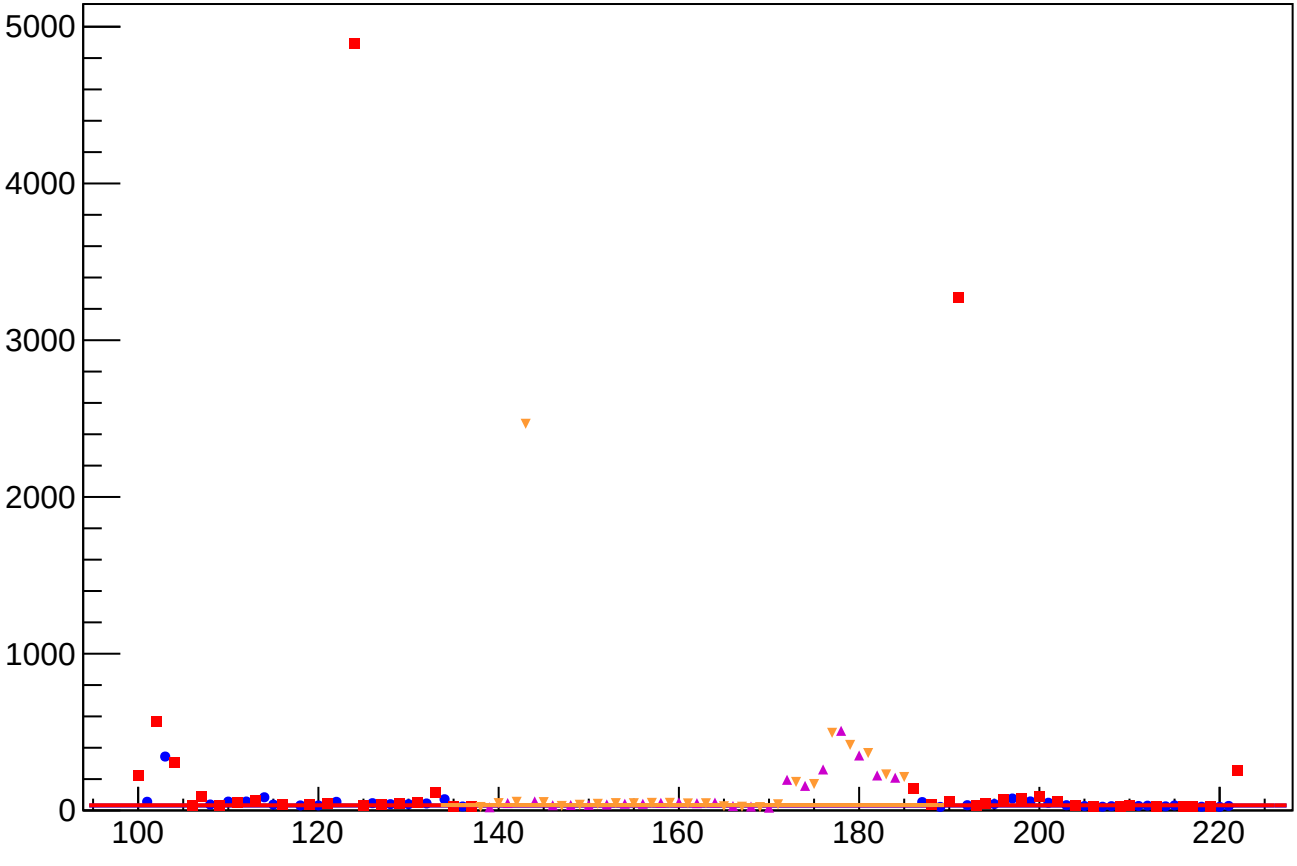
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002737.5/37

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

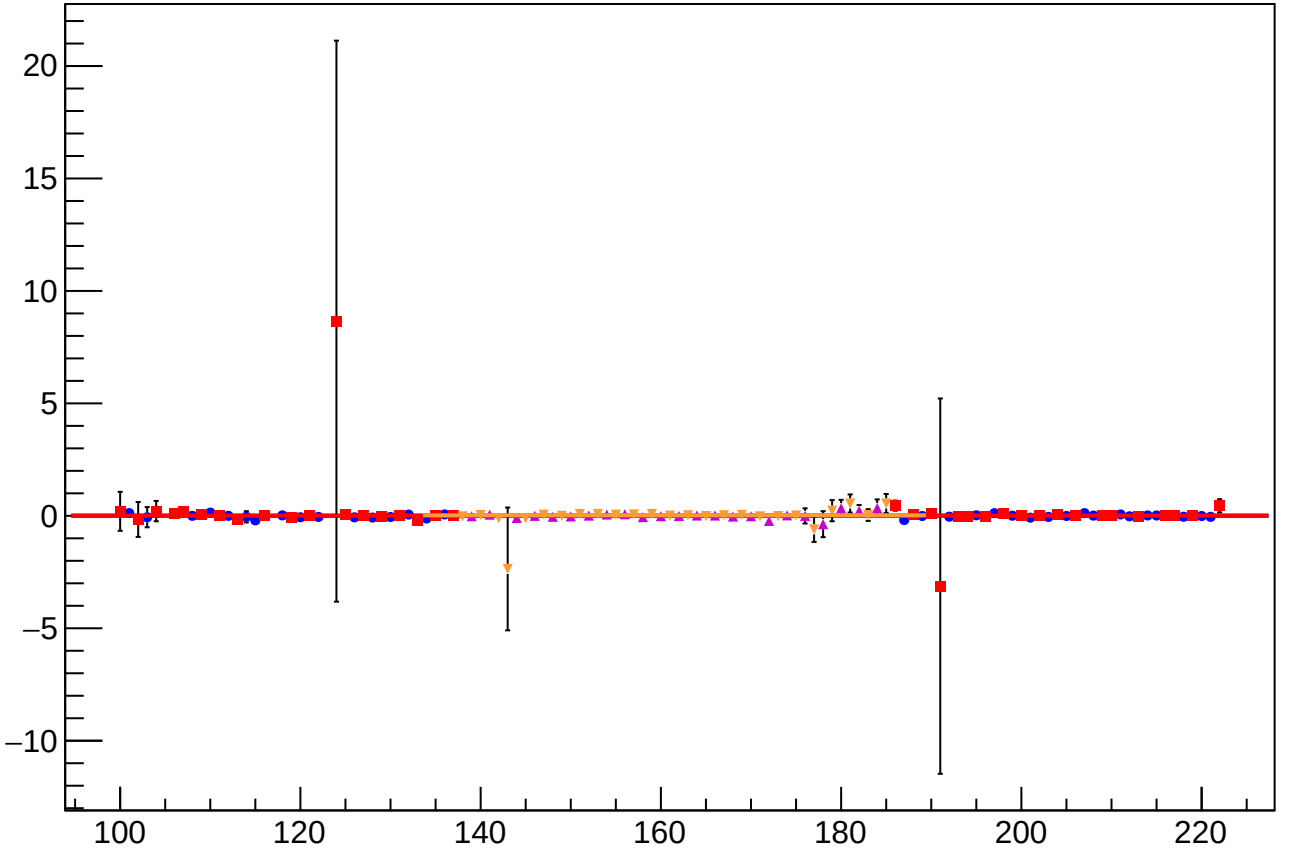
Right: 32.023+/-0.004 χ^2/NDF: 12234032.7/71

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.680+/-0.005 χ^2/NDF:19434081.9/62

All: 32.834+/-0.003 χ^2/NDF: 33816347.9/119

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

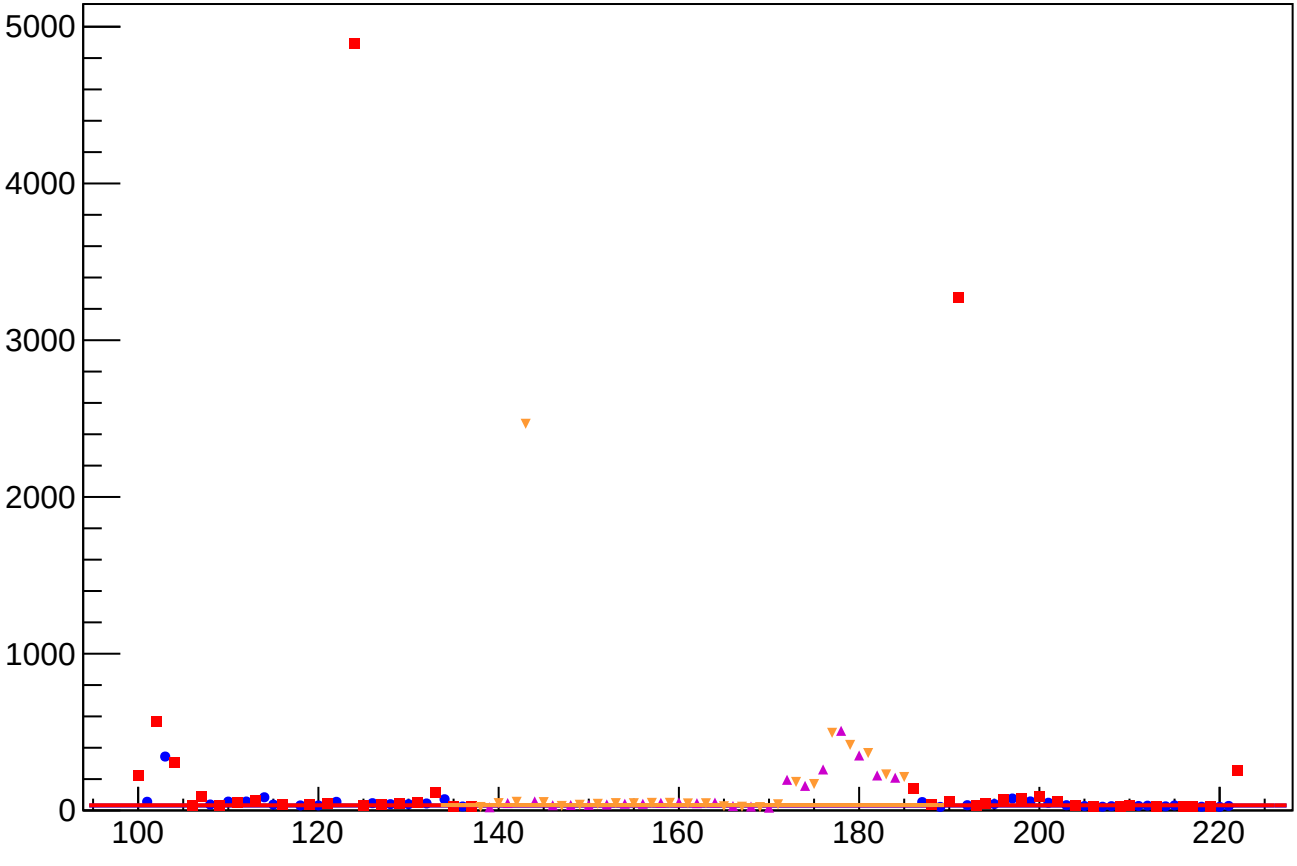
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002737.5/37

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

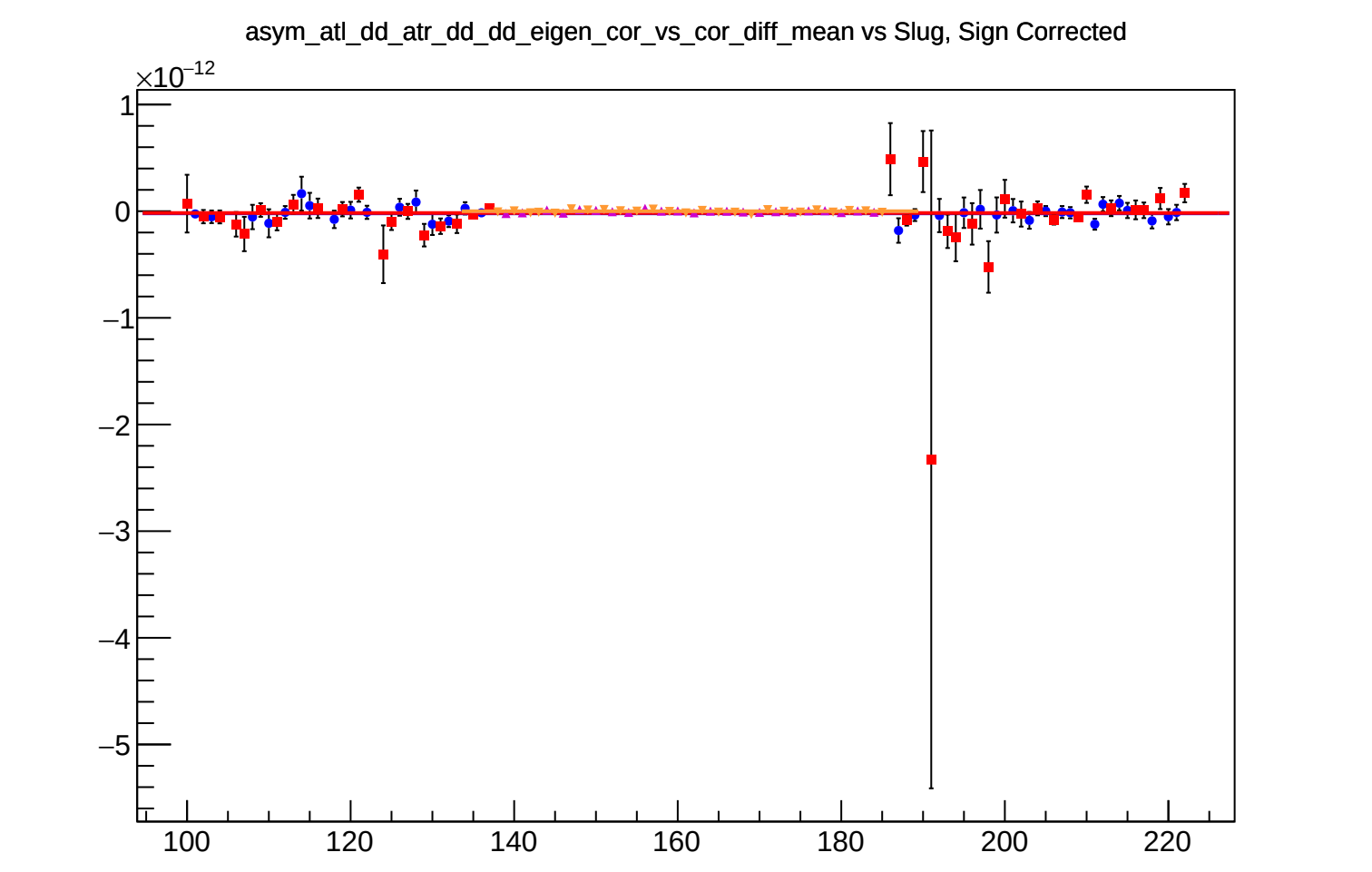
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 32.023+/-0.004 χ^2/NDF: 12234032.7/71

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.680+/-0.005 χ^2/NDF:19434081.9/62

All: 32.834+/-0.003 χ^2/NDF: 33816347.9/119



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.6/37

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

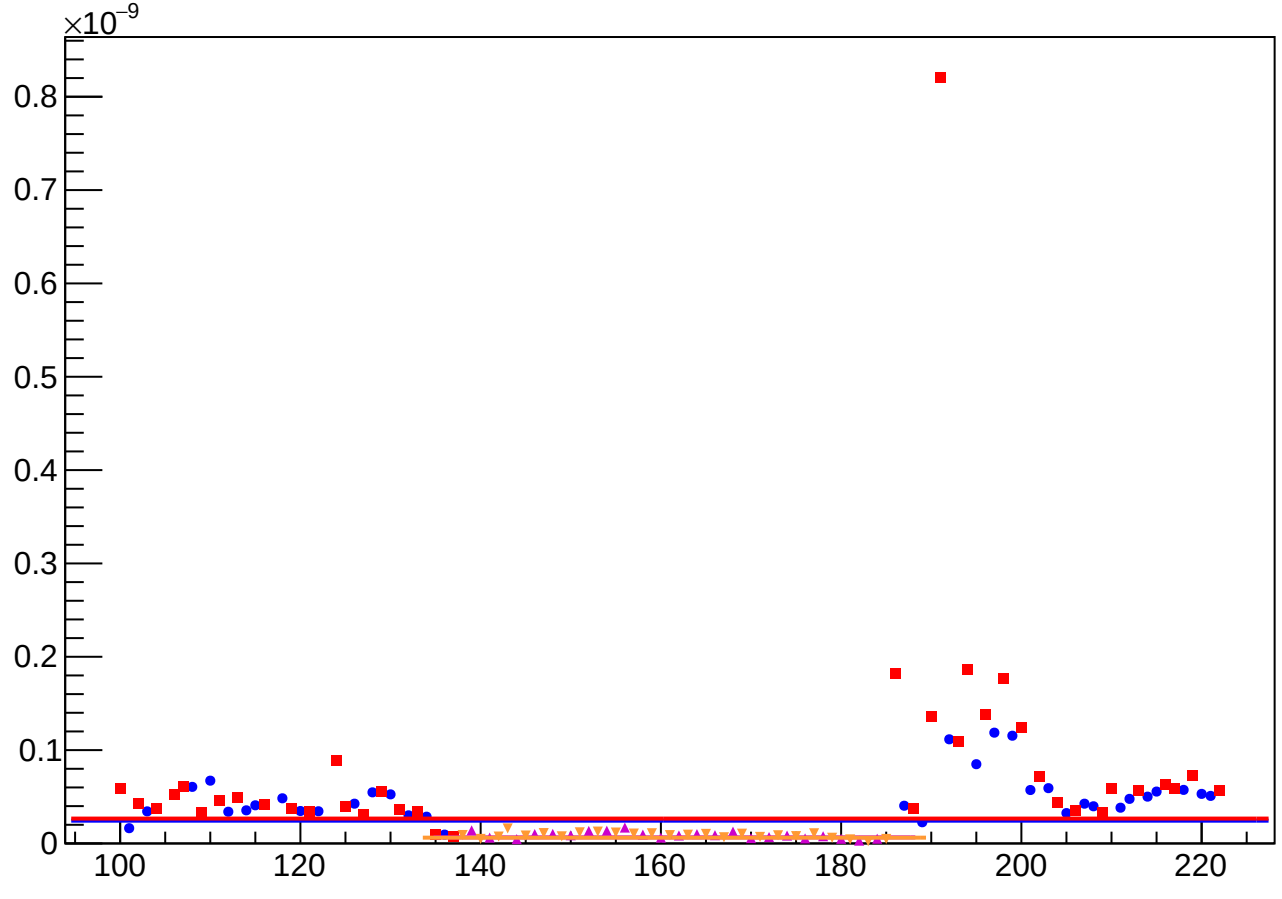
Right: -0.000+/-0.000 χ^2/NDF: 78.0/71

In: -0.000+/-0.000 χ^2/NDF:44.7/56

Out: -0.000+/-0.000 χ^2/NDF:86.6/62

All: -0.000+/-0.000 χ^2/NDF: 131.9/119

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9608803.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11954598.7/37

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

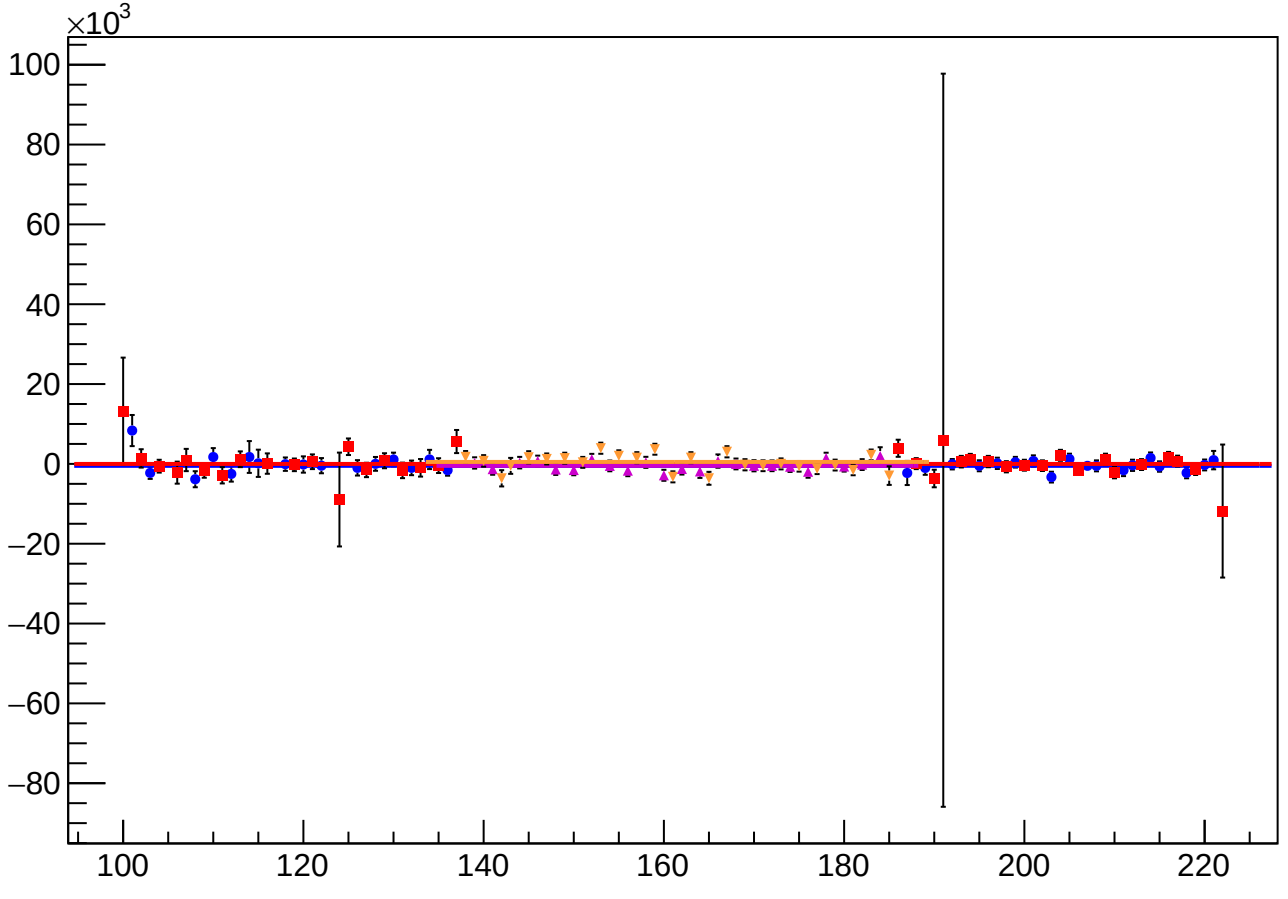
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21624333.7/71

In: 0.000+/-0.000 χ^2/NDF:21914249.1/56

Out: 0.000+/-0.000 χ^2/NDF:25855578.7/62

All: 0.000+/-0.000 χ^2/NDF: 47818211.6/119



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: -13.791+/-281.930 χ^2/NDF: 34.0/37

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

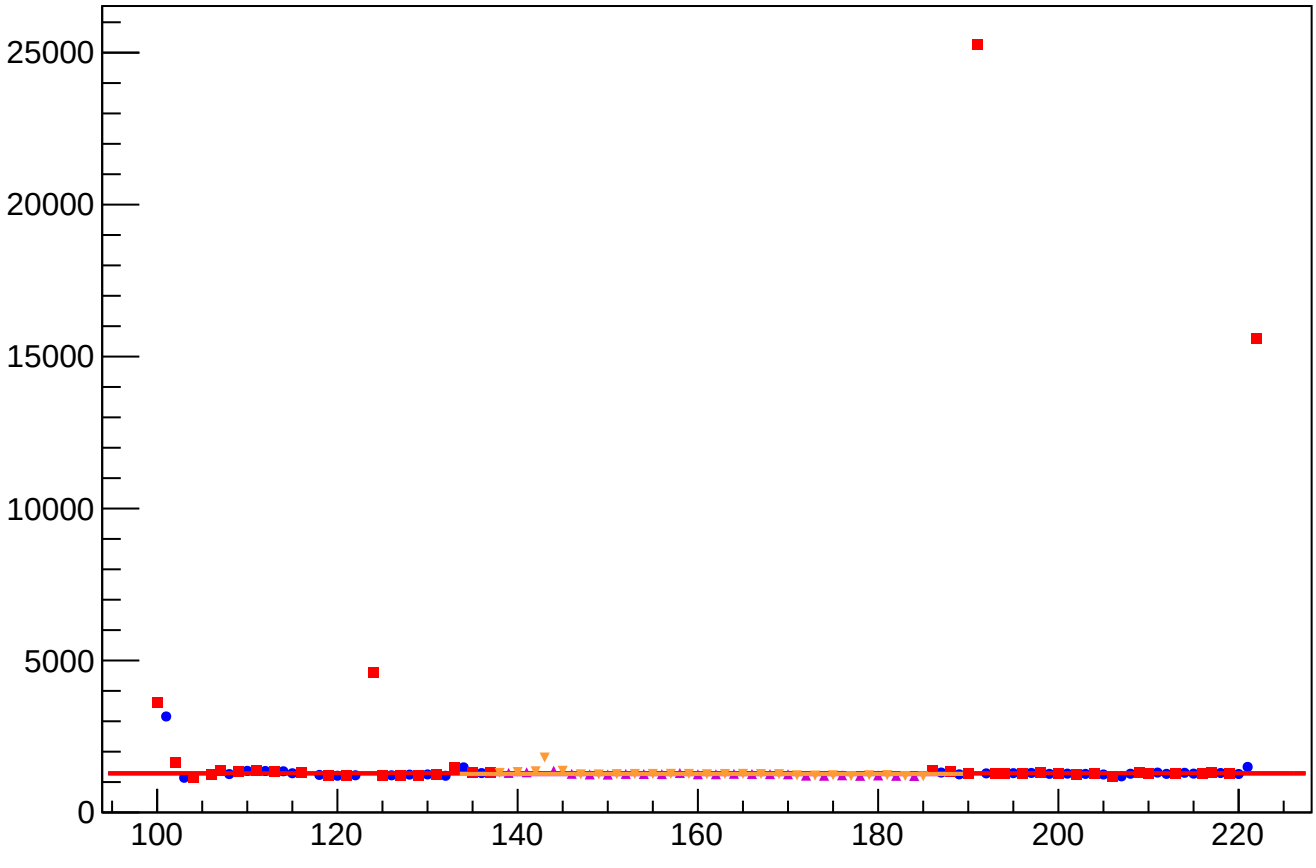
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -253.405+/-198.121 χ^2/NDF: 62.0/71

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 233.314+/-201.636 χ^2/NDF:82.5/62

All: -126.017+/-142.742 χ^2/NDF: 129.9/119



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: 1292.577+/-0.199 χ^2/NDF: 1955026.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

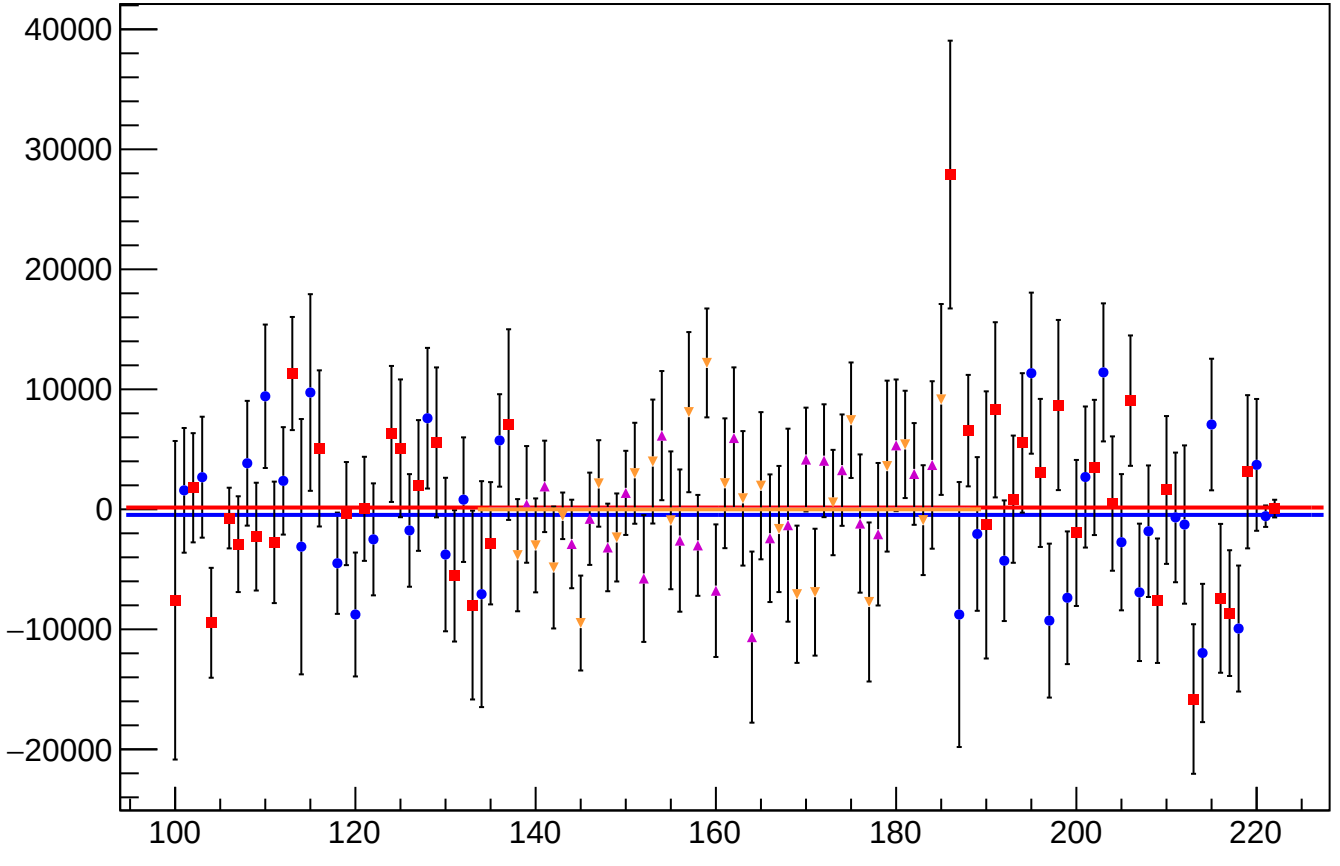
Right: 1287.285+/-0.140 χ^2/NDF: 2505044.3/71

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1280.078+/-0.143 χ^2/NDF:2150640.6/62

All: 1275.296+/-0.101 χ^2/NDF: 2745699.7/11

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: 149.322+/-563.738 χ^2/NDF: 46.9/37

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

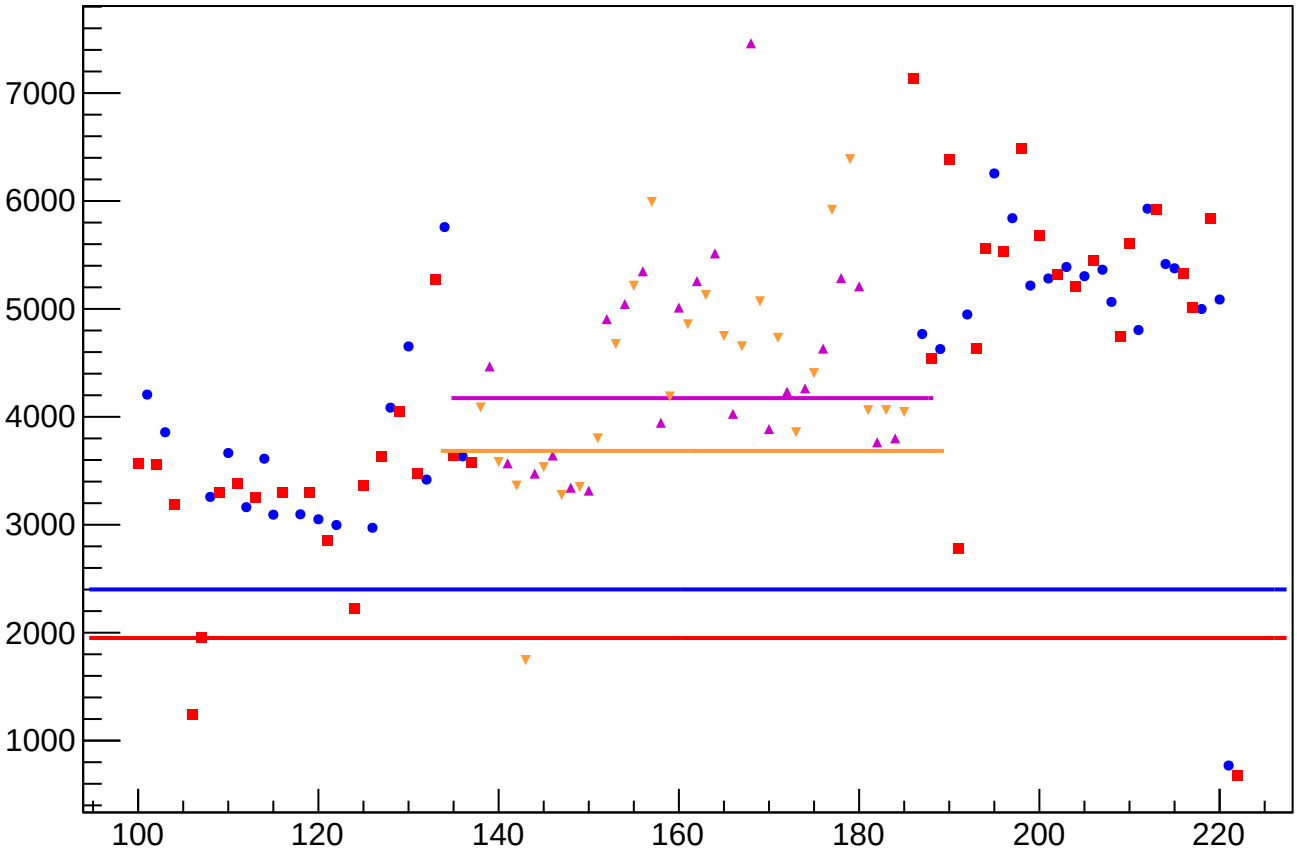
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

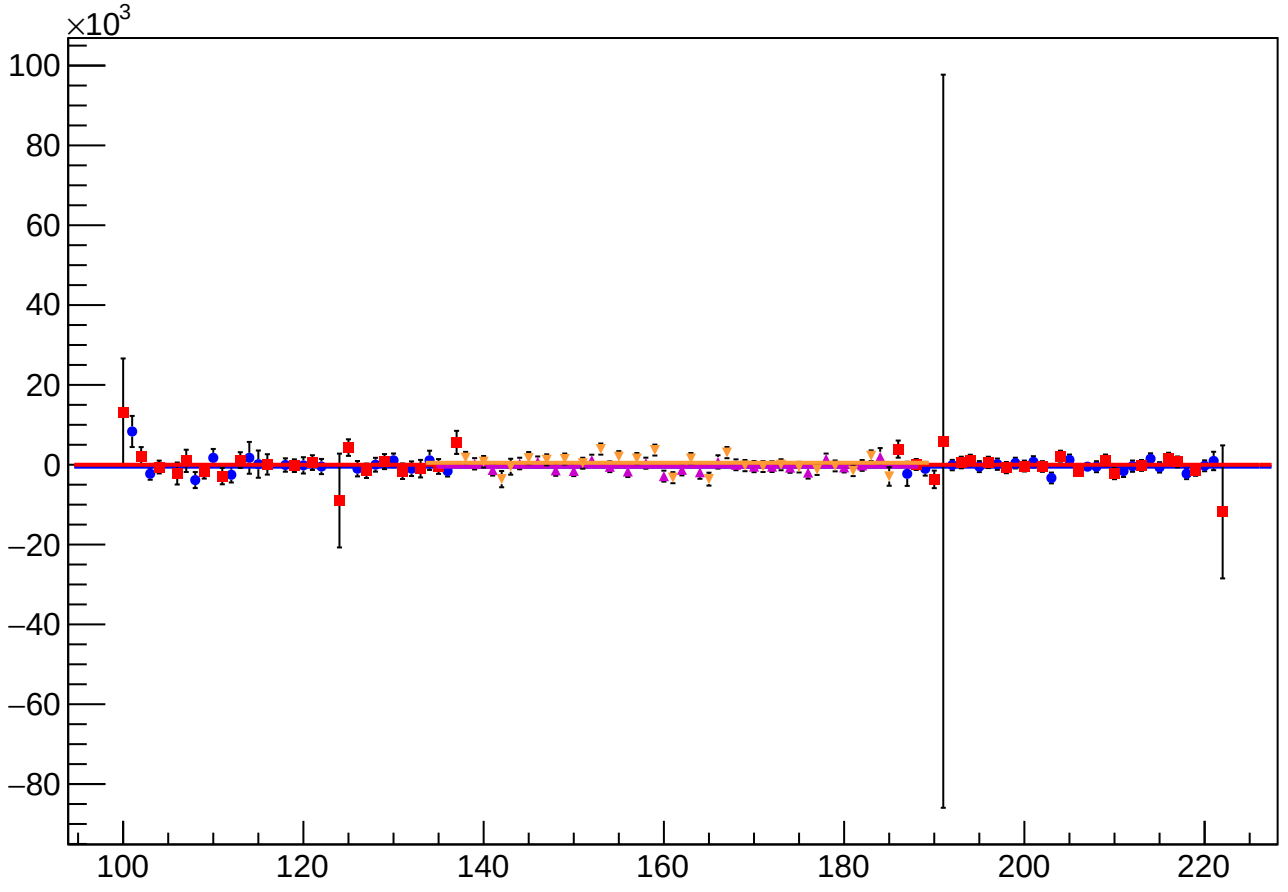
Right: -111.170+/-427.767 χ^2/NDF: 85.9/71

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 106.151+/-475.699 χ^2/NDF:75.9/62

All: -74.407+/-359.285 χ^2/NDF: 129.1/119


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.923+/-0.464 χ²/NDF: 16646929.0/33
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 1950.927+/-0.399 χ²/NDF: 20070498.2/37
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 2141.822+/-0.302 χ²/NDF: 37258031.3/71
In: 2938.607+/-0.388 χ²/NDF:22341141.1/56
Out: 2450.189+/-0.336 χ²/NDF:29211841.7/62
All: 2659.991+/-0.254 χ²/NDF: 52458650.9/1



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

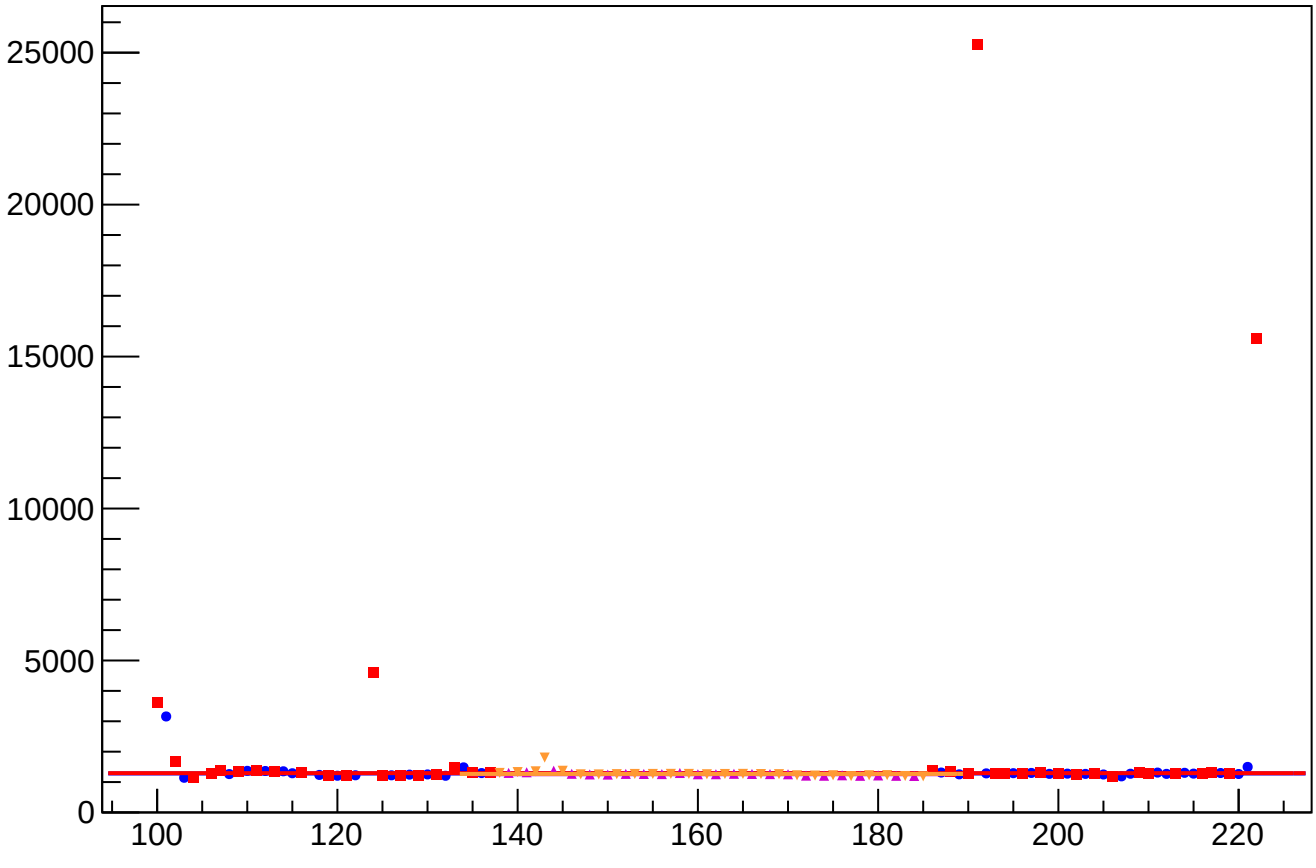
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

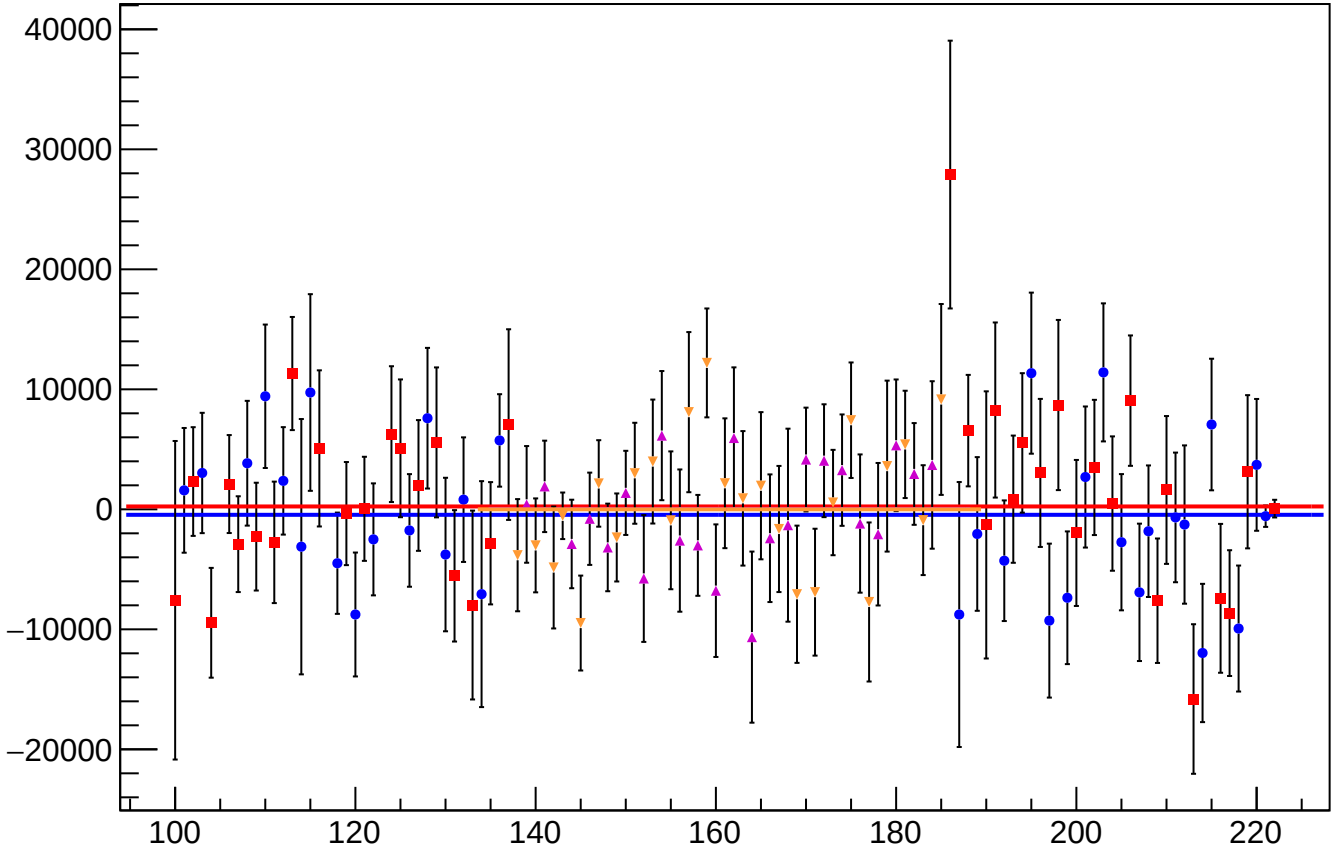
Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11

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: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

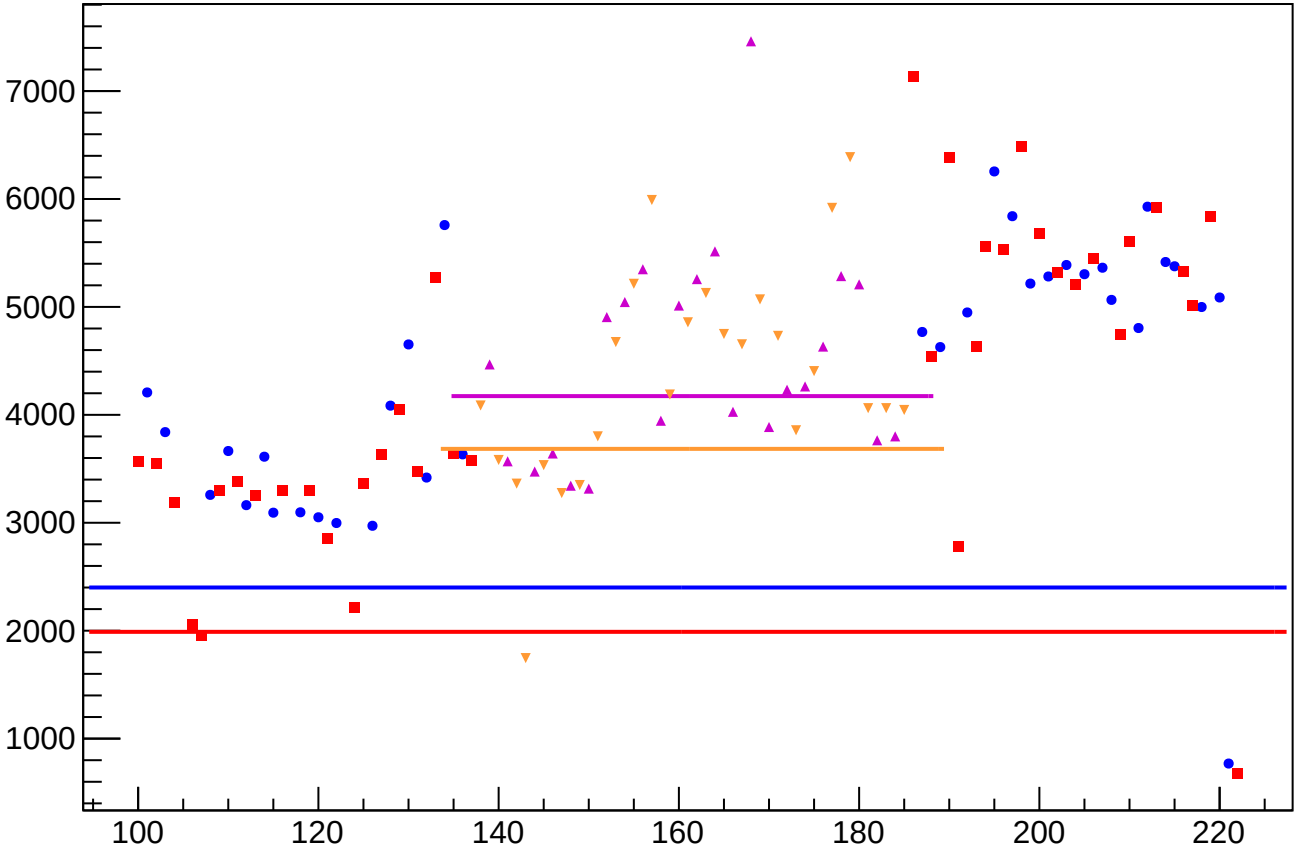
Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119

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: 1989.360+/-0.405 χ^2/NDF: 19904252.1/37

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

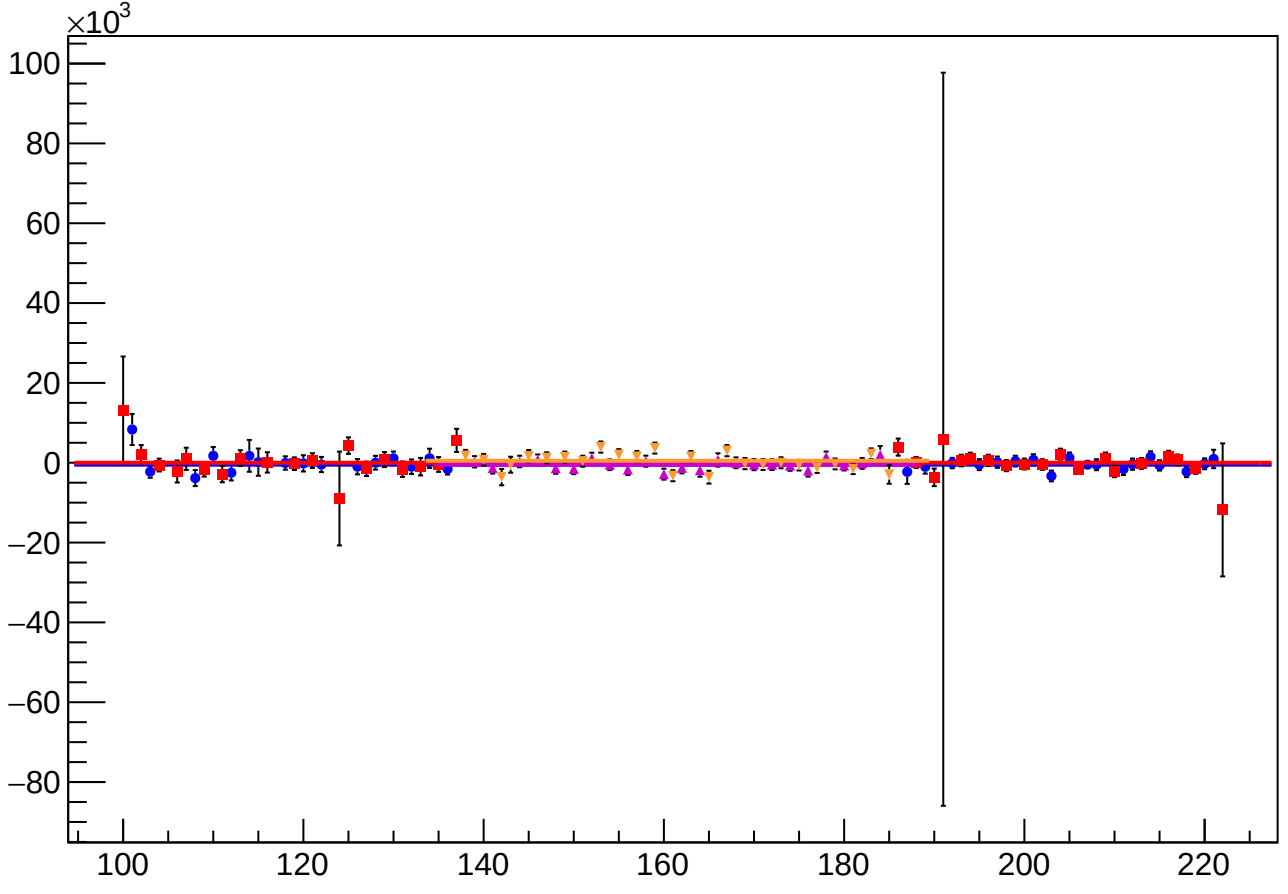
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2166.806+/-0.305 χ^2/NDF: 37000180.2/71

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 2488.345+/-0.340 χ^2/NDF:28760207.2/62

All: 2683.921+/-0.256 χ^2/NDF: 51869895.7/1



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: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

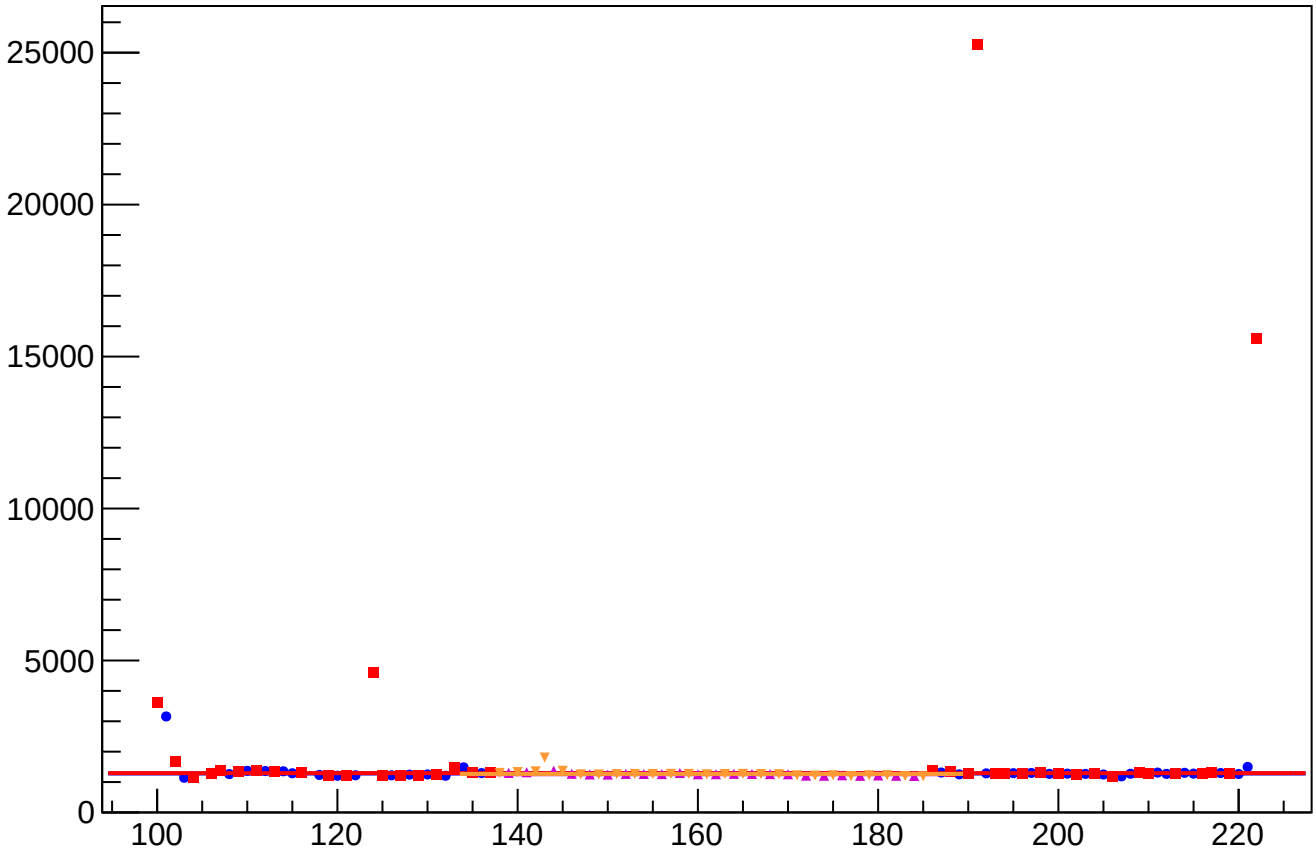
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

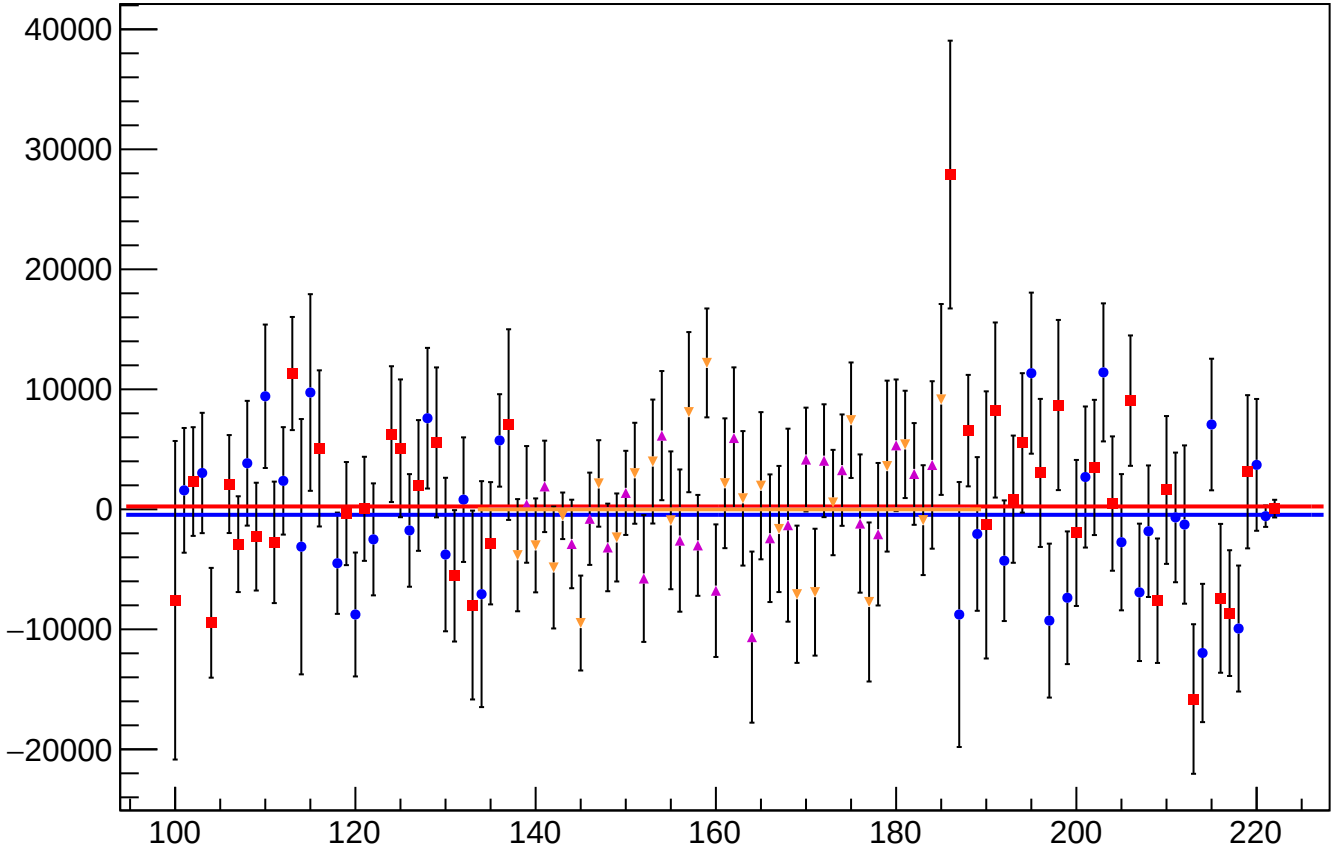
Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11

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: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

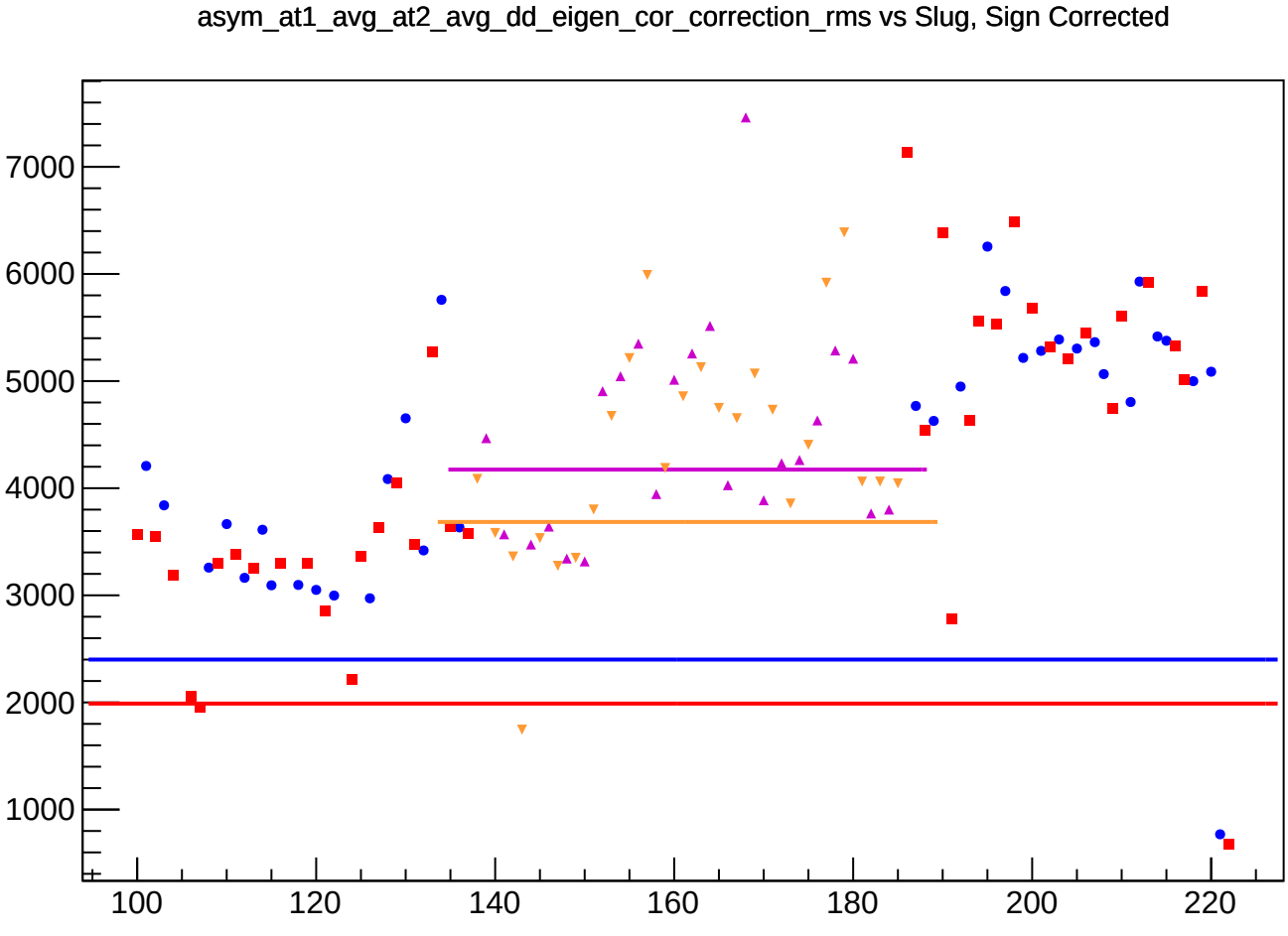
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119



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: 1989.360+/-0.405 χ^2/NDF: 19904252.1/37

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

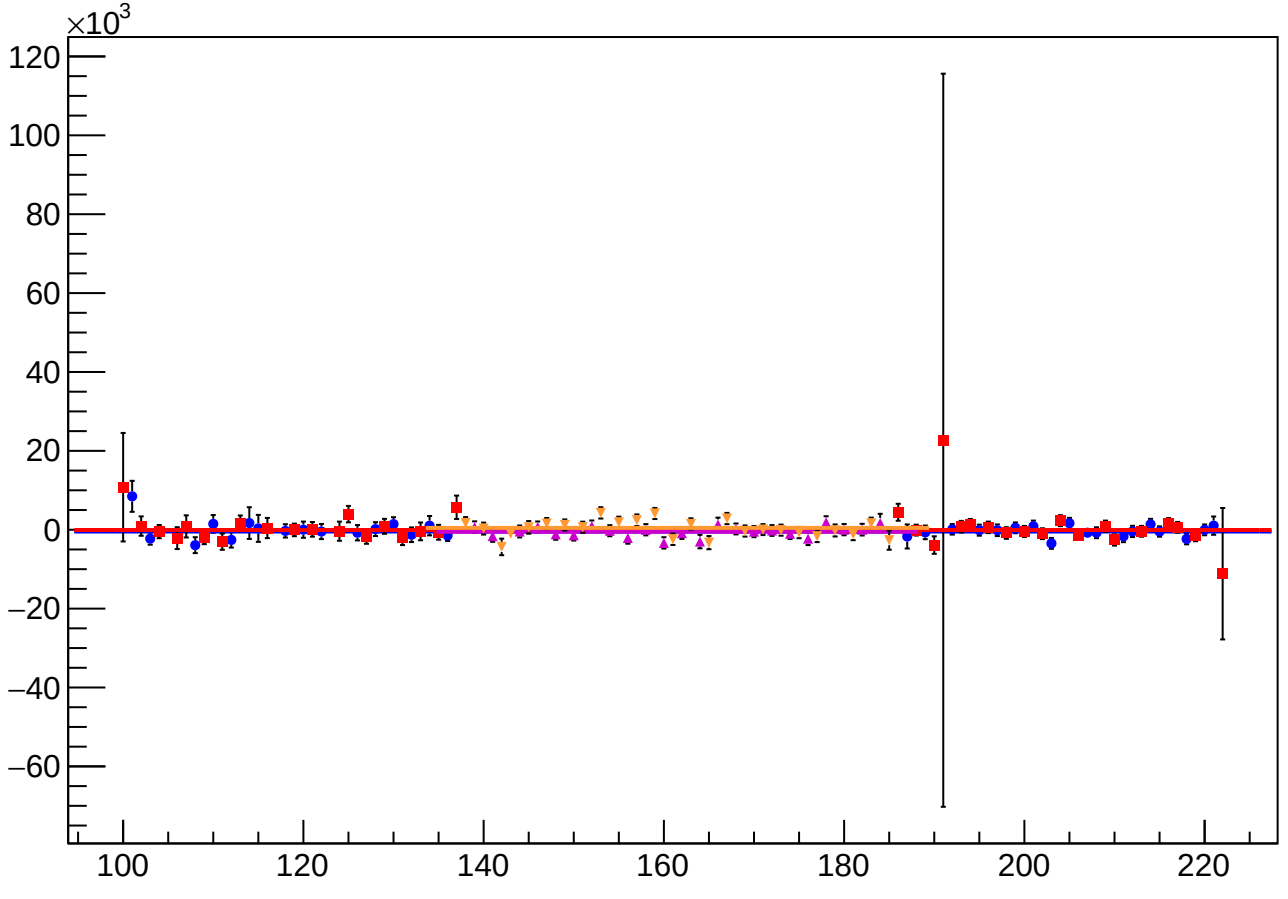
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2166.806+/-0.305 χ^2/NDF: 37000180.2/71

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 2488.345+/-0.340 χ^2/NDF:28760207.2/62

All: 2683.921+/-0.256 χ^2/NDF: 51869895.7/1



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: -69.458+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

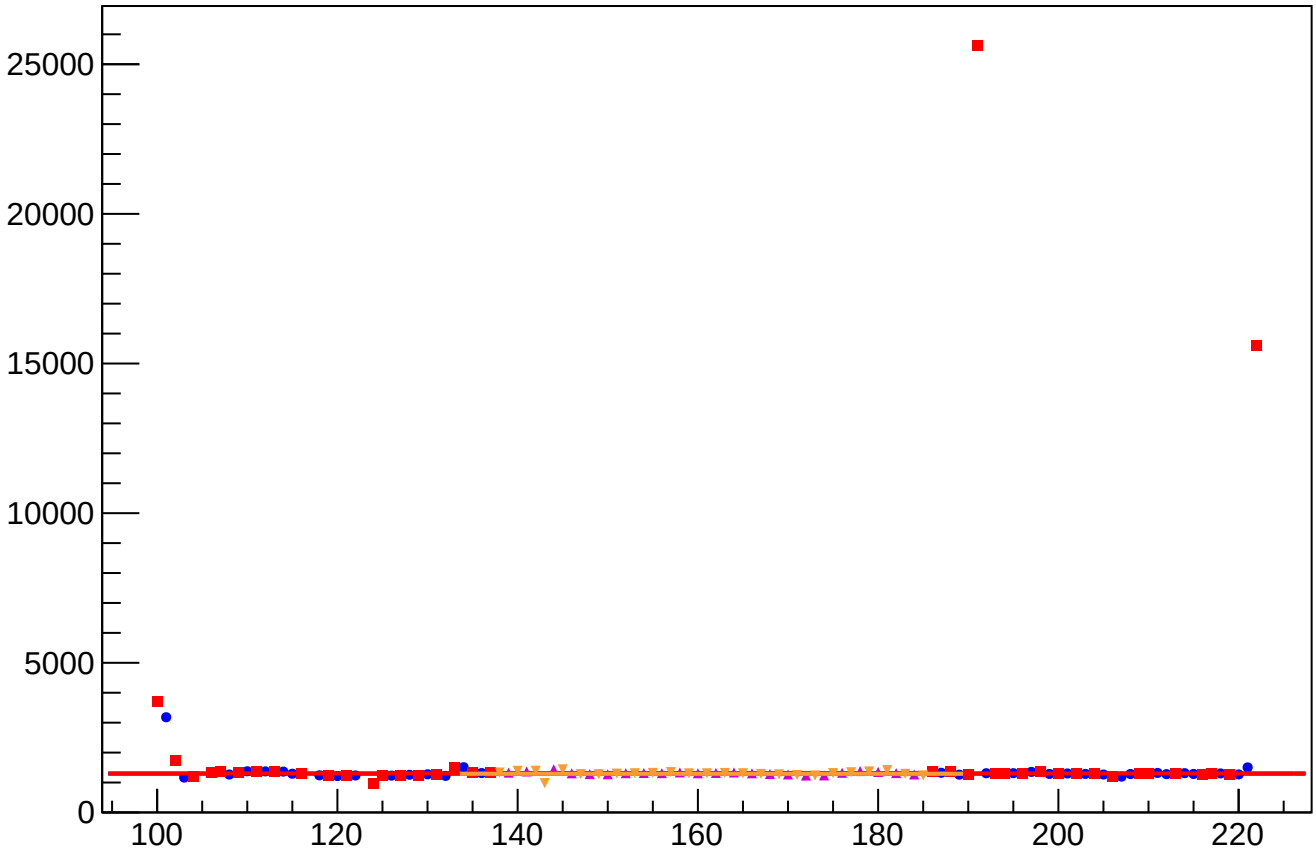
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 189.729+/-204.357 χ^2/NDF:81.4/62

All: -136.635+/-145.637 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

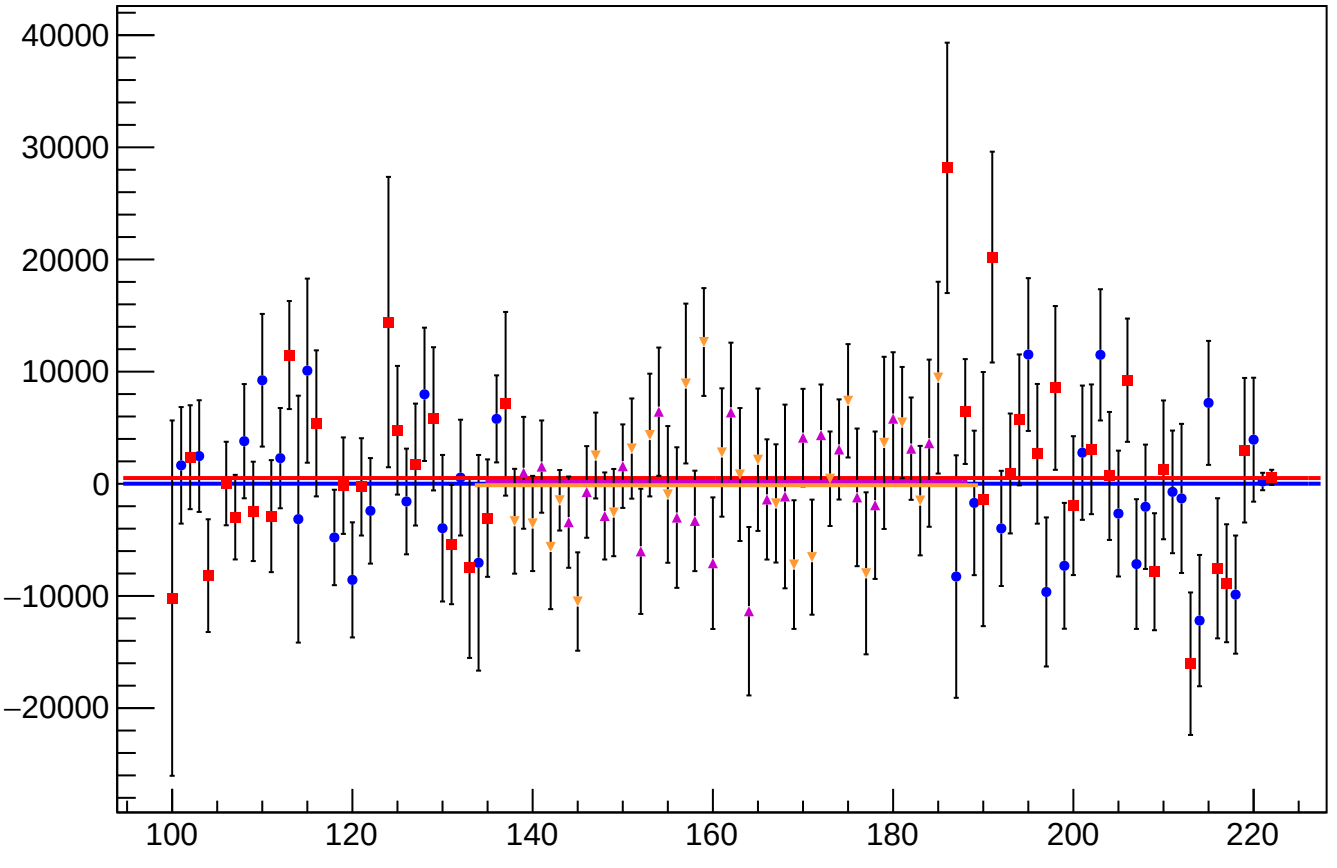
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1300.437+/-0.141 χ^2/NDF: 2396463.4/71

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1297.675+/-0.144 χ^2/NDF:2081273.4/62

All: 1301.229+/-0.103 χ^2/NDF: 2676055.7/11



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: 512.135+/-544.063 χ^2/NDF: 48.5/37

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

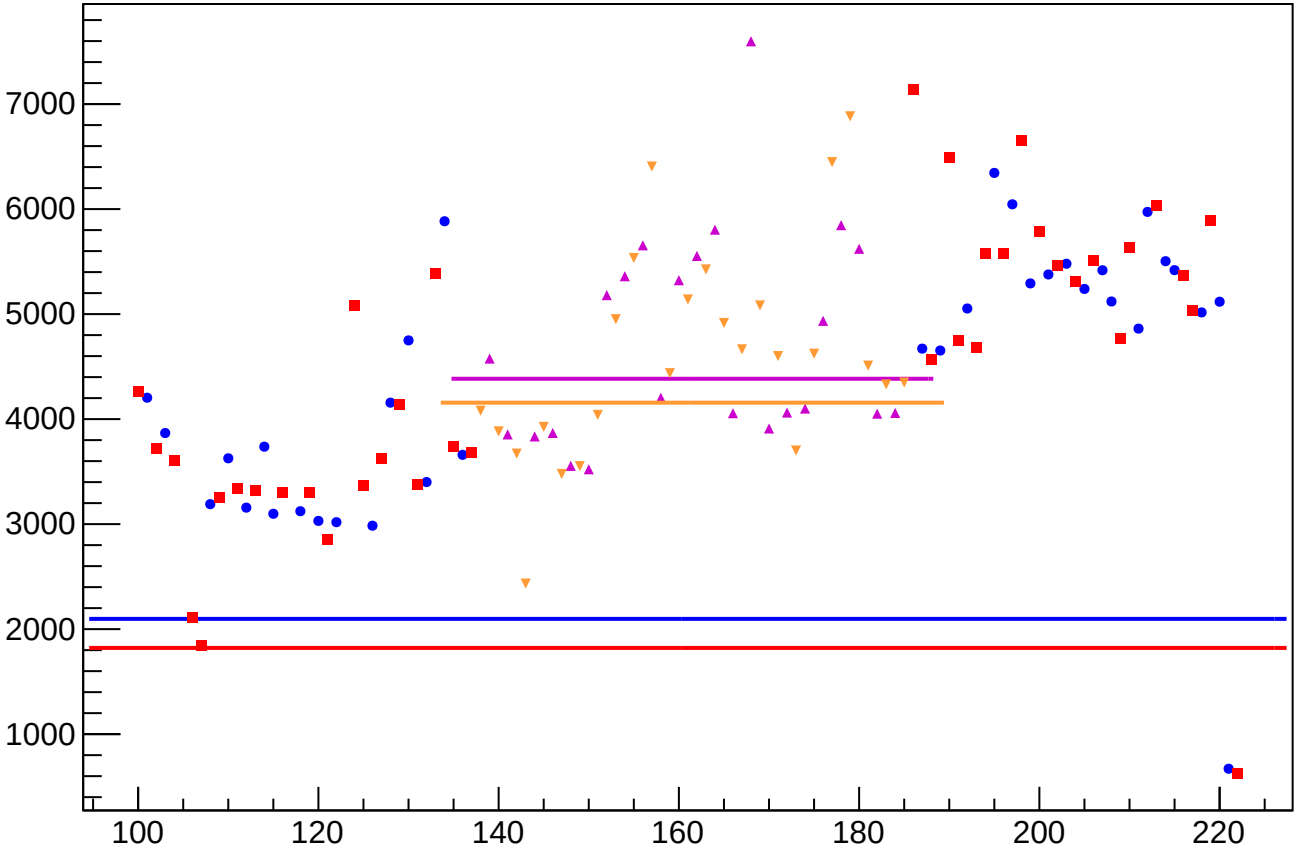
Right: 287.987+/-405.355 χ^2/NDF: 87.6/71

In: 46.484+/-525.409 χ^2/NDF:52.4/56

Out: 360.840+/-475.357 χ^2/NDF:77.4/62

All: 219.345+/-352.499 χ^2/NDF: 130.1/119

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: 1821.116+/-0.385 χ^2/NDF: 22137852.6/37

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

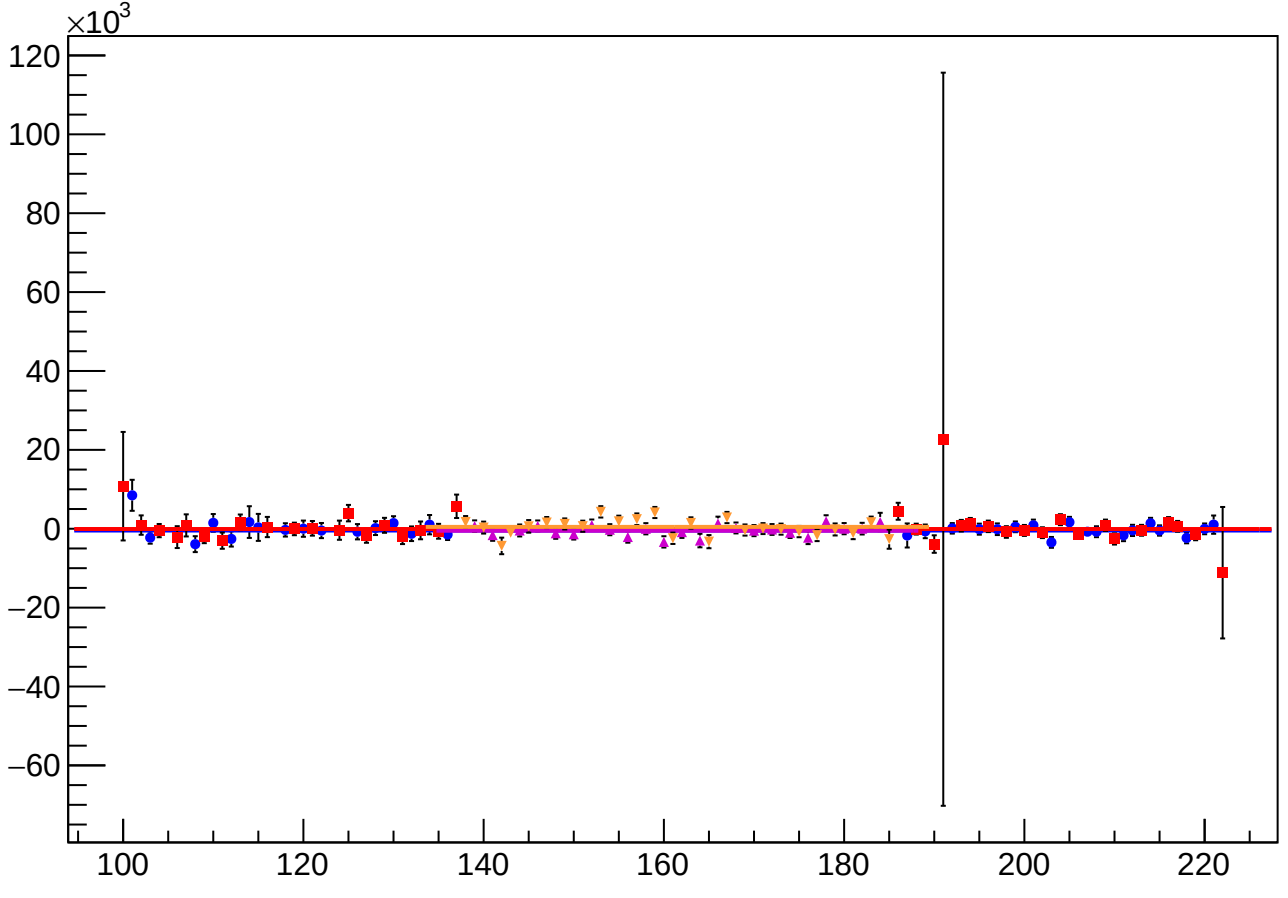
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 1944.162+/-0.287 χ^2/NDF: 41938749.6/71

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 2373.727+/-0.336 χ^2/NDF:32938791.4/62

All: 2509.409+/-0.249 χ^2/NDF: 61277986.6/



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: -69.459+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

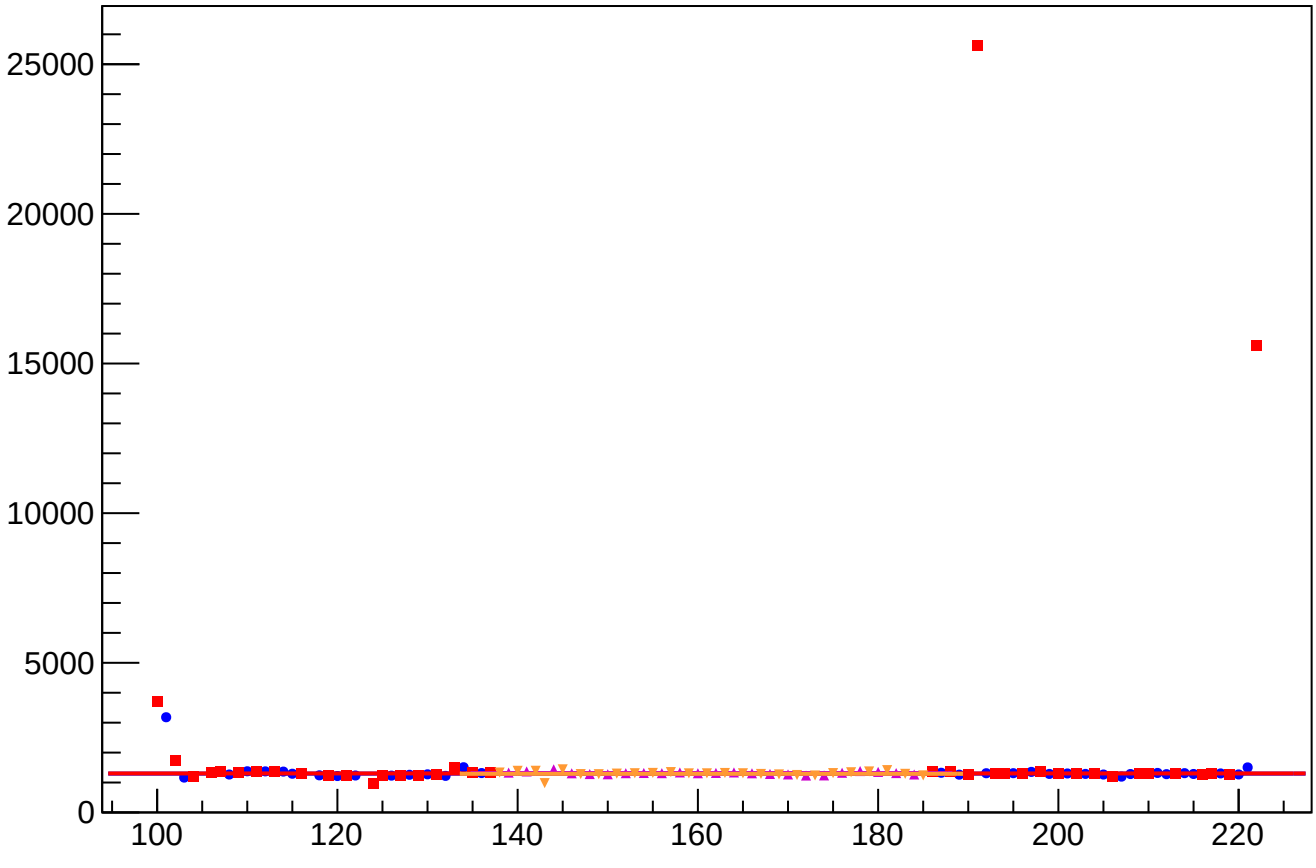
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 189.730+/-204.357 χ^2/NDF:81.4/62

All: -136.634+/-145.638 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

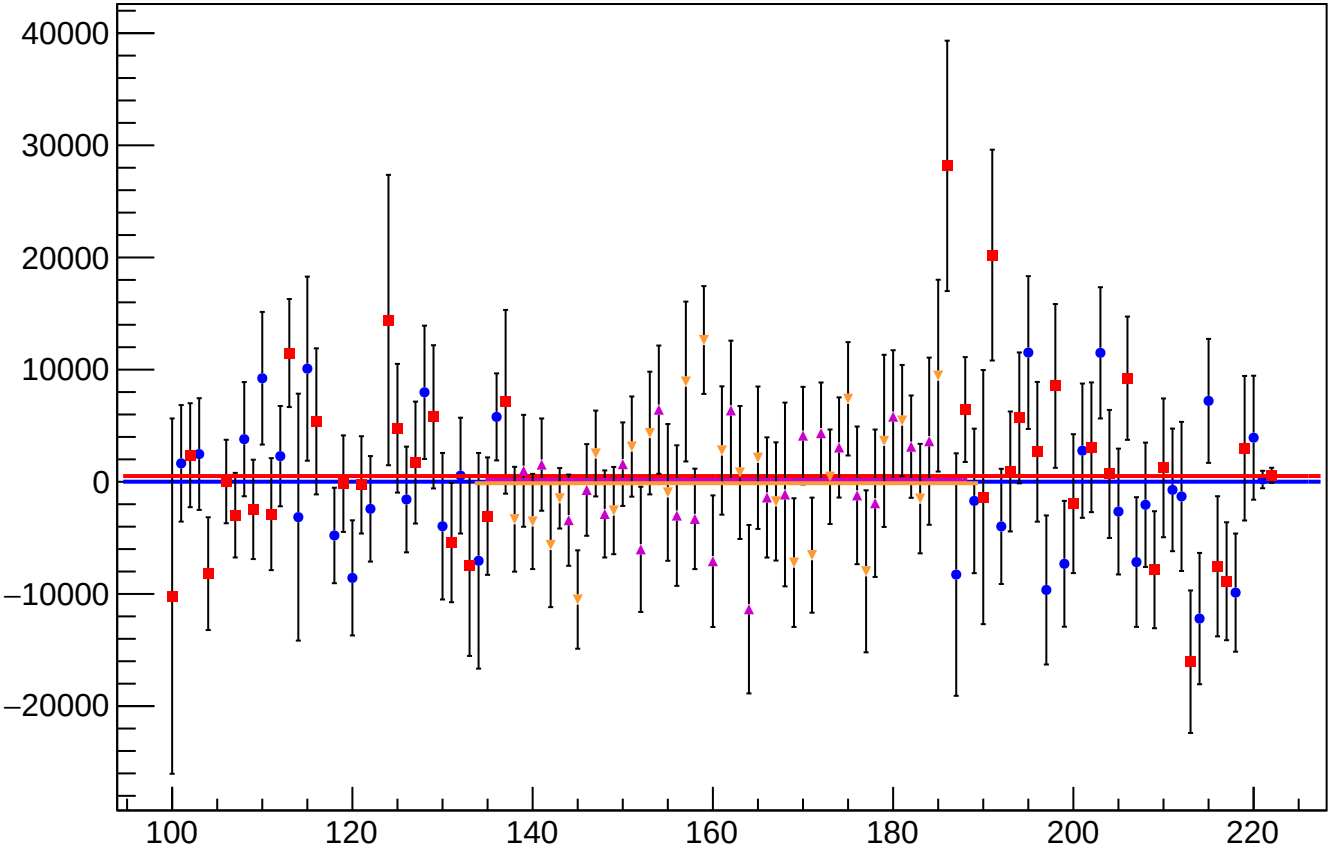
Right: 1300.437+/-0.141 χ^2/NDF: 2396463.6/71

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1297.675+/-0.144 χ^2/NDF:2081275.6/62

All: 1301.230+/-0.103 χ^2/NDF: 2676060.6/11

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: 512.136+/-544.064 χ^2/NDF: 48.5/37

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

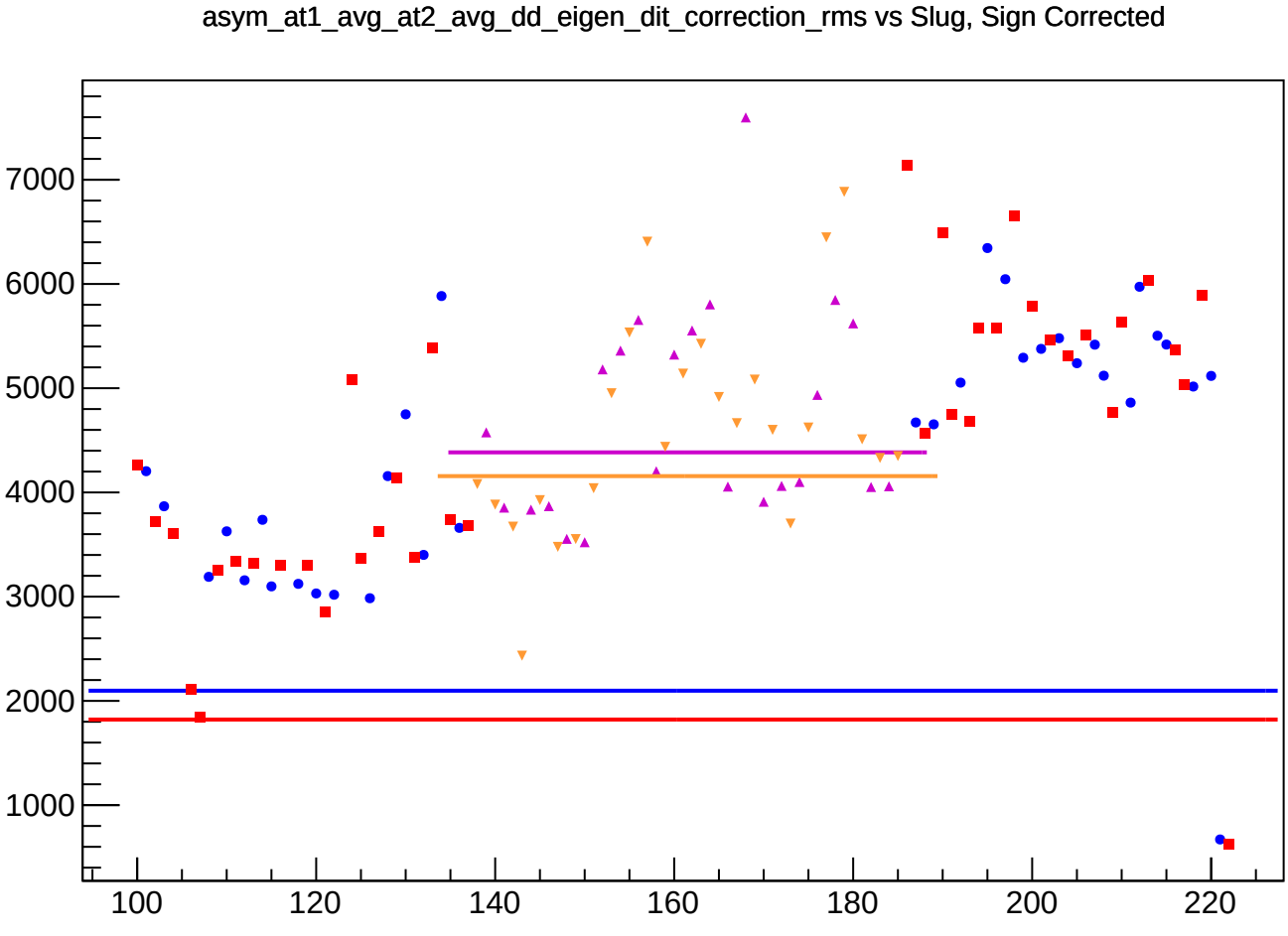
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 287.991+/-405.356 χ^2/NDF: 87.6/71

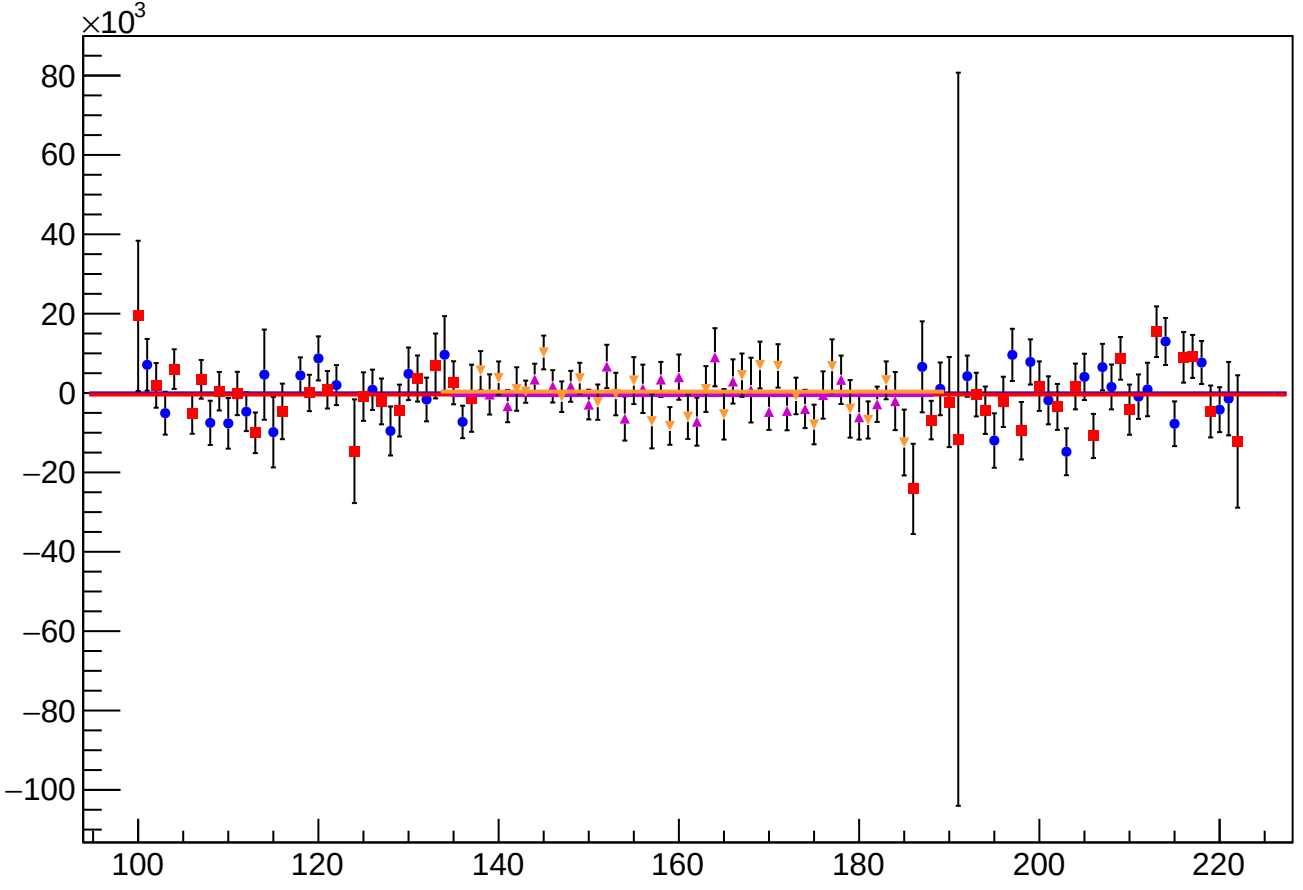
In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 360.842+/-475.359 χ^2/NDF:77.4/62

All: 219.348+/-352.500 χ^2/NDF: 130.1/119


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2097.705+/-0.430 χ²/NDF: 19570803.2/33
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 1821.126+/-0.385 χ²/NDF: 22137753.5/37
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 1944.175+/-0.287 χ²/NDF: 41938503.9/71
In: 2675.184+/-0.372 χ²/NDF:27976943.3/56
Out: 2373.737+/-0.336 χ²/NDF:32938640.4/62
All: 2509.422+/-0.249 χ²/NDF: 61277599.8/1

asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



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: -373.022+/-994.542 χ^2/NDF: 39.6/37

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

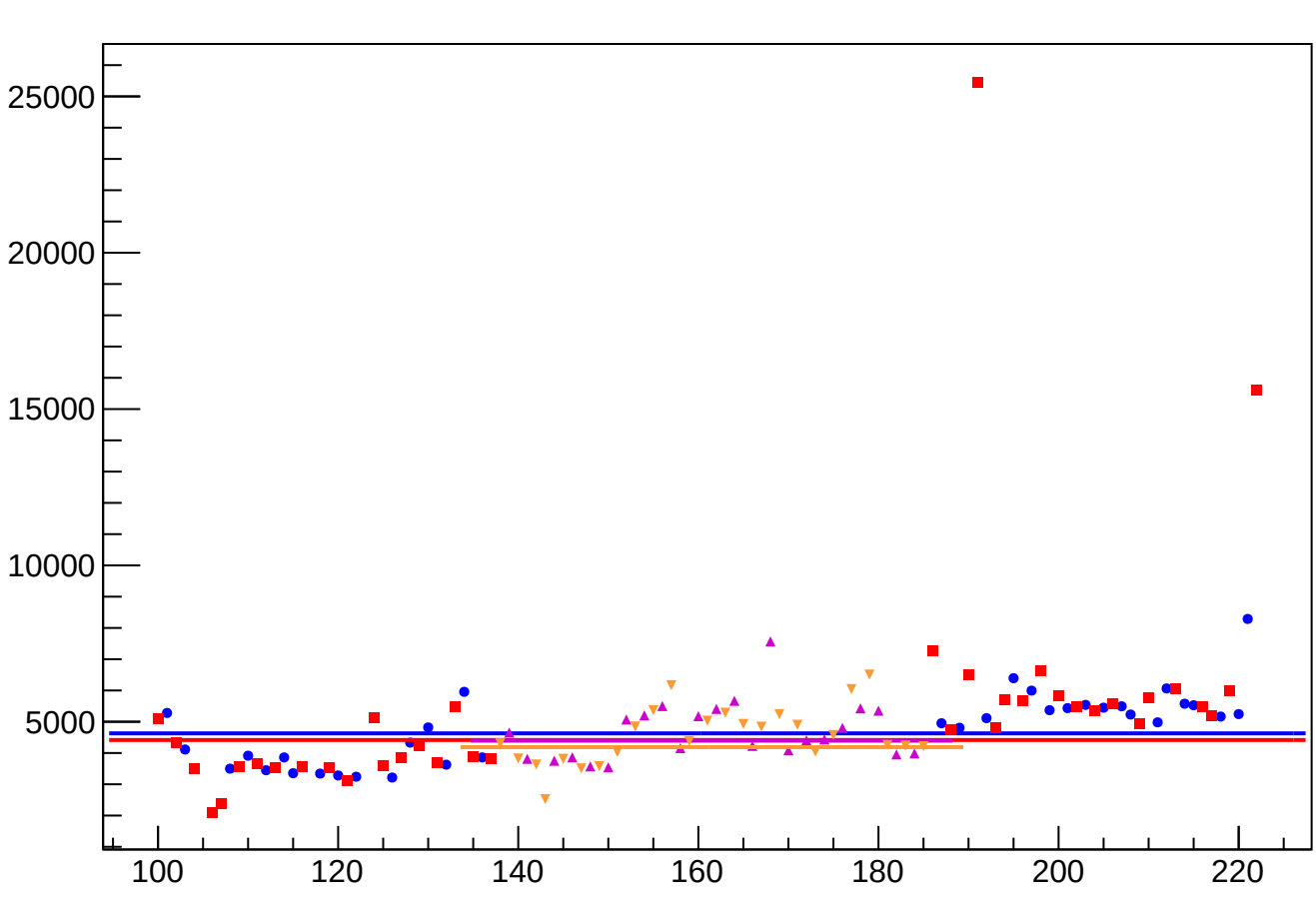
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -232.254+/-711.065 χ^2/NDF: 83.6/71

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 0.222+/-697.999 χ^2/NDF:67.6/62

All: -136.605+/-504.076 χ^2/NDF: 125.6/119



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: 4416.069+/-0.698 χ^2/NDF: 3916787.7/37

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

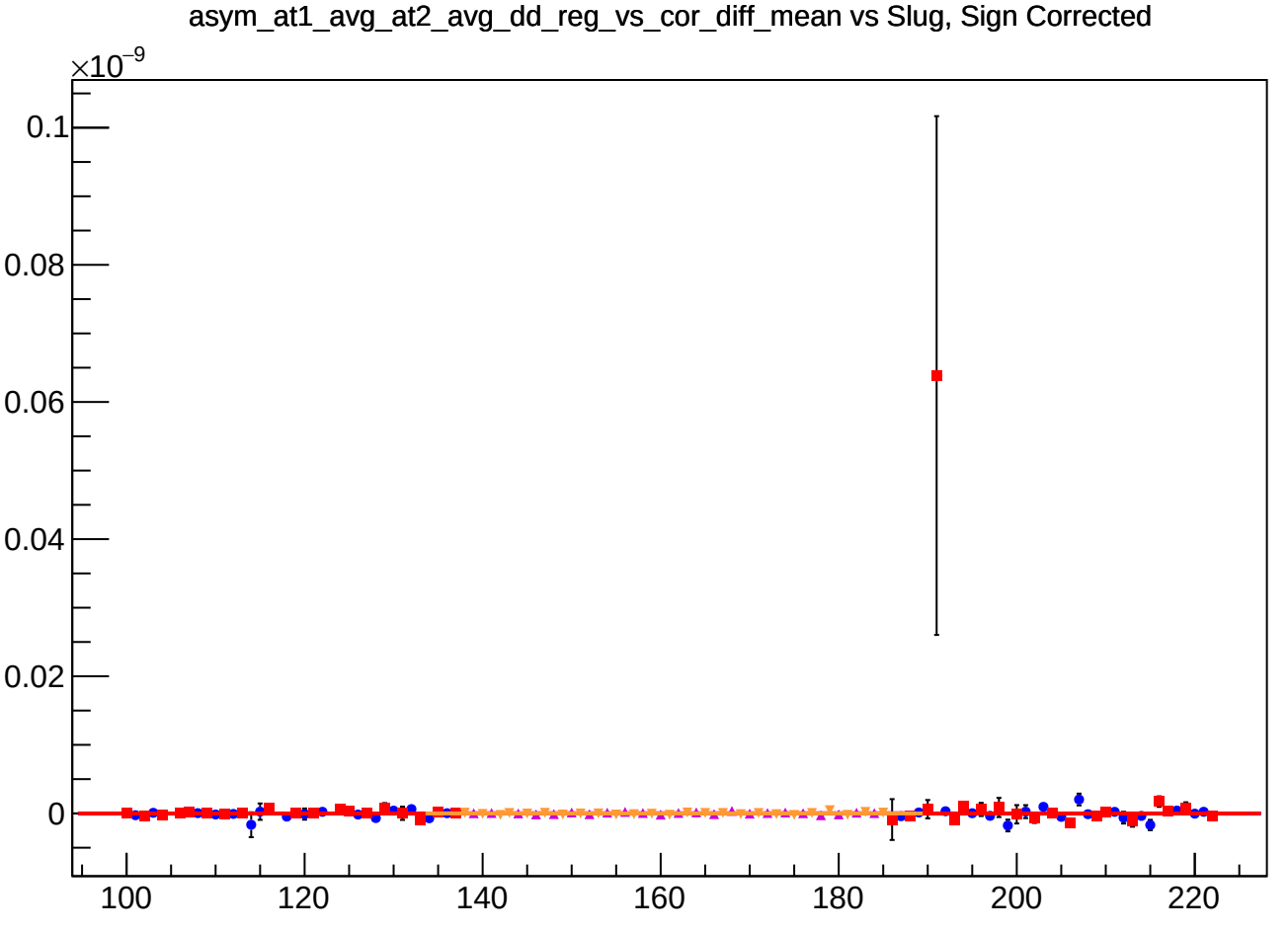
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4519.028+/-0.501 χ^2/NDF: 6056692.9/71

In: 4514.482+/-0.515 χ^2/NDF:3234954.2/56

Out: 4301.135+/-0.492 χ^2/NDF:5766989.7/62

All: 4402.811+/-0.356 χ^2/NDF: 9091669.2/11



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: 44.9/37

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

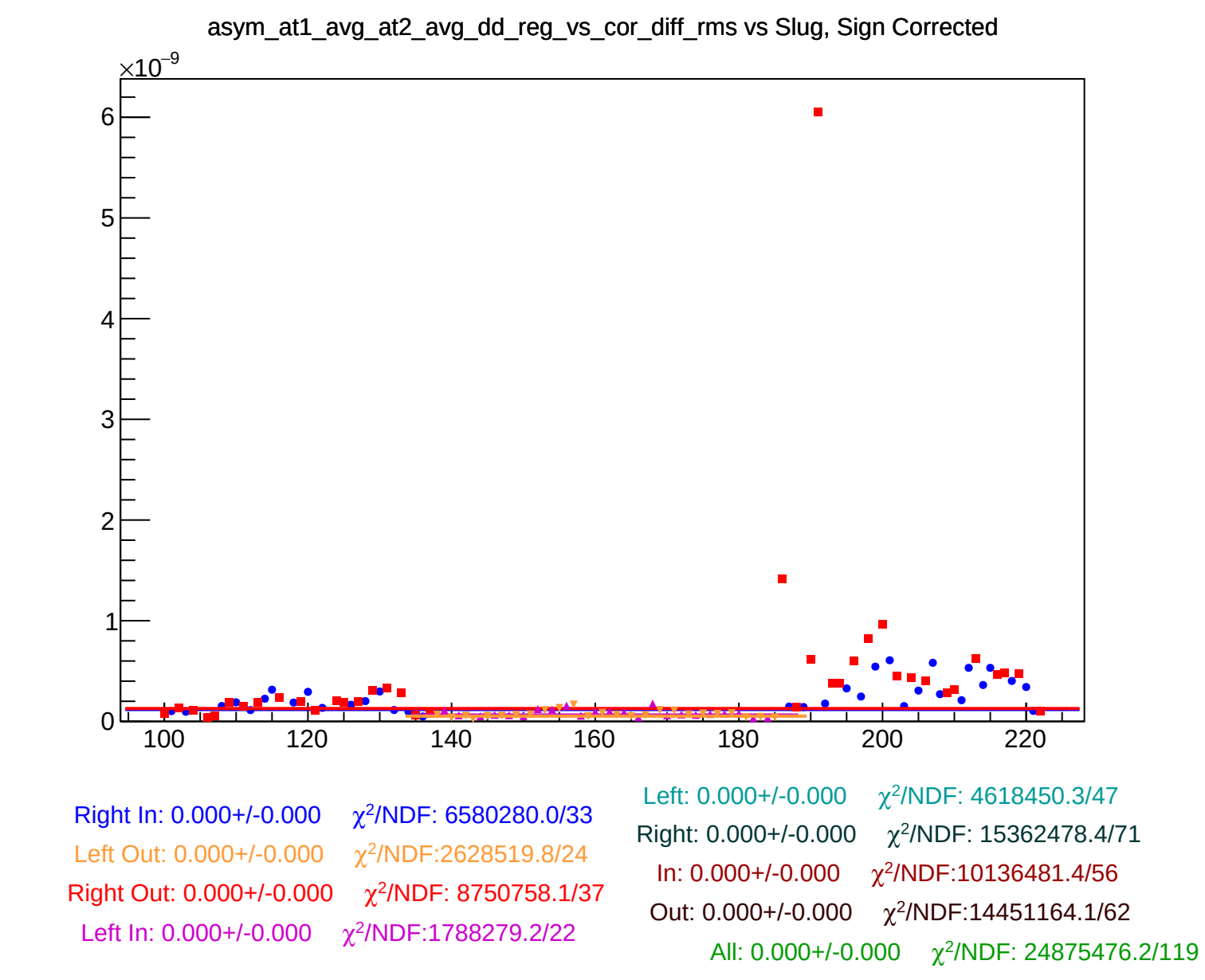
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/71

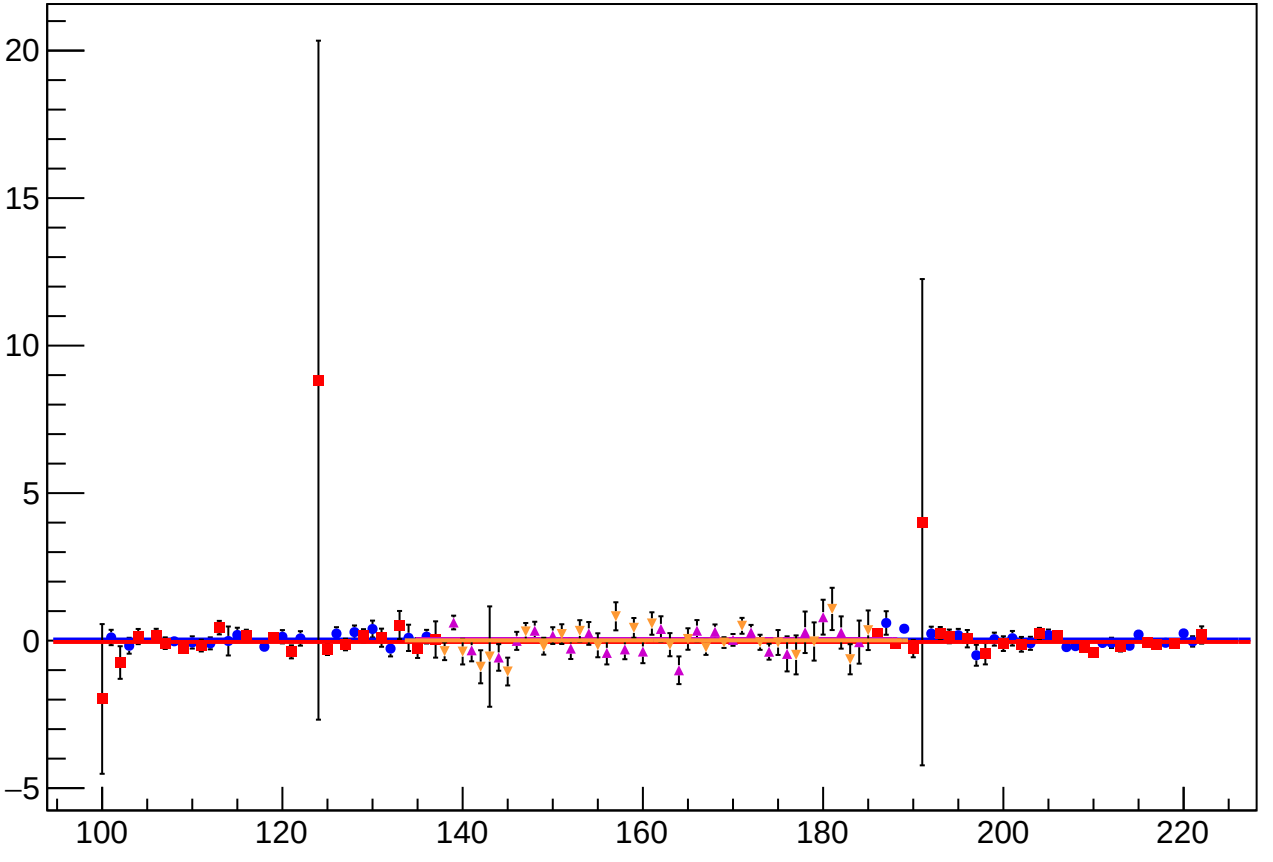
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 135.4/119


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: 8750758.1/37
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: 15362478.4/71
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14451164.1/62
All: 0.000+/-0.000 χ²/NDF: 24875476.2/119

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

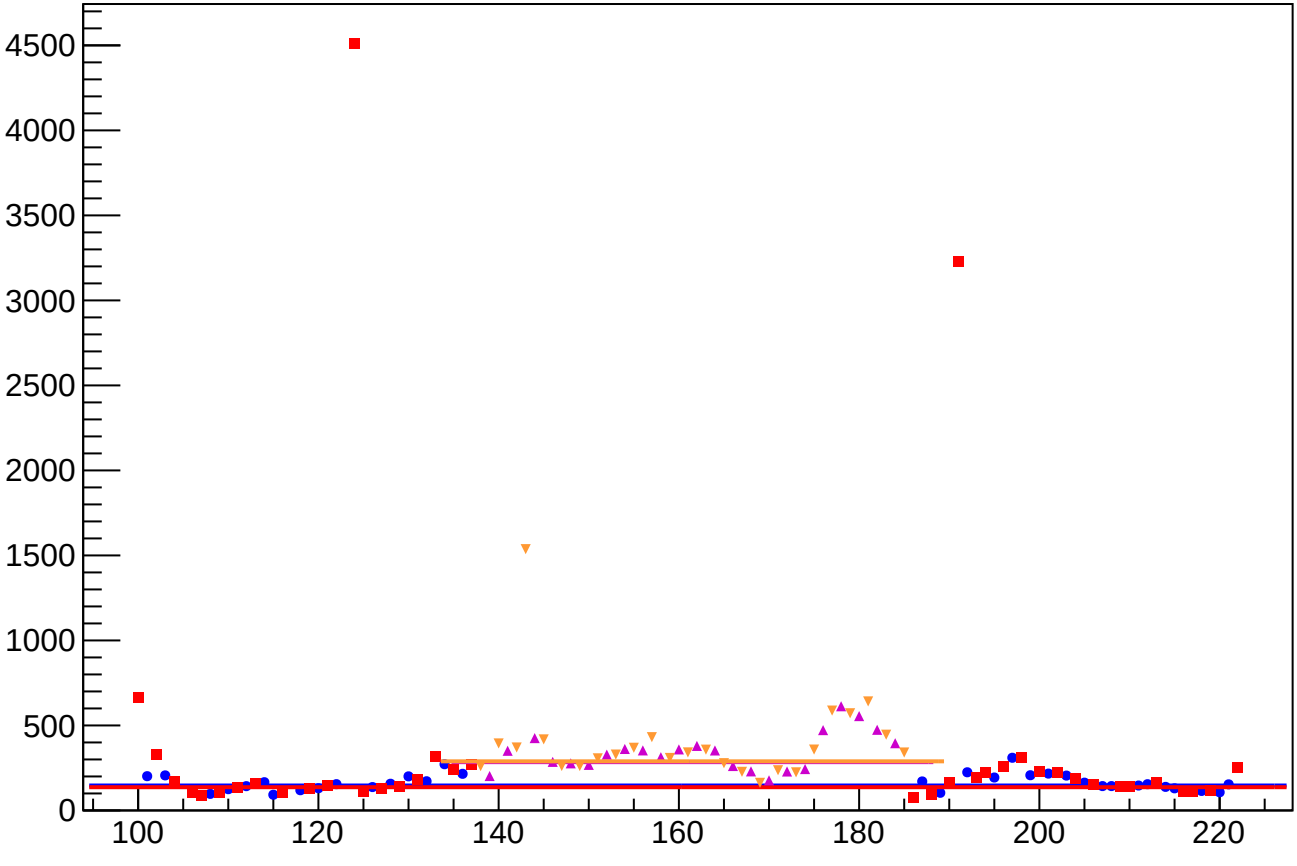
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

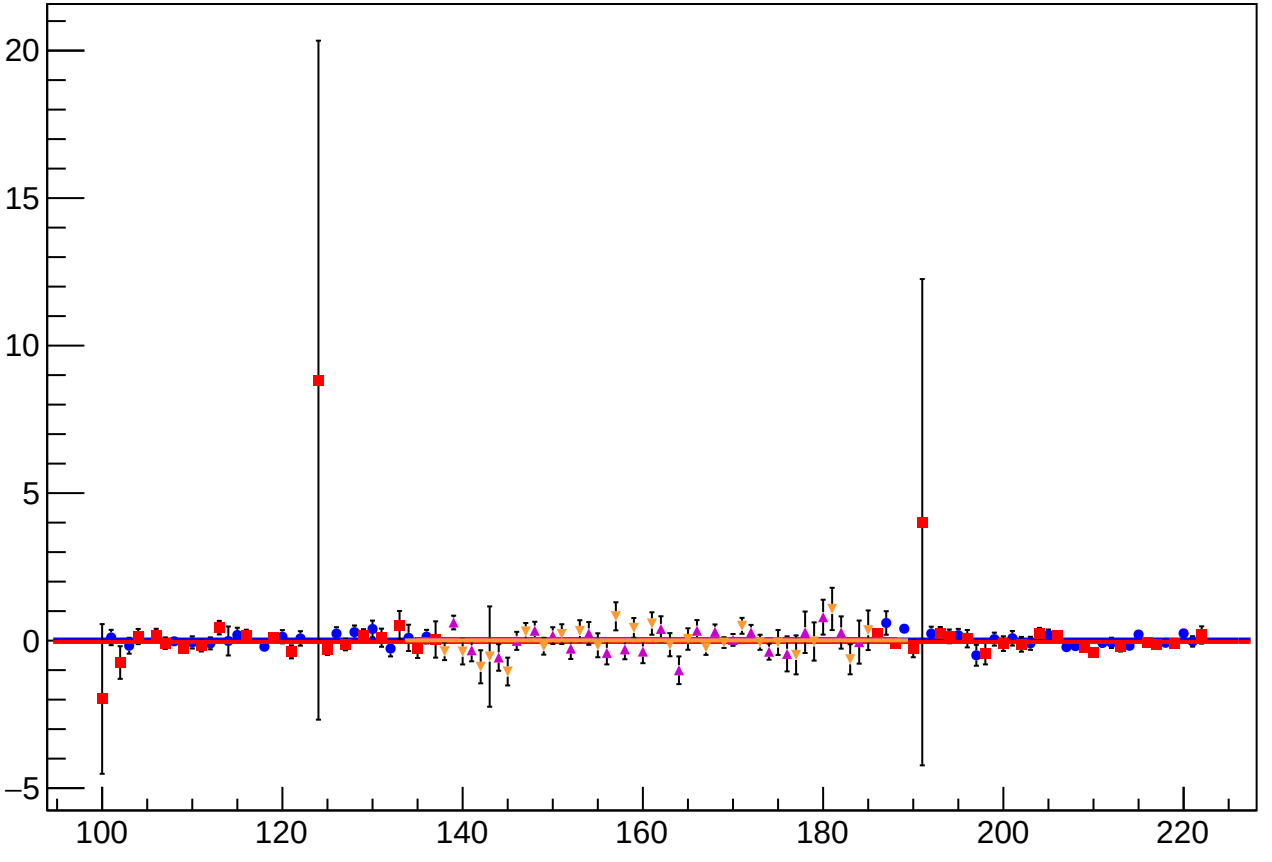
Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/1

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

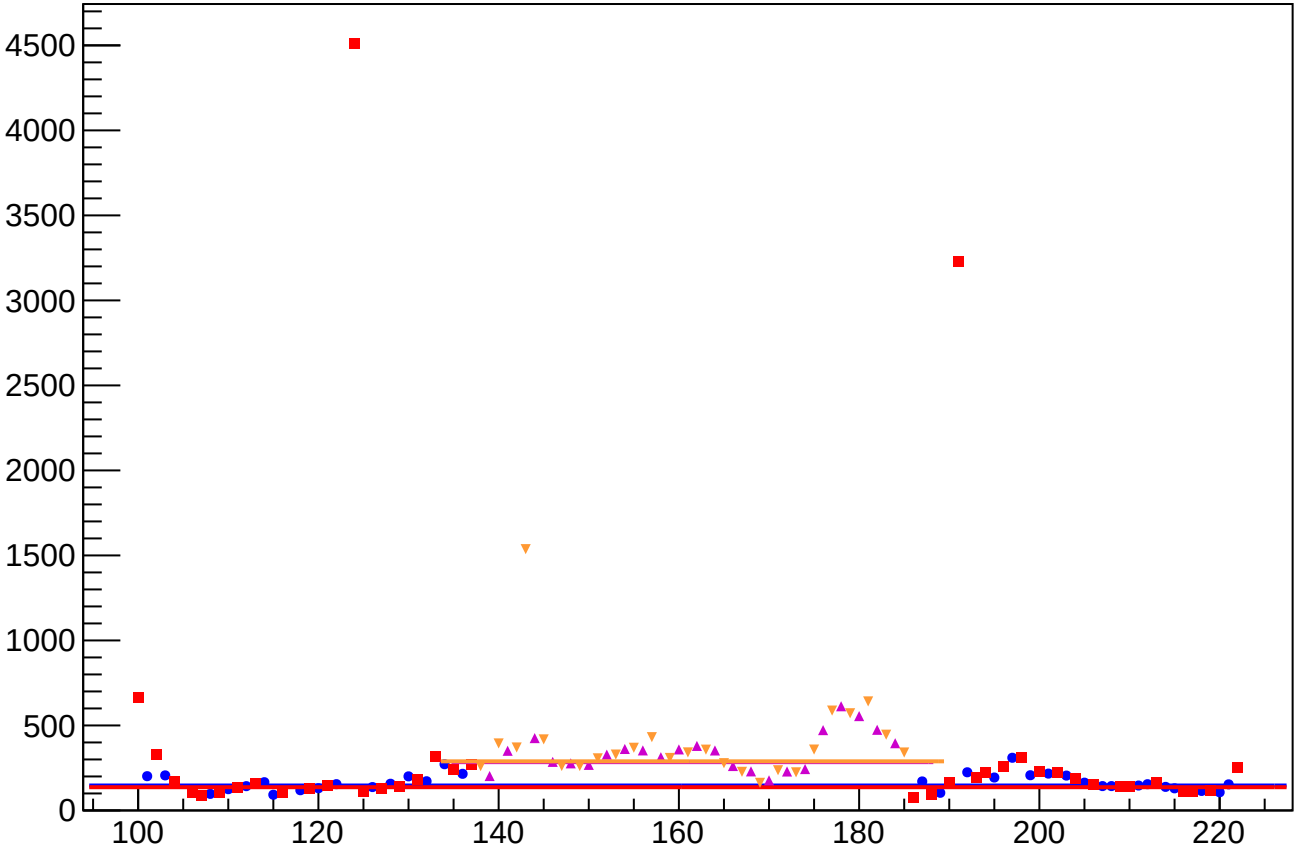
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

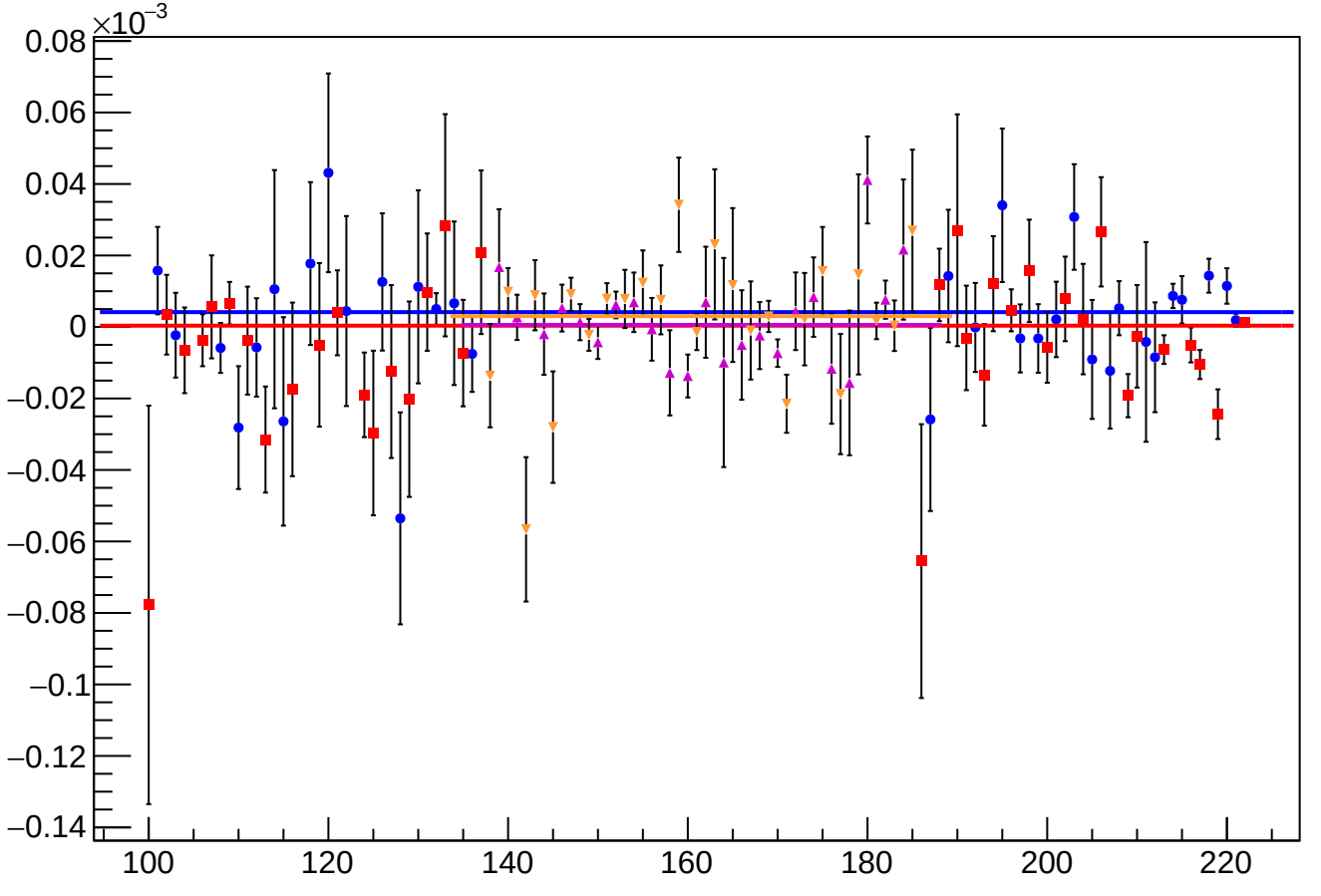
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/1



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 65.1/37

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

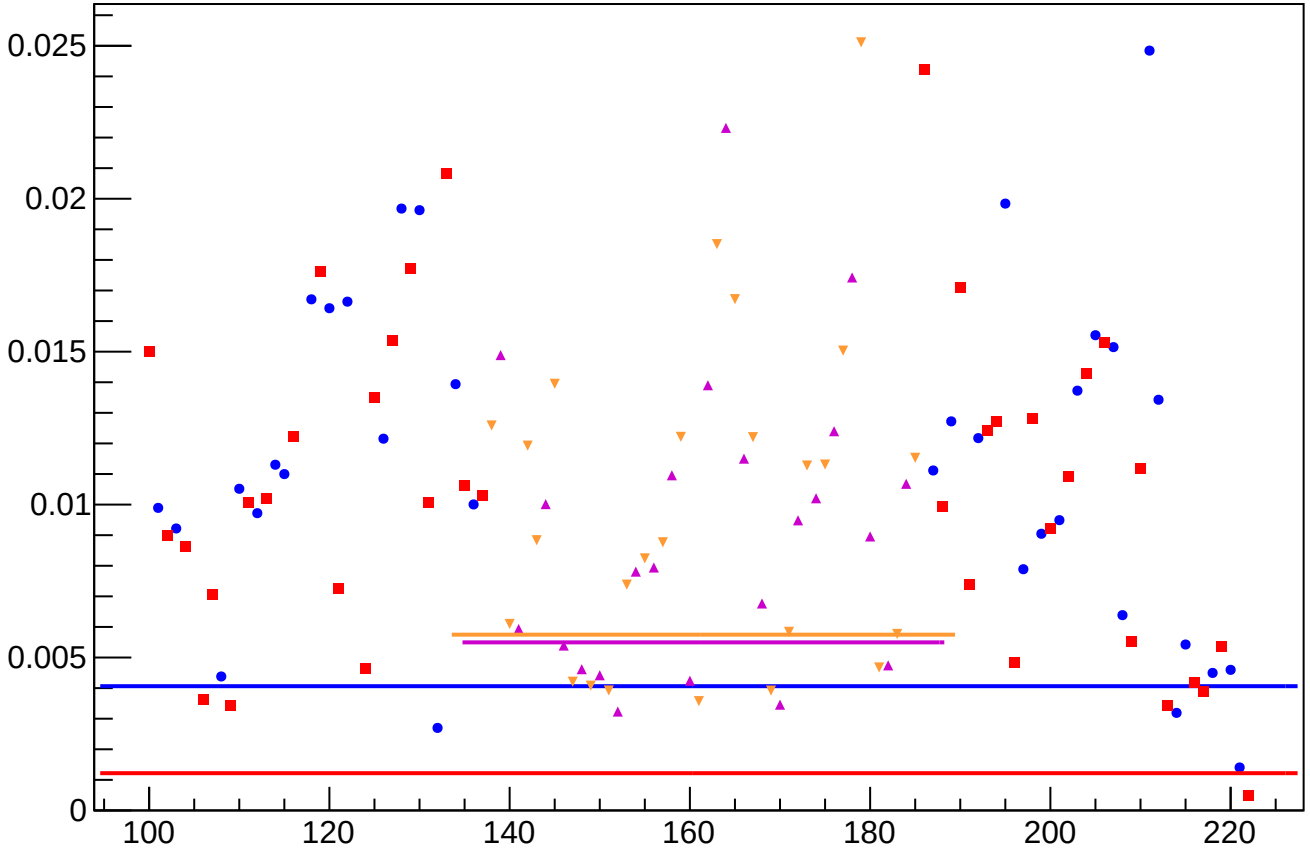
Right: 0.000+/-0.000 χ^2/NDF: 110.2/71

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/62

All: 0.000+/-0.000 χ^2/NDF: 187.3/119

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 32204412.1/37

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

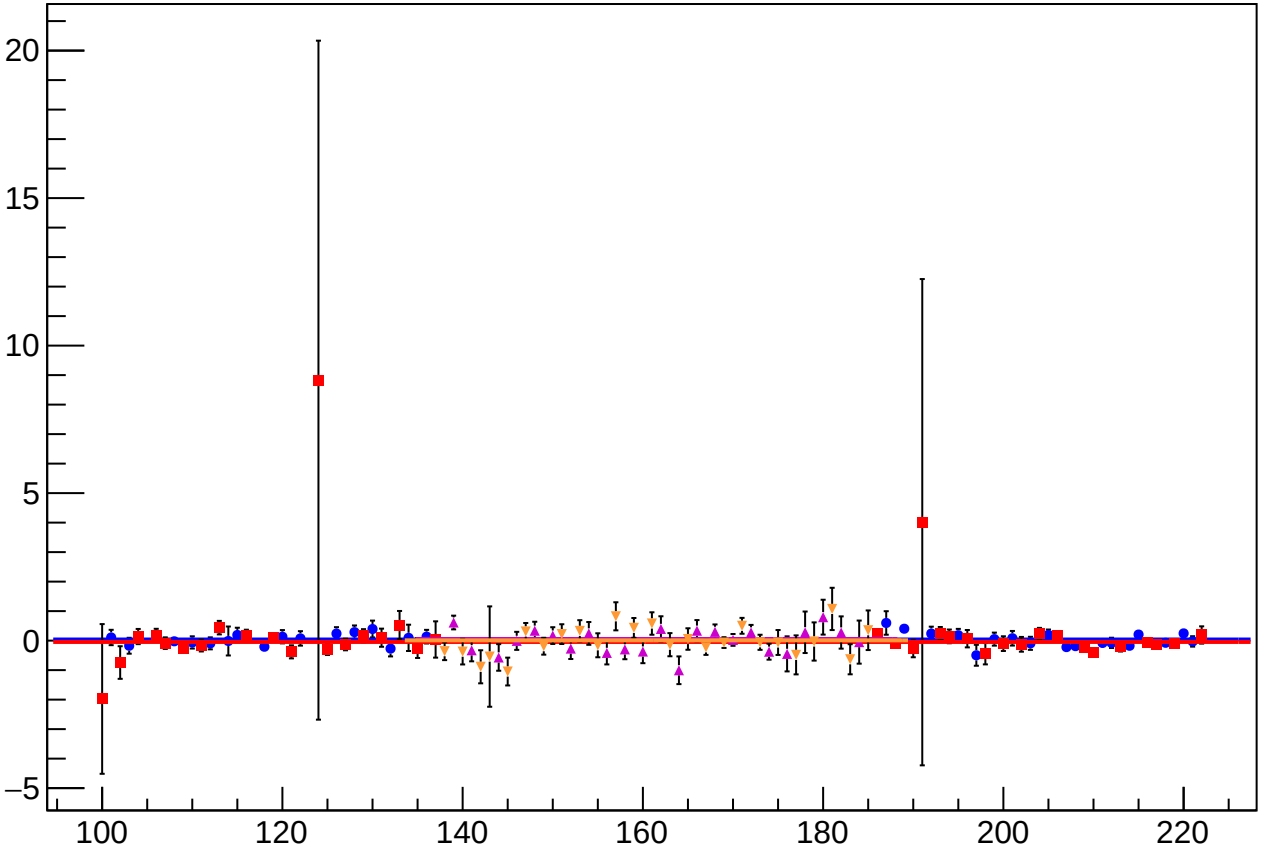
Right: 0.002+/-0.000 χ^2/NDF: 60160846.5/71

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:55886580.3/62

All: 0.002+/-0.000 χ^2/NDF: 96662357.2/119

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

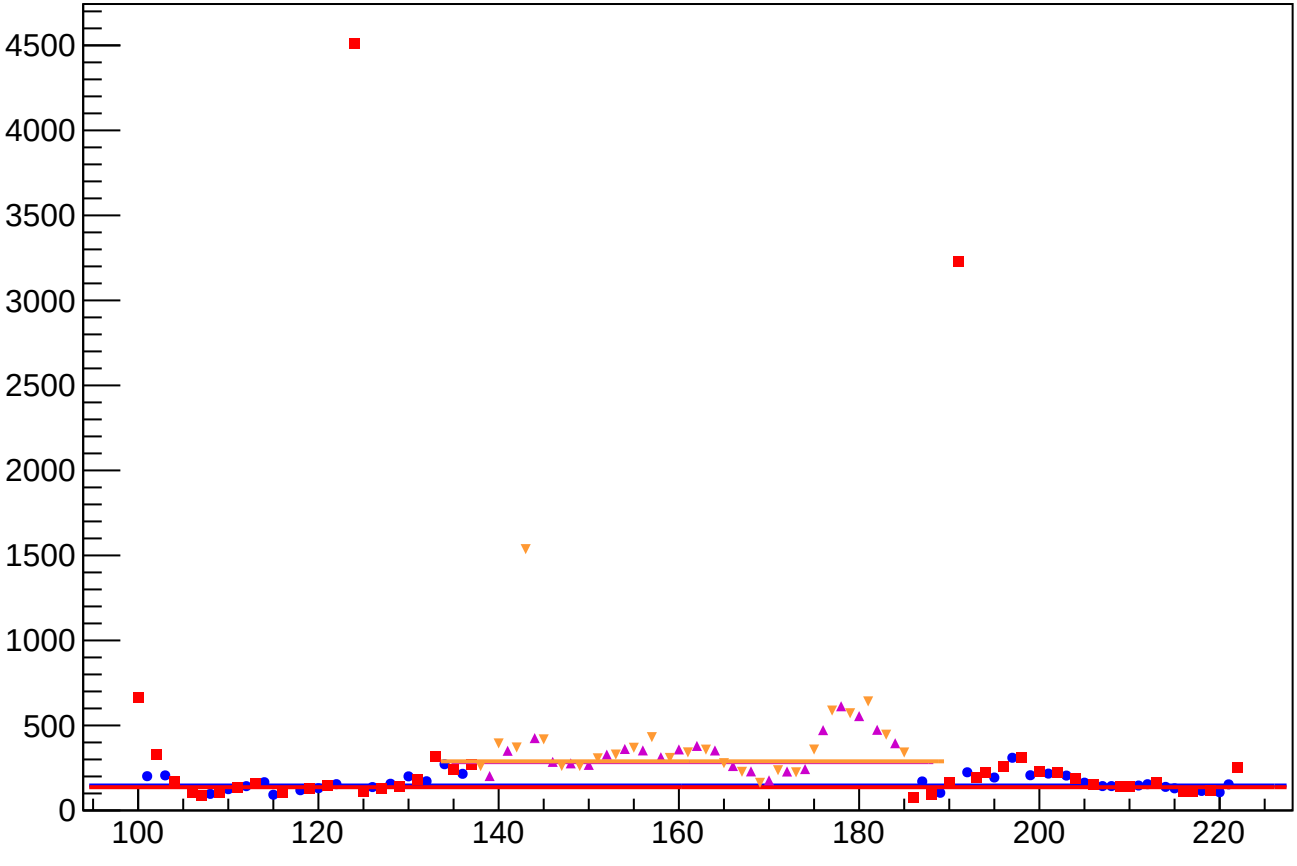
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

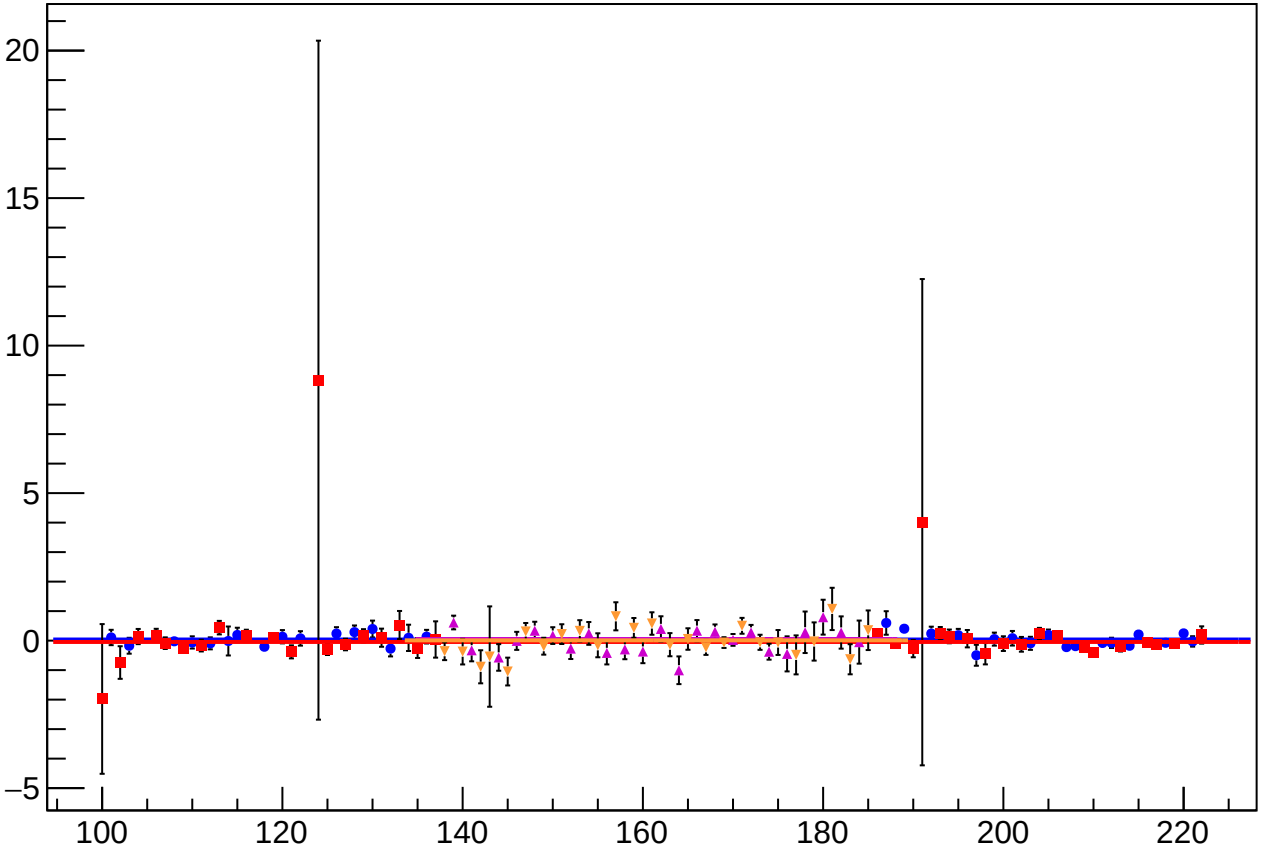
Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/11

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

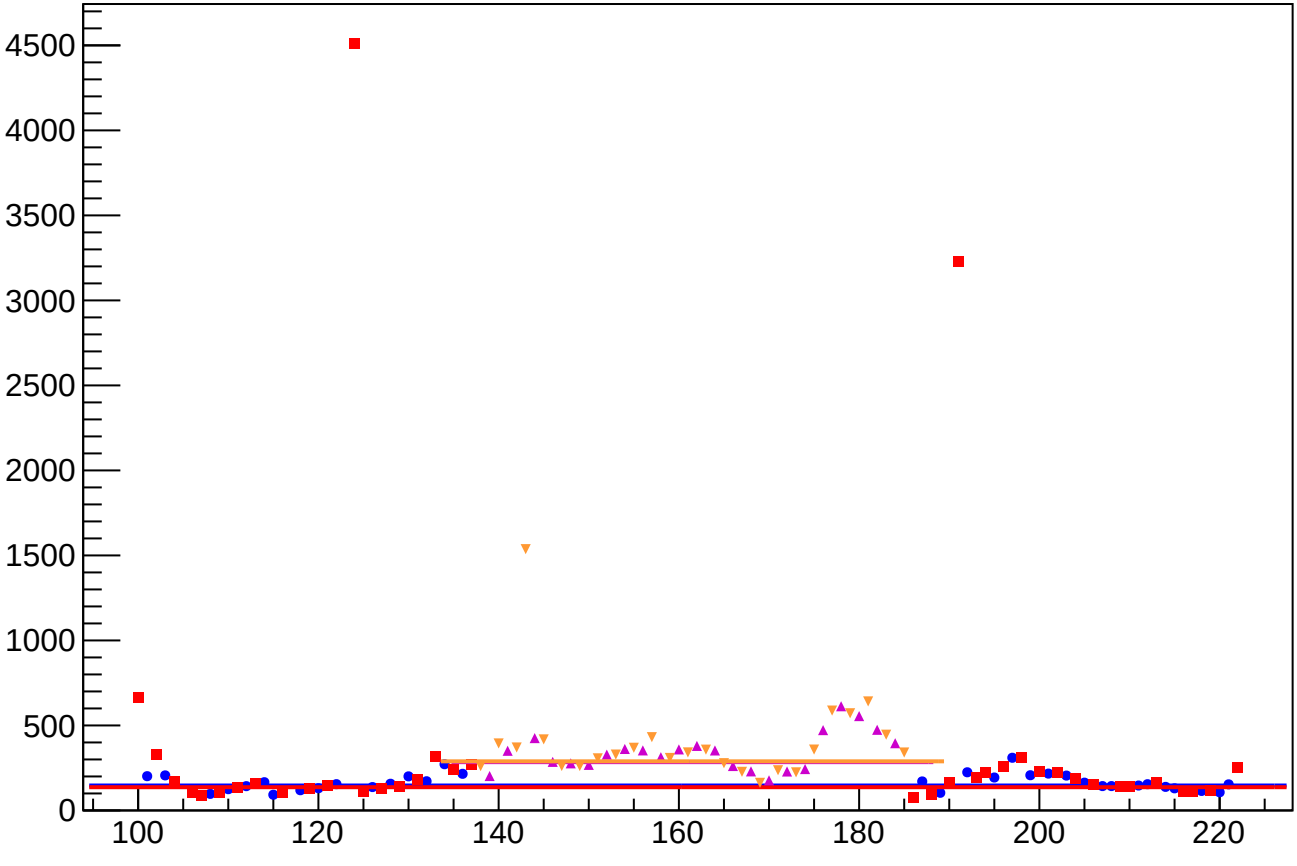
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

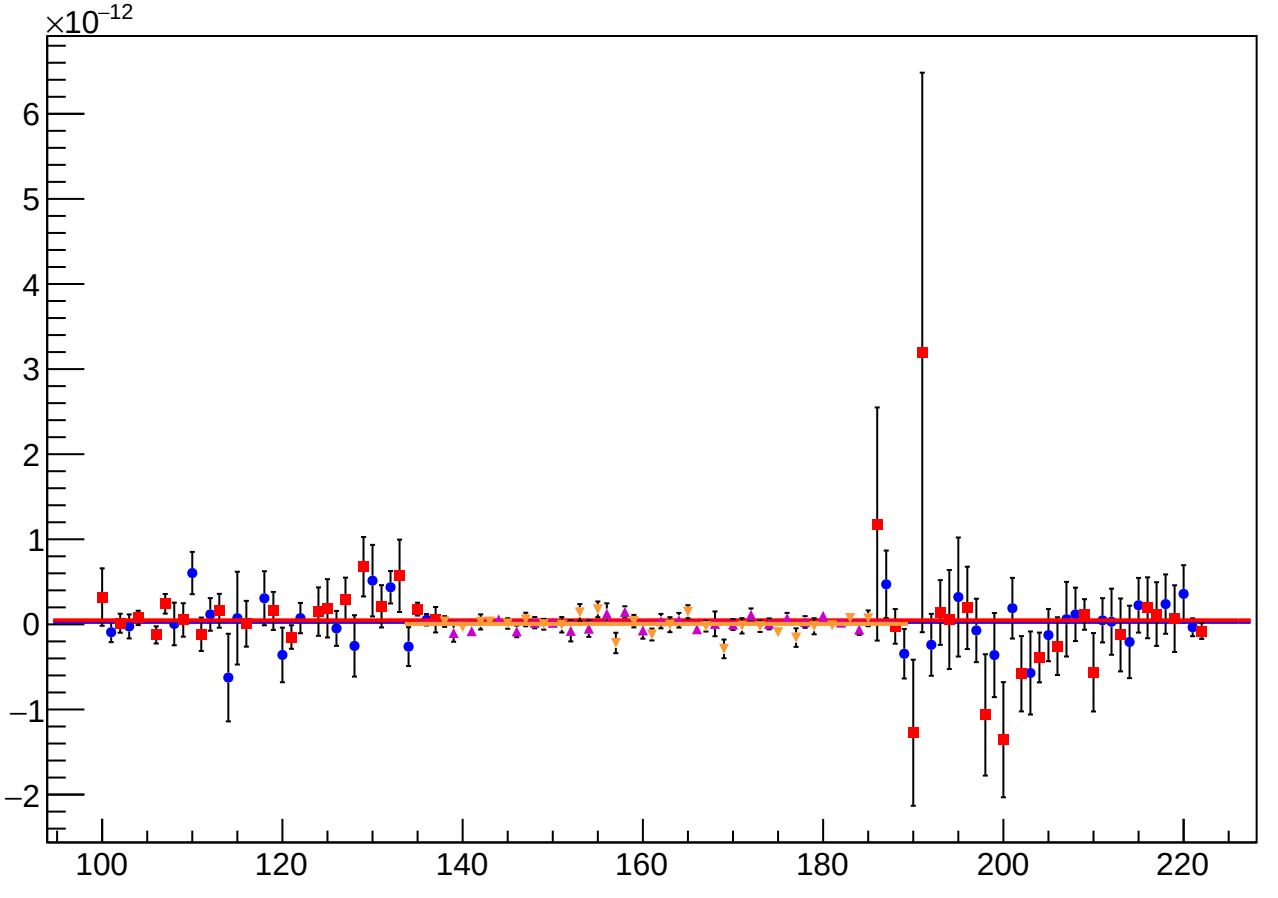
Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/11

asym_at1_avg_at2_avg_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: 39.5/37

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

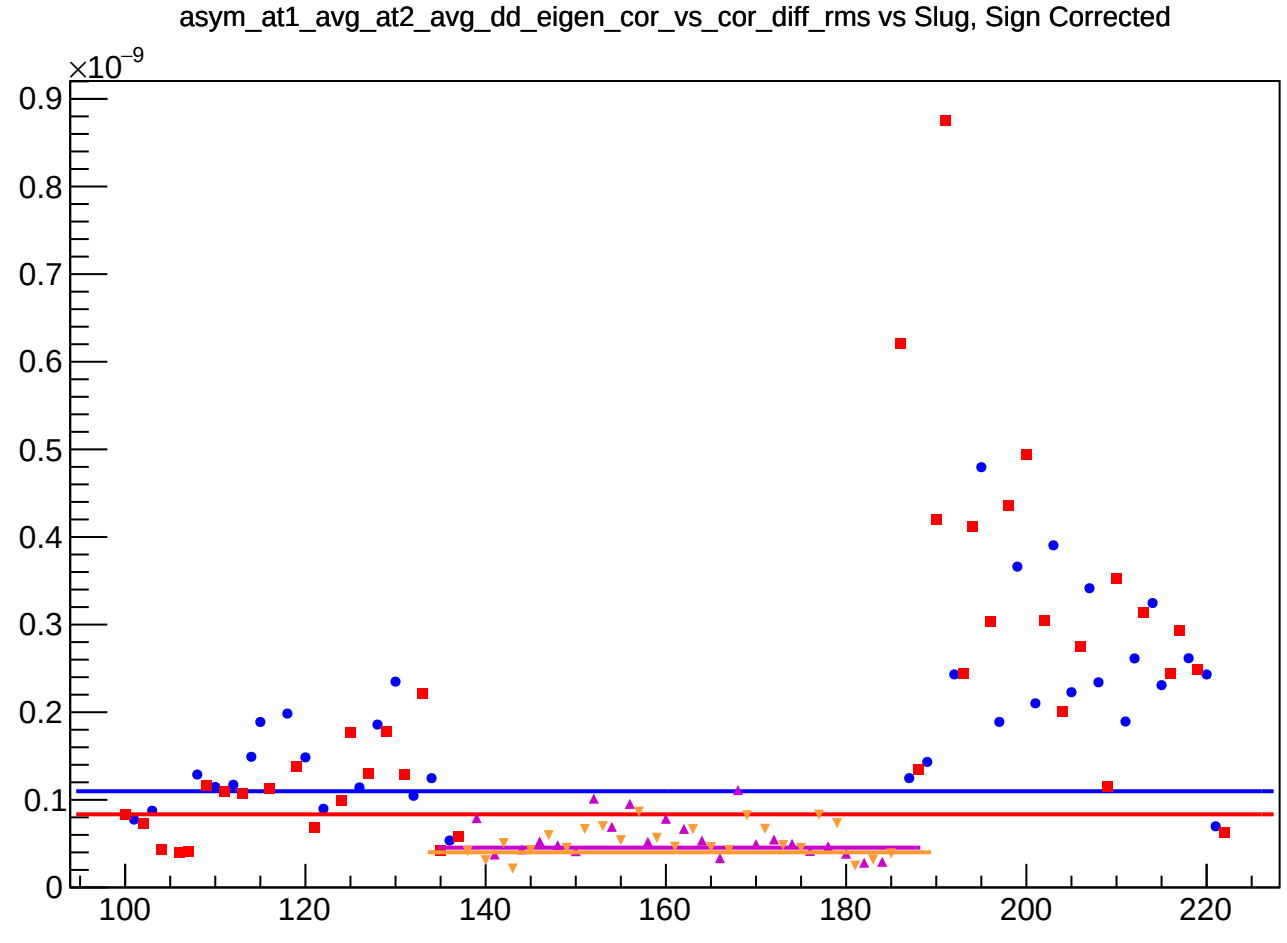
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 67.5/71

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 126.6/119



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: 10486906.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

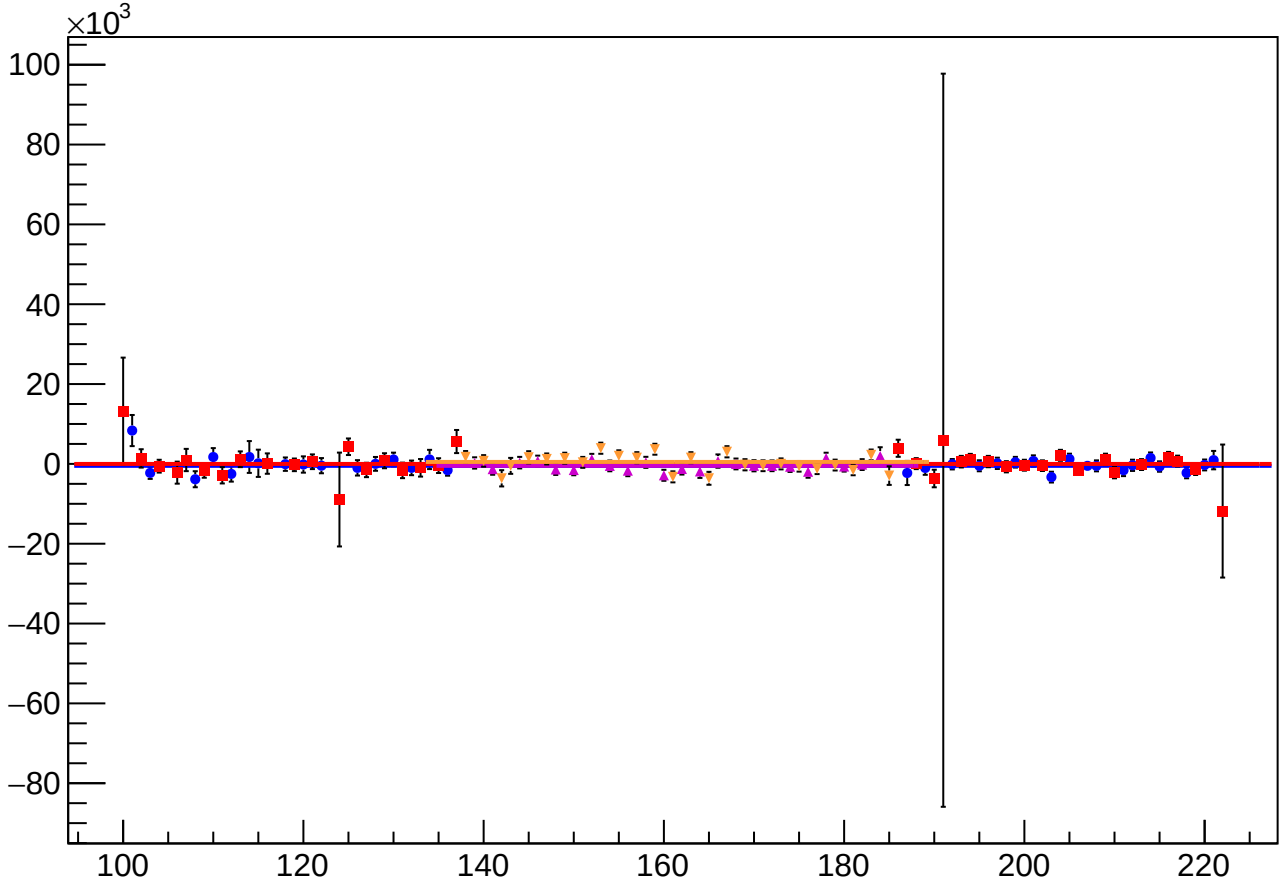
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18998642.2/71

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17649899.3/62

All: 0.000+/-0.000 χ^2/NDF: 34243233.3/119



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: -13.791+/-281.930 χ^2/NDF: 34.0/37

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

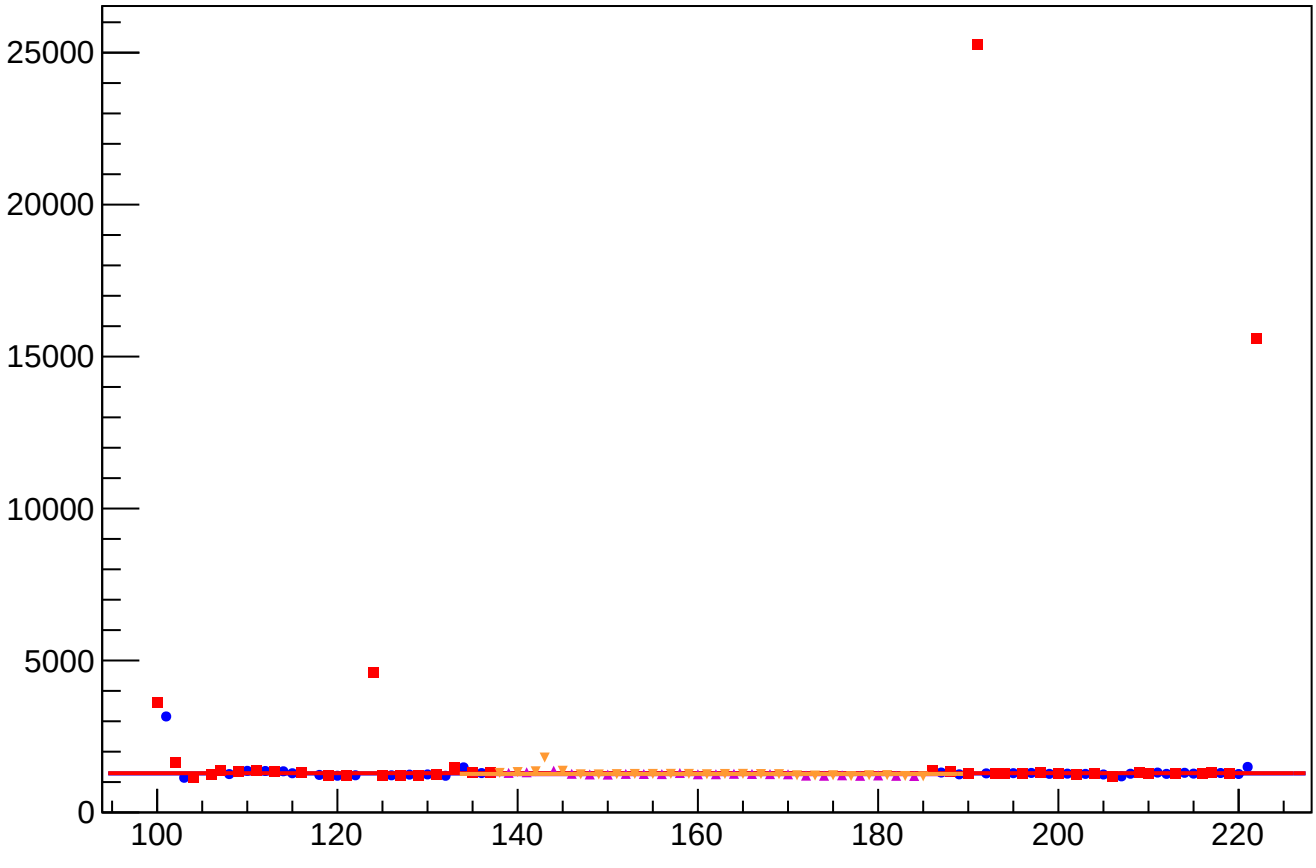
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -253.405+/-198.121 χ^2/NDF: 62.0/71

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 233.314+/-201.636 χ^2/NDF:82.5/62

All: -126.017+/-142.742 χ^2/NDF: 129.9/119



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: 1292.577+/-0.199 χ^2/NDF: 1955026.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

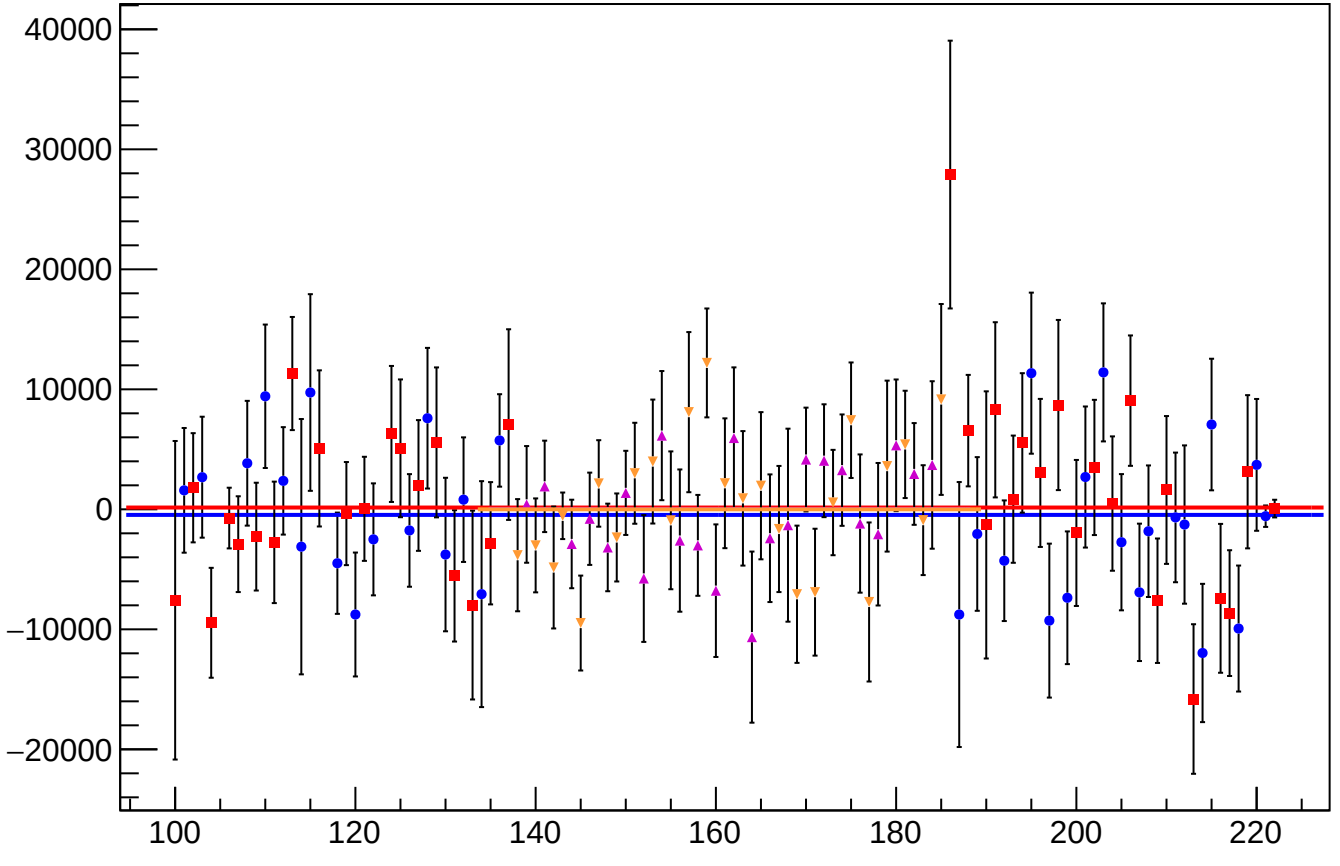
Right: 1287.285+/-0.140 χ^2/NDF: 2505044.3/71

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1280.078+/-0.143 χ^2/NDF:2150640.6/62

All: 1275.296+/-0.101 χ^2/NDF: 2745699.7/11

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: 149.322+/-563.738 χ^2/NDF: 46.9/37

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

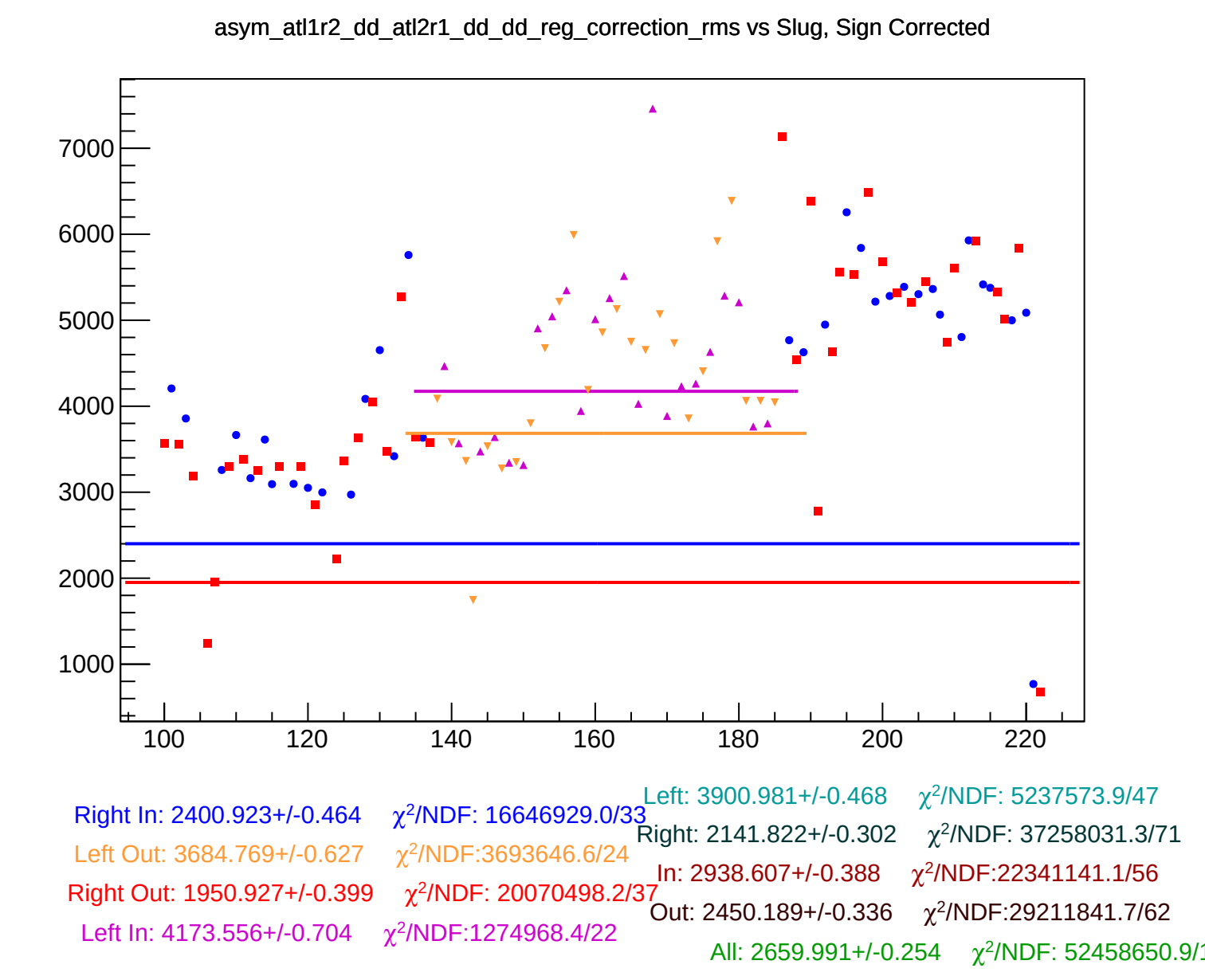
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: -111.170+/-427.767 χ^2/NDF: 85.9/71

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 106.151+/-475.699 χ^2/NDF:75.9/62

All: -74.407+/-359.285 χ^2/NDF: 129.1/119


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
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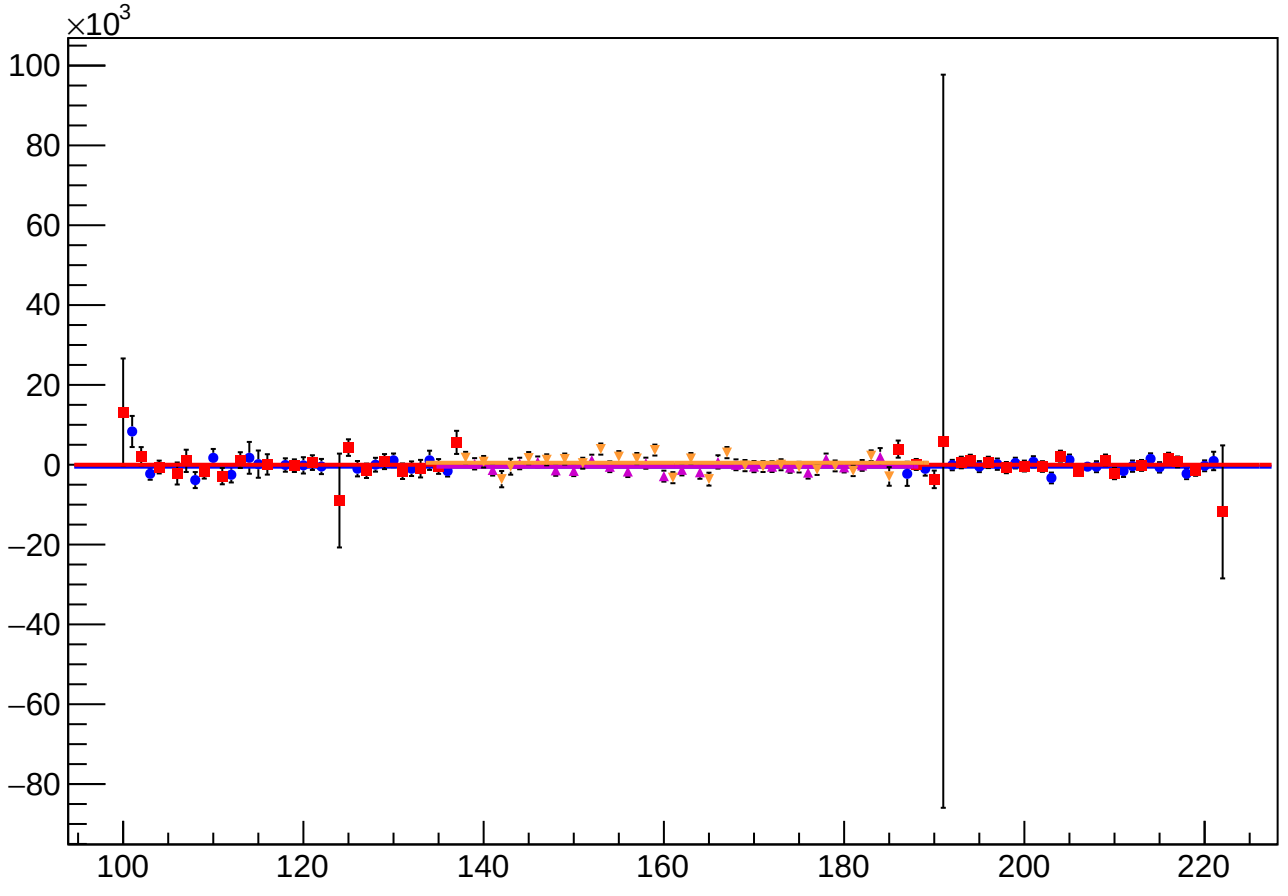
Right In: 2400.923+/-0.464 χ²/NDF: 16646929.0/33
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 1950.927+/-0.399 χ²/NDF: 20070498.2/37
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 2141.822+/-0.302 χ²/NDF: 37258031.3/71
In: 2938.607+/-0.388 χ²/NDF:22341141.1/56
Out: 2450.189+/-0.336 χ²/NDF:29211841.7/62
All: 2659.991+/-0.254 χ²/NDF: 52458650.9/1



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

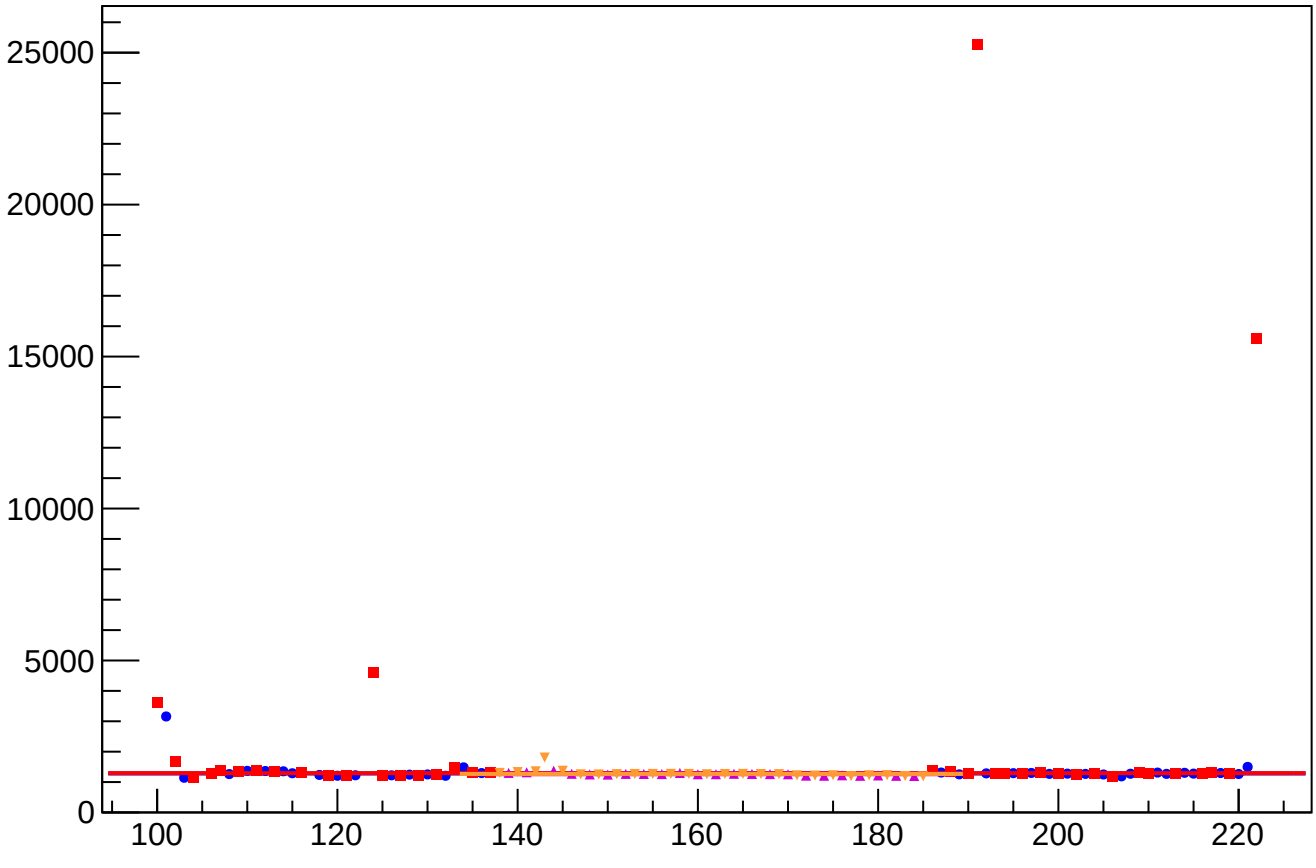
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

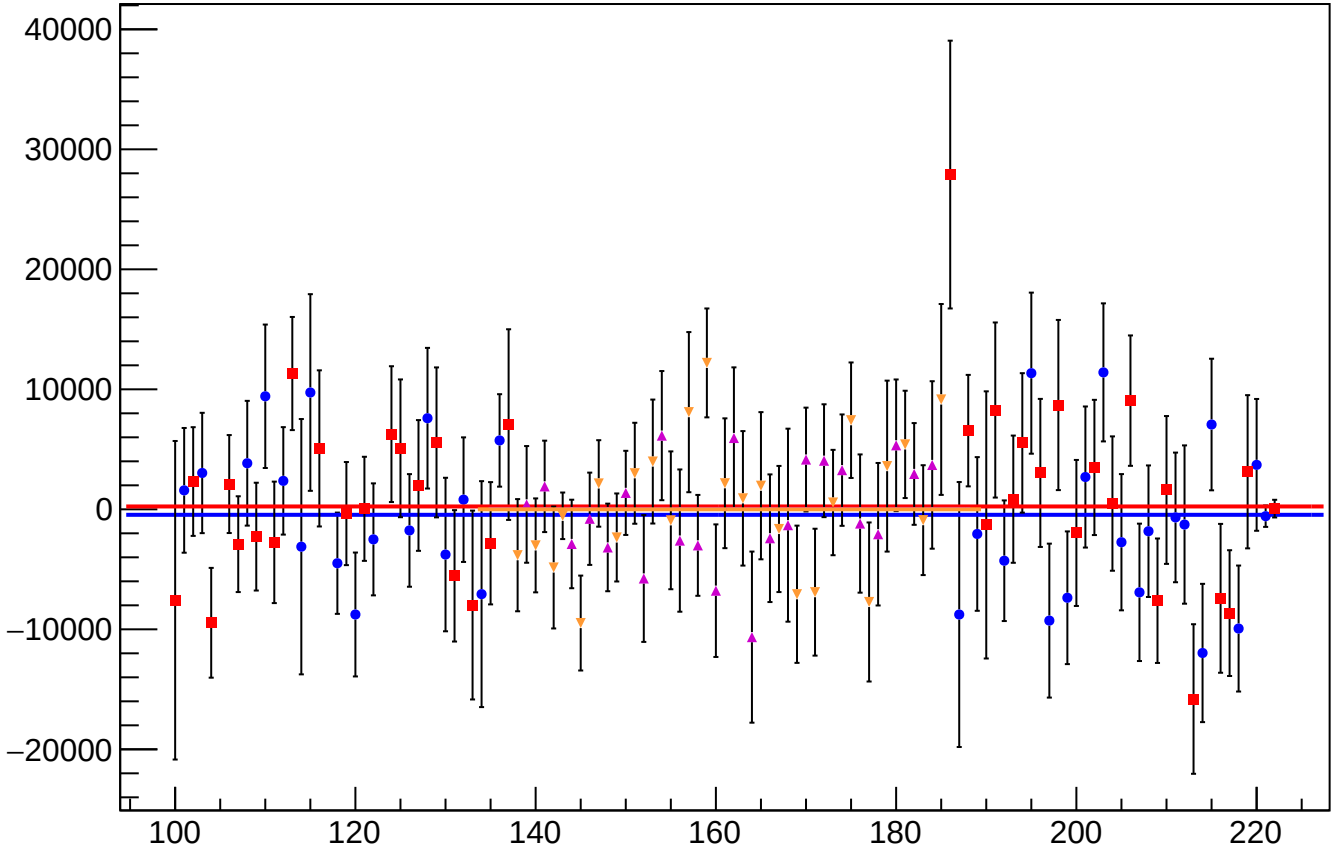
Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11

asym_atl1r2_dd_atl2r1_dd_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: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

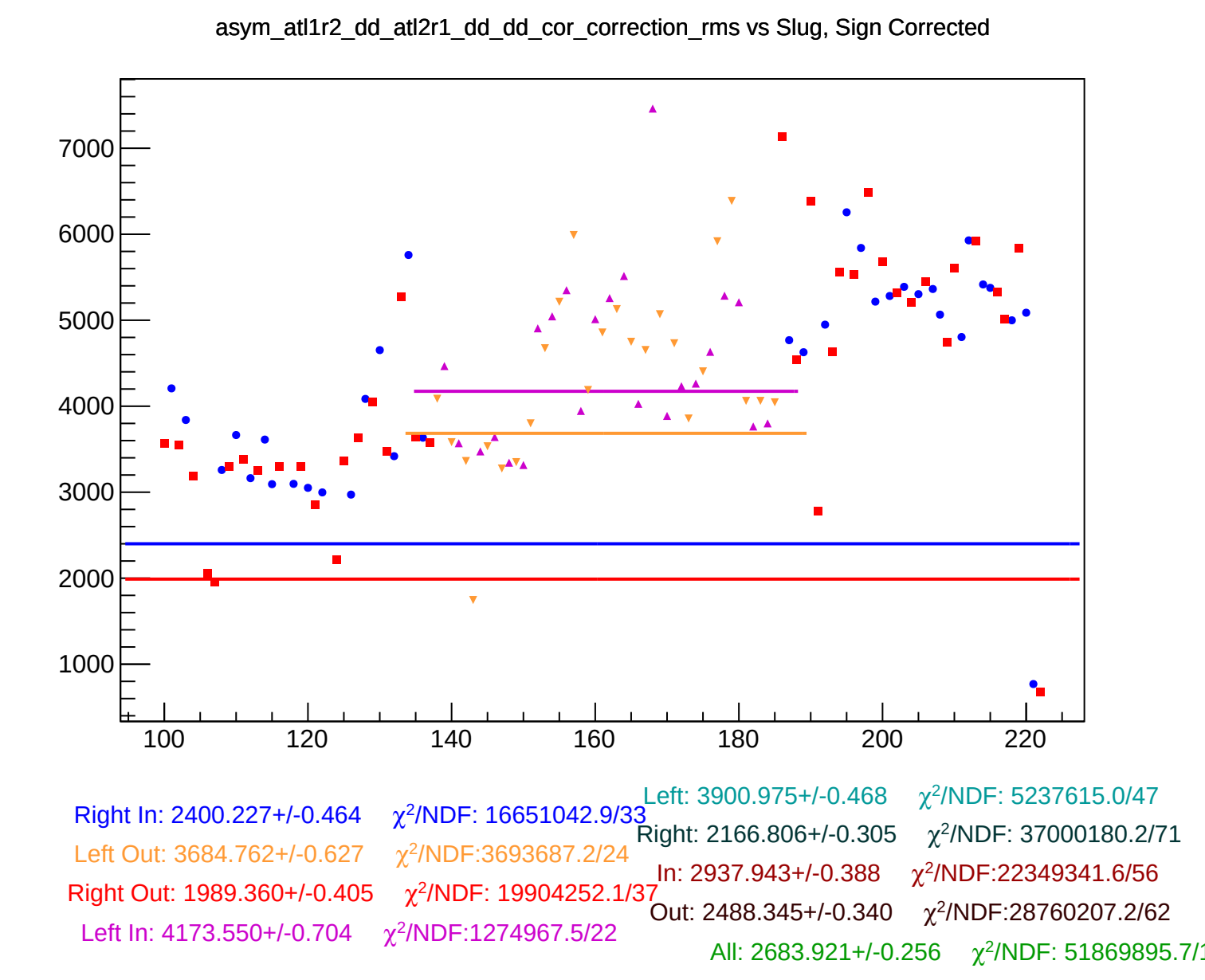
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
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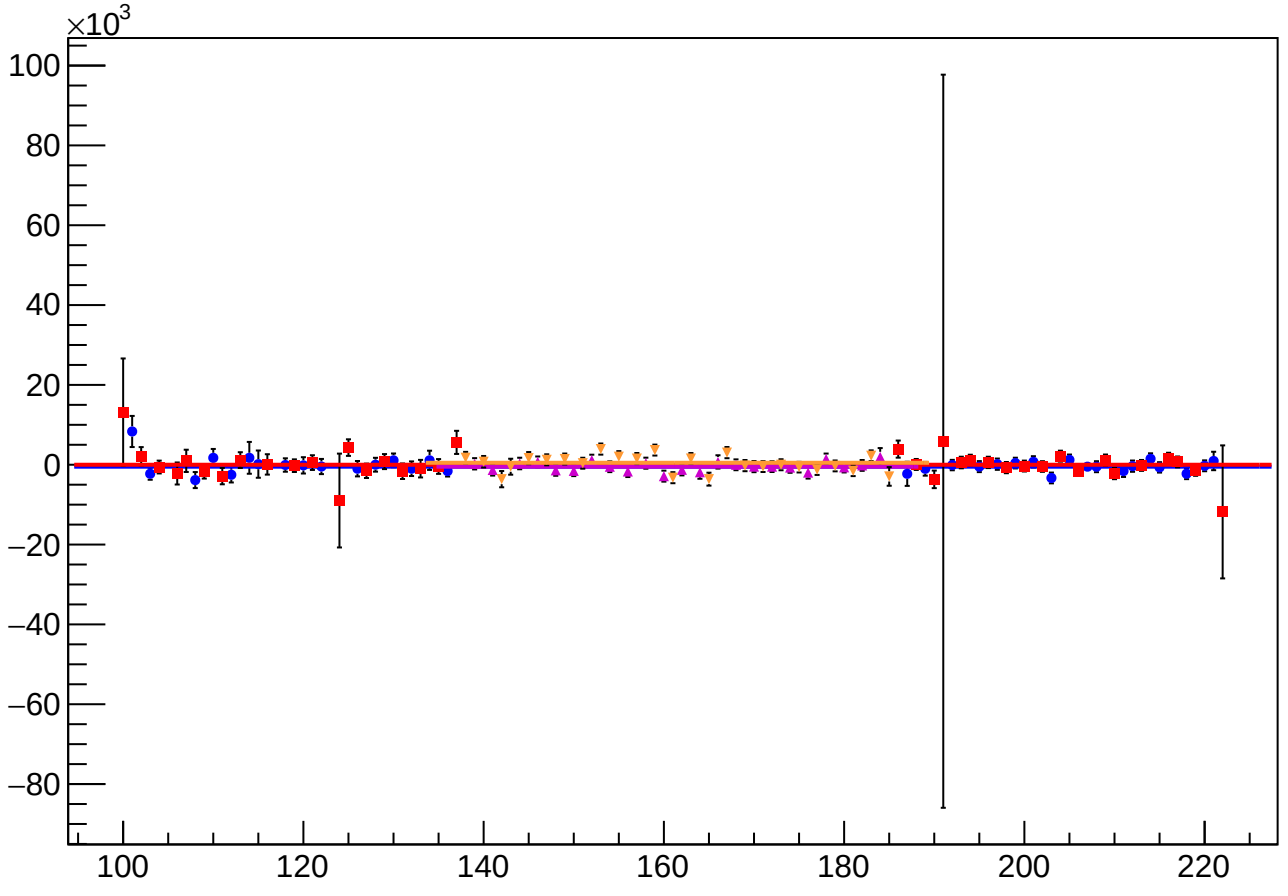
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1989.360+/-0.405 χ²/NDF: 19904252.1/37
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2166.806+/-0.305 χ²/NDF: 37000180.2/71
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2488.345+/-0.340 χ²/NDF:28760207.2/62
All: 2683.921+/-0.256 χ²/NDF: 51869895.7/1



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: -4.105+/-281.992 χ^2/NDF: 34.4/37

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

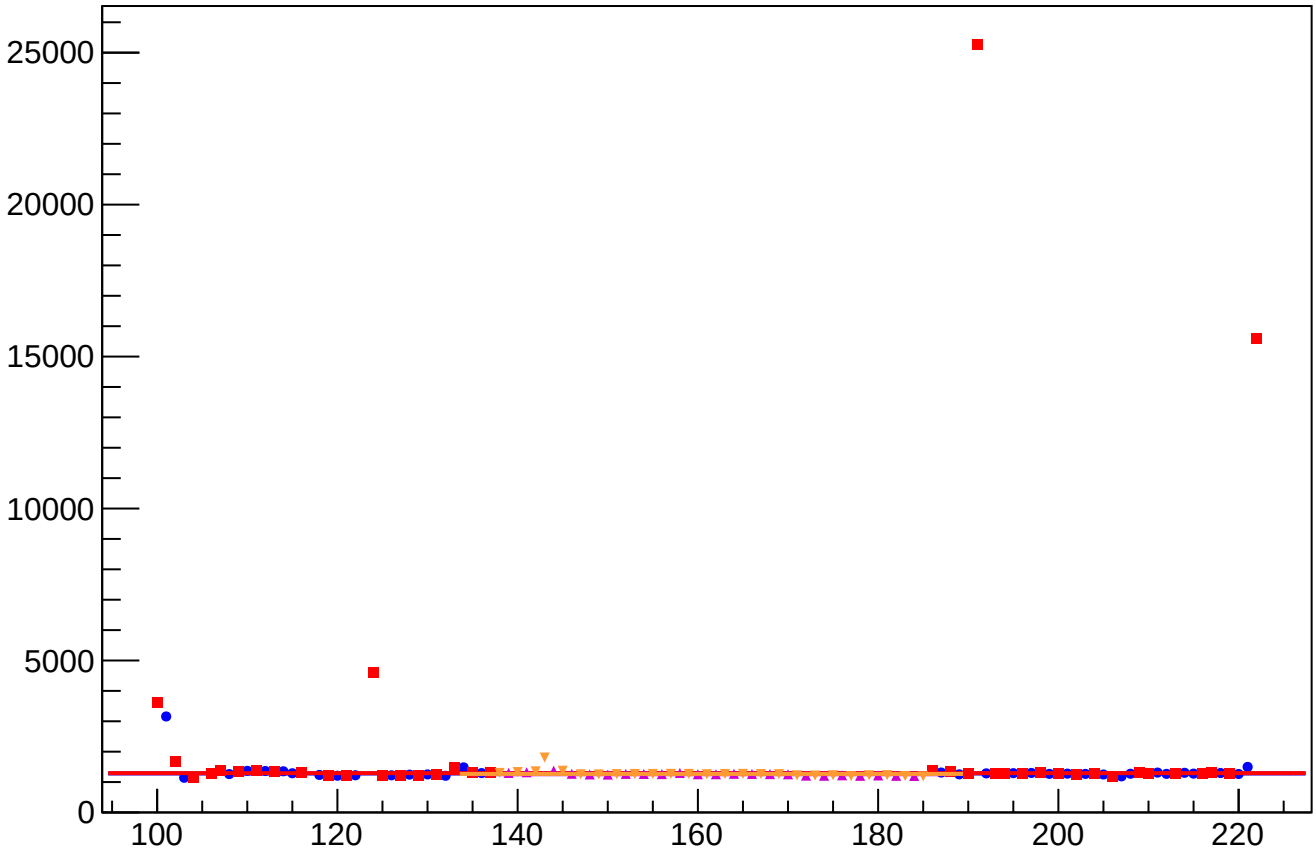
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -248.740+/-198.143 χ^2/NDF: 62.5/71

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 238.332+/-201.658 χ^2/NDF:82.9/62

All: -123.553+/-142.750 χ^2/NDF: 130.3/119



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: 1293.250+/-0.199 χ^2/NDF: 1961789.8/37

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

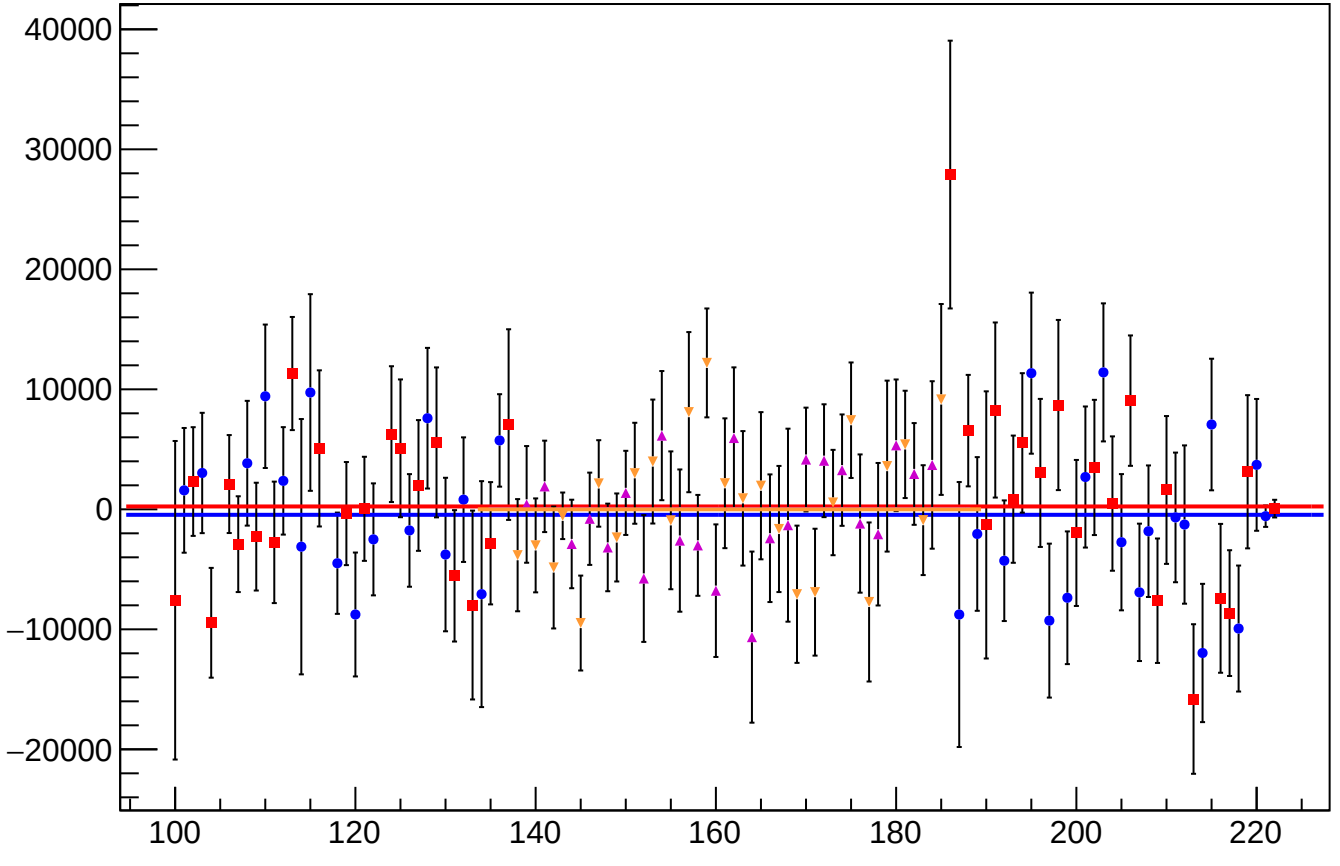
Right: 1287.614+/-0.140 χ^2/NDF: 2511993.3/71

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1280.416+/-0.143 χ^2/NDF:2157829.1/62

All: 1275.465+/-0.101 χ^2/NDF: 2753051.2/11

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: 238.865+/-572.499 χ^2/NDF: 47.1/37

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

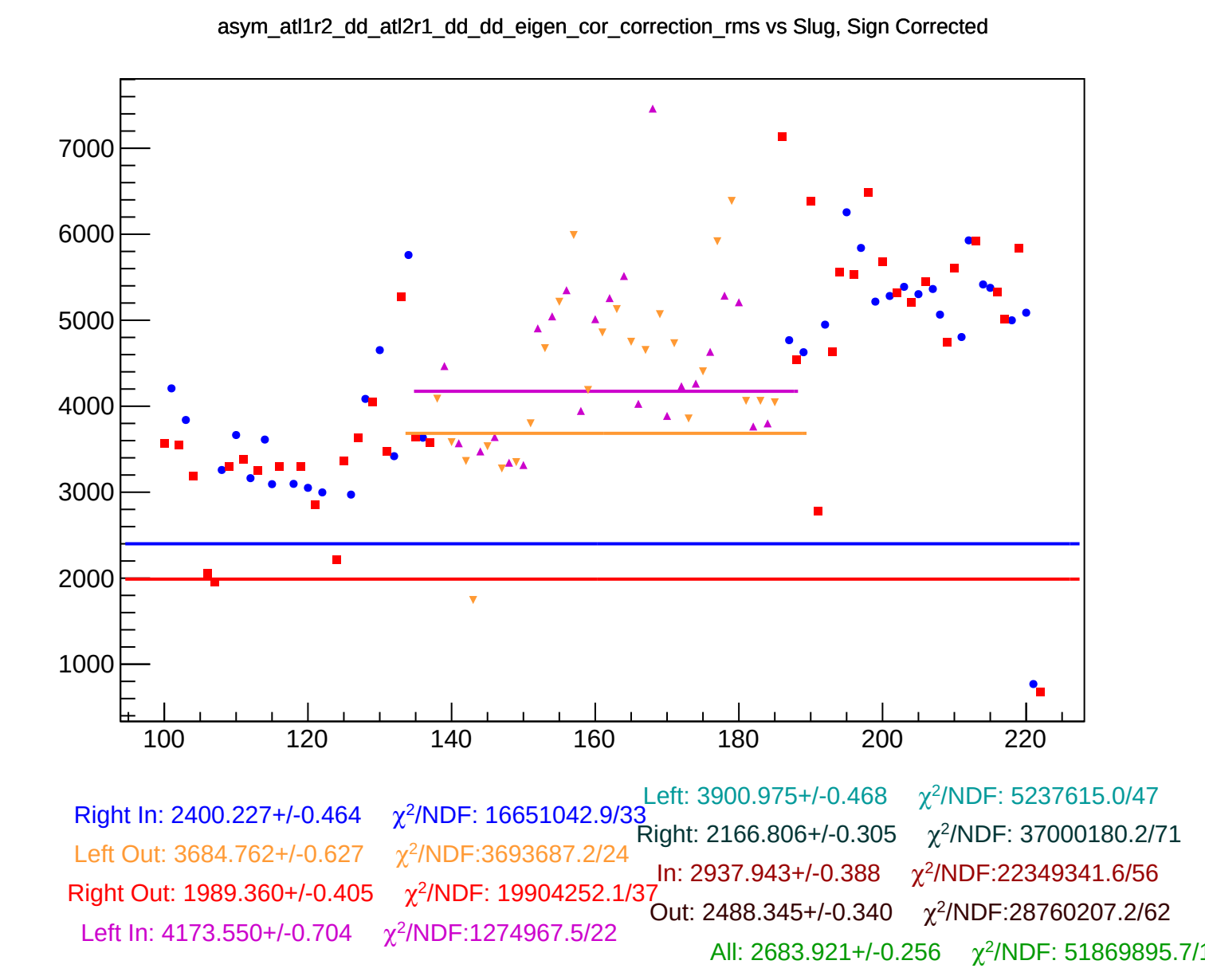
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: -61.961+/-431.513 χ^2/NDF: 86.4/71

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 168.404+/-480.928 χ^2/NDF:76.2/62

All: -39.407+/-361.496 χ^2/NDF: 129.5/119


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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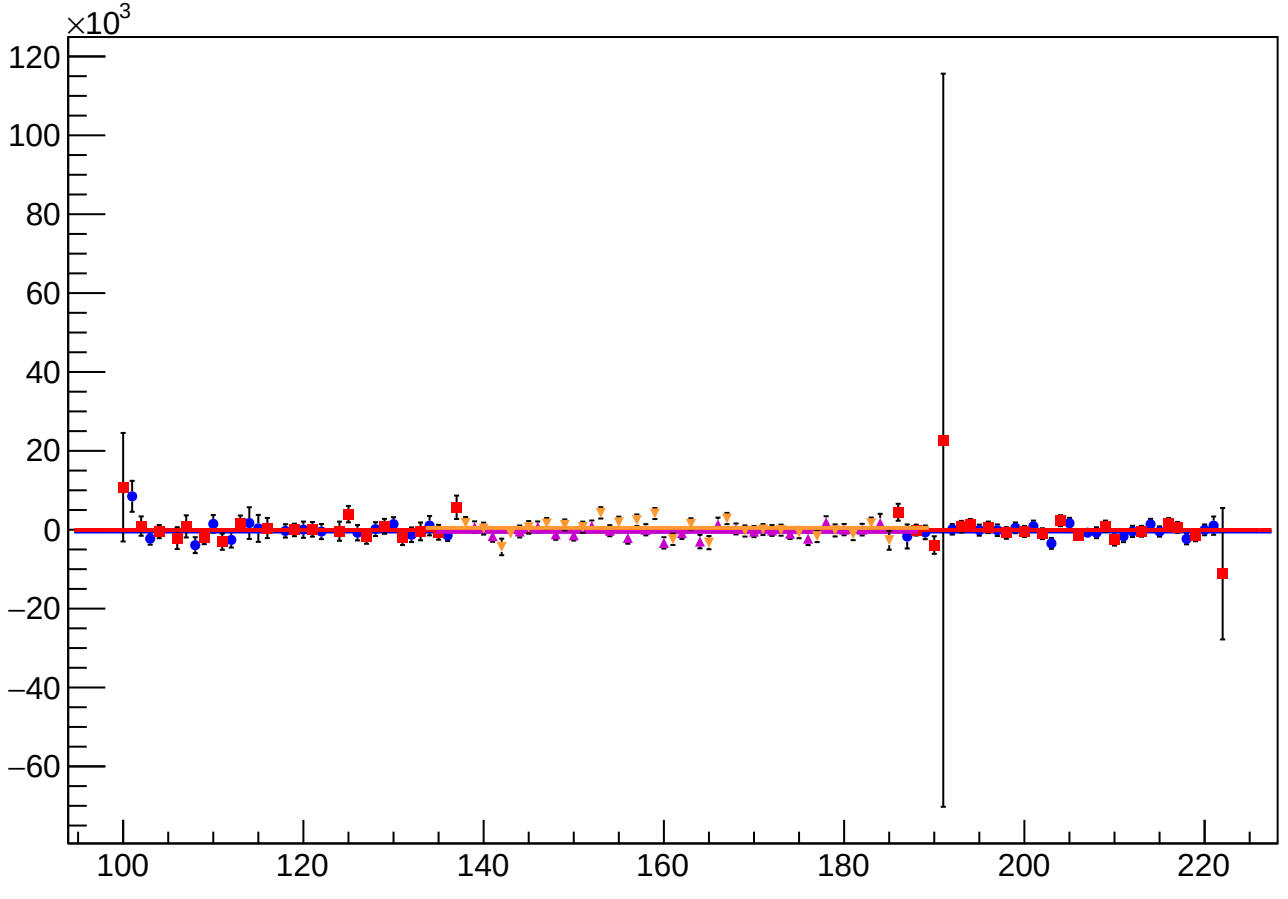
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1989.360+/-0.405 χ²/NDF: 19904252.1/37
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2166.806+/-0.305 χ²/NDF: 37000180.2/71
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2488.345+/-0.340 χ²/NDF:28760207.2/62
All: 2683.921+/-0.256 χ²/NDF: 51869895.7/1



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: -69.458+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

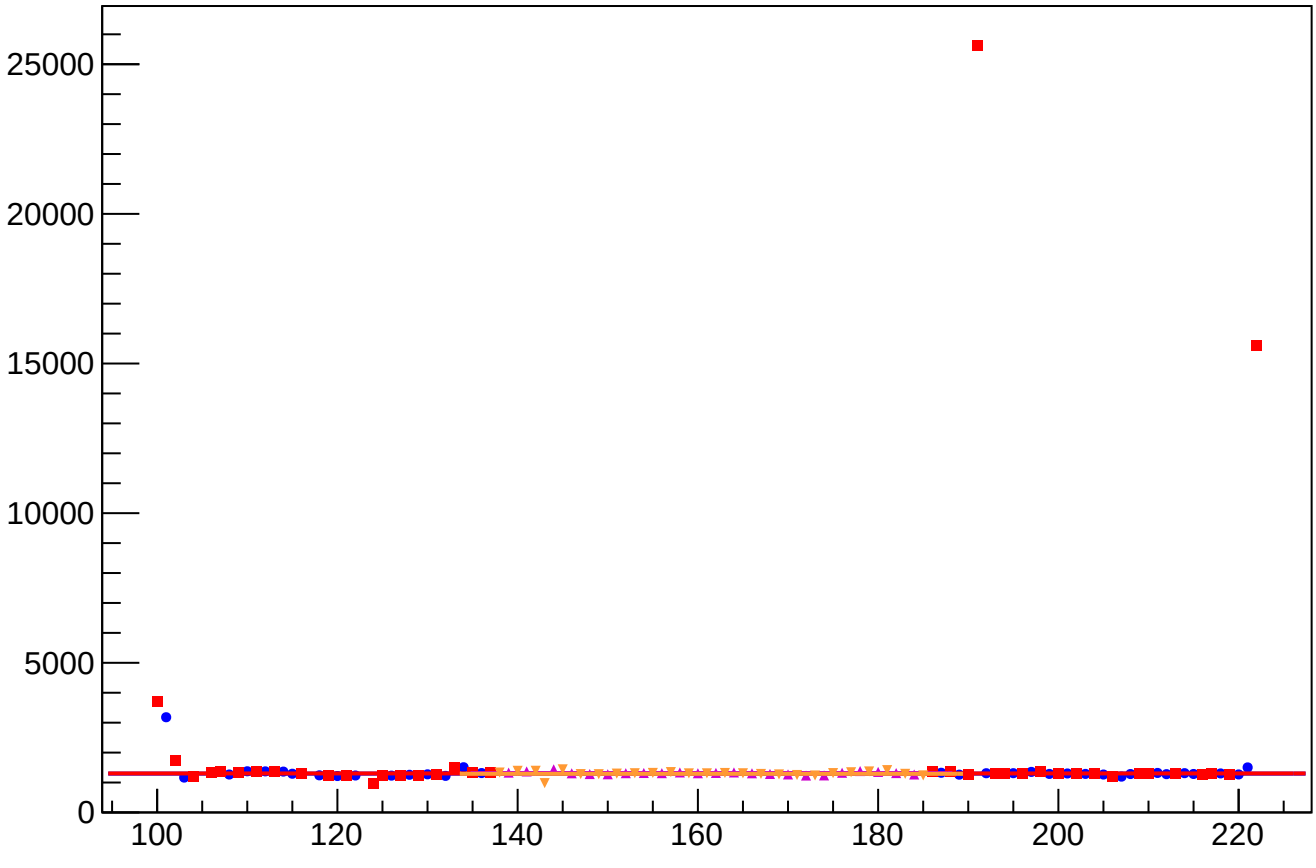
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 189.729+/-204.357 χ^2/NDF:81.4/62

All: -136.635+/-145.637 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

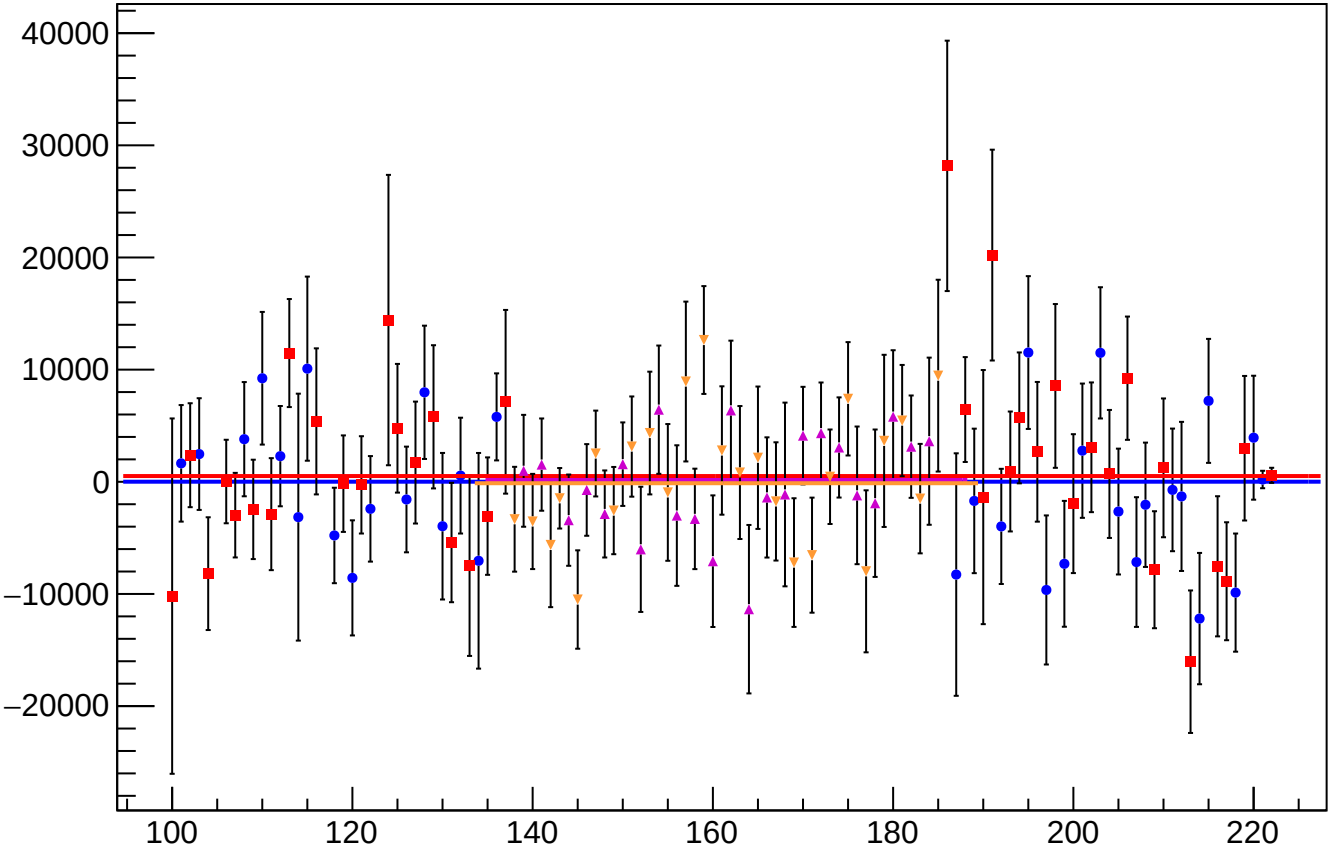
Right: 1300.437+/-0.141 χ^2/NDF: 2396463.4/71

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1297.675+/-0.144 χ^2/NDF:2081273.4/62

All: 1301.229+/-0.103 χ^2/NDF: 2676055.7/11

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: 512.135+/-544.063 χ^2/NDF: 48.5/37

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

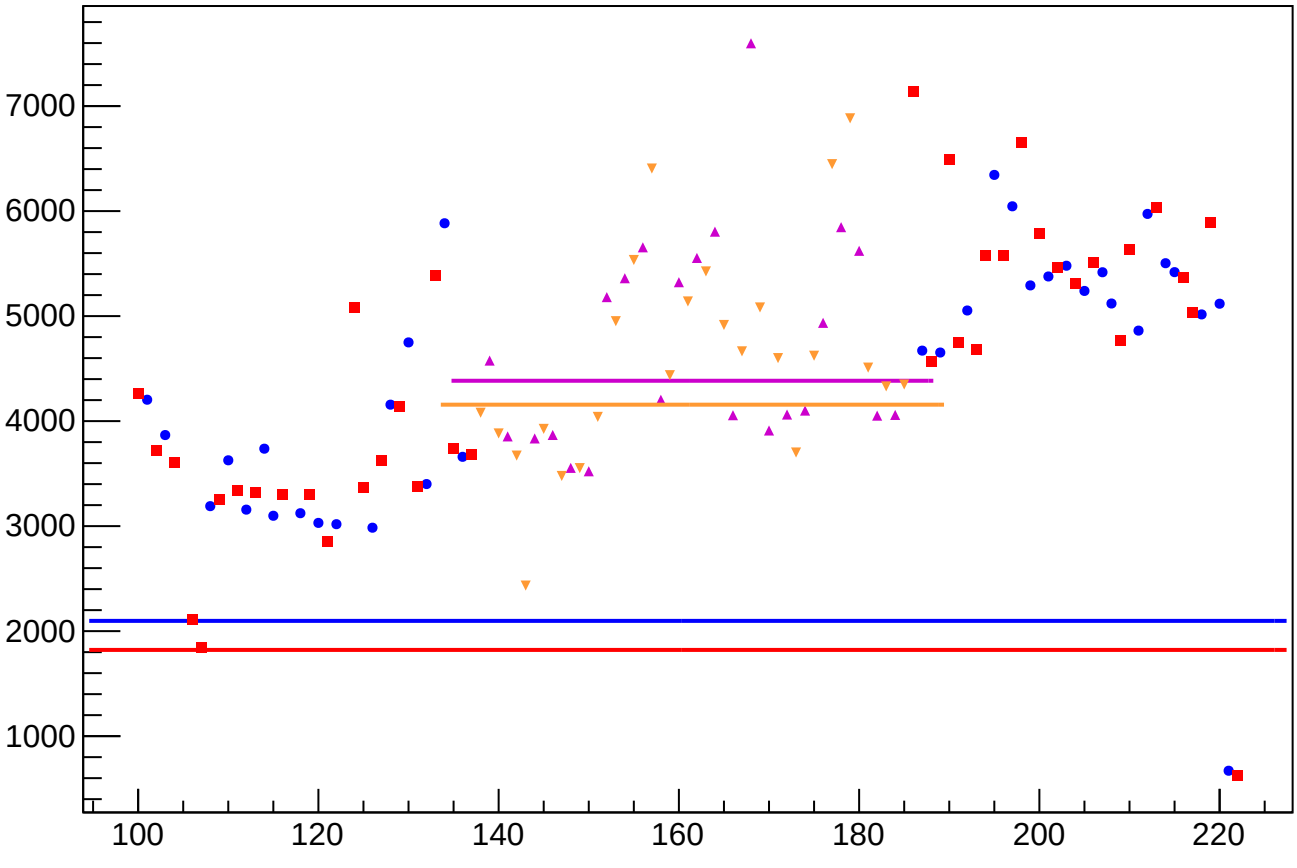
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 287.987+/-405.355 χ^2/NDF: 87.6/71

In: 46.484+/-525.409 χ^2/NDF:52.4/56

Out: 360.840+/-475.357 χ^2/NDF:77.4/62

All: 219.345+/-352.499 χ^2/NDF: 130.1/119



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: 1821.116+/-0.385 χ^2/NDF: 22137852.6/37

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

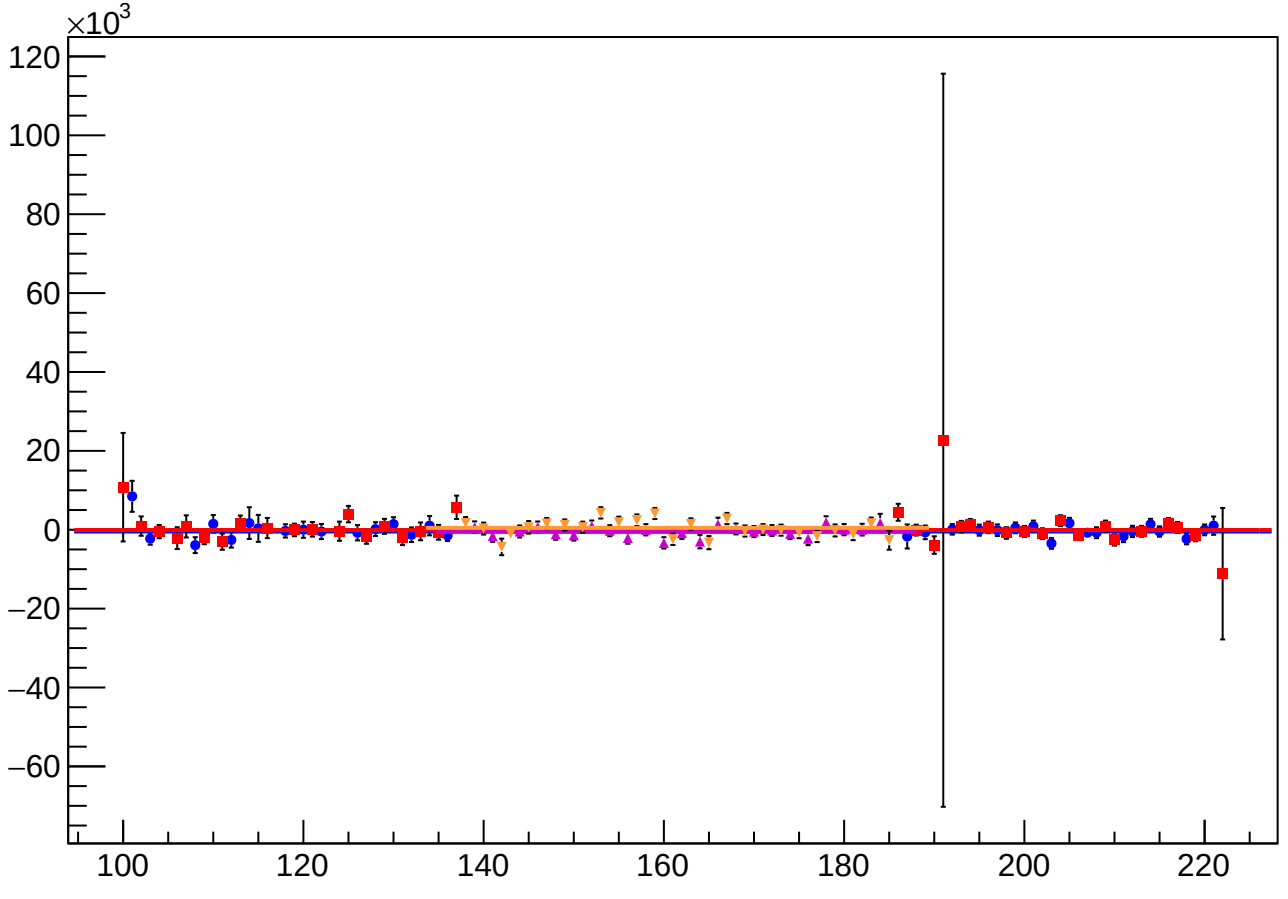
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 1944.162+/-0.287 χ^2/NDF: 41938749.6/71

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 2373.727+/-0.336 χ^2/NDF:32938791.4/62

All: 2509.409+/-0.249 χ^2/NDF: 61277986.6/1



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: -69.459+/-284.024 χ^2/NDF: 35.6/37

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

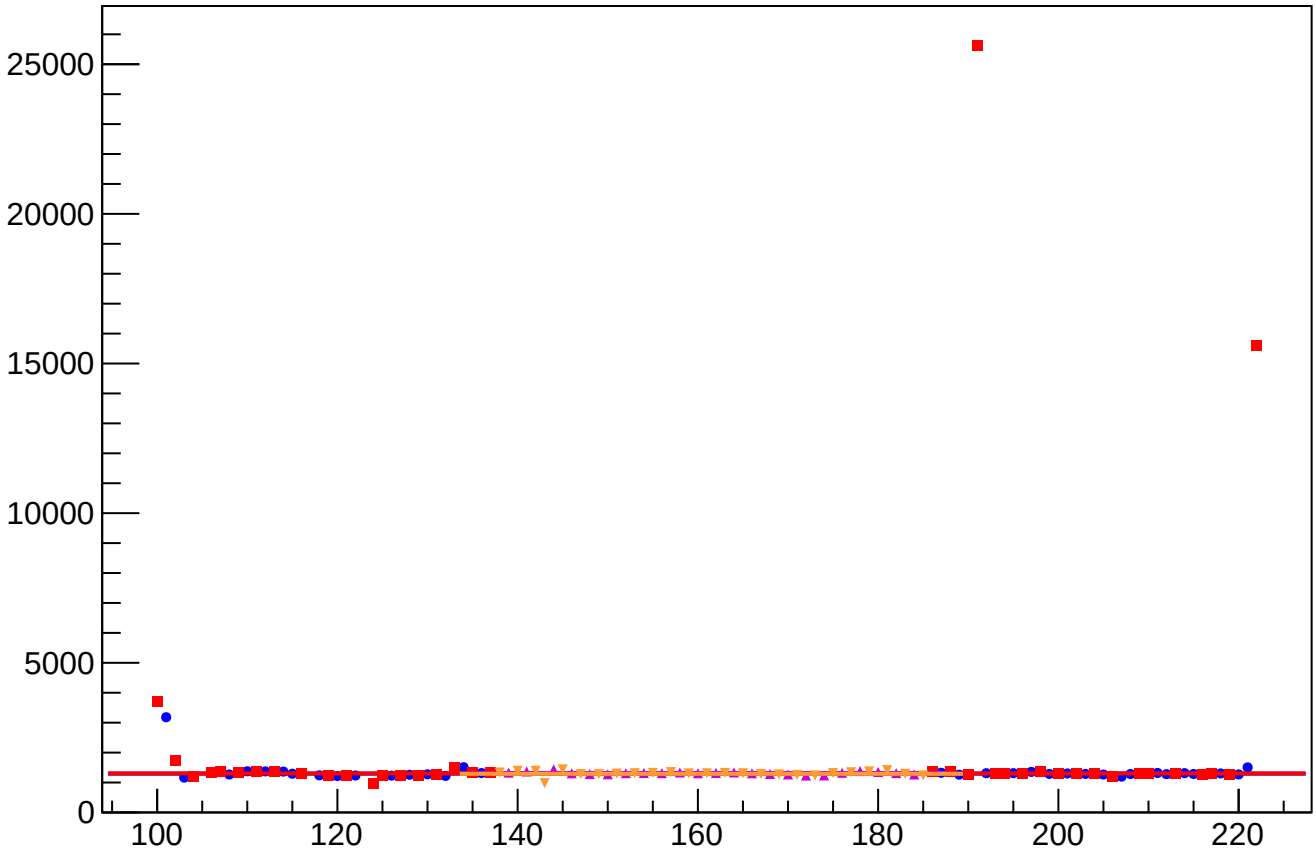
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -260.293+/-200.034 χ^2/NDF: 64.6/71

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 189.730+/-204.357 χ^2/NDF:81.4/62

All: -136.634+/-145.638 χ^2/NDF: 132.1/119



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: 1303.694+/-0.201 χ^2/NDF: 1848674.5/37

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

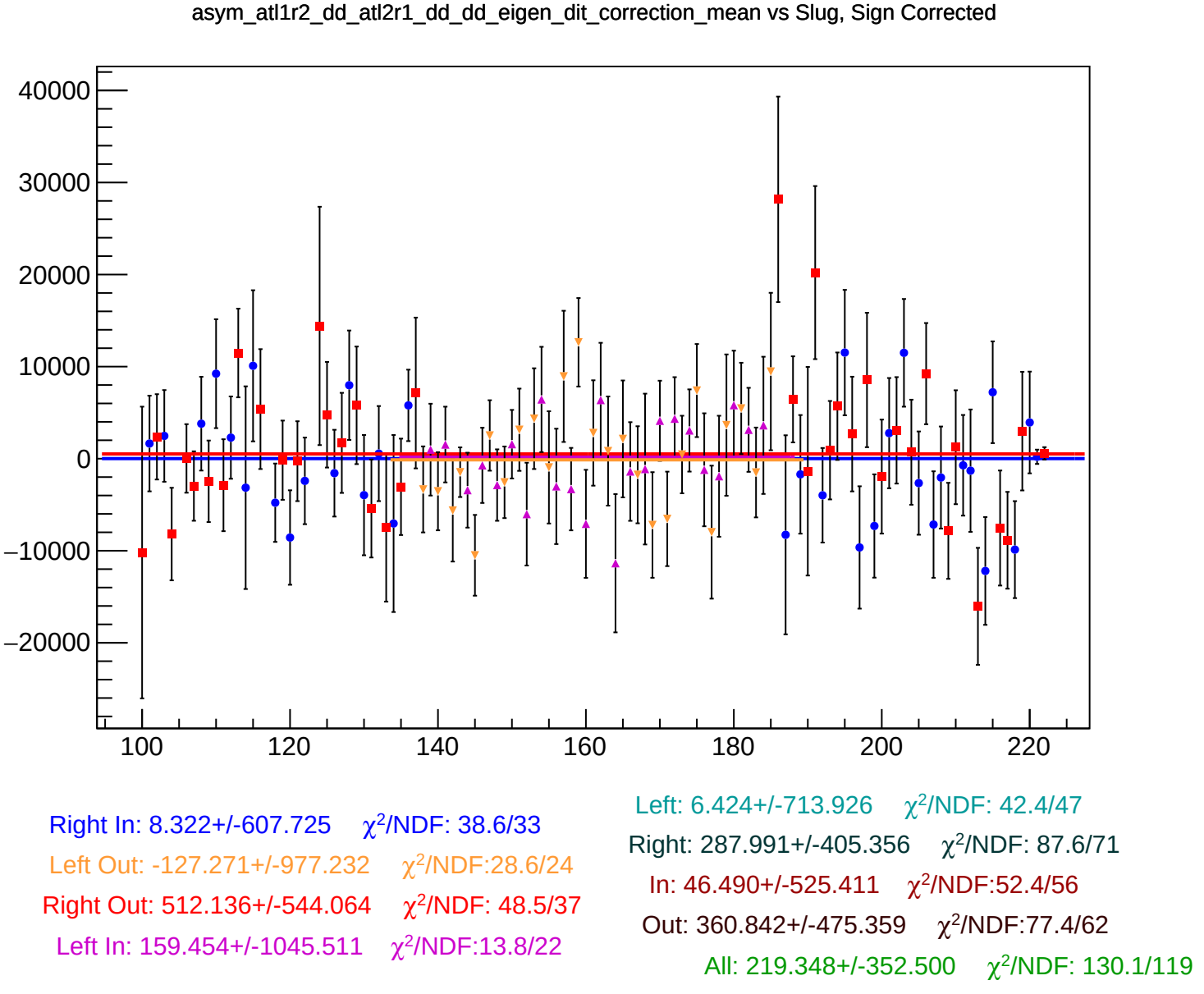
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1300.437+/-0.141 χ^2/NDF: 2396463.6/71

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1297.675+/-0.144 χ^2/NDF:2081275.6/62

All: 1301.230+/-0.103 χ^2/NDF: 2676060.6/11


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
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20000
10000
0
−10000
−20000
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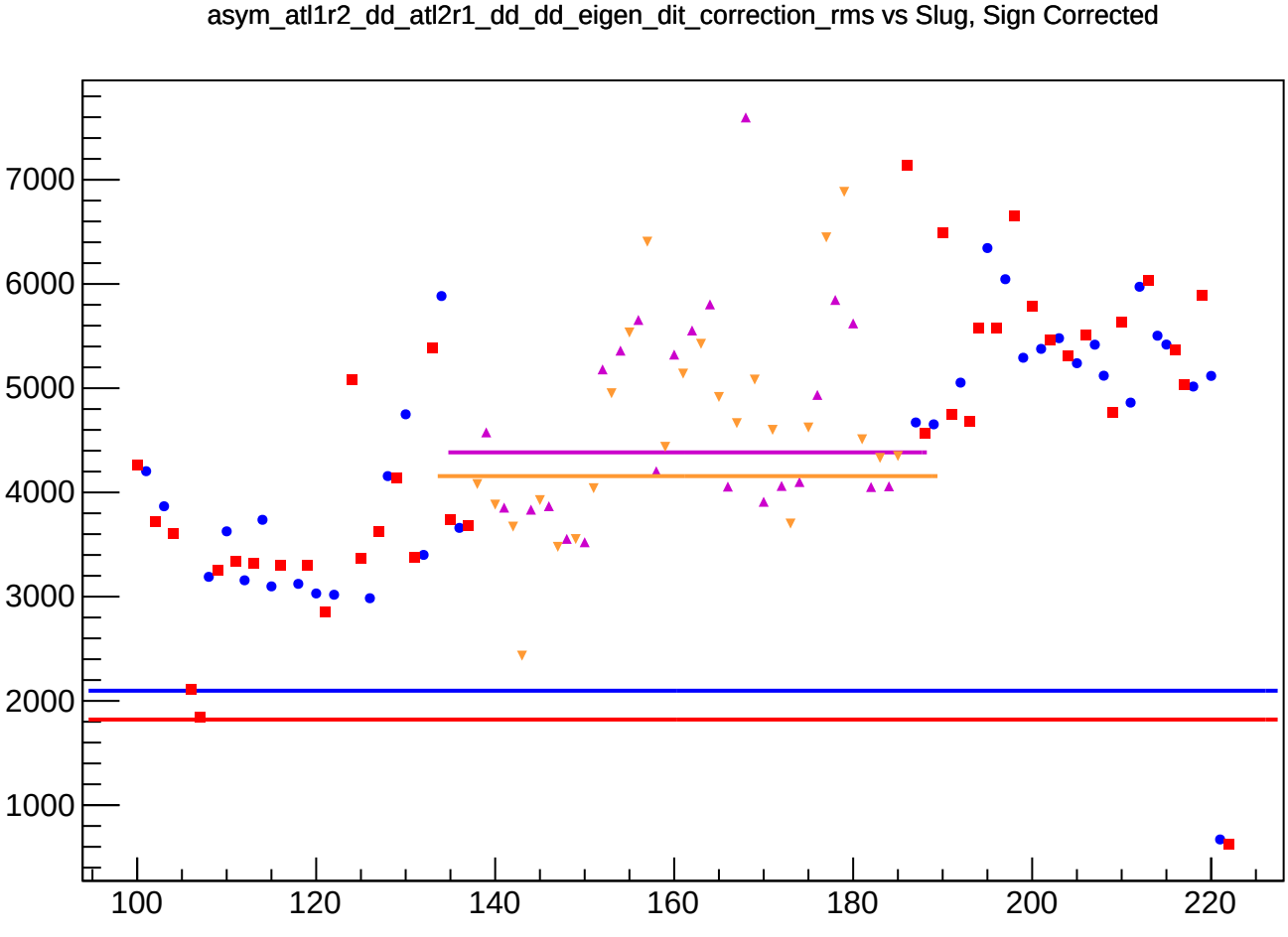
Right In: 8.322+/-607.725 χ²/NDF: 38.6/33
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 512.136+/-544.064 χ²/NDF: 48.5/37
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 287.991+/-405.356 χ²/NDF: 87.6/71
In: 46.490+/-525.411 χ²/NDF:52.4/56
Out: 360.842+/-475.359 χ²/NDF:77.4/62
All: 219.348+/-352.500 χ²/NDF: 130.1/119



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: 1821.126+/-0.385 χ^2/NDF: 22137753.5/37

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

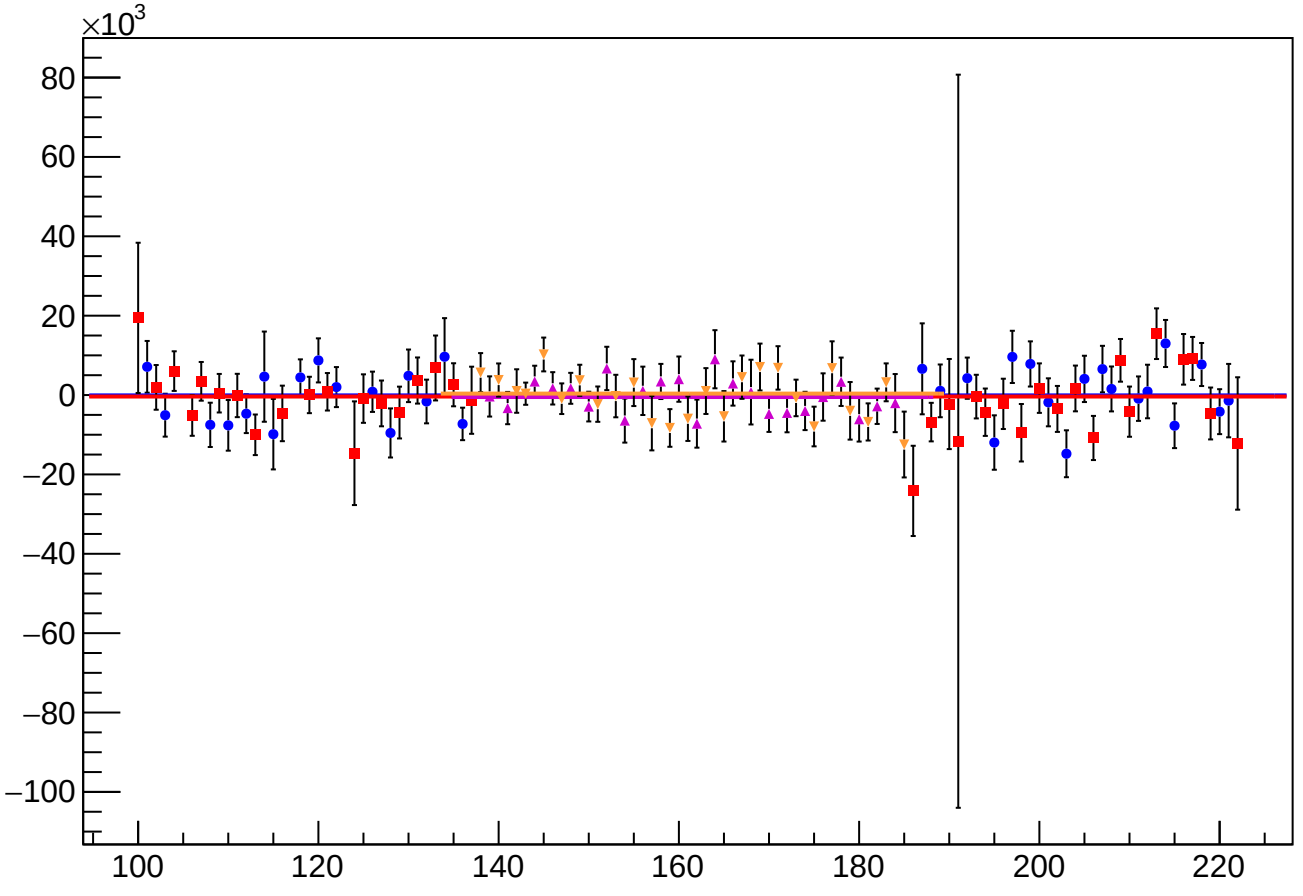
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 1944.175+/-0.287 χ^2/NDF: 41938503.9/71

In: 2675.184+/-0.372 χ^2/NDF:27976943.3/56

Out: 2373.737+/-0.336 χ^2/NDF:32938640.4/62

All: 2509.422+/-0.249 χ^2/NDF: 61277599.8/



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -373.022+/-994.542 χ^2/NDF: 39.6/37

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

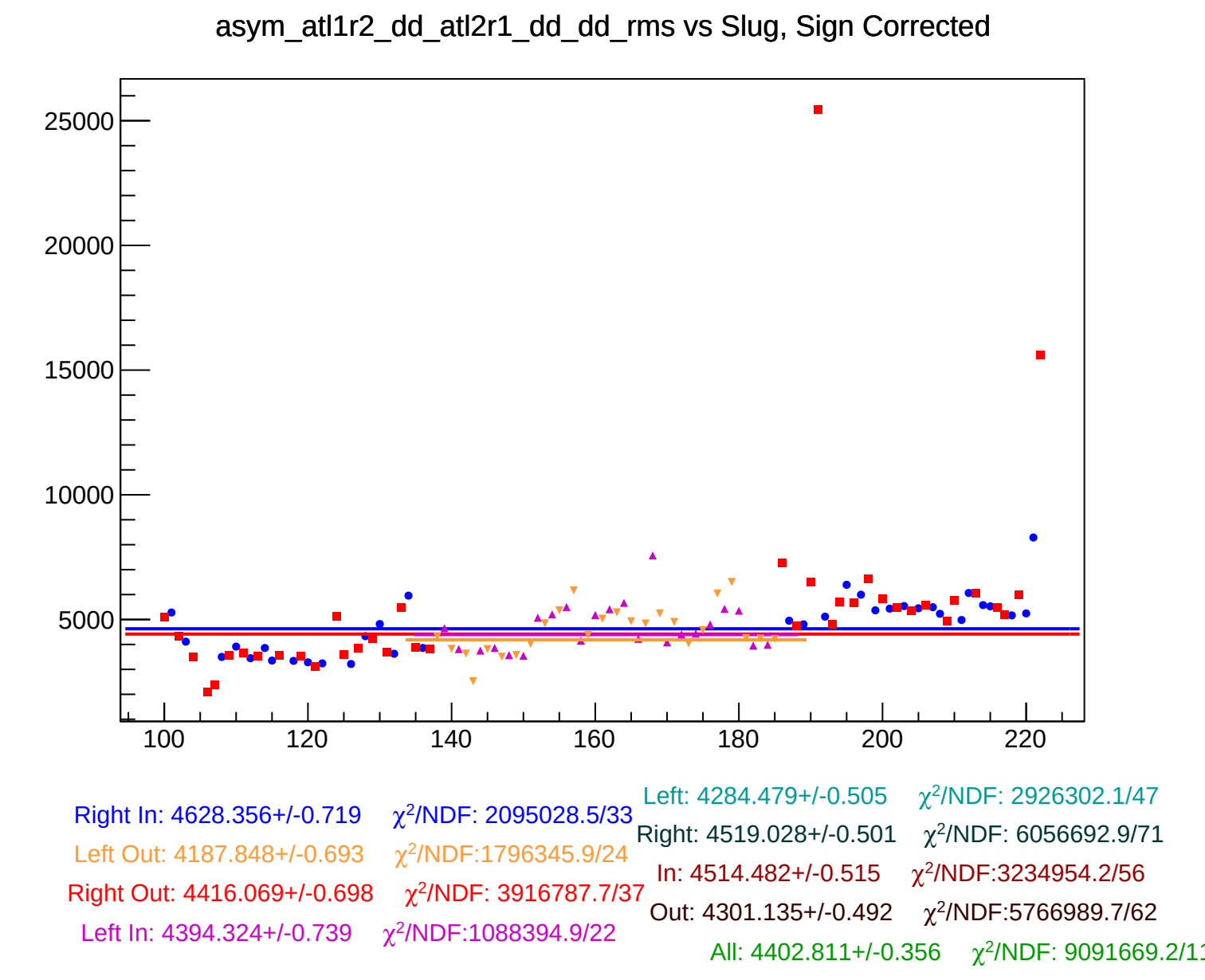
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

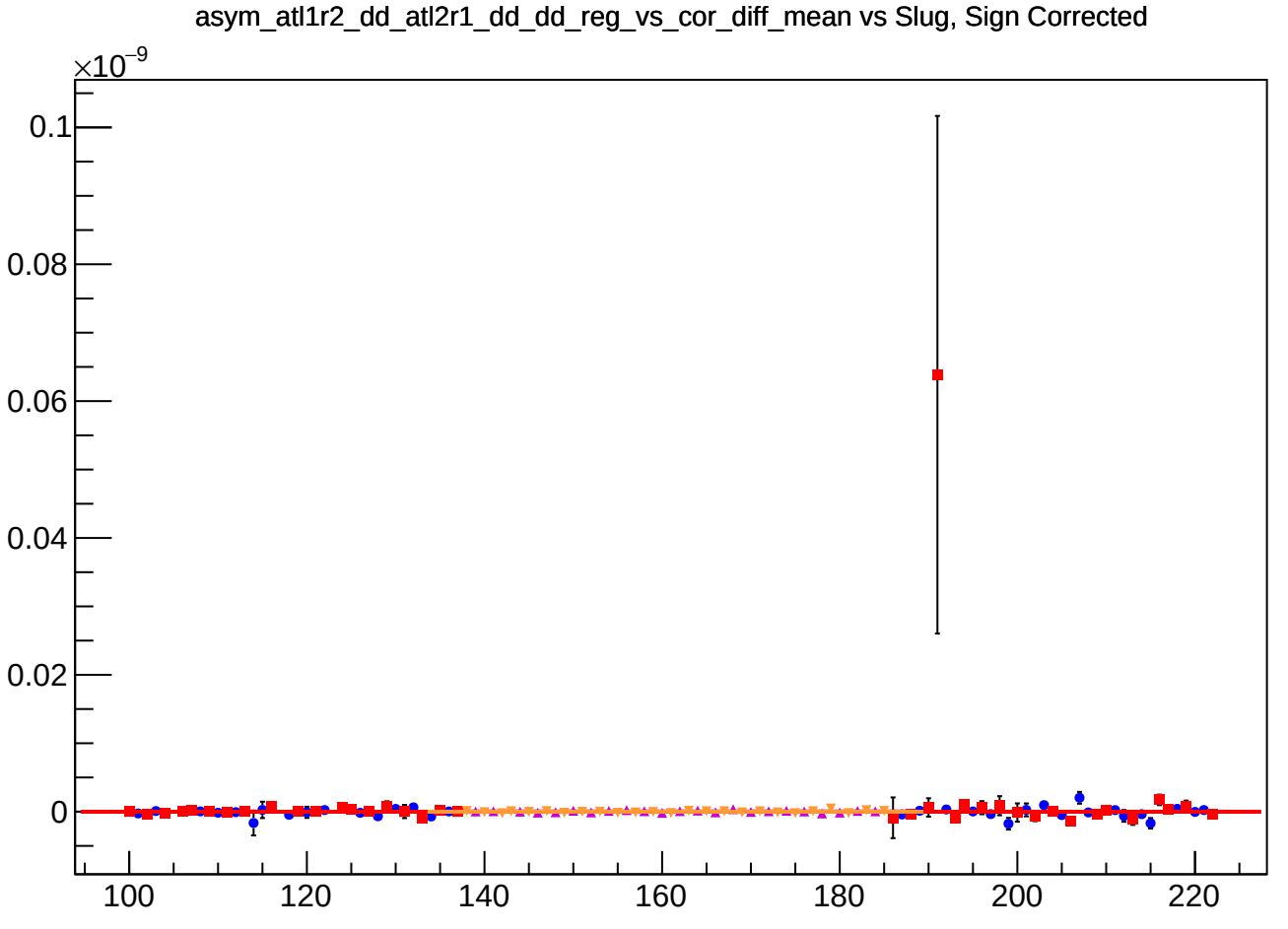
Right: -232.254+/-711.065 χ^2/NDF: 83.6/71

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 0.222+/-697.999 χ^2/NDF:67.6/62

All: -136.605+/-504.076 χ^2/NDF: 125.6/119


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: 4416.069+/-0.698 χ²/NDF: 3916787.7/37
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4519.028+/-0.501 χ²/NDF: 6056692.9/71
In: 4514.482+/-0.515 χ²/NDF:3234954.2/56
Out: 4301.135+/-0.492 χ²/NDF:5766989.7/62
All: 4402.811+/-0.356 χ²/NDF: 9091669.2/11



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: 44.9/37

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

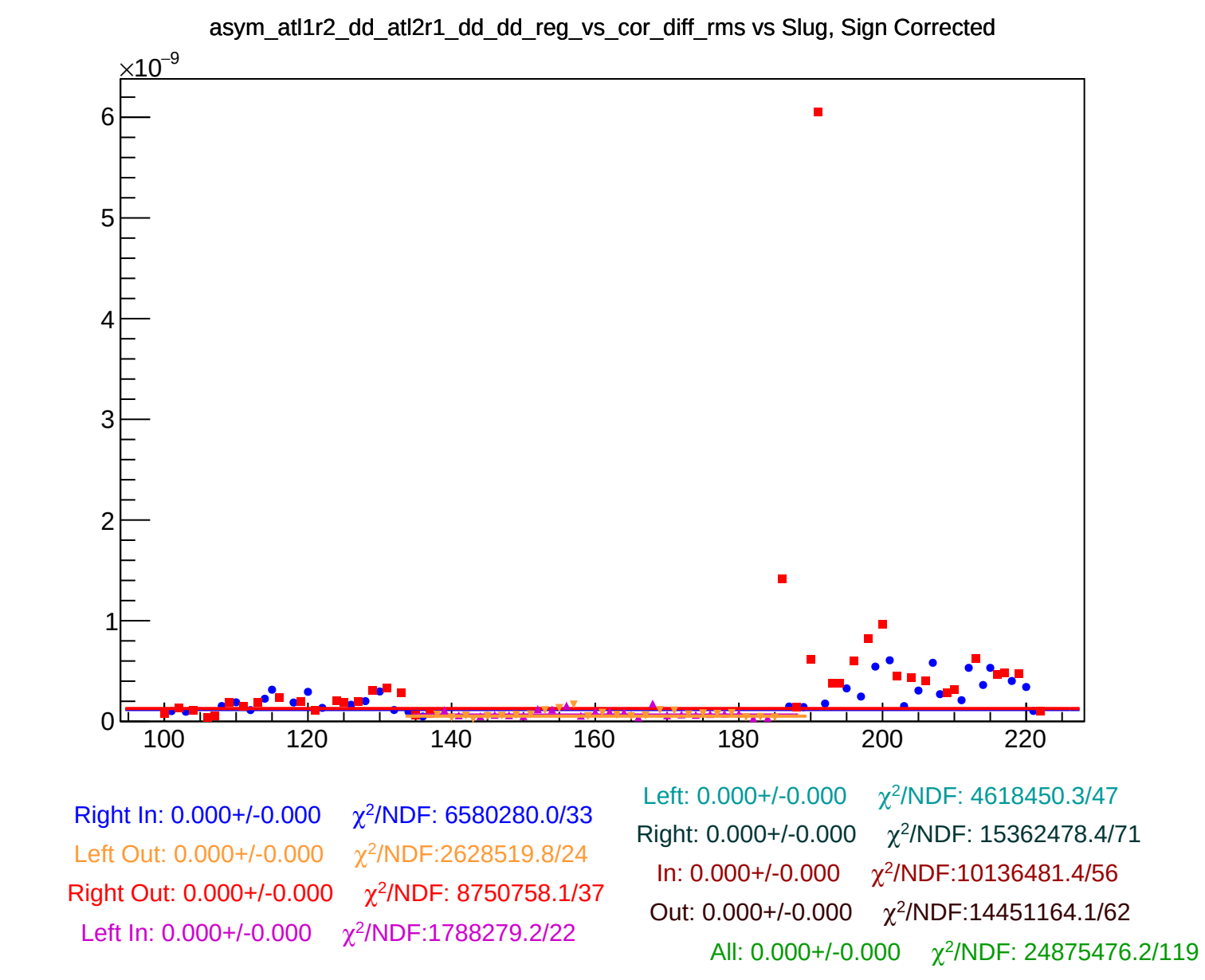
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/71

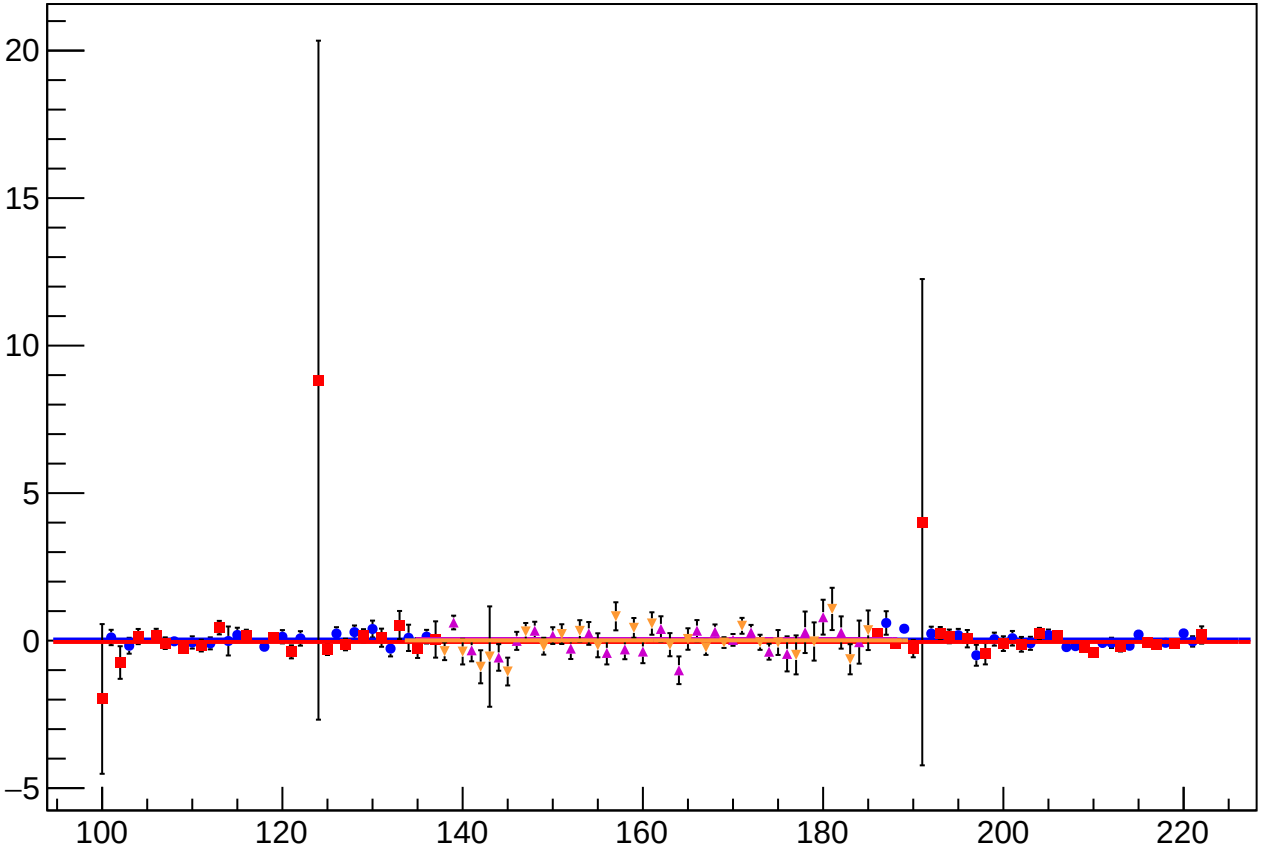
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 135.4/119


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: 8750758.1/37
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: 15362478.4/71
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14451164.1/62
All: 0.000+/-0.000 χ²/NDF: 24875476.2/119

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

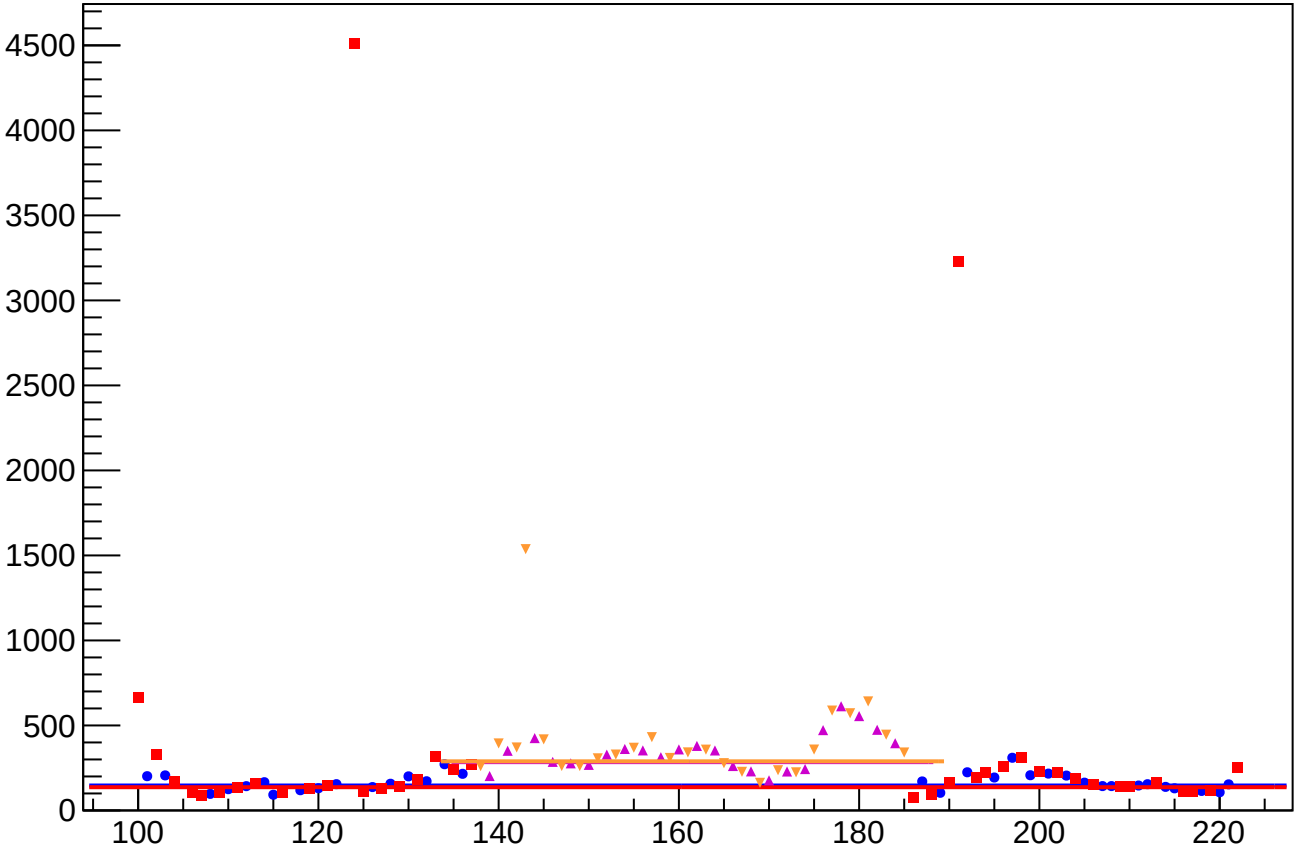
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

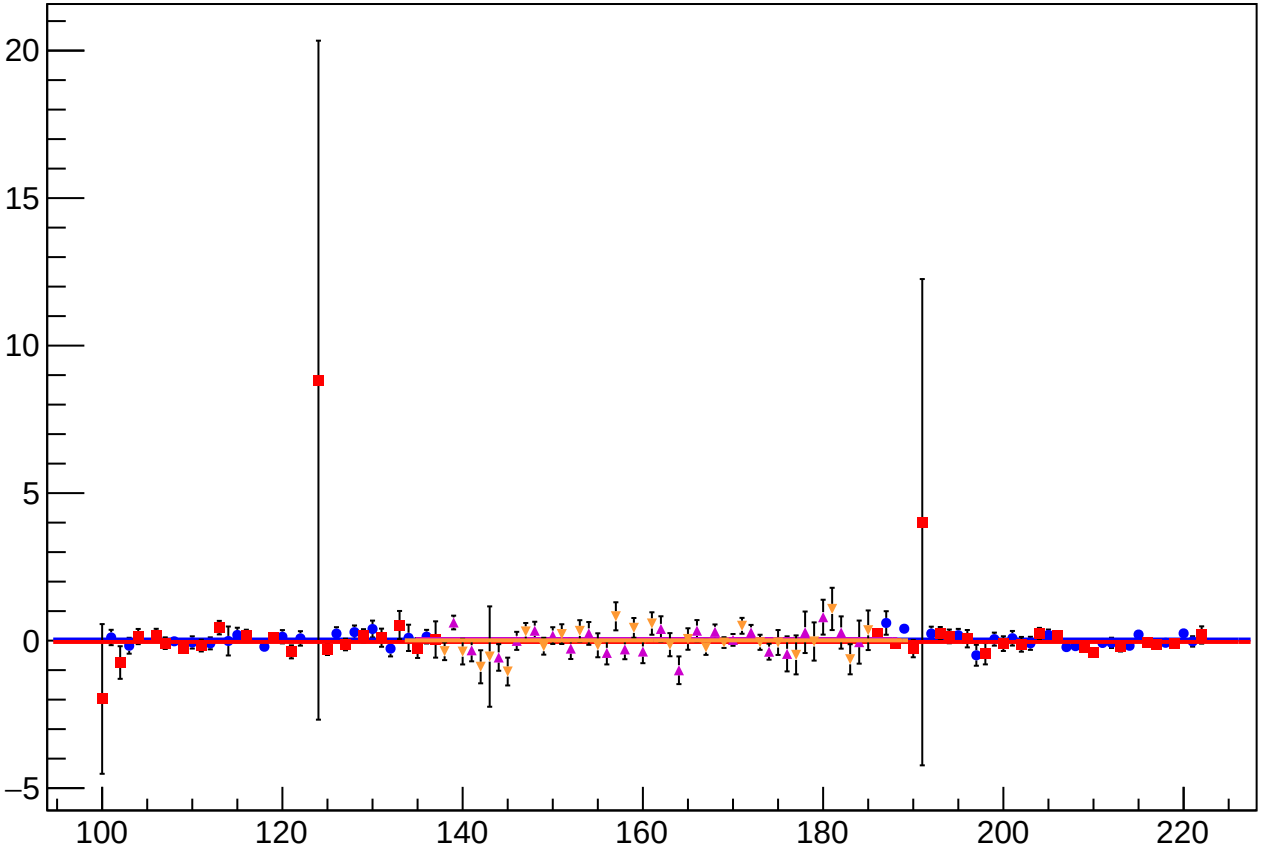
Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

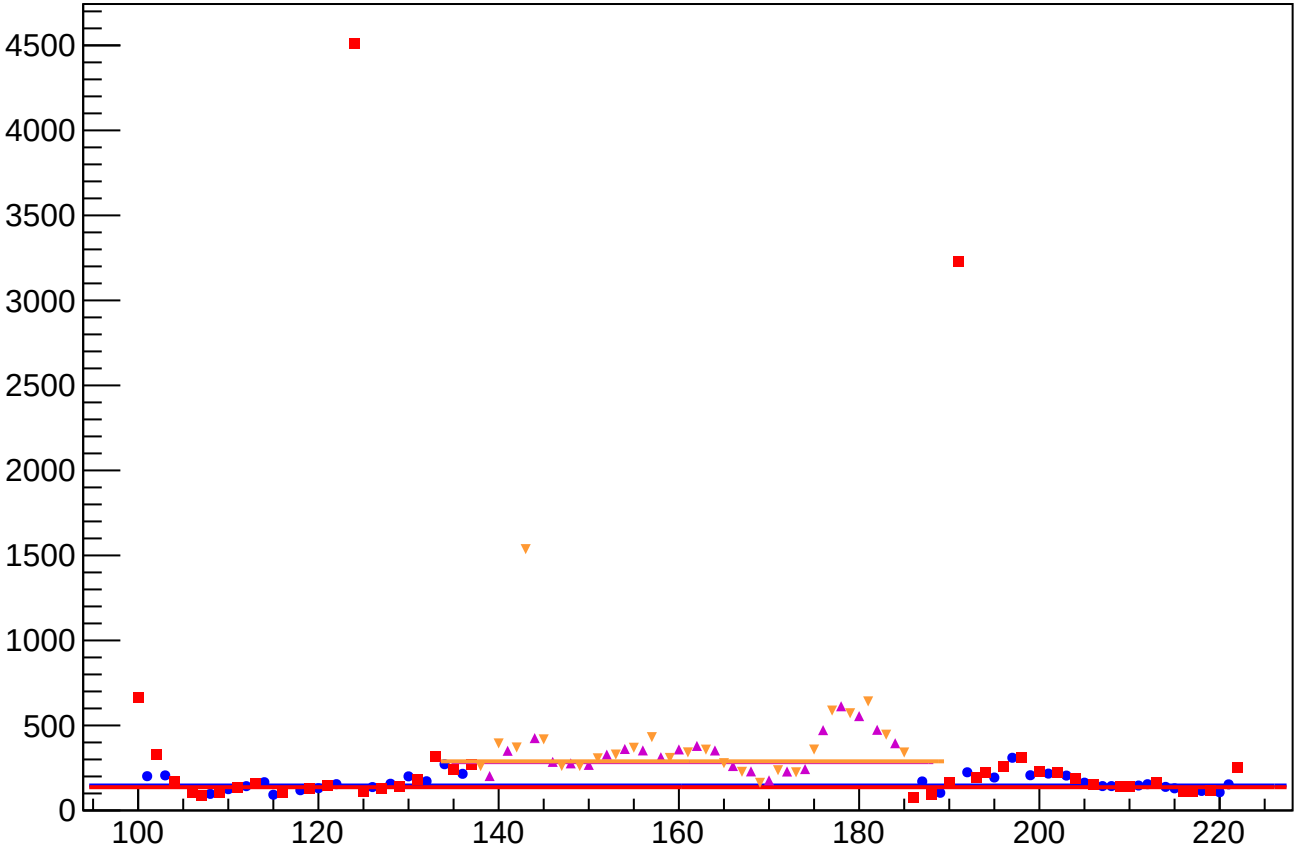
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.749+/-0.023 χ^2/NDF: 5252584.5/37

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

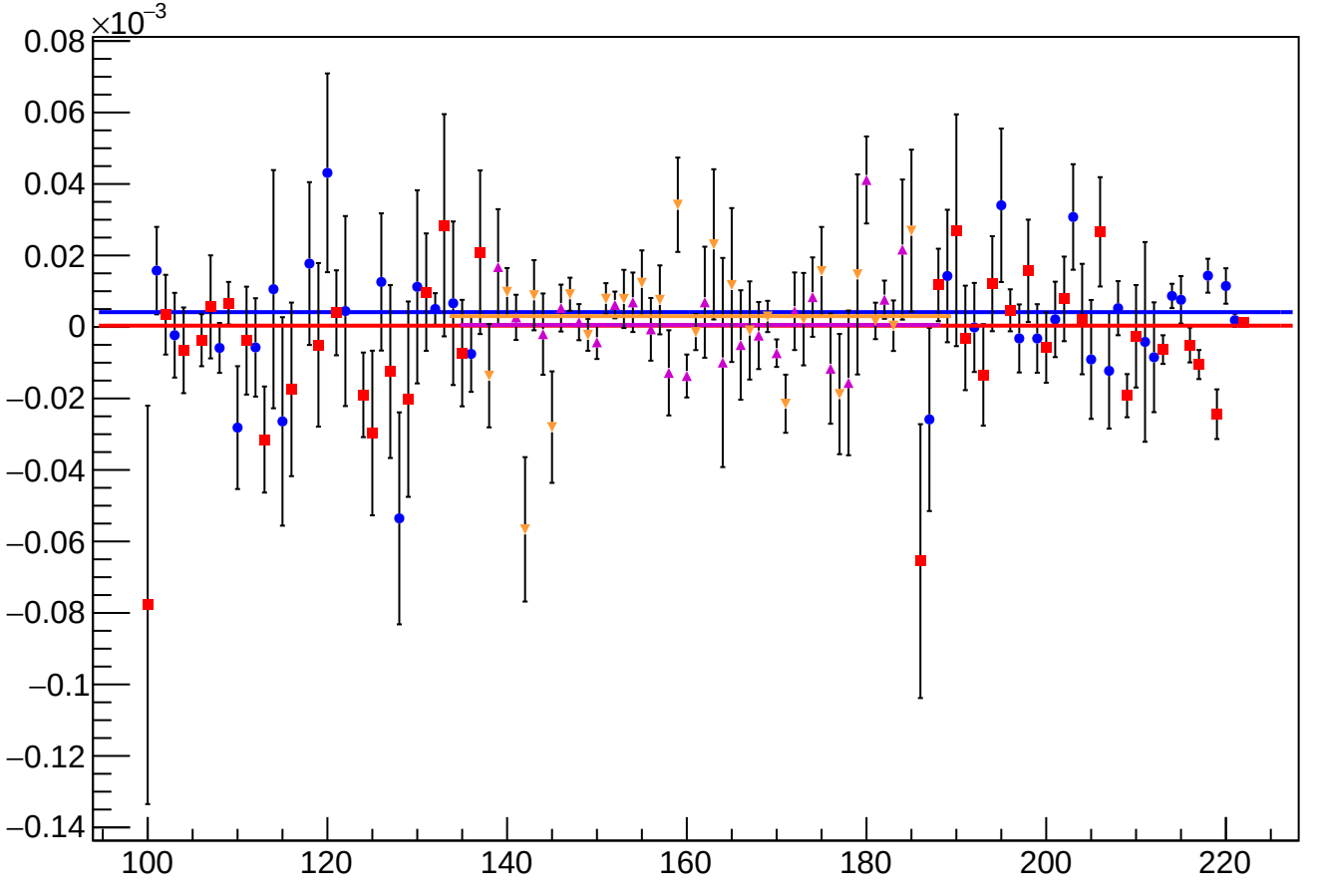
Right: 141.539+/-0.016 χ^2/NDF: 8132347.5/71

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.314+/-0.021 χ^2/NDF:17540682.8/62

All: 166.826+/-0.015 χ^2/NDF: 29746658.6/1

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 65.1/37

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

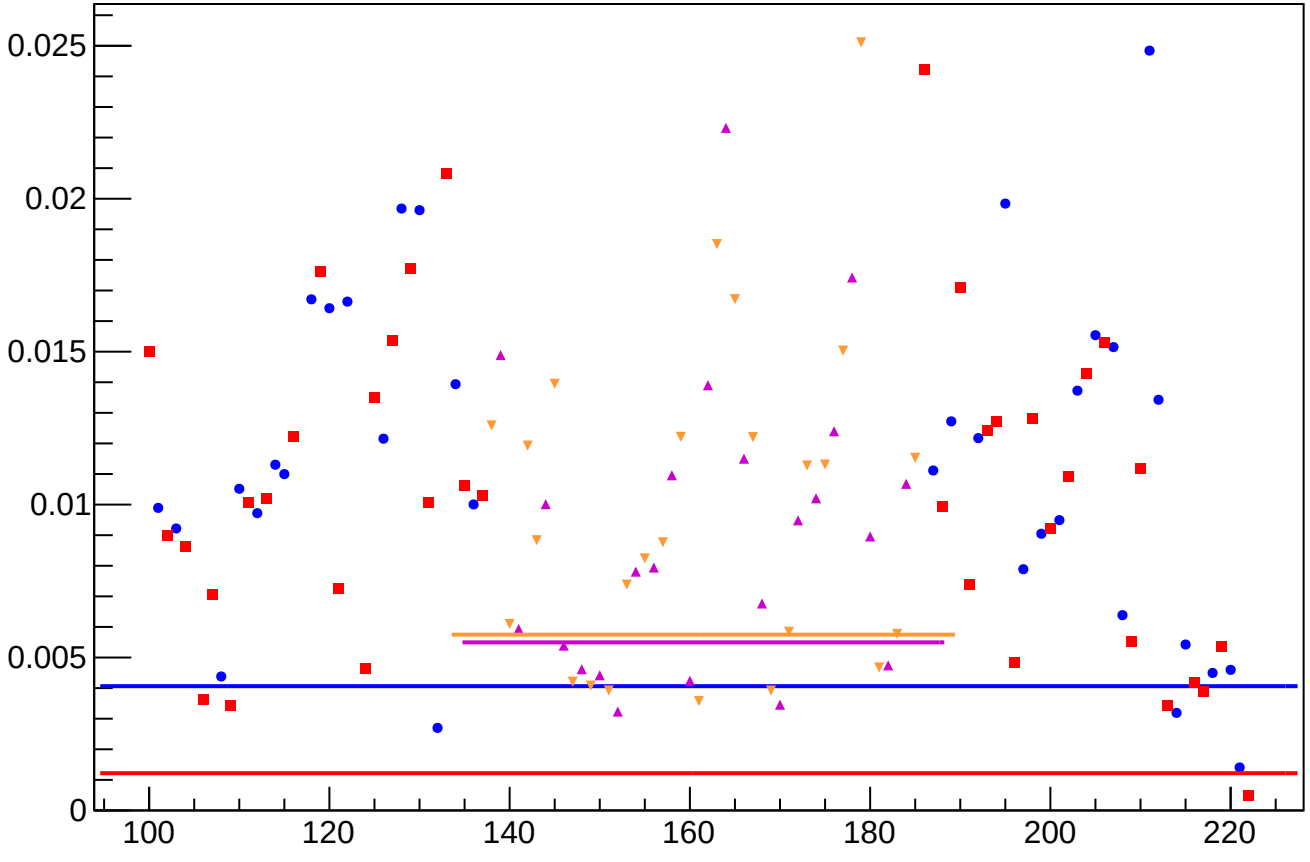
Right: 0.000+/-0.000 χ^2/NDF: 110.2/71

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/62

All: 0.000+/-0.000 χ^2/NDF: 187.3/119

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 32204412.1/37

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

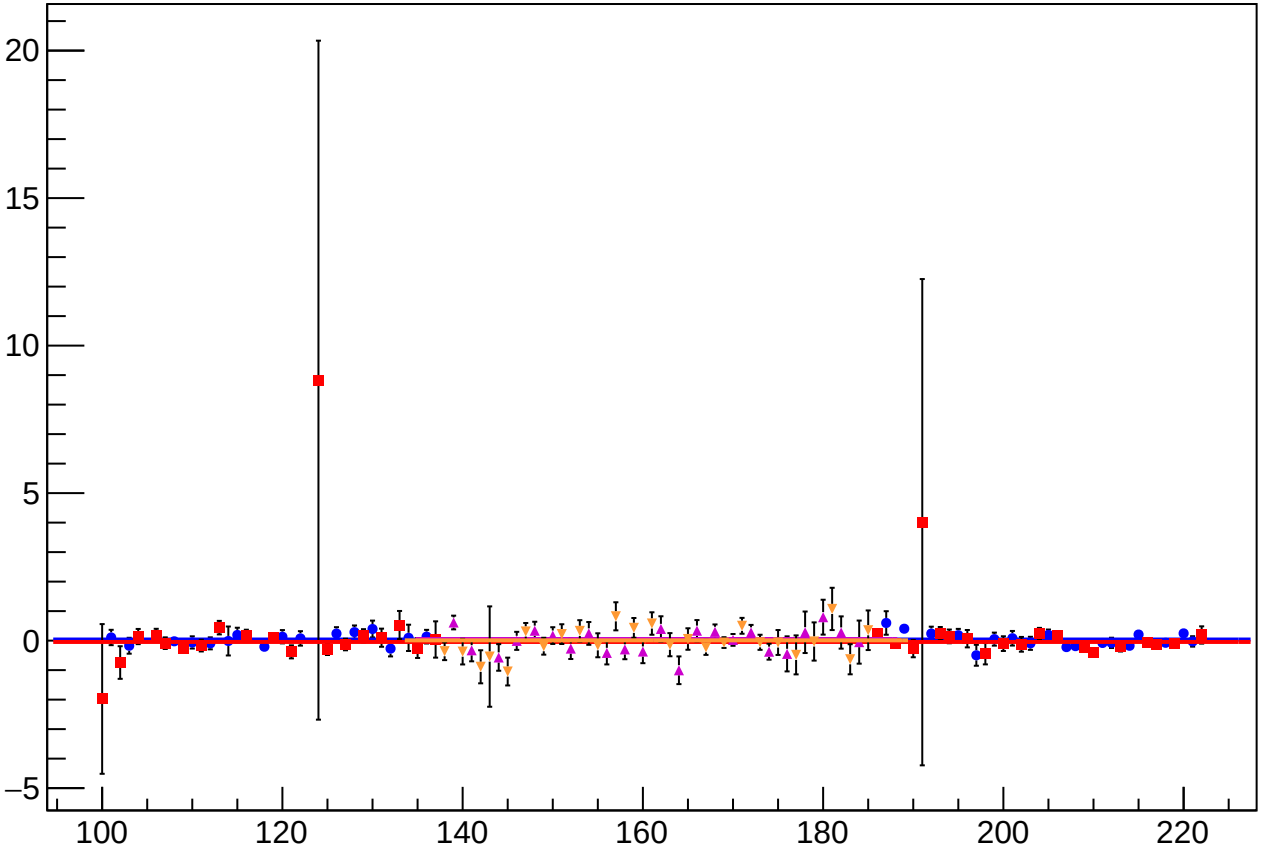
Right: 0.002+/-0.000 χ^2/NDF: 60160846.5/71

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:55886580.3/62

All: 0.002+/-0.000 χ^2/NDF: 96662357.2/119

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

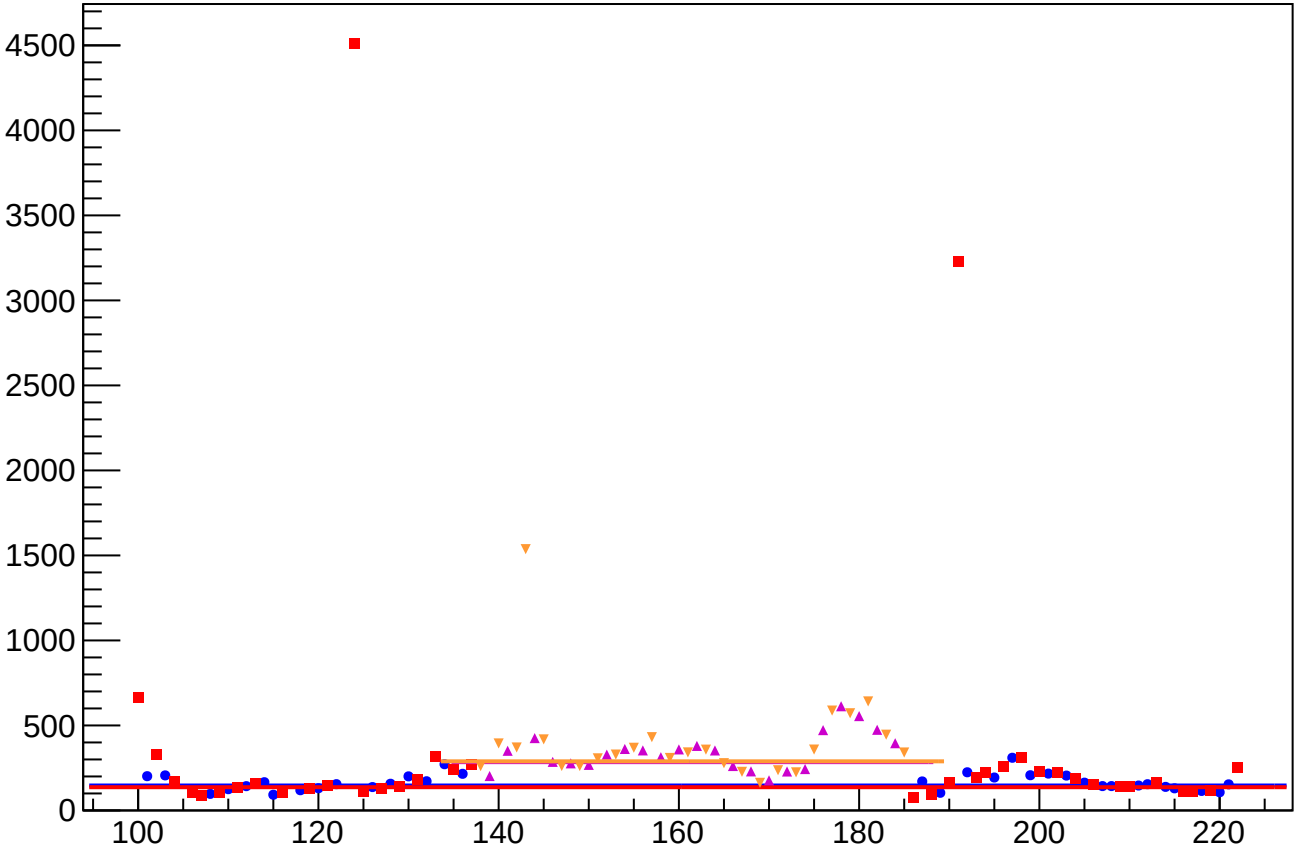
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

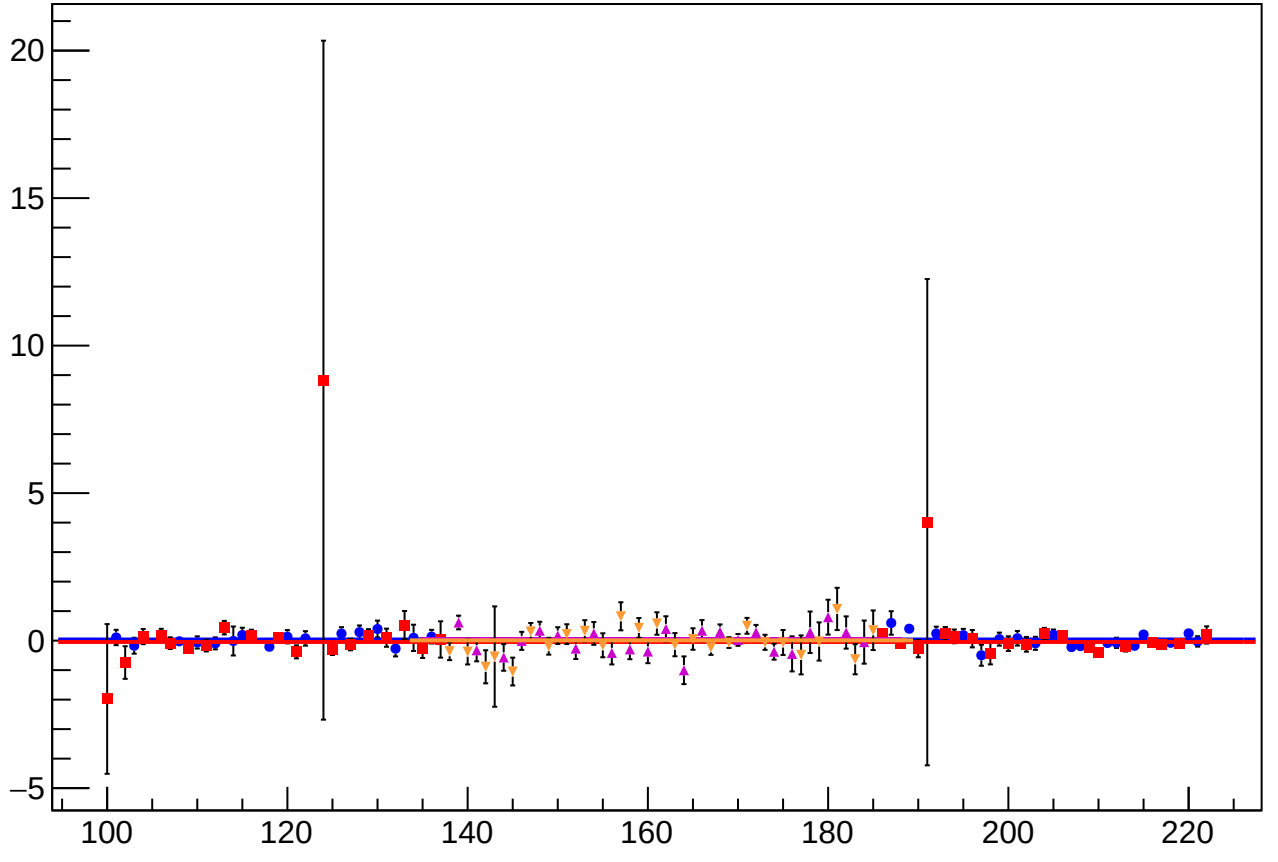
Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/1

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: -0.045+/-0.032 χ^2/NDF: 42.2/37

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

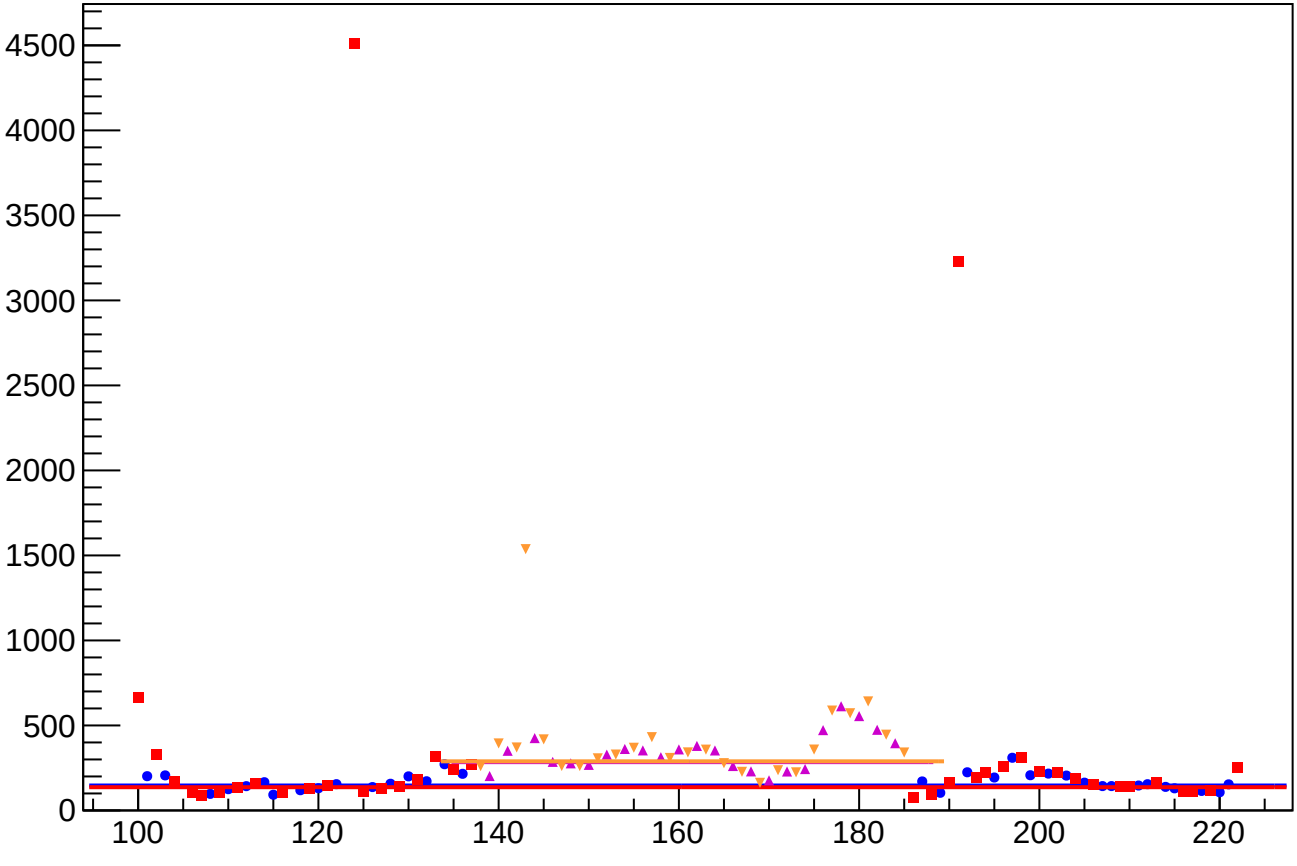
Right: -0.005+/-0.023 χ^2/NDF: 80.8/71

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.036+/-0.029 χ^2/NDF:71.6/62

All: 0.001+/-0.021 χ^2/NDF: 138.1/119

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: 136.750+/-0.023 χ^2/NDF: 5252402.3/37

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

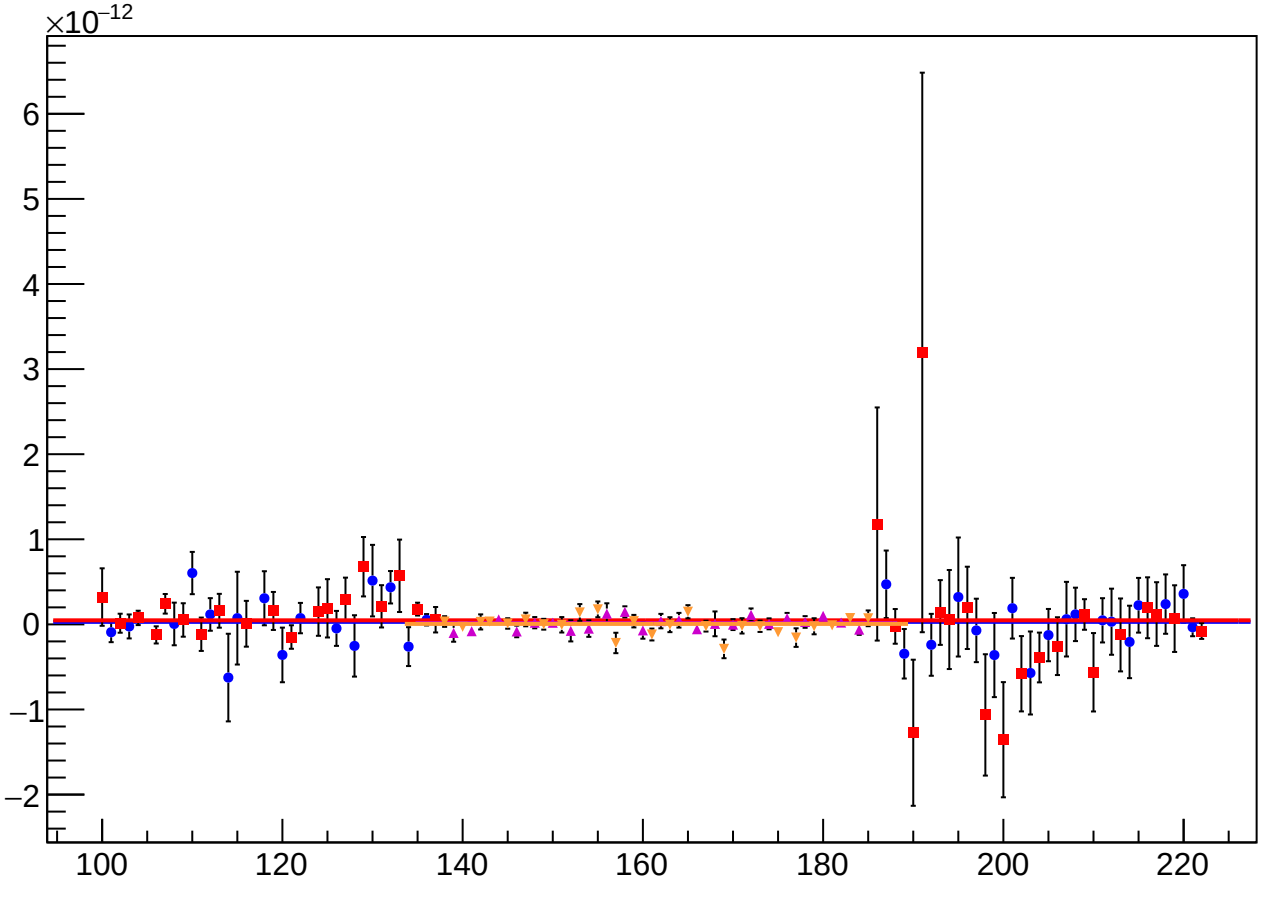
Right: 141.540+/-0.016 χ^2/NDF: 8132145.3/71

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.316+/-0.021 χ^2/NDF:17540453.4/62

All: 166.827+/-0.015 χ^2/NDF: 29746535.9/11

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: 39.5/37

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

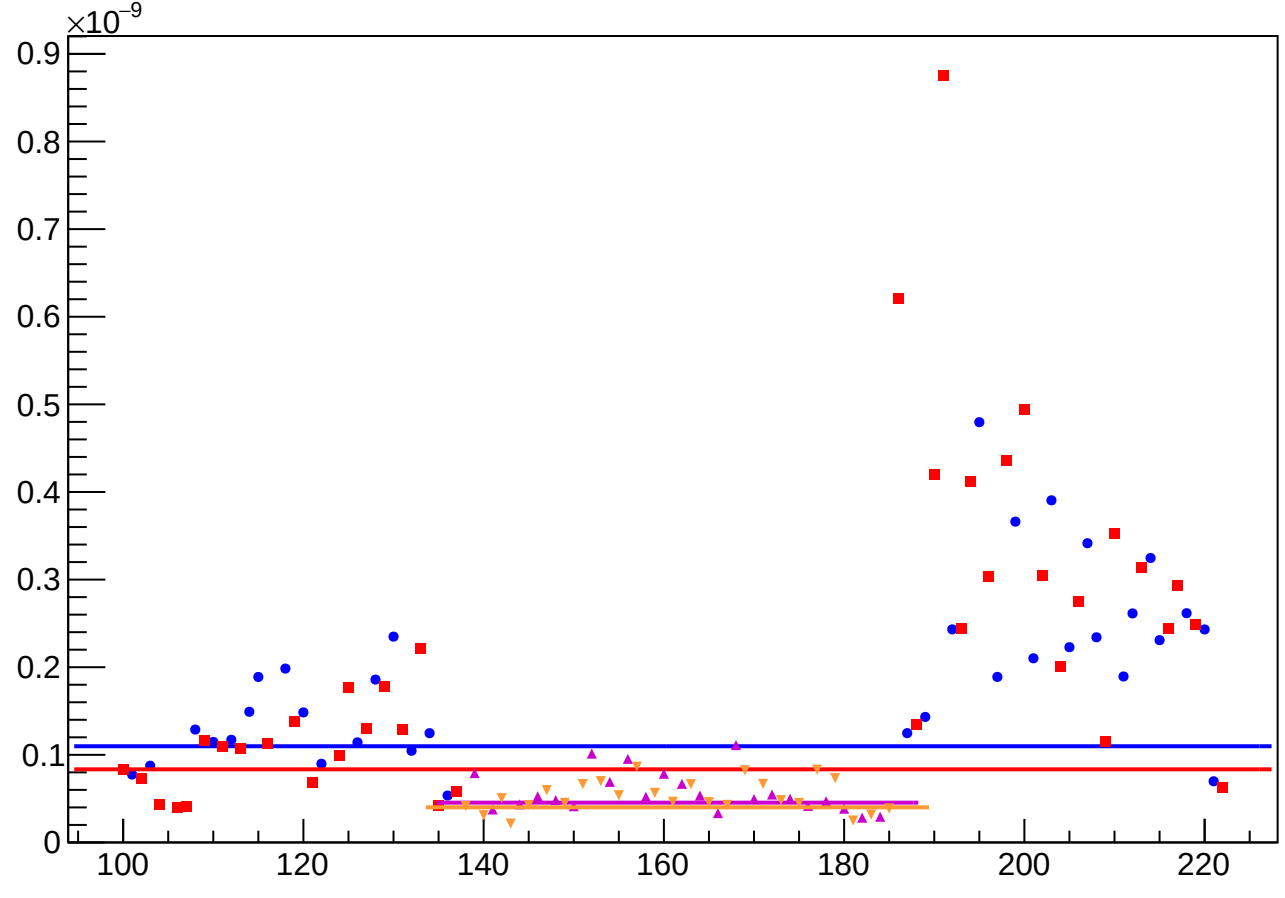
Right: 0.000+/-0.000 χ^2/NDF: 67.5/71

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:75.3/62

All: 0.000+/-0.000 χ^2/NDF: 126.6/119

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7882944.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10486906.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

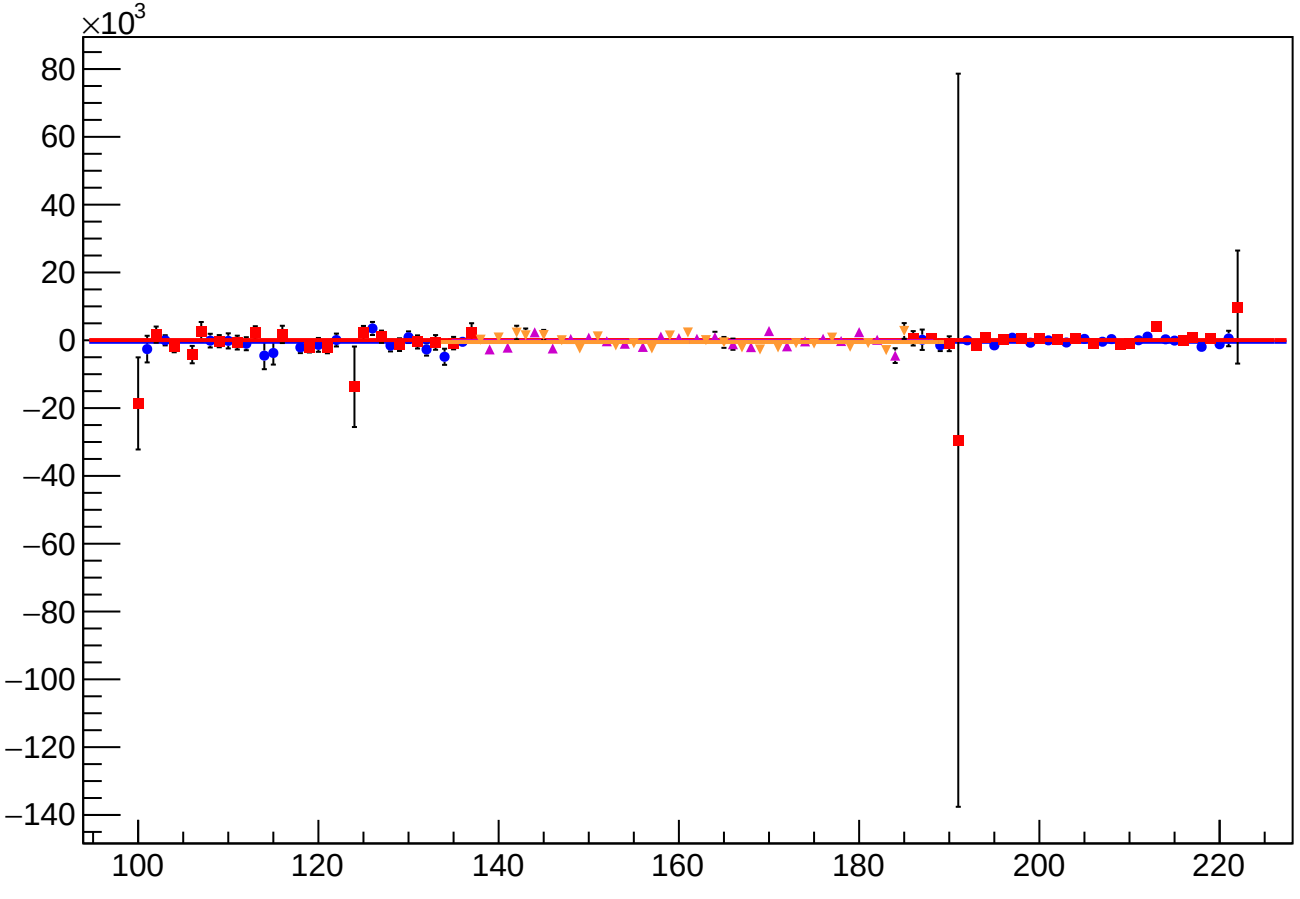
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18998642.2/71

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17649899.3/62

All: 0.000+/-0.000 χ^2/NDF: 34243233.3/119



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: 63.523+/-280.532 χ^2/NDF: 30.6/37

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

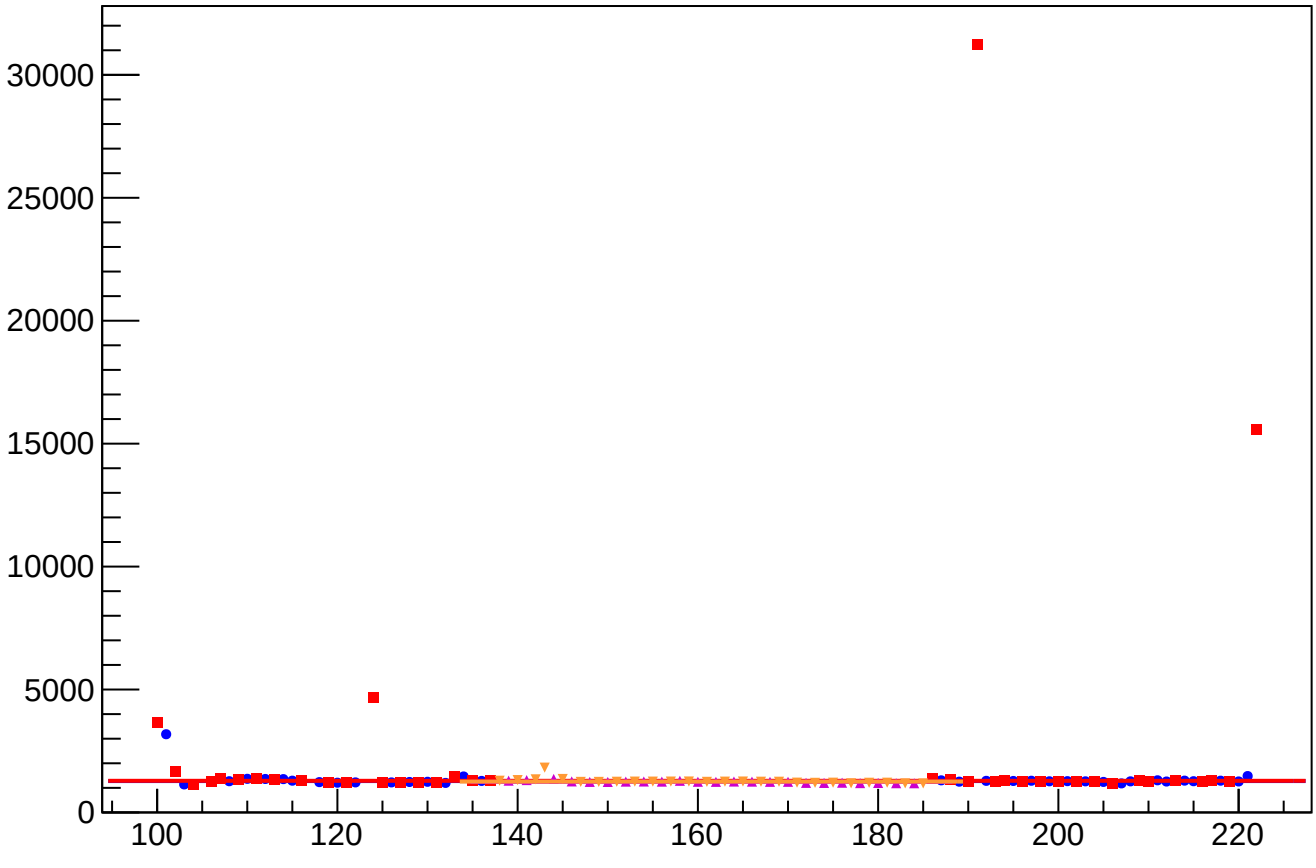
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -194.879+/-197.213 χ^2/NDF: 52.2/71

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -219.958+/-200.252 χ^2/NDF:63.6/62

All: -284.807+/-141.794 χ^2/NDF: 116.1/119



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: 1286.922+/-0.198 χ^2/NDF: 1981478.7/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

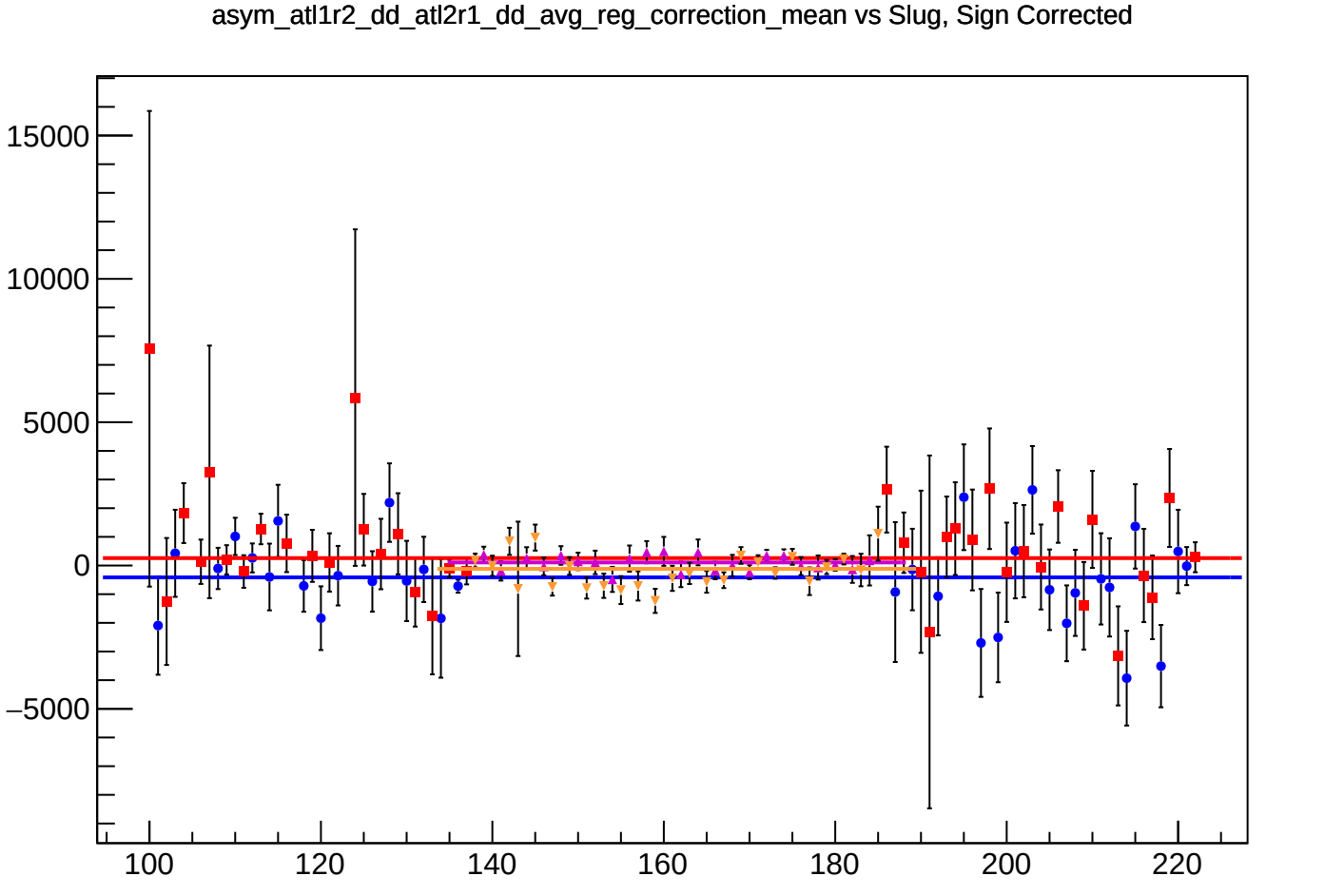
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.728+/-0.139 χ^2/NDF: 2533635.1/71

In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1271.518+/-0.142 χ^2/NDF:2196898.3/62

All: 1266.893+/-0.100 χ^2/NDF: 2801051.2/11



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: 258.660+/-148.305 χ^2/NDF: 30.4/37

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

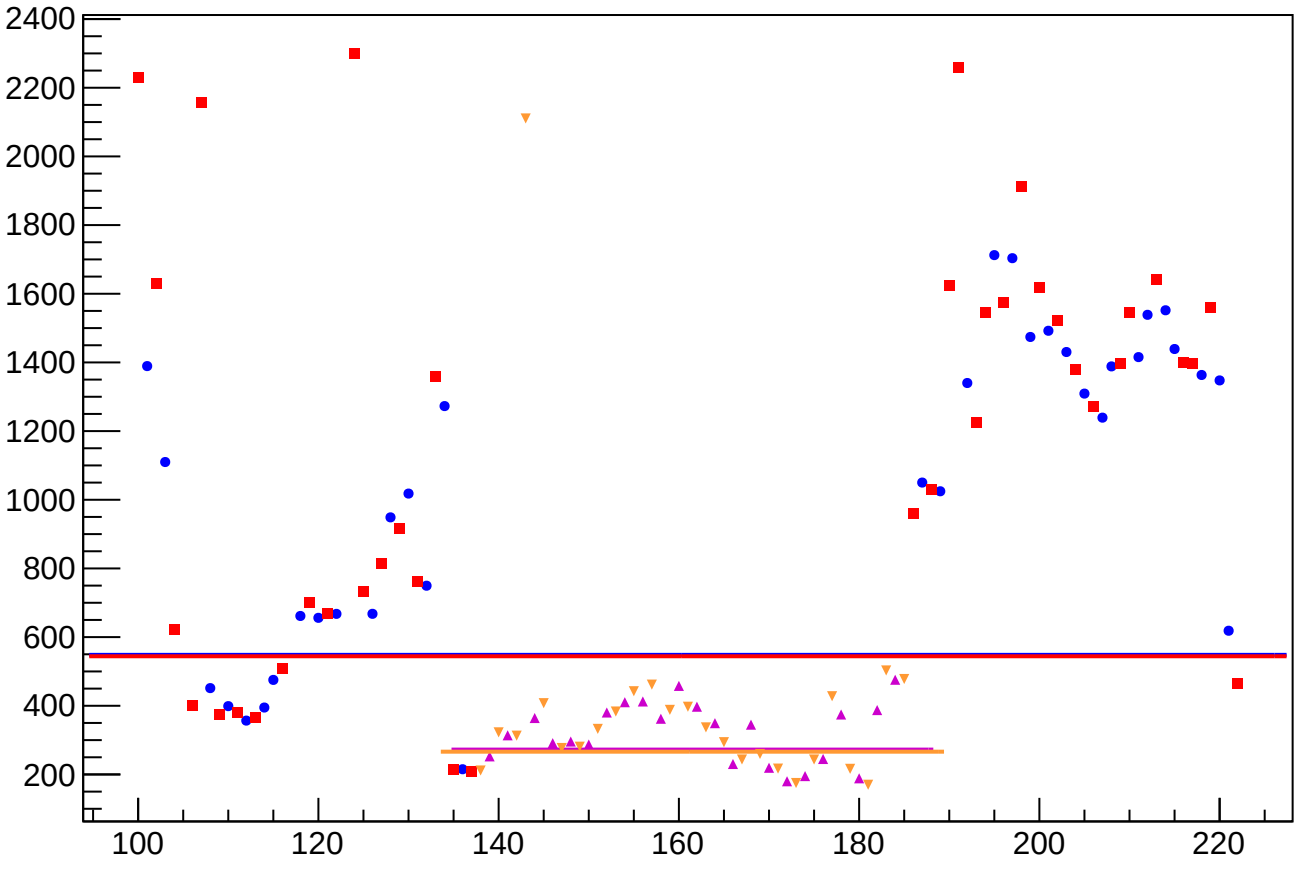
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -74.855+/-105.351 χ^2/NDF: 82.1/71

In: 20.220+/-61.154 χ^2/NDF:65.4/56

Out: -56.398+/-59.578 χ^2/NDF:84.2/62

All: -19.088+/-42.674 χ^2/NDF: 150.4/119



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: 544.199+/-0.105 χ^2/NDF: 16566375.3/37

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

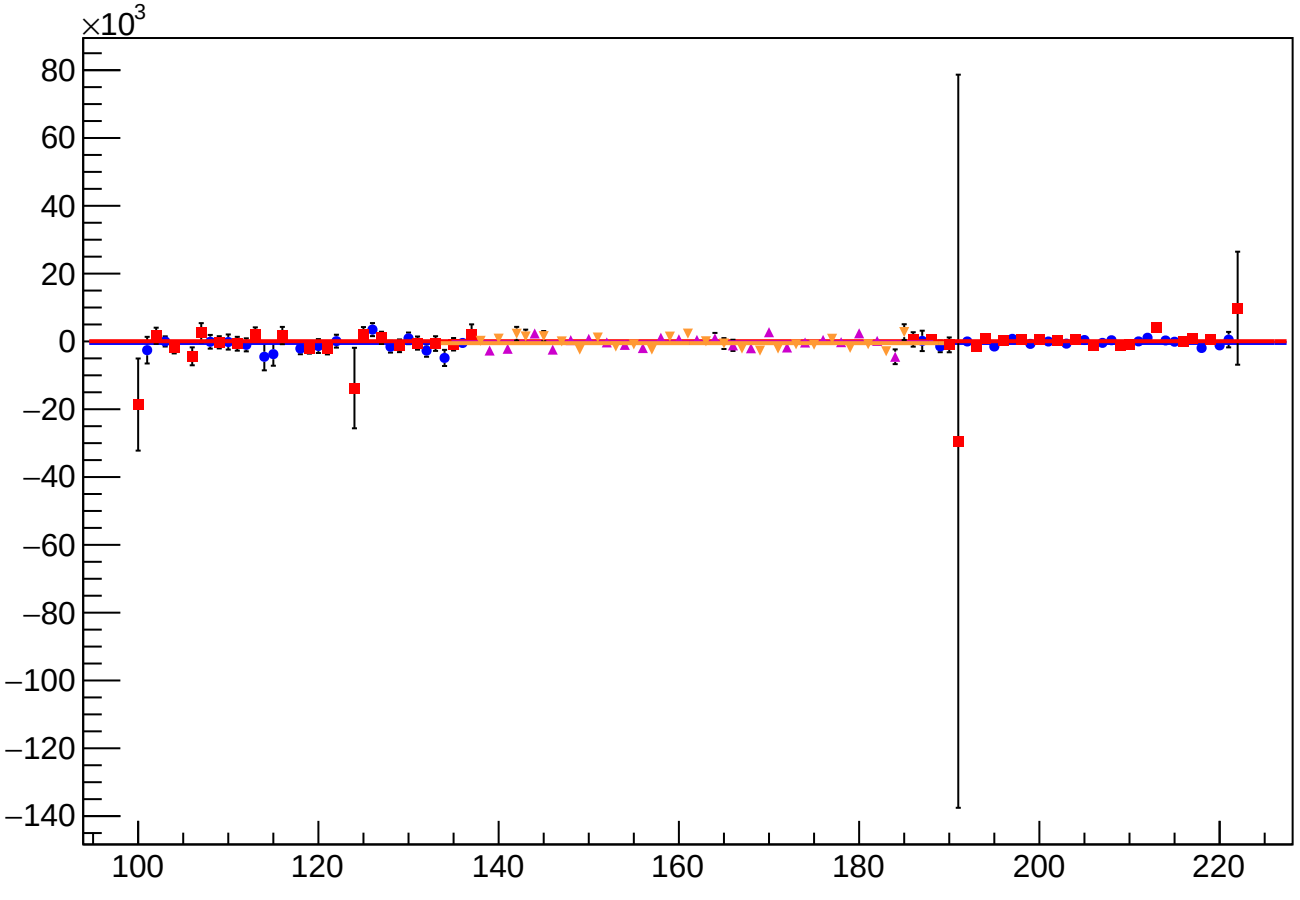
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 546.230+/-0.074 χ^2/NDF: 33146596.8/71

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 311.166+/-0.042 χ^2/NDF:27084811.1/62

All: 314.701+/-0.030 χ^2/NDF: 52228572.3/11



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: 64.674+/-280.632 χ^2/NDF: 30.6/37

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

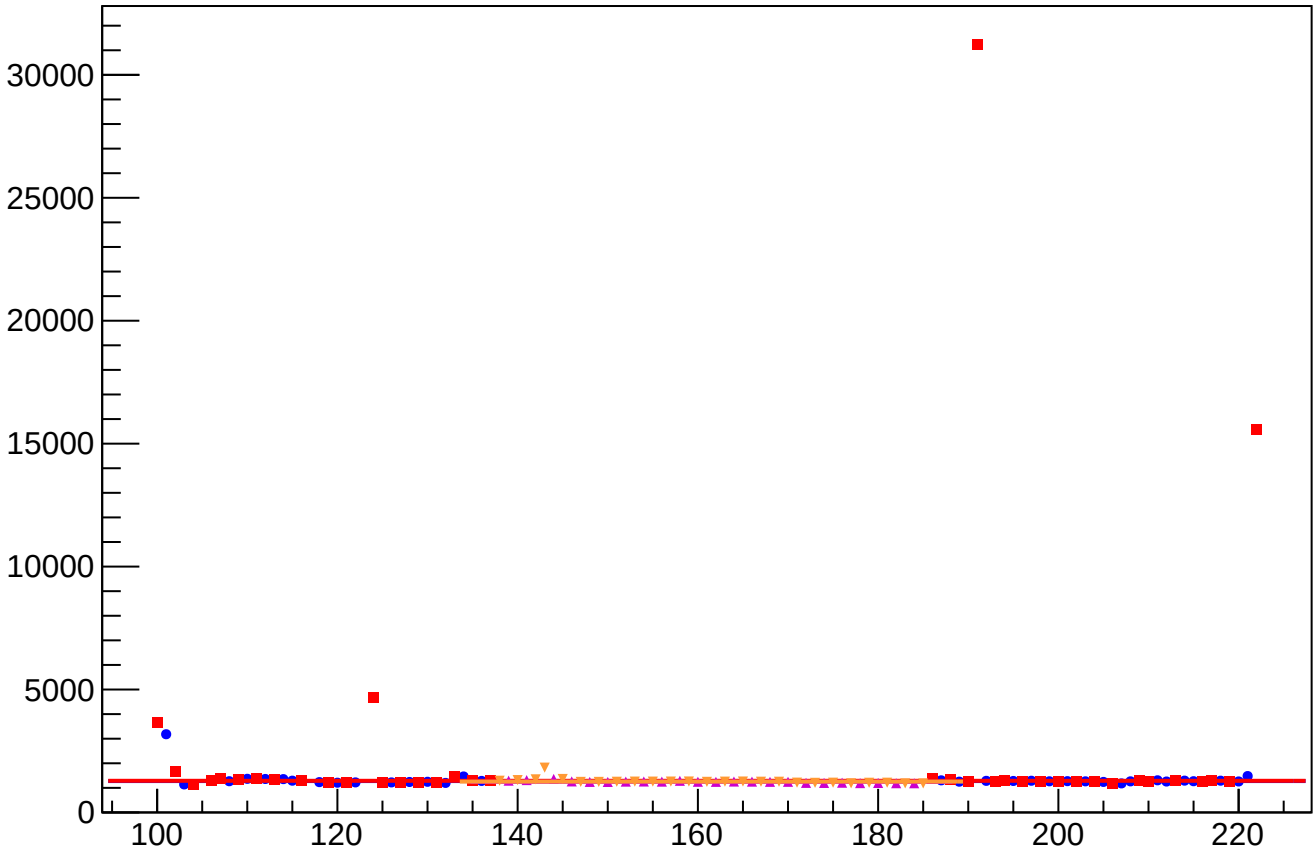
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.327+/-197.248 χ^2/NDF: 52.3/71

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -219.449+/-200.289 χ^2/NDF:63.6/62

All: -284.519+/-141.807 χ^2/NDF: 116.1/119



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: 1287.399+/-0.198 χ^2/NDF: 1981382.4/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

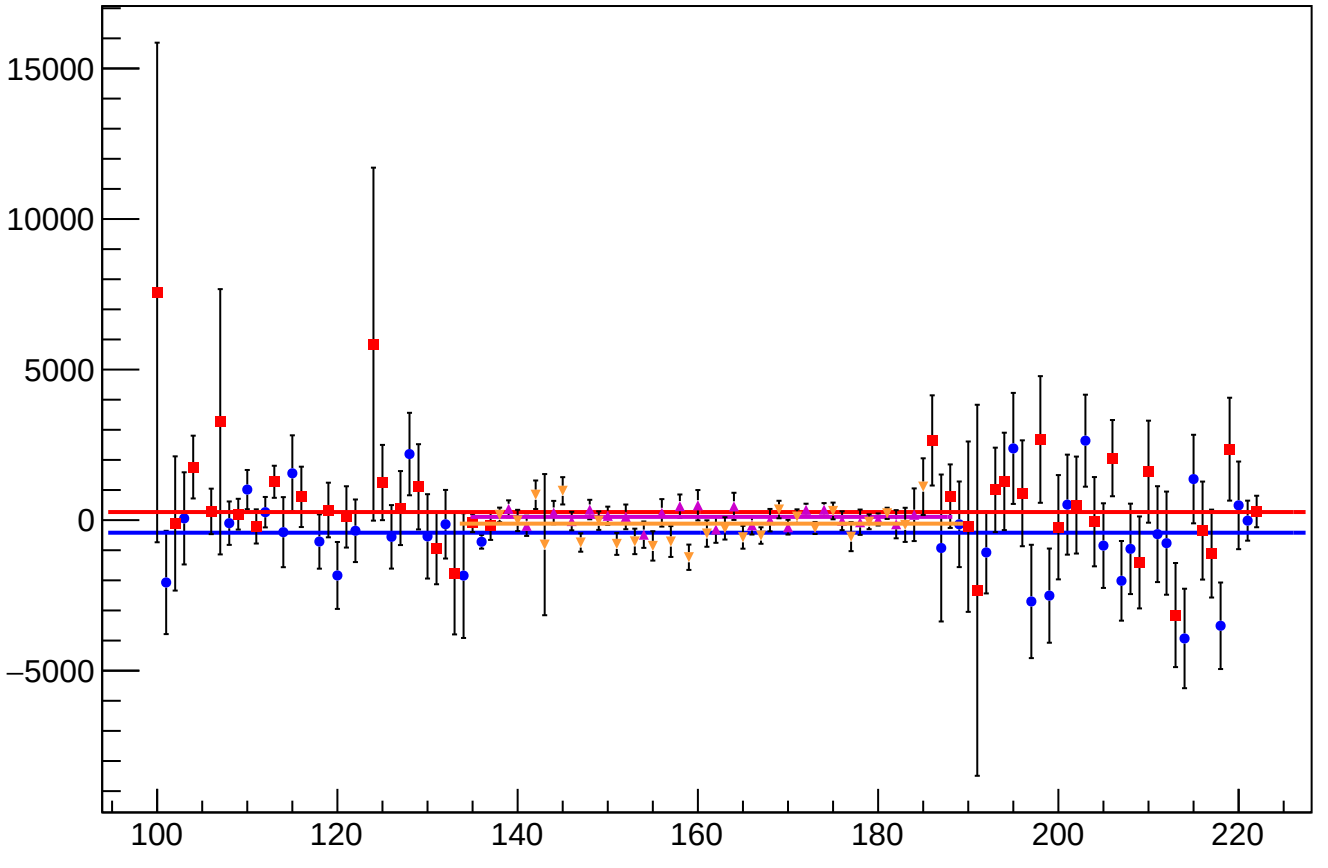
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.961+/-0.139 χ^2/NDF: 2533668.5/71

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1271.755+/-0.142 χ^2/NDF:2197173.5/62

All: 1267.011+/-0.100 χ^2/NDF: 2801438.2/11



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: 268.526+/-148.176 χ^2/NDF: 29.7/37

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

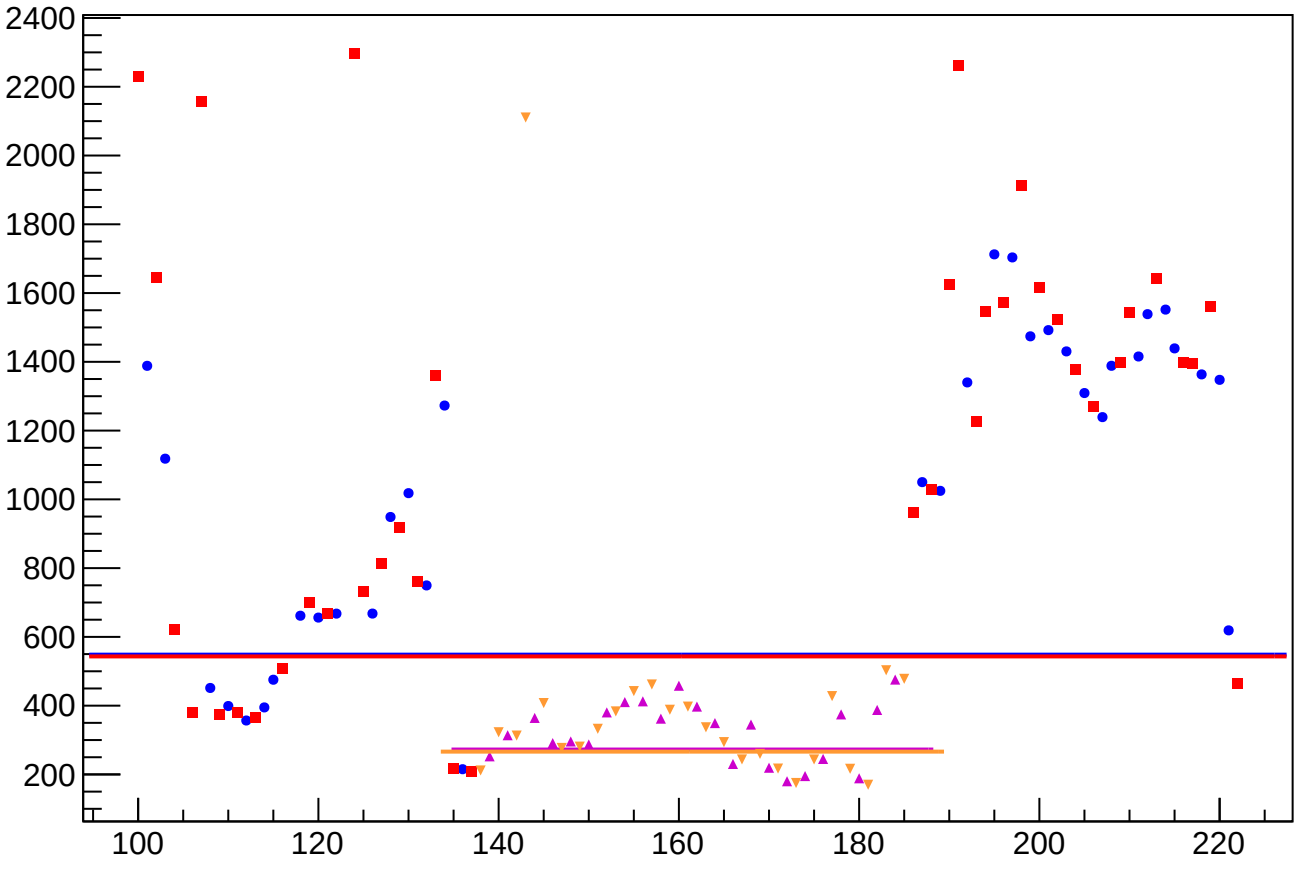
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -71.244+/-105.311 χ^2/NDF: 81.6/71

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -54.690+/-59.571 χ^2/NDF:83.8/62

All: -18.444+/-42.673 χ^2/NDF: 149.9/119



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: 543.208+/-0.105 χ^2/NDF: 16597092.9/37

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

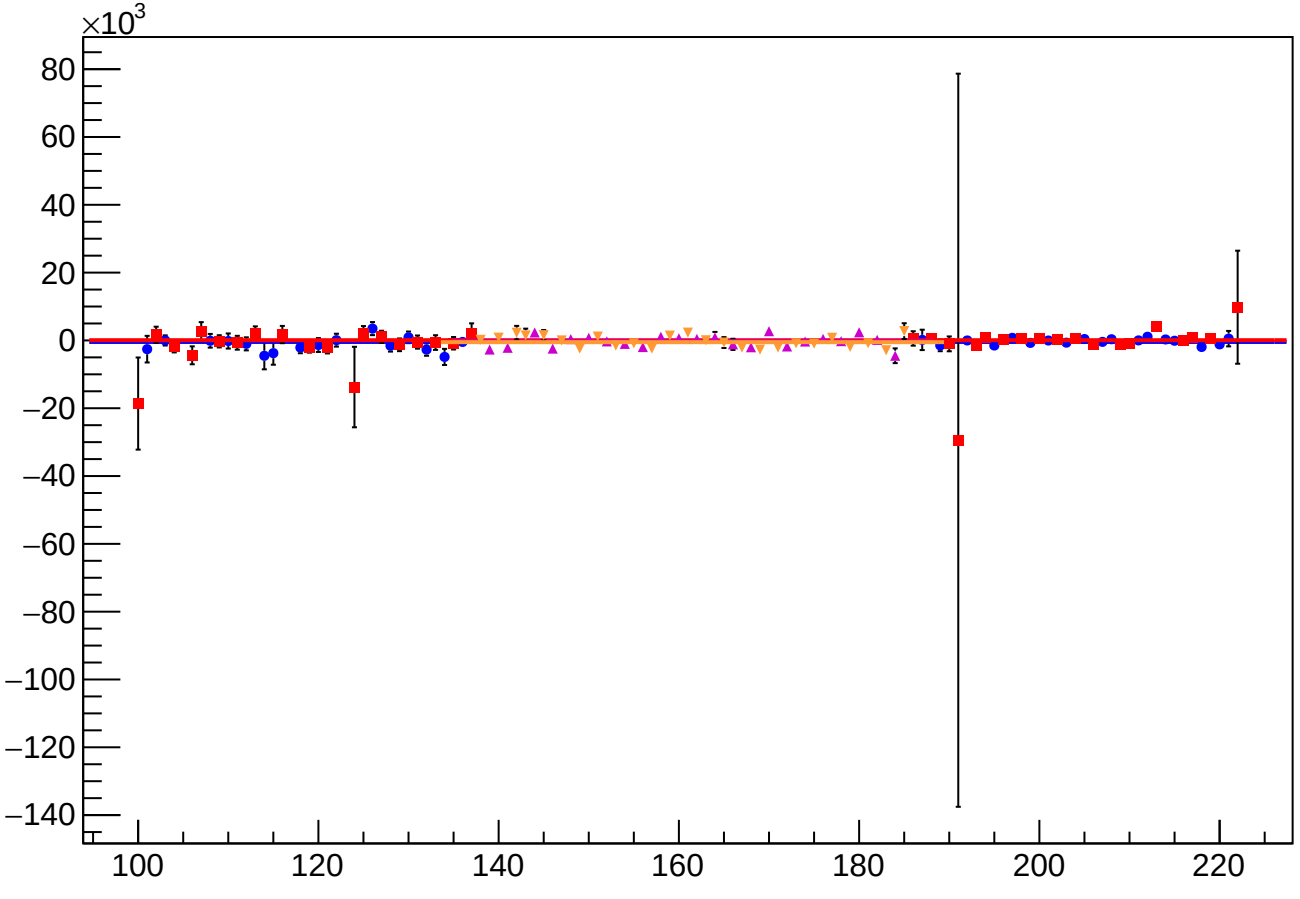
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.749+/-0.074 χ^2/NDF: 33180895.6/71

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 311.078+/-0.042 χ^2/NDF:27081918.4/62

All: 314.659+/-0.030 χ^2/NDF: 52229170.2/11



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: 64.674+/-280.632 χ^2/NDF: 30.6/37

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

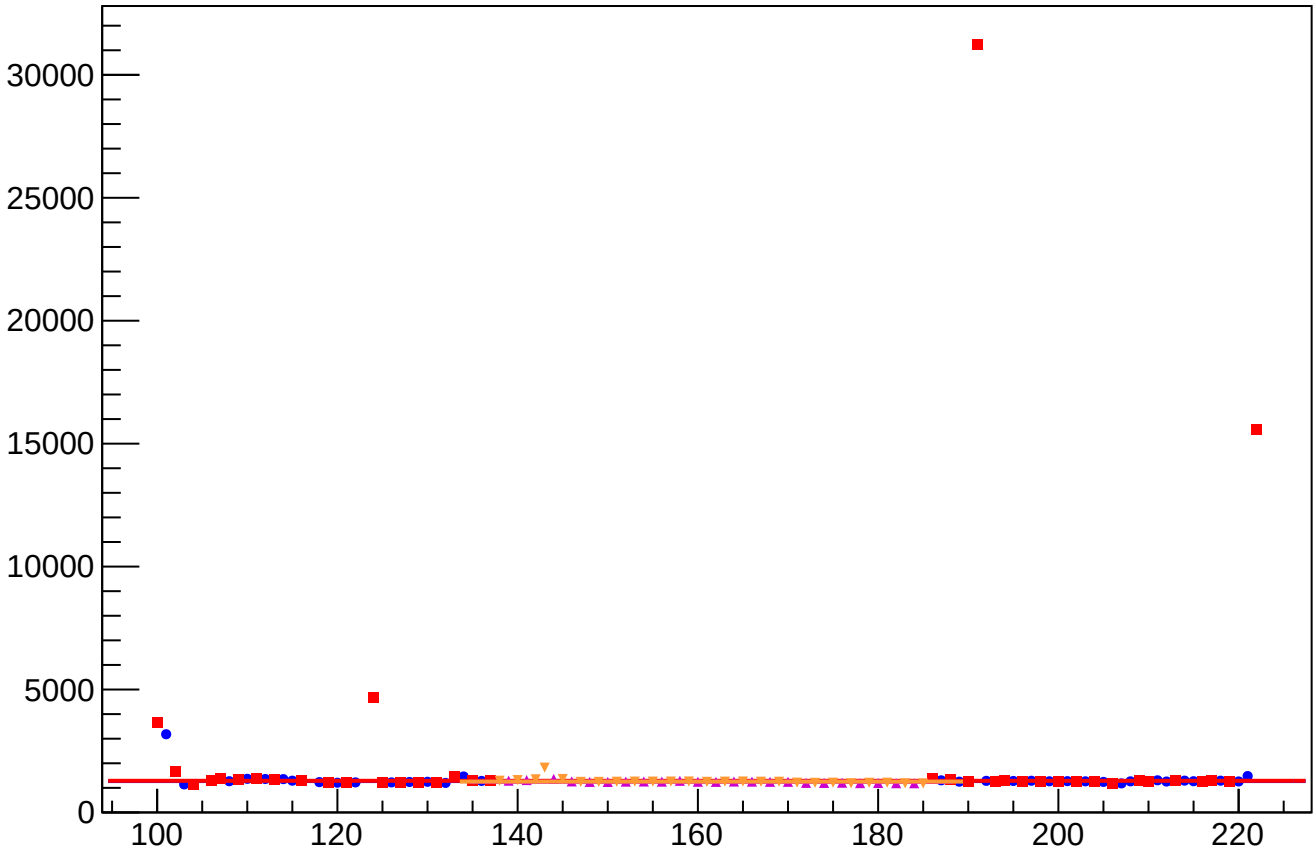
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.327+/-197.248 χ^2/NDF: 52.3/71

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -219.449+/-200.289 χ^2/NDF:63.6/62

All: -284.519+/-141.807 χ^2/NDF: 116.1/119



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: 1287.399+/-0.198 χ^2/NDF: 1981382.4/37

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

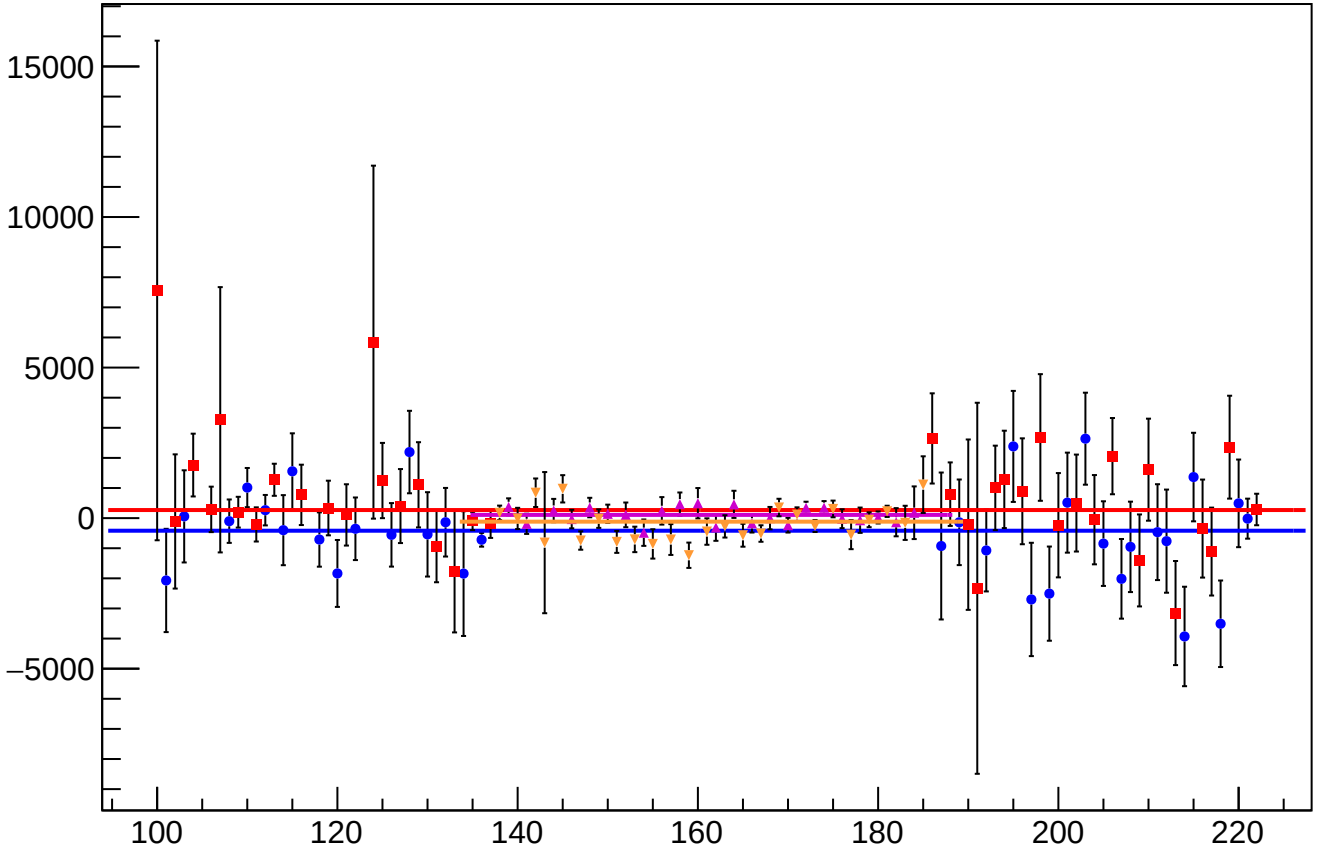
Right: 1281.961+/-0.139 χ^2/NDF: 2533668.5/71

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1271.755+/-0.142 χ^2/NDF:2197173.5/62

All: 1267.011+/-0.100 χ^2/NDF: 2801438.2/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 268.526+/-148.176 χ^2/NDF: 29.7/37

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

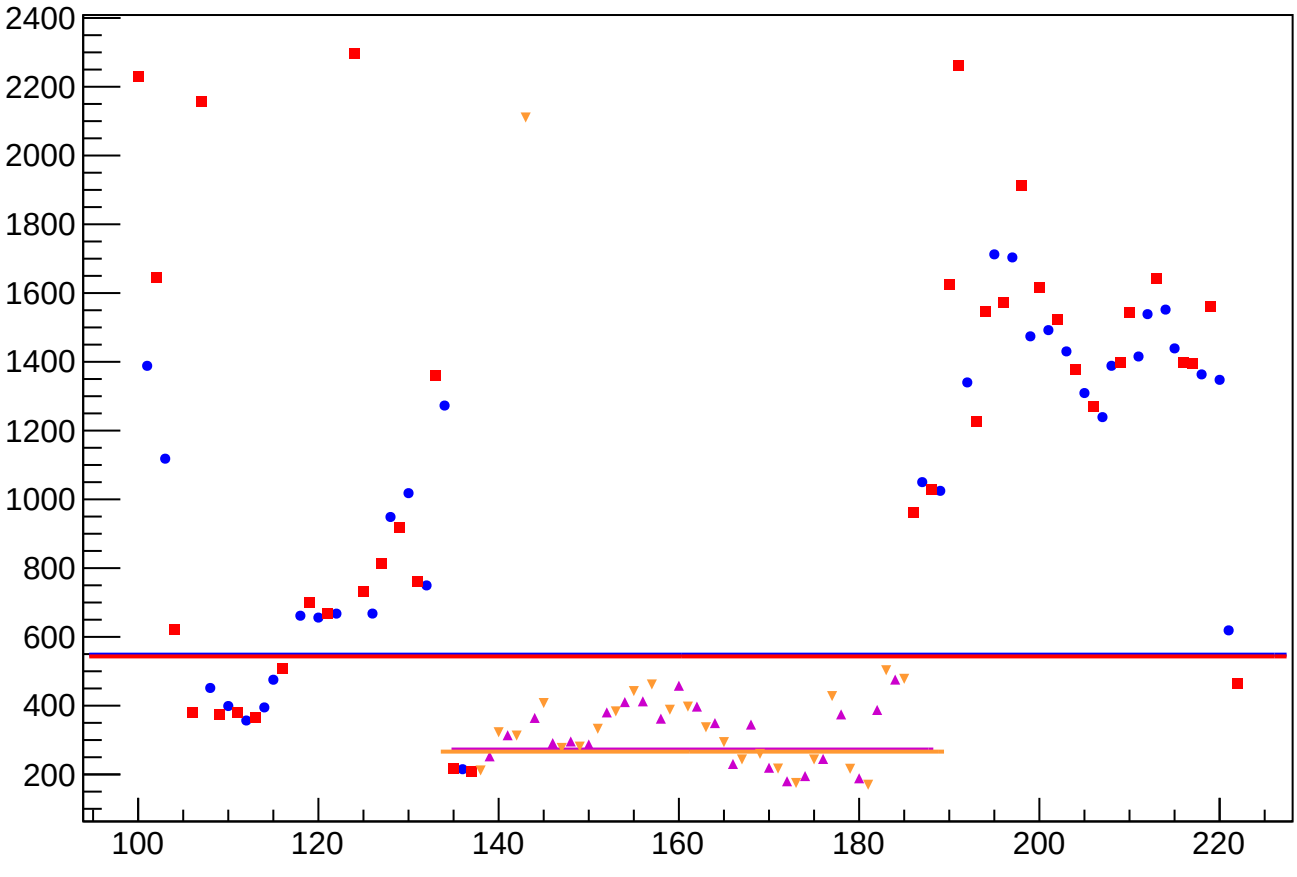
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -71.244+/-105.311 χ^2/NDF: 81.6/71

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -54.690+/-59.571 χ^2/NDF:83.8/62

All: -18.444+/-42.673 χ^2/NDF: 149.9/119



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: 543.208+/-0.105 χ^2/NDF: 16597092.9/37

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

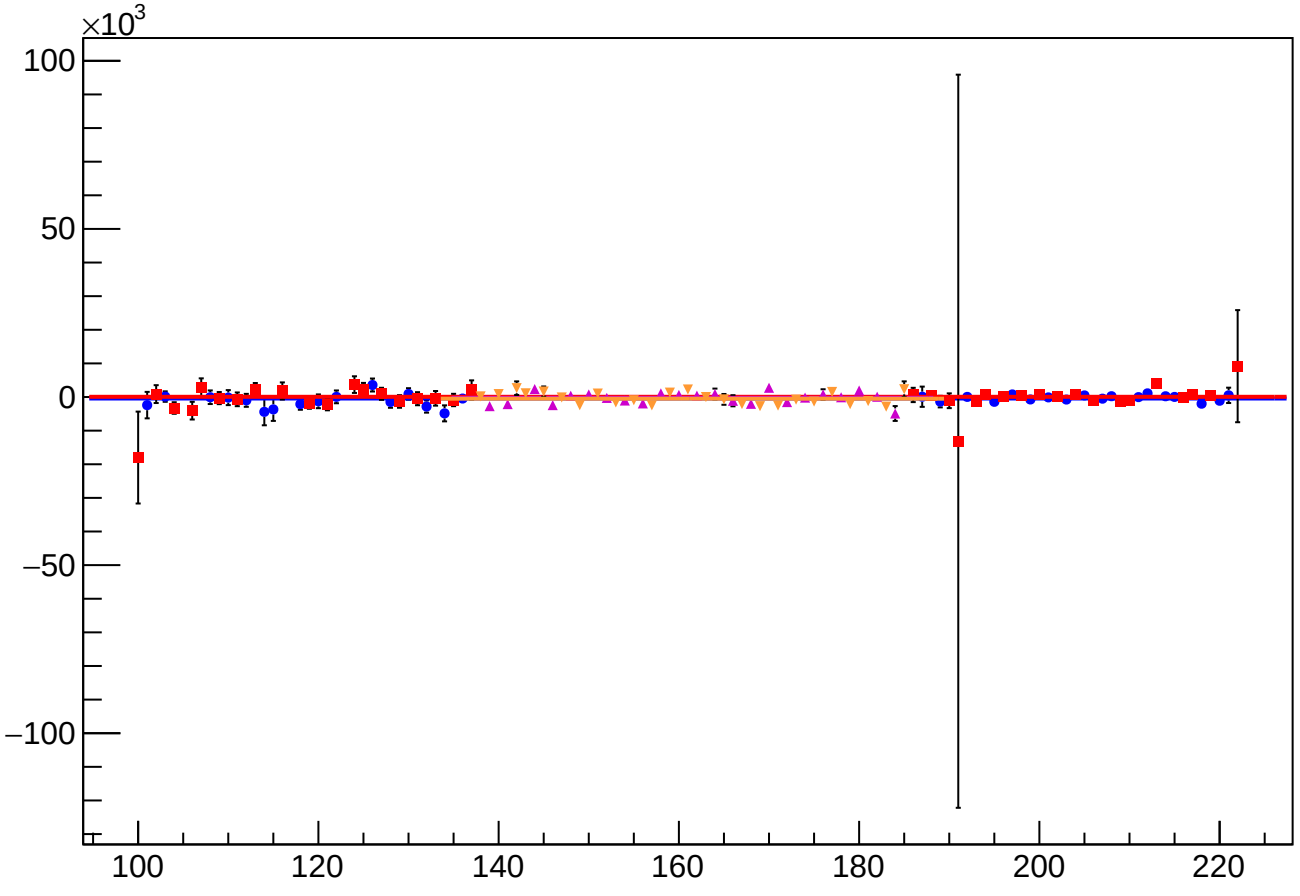
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.749+/-0.074 χ^2/NDF: 33180895.6/71

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 311.078+/-0.042 χ^2/NDF:27081918.4/62

All: 314.659+/-0.030 χ^2/NDF: 52229170.2/11



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: 64.869+/-280.221 χ^2/NDF: 32.5/37

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

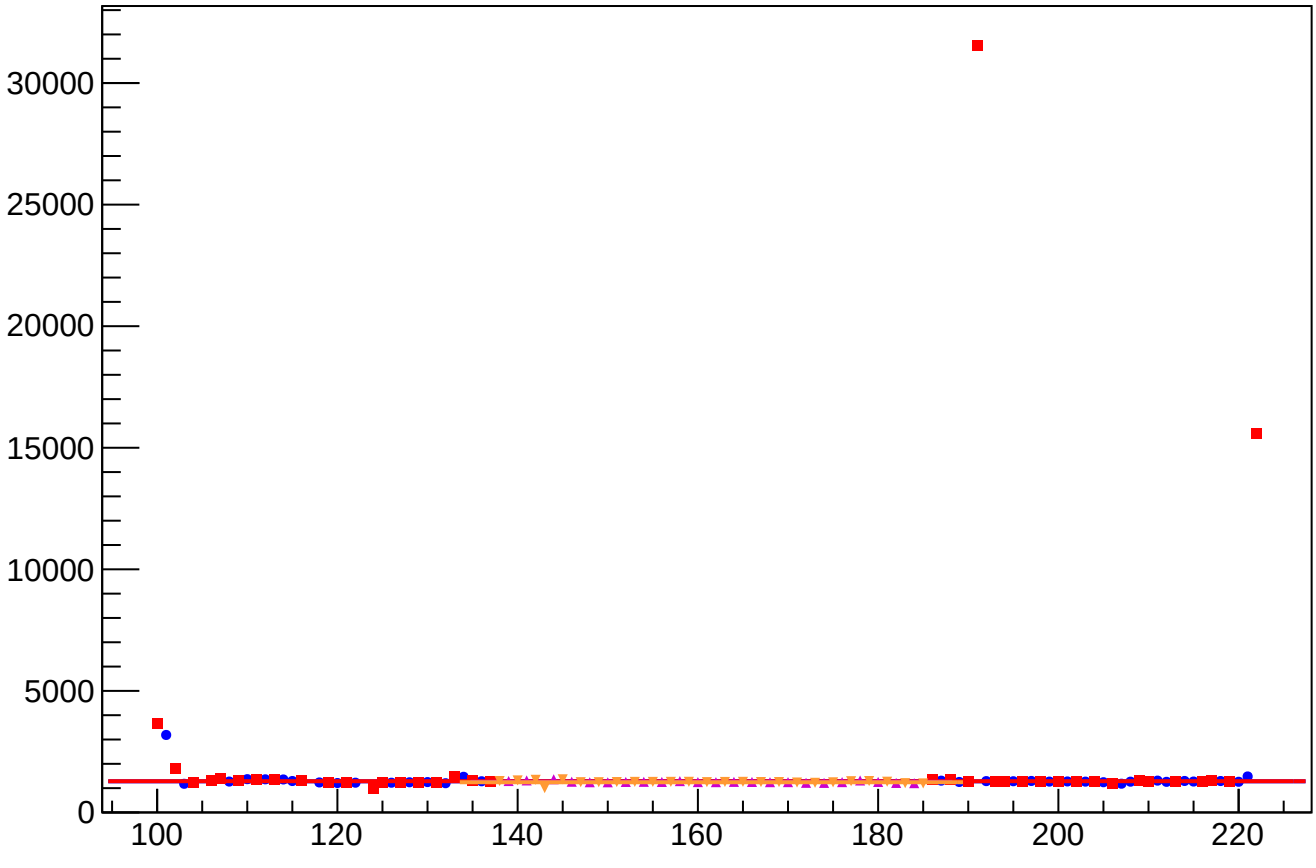
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.571+/-197.351 χ^2/NDF: 54.1/71

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -211.792+/-199.029 χ^2/NDF:68.7/62

All: -278.182+/-141.808 χ^2/NDF: 119.8/119



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: 1285.566+/-0.198 χ^2/NDF: 1862139.3/37

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

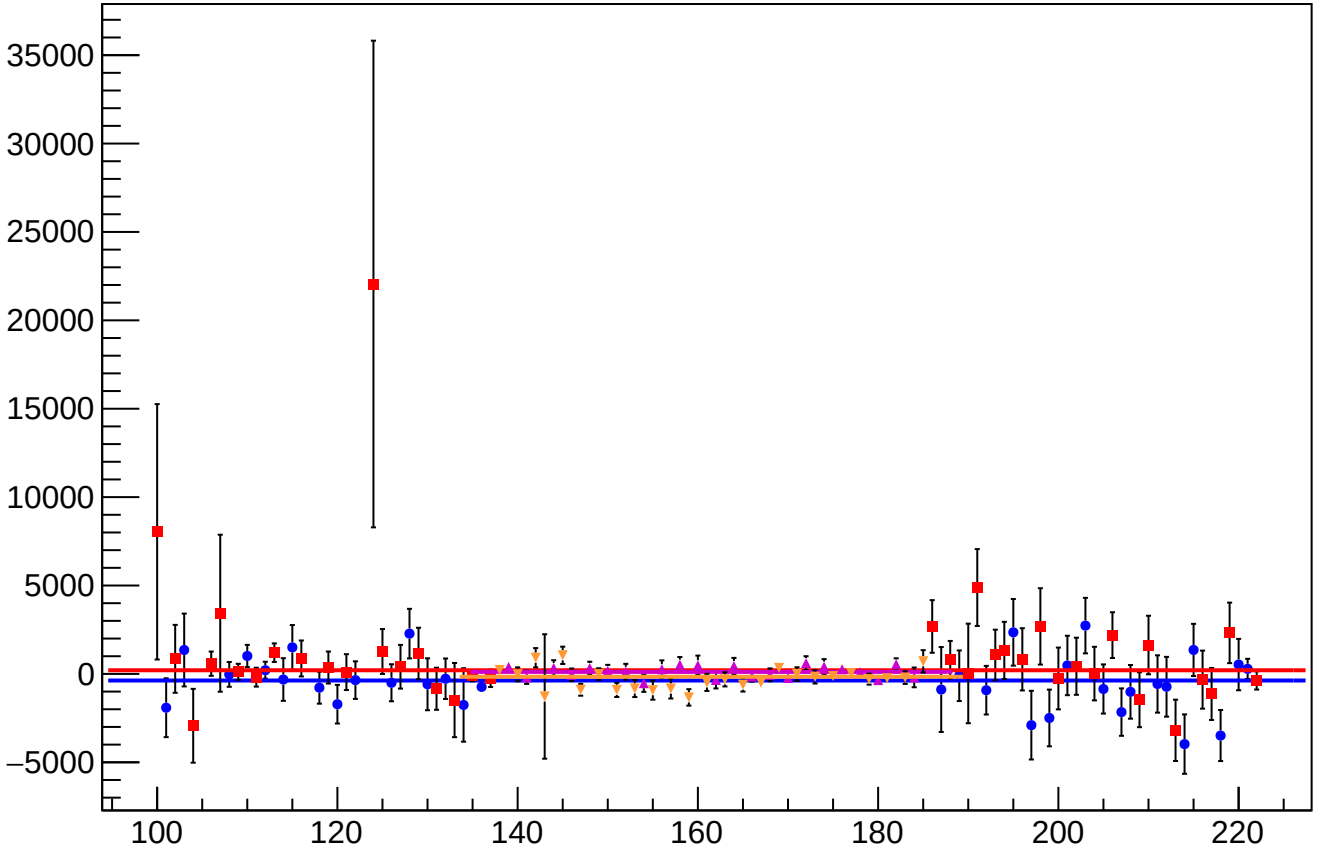
Right: 1282.699+/-0.140 χ^2/NDF: 2405542.4/71

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1264.245+/-0.141 χ^2/NDF:2015528.4/62

All: 1267.349+/-0.100 χ^2/NDF: 2592212.2/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -373.684+/-149.752 χ^2/NDF: 42.8/33

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 206.133+/-148.078 χ^2/NDF: 37.8/37

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

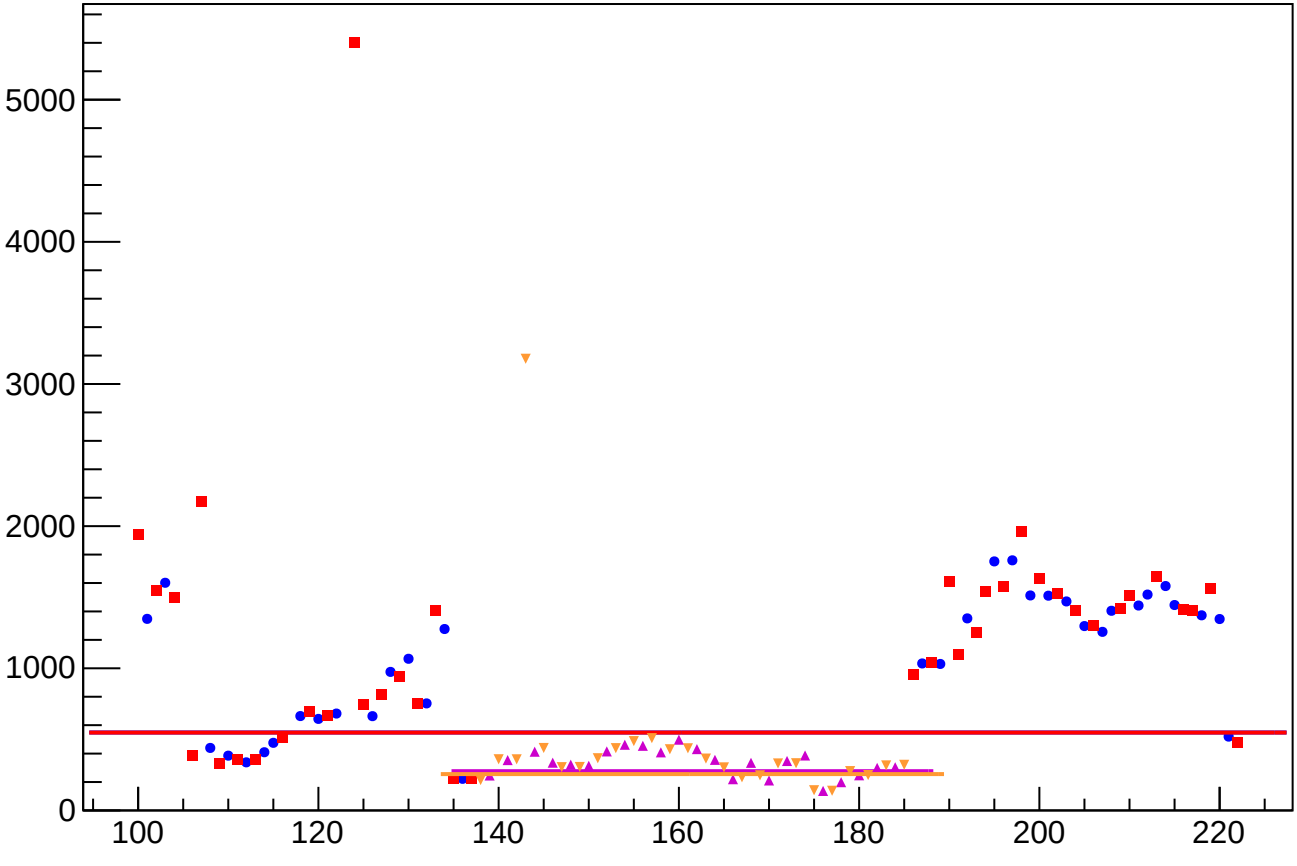
Right: -80.517+/-105.294 χ^2/NDF: 88.2/71

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -102.952+/-58.850 χ^2/NDF:86.8/62

All: -41.137+/-42.861 χ^2/NDF: 158.9/119

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: 547.875+/-0.105 χ^2/NDF: 17094626.8/37

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

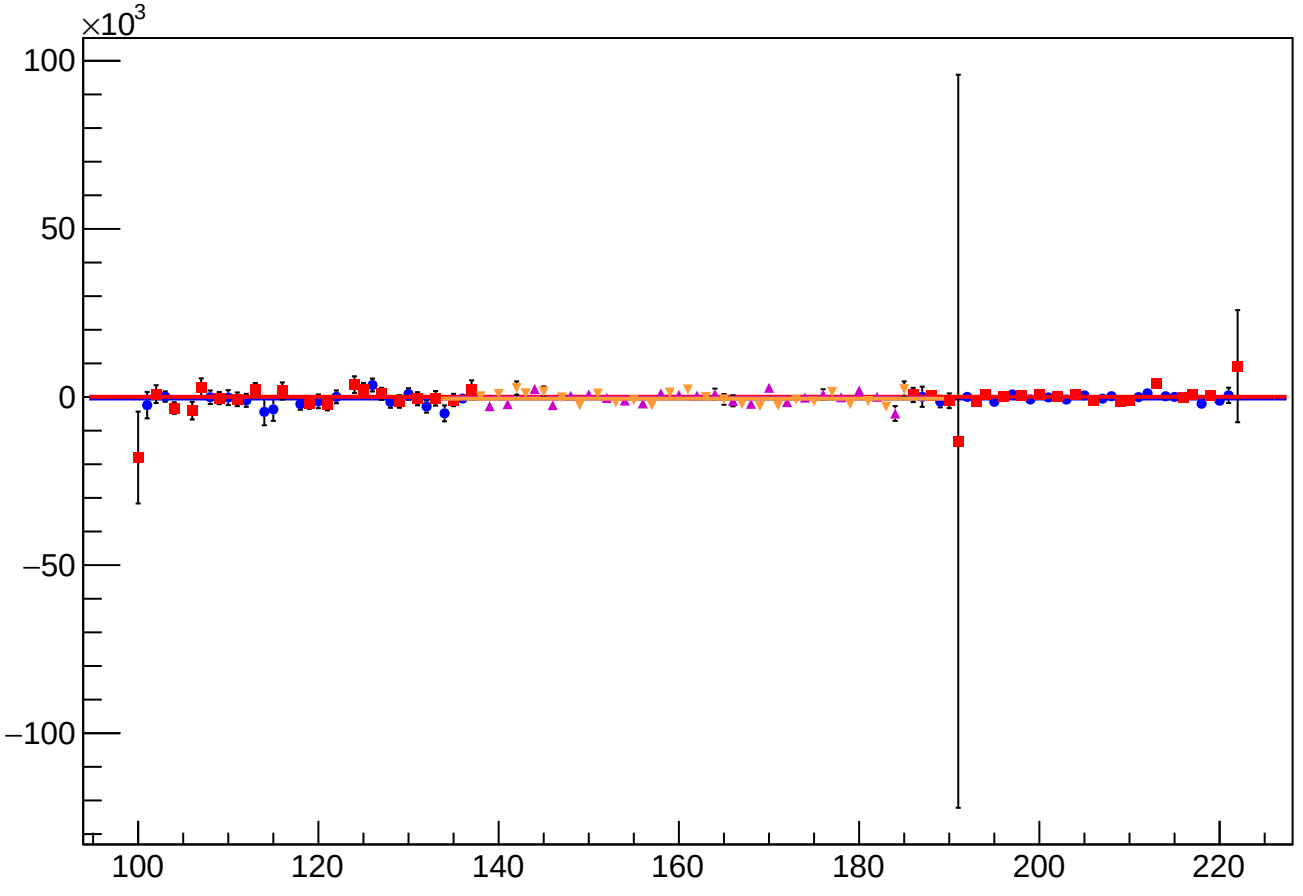
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 548.161+/-0.074 χ^2/NDF: 33784408.3/71

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 301.906+/-0.042 χ^2/NDF:30022046.0/62

All: 312.176+/-0.030 χ^2/NDF: 56322221.8/11



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: 64.868+/-280.221 χ^2/NDF: 32.5/37

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

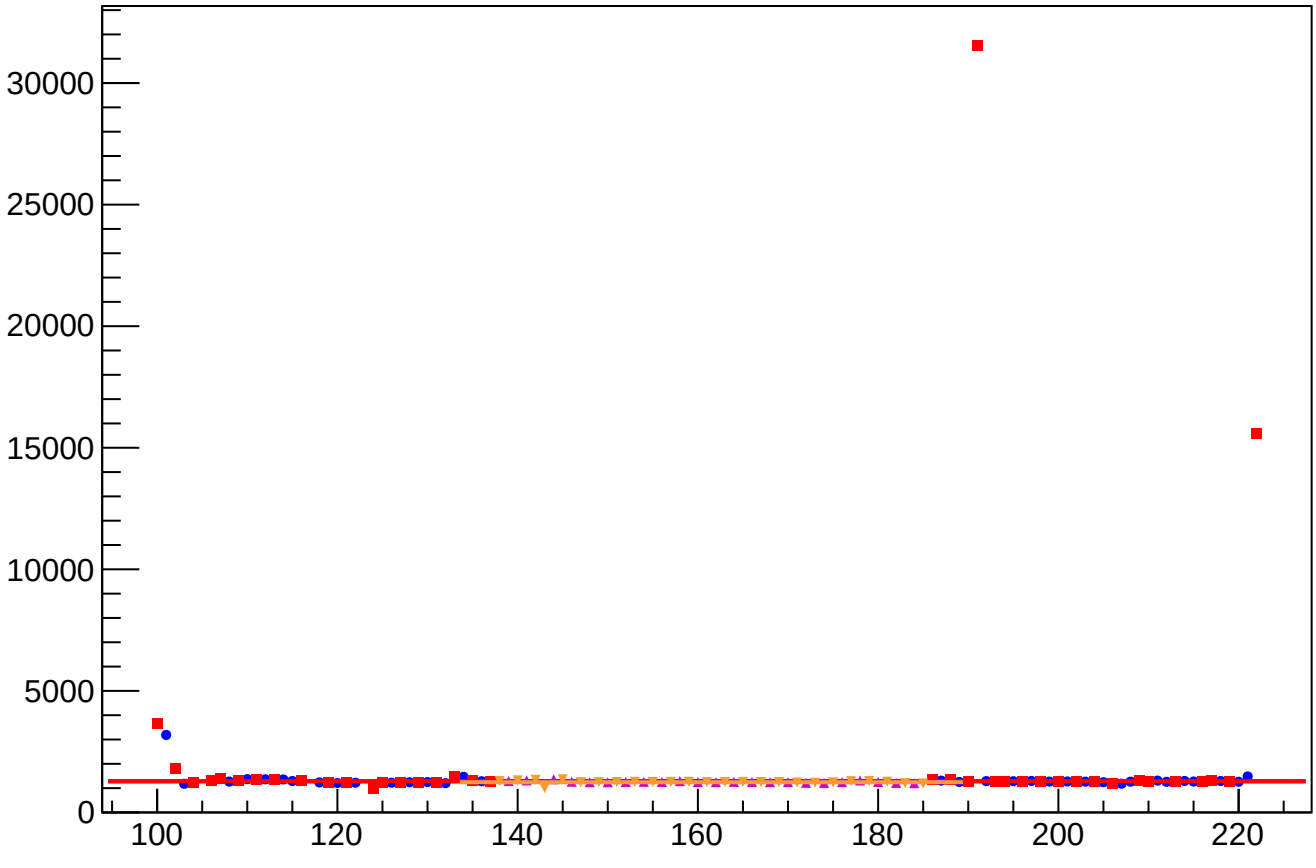
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.570+/-197.351 χ^2/NDF: 54.1/71

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -211.792+/-199.029 χ^2/NDF:68.7/62

All: -278.181+/-141.808 χ^2/NDF: 119.8/119



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: 1285.566+/-0.198 χ^2/NDF: 1862139.6/37

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

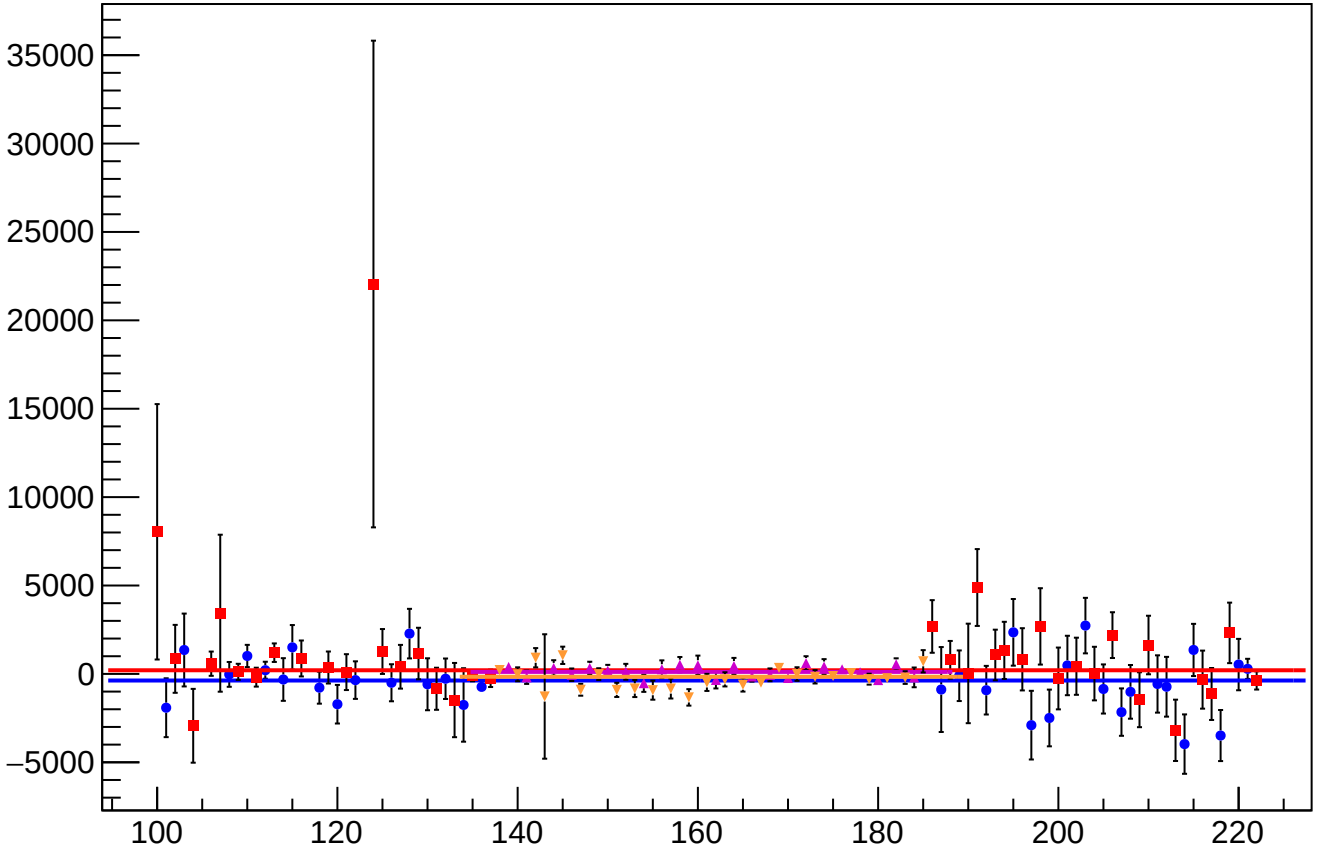
Right: 1282.699+/-0.140 χ^2/NDF: 2405542.7/71

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1264.245+/-0.141 χ^2/NDF:2015527.8/62

All: 1267.349+/-0.100 χ^2/NDF: 2592211.7/11

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: 206.139+/-148.080 χ^2/NDF: 37.8/37

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

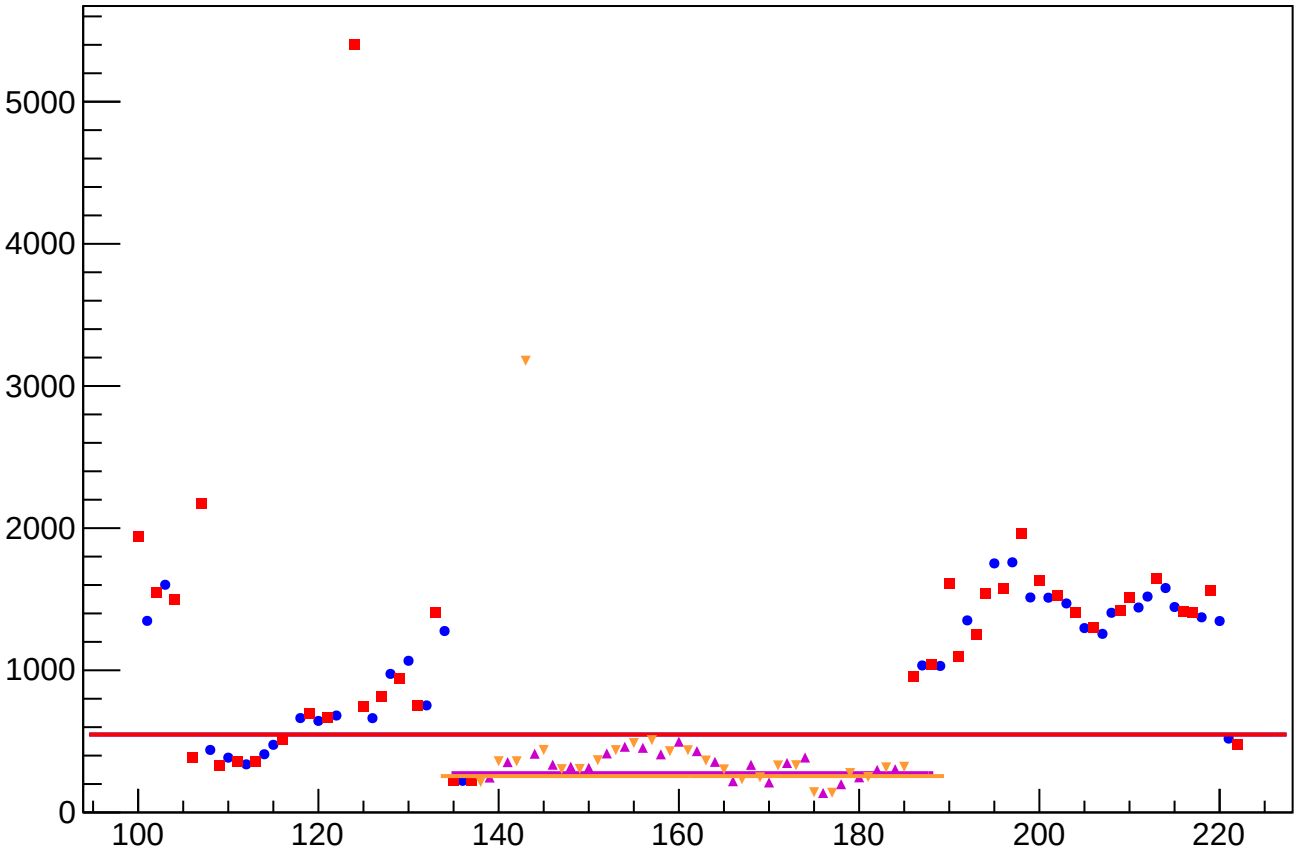
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -80.514+/-105.295 χ^2/NDF: 88.2/71

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -102.955+/-58.851 χ^2/NDF:86.8/62

All: -41.138+/-42.861 χ^2/NDF: 158.9/119



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: 547.885+/-0.105 χ^2/NDF: 17094271.9/37

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

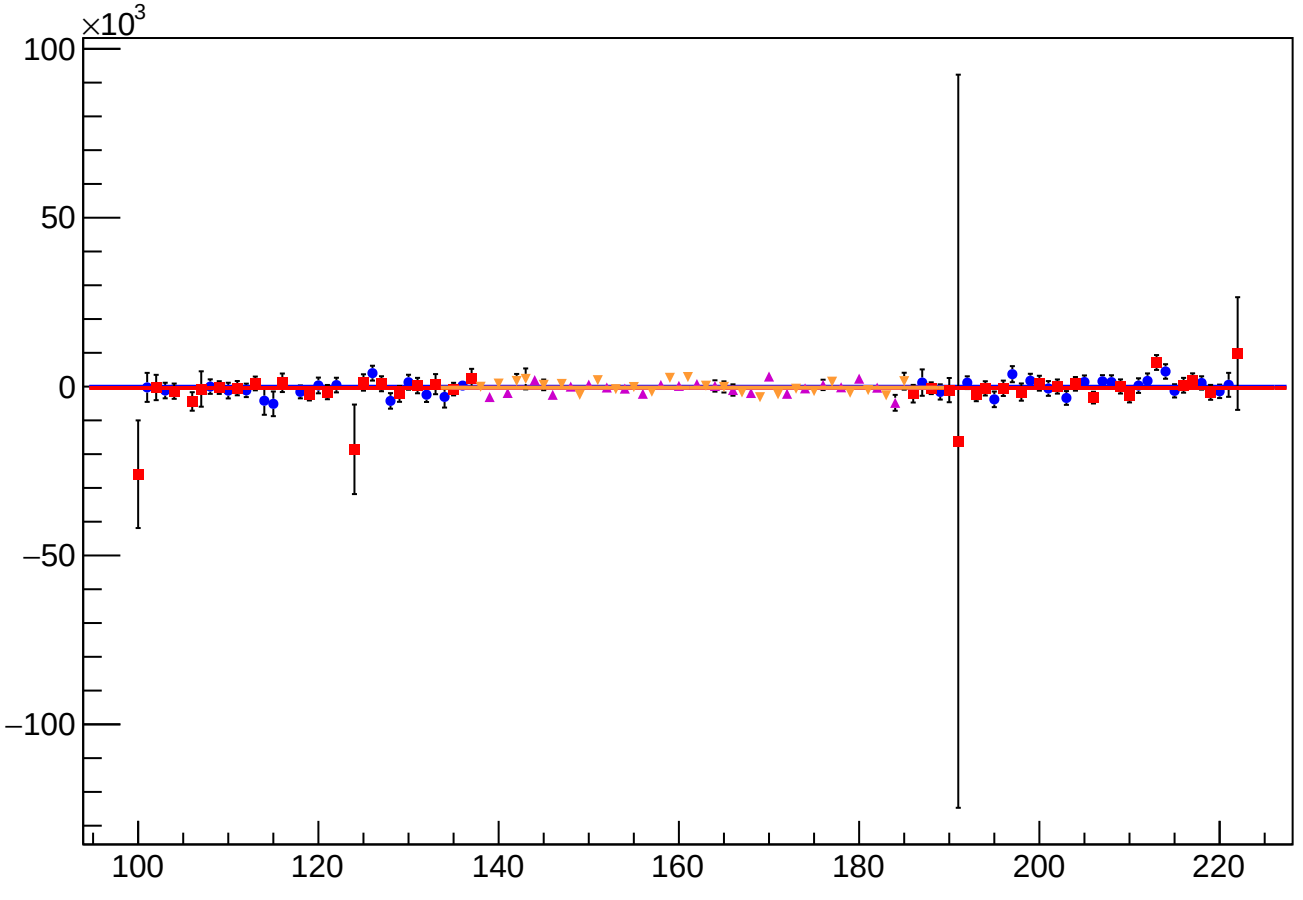
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 548.172+/-0.074 χ^2/NDF: 33783560.5/71

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 301.908+/-0.042 χ^2/NDF:30021834.0/62

All: 312.178+/-0.030 χ^2/NDF: 56321828.0/11



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: -411.180+/-383.360 χ^2/NDF: 31.4/37

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

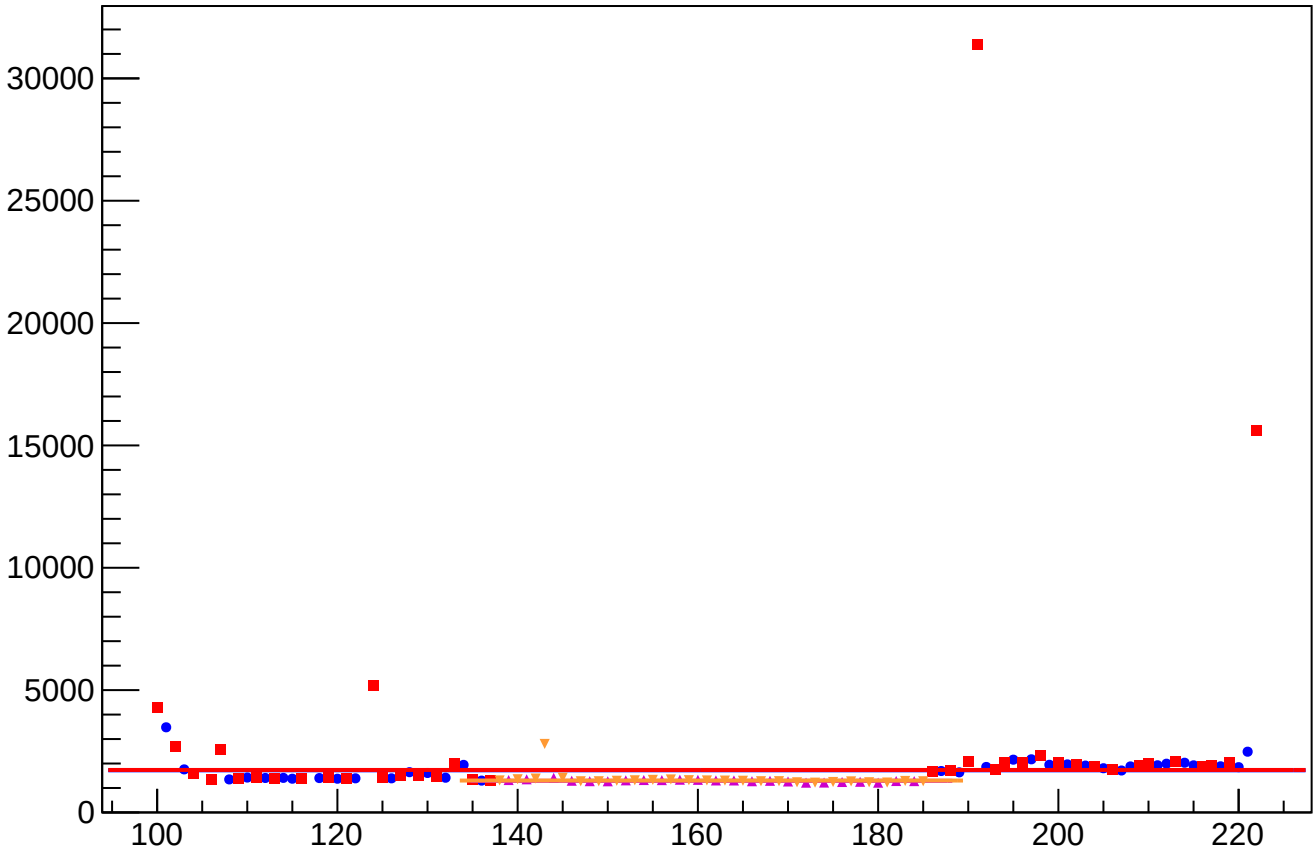
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -226.813+/-269.021 χ^2/NDF: 62.9/71

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -354.223+/-235.410 χ^2/NDF:63.0/62

All: -295.263+/-166.599 χ^2/NDF: 124.3/119



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: 1736.879+/-0.271 χ^2/NDF: 2956353.3/37

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

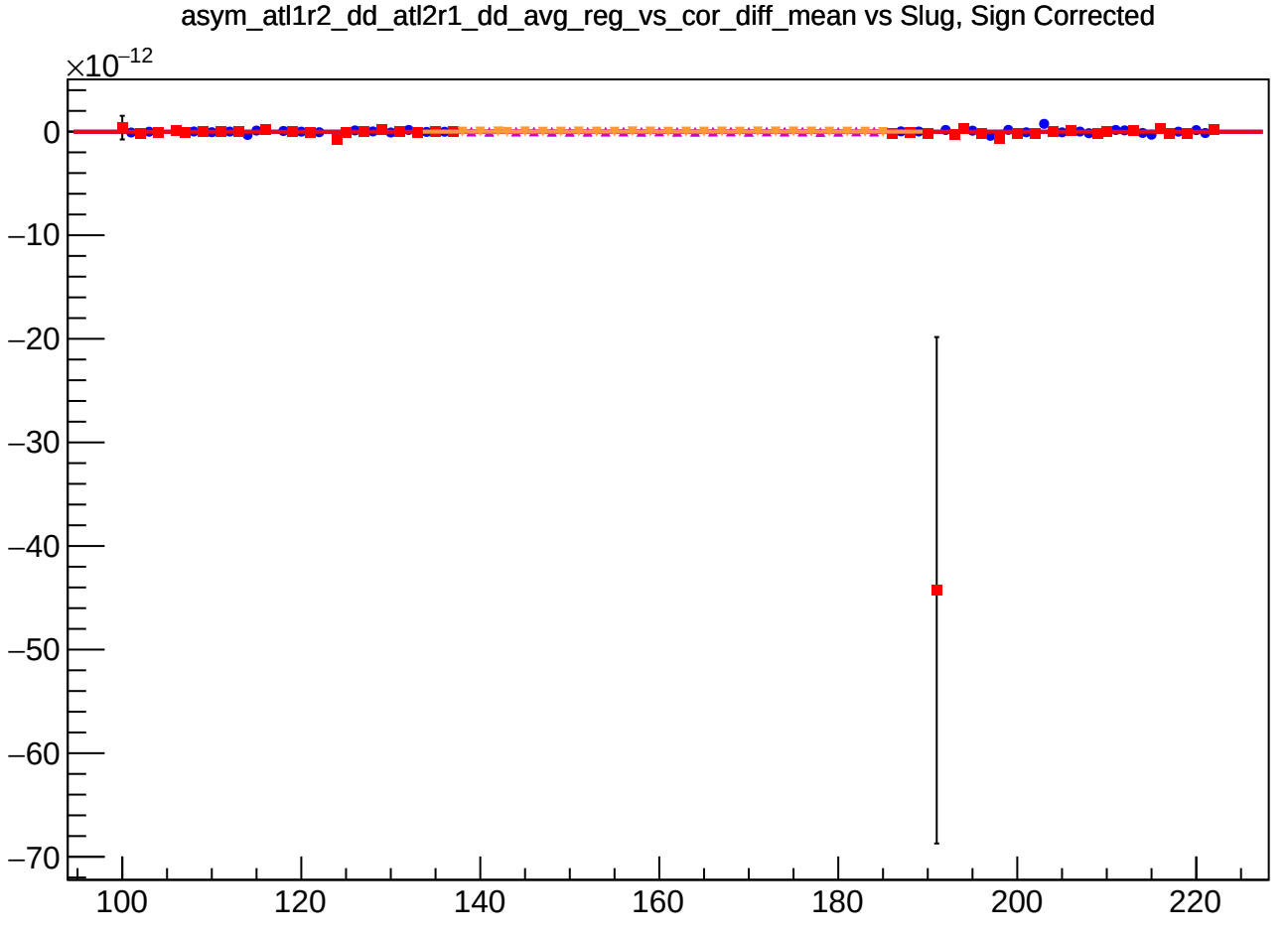
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1729.403+/-0.190 χ^2/NDF: 4357468.6/71

In: 1459.811+/-0.167 χ^2/NDF:3030274.5/56

Out: 1467.329+/-0.166 χ^2/NDF:5063295.1/62

All: 1463.576+/-0.118 χ^2/NDF: 8094587.9/11



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: 49.2/37

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

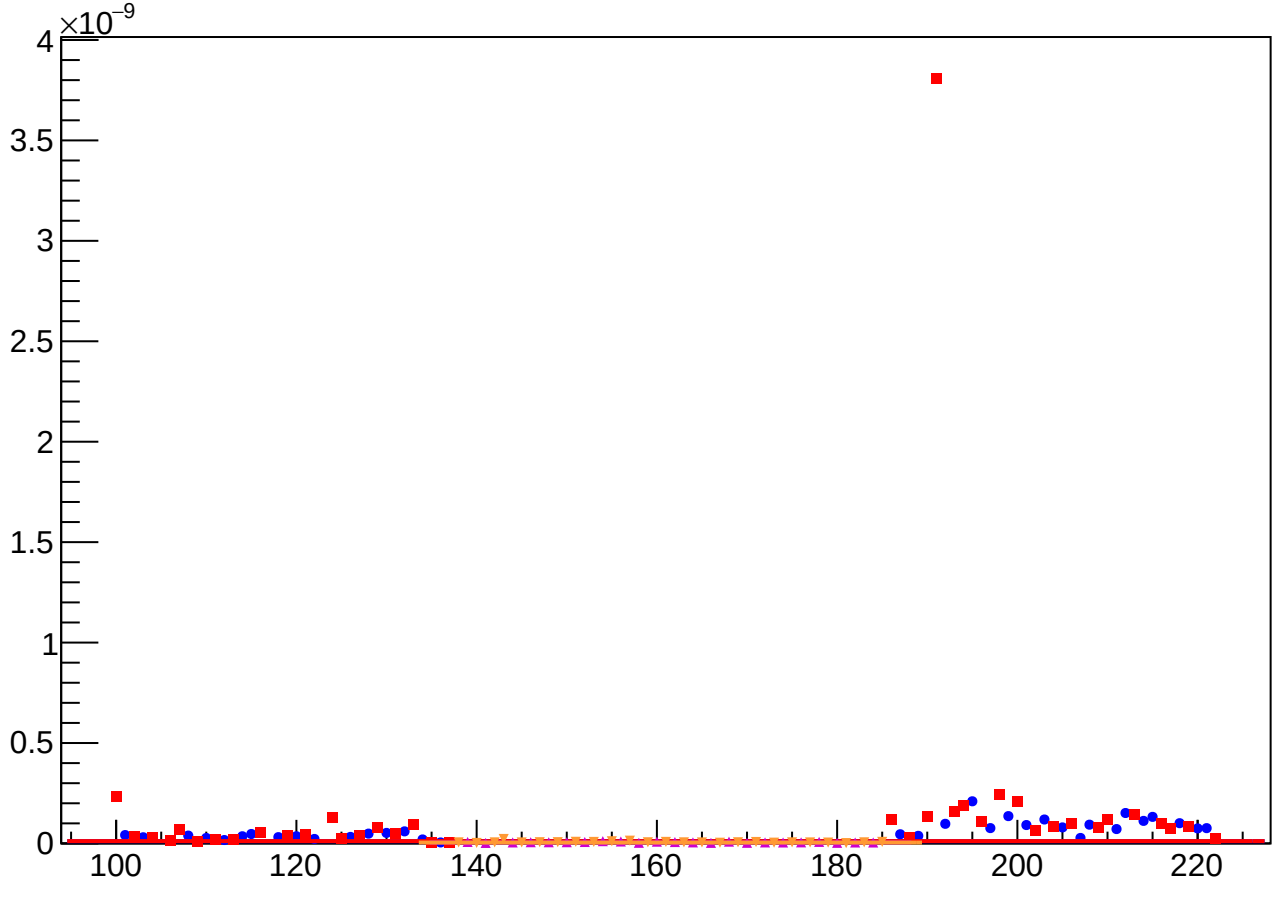
Right: -0.000+/-0.000 χ^2/NDF: 85.4/71

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.9/62

All: -0.000+/-0.000 χ^2/NDF: 144.0/119

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: 12653375.0/37

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

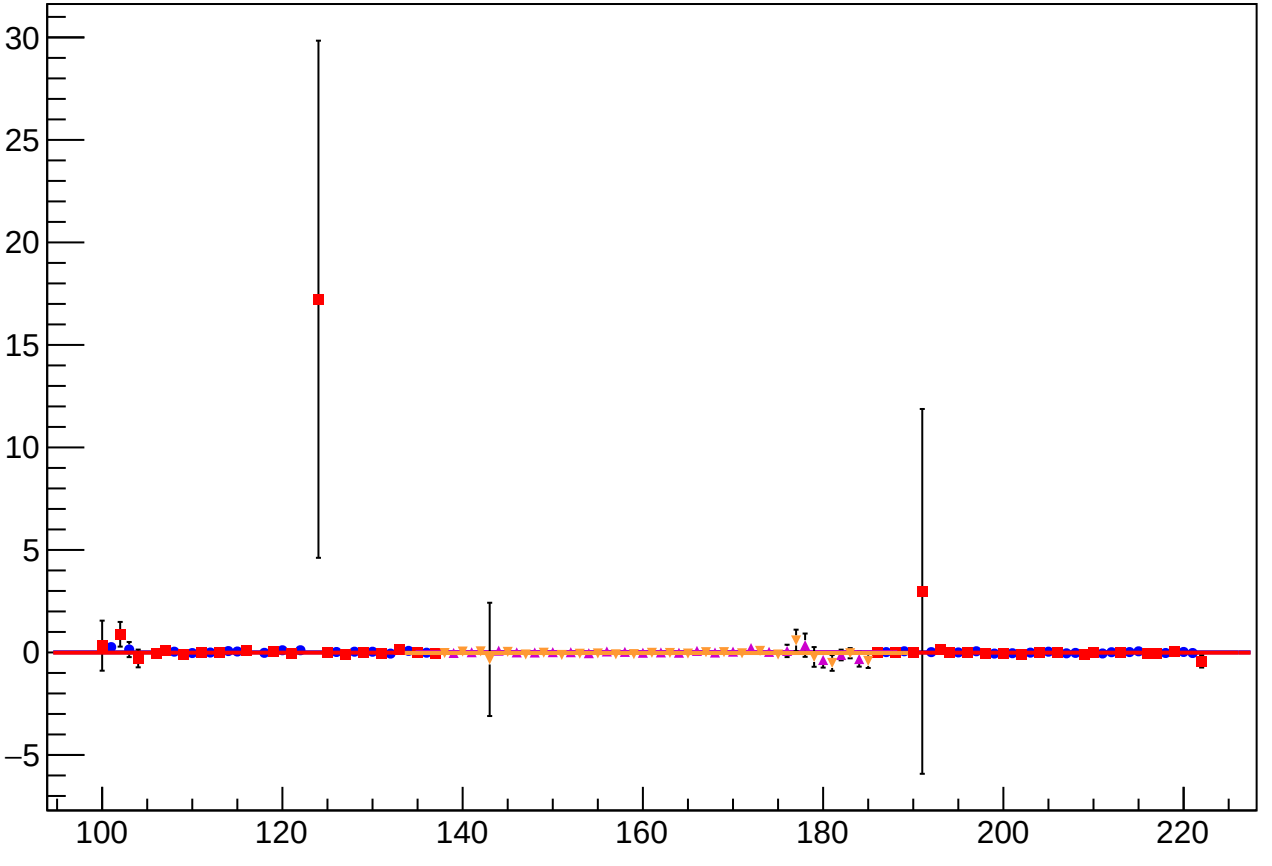
Right: 0.000+/-0.000 χ^2/NDF: 24256918.0/71

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:16965527.7/62

All: 0.000+/-0.000 χ^2/NDF: 31892797.8/119

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

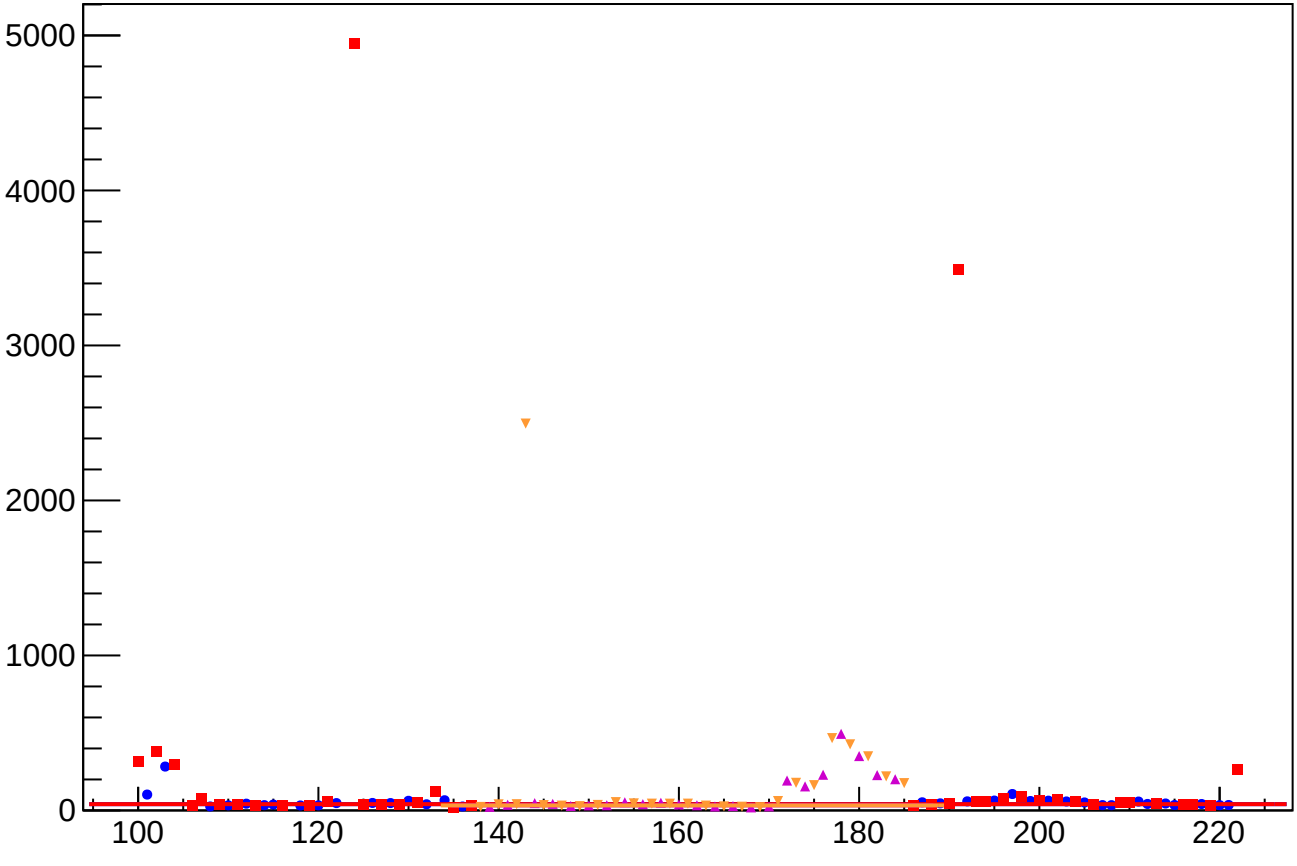
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734846.0/37

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

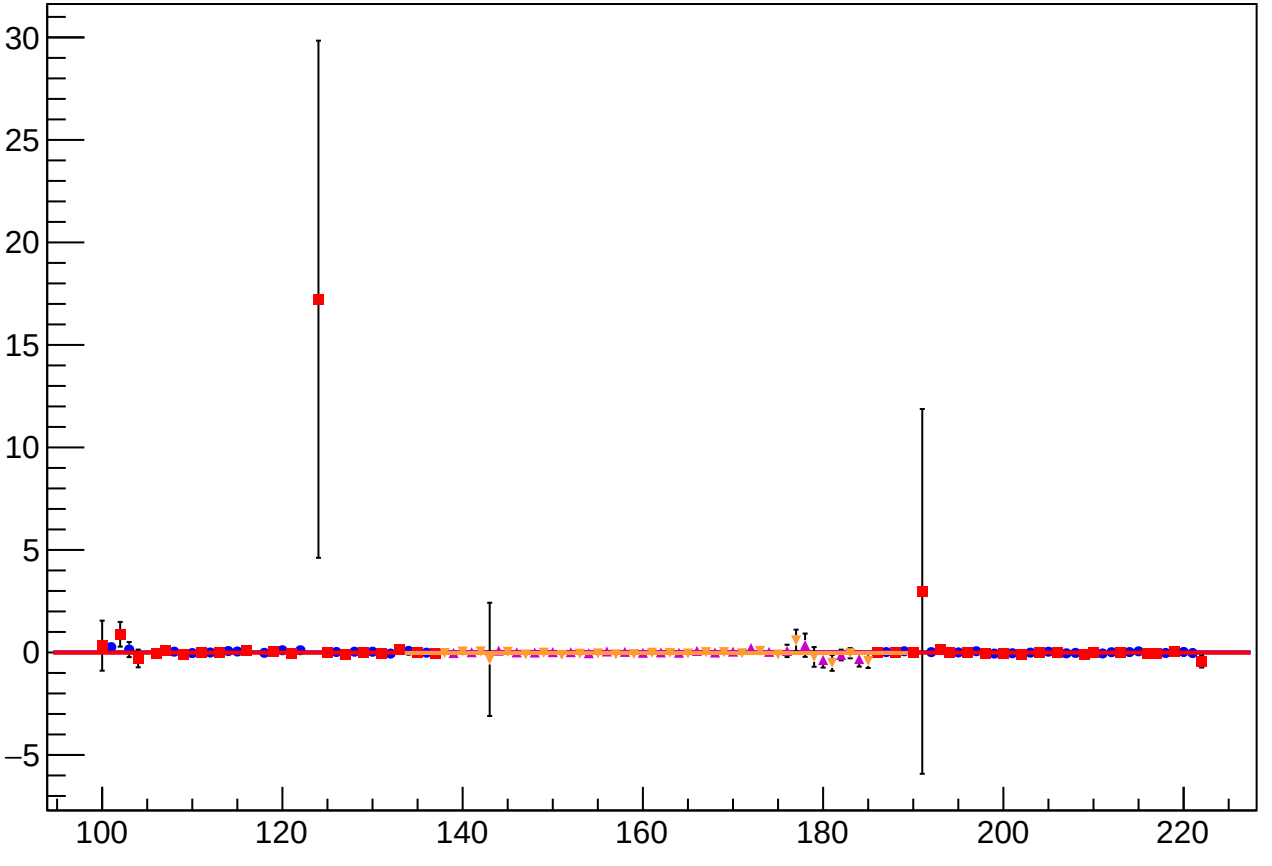
Right: 40.621+/-0.005 χ^2/NDF: 11129690.0/71

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.386+/-0.005 χ^2/NDF:18293000.7/62

All: 36.451+/-0.003 χ^2/NDF: 32308638.0/119

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

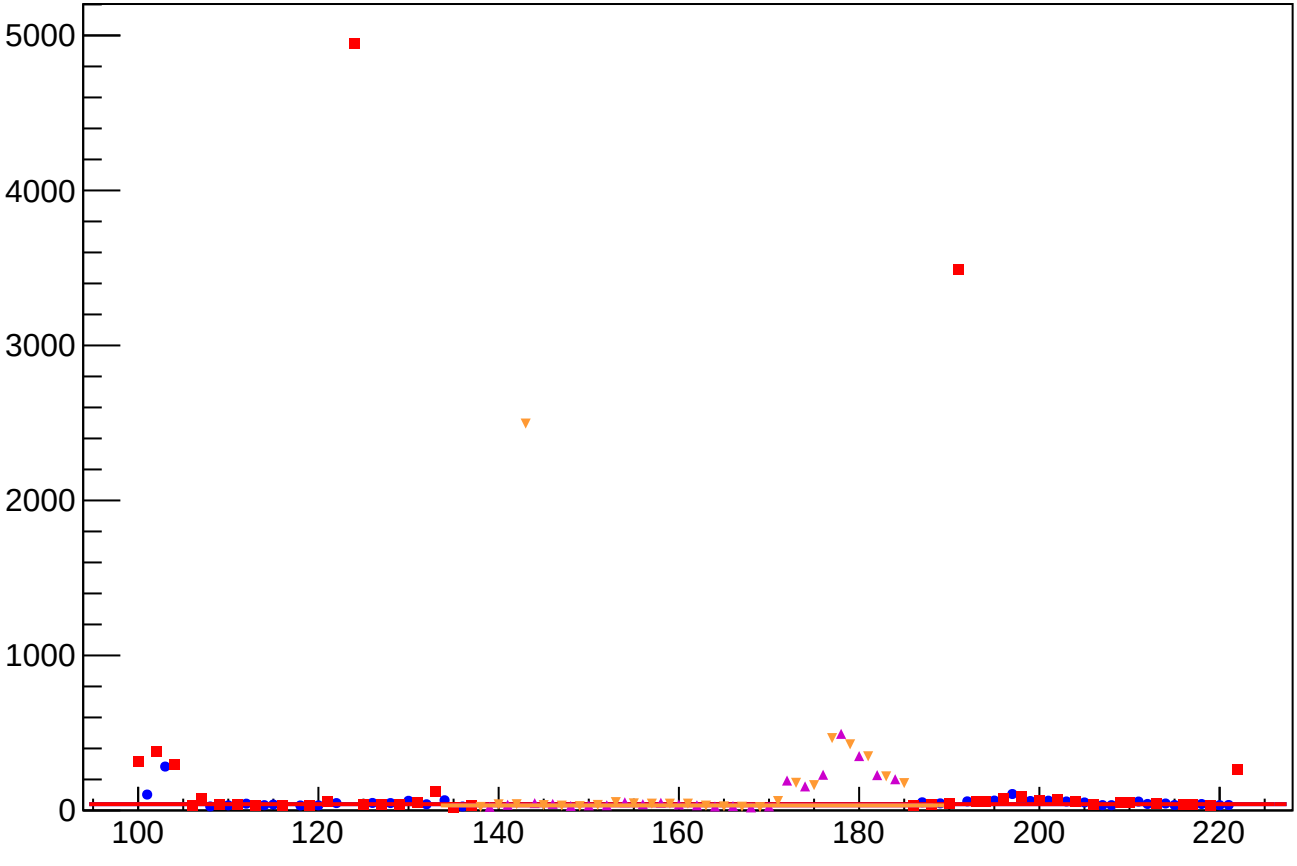
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734846.0/37

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

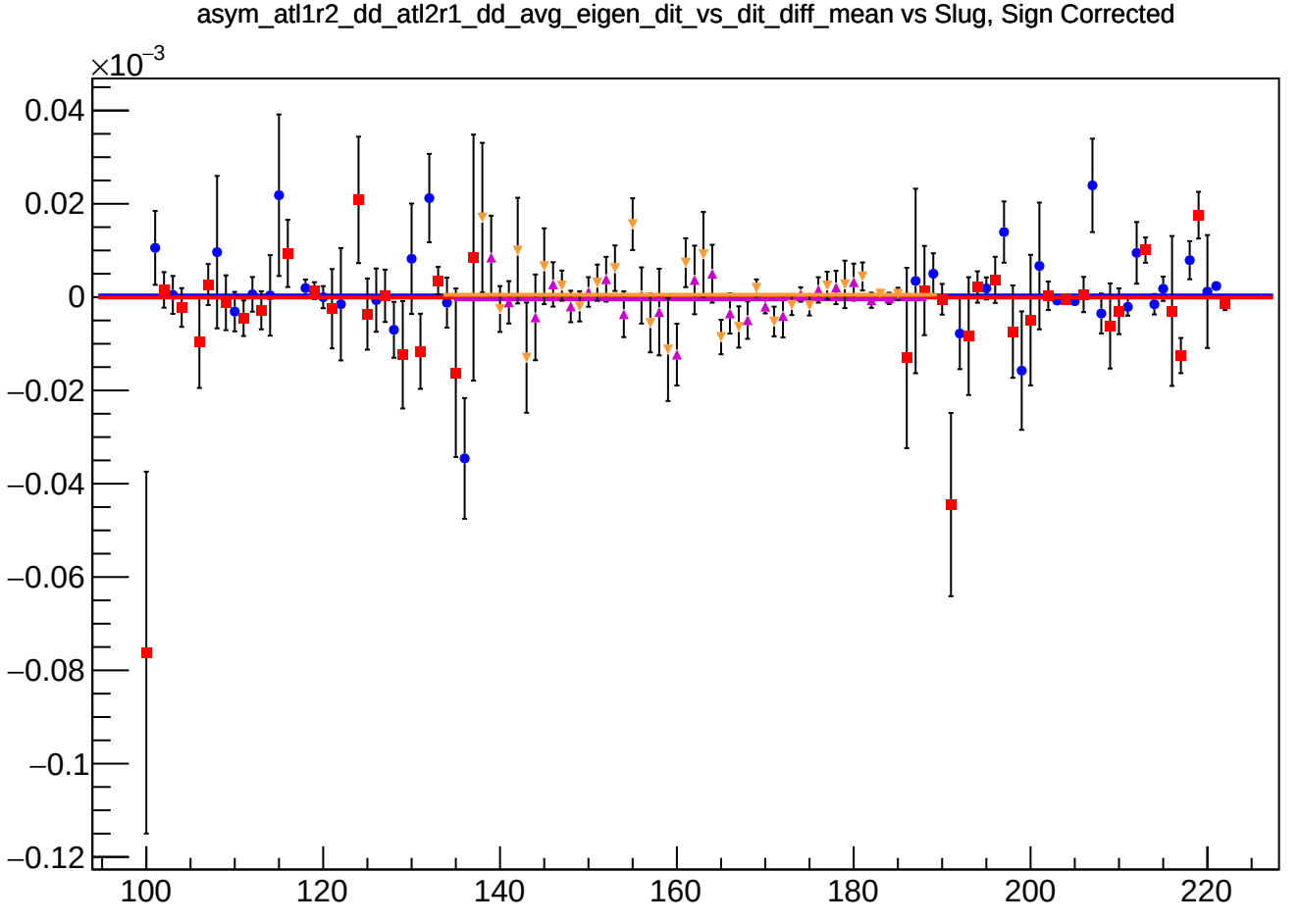
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.621+/-0.005 χ^2/NDF: 11129690.0/71

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.386+/-0.005 χ^2/NDF:18293000.7/62

All: 36.451+/-0.003 χ^2/NDF: 32308638.0/119



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: 65.3/37

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

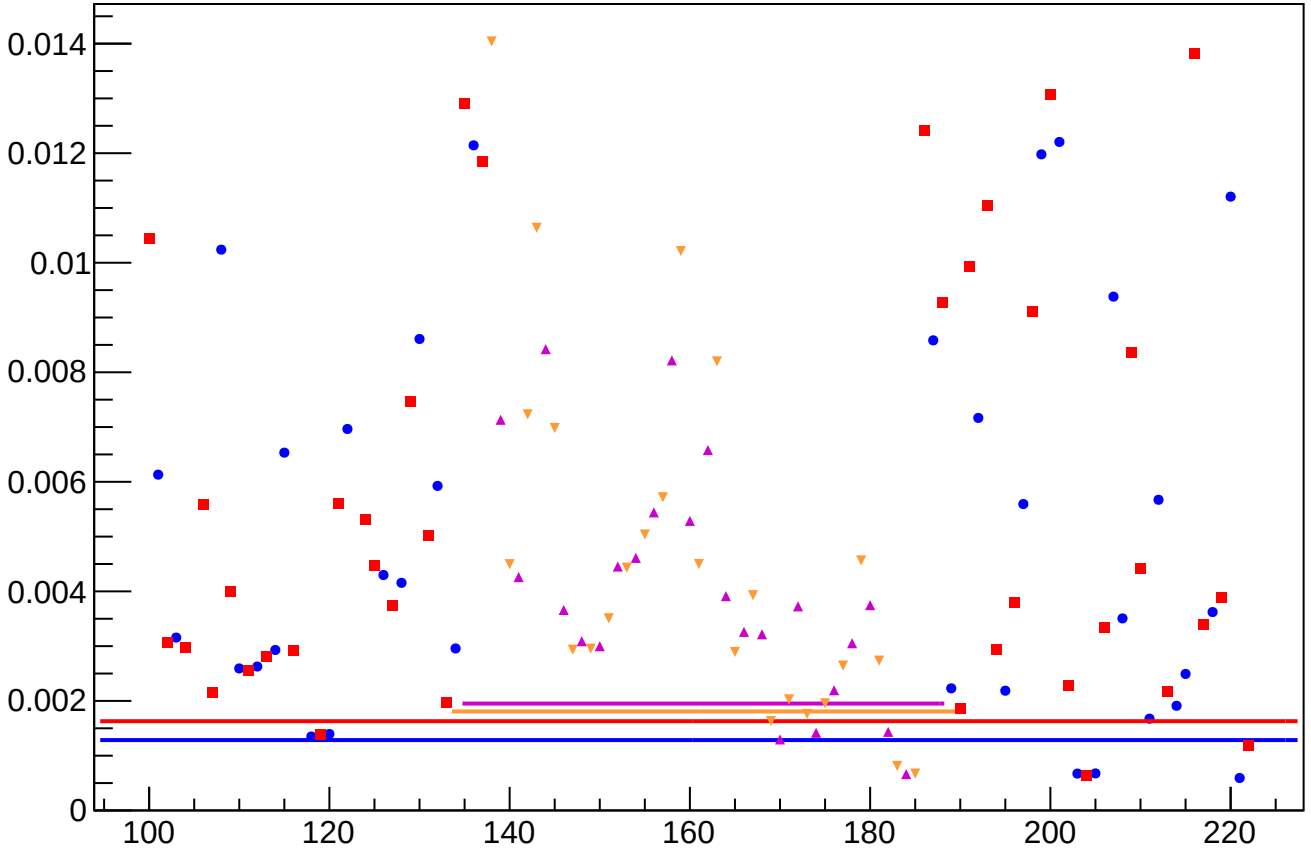
Right: 0.000+/-0.000 χ^2/NDF: 116.2/71

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:101.7/62

All: 0.000+/-0.000 χ^2/NDF: 167.1/119

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: 19475898.6/37

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

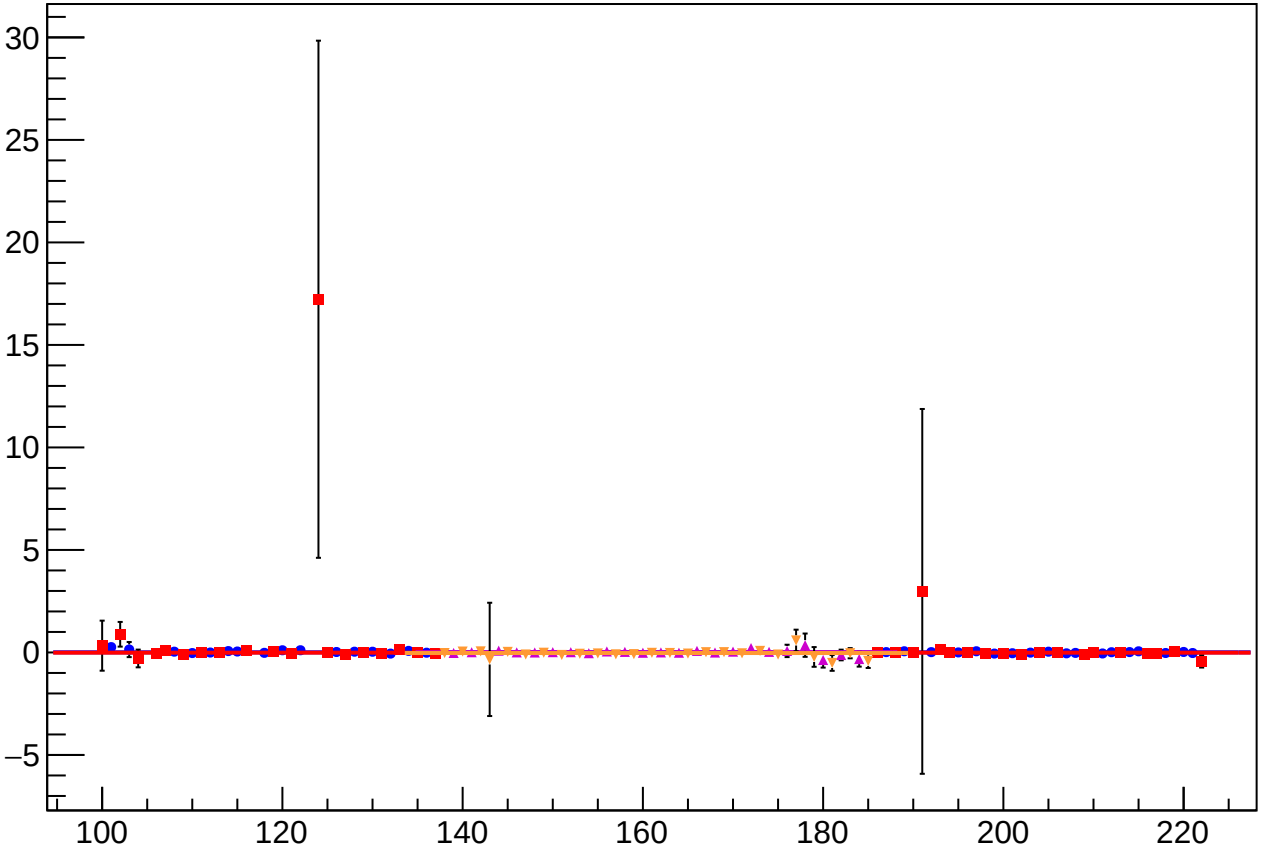
Right: 0.001+/-0.000 χ^2/NDF: 40526095.1/71

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.002+/-0.000 χ^2/NDF:34532055.8/62

All: 0.002+/-0.000 χ^2/NDF: 68520825.6/119

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

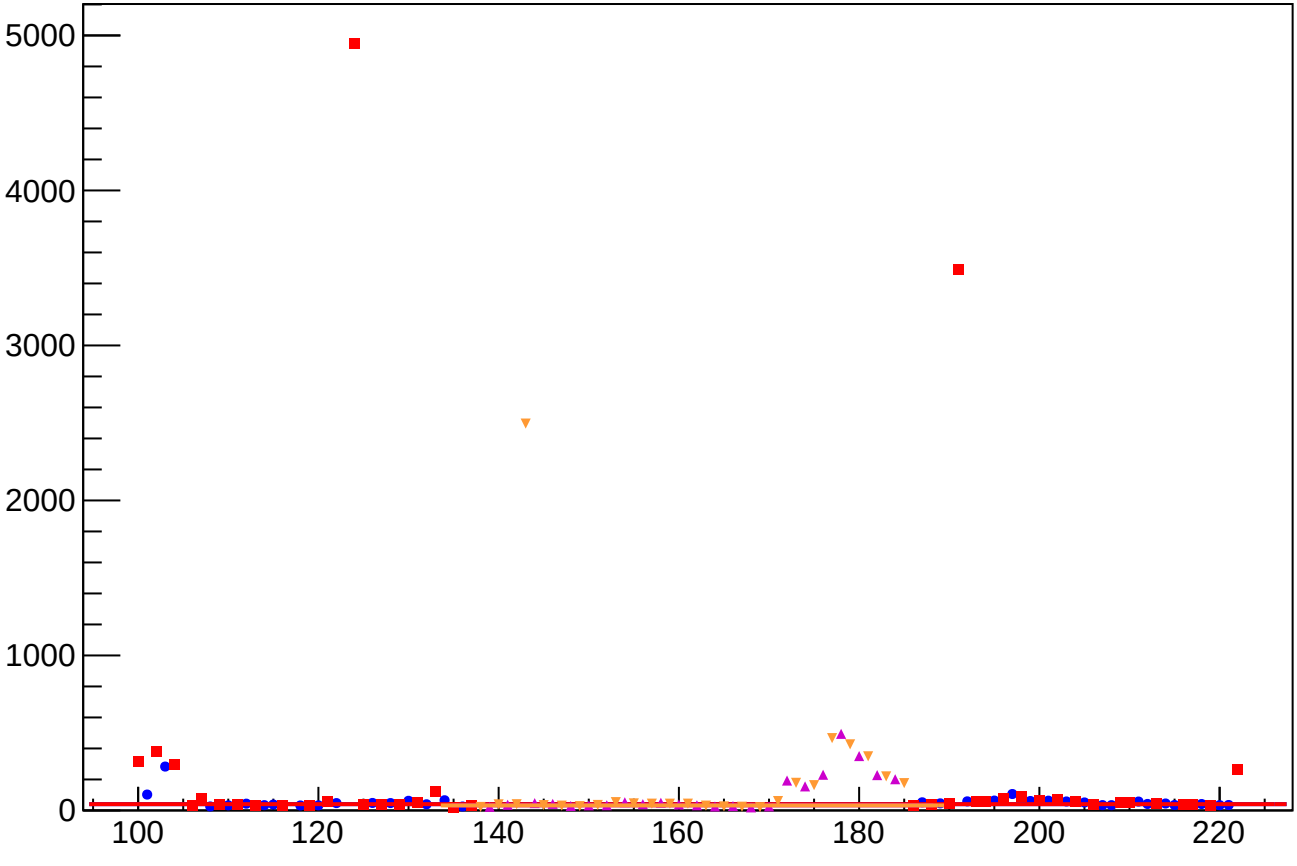
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734610.0/37

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

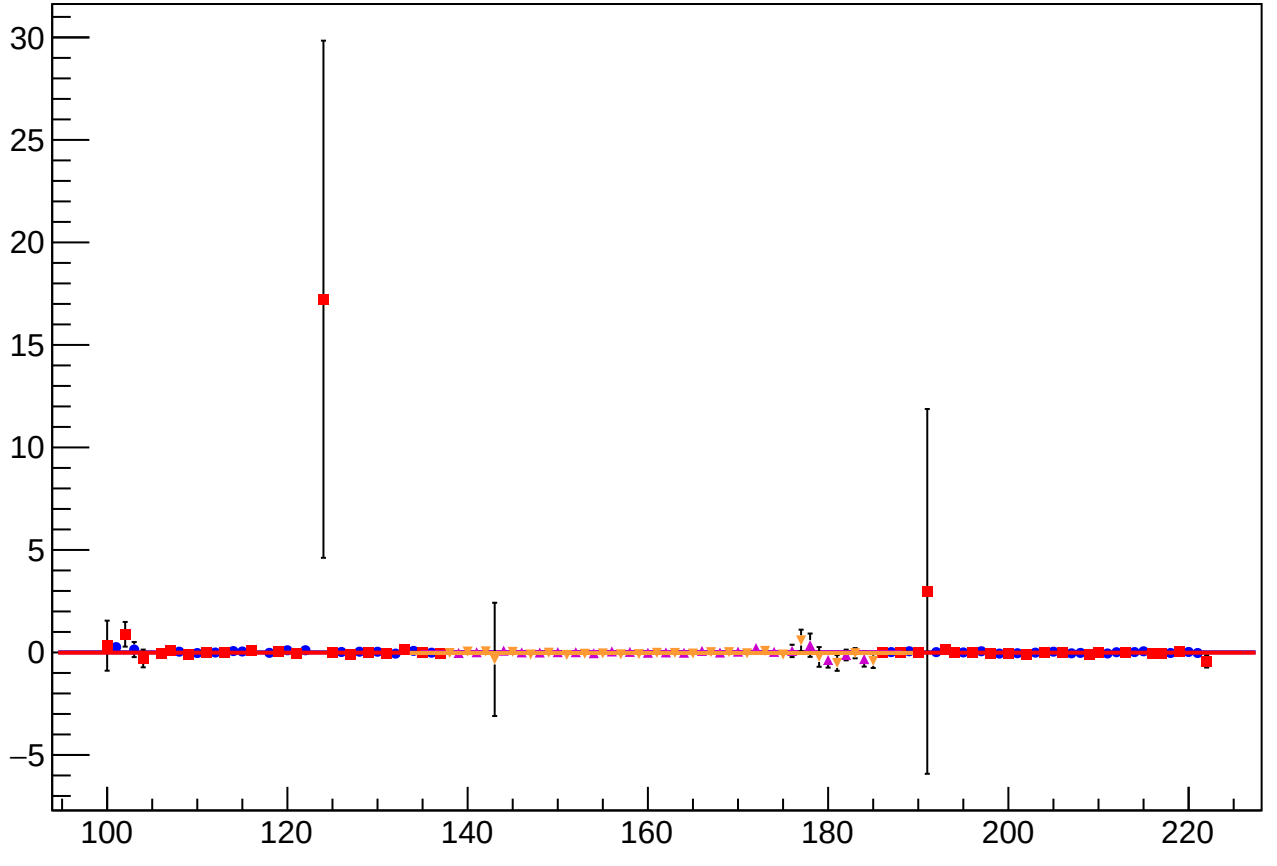
Right: 40.622+/-0.005 χ^2/NDF: 11129060.6/71

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.386+/-0.005 χ^2/NDF:18293070.1/62

All: 36.451+/-0.003 χ^2/NDF: 32309224.9/119

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 32.9/37

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

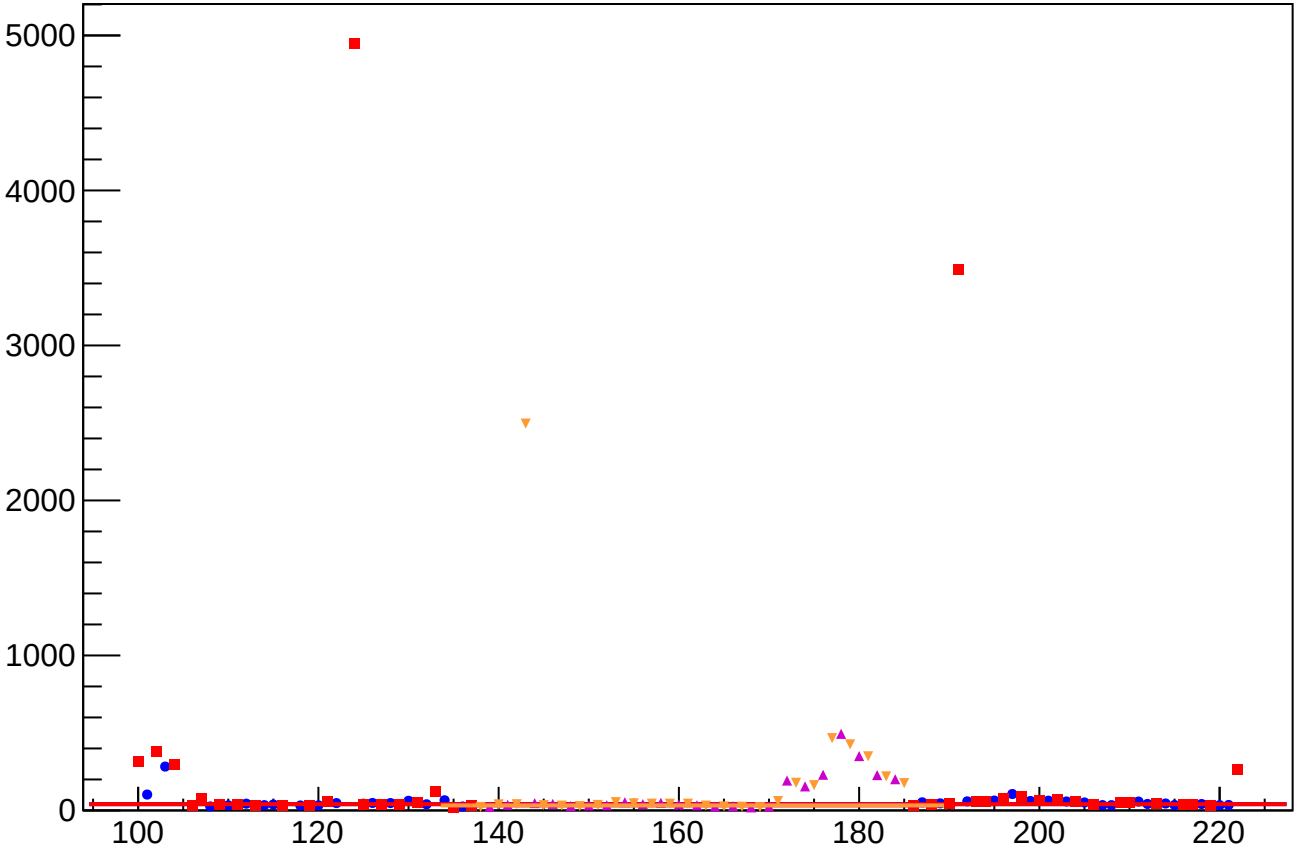
Right: -0.001+/-0.007 χ^2/NDF: 54.1/71

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.6/62

All: -0.005+/-0.005 χ^2/NDF: 104.3/119

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: 40.655+/-0.007 χ^2/NDF: 6734610.0/37

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

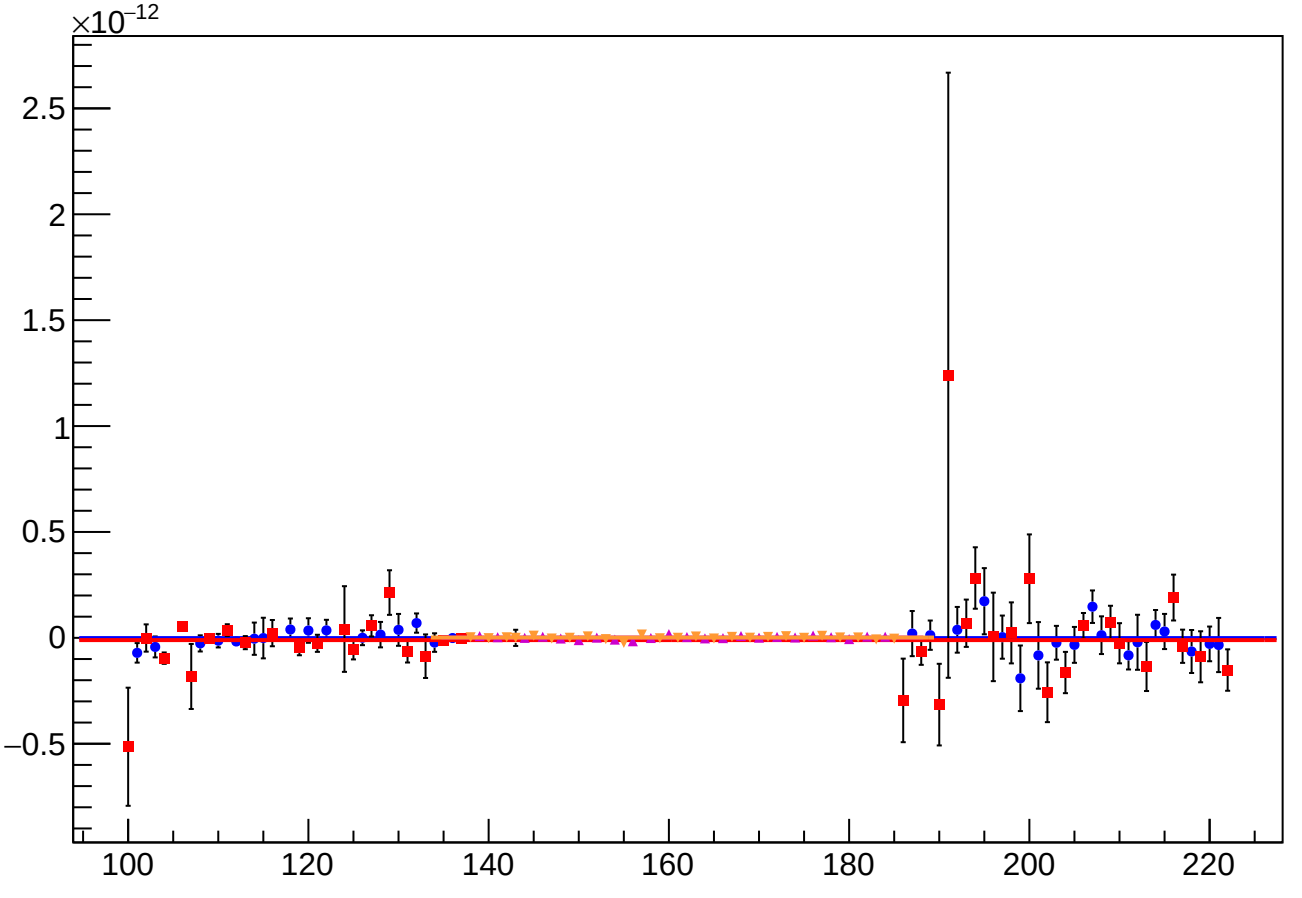
Right: 40.622+/-0.005 χ^2/NDF: 11129060.6/71

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.386+/-0.005 χ^2/NDF:18293070.1/62

All: 36.451+/-0.003 χ^2/NDF: 32309224.9/119

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: 67.6/37

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

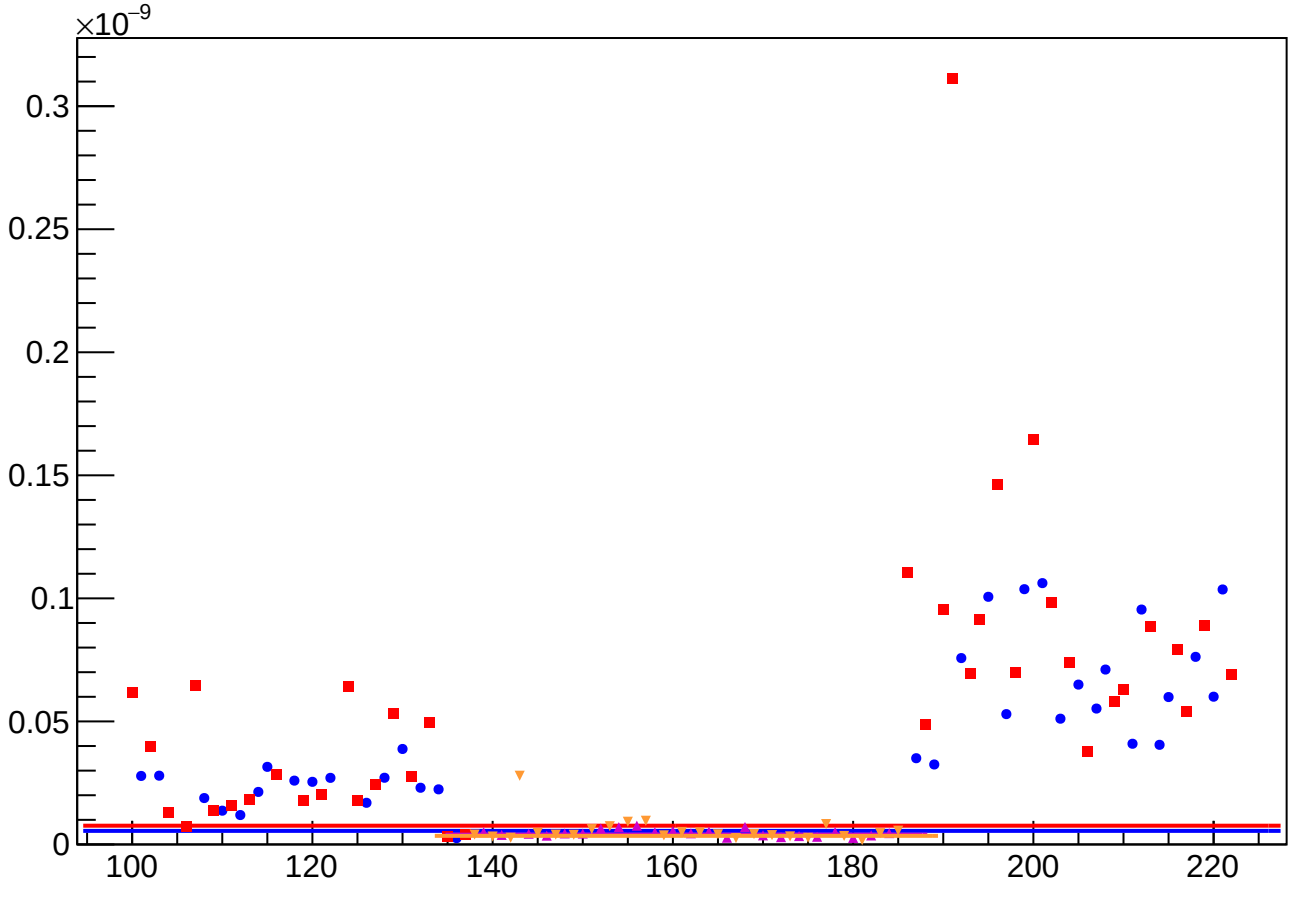
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 89.5/71

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:93.7/62

All: 0.000+/-0.000 χ^2/NDF: 141.7/119



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: 18708412.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

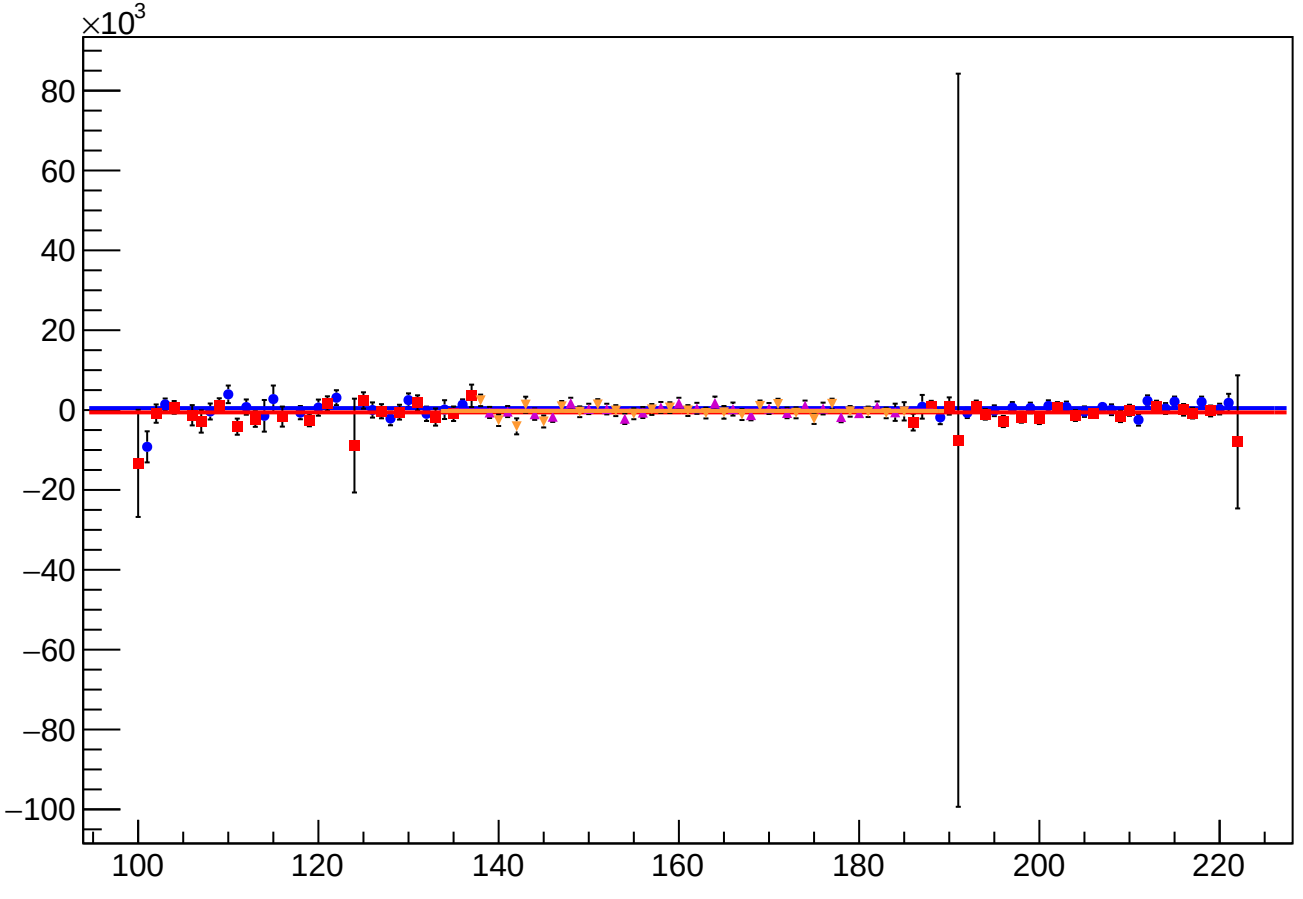
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 37961073.4/71

In: 0.000+/-0.000 χ^2/NDF:21388607.1/56

Out: 0.000+/-0.000 χ^2/NDF:25283570.6/62

All: 0.000+/-0.000 χ^2/NDF: 46805235.9/119



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: -578.785+/-277.572 χ^2/NDF: 30.0/37

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

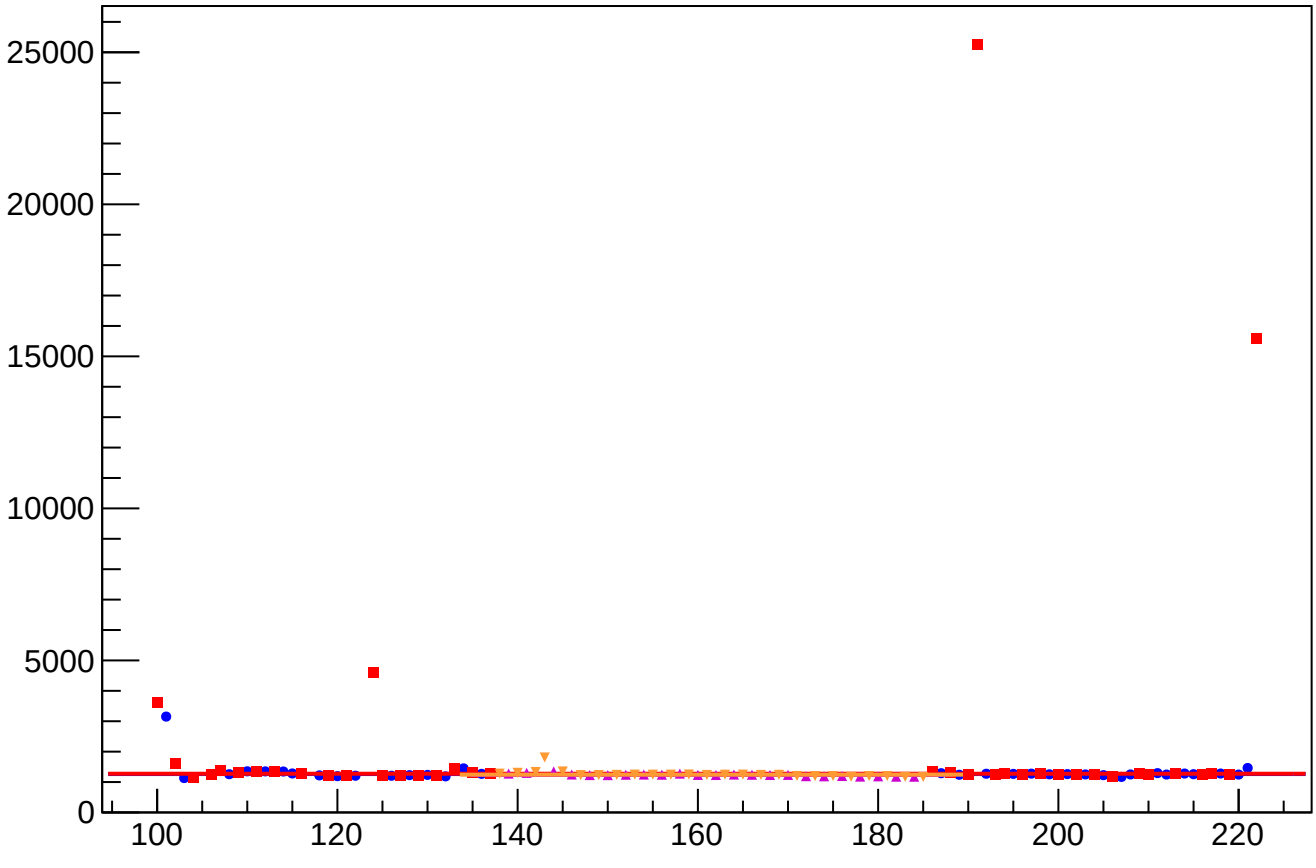
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -36.629+/-195.135 χ^2/NDF: 67.5/71

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -403.254+/-198.183 χ^2/NDF:54.7/62

All: -95.097+/-140.329 χ^2/NDF: 106.4/119



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: 1273.516+/-0.196 χ^2/NDF: 1963071.5/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

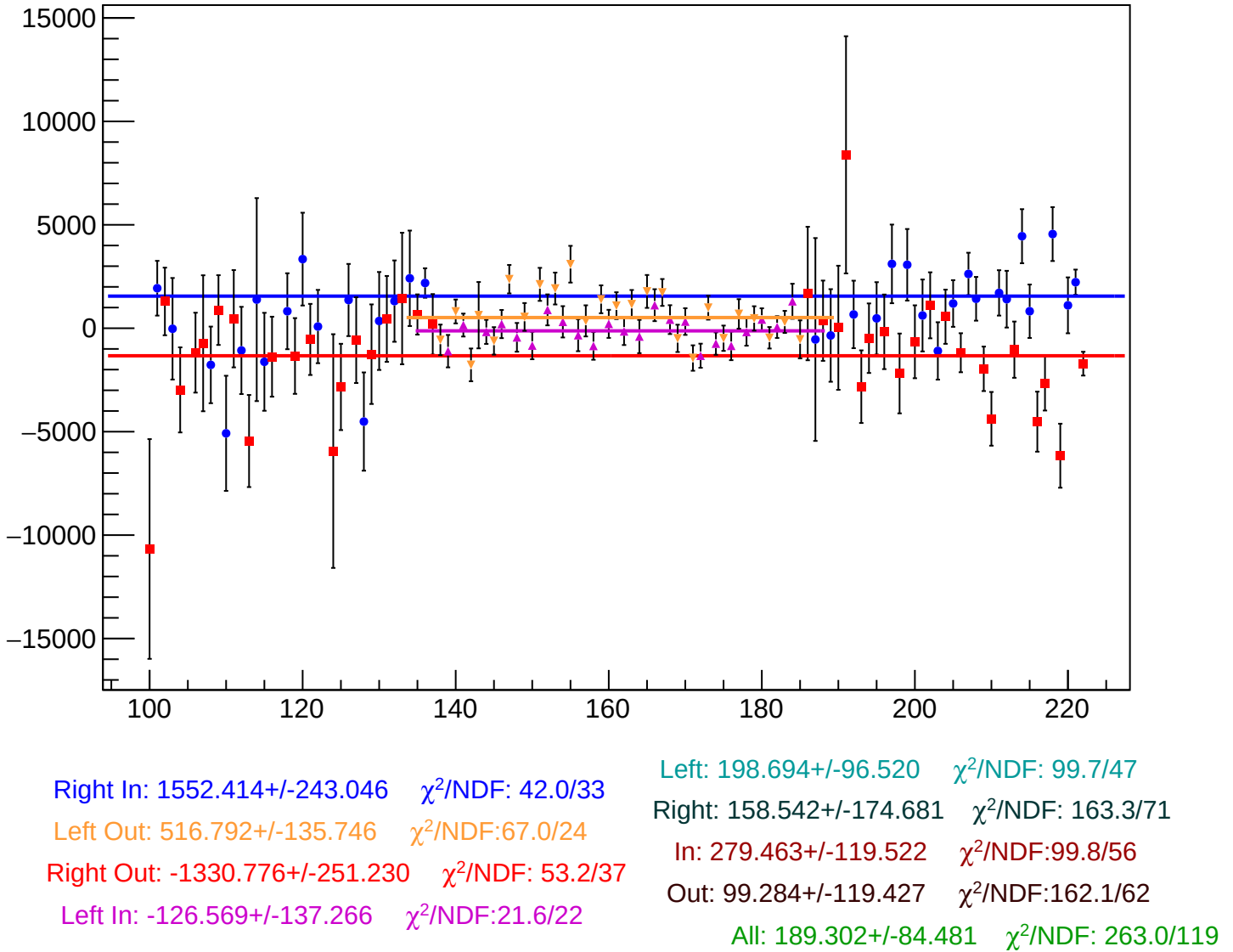
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

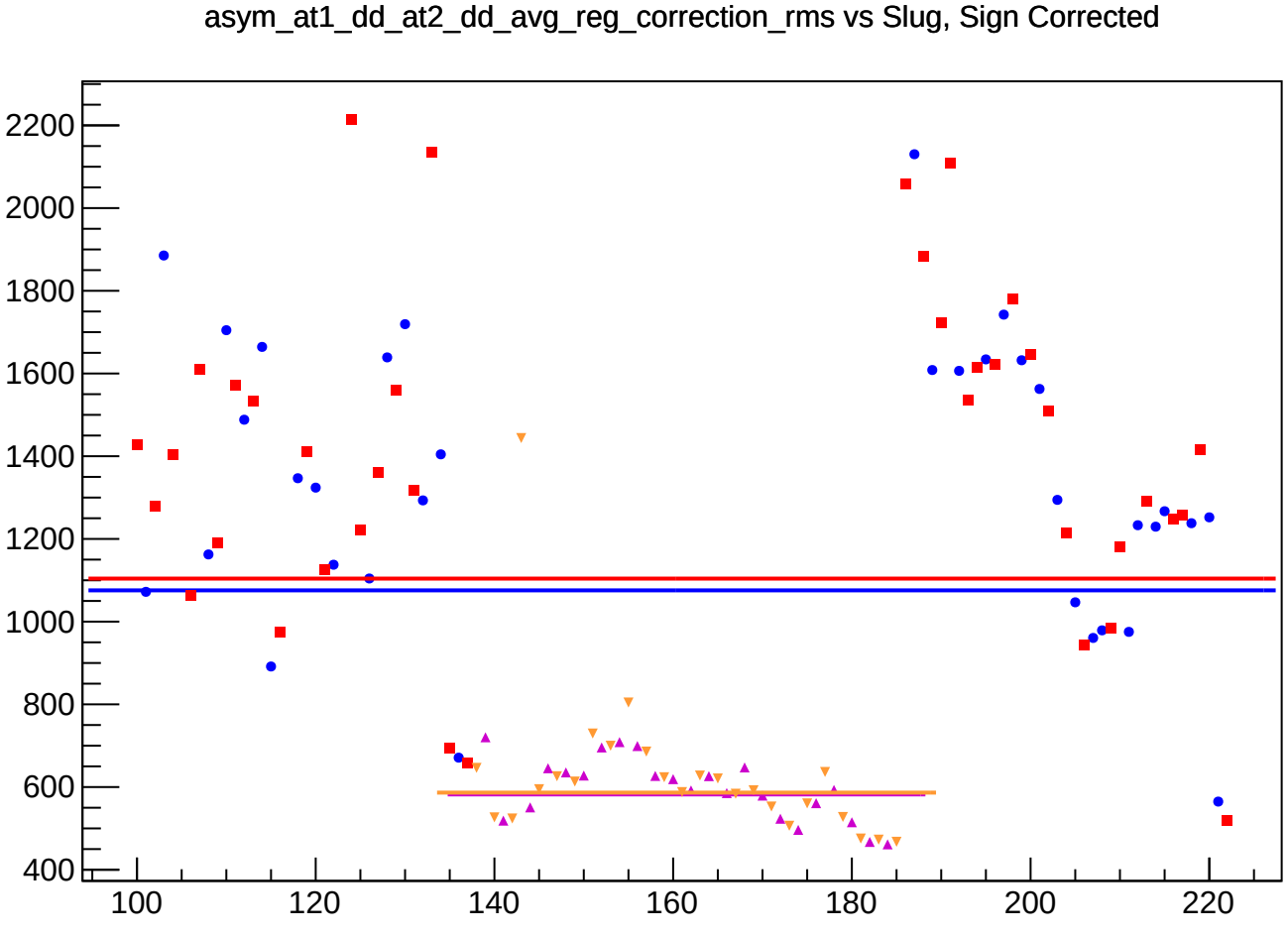
Right: 1268.271+/-0.138 χ^2/NDF: 2516523.0/71

In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1258.471+/-0.140 χ^2/NDF:2178357.3/62

All: 1253.834+/-0.099 χ^2/NDF: 2782786.3/11


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1552.414+/-243.046 χ²/NDF: 42.0/33
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -1330.776+/-251.230 χ²/NDF: 53.2/37
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 158.542+/-174.681 χ²/NDF: 163.3/71
In: 279.463+/-119.522 χ²/NDF:99.8/56
Out: 99.284+/-119.427 χ²/NDF:162.1/62
All: 189.302+/-84.481 χ²/NDF: 263.0/119



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: 1104.089+/-0.178 χ^2/NDF: 5322940.7/37

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

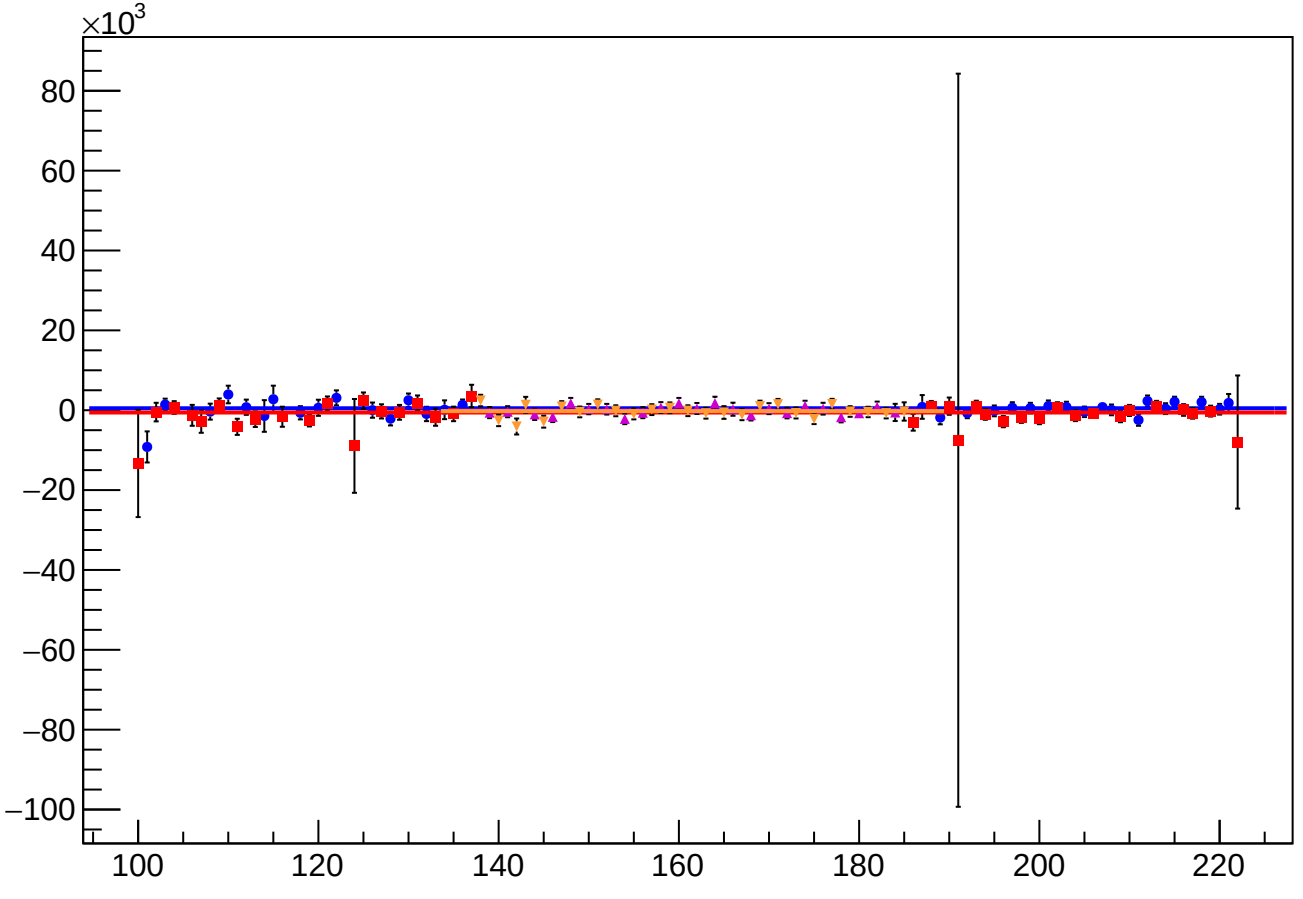
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1089.384+/-0.124 χ^2/NDF: 9728238.7/71

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 703.508+/-0.084 χ^2/NDF:13095097.0/62

All: 702.514+/-0.060 χ^2/NDF: 24296498.7/11



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: -572.022+/-277.729 χ^2/NDF: 30.0/37

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

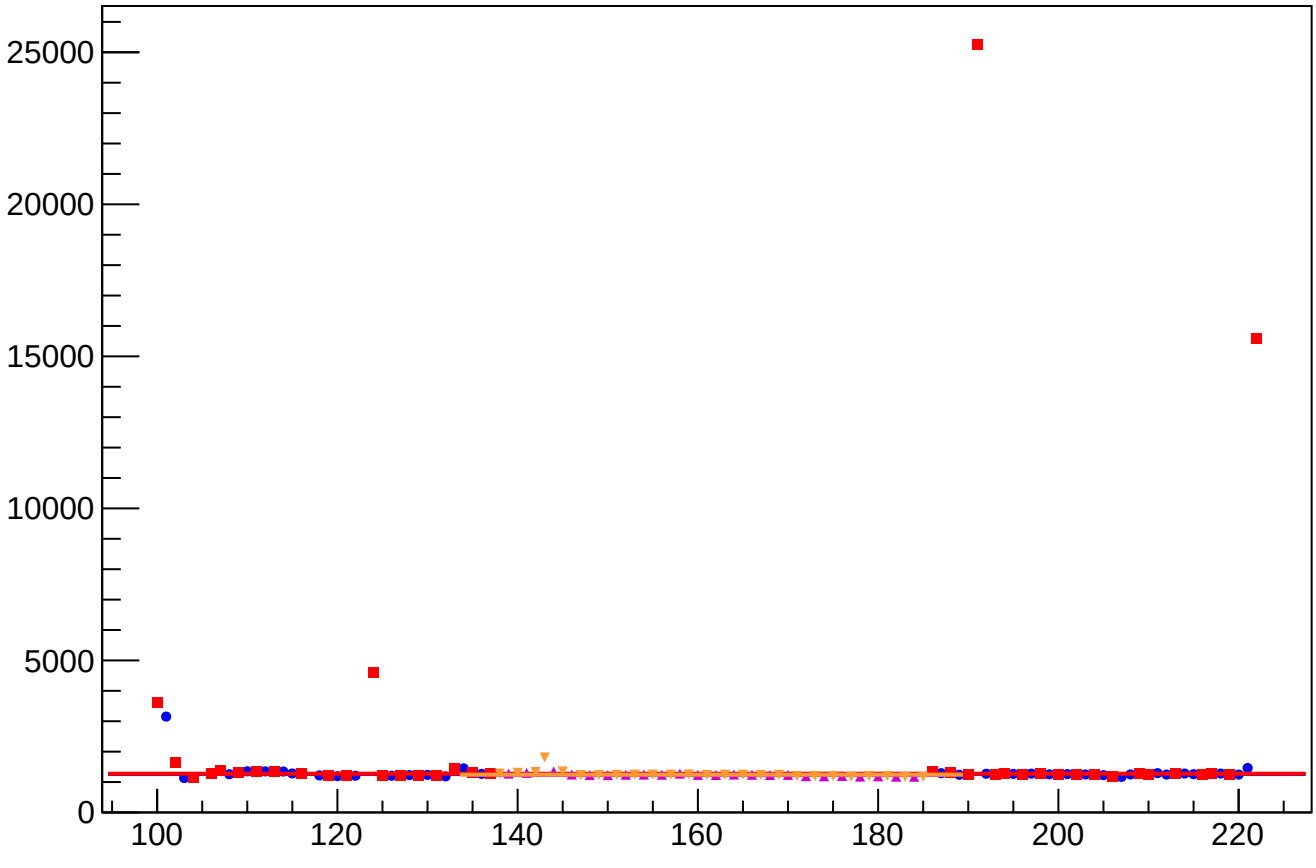
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.897+/-195.189 χ^2/NDF: 67.4/71

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.724+/-198.240 χ^2/NDF:54.7/62

All: -93.209+/-140.349 χ^2/NDF: 106.3/119



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: 1274.268+/-0.196 χ^2/NDF: 1970105.9/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

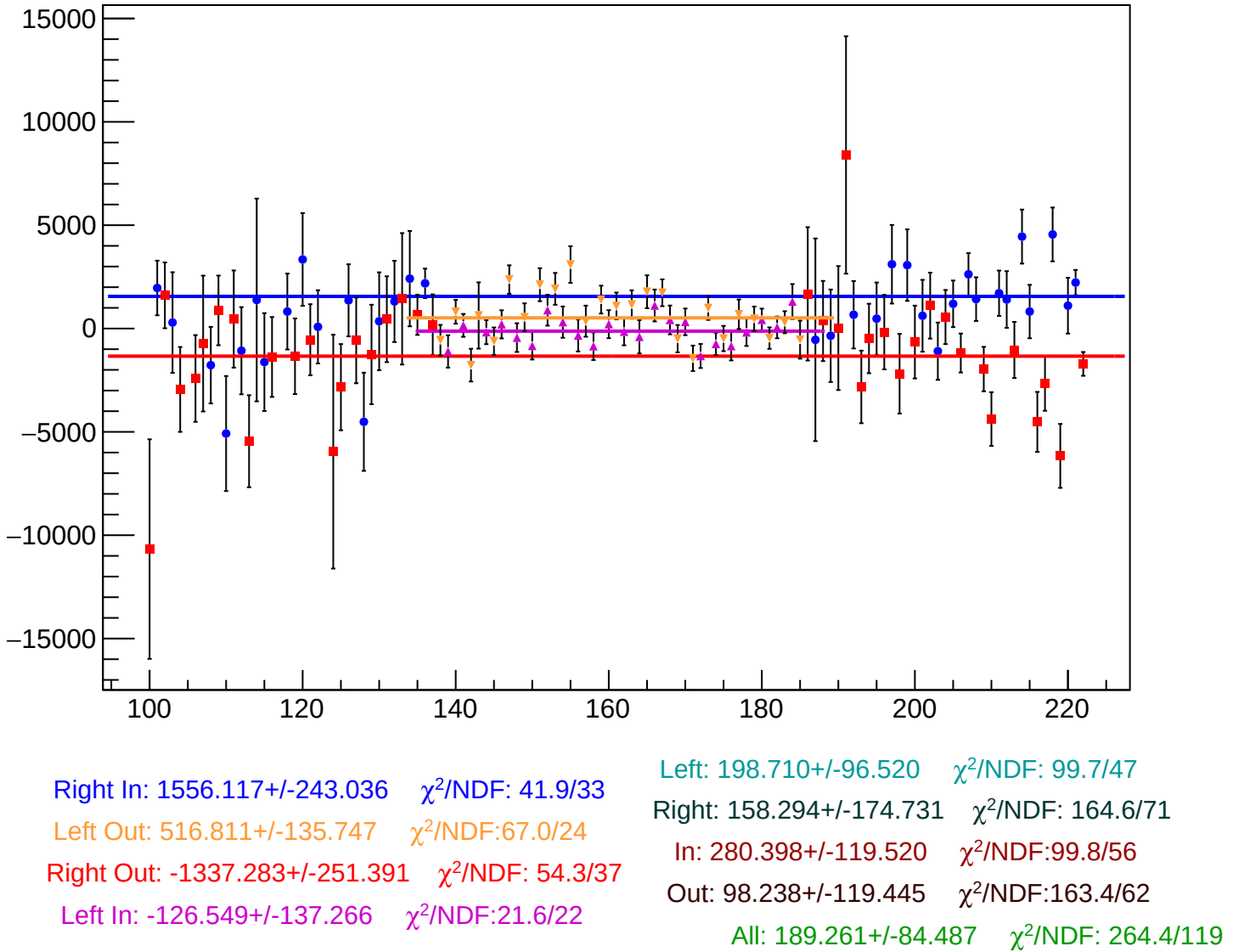
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

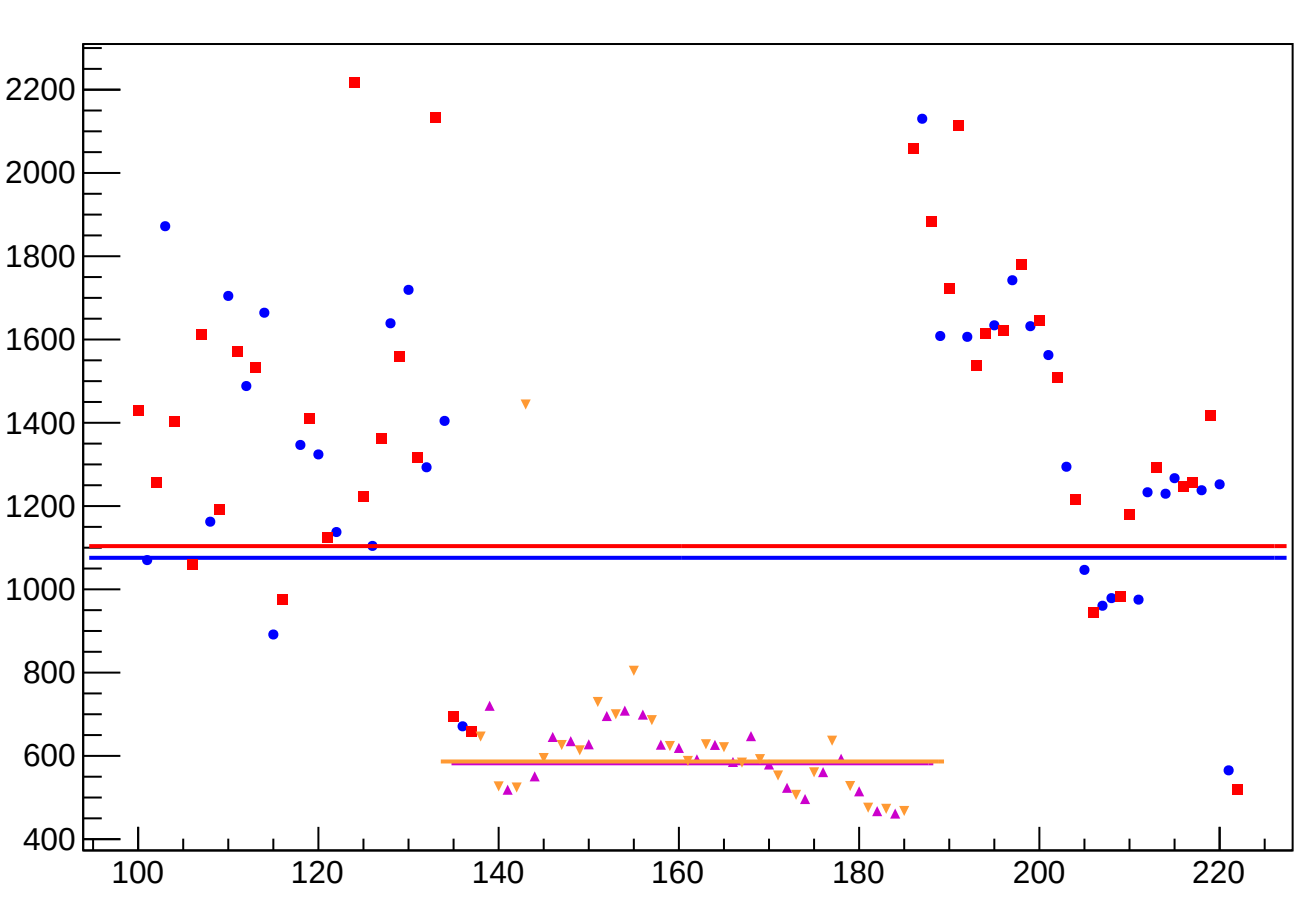
Right: 1268.640+/-0.138 χ^2/NDF: 2523770.0/71

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1258.845+/-0.140 χ^2/NDF:2185979.4/62

All: 1254.020+/-0.099 χ^2/NDF: 2790589.4/11


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1556.117+/-243.036 χ²/NDF: 41.9/33
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -1337.283+/-251.391 χ²/NDF: 54.3/37
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 158.294+/-174.731 χ²/NDF: 164.6/71
In: 280.398+/-119.520 χ²/NDF:99.8/56
Out: 98.238+/-119.445 χ²/NDF:163.4/62
All: 189.261+/-84.487 χ²/NDF: 264.4/119



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: 1103.817+/-0.178 χ^2/NDF: 5318718.6/37

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

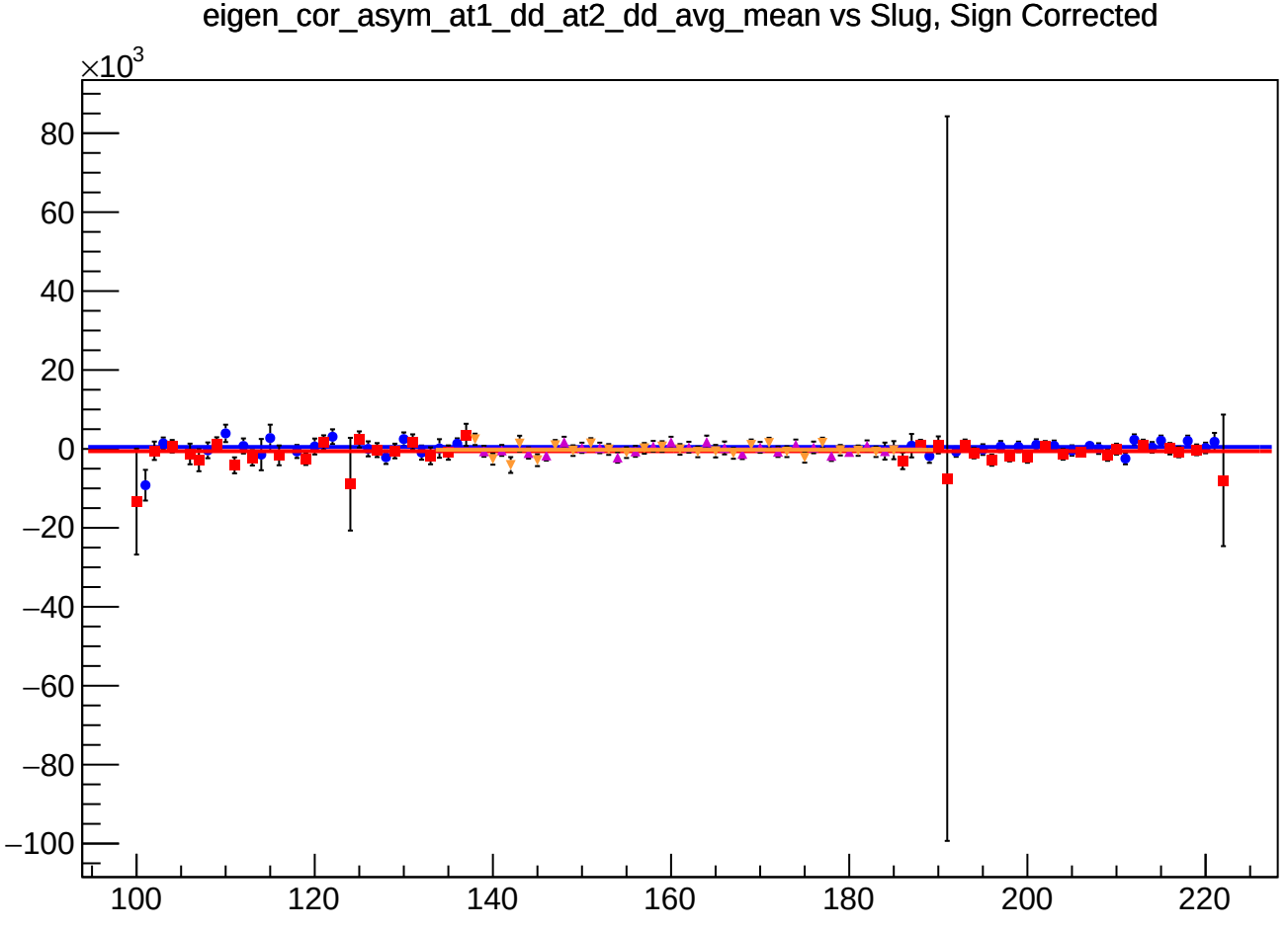
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1089.295+/-0.124 χ^2/NDF: 9716137.9/71

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 703.335+/-0.084 χ^2/NDF:13077242.0/62

All: 702.442+/-0.060 χ^2/NDF: 24274116.9/11



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: -572.022+/-277.729 χ^2/NDF: 30.0/37

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

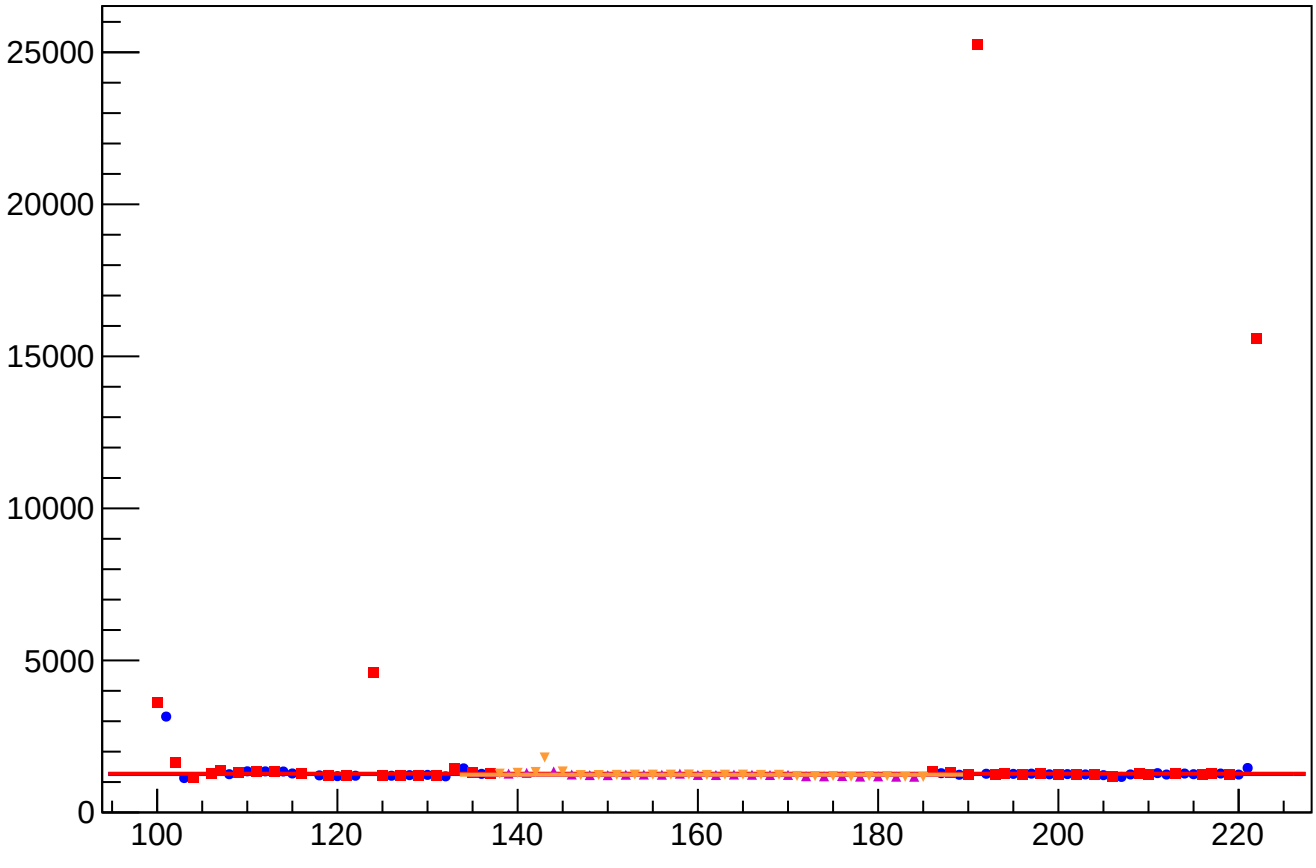
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.897+/-195.189 χ^2/NDF: 67.4/71

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.724+/-198.240 χ^2/NDF:54.7/62

All: -93.209+/-140.349 χ^2/NDF: 106.3/119



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: 1274.268+/-0.196 χ^2/NDF: 1970105.9/37

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

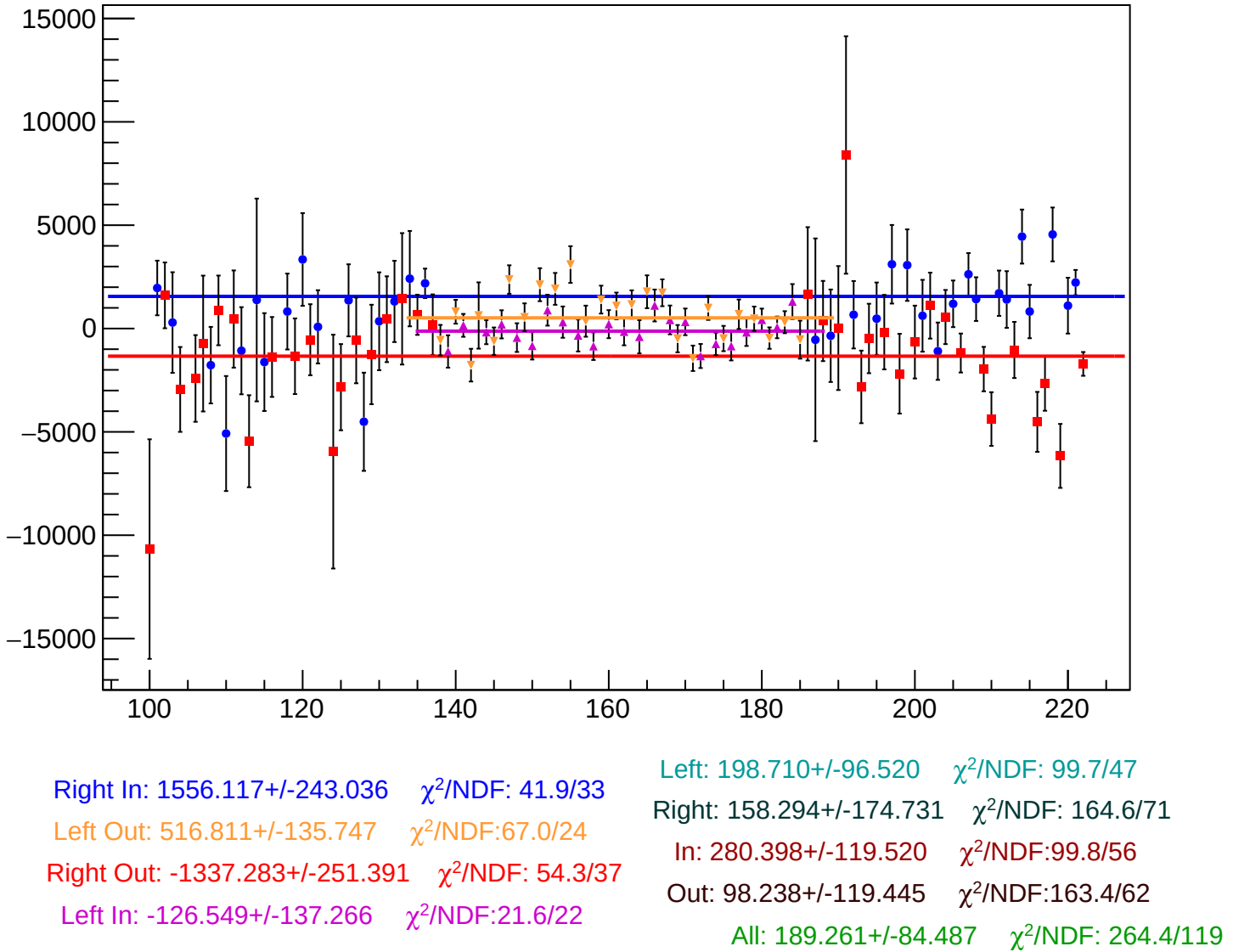
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1268.640+/-0.138 χ^2/NDF: 2523770.0/71

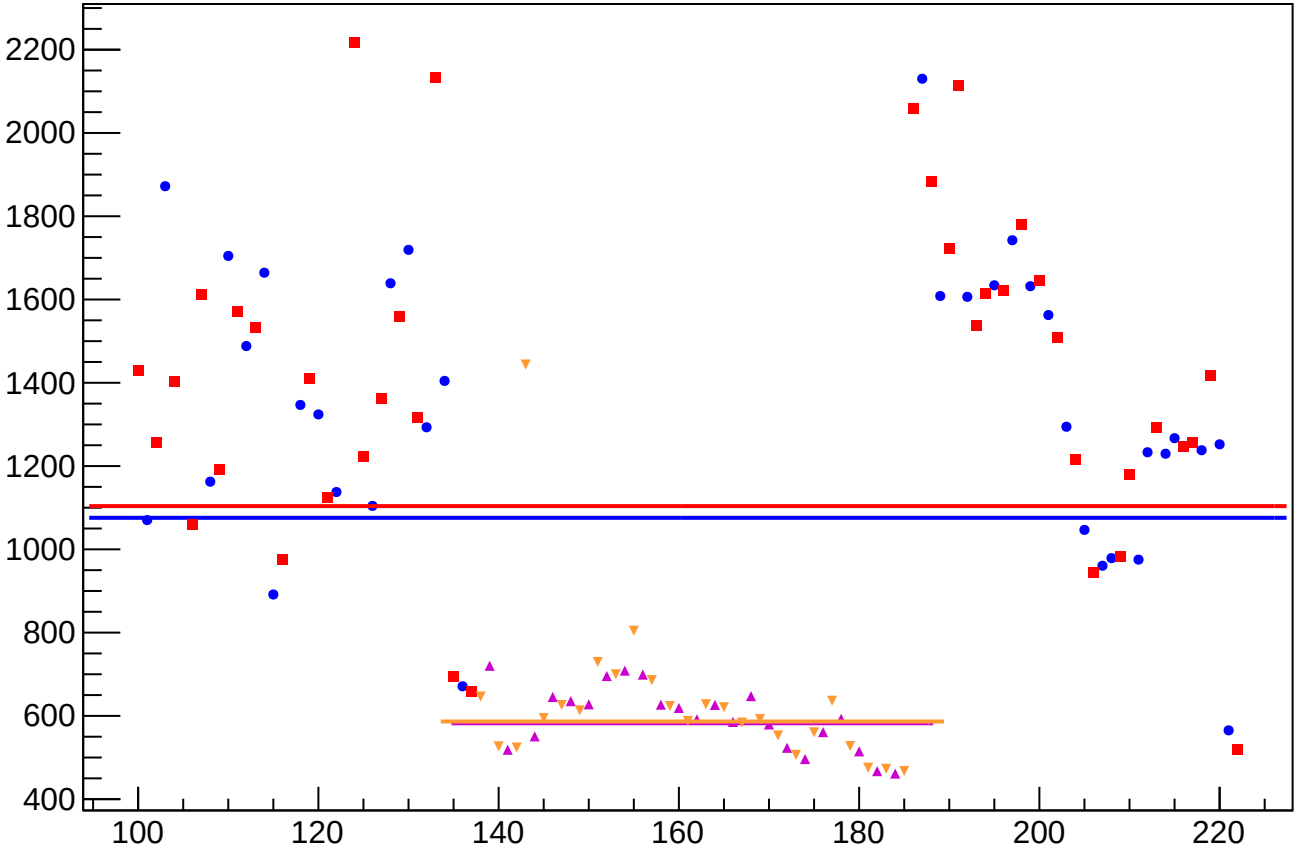
In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1258.845+/-0.140 χ^2/NDF:2185979.4/62

All: 1254.020+/-0.099 χ^2/NDF: 2790589.4/11


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: -1337.283+/-251.391 χ²/NDF: 54.3/37
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 158.294+/-174.731 χ²/NDF: 164.6/71
In: 280.398+/-119.520 χ²/NDF:99.8/56
Out: 98.238+/-119.445 χ²/NDF:163.4/62
All: 189.261+/-84.487 χ²/NDF: 264.4/119

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1103.817+/-0.178 χ^2/NDF: 5318718.6/37

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

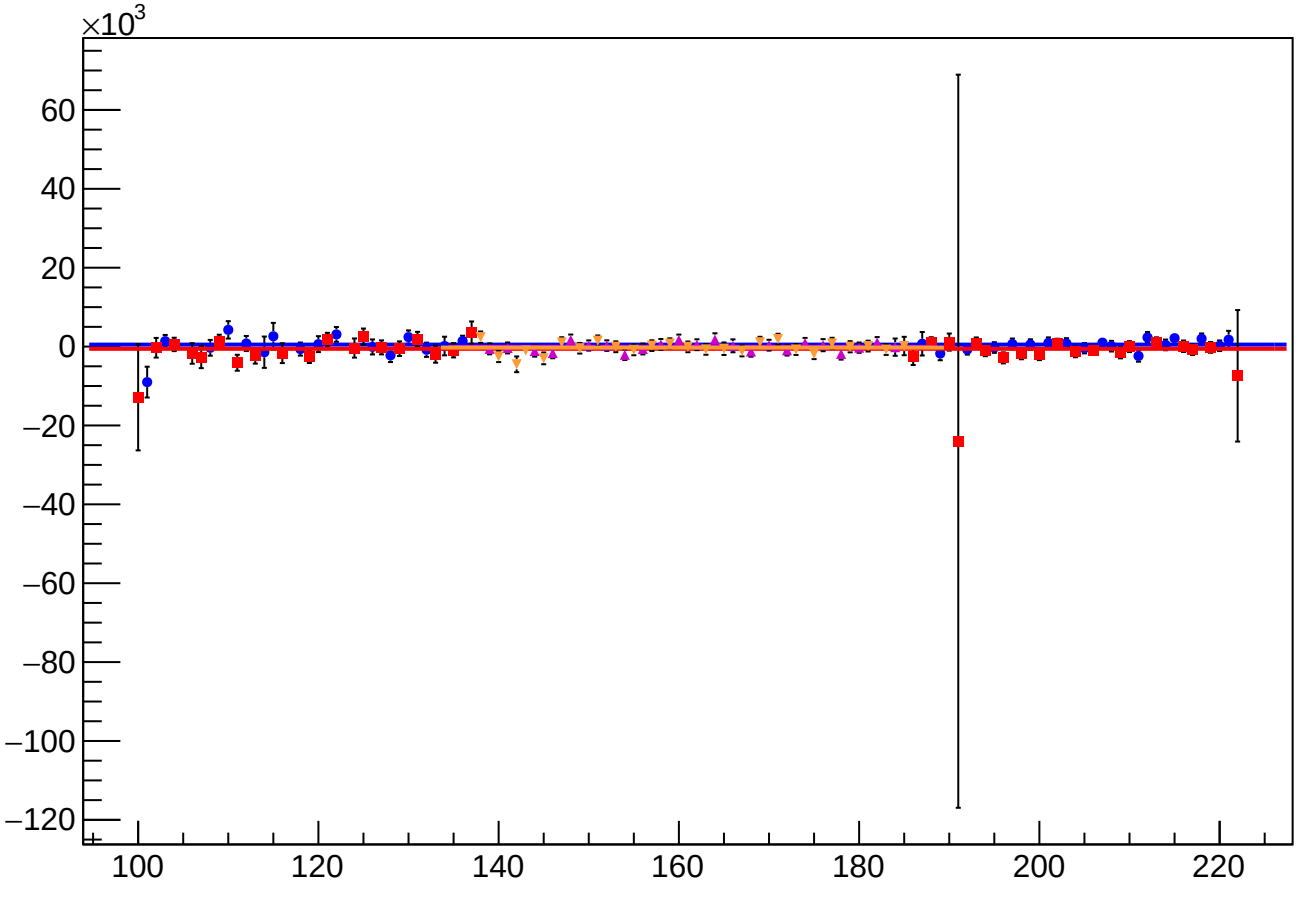
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1089.295+/-0.124 χ^2/NDF: 9716137.9/71

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 703.335+/-0.084 χ^2/NDF:13077242.0/62

All: 702.442+/-0.060 χ^2/NDF: 24274116.9/1



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: -569.025+/-277.179 χ^2/NDF: 29.5/37

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

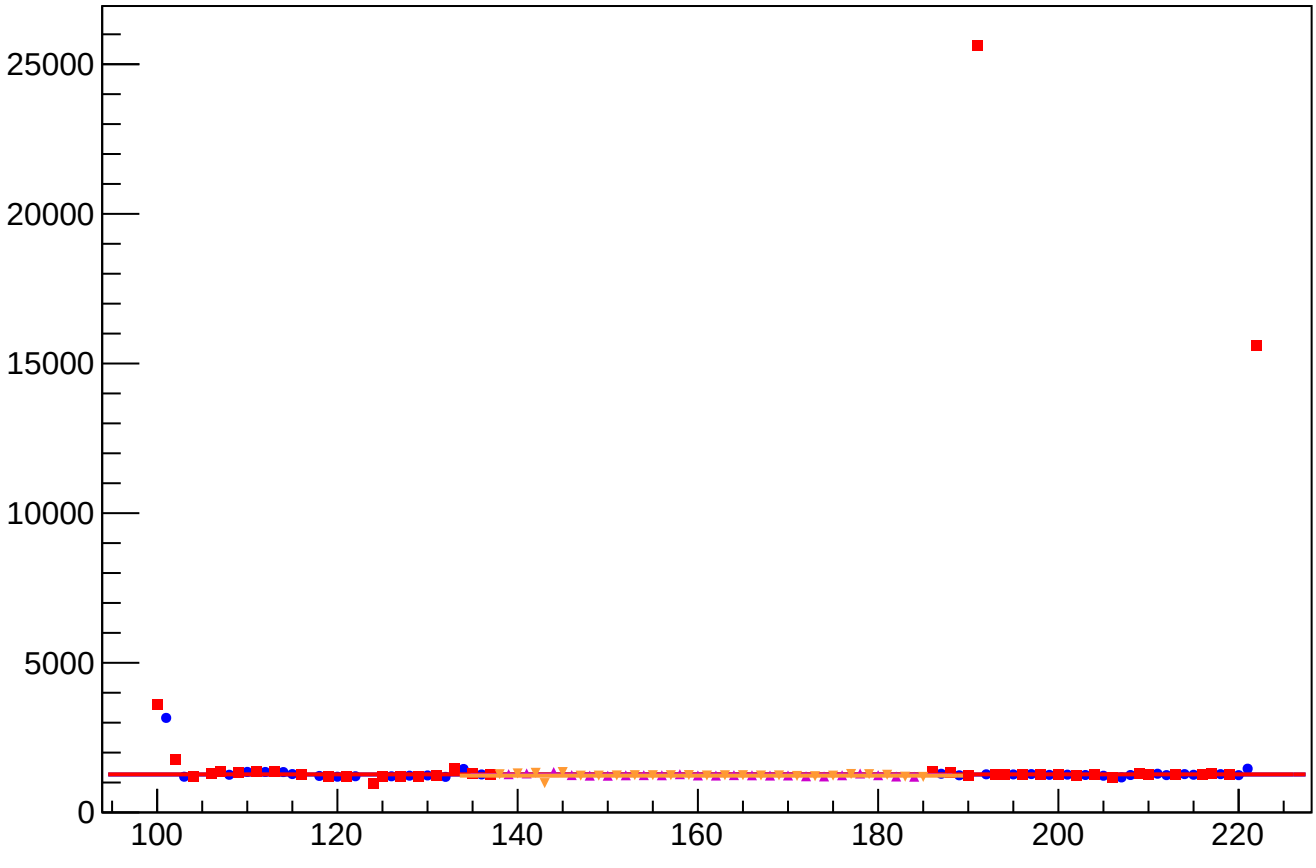
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -32.068+/-195.264 χ^2/NDF: 66.8/71

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -411.504+/-196.958 χ^2/NDF:54.2/62

All: -97.001+/-140.356 χ^2/NDF: 105.2/119



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: 1273.086+/-0.196 χ^2/NDF: 1861604.8/37

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

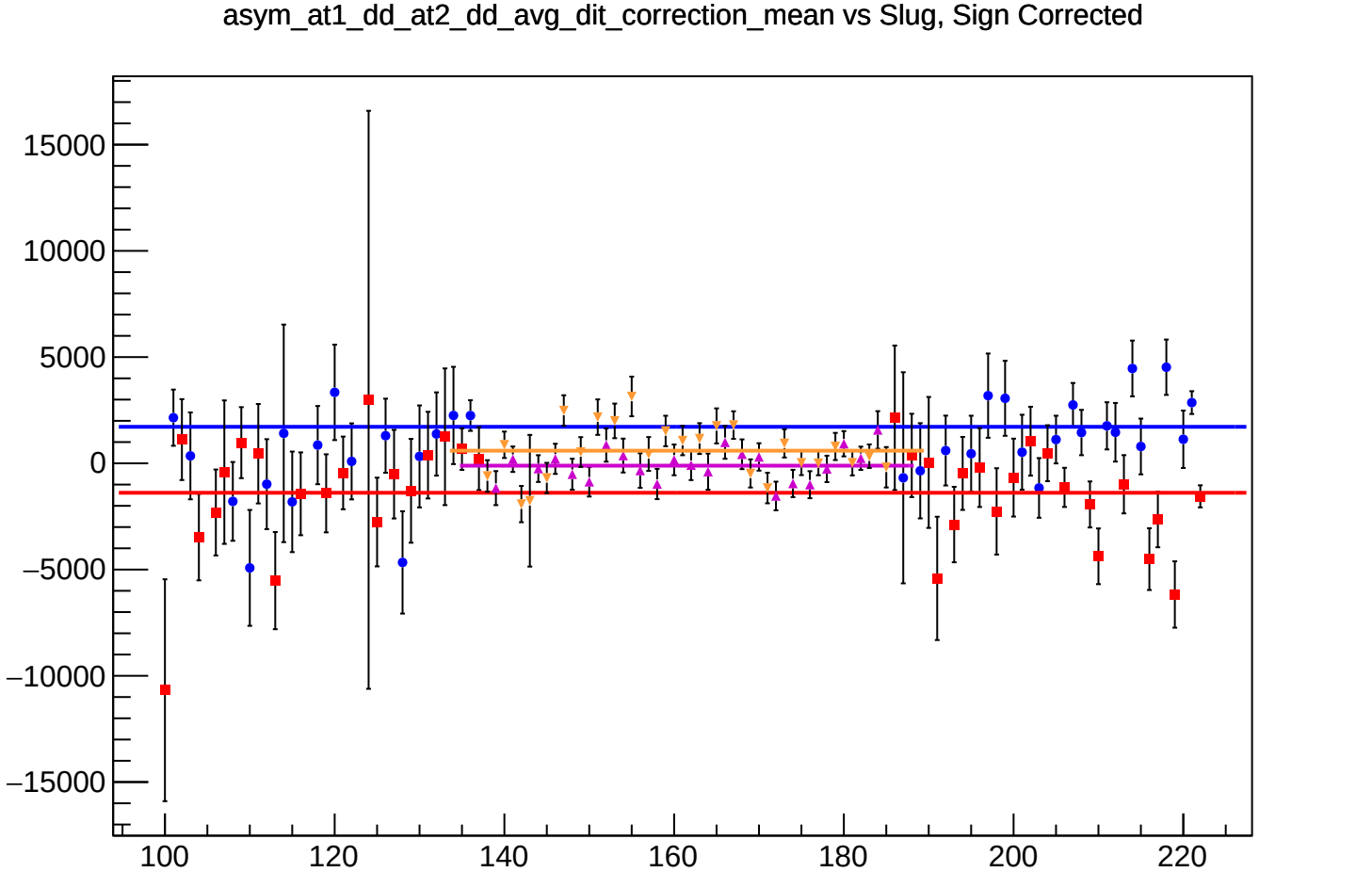
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1269.874+/-0.138 χ^2/NDF: 2403493.8/71

In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1251.749+/-0.139 χ^2/NDF:2027153.1/62

All: 1254.723+/-0.099 χ^2/NDF: 2601235.7/11



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: -1385.652+/-247.583 χ^2/NDF: 50.8/37

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

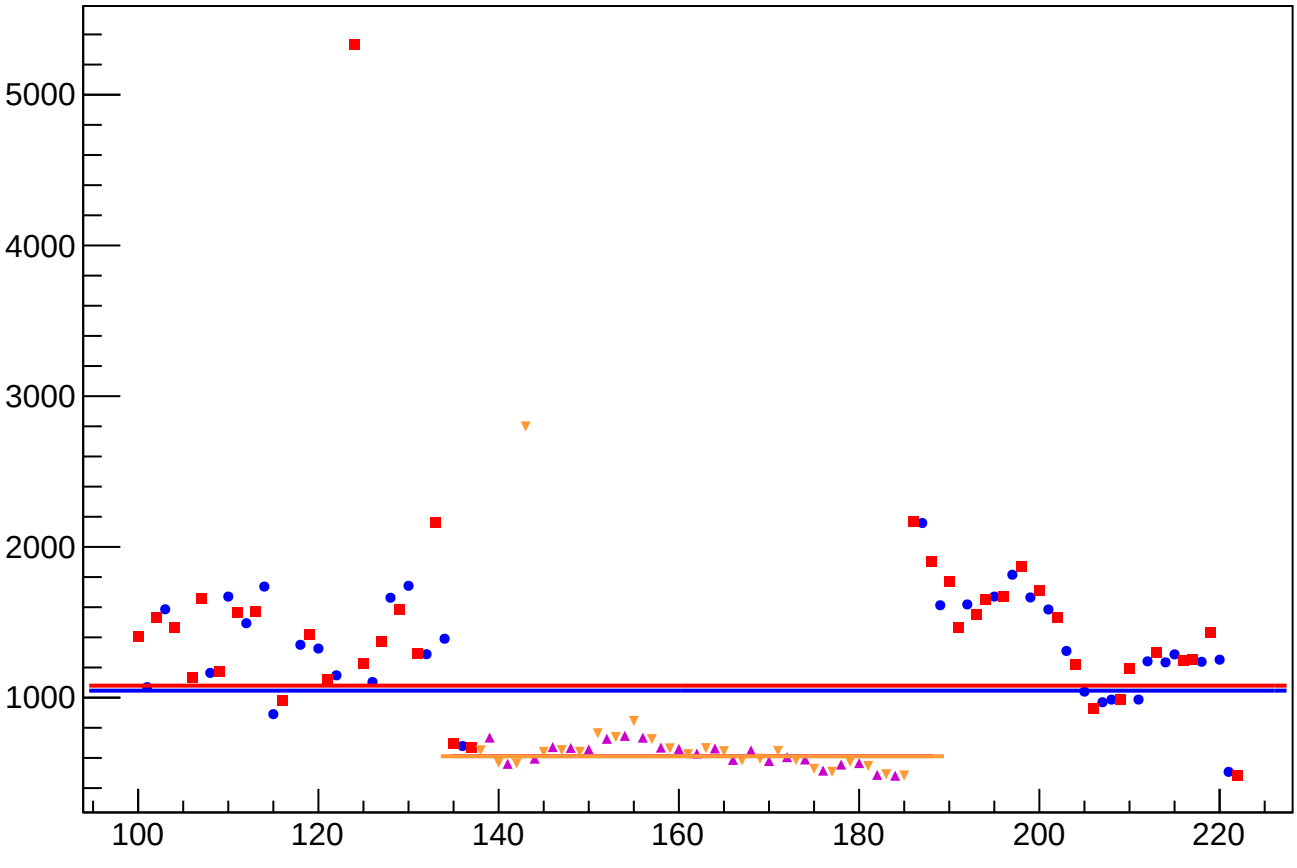
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 223.914+/-171.804 χ^2/NDF: 179.3/71

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 104.055+/-123.263 χ^2/NDF:156.3/62

All: 241.458+/-87.220 χ^2/NDF: 274.4/119



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: 1079.724+/-0.175 χ^2/NDF: 6443612.2/37

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

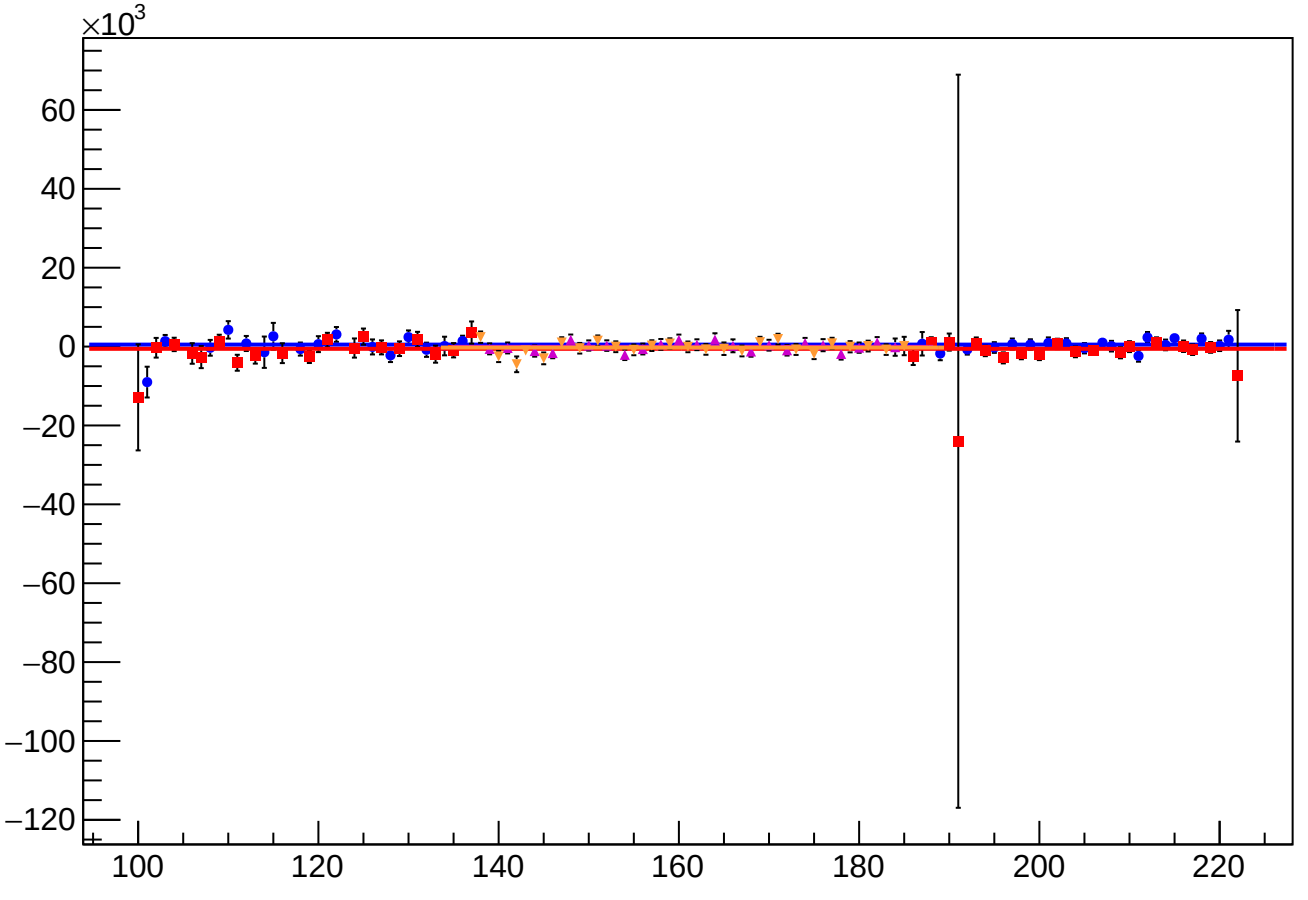
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1062.489+/-0.121 χ^2/NDF: 11627203.7/71

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 727.248+/-0.087 χ^2/NDF:13452510.2/62

All: 727.907+/-0.062 χ^2/NDF: 23974183.0/11



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: -569.022+/-277.179 χ^2/NDF: 29.5/37

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

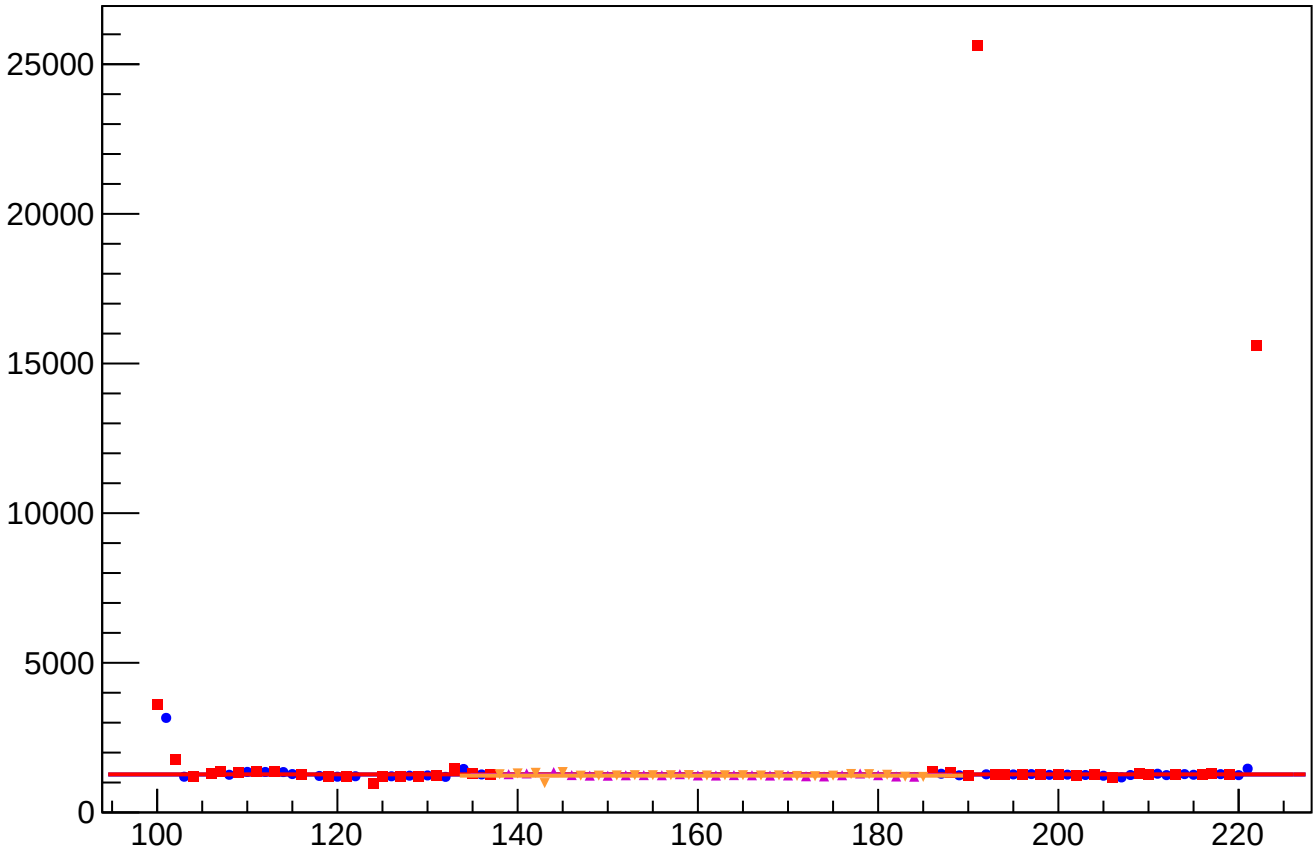
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -32.069+/-195.264 χ^2/NDF: 66.8/71

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -411.504+/-196.958 χ^2/NDF:54.2/62

All: -97.002+/-140.356 χ^2/NDF: 105.2/119



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: 1273.086+/-0.196 χ^2/NDF: 1861604.6/37

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

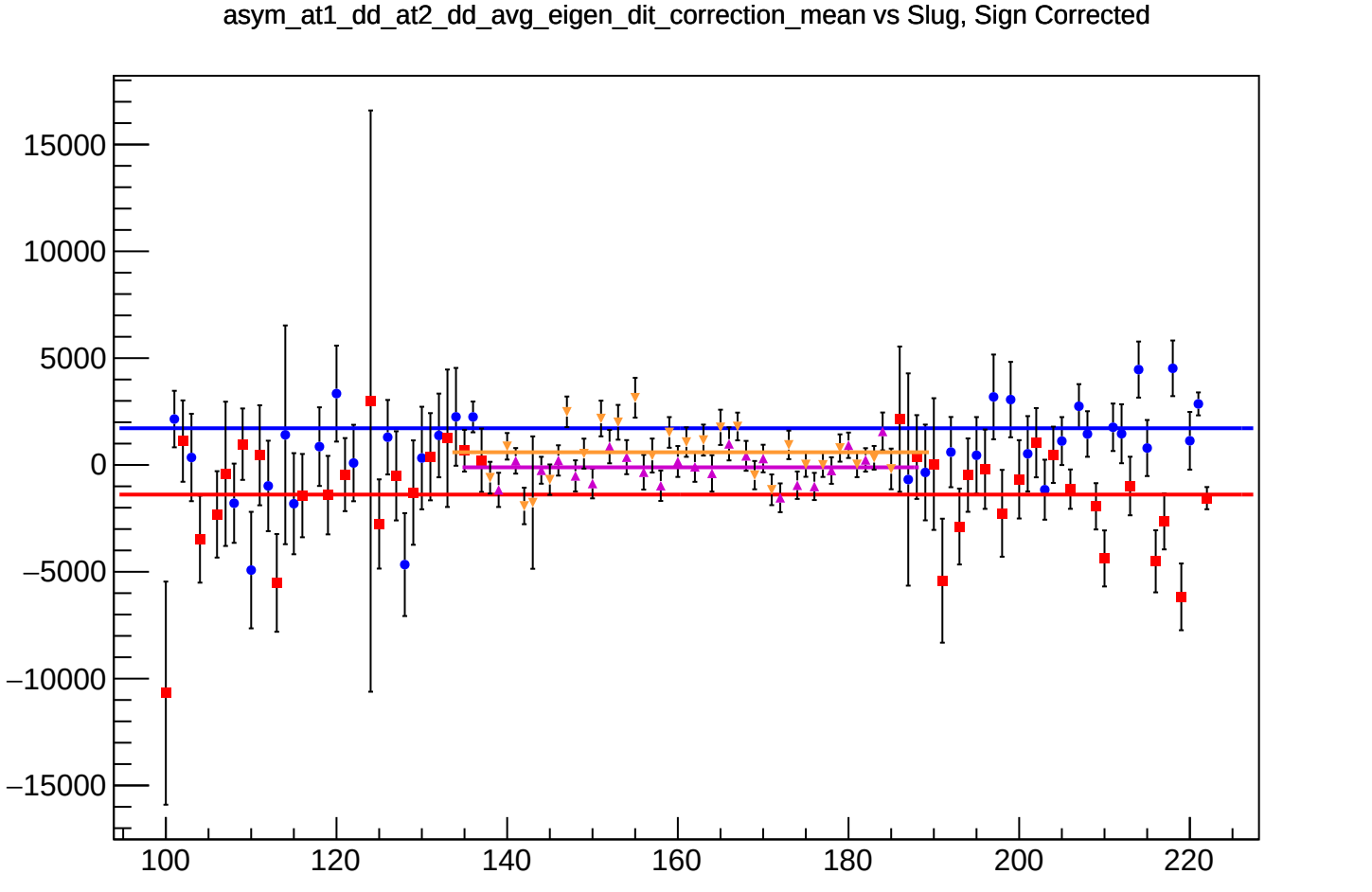
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1269.874+/-0.138 χ^2/NDF: 2403493.7/71

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1251.748+/-0.139 χ^2/NDF:2027152.0/62

All: 1254.723+/-0.099 χ^2/NDF: 2601234.6/11



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: -1385.653+/-247.583 χ^2/NDF: 50.8/37

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

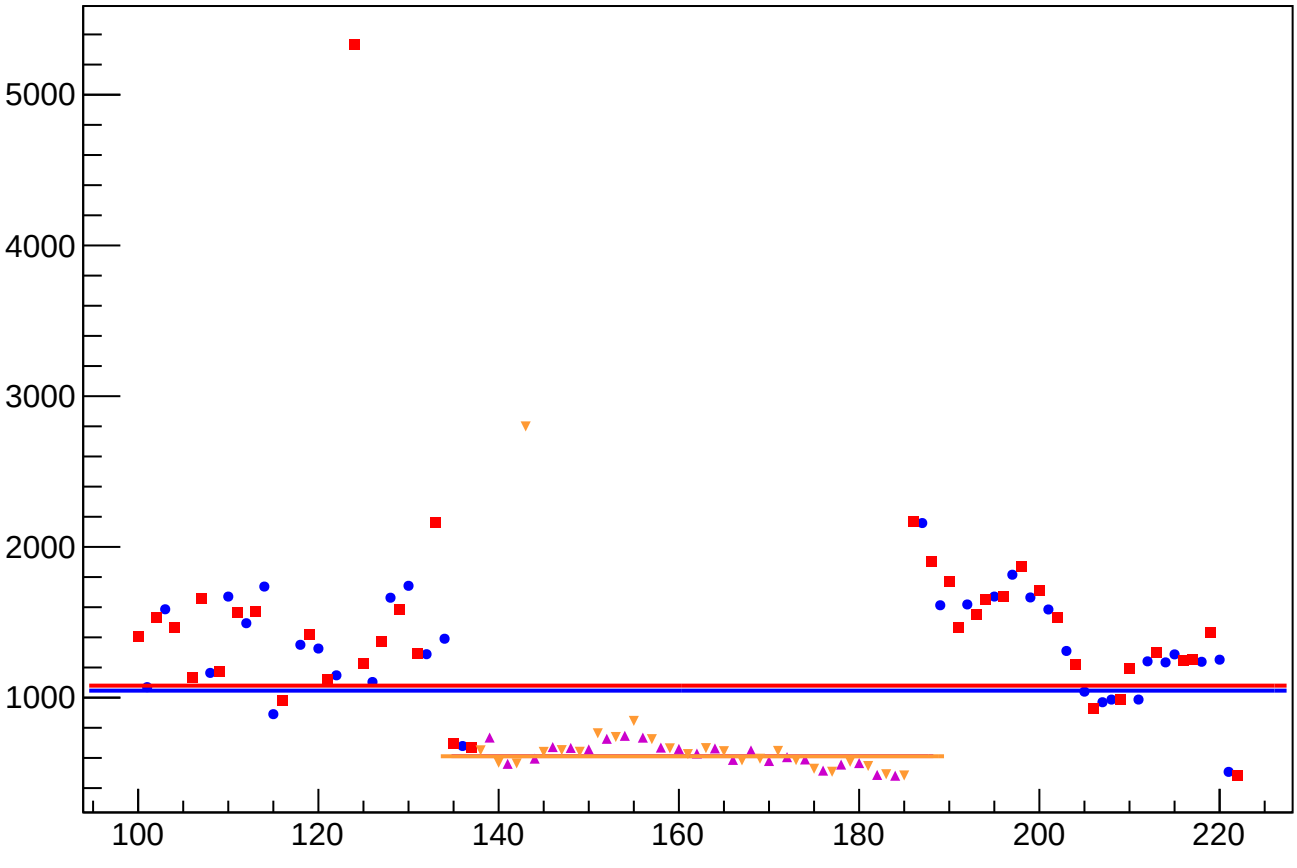
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 223.914+/-171.804 χ^2/NDF: 179.3/71

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 104.055+/-123.263 χ^2/NDF:156.3/62

All: 241.459+/-87.220 χ^2/NDF: 274.4/119



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: 1079.724+/-0.175 χ^2/NDF: 6443611.5/37

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

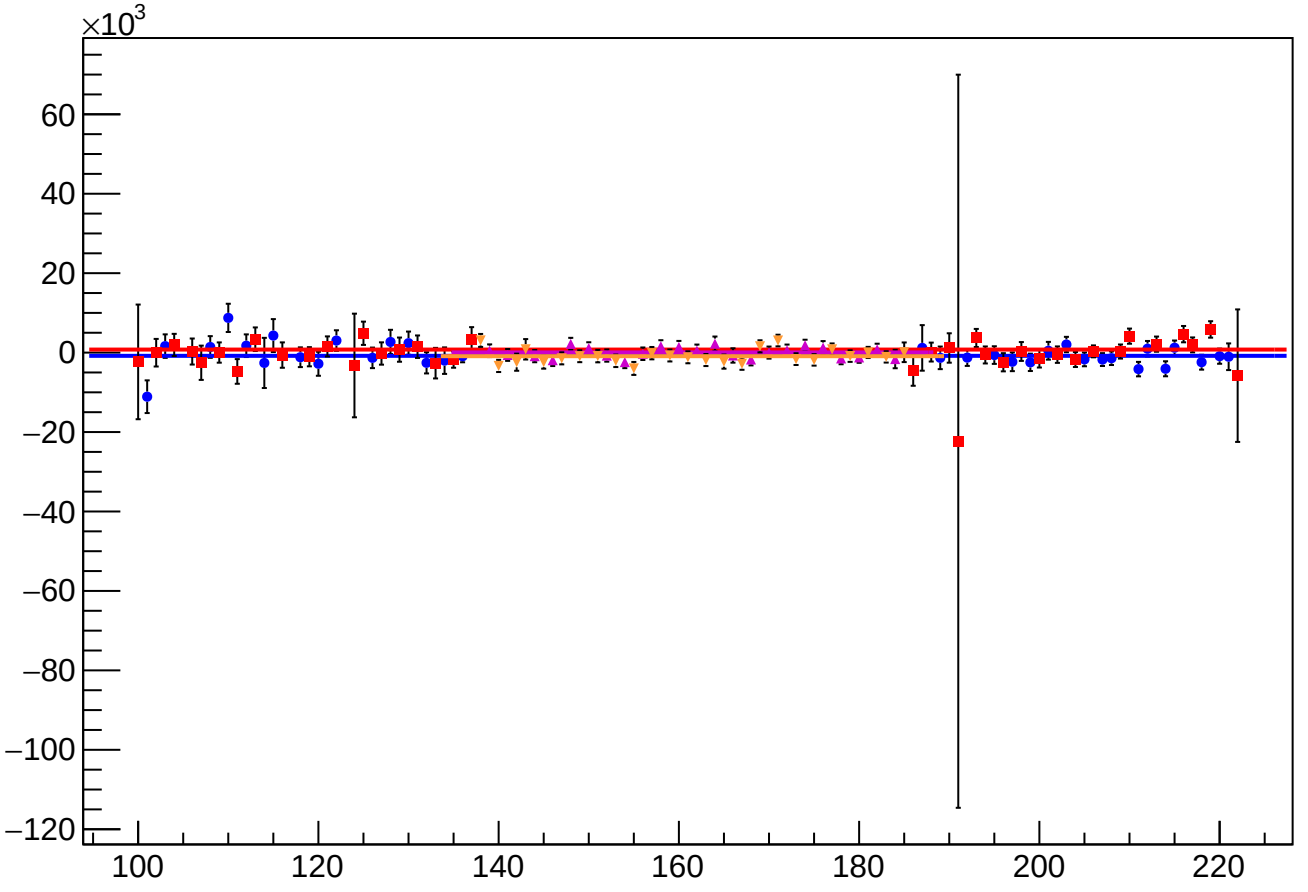
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1062.489+/-0.121 χ^2/NDF: 11627156.1/71

In: 728.567+/-0.087 χ^2/NDF:10521529.1/56

Out: 727.248+/-0.087 χ^2/NDF:13452512.2/62

All: 727.907+/-0.062 χ^2/NDF: 23974155.8/1



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: 767.203+/-410.970 χ^2/NDF: 34.0/37

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

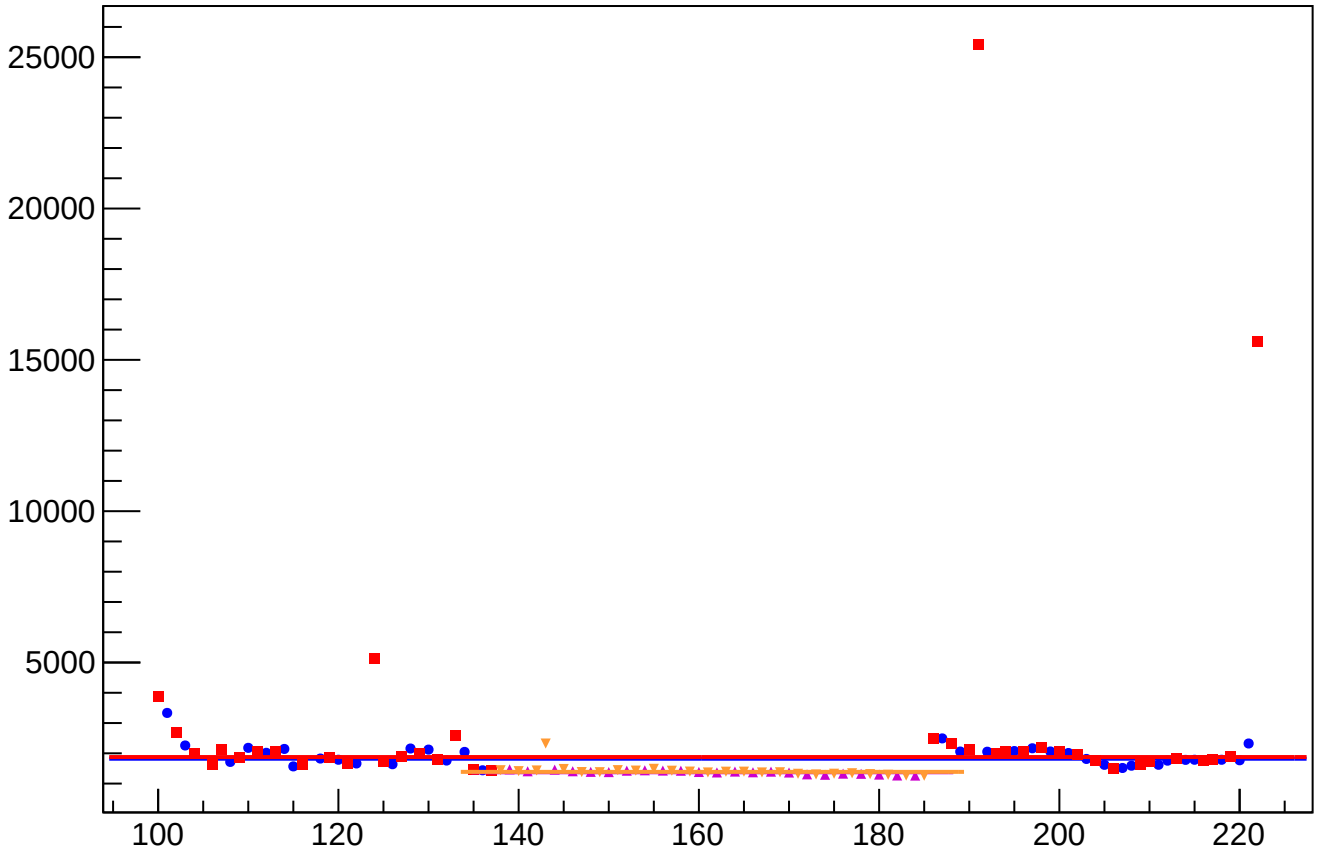
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -47.929+/-285.622 χ^2/NDF: 78.1/71

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -279.372+/-250.731 χ^2/NDF:74.1/62

All: -284.983+/-176.906 χ^2/NDF: 131.4/119



Right In: 1821.130+/-0.281 χ^2/NDF: 940749.0/33

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1876.416+/-0.291 χ^2/NDF: 2414617.7/37

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

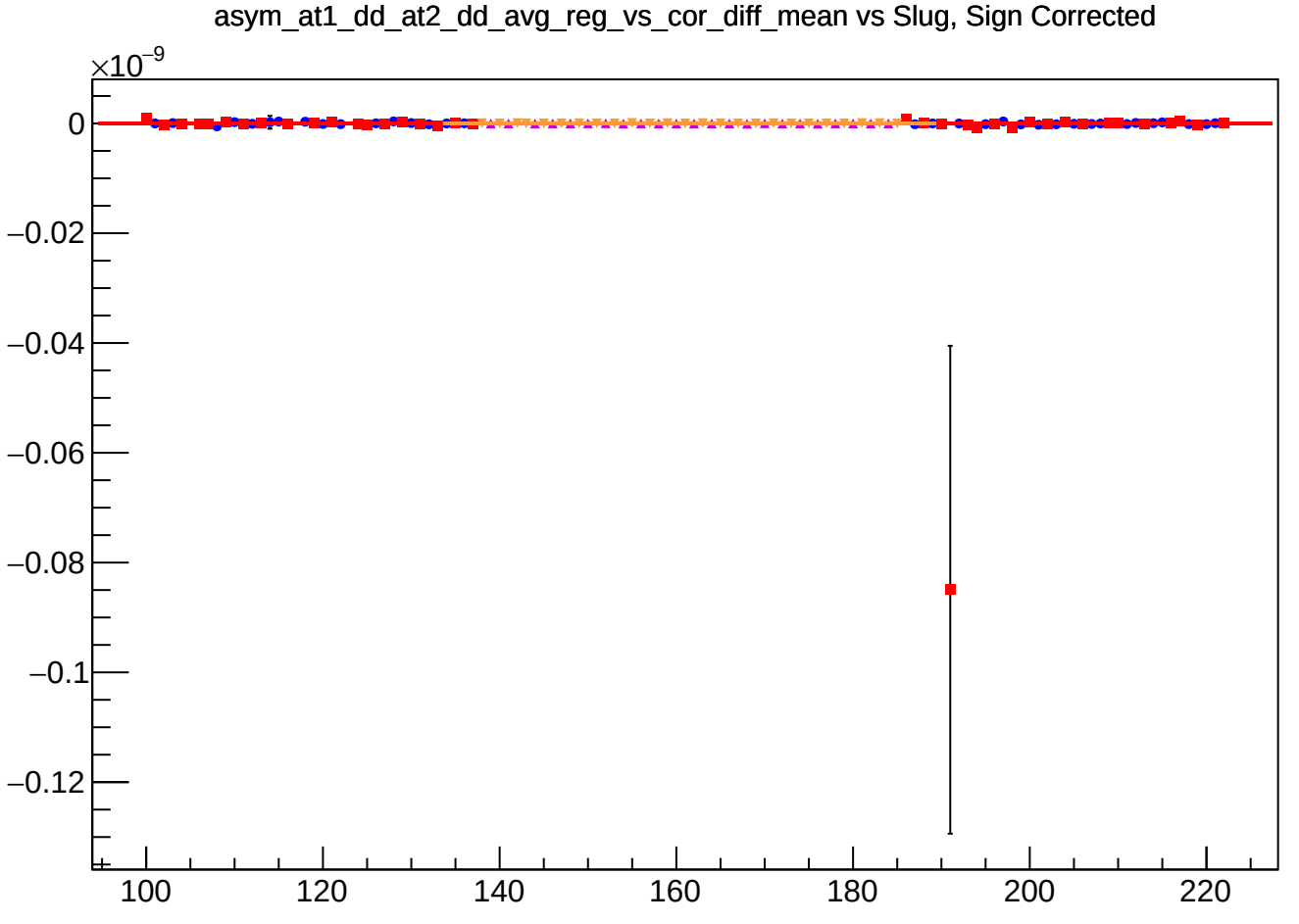
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1847.835+/-0.202 χ^2/NDF: 3374078.8/71

In: 1550.111+/-0.177 χ^2/NDF:2543799.4/56

Out: 1569.073+/-0.177 χ^2/NDF:4536192.7/62

All: 1559.550+/-0.125 χ^2/NDF: 7085736.4/11



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: 58.4/37

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

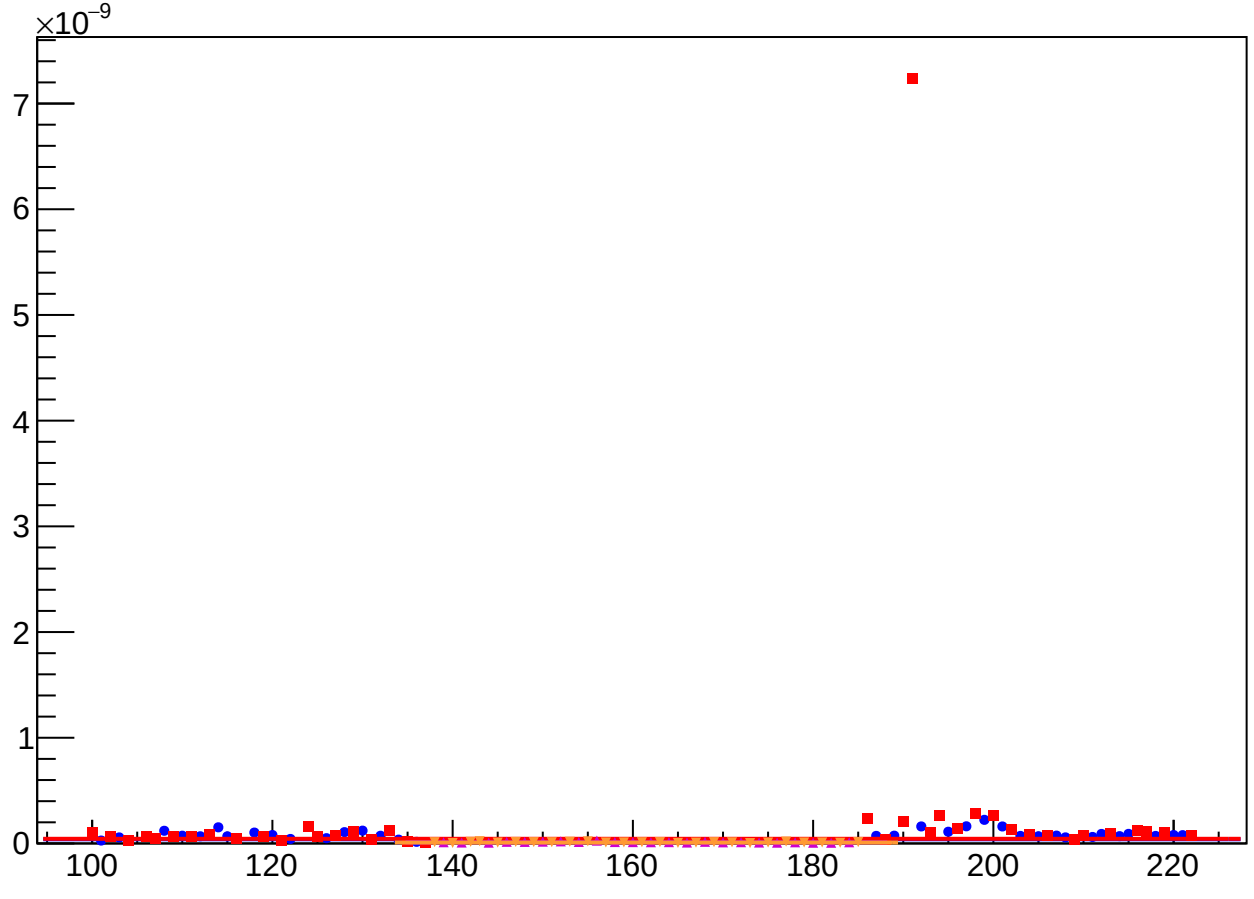
Right: -0.000+/-0.000 χ^2/NDF: 87.9/71

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:83.6/62

All: 0.000+/-0.000 χ^2/NDF: 126.4/119

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: 7983466.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

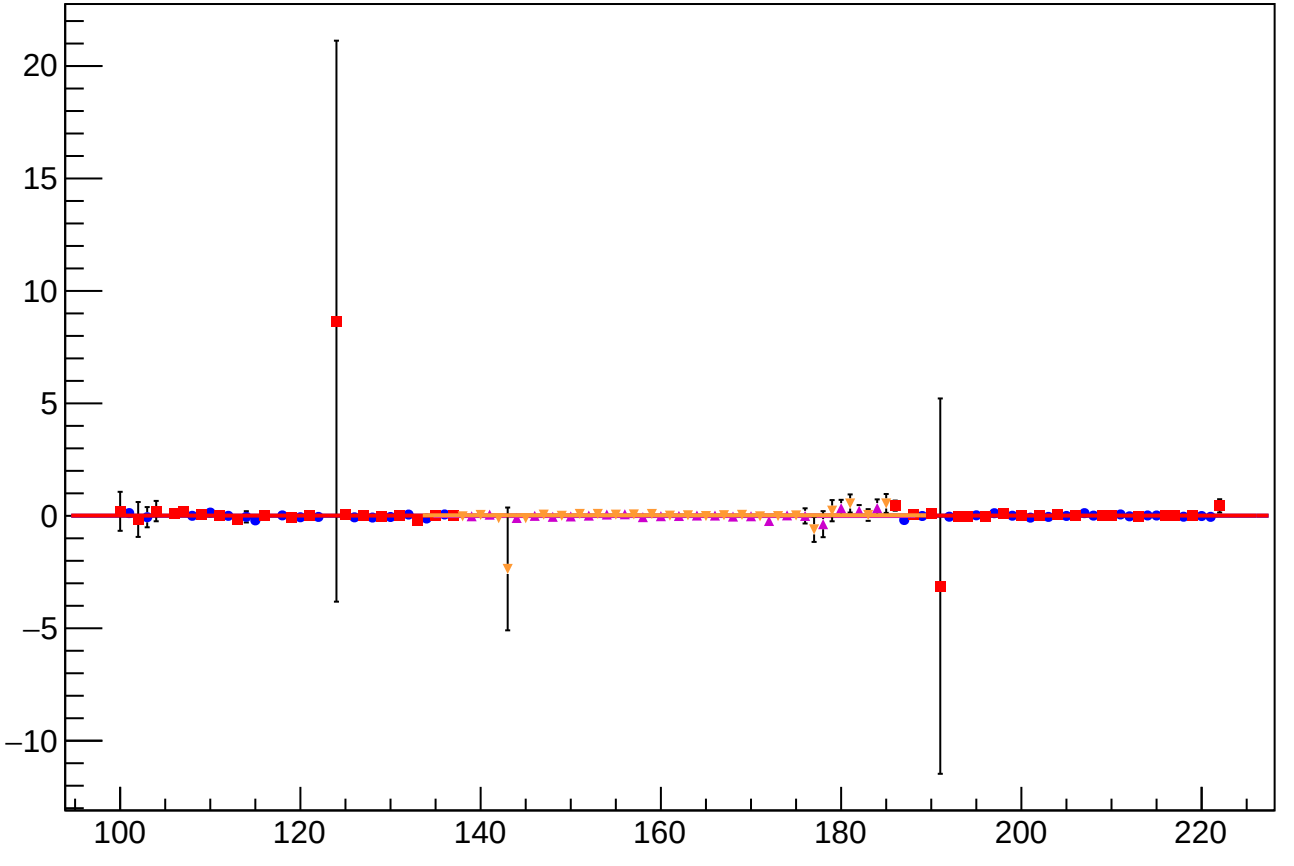
Right: 0.000+/-0.000 χ^2/NDF: 15543125.5/71

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:17136112.2/62

All: 0.000+/-0.000 χ^2/NDF: 32081385.5/119

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

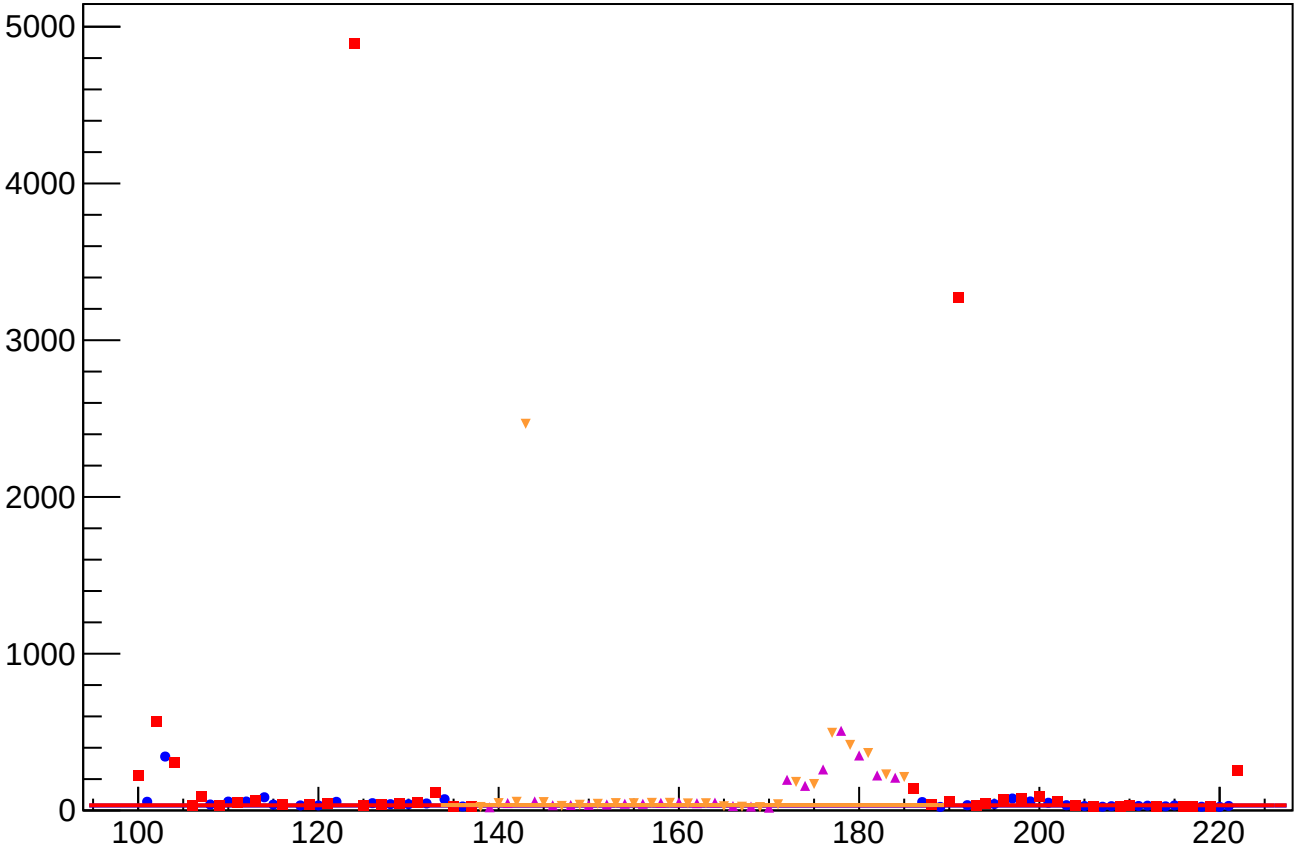
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002803.6/37

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

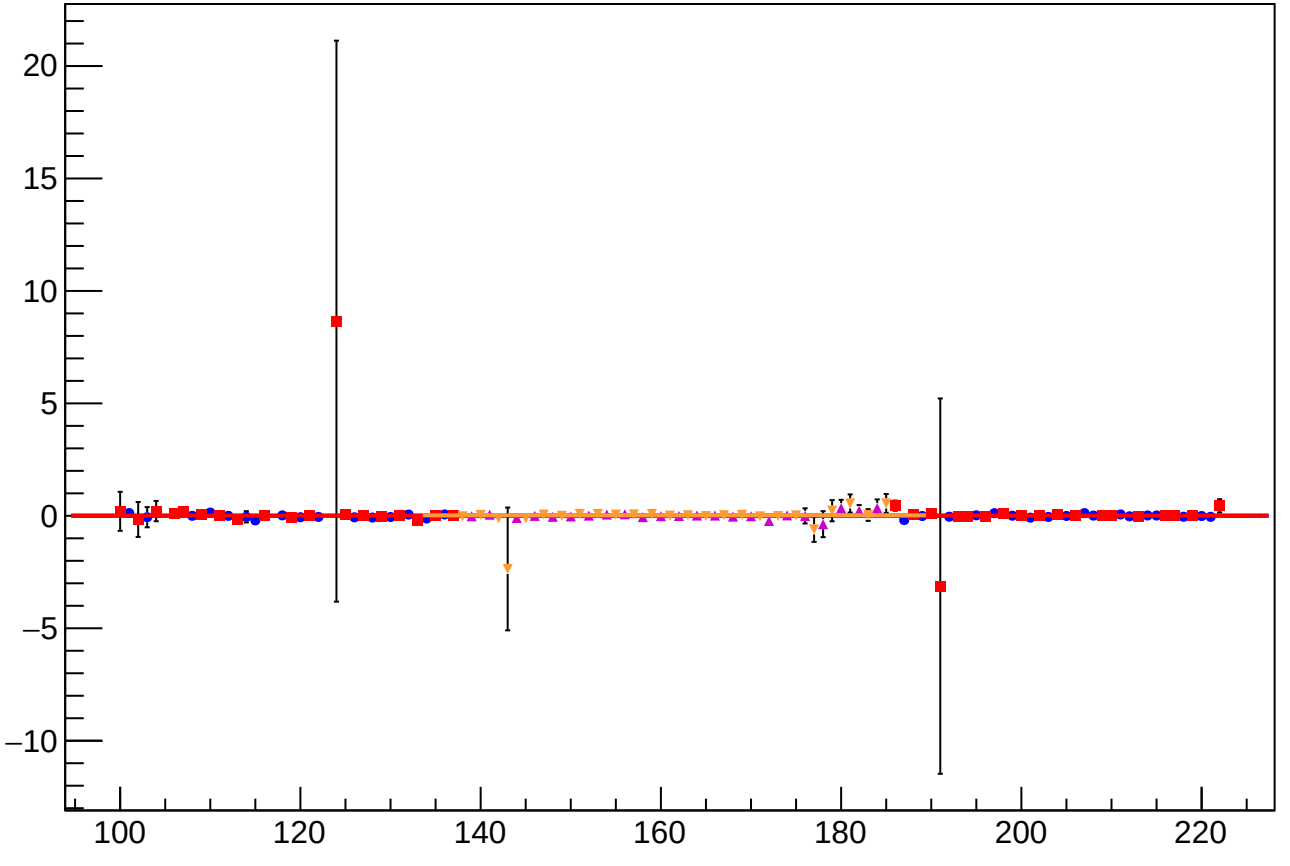
Right: 32.021+/-0.004 χ^2/NDF: 12235371.4/71

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.680+/-0.005 χ^2/NDF:19434078.3/62

All: 32.832+/-0.003 χ^2/NDF: 33818985.3/119

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

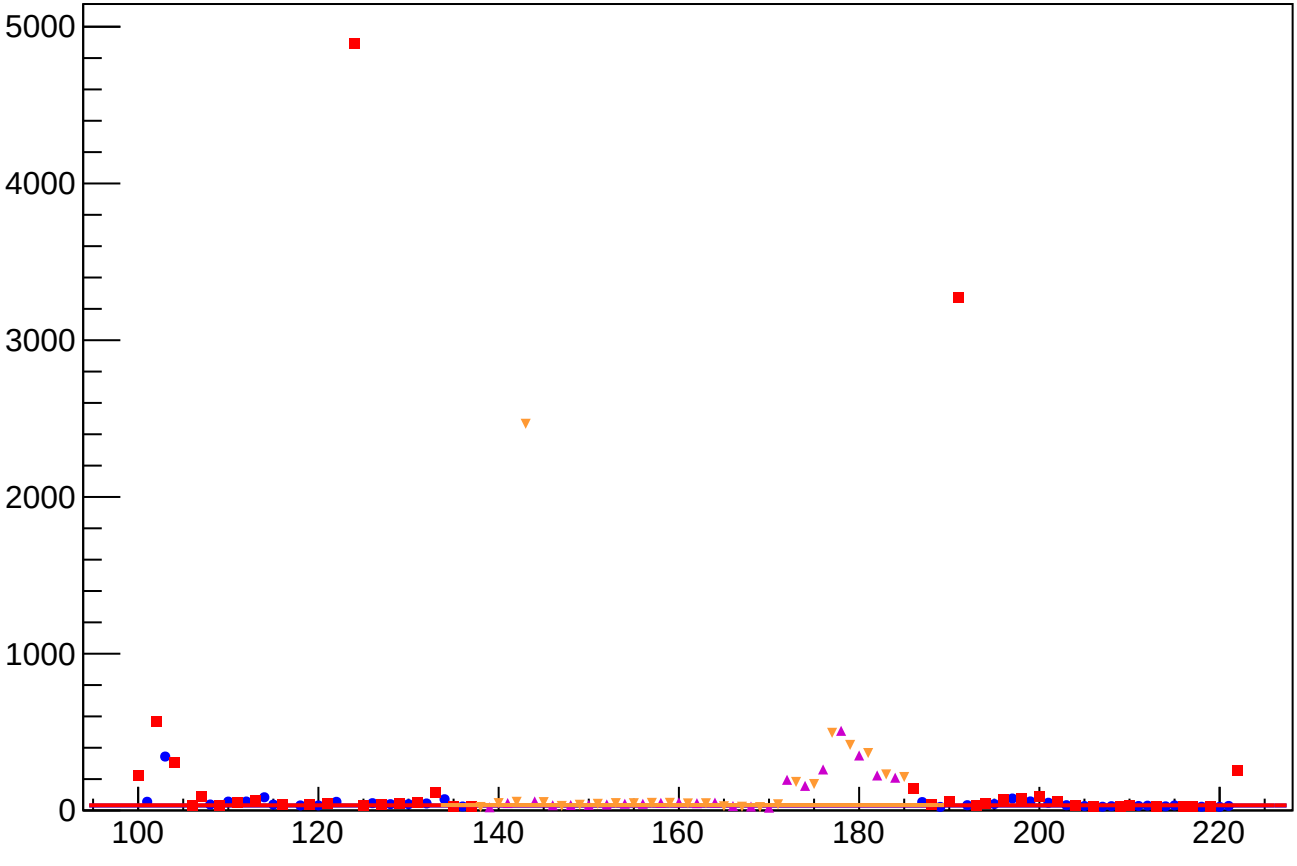
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002803.6/37

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

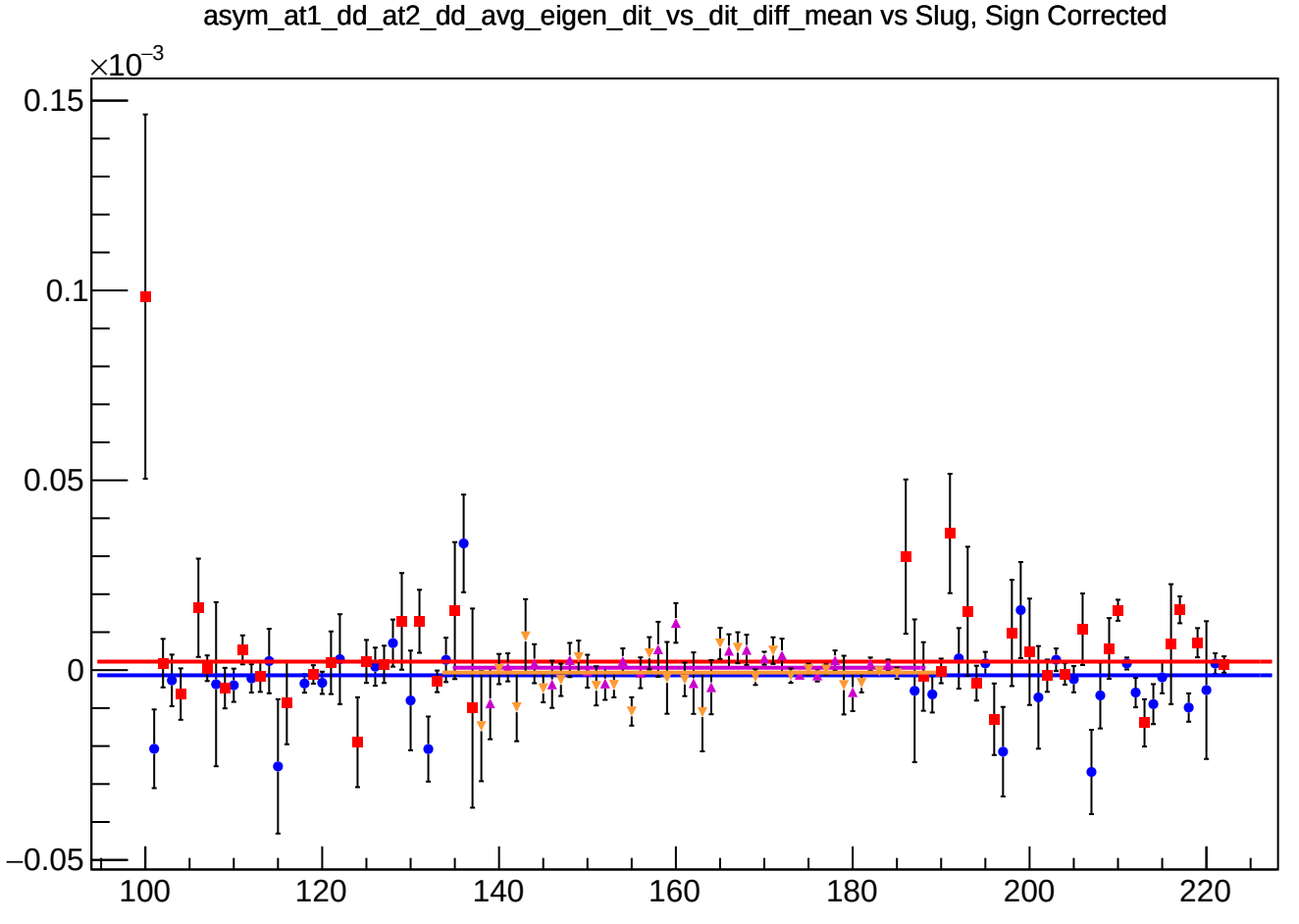
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.021+/-0.004 χ^2/NDF: 12235371.4/71

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.680+/-0.005 χ^2/NDF:19434078.3/62

All: 32.832+/-0.003 χ^2/NDF: 33818985.3/119



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: 85.7/37

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

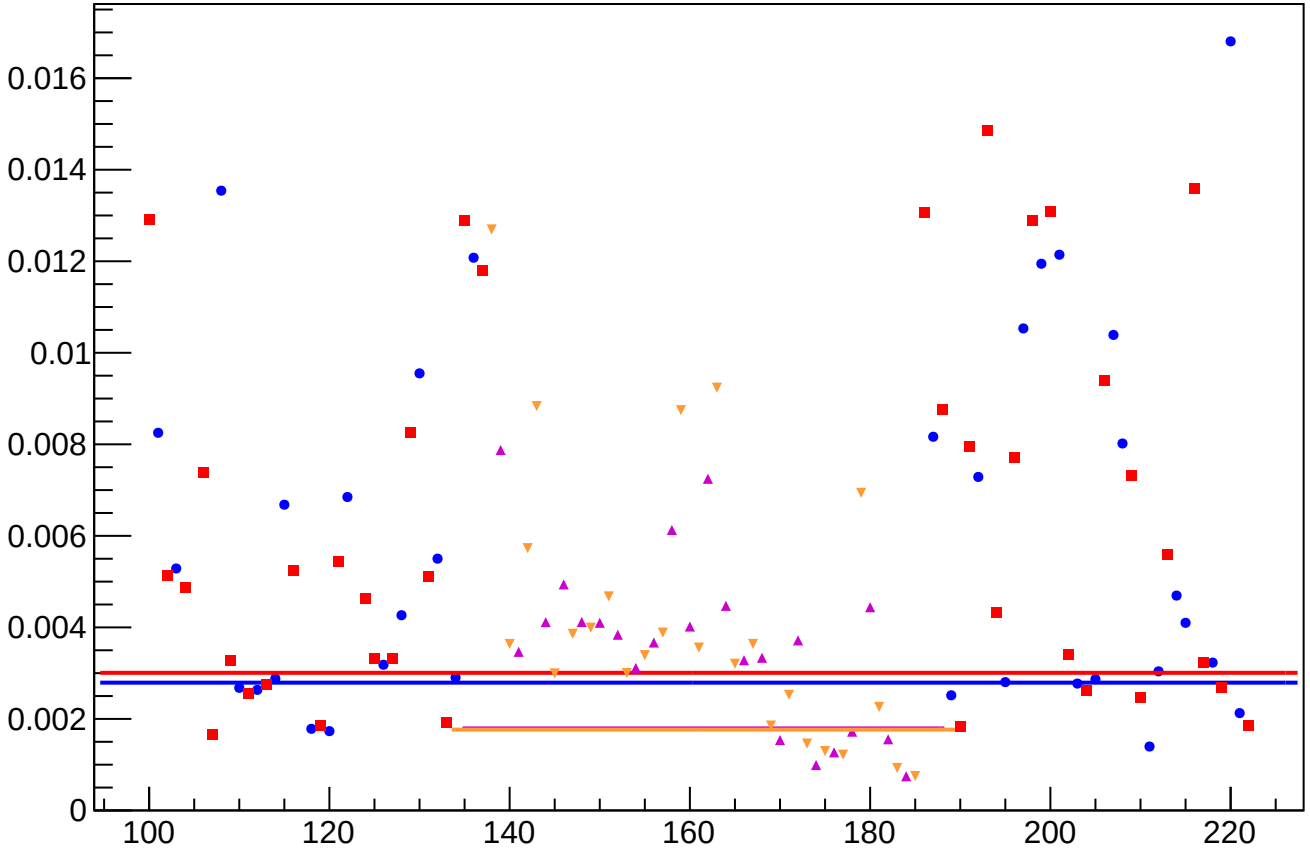
Right: 0.000+/-0.000 χ^2/NDF: 148.3/71

In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.6/62

All: 0.000+/-0.000 χ^2/NDF: 201.9/119

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: 12274895.8/37

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

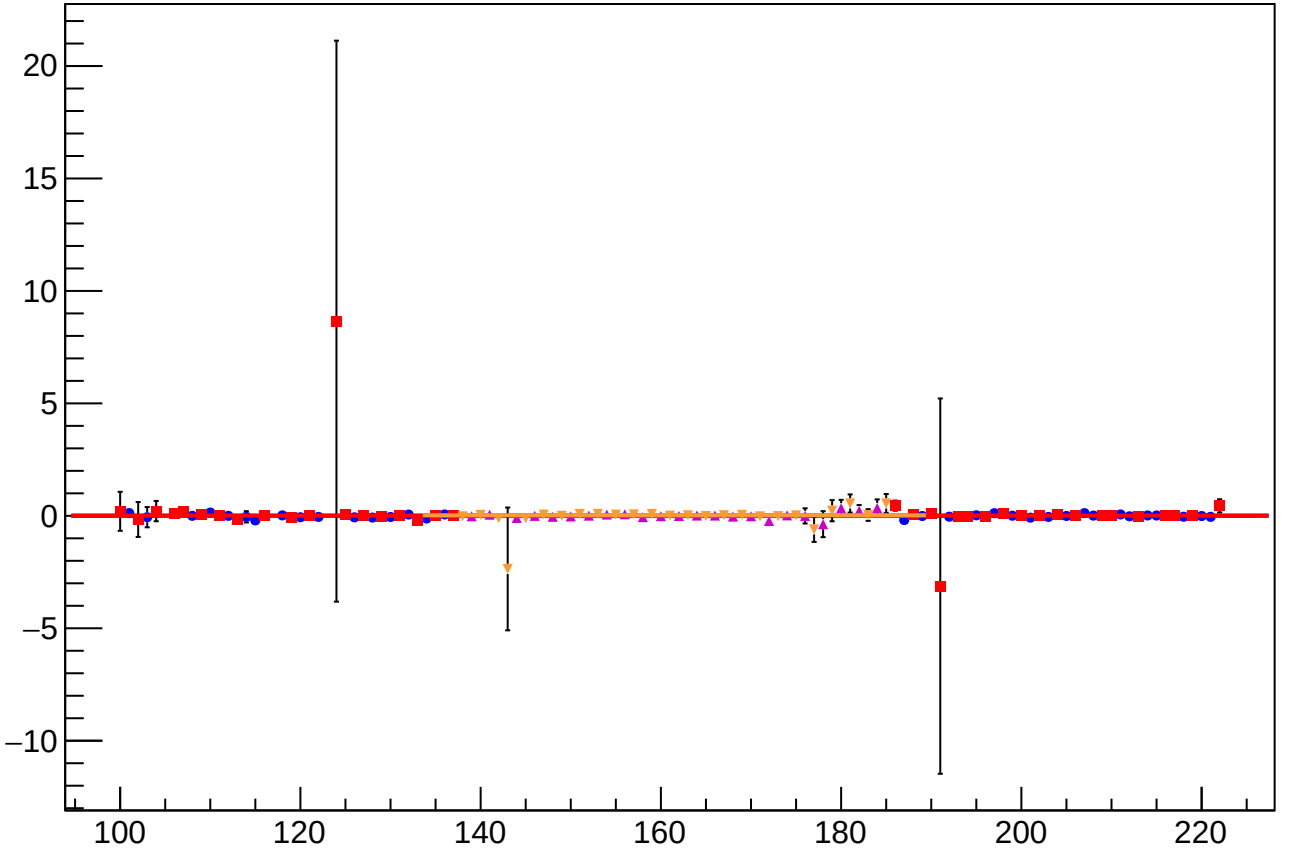
Right: 0.003+/-0.000 χ^2/NDF: 25220814.7/71

In: 0.002+/-0.000 χ^2/NDF:25947141.6/56

Out: 0.002+/-0.000 χ^2/NDF:28732741.3/62

All: 0.002+/-0.000 χ^2/NDF: 54679930.5/119

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

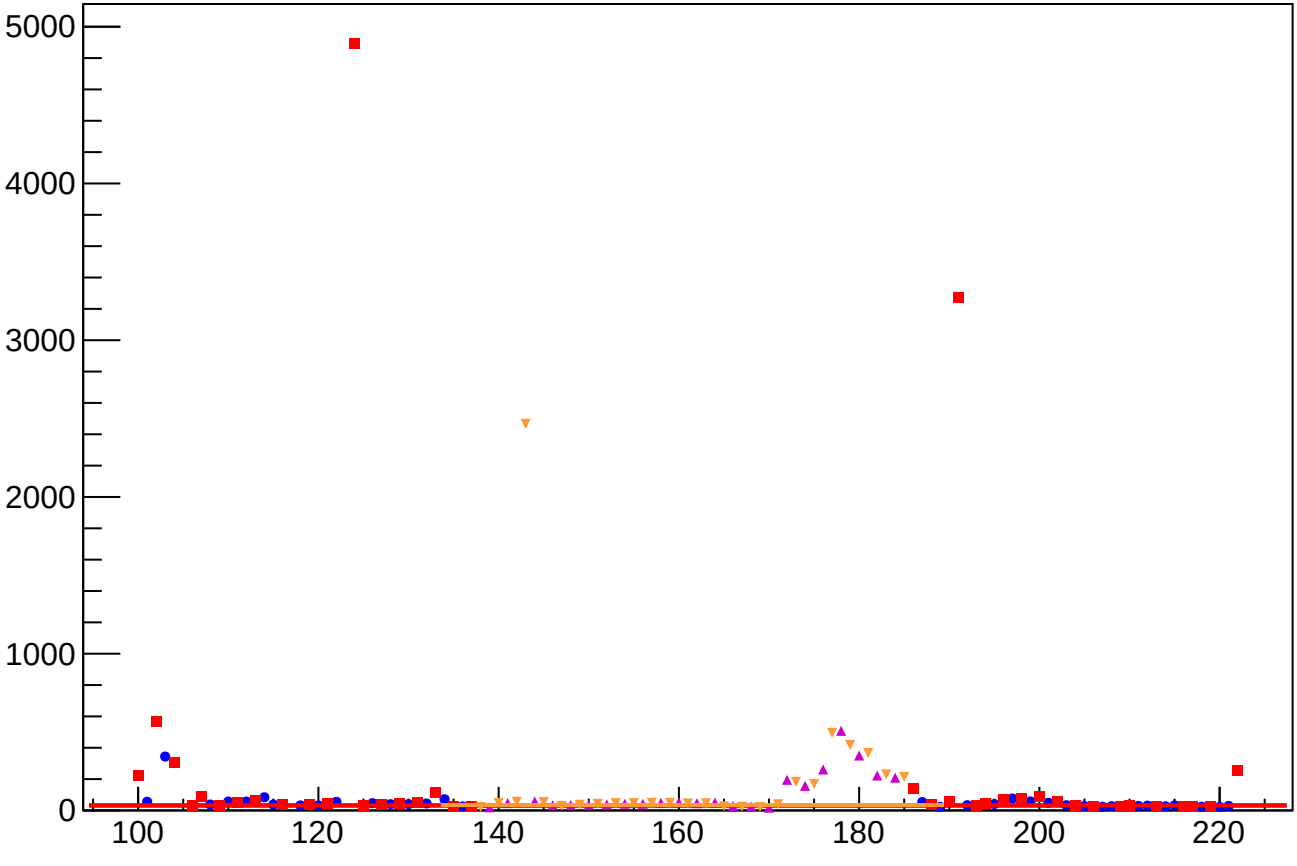
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002737.5/37

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

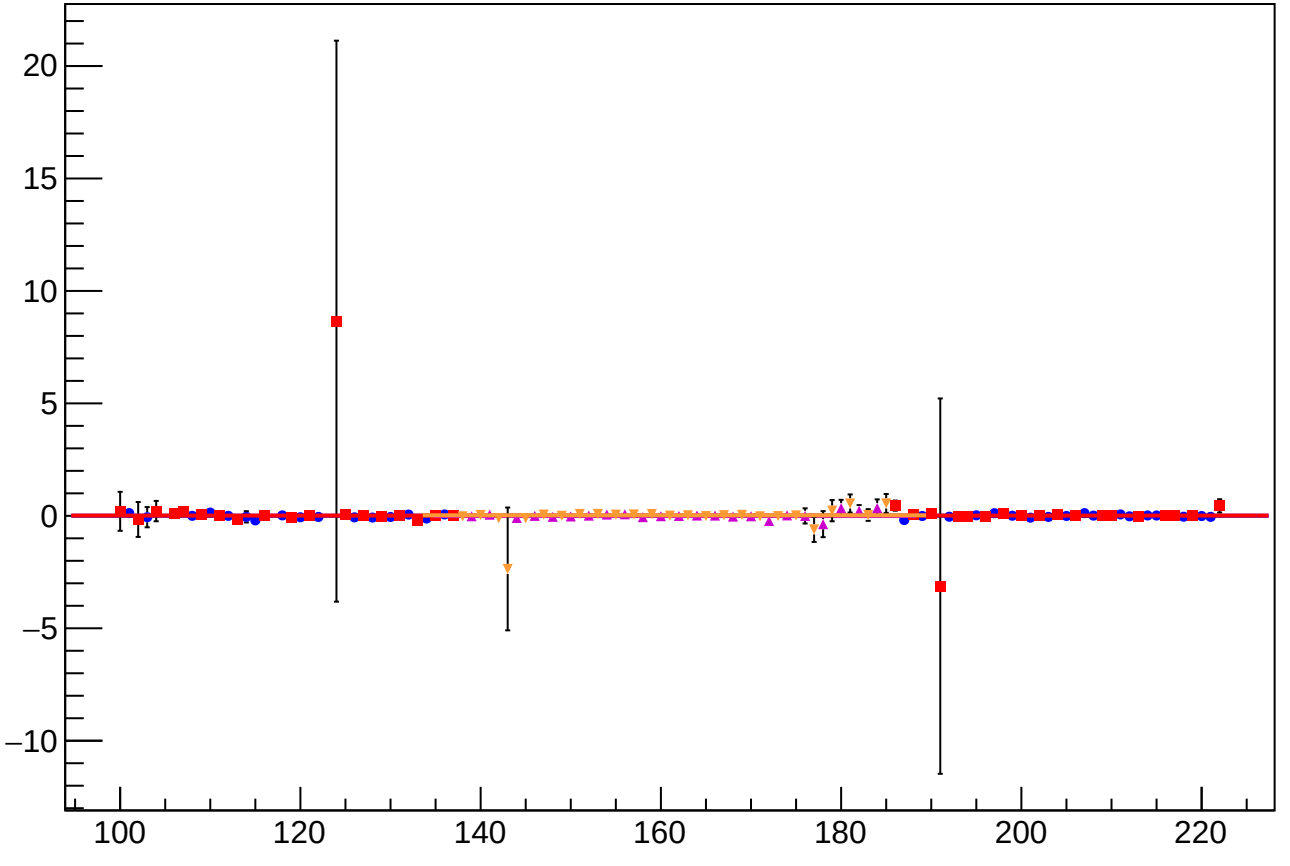
Right: 32.023+/-0.004 χ^2/NDF: 12234032.7/71

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.680+/-0.005 χ^2/NDF:19434081.9/62

All: 32.834+/-0.003 χ^2/NDF: 33816347.9/119

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 26.6/37

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

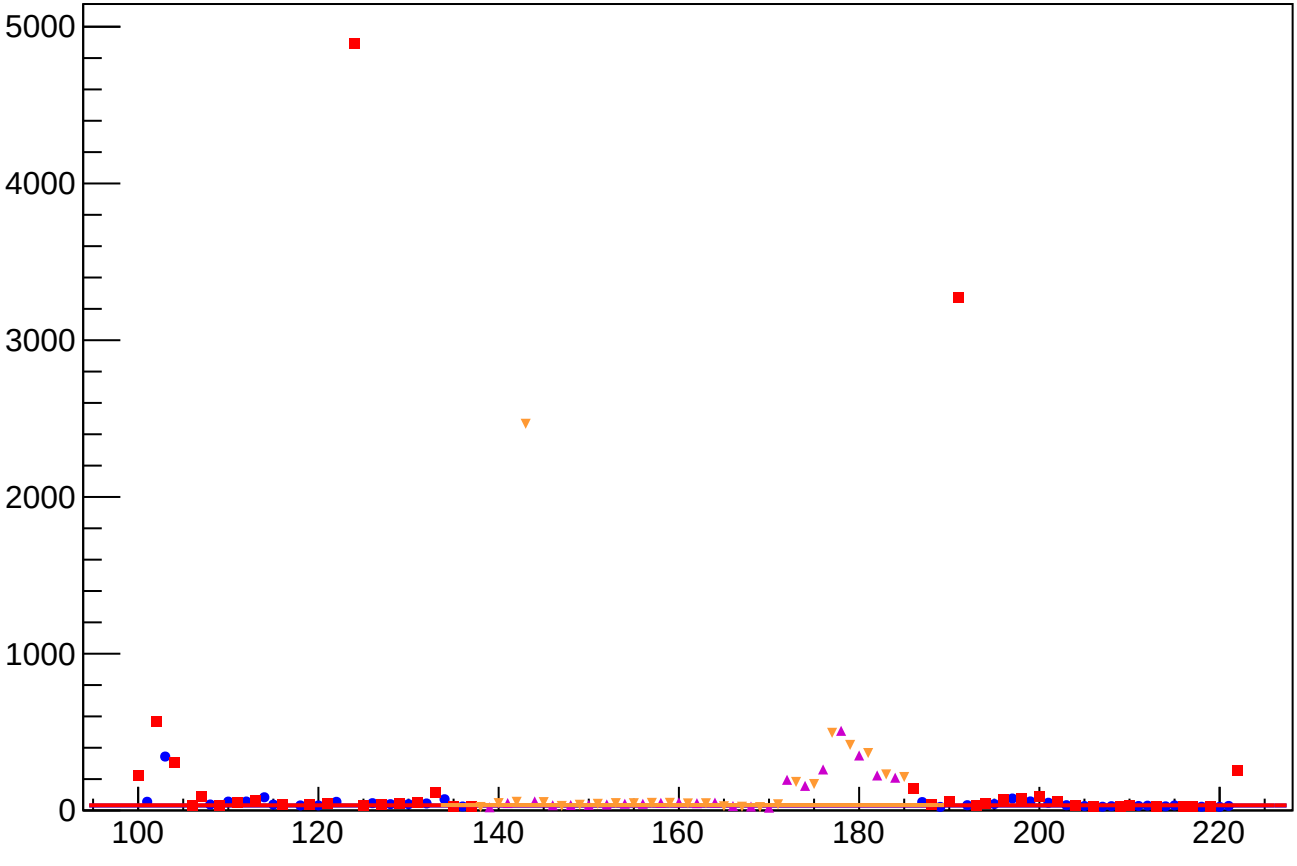
Right: 0.007+/-0.006 χ^2/NDF: 76.6/71

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.3/62

All: 0.007+/-0.004 χ^2/NDF: 119.7/119

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.033+/-0.006 χ^2/NDF: 8002737.5/37

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

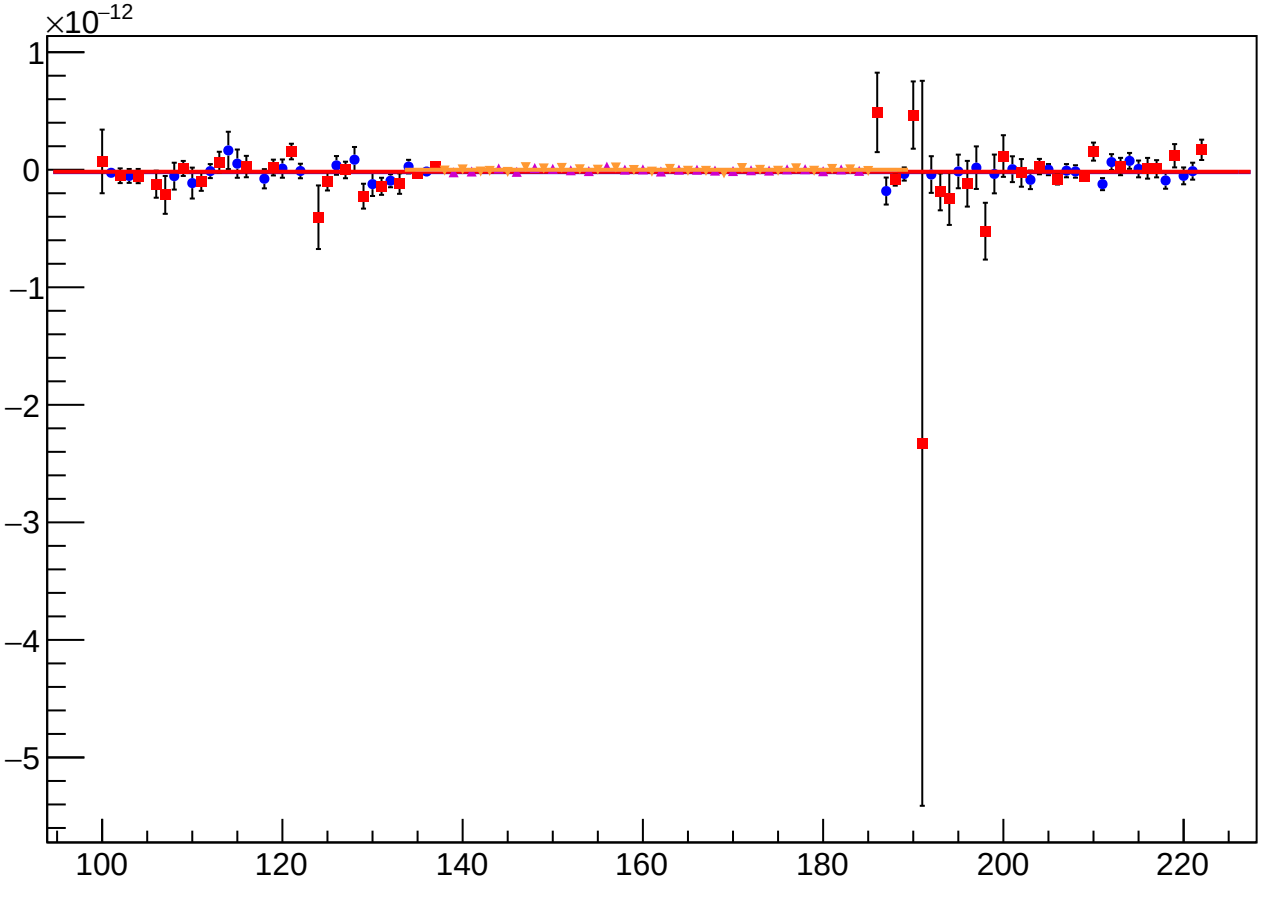
Right: 32.023+/-0.004 χ^2/NDF: 12234032.7/71

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.680+/-0.005 χ^2/NDF:19434081.9/62

All: 32.834+/-0.003 χ^2/NDF: 33816347.9/119

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.6/37

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

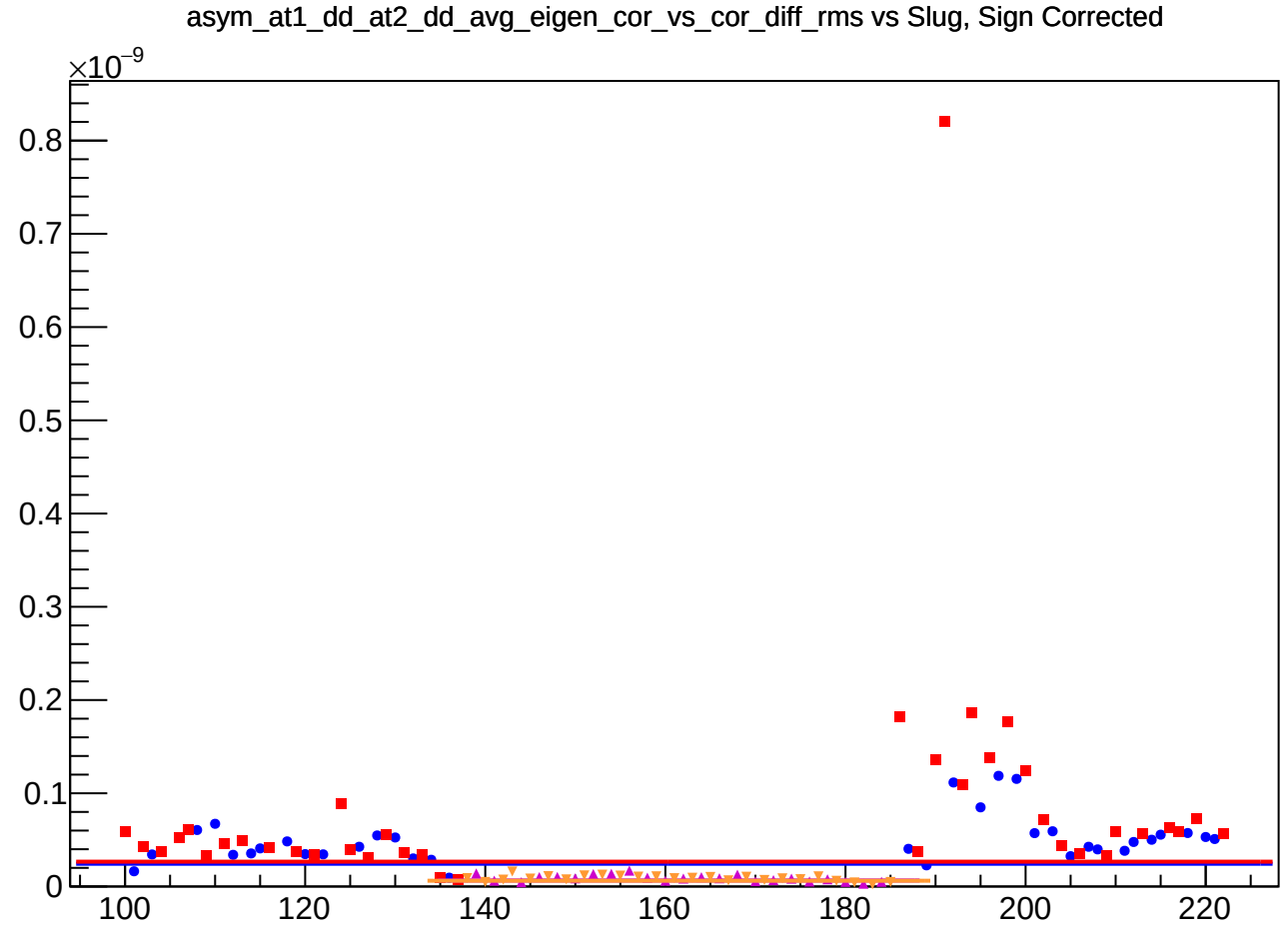
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

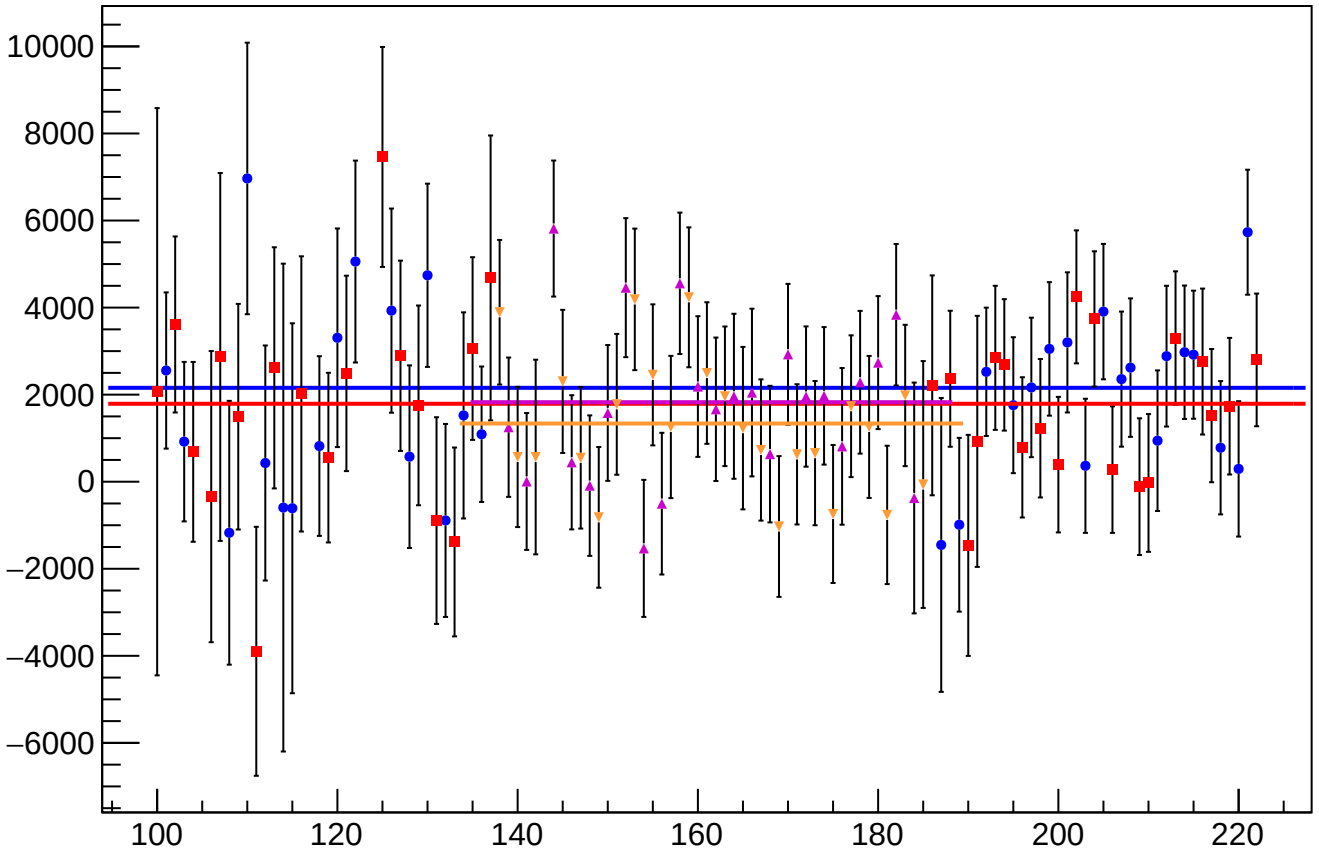
Right: -0.000+/-0.000 χ^2/NDF: 78.0/71

In: -0.000+/-0.000 χ^2/NDF:44.7/56

Out: -0.000+/-0.000 χ^2/NDF:86.6/62

All: -0.000+/-0.000 χ^2/NDF: 131.9/119


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9608803.7/33
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 11954598.7/37
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 21624333.7/71
In: 0.000+/-0.000 χ²/NDF:21914249.1/56
Out: 0.000+/-0.000 χ²/NDF:25855578.7/62
All: 0.000+/-0.000 χ²/NDF: 47818211.6/119



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: 1790.381+/-318.112 χ^2/NDF: 29.8/36

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

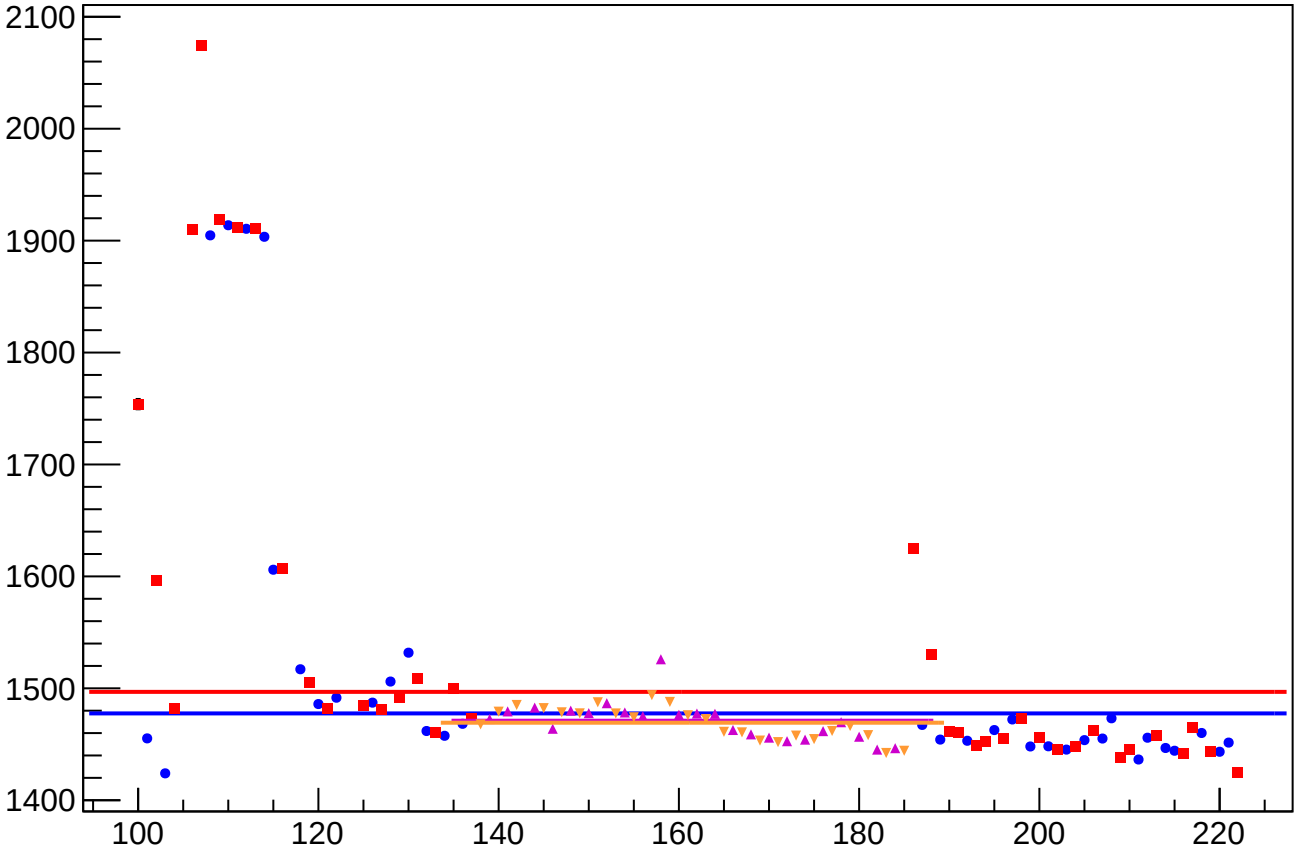
Right: 1975.453+/-223.778 χ^2/NDF: 59.9/70

In: 2006.007+/-232.097 χ^2/NDF:56.4/56

Out: 1579.427+/-232.614 χ^2/NDF:49.9/60

All: 1793.192+/-164.300 χ^2/NDF: 108.0/117

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: 1496.826+/-0.225 χ^2/NDF: 253943.7/36

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

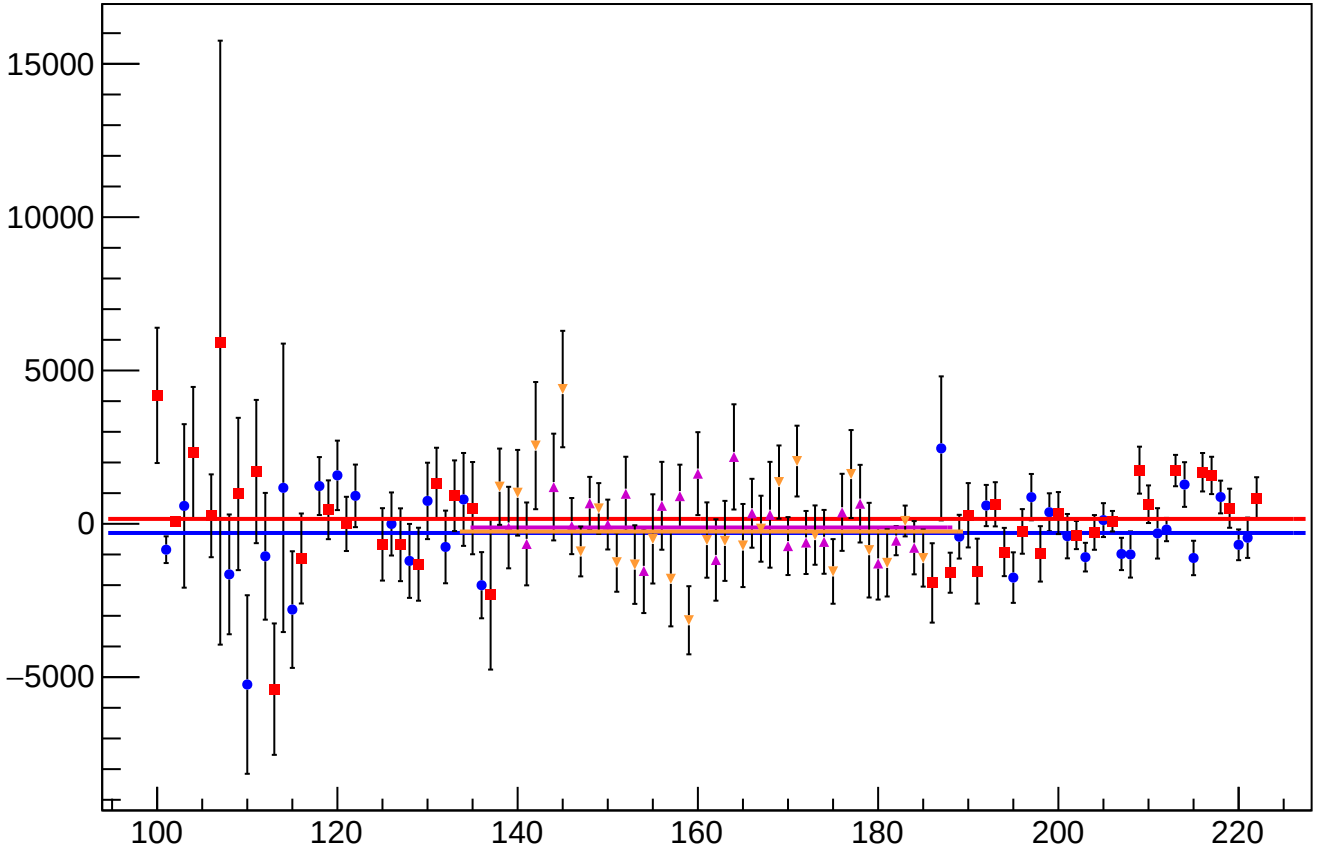
Right: 1487.103+/-0.158 χ^2/NDF: 415833.5/70

In: 1474.599+/-0.164 χ^2/NDF:163225.8/56

Out: 1484.003+/-0.164 χ^2/NDF:264083.5/60

All: 1479.290+/-0.116 χ^2/NDF: 428947.0/117

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



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: 159.987+/-95.475 χ^2/NDF: 64.1/36

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

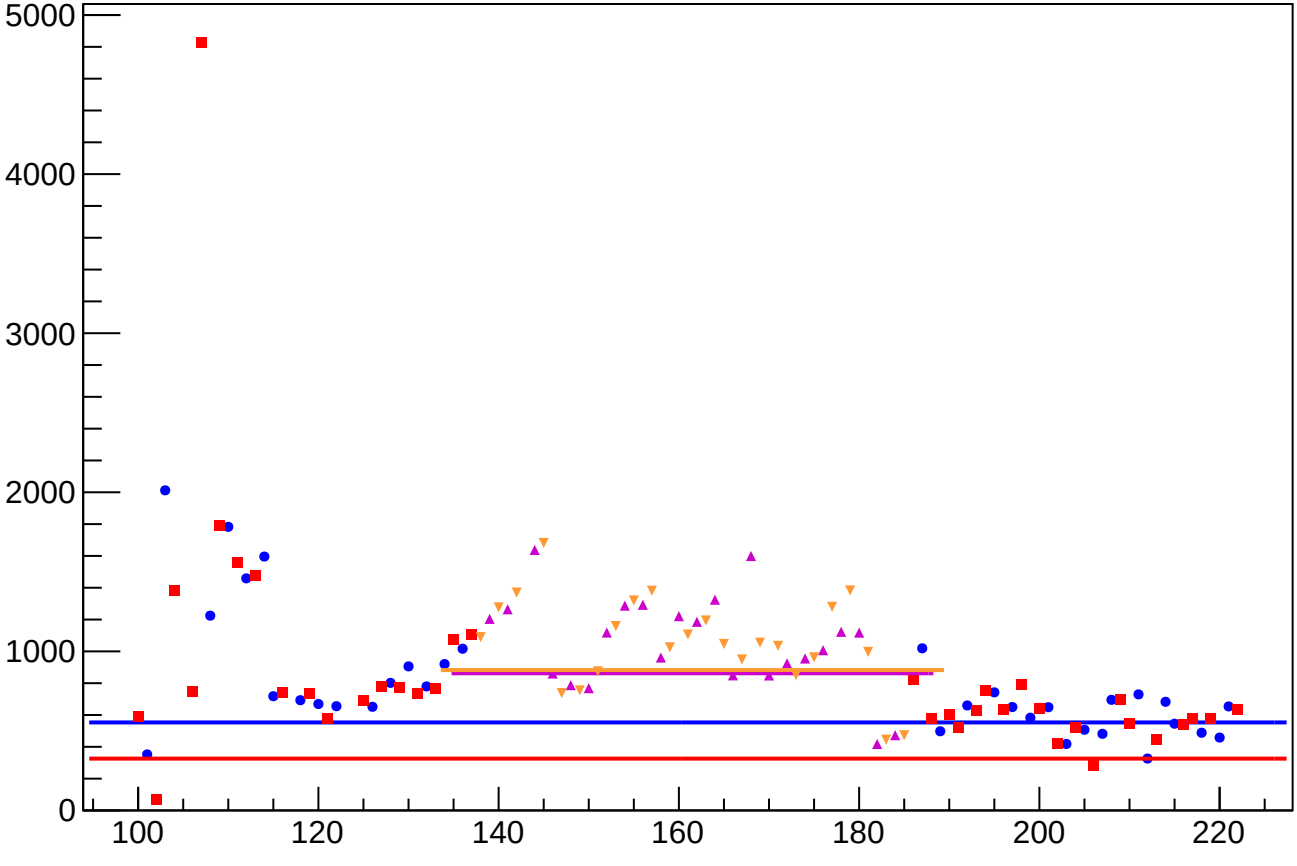
Right: -5.814+/-76.288 χ^2/NDF: 119.0/70

In: -252.732+/-109.395 χ^2/NDF:59.9/56

Out: 93.934+/-87.479 χ^2/NDF:99.8/60

All: -41.281+/-68.321 χ^2/NDF: 165.8/117

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: 325.860+/-0.068 χ^2/NDF: 18119606.3/36

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

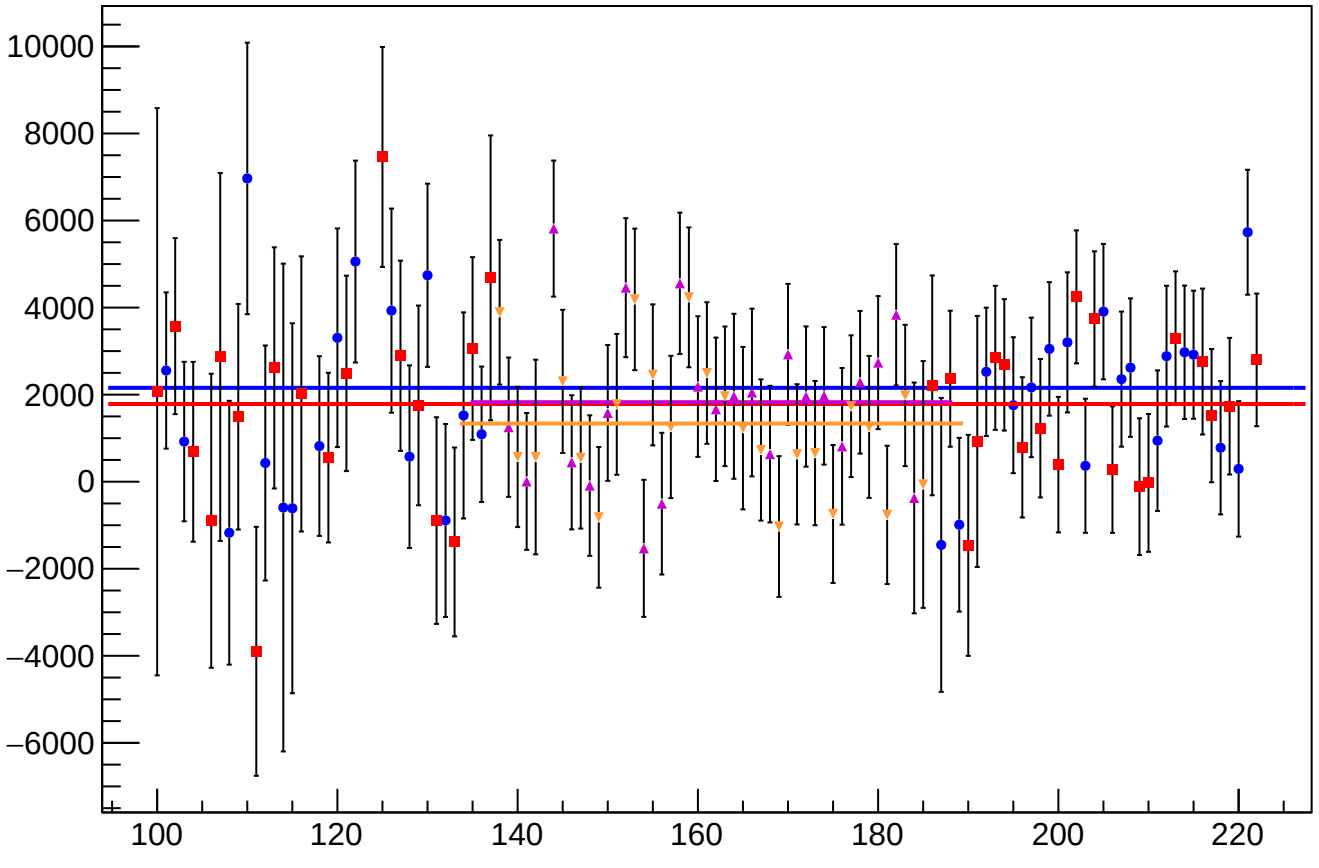
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 408.084+/-0.054 χ^2/NDF: 26873322.0/70

In: 632.566+/-0.077 χ^2/NDF:12064000.9/56

Out: 415.178+/-0.062 χ^2/NDF:32928191.9/60

All: 499.969+/-0.048 χ^2/NDF: 49809501.5/11



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: 1784.875+/-318.140 χ^2/NDF: 30.0/36

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

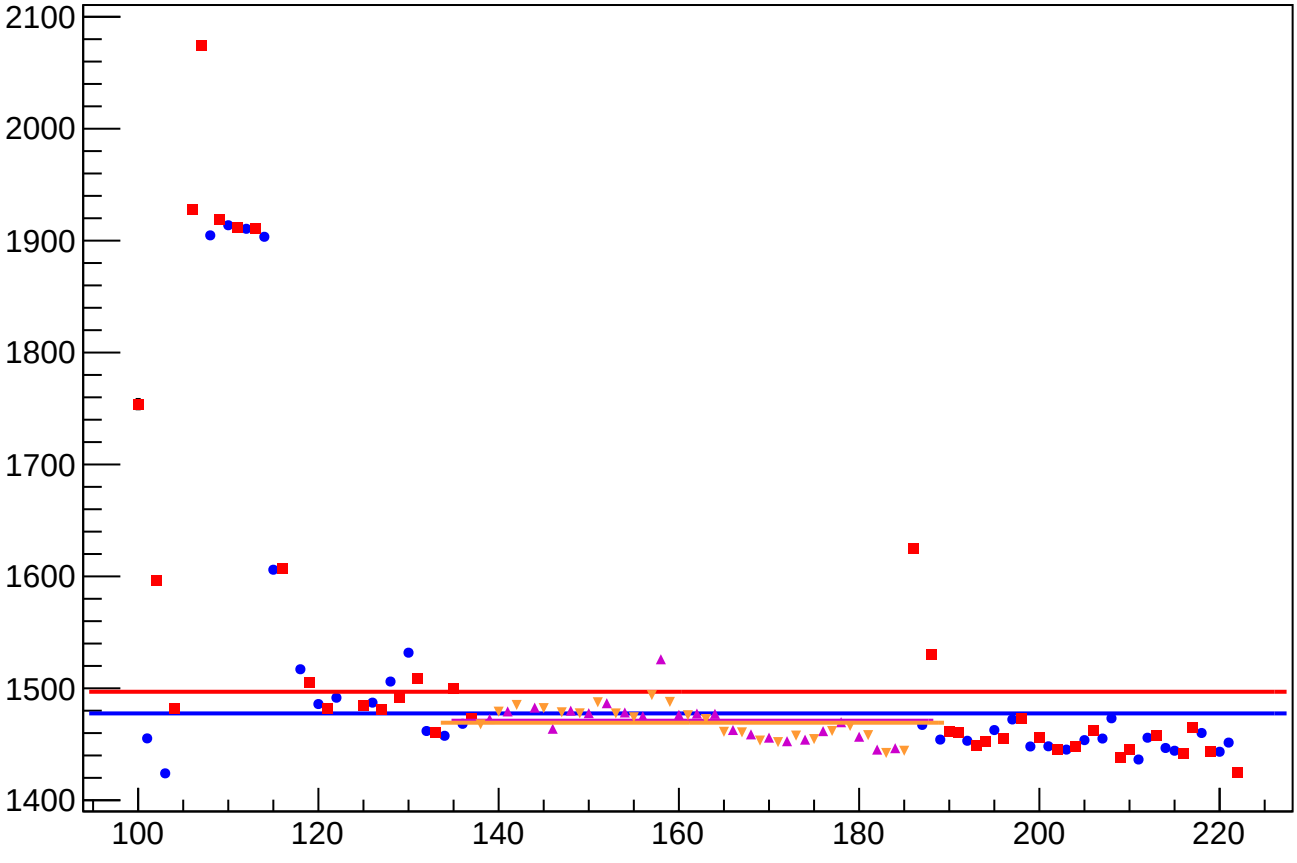
Right: 1972.773+/-223.788 χ^2/NDF: 60.1/70

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1576.468+/-232.625 χ^2/NDF:50.1/60

All: 1791.751+/-164.304 χ^2/NDF: 108.2/117

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: 1496.922+/-0.225 χ^2/NDF: 256095.2/36

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

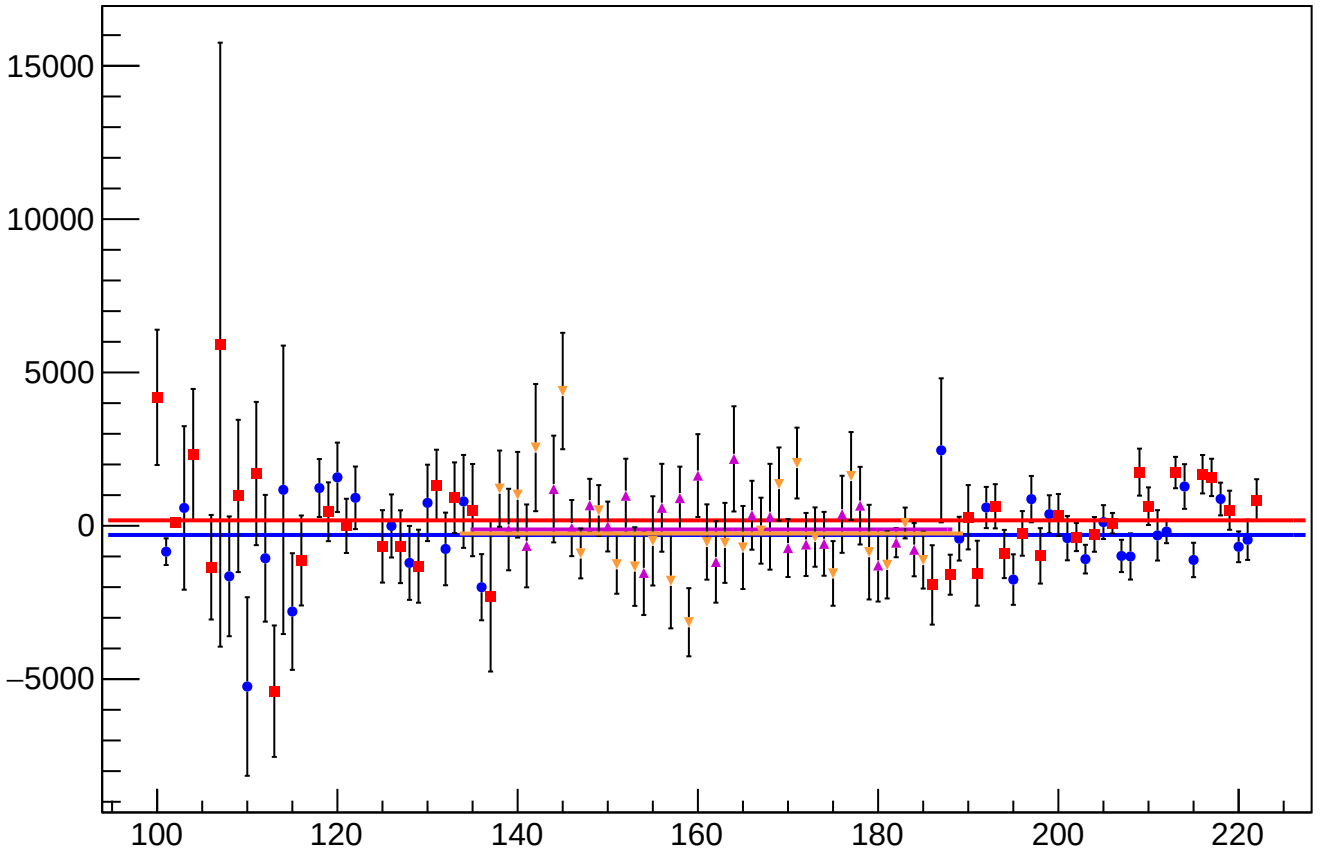
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1487.149+/-0.158 χ^2/NDF: 418021.6/70

In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1484.053+/-0.164 χ^2/NDF:266283.1/60

All: 1479.315+/-0.116 χ^2/NDF: 431163.9/117



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: 177.546+/-99.609 χ^2/NDF: 64.5/36

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

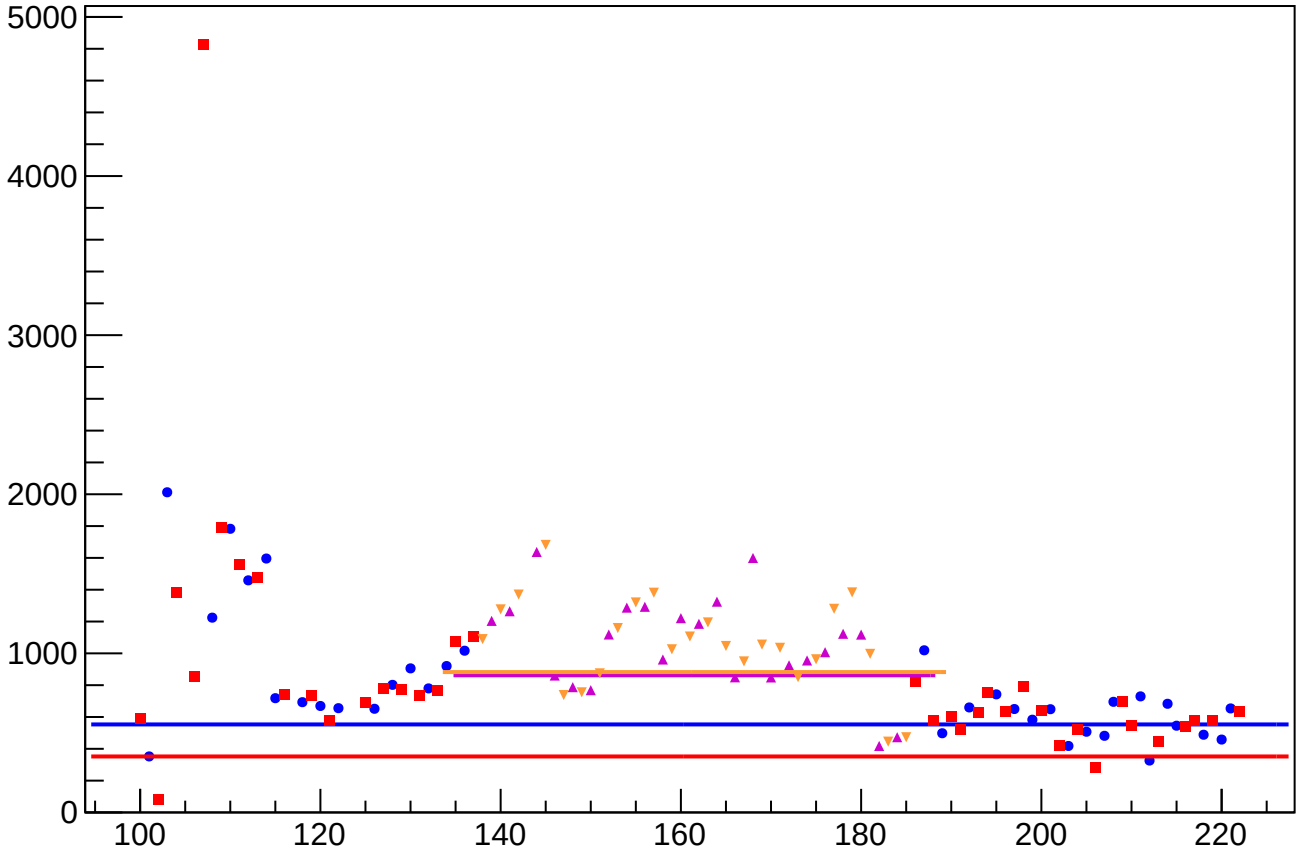
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -4.044+/-78.347 χ^2/NDF: 119.8/70

In: -252.768+/-109.394 χ^2/NDF:59.9/56

Out: 103.632+/-90.626 χ^2/NDF:100.4/60

All: -41.419+/-69.788 χ^2/NDF: 166.6/117



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: 351.931+/-0.070 χ^2/NDF: 16388869.0/36

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

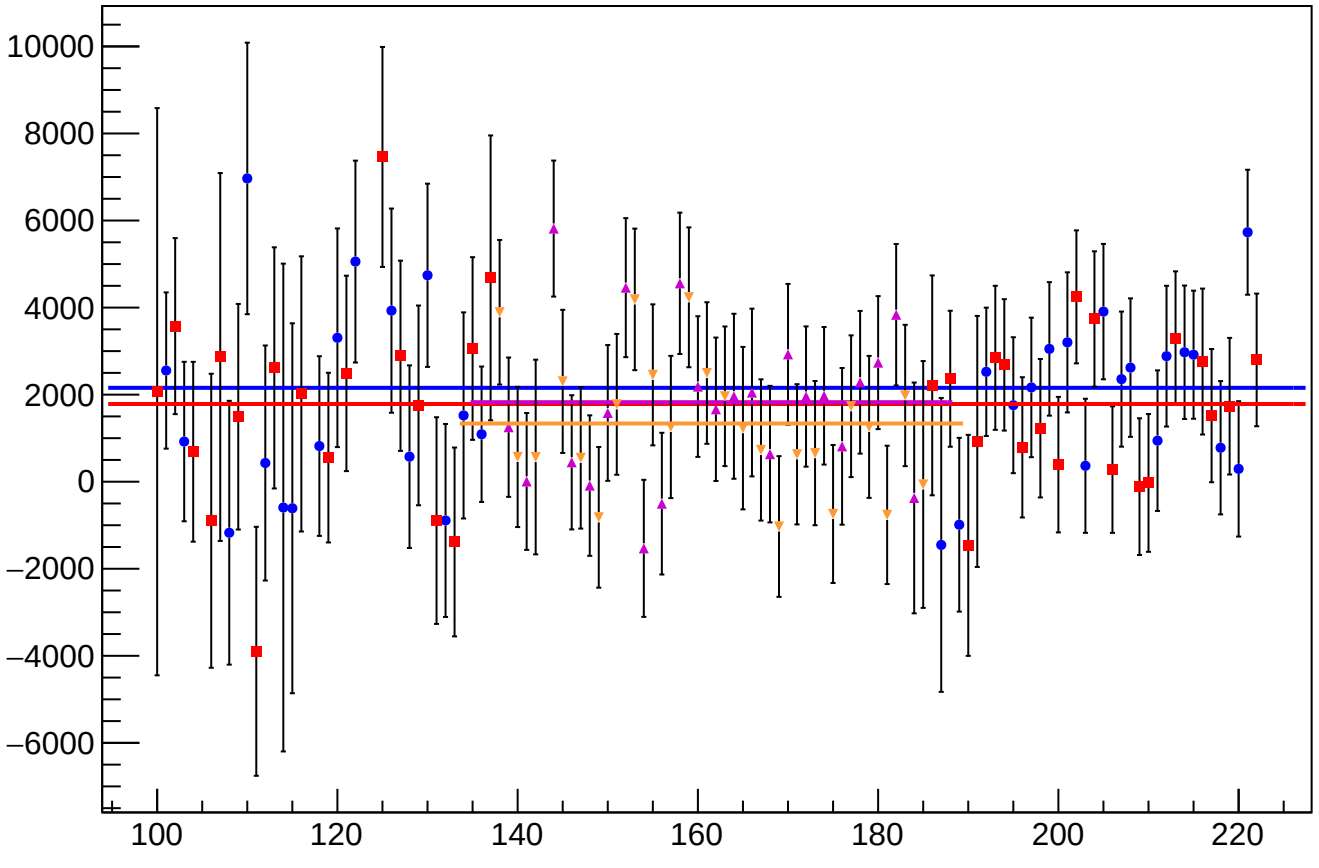
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 428.711+/-0.055 χ^2/NDF: 24156241.8/70

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 443.301+/-0.064 χ^2/NDF:30060848.0/60

All: 520.325+/-0.049 χ^2/NDF: 45675407.5/1



Right In: 2156.808+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1784.875+/-318.140 χ^2/NDF: 30.0/36

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

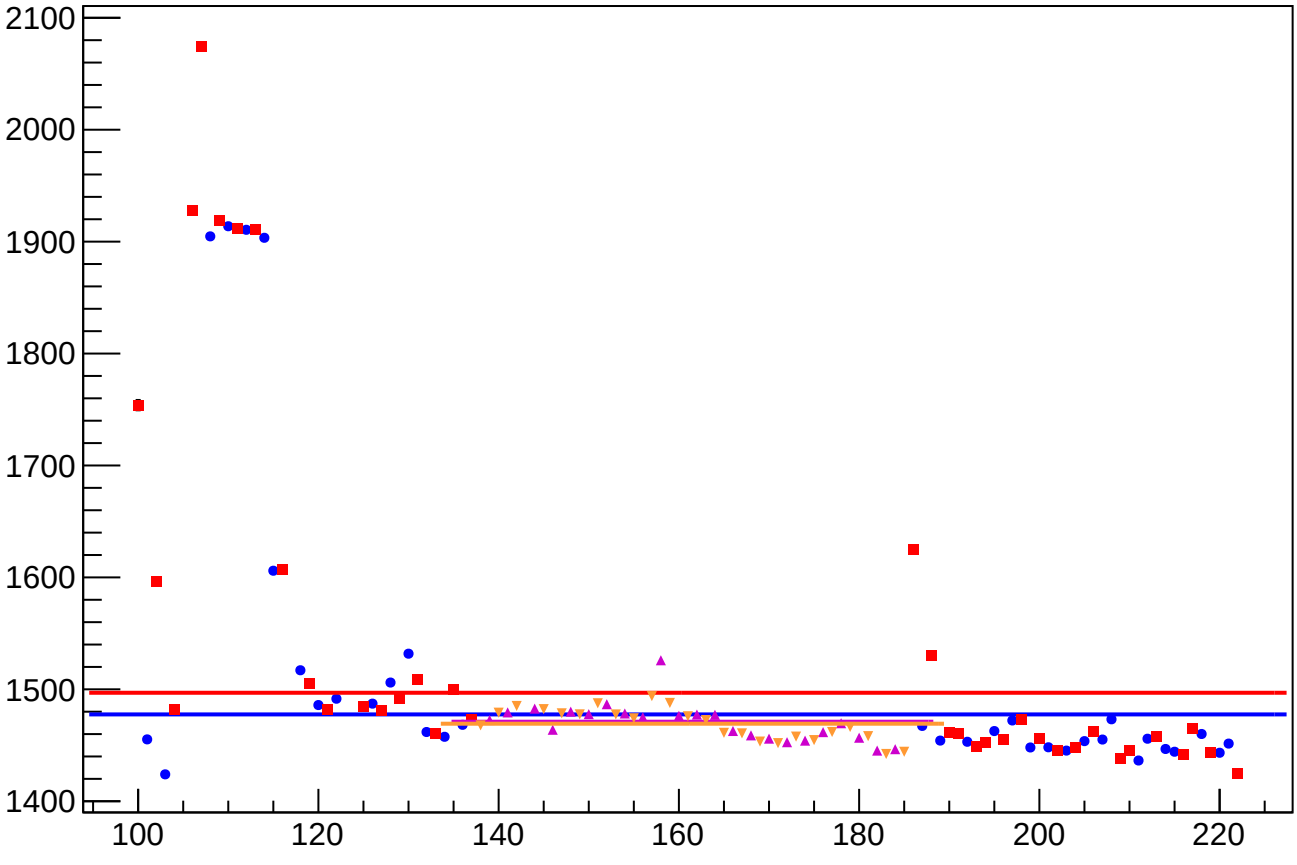
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1972.773+/-223.788 χ^2/NDF: 60.1/70

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1576.468+/-232.625 χ^2/NDF:50.1/60

All: 1791.751+/-164.304 χ^2/NDF: 108.2/117



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: 1496.922+/-0.225 χ^2/NDF: 256095.2/36

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

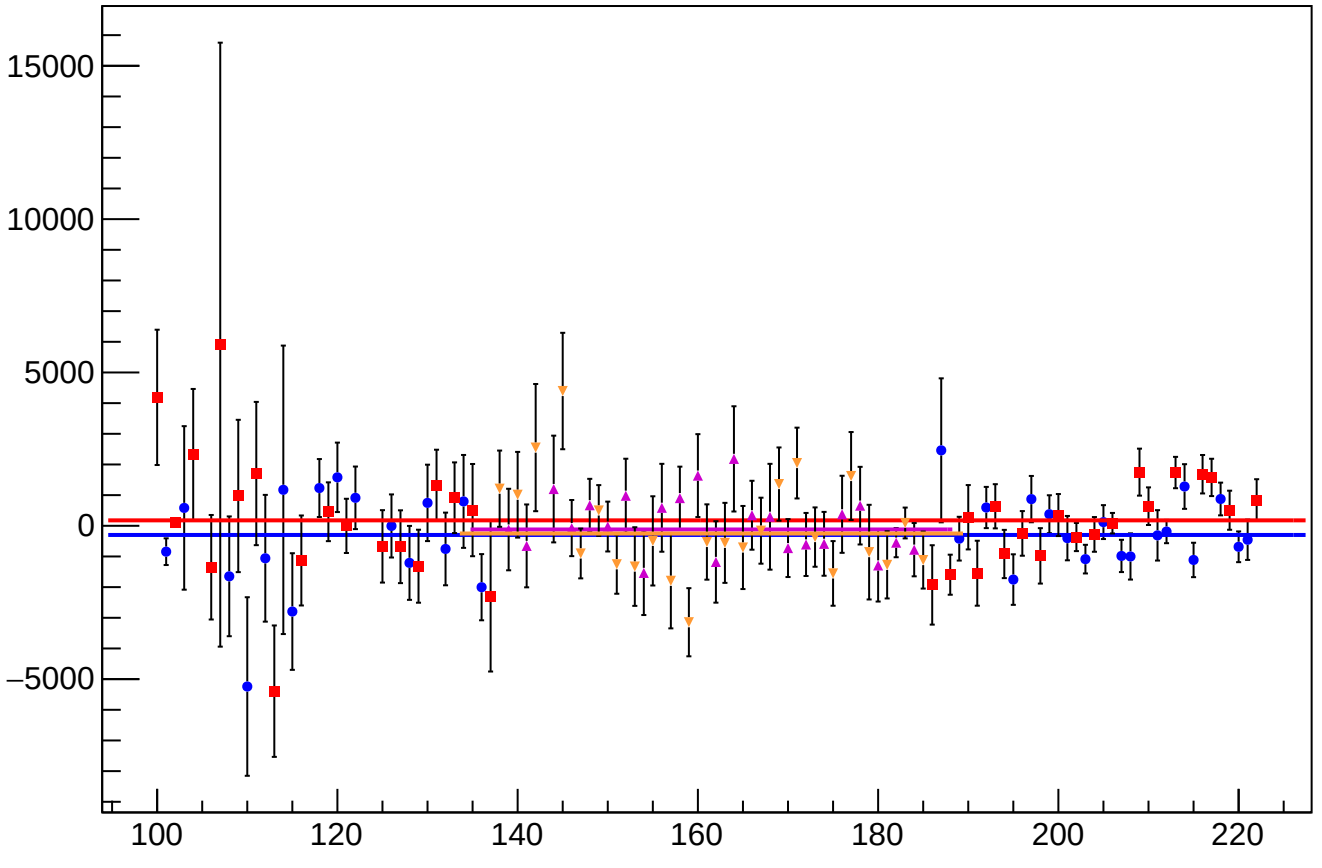
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1487.149+/-0.158 χ^2/NDF: 418021.6/70

In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1484.053+/-0.164 χ^2/NDF:266283.1/60

All: 1479.315+/-0.116 χ^2/NDF: 431163.9/117



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: 177.546+/-99.609 χ^2/NDF: 64.5/36

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

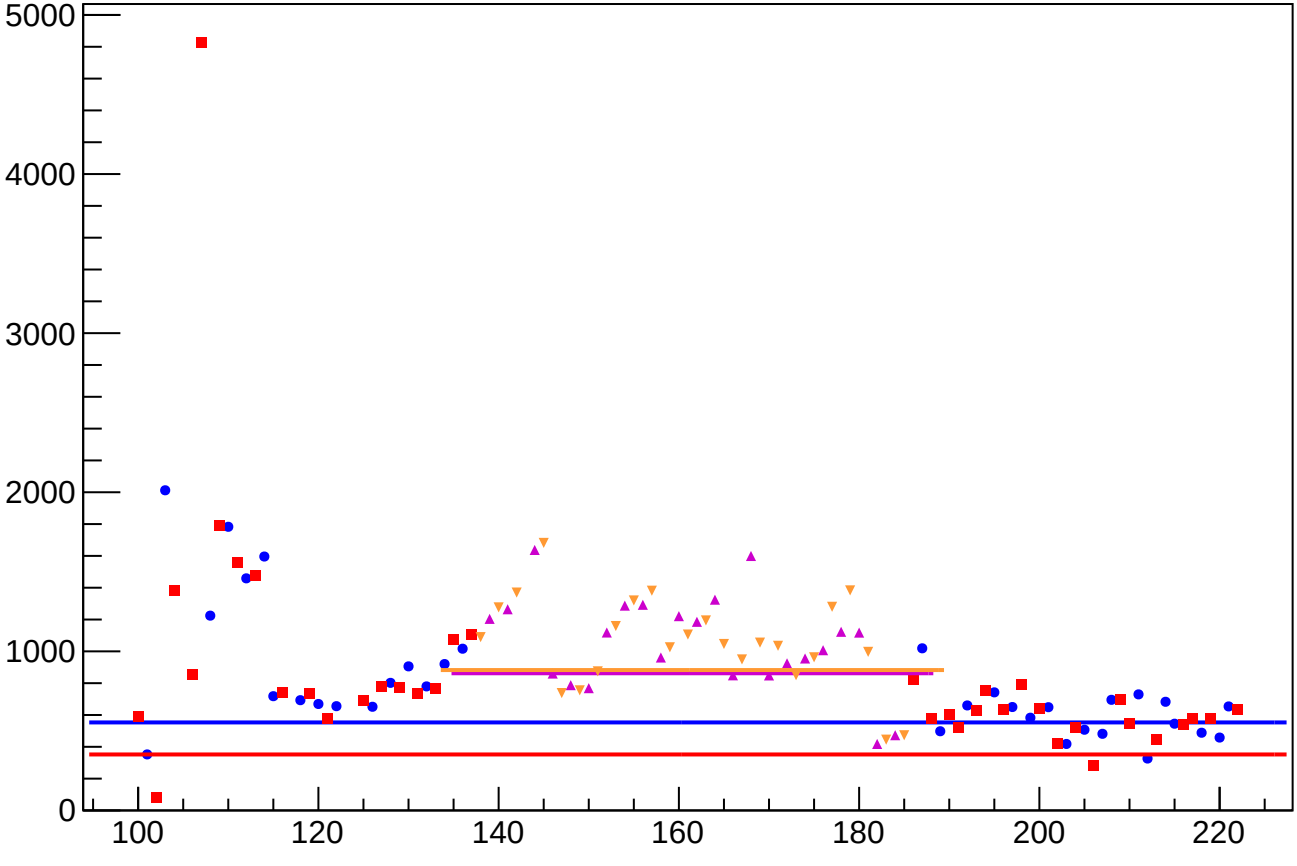
Right: -4.044+/-78.347 χ^2/NDF: 119.8/70

In: -252.768+/-109.394 χ^2/NDF:59.9/56

Out: 103.632+/-90.626 χ^2/NDF:100.4/60

All: -41.419+/-69.788 χ^2/NDF: 166.6/117

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: 351.931+/-0.070 χ^2/NDF: 16388869.0/36

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

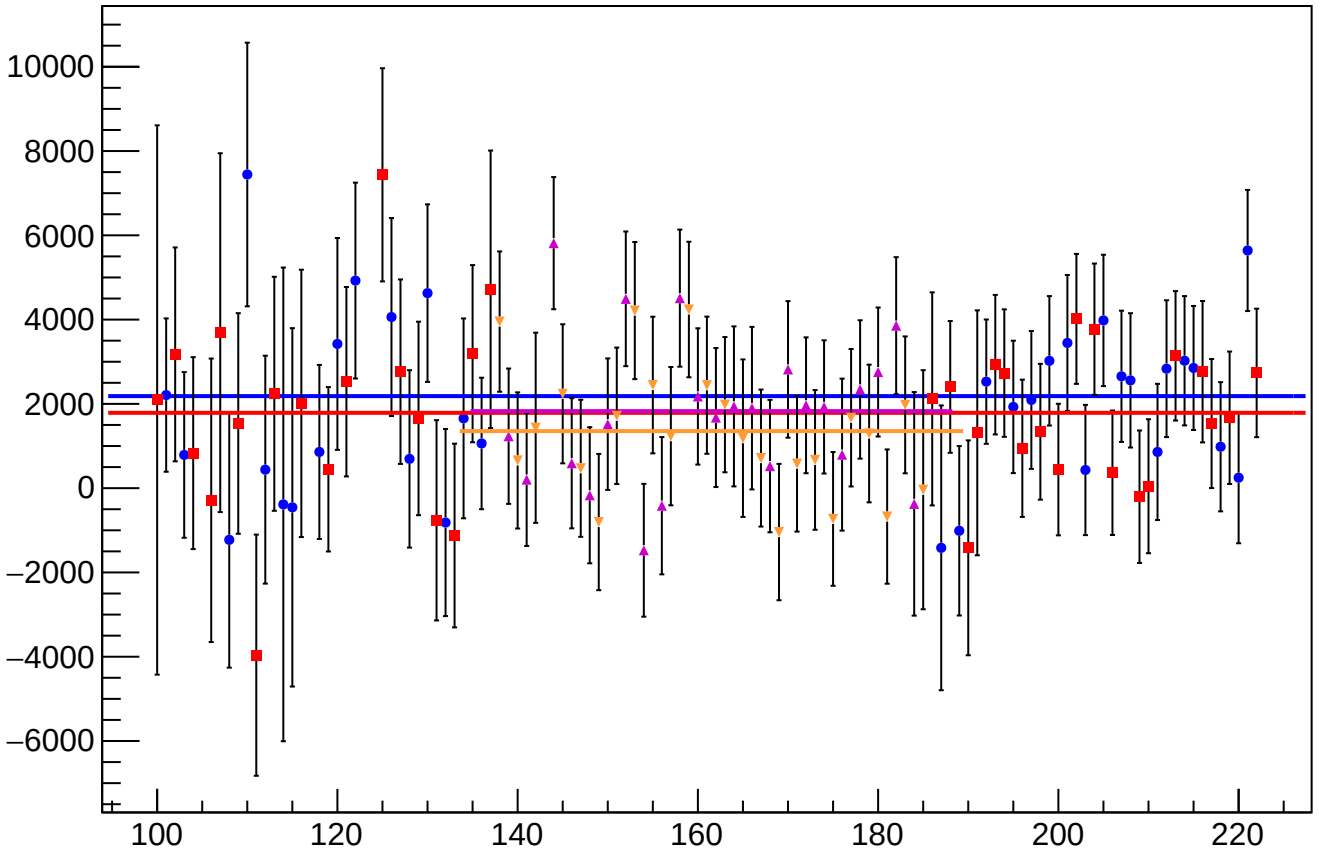
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 428.711+/-0.055 χ^2/NDF: 24156241.8/70

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 443.301+/-0.064 χ^2/NDF:30060848.0/60

All: 520.325+/-0.049 χ^2/NDF: 45675407.5/1



Right In: 2184.147+/-316.443 χ^2/NDF: 29.2/33

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1787.932+/-321.448 χ^2/NDF: 27.8/36

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

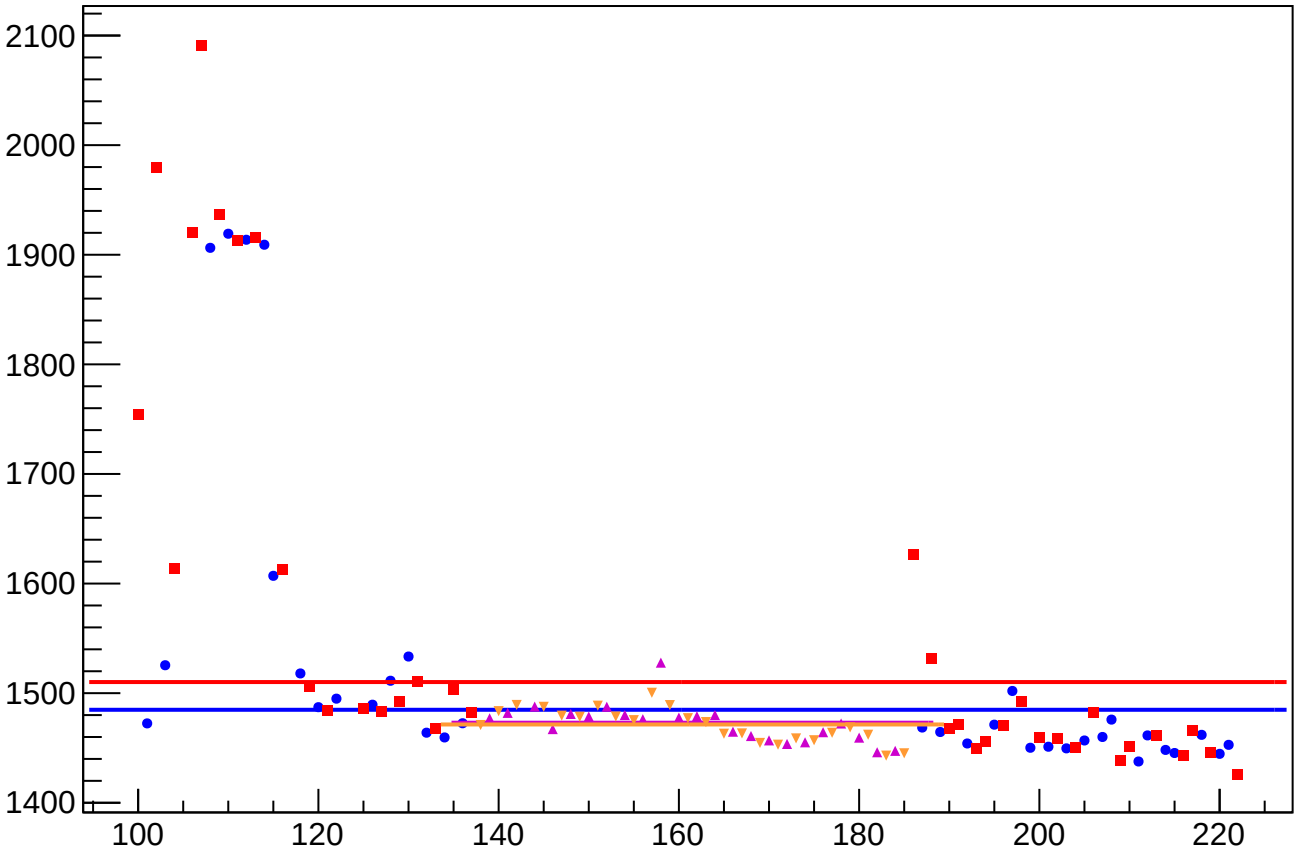
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1989.148+/-225.508 χ^2/NDF: 57.8/70

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1583.976+/-234.088 χ^2/NDF:47.6/60

All: 1803.620+/-165.096 χ^2/NDF: 105.0/117



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.9/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1510.138+/-0.227 χ^2/NDF: 324972.7/36

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

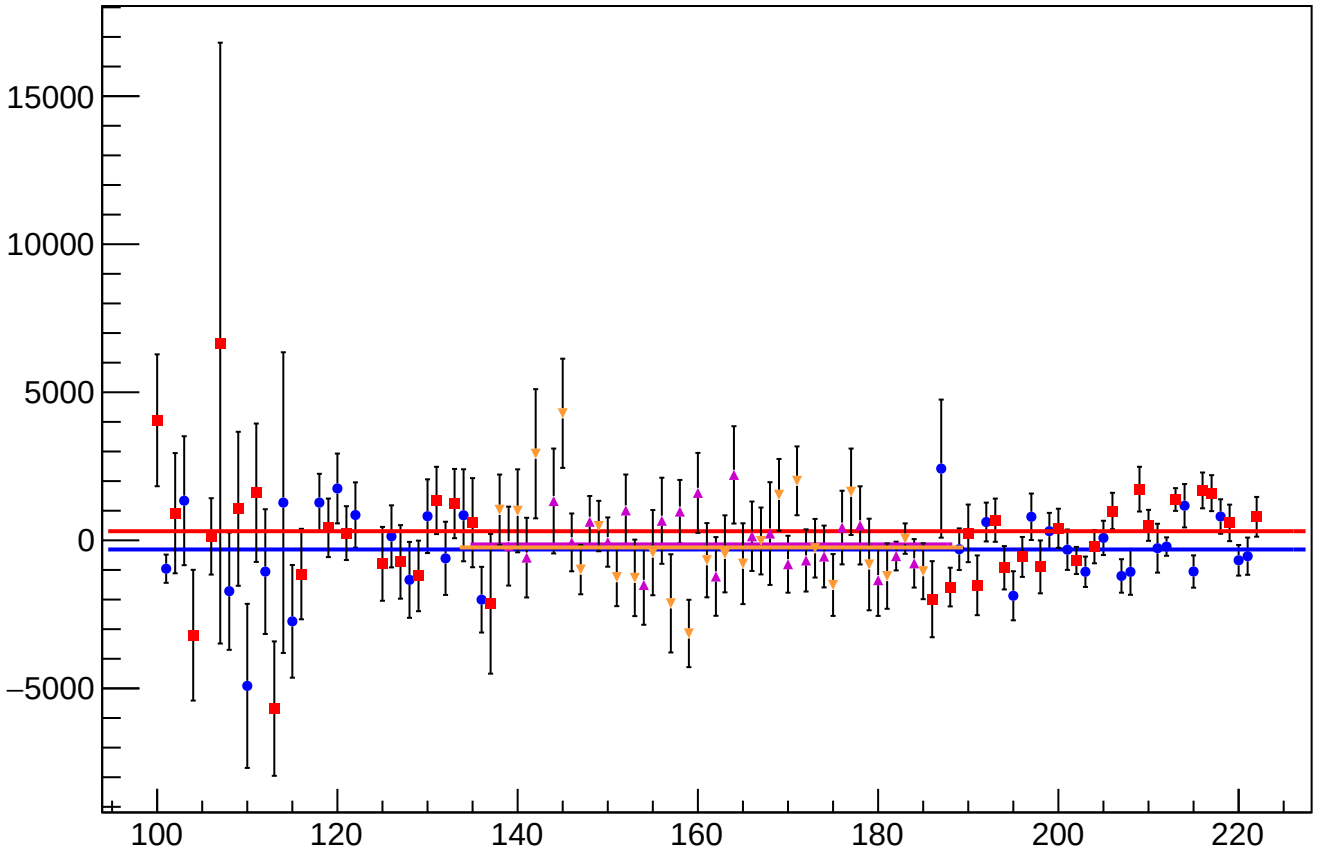
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1497.289+/-0.159 χ^2/NDF: 488311.2/70

In: 1479.434+/-0.165 χ^2/NDF:163070.8/56

Out: 1491.961+/-0.166 χ^2/NDF:342025.6/60

All: 1485.665+/-0.117 χ^2/NDF: 507974.9/117



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: 308.010+/-133.512 χ^2/NDF: 69.8/36

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

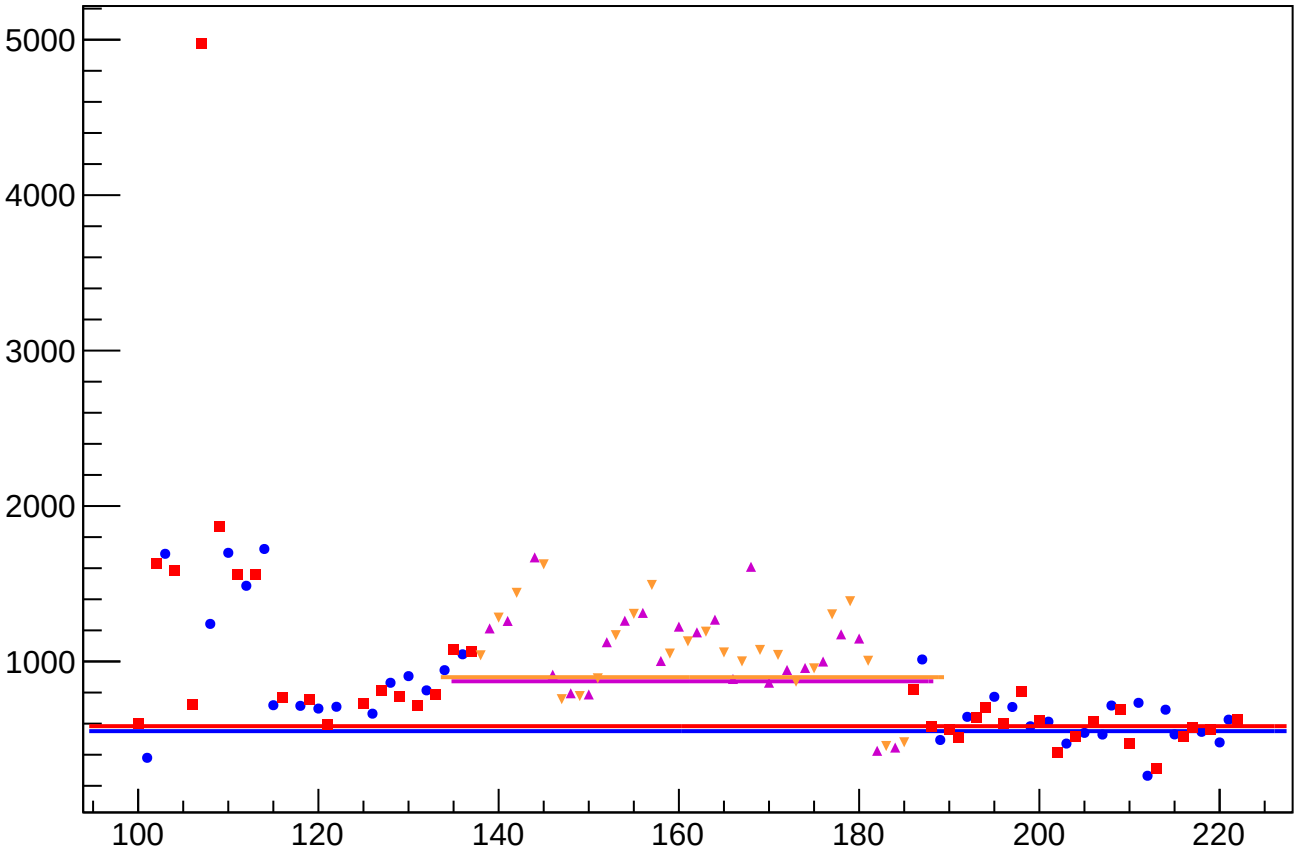
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -16.849+/-91.854 χ^2/NDF: 126.3/70

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 162.173+/-114.385 χ^2/NDF:106.7/60

All: -61.209+/-79.106 χ^2/NDF: 172.7/117



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: 583.777+/-0.094 χ^2/NDF: 4884674.5/36

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

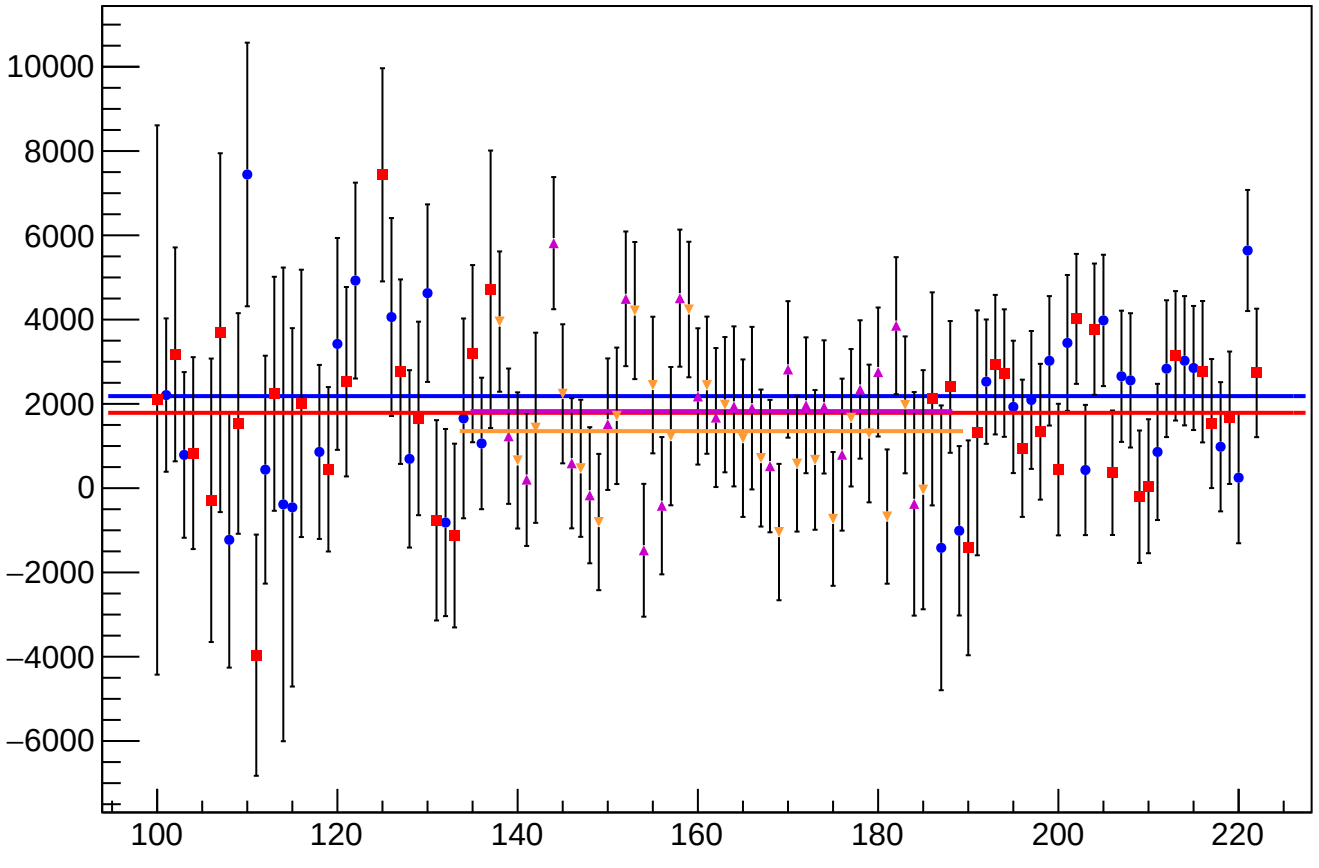
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 566.905+/-0.065 χ^2/NDF: 10357977.7/70

In: 632.335+/-0.077 χ^2/NDF:13075289.6/56

Out: 667.583+/-0.081 χ^2/NDF:11638834.9/60

All: 649.193+/-0.056 χ^2/NDF: 24813209.5/11



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: 1787.932+/-321.448 χ^2/NDF: 27.8/36

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

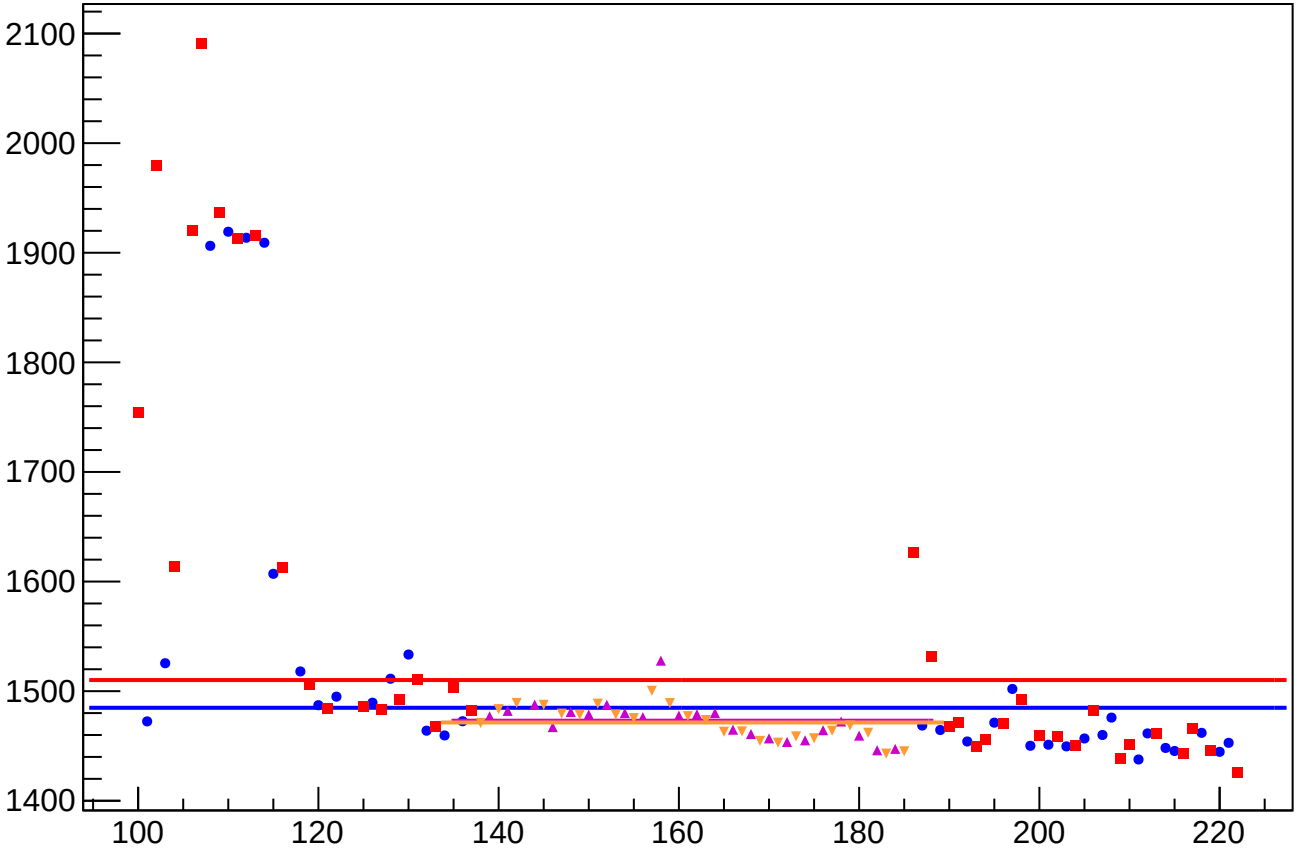
Right: 1989.147+/-225.508 χ^2/NDF: 57.8/70

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1583.975+/-234.088 χ^2/NDF:47.6/60

All: 1803.619+/-165.096 χ^2/NDF: 105.0/117

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.8/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1510.138+/-0.227 χ^2/NDF: 324972.2/36

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

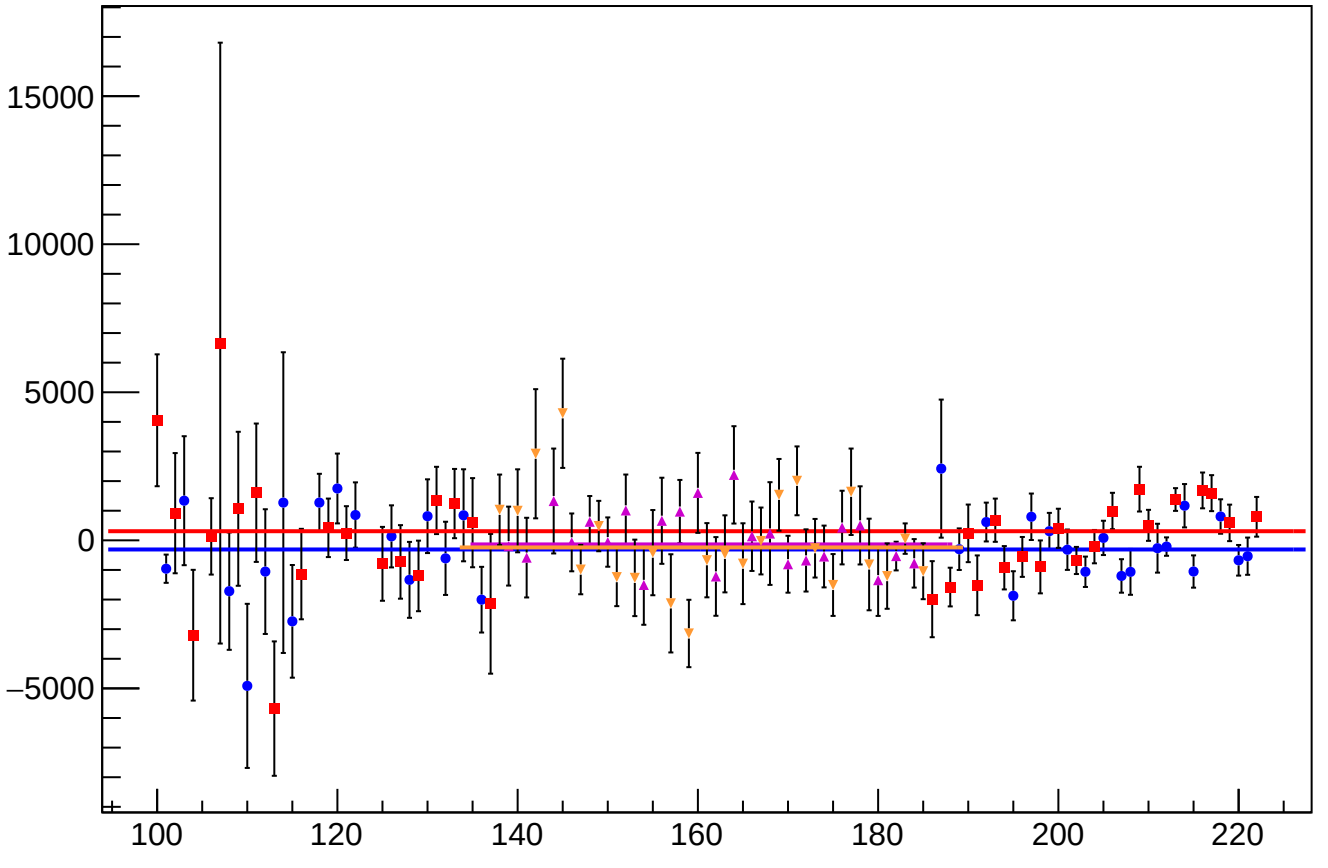
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1497.289+/-0.159 χ^2/NDF: 488310.6/70

In: 1479.434+/-0.165 χ^2/NDF:163070.6/56

Out: 1491.961+/-0.166 χ^2/NDF:342025.0/60

All: 1485.665+/-0.117 χ^2/NDF: 507974.2/117



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: 308.010+/-133.512 χ^2/NDF: 69.8/36

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

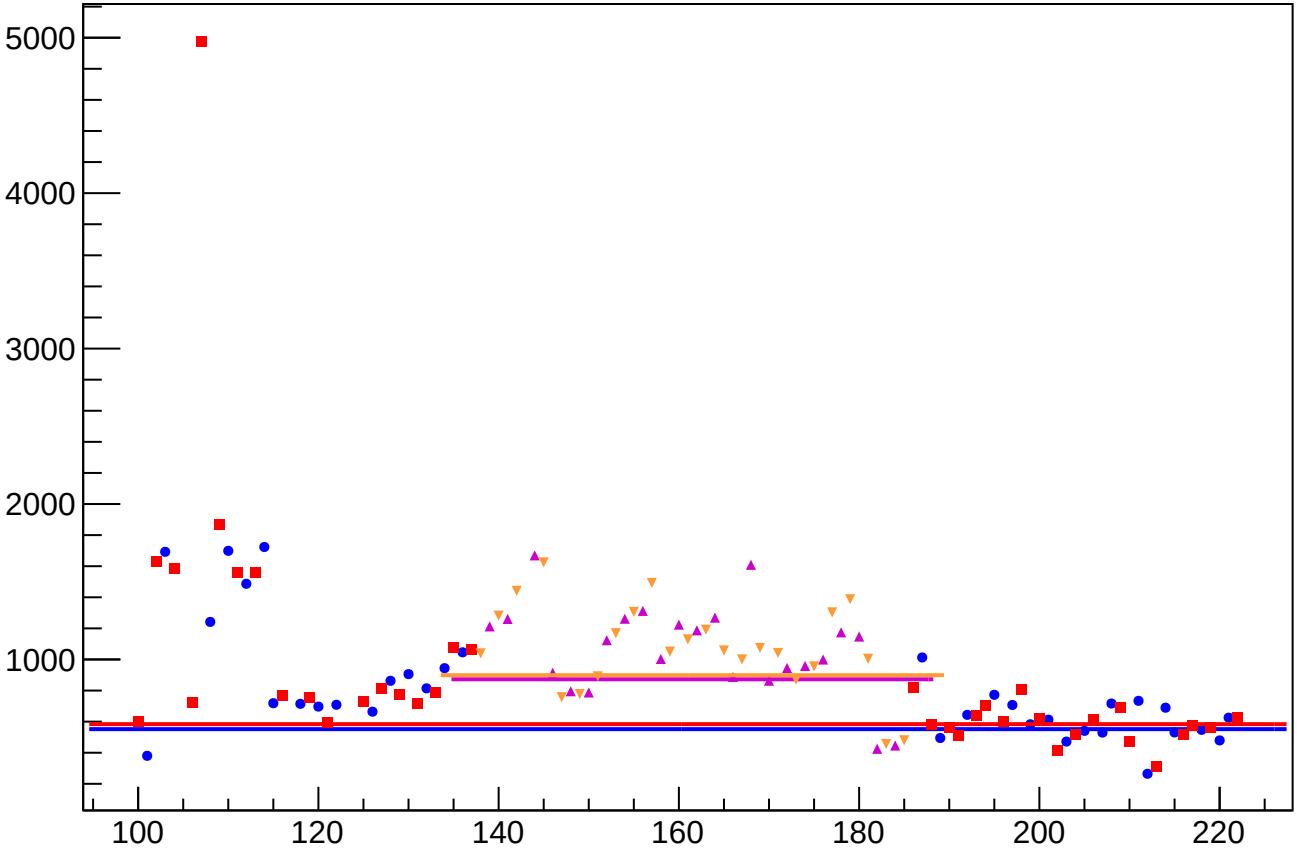
Right: -16.849+/-91.854 χ^2/NDF: 126.3/70

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 162.173+/-114.385 χ^2/NDF:106.7/60

All: -61.210+/-79.106 χ^2/NDF: 172.7/117

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: 583.777+/-0.094 χ^2/NDF: 4884671.7/36

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

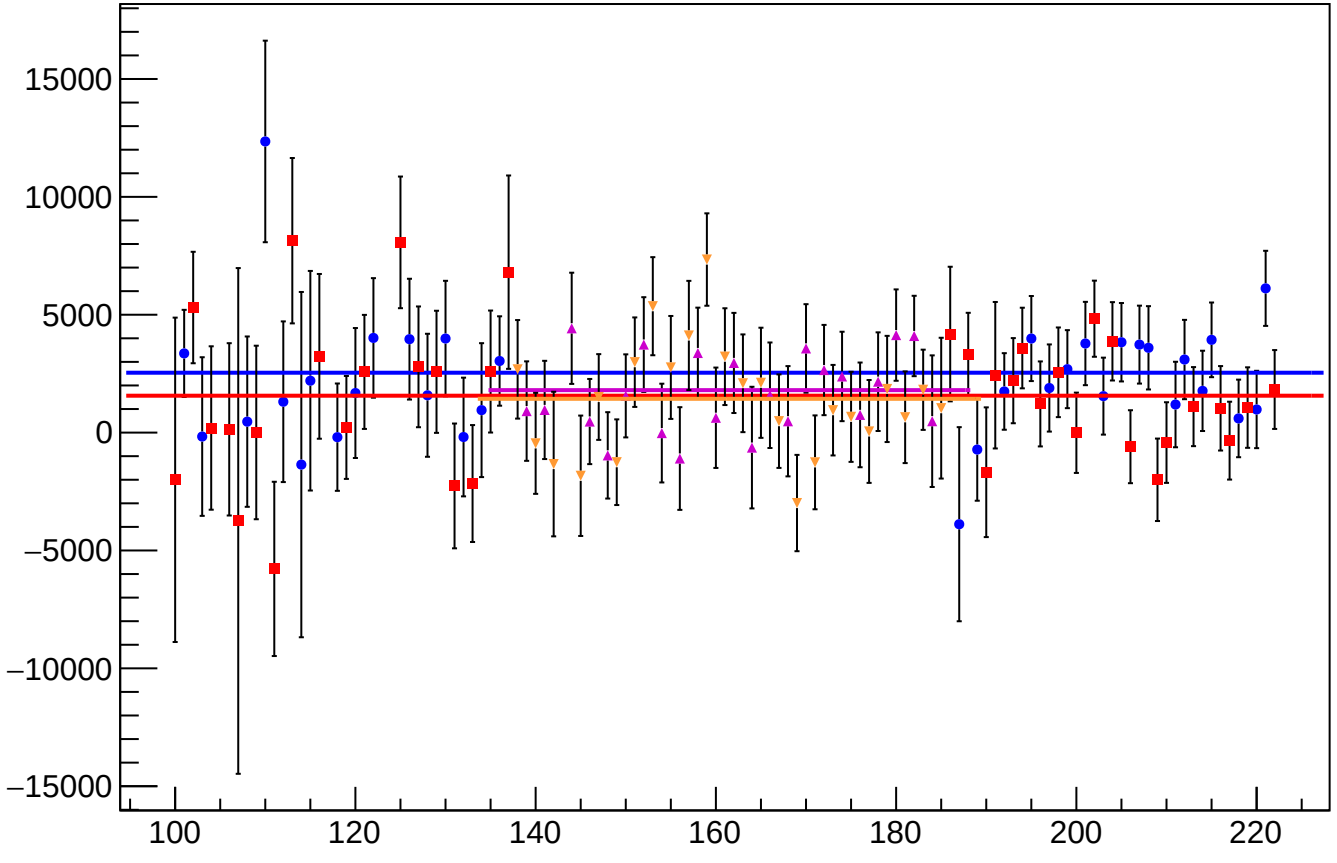
Right: 566.905+/-0.065 χ^2/NDF: 10357971.7/70

In: 632.335+/-0.077 χ^2/NDF:13075301.7/56

Out: 667.583+/-0.081 χ^2/NDF:11638845.2/60

All: 649.193+/-0.056 χ^2/NDF: 24813232.6/1

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1565.255+/-357.530 χ^2/NDF: 44.8/36

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

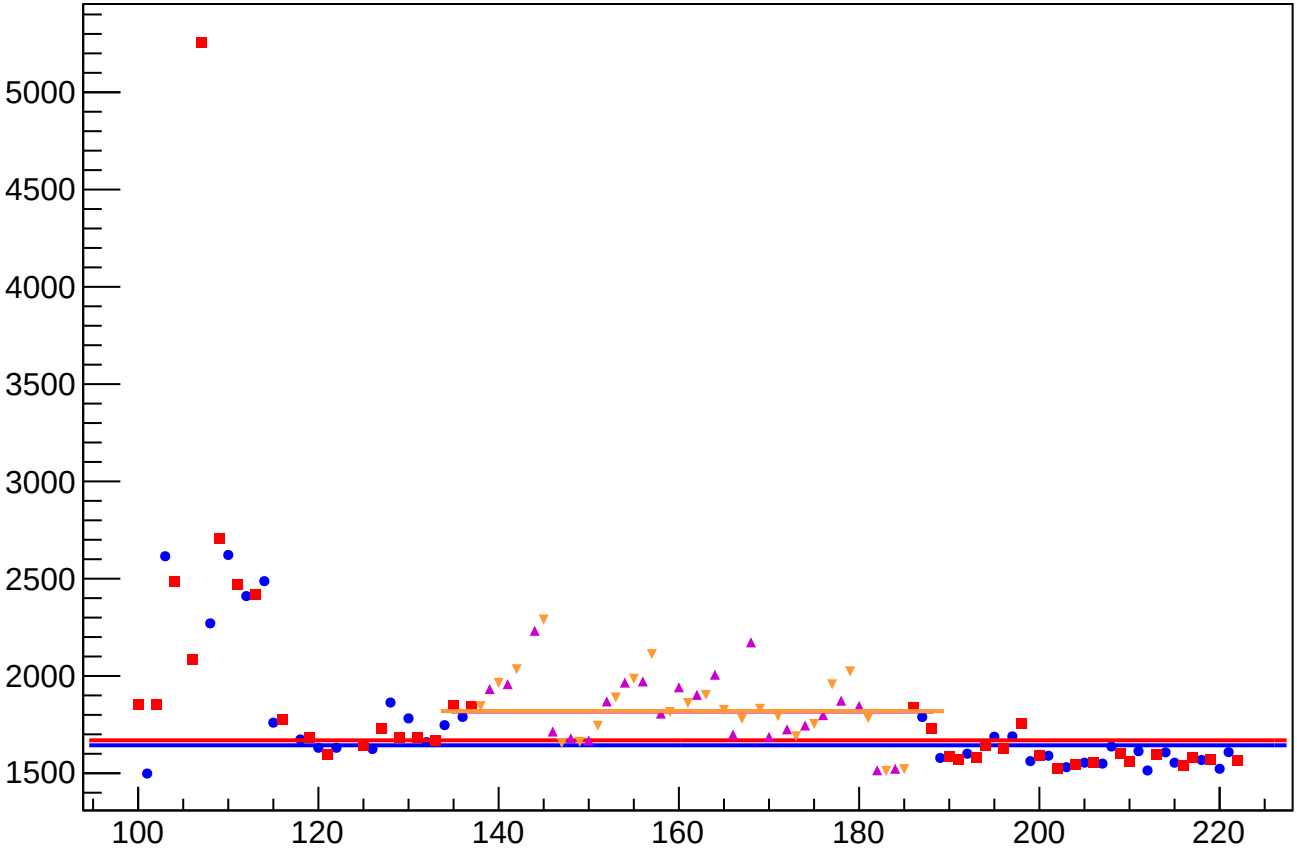
Right: 2060.136+/-250.890 χ^2/NDF: 76.7/70

In: 2240.775+/-271.547 χ^2/NDF:45.2/56

Out: 1510.496+/-273.452 χ^2/NDF:74.2/60

All: 1878.187+/-192.683 χ^2/NDF: 123.0/117

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: 1669.194+/-0.253 χ^2/NDF: 847821.0/36

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

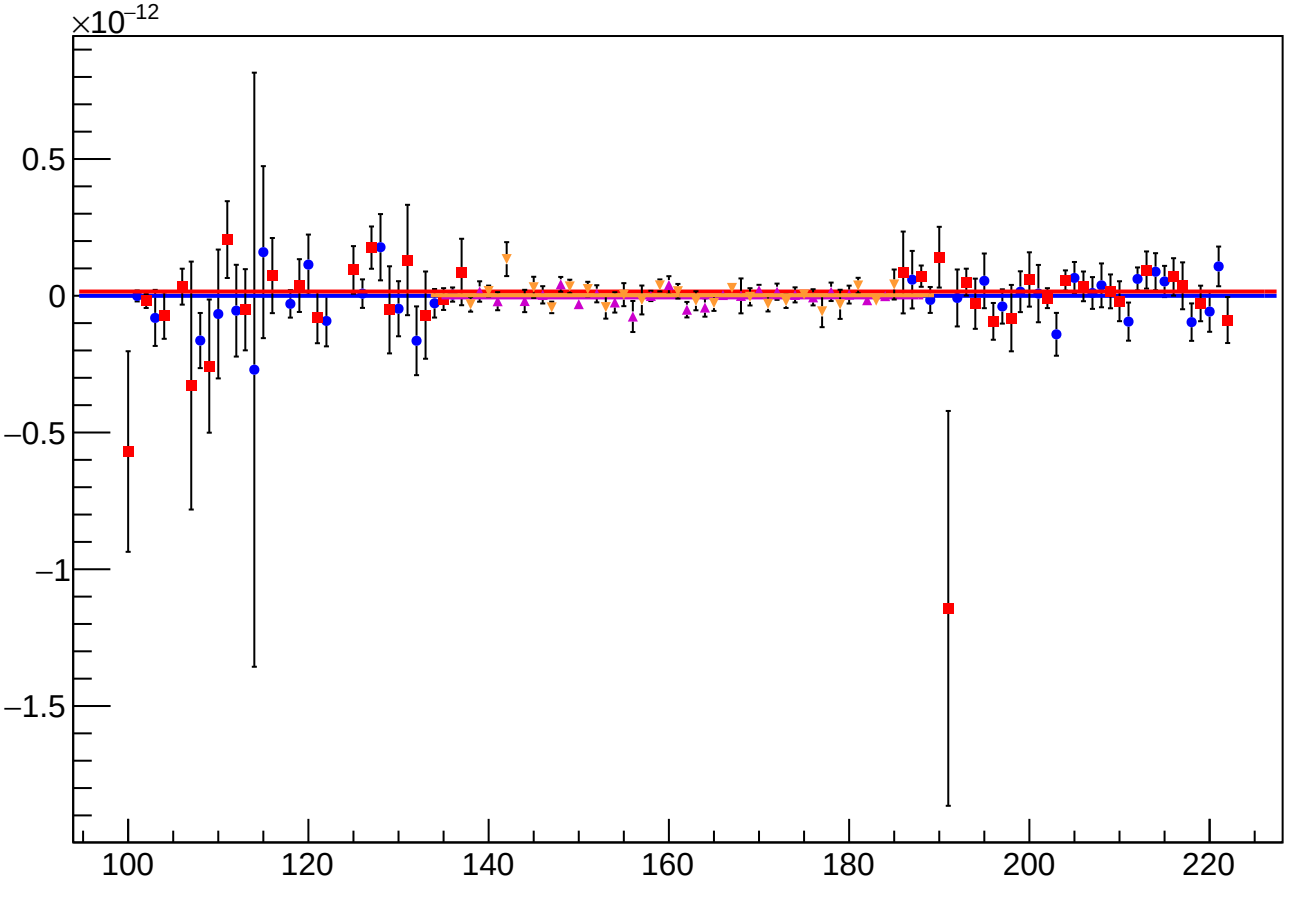
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1656.238+/-0.177 χ^2/NDF: 1434133.1/70

In: 1713.995+/-0.192 χ^2/NDF:1084990.6/56

Out: 1731.541+/-0.193 χ^2/NDF:1289377.0/60

All: 1722.707+/-0.136 χ^2/NDF: 2378513.3/11



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: 33.7/36

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

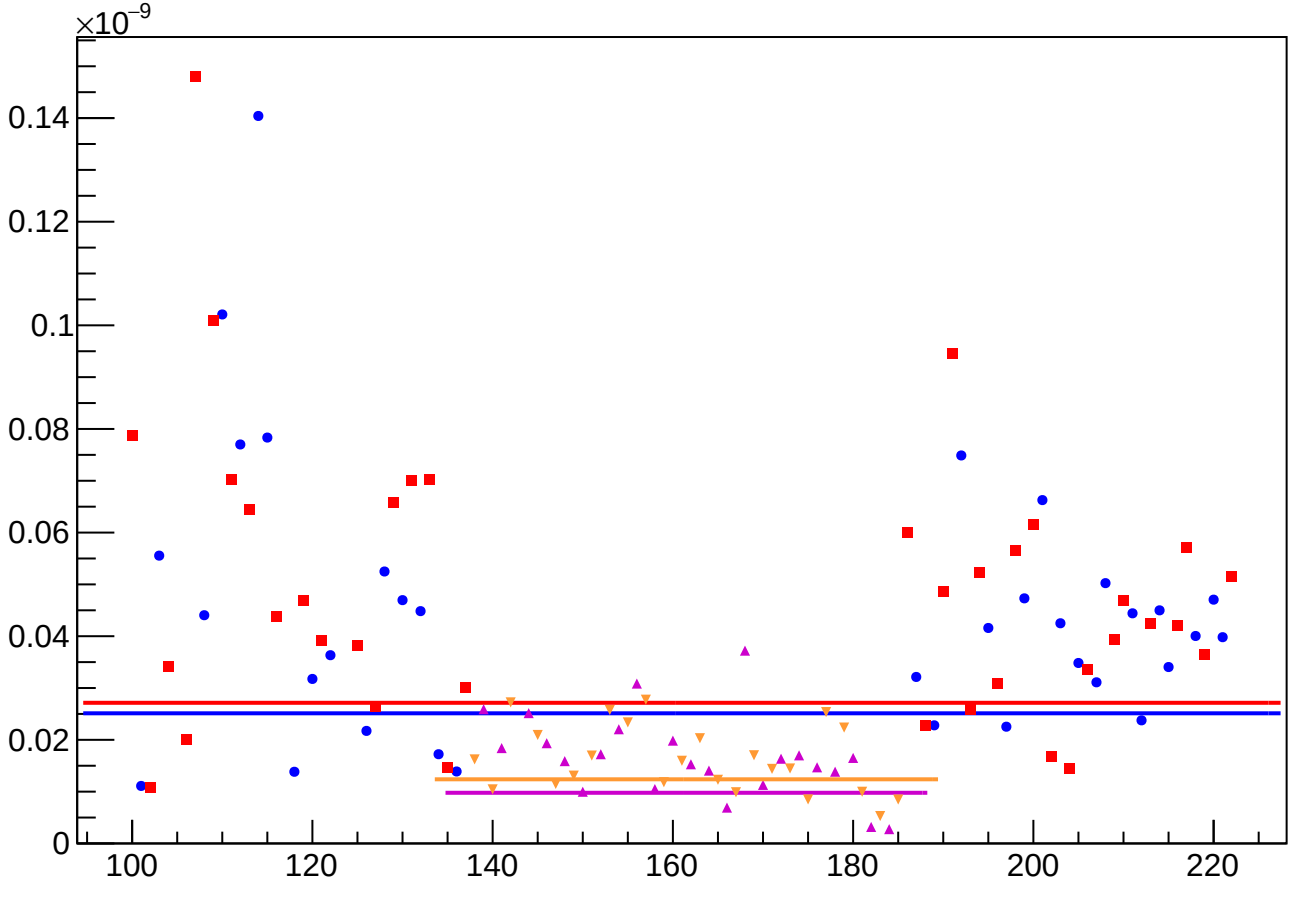
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 62.6/70

In: -0.000+/-0.000 χ^2/NDF:46.0/56

Out: 0.000+/-0.000 χ^2/NDF:64.3/60

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



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: 4307912.4/36

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

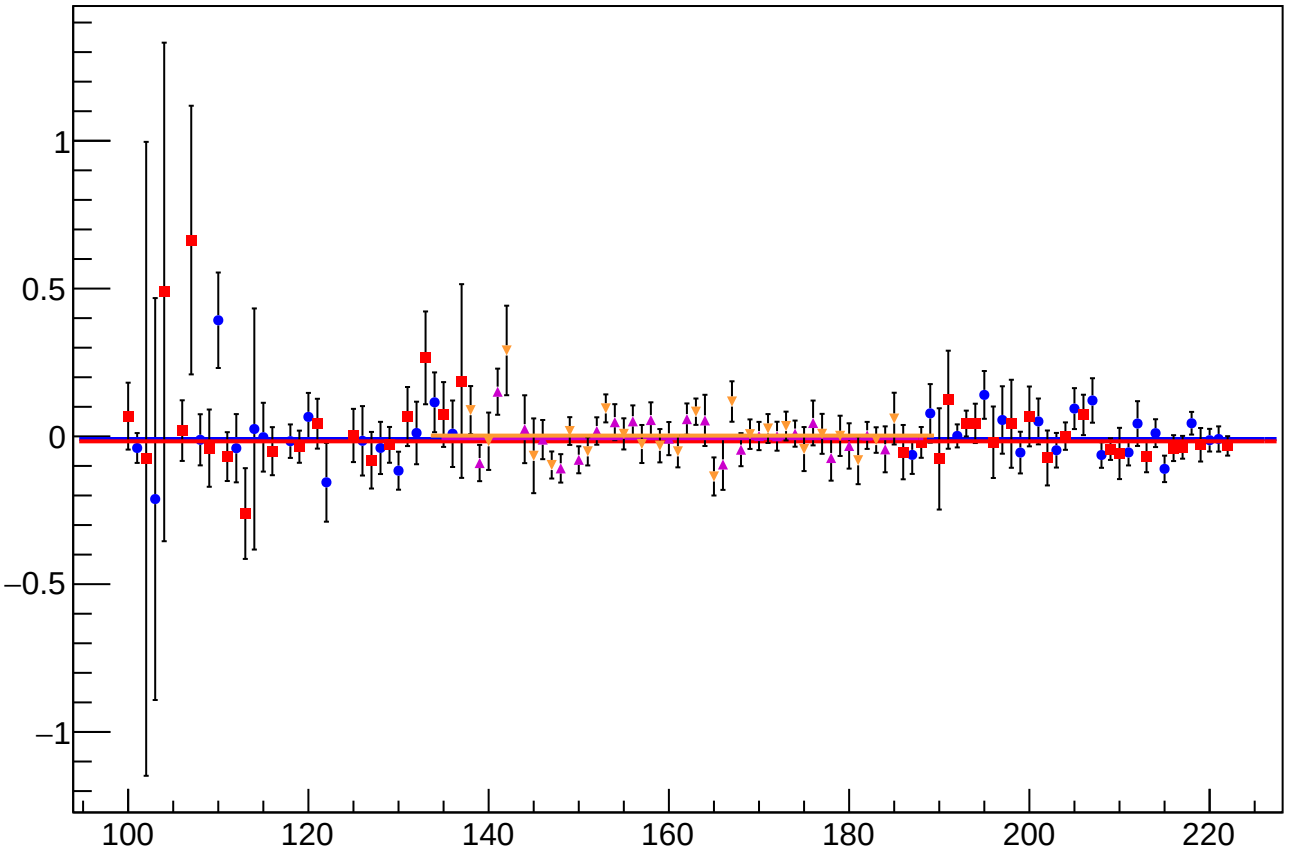
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8984113.8/70

In: 0.000+/-0.000 χ^2/NDF:12962333.3/56

Out: 0.000+/-0.000 χ^2/NDF:9152876.4/60

All: 0.000+/-0.000 χ^2/NDF: 22479655.0/117



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: -0.017+/-0.011 χ^2/NDF: 22.0/36

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

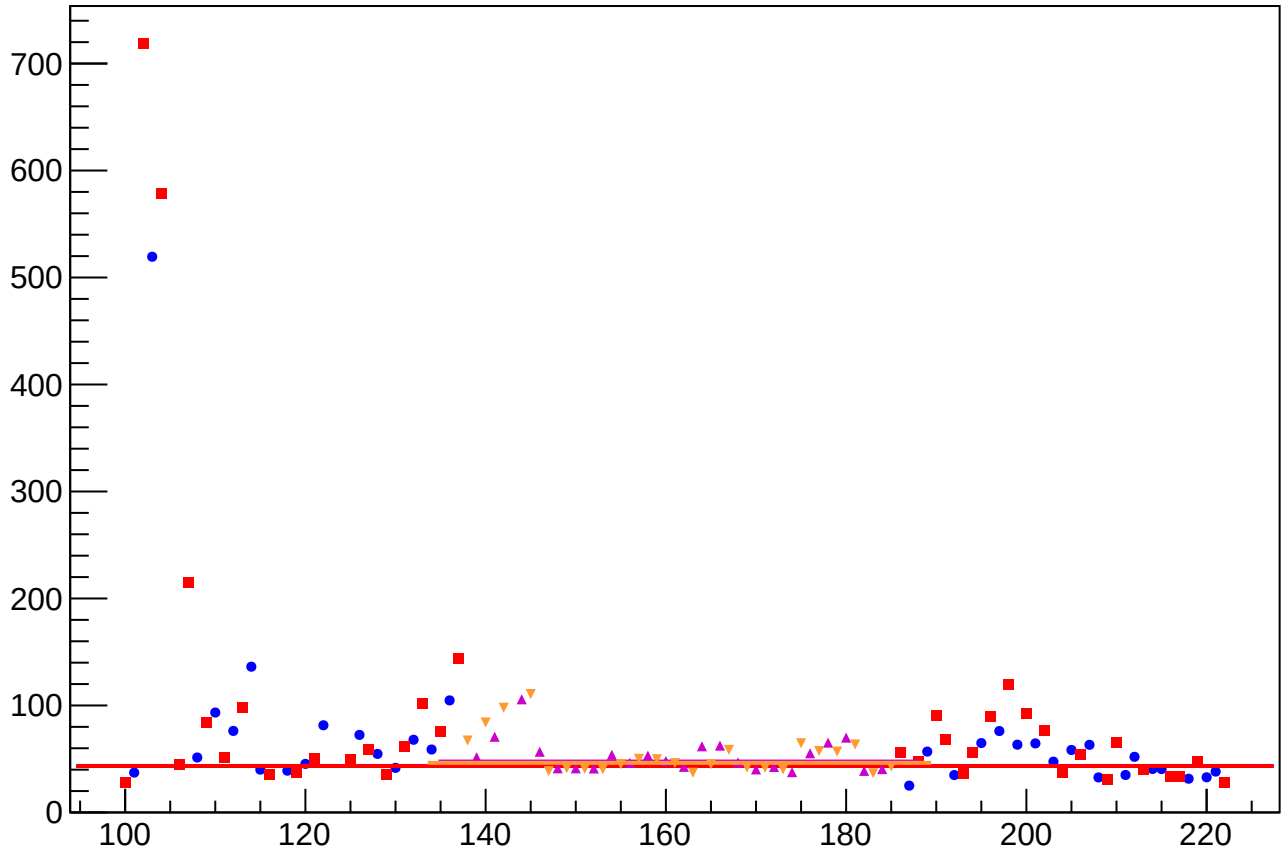
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.013+/-0.008 χ^2/NDF: 57.7/70

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.008+/-0.008 χ^2/NDF:53.2/60

All: -0.008+/-0.006 χ^2/NDF: 110.4/117



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 43.415+/-0.008 χ^2/NDF: 6290887.2/36

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

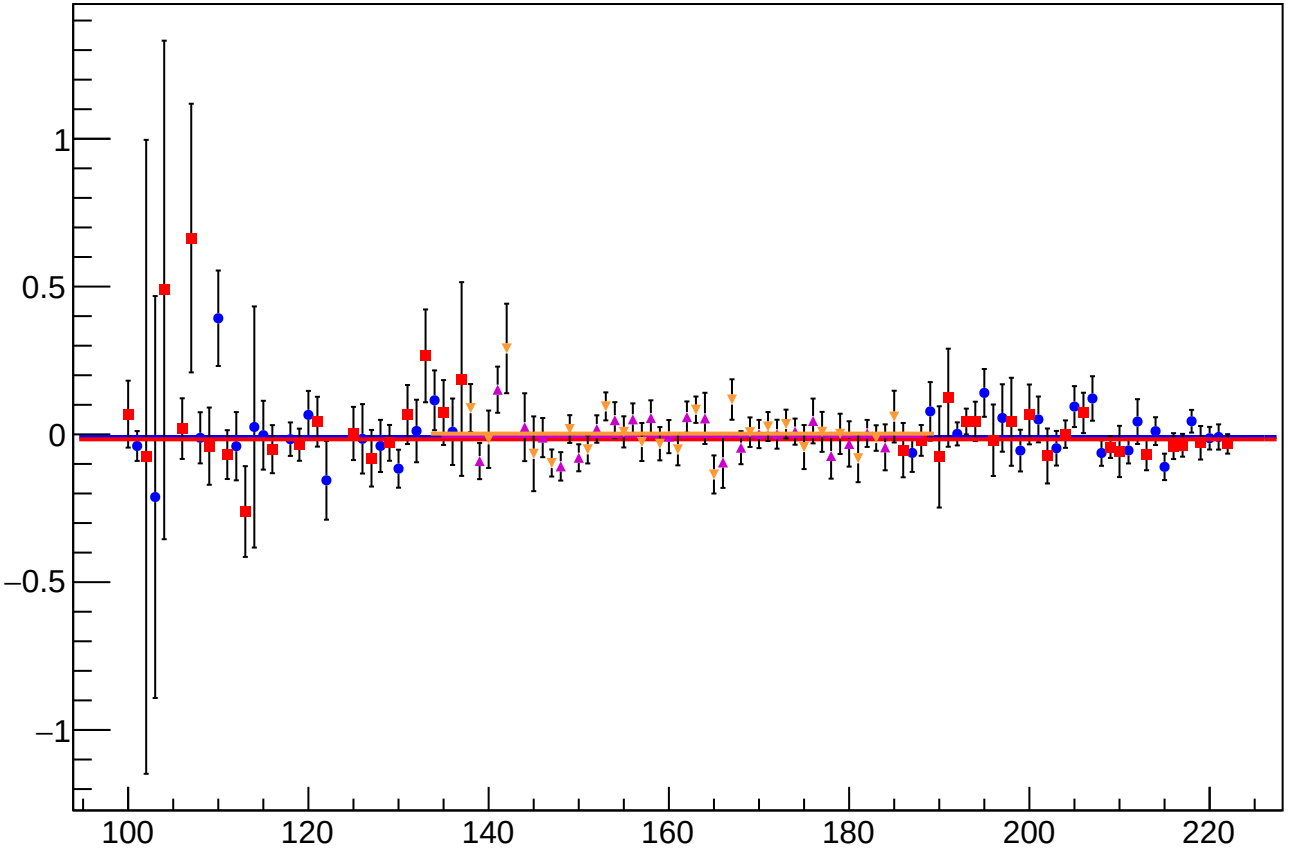
Right: 43.433+/-0.006 χ^2/NDF: 10614948.1/70

In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 44.813+/-0.006 χ^2/NDF:8322623.0/60

All: 45.061+/-0.004 χ^2/NDF: 14353689.8/117

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.017+/-0.011 χ^2/NDF: 22.0/36

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

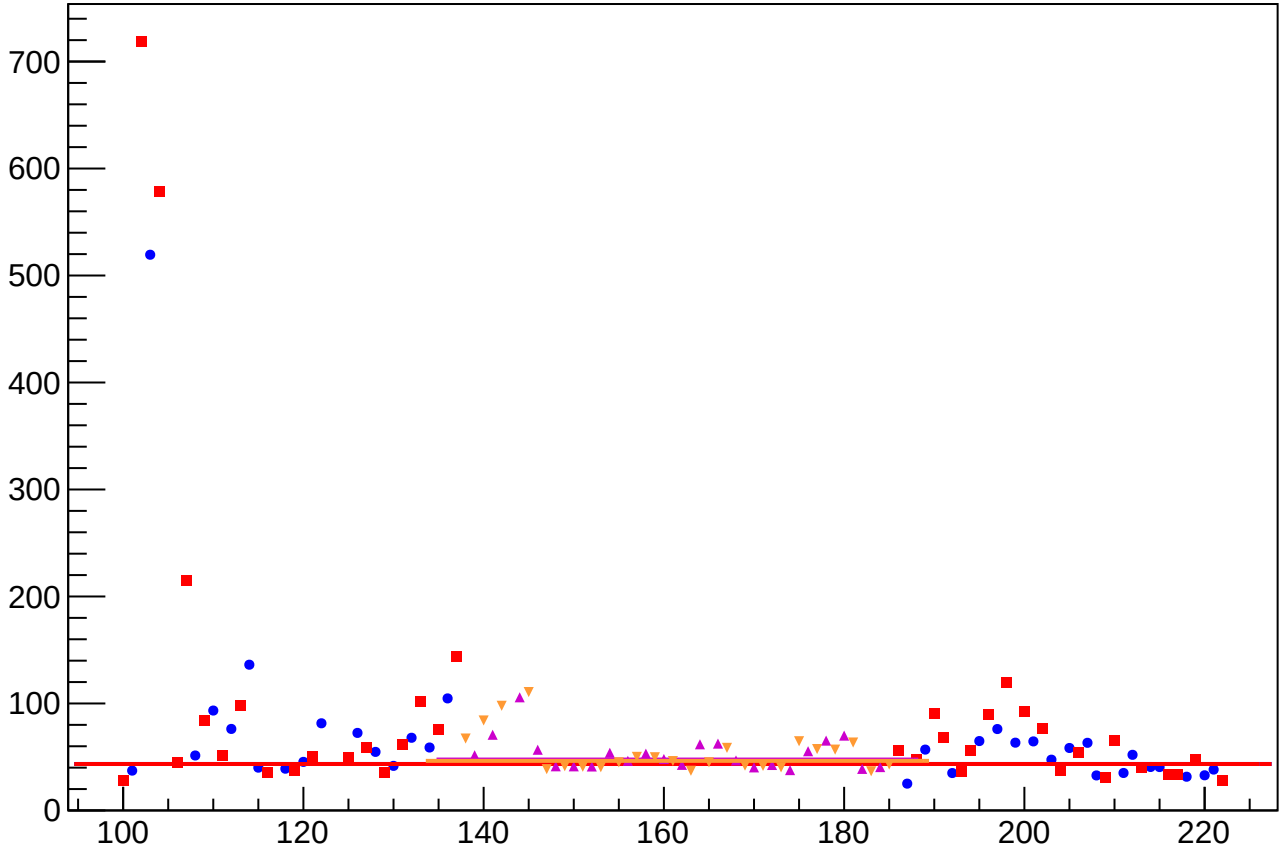
Right: -0.013+/-0.008 χ^2/NDF: 57.7/70

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.008+/-0.008 χ^2/NDF:53.2/60

All: -0.008+/-0.006 χ^2/NDF: 110.4/117

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 43.415+/-0.008 χ^2/NDF: 6290887.2/36

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

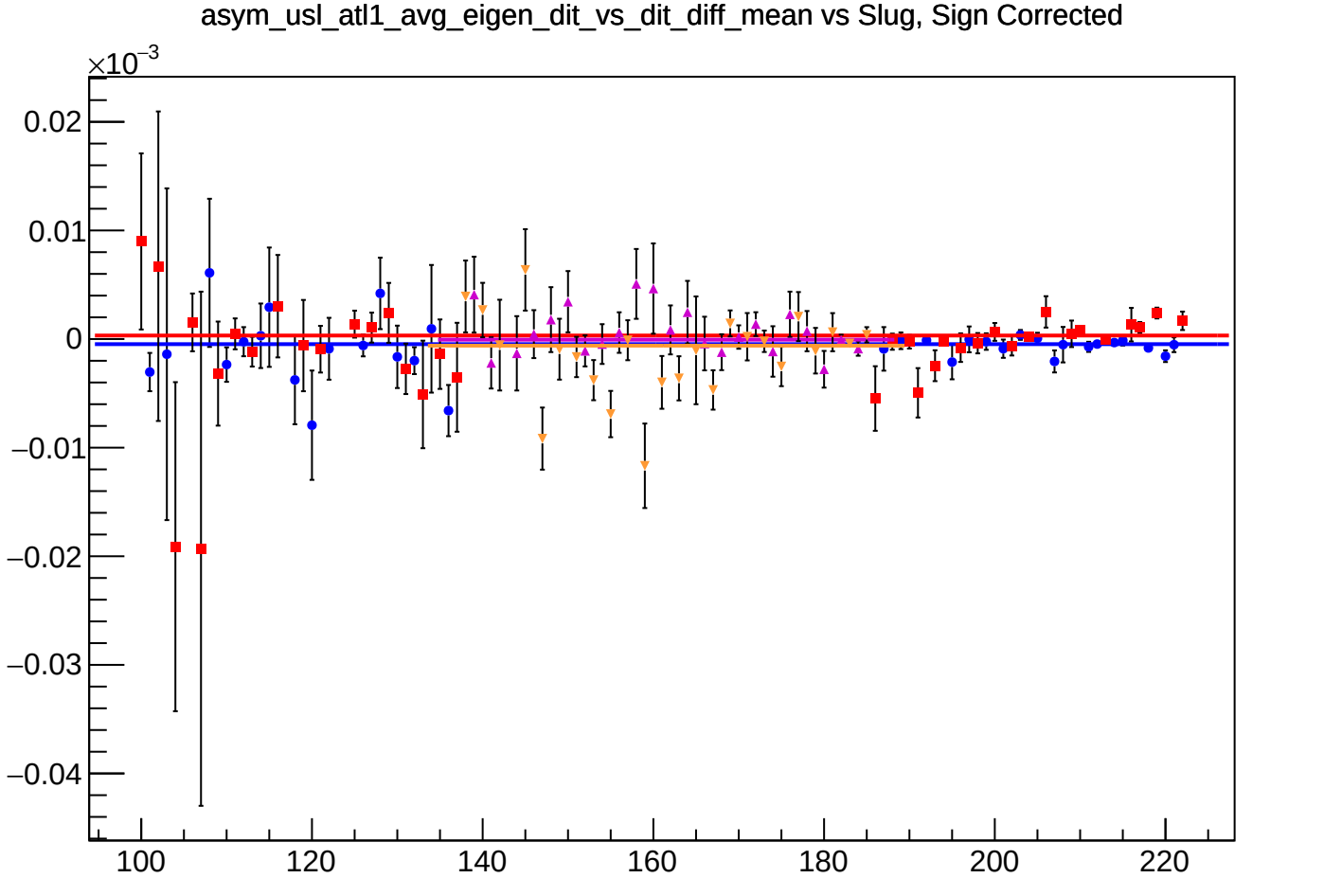
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 43.433+/-0.006 χ^2/NDF: 10614948.1/70

In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 44.813+/-0.006 χ^2/NDF:8322623.0/60

All: 45.061+/-0.004 χ^2/NDF: 14353689.8/117



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: 61.3/36

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

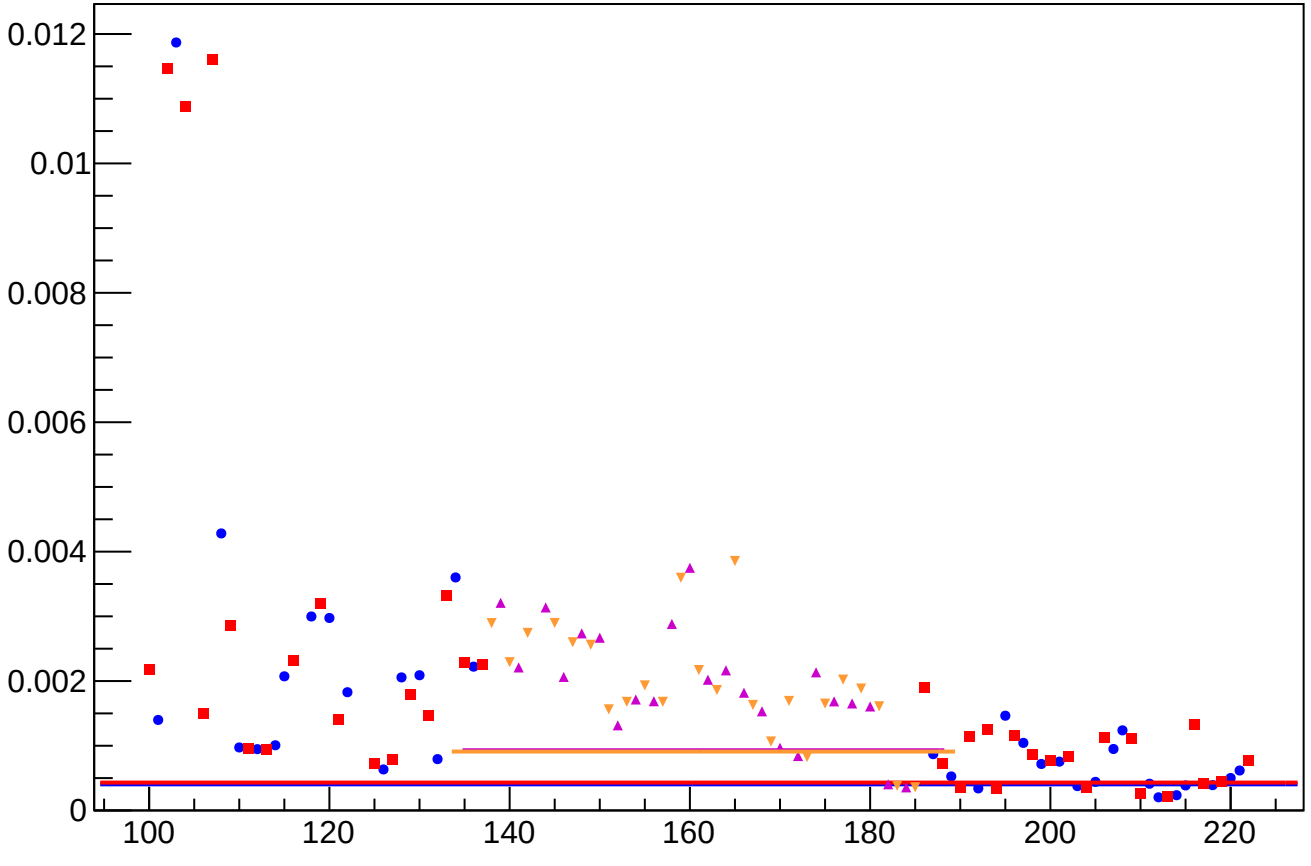
Right: -0.000+/-0.000 χ^2/NDF: 118.0/70

In: -0.000+/-0.000 χ^2/NDF:53.6/56

Out: 0.000+/-0.000 χ^2/NDF:124.7/60

All: -0.000+/-0.000 χ^2/NDF: 193.0/117

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: 16569933.7/36

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

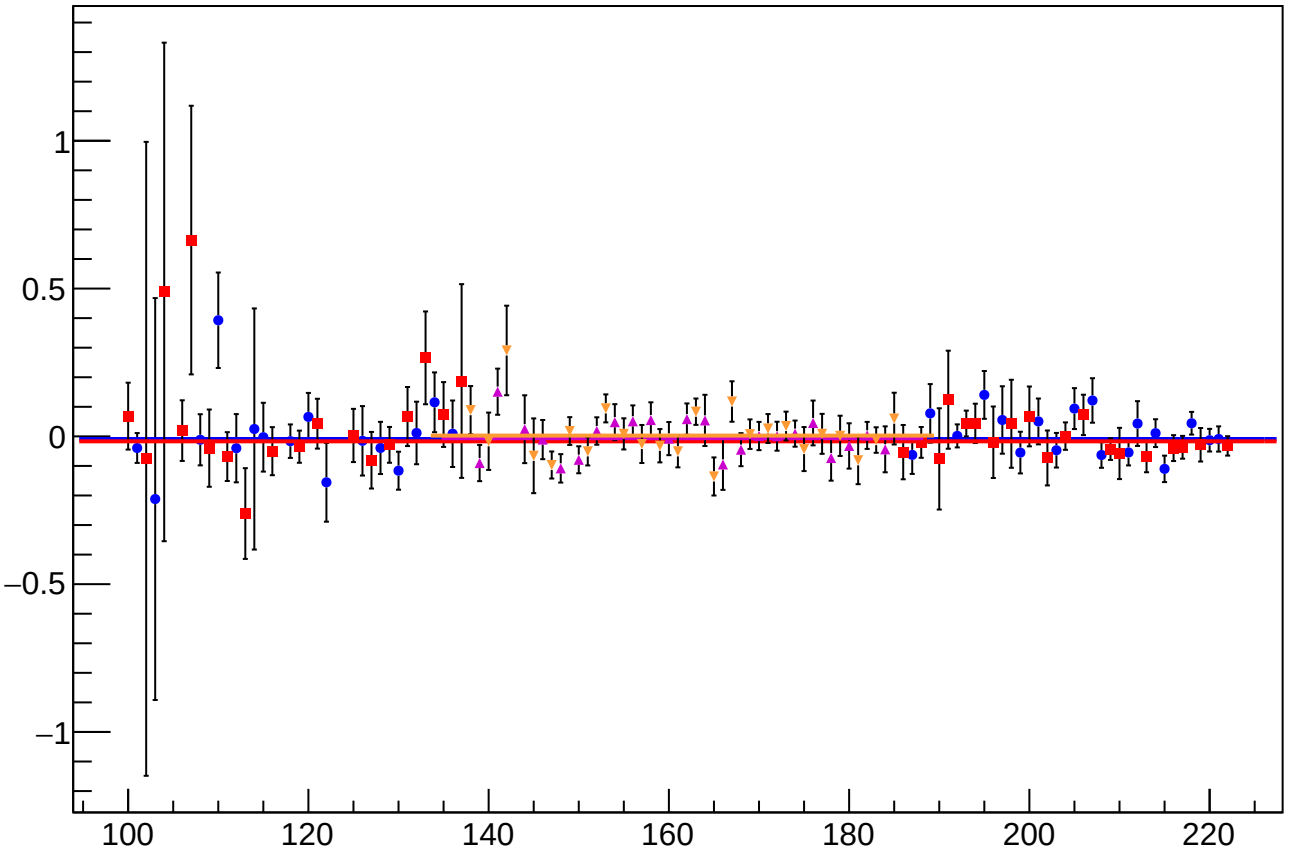
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.000+/-0.000 χ^2/NDF: 31081861.9/70

In: 0.000+/-0.000 χ^2/NDF:34181170.6/56

Out: 0.001+/-0.000 χ^2/NDF:35692540.7/60

All: 0.000+/-0.000 χ^2/NDF: 69964644.4/117



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: -0.017+/-0.011 χ^2/NDF: 22.0/36

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

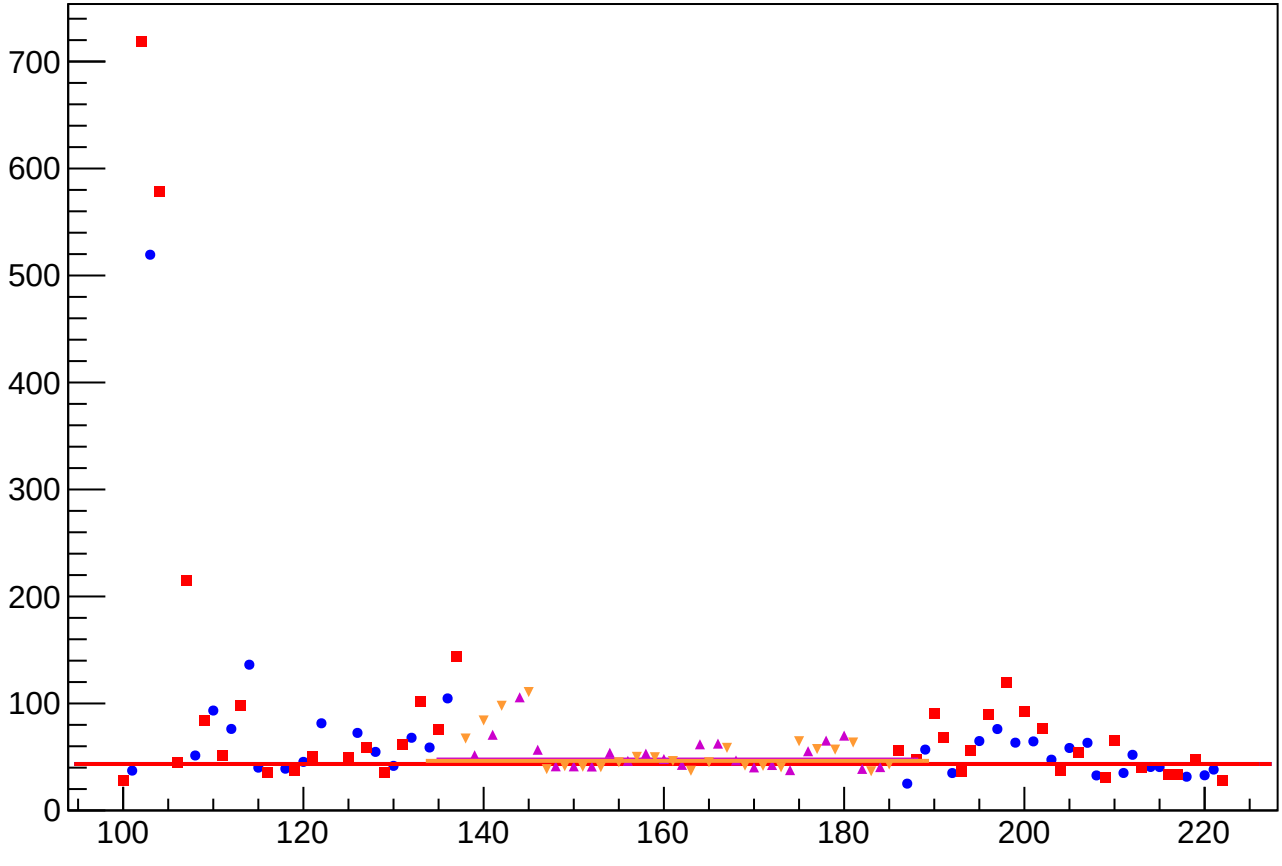
Right: -0.013+/-0.008 χ^2/NDF: 57.7/70

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.008+/-0.008 χ^2/NDF:53.2/60

All: -0.008+/-0.006 χ^2/NDF: 110.4/117

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 43.415+/-0.008 χ^2/NDF: 6290880.4/36

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

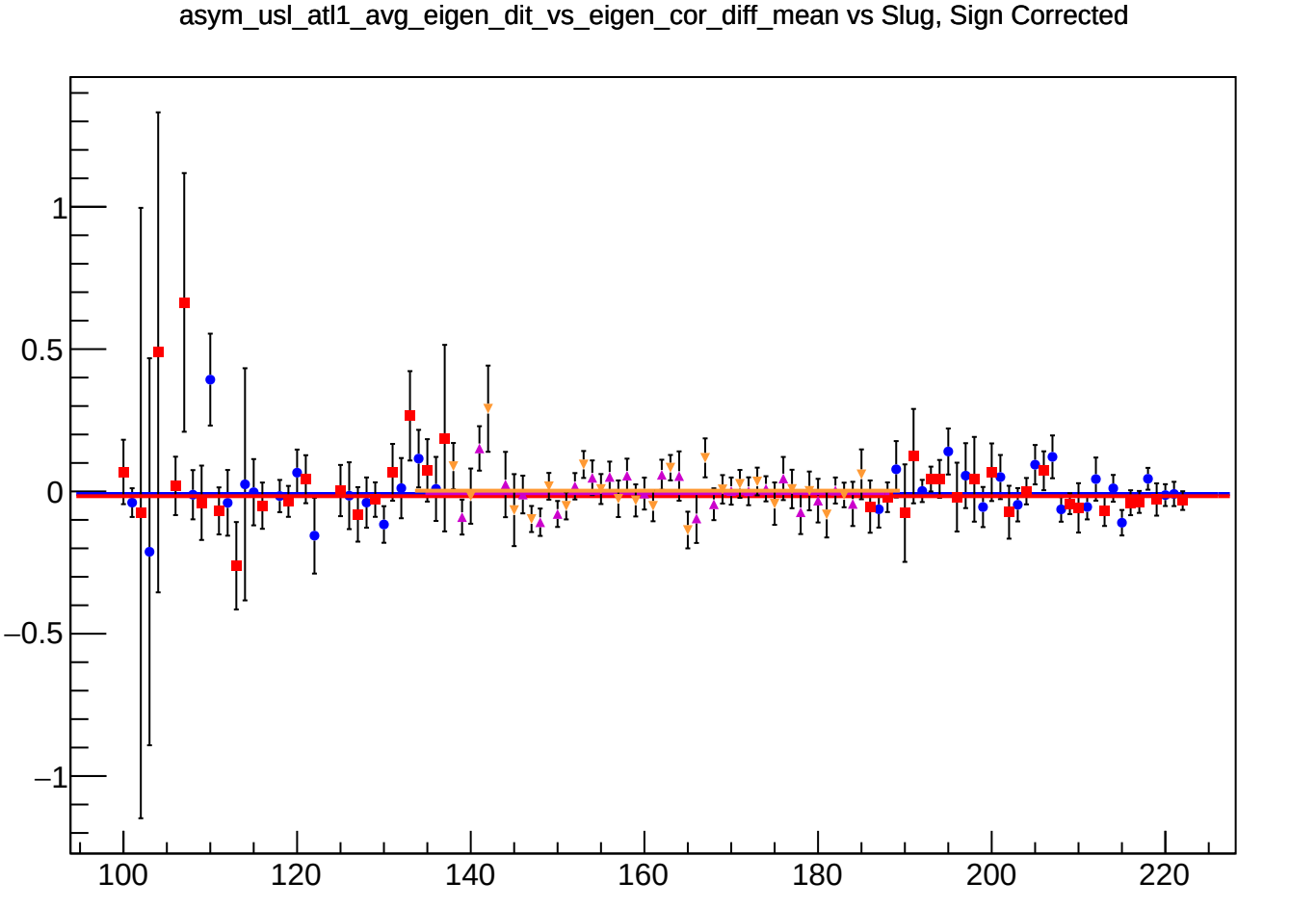
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 43.433+/-0.006 χ^2/NDF: 10614957.3/70

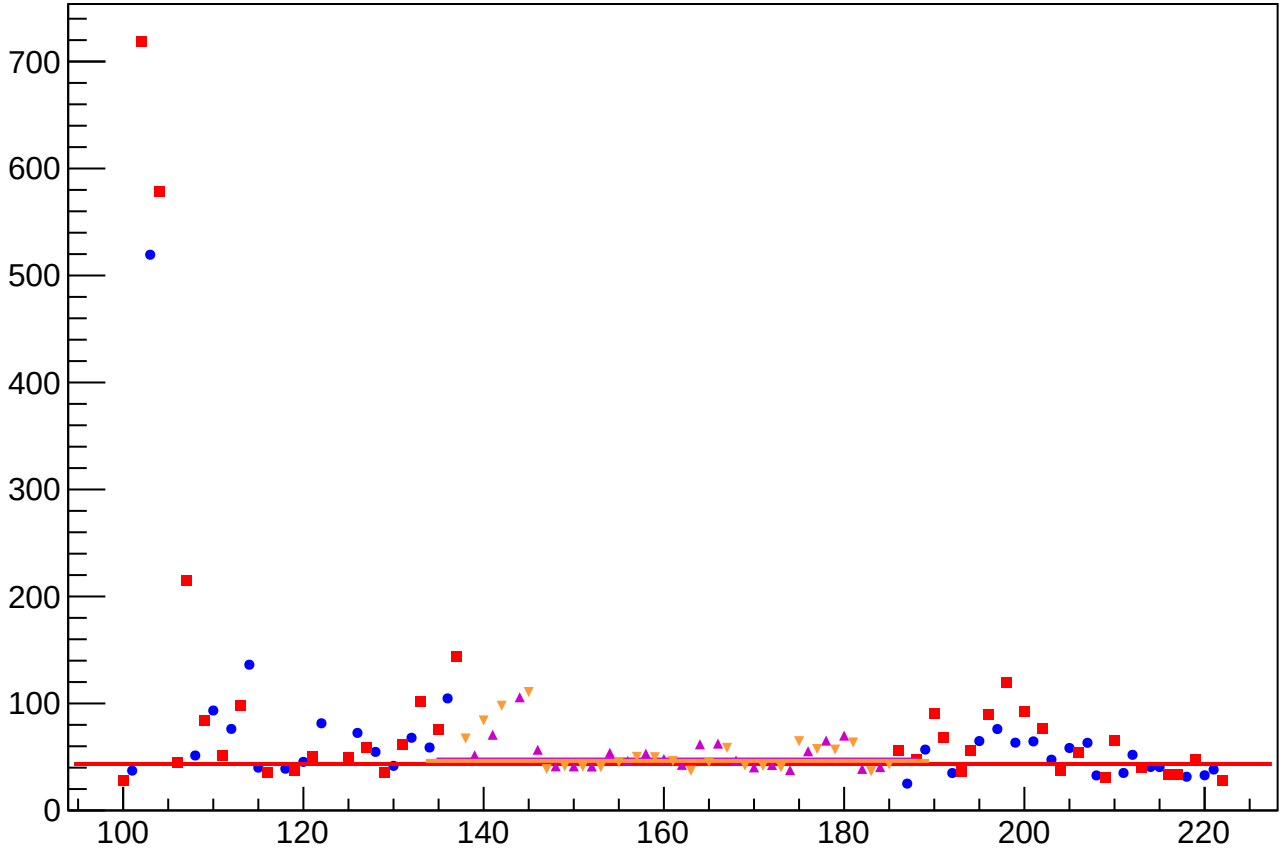
In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 44.813+/-0.006 χ^2/NDF:8322619.7/60

All: 45.061+/-0.004 χ^2/NDF: 14353717.7/117


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.009+/-0.011 χ²/NDF: 35.5/33
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: -0.017+/-0.011 χ²/NDF: 22.0/36
Left In: -0.006+/-0.012 χ²/NDF:21.6/22
Left: -0.002+/-0.008 χ²/NDF: 51.8/46
Right: -0.013+/-0.008 χ²/NDF: 57.7/70
In: -0.008+/-0.008 χ²/NDF:57.2/56
Out: -0.008+/-0.008 χ²/NDF:53.2/60
All: -0.008+/-0.006 χ²/NDF: 110.4/117

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 43.415+/-0.008 χ^2/NDF: 6290880.4/36

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

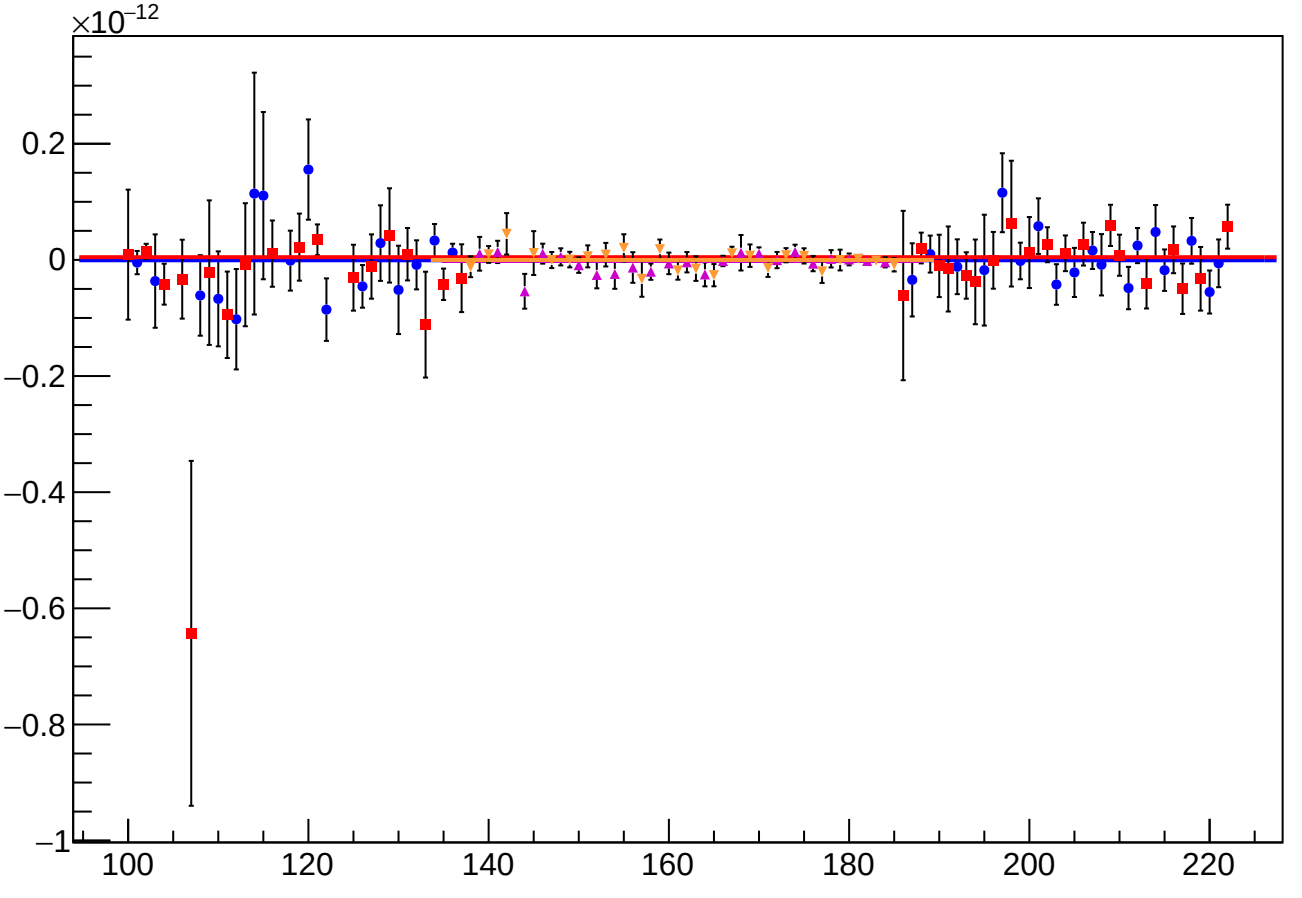
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 43.433+/-0.006 χ^2/NDF: 10614957.3/70

In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 44.813+/-0.006 χ^2/NDF:8322619.7/60

All: 45.061+/-0.004 χ^2/NDF: 14353717.7/117



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/36

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

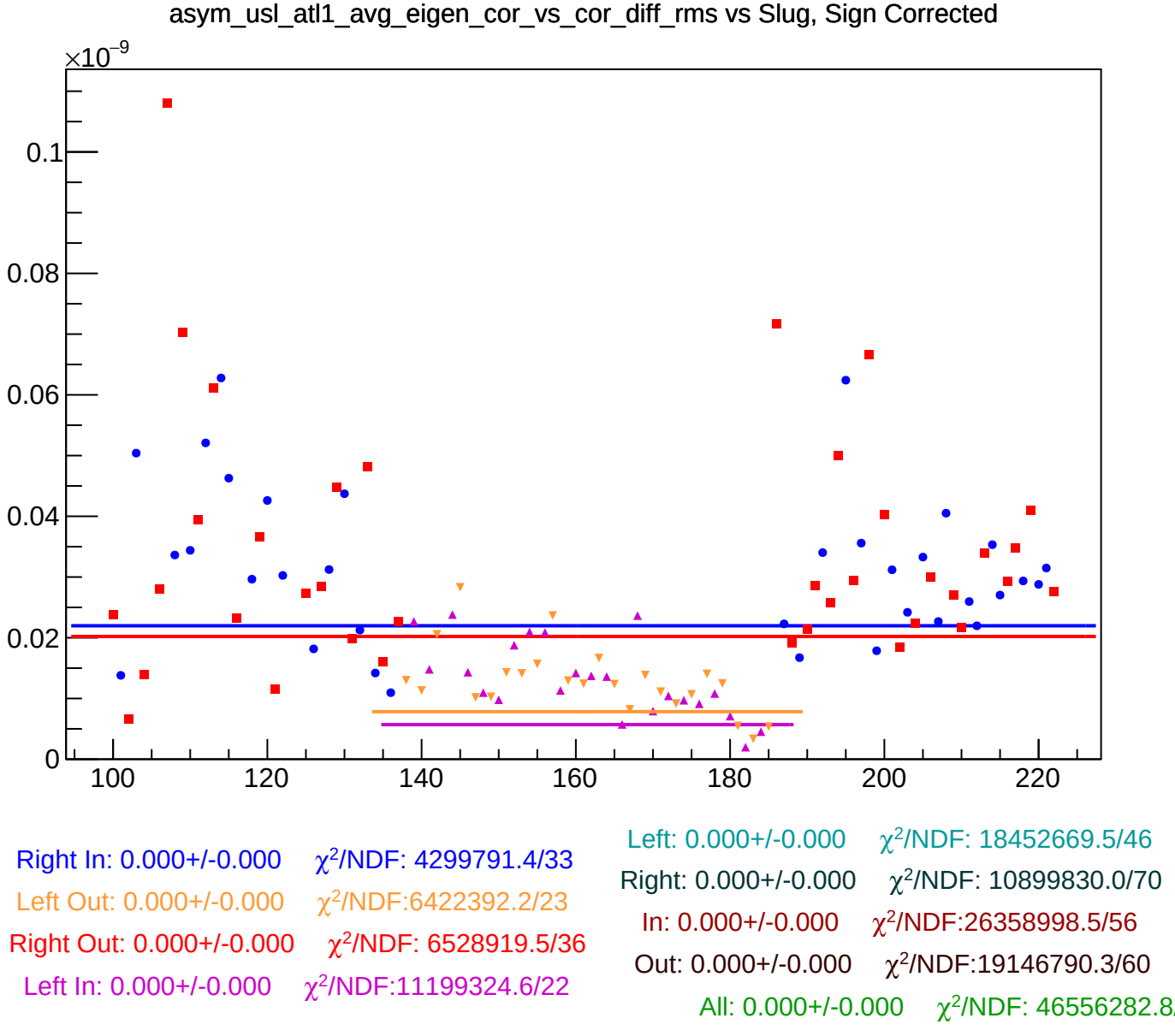
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 54.7/70

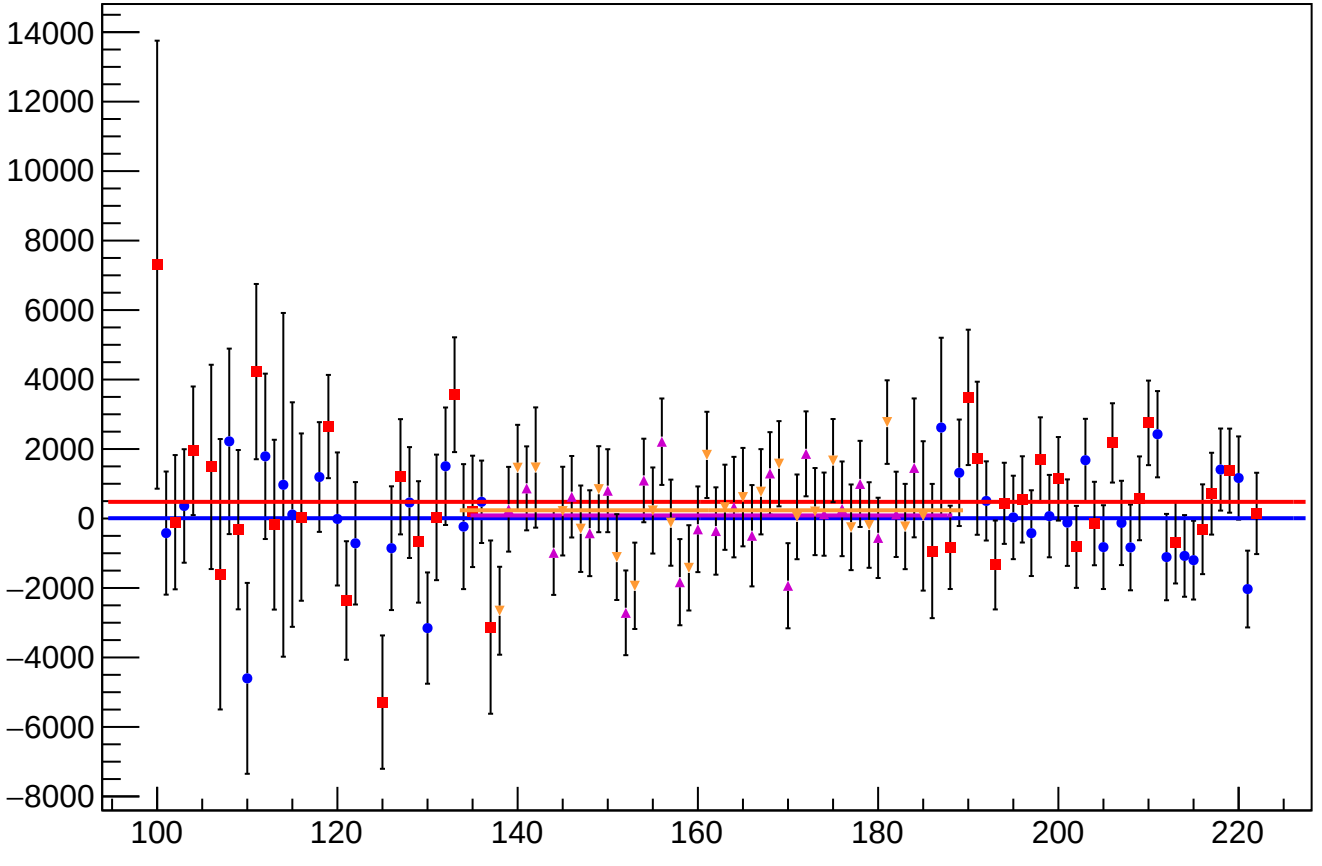
In: -0.000+/-0.000 χ^2/NDF:41.0/56

Out: 0.000+/-0.000 χ^2/NDF:41.1/60

All: -0.000+/-0.000 χ^2/NDF: 82.7/117


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 4299791.4/33
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6528919.5/36
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
Left: 0.000+/-0.000 χ²/NDF: 18452669.5/46
Right: 0.000+/-0.000 χ²/NDF: 10899830.0/70
In: 0.000+/-0.000 χ²/NDF:26358998.5/56
Out: 0.000+/-0.000 χ²/NDF:19146790.3/60
All: 0.000+/-0.000 χ²/NDF: 46556282.8/117

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 8.523+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 479.301+/-248.336 χ^2/NDF: 41.9/36

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

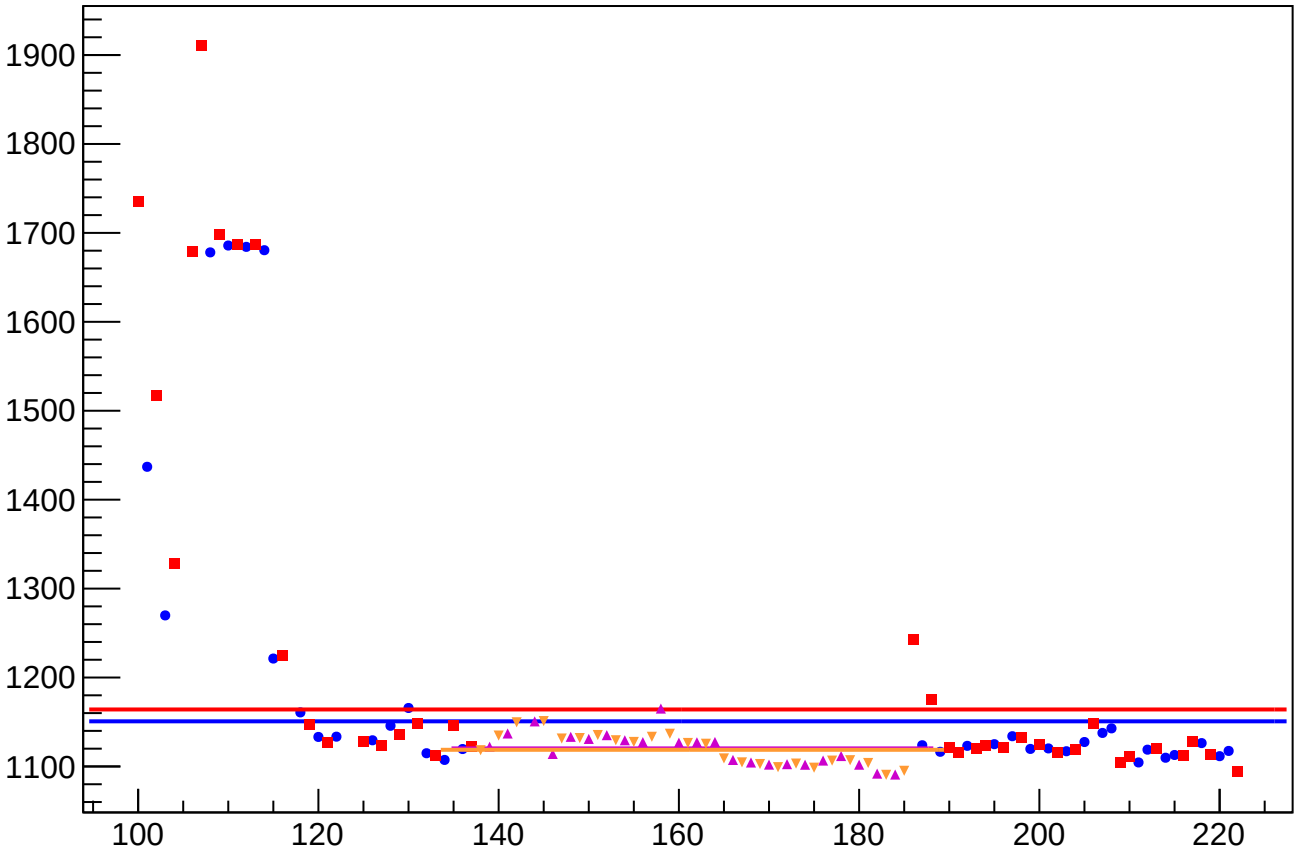
Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

Right: 241.495+/-174.696 χ^2/NDF: 71.1/70

In: 45.967+/-179.132 χ^2/NDF:48.4/56

Out: 363.363+/-179.473 χ^2/NDF:65.0/60

All: 204.364+/-126.786 χ^2/NDF: 115.0/117



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.2/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1164.087+/-0.176 χ^2/NDF: 576242.6/36

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

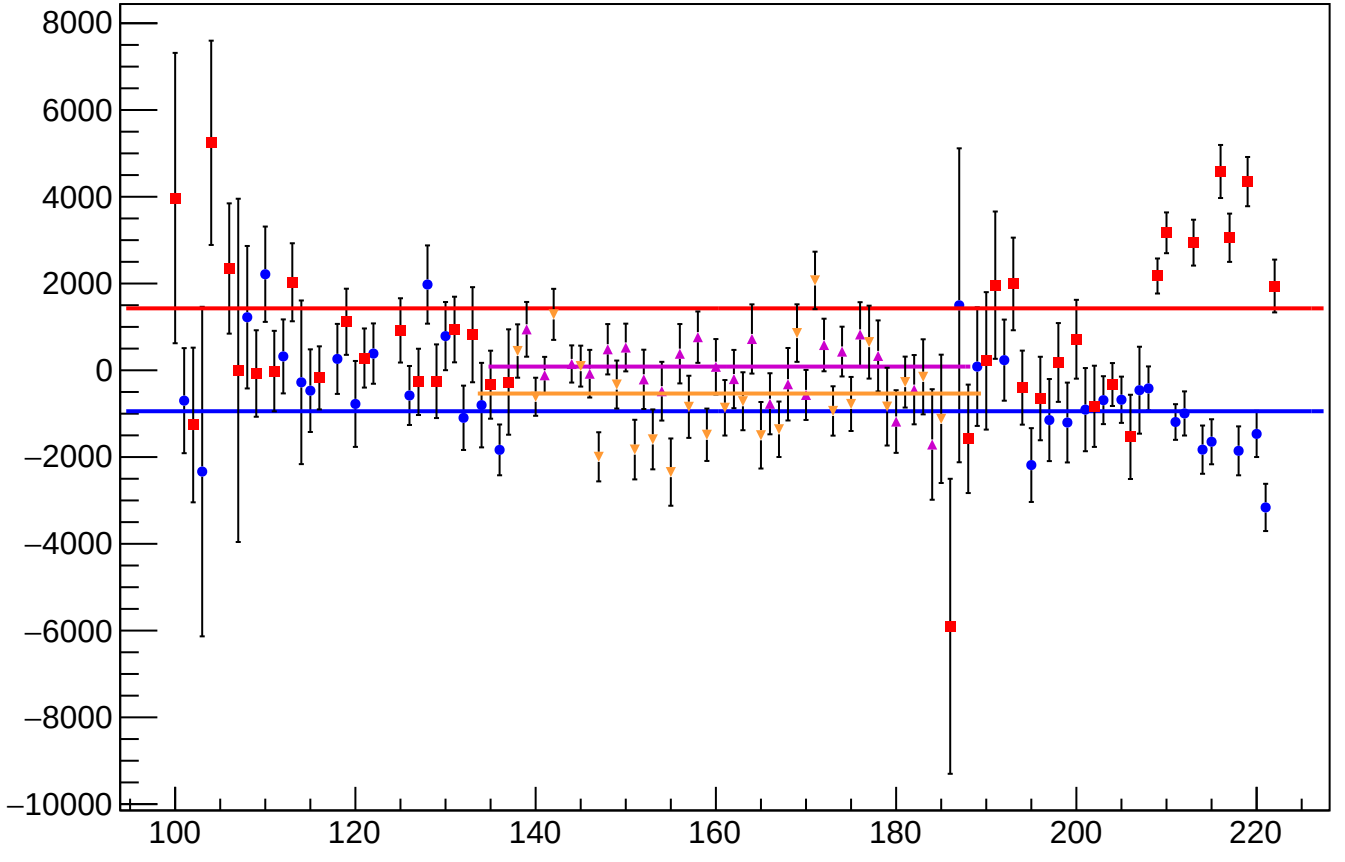
Right: 1157.349+/-0.124 χ^2/NDF: 947053.5/70

In: 1136.475+/-0.127 χ^2/NDF:391757.6/56

Out: 1142.421+/-0.127 χ^2/NDF:616313.6/60

All: 1139.443+/-0.090 χ^2/NDF: 1009170.9/11

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



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: 1427.786+/-129.605 χ^2/NDF: 174.6/36

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

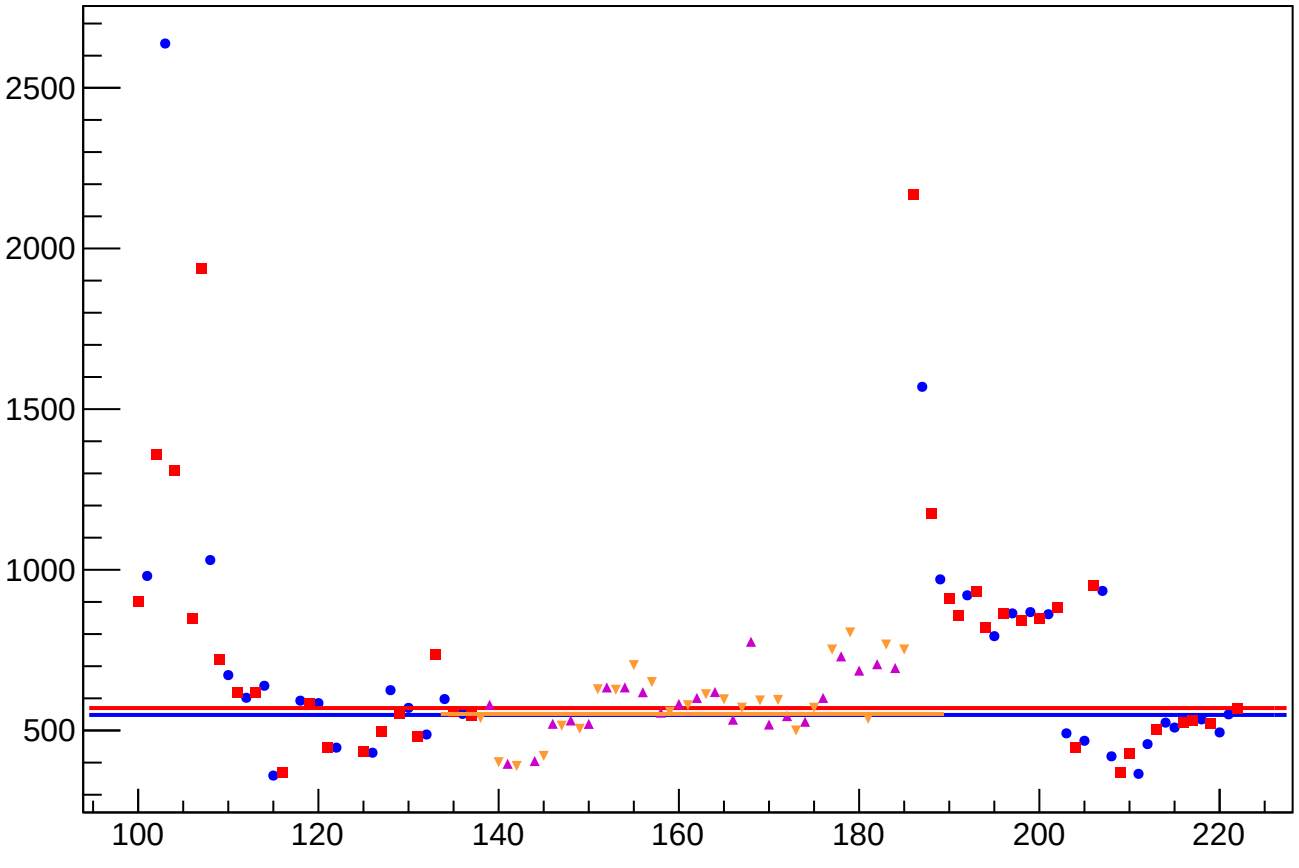
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 188.935+/-89.568 χ^2/NDF: 417.7/70

In: -457.614+/-90.013 χ^2/NDF:117.9/56

Out: 453.799+/-92.010 χ^2/NDF:350.0/60

All: -11.906+/-64.343 χ^2/NDF: 518.1/117



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: 569.792+/-0.092 χ^2/NDF: 4773458.1/36

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

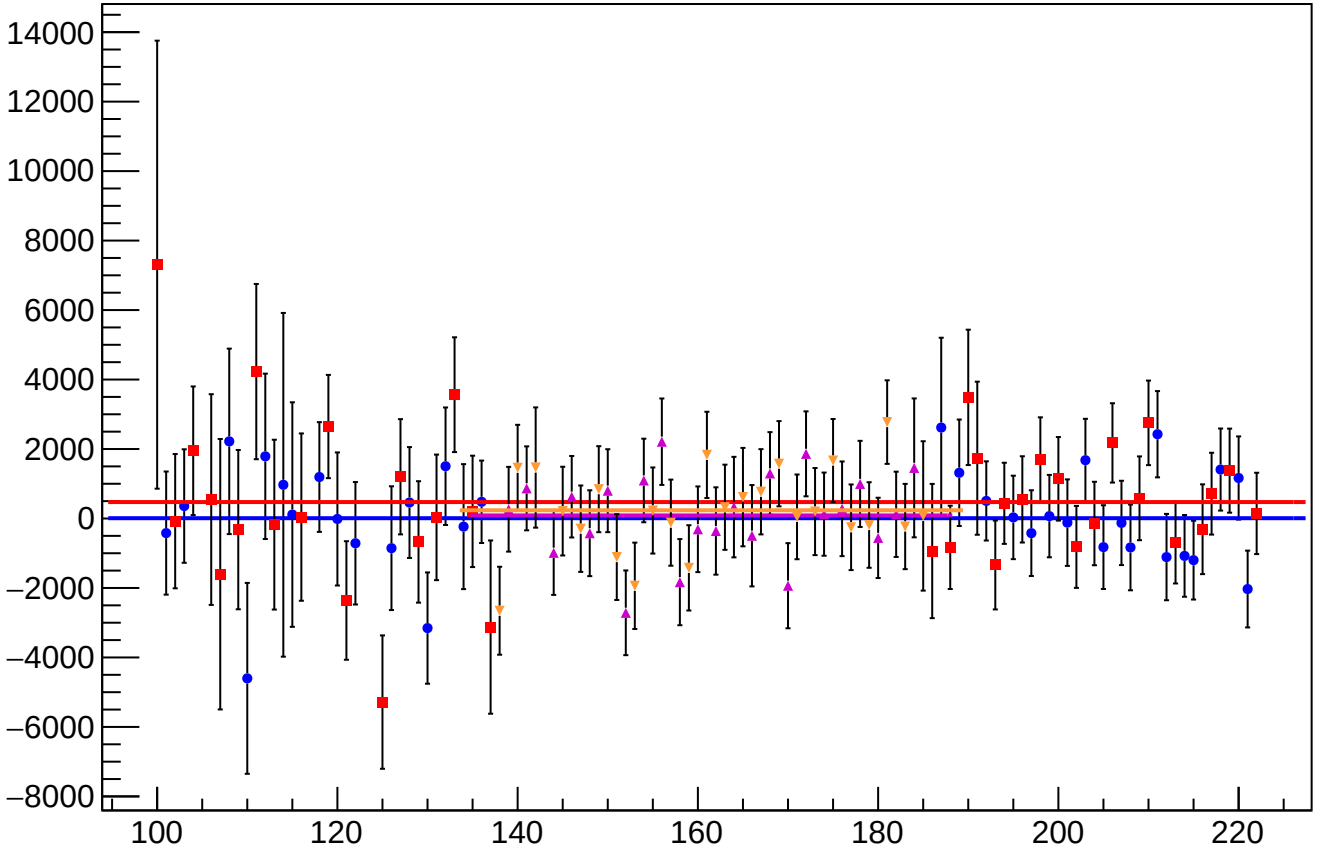
Right: 558.577+/-0.063 χ^2/NDF: 8601429.4/70

In: 549.747+/-0.064 χ^2/NDF:4861628.3/56

Out: 560.689+/-0.065 χ^2/NDF:6019963.7/60

All: 555.098+/-0.045 χ^2/NDF: 10896045.2/1

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: 473.051+/-248.389 χ^2/NDF: 41.7/36

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

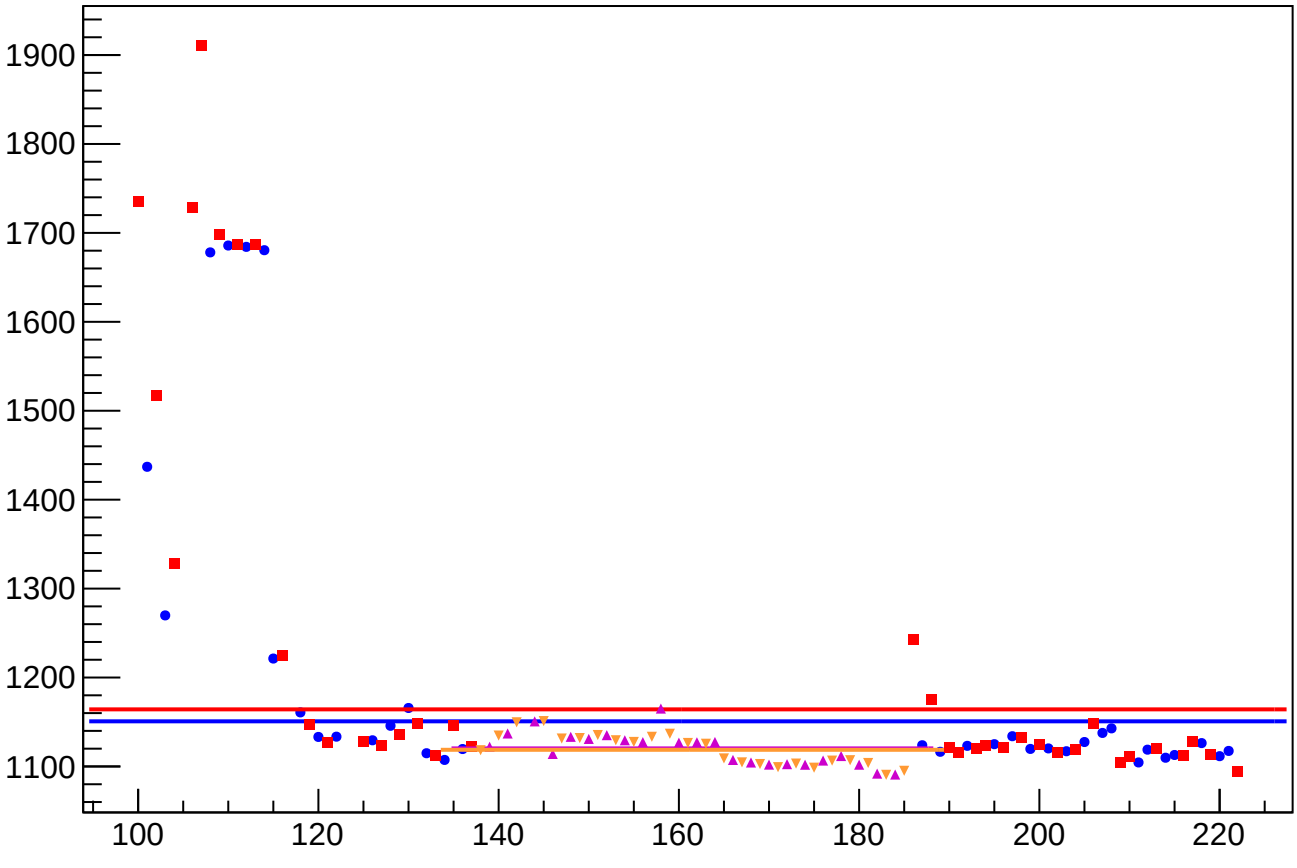
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 238.303+/-174.715 χ^2/NDF: 70.9/70

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 360.093+/-179.493 χ^2/NDF:64.9/60

All: 202.686+/-126.793 χ^2/NDF: 114.8/117



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1164.202+/-0.176 χ^2/NDF: 584295.3/36

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

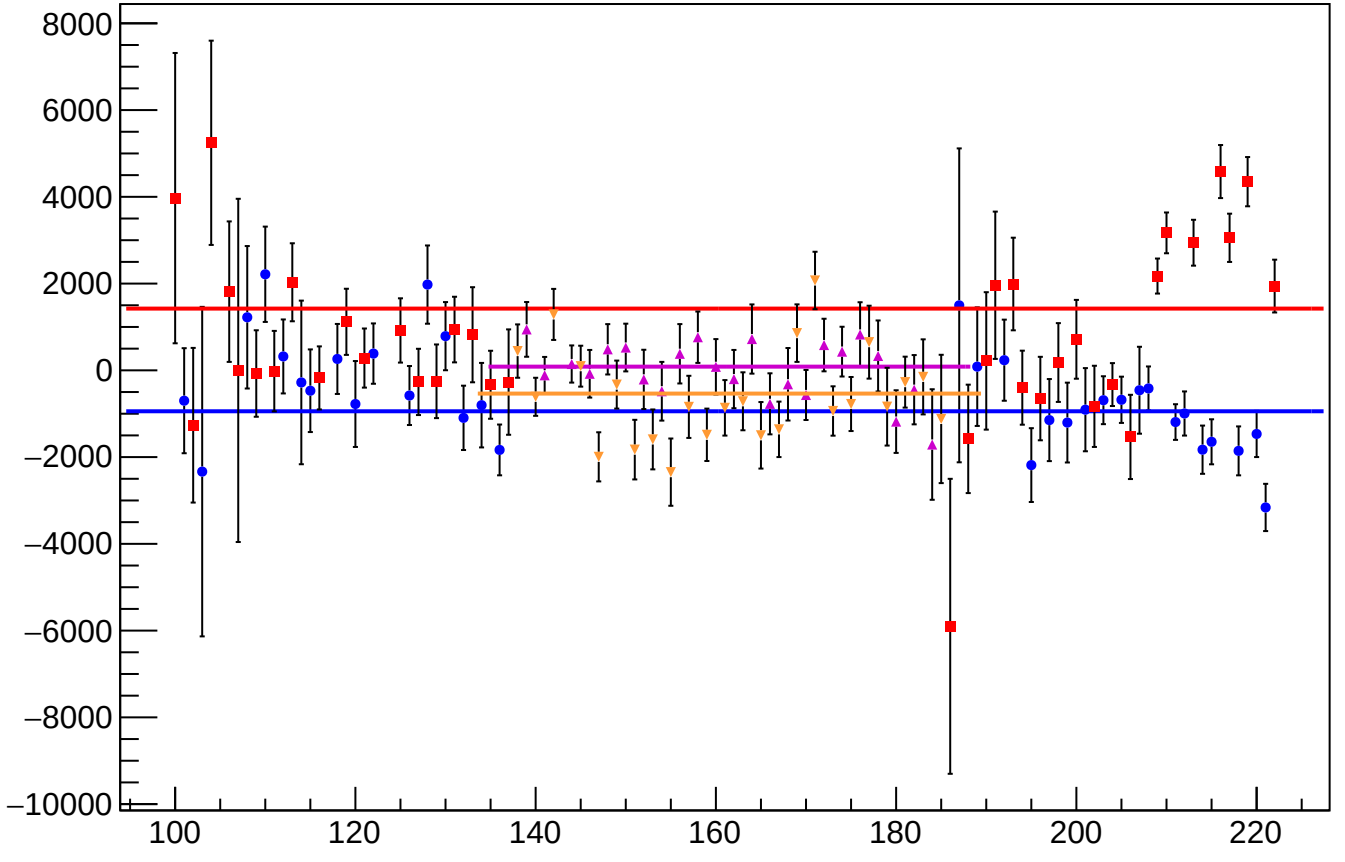
Right: 1157.404+/-0.124 χ^2/NDF: 955156.1/70

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1142.476+/-0.127 χ^2/NDF:624521.4/60

All: 1139.470+/-0.090 χ^2/NDF: 1017399.2/11

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



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: 1423.390+/-129.672 χ^2/NDF: 174.3/36

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

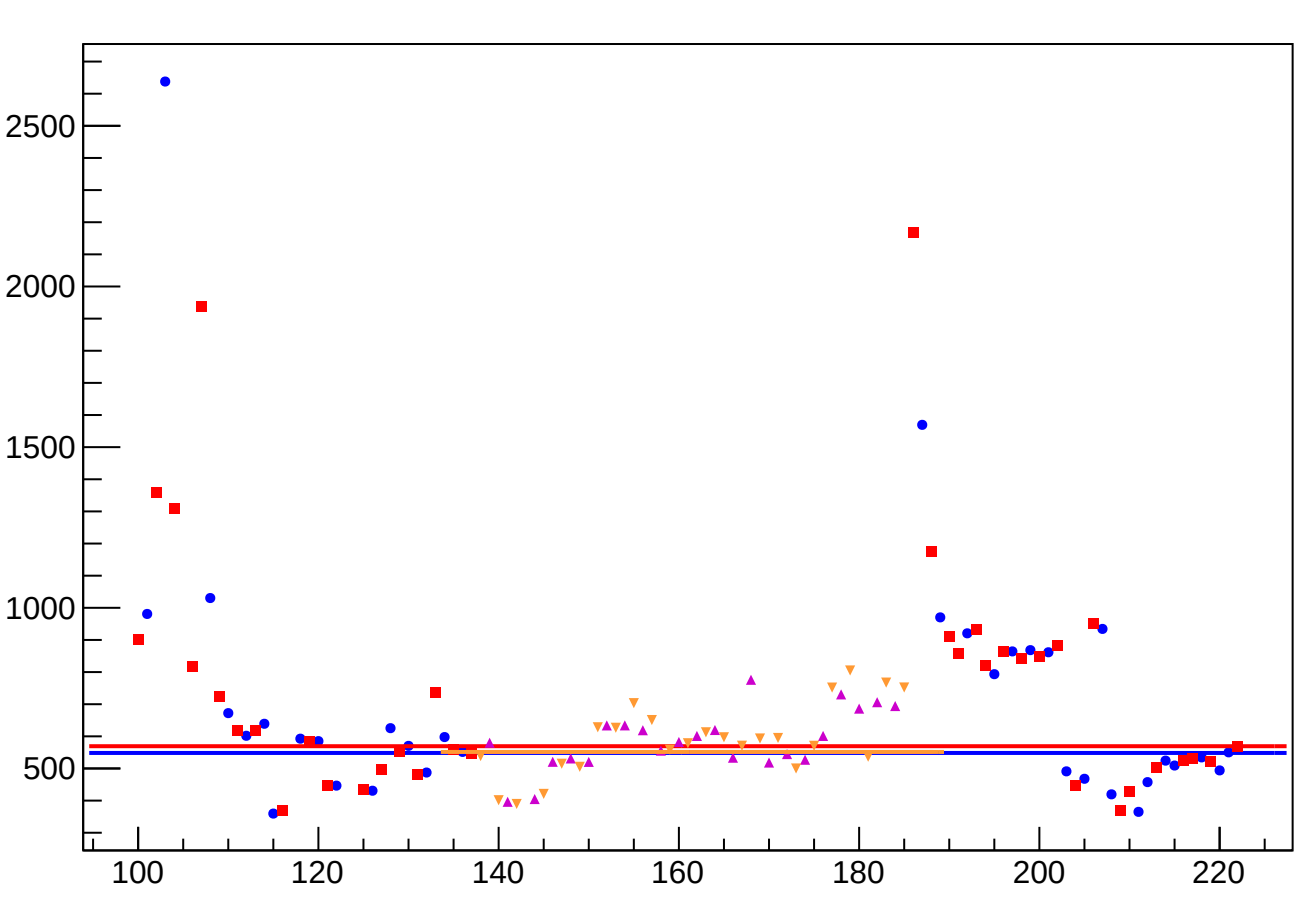
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 186.230+/-89.590 χ^2/NDF: 416.7/70

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 451.063+/-92.034 χ^2/NDF:349.1/60

All: -13.362+/-64.352 χ^2/NDF: 516.9/117



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: 569.297+/-0.092 χ^2/NDF: 4751805.0/36

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

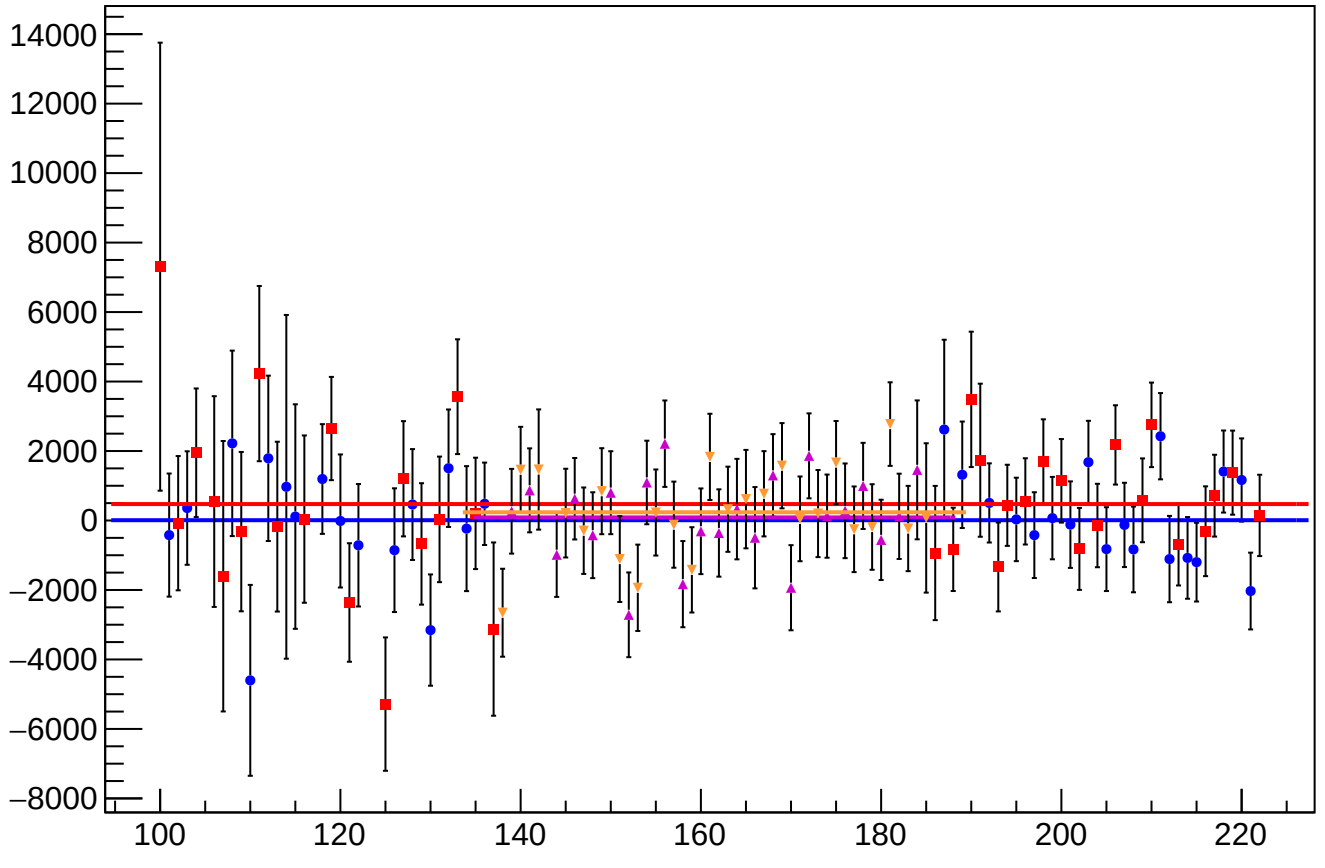
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 558.334+/-0.063 χ^2/NDF: 8578436.6/70

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.435+/-0.065 χ^2/NDF:5997260.3/60

All: 554.972+/-0.046 χ^2/NDF: 10872621.7/11



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: 473.051+/-248.389 χ^2/NDF: 41.7/36

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

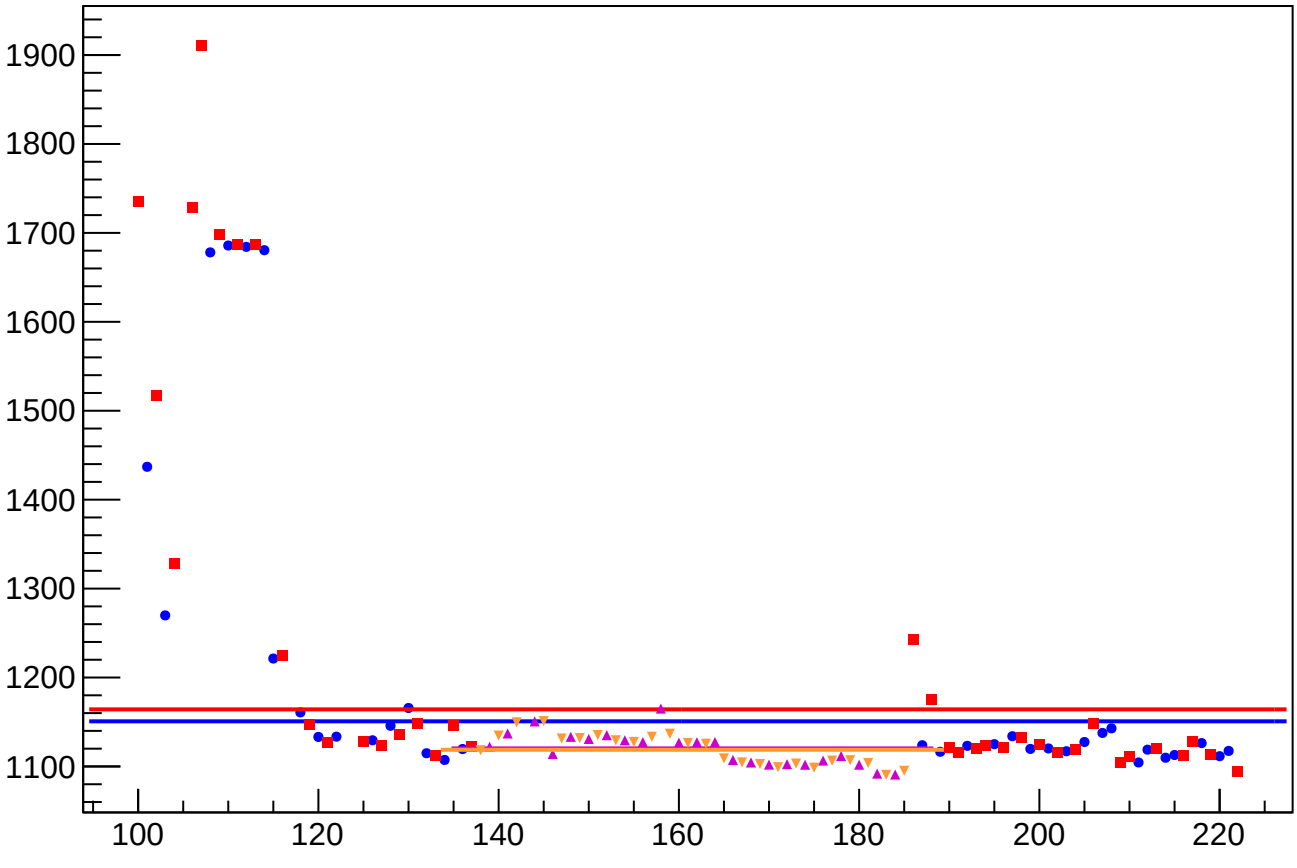
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 238.303+/-174.715 χ^2/NDF: 70.9/70

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 360.093+/-179.493 χ^2/NDF:64.9/60

All: 202.686+/-126.793 χ^2/NDF: 114.8/117



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1164.202+/-0.176 χ^2/NDF: 584295.3/36

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

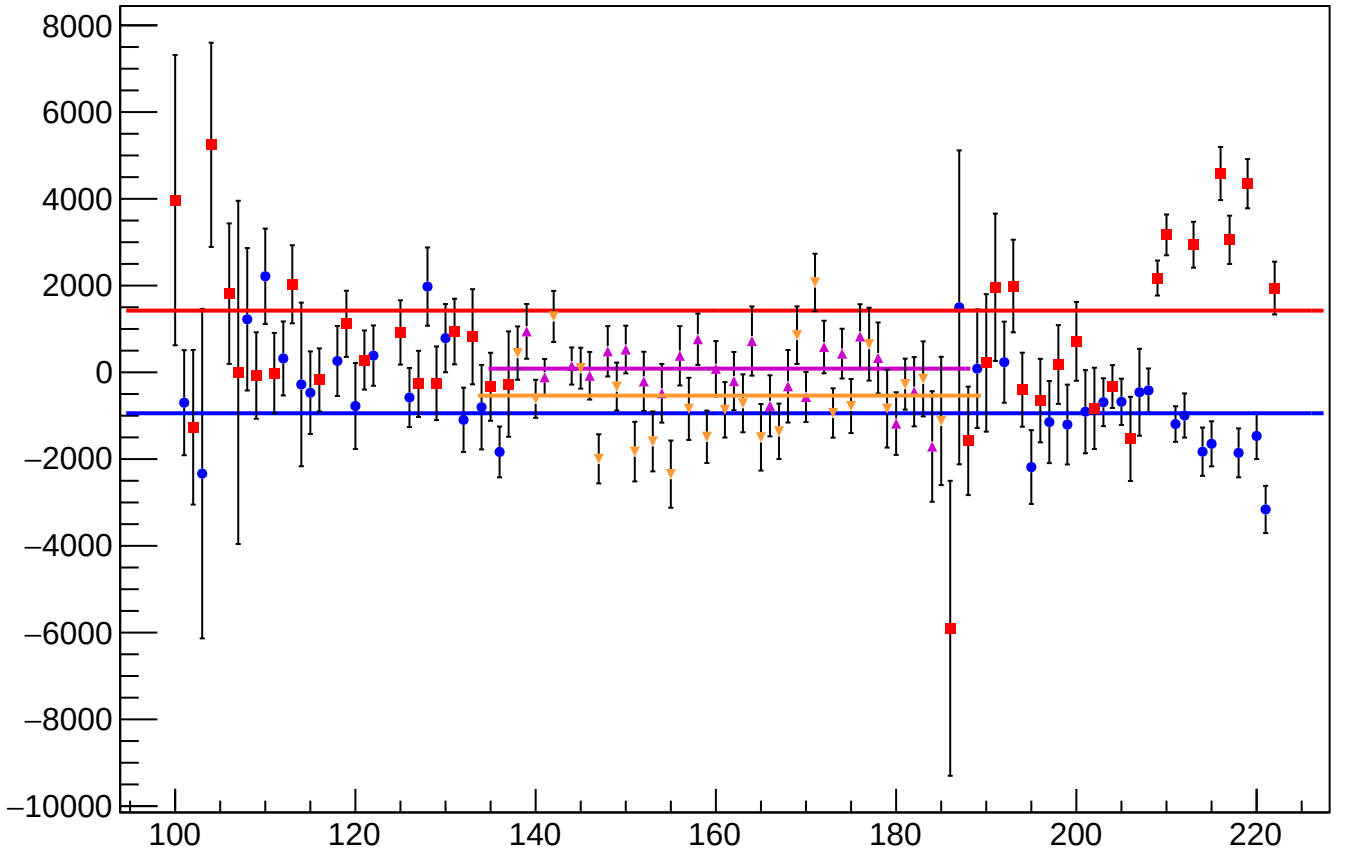
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1157.404+/-0.124 χ^2/NDF: 955156.1/70

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1142.476+/-0.127 χ^2/NDF:624521.4/60

All: 1139.470+/-0.090 χ^2/NDF: 1017399.2/11



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: 1423.390+/-129.672 χ^2/NDF: 174.3/36

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

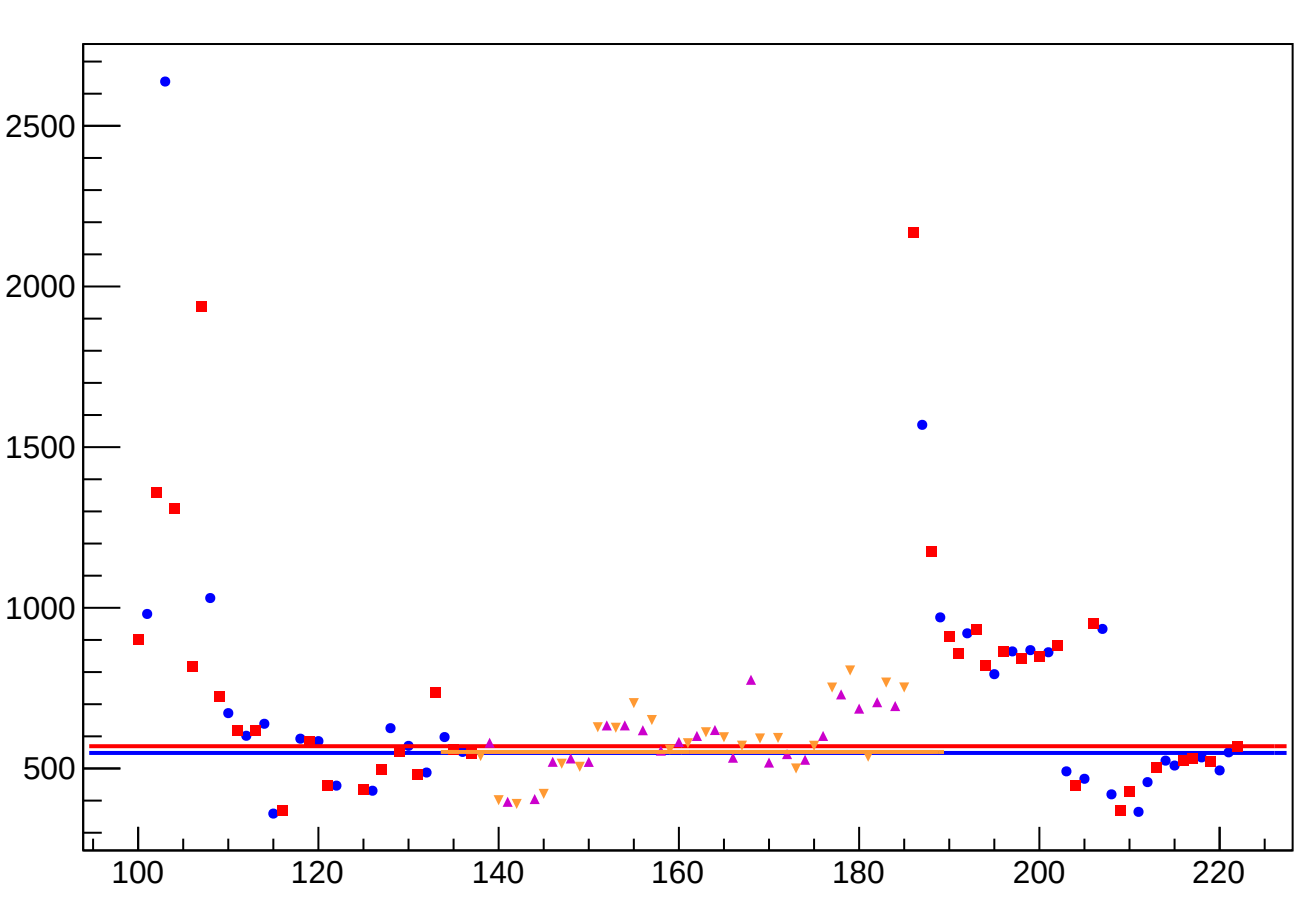
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 186.230+/-89.590 χ^2/NDF: 416.7/70

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 451.063+/-92.034 χ^2/NDF:349.1/60

All: -13.362+/-64.352 χ^2/NDF: 516.9/117



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: 569.297+/-0.092 χ^2/NDF: 4751805.0/36

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

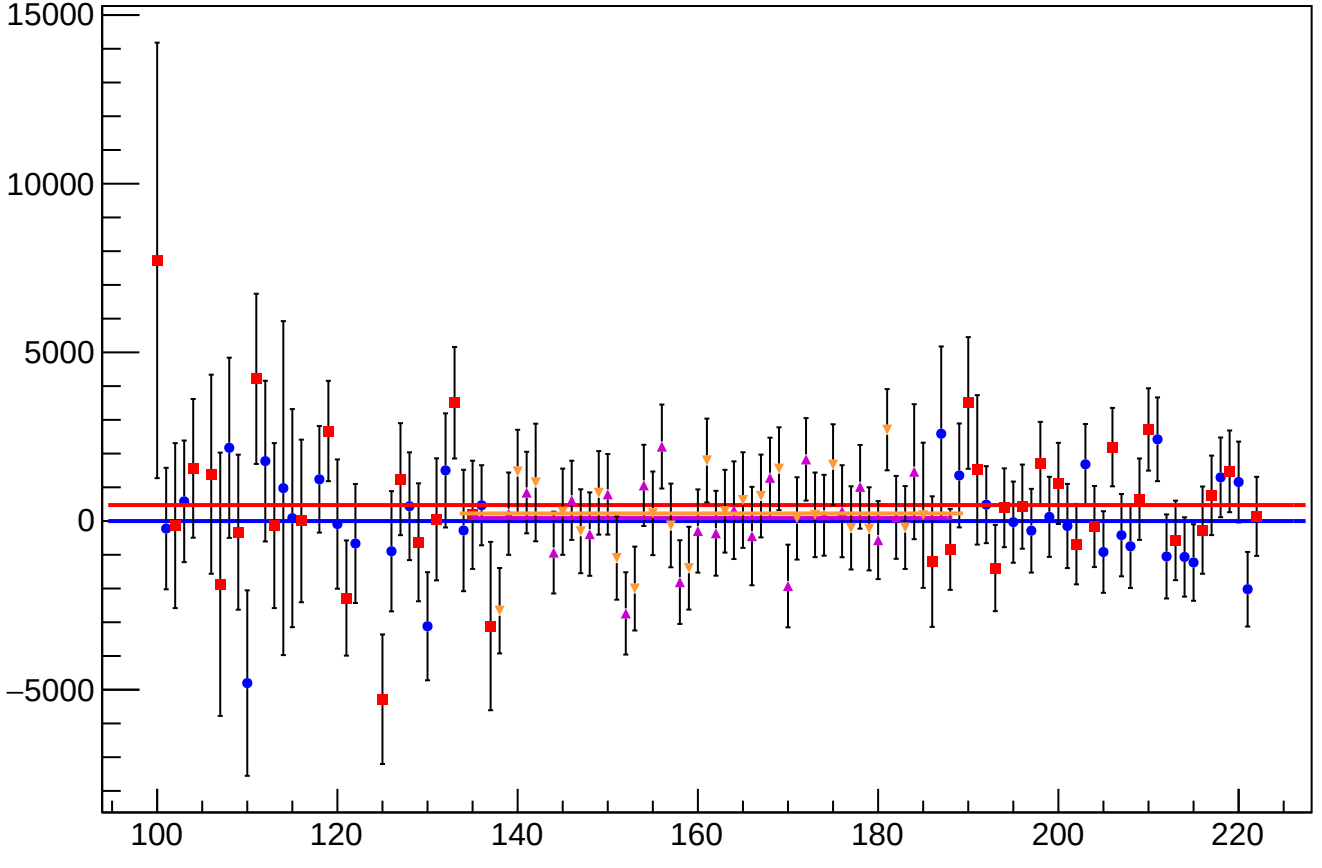
Right: 558.334+/-0.063 χ^2/NDF: 8578436.6/70

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.435+/-0.065 χ^2/NDF:5997260.3/60

All: 554.972+/-0.046 χ^2/NDF: 10872621.7/11

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: 474.104+/-250.129 χ^2/NDF: 41.1/36

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

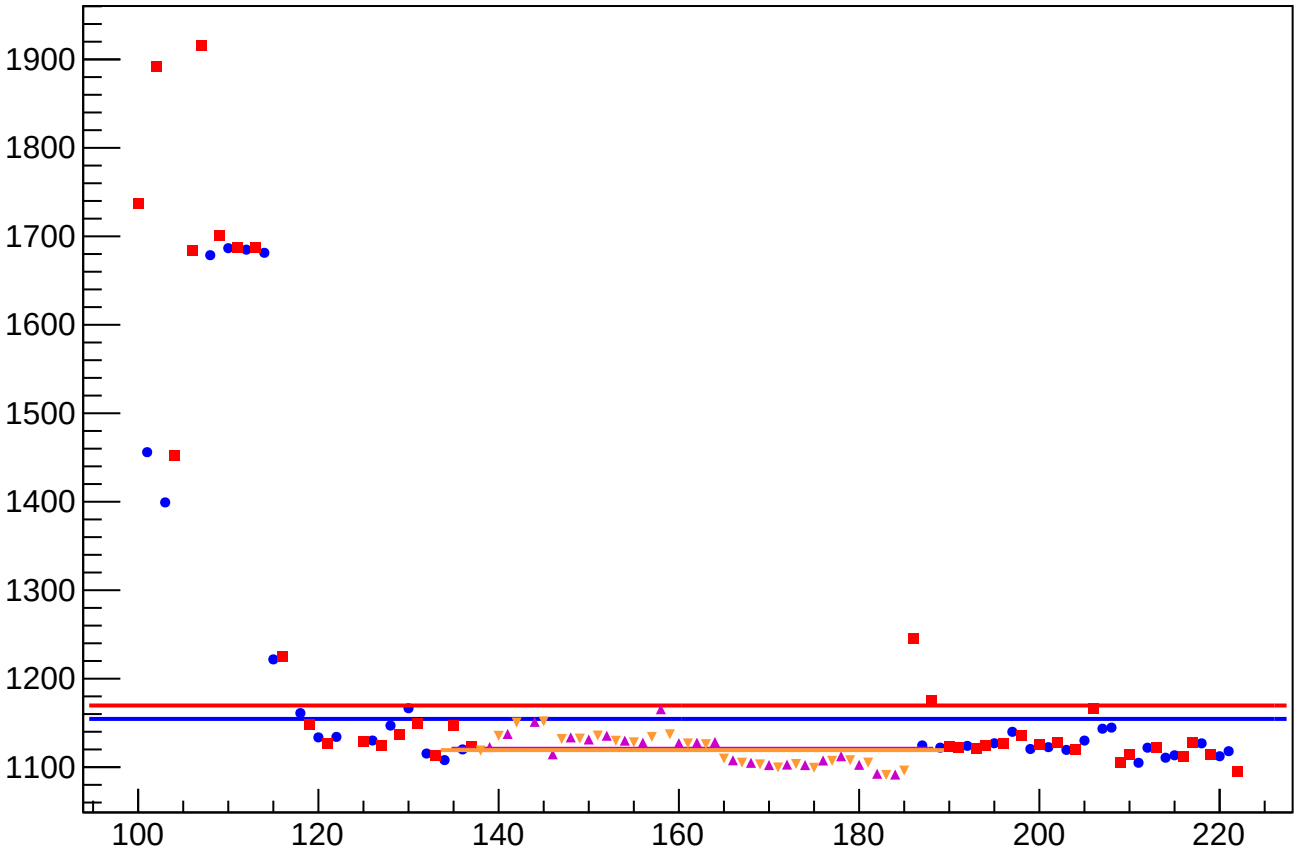
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 233.721+/-175.651 χ^2/NDF: 70.3/70

In: 41.831+/-179.526 χ^2/NDF:48.0/56

Out: 354.607+/-180.200 χ^2/NDF:63.8/60

All: 197.633+/-127.182 χ^2/NDF: 113.3/117



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.9/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1169.686+/-0.177 χ^2/NDF: 707721.9/36

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

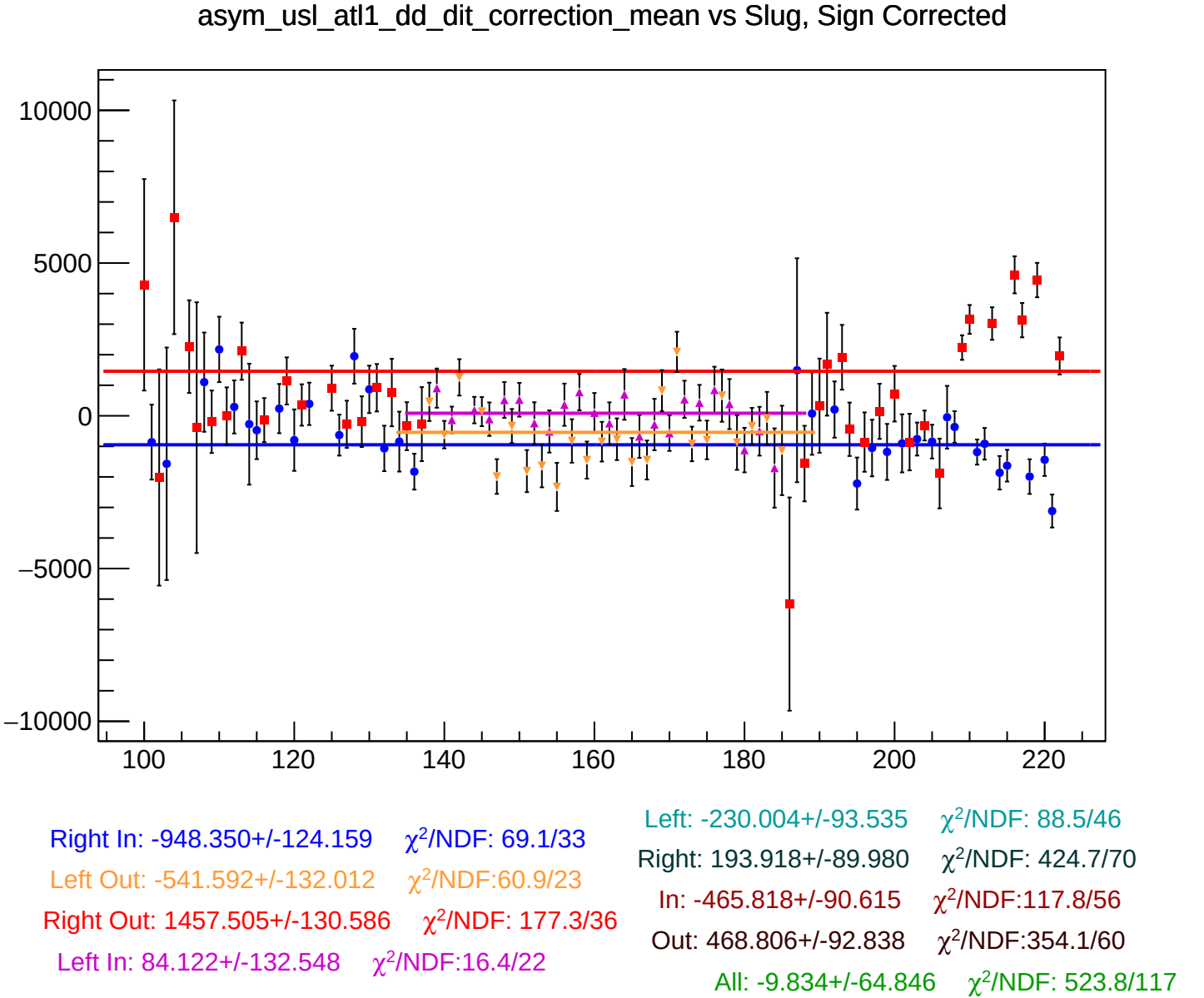
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

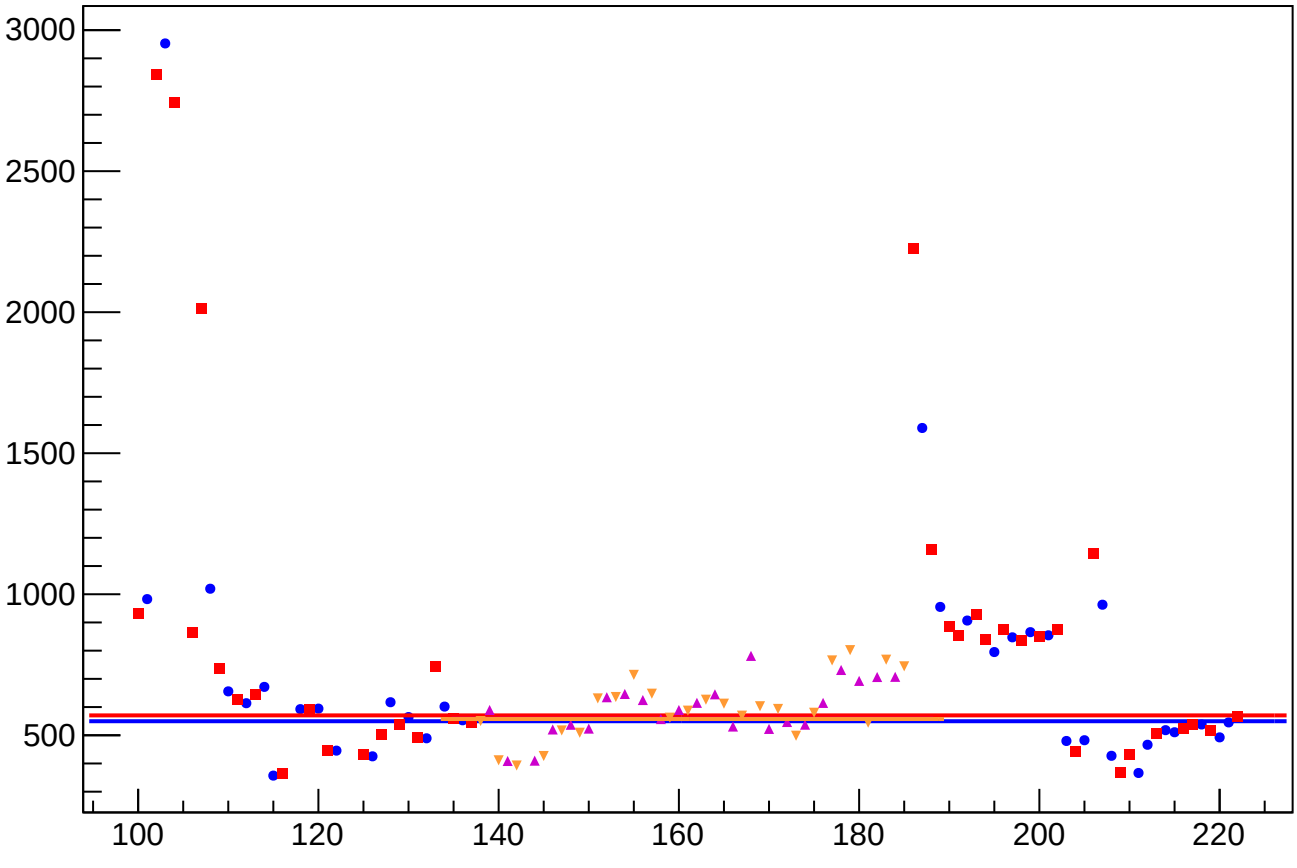
Right: 1161.998+/-0.124 χ^2/NDF: 1109674.7/70

In: 1138.652+/-0.127 χ^2/NDF:425226.8/56

Out: 1145.431+/-0.127 χ^2/NDF:754964.8/60

All: 1142.029+/-0.090 χ^2/NDF: 1181611.9/11


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -948.350+/-124.159 χ²/NDF: 69.1/33
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: 1457.505+/-130.586 χ²/NDF: 177.3/36
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 193.918+/-89.980 χ²/NDF: 424.7/70
In: -465.818+/-90.615 χ²/NDF:117.8/56
Out: 468.806+/-92.838 χ²/NDF:354.1/60
All: -9.834+/-64.846 χ²/NDF: 523.8/117



Right In: 549.808+/-0.088 χ^2/NDF: 3934864.7/33

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.486+/-0.092 χ^2/NDF: 5888395.1/36

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

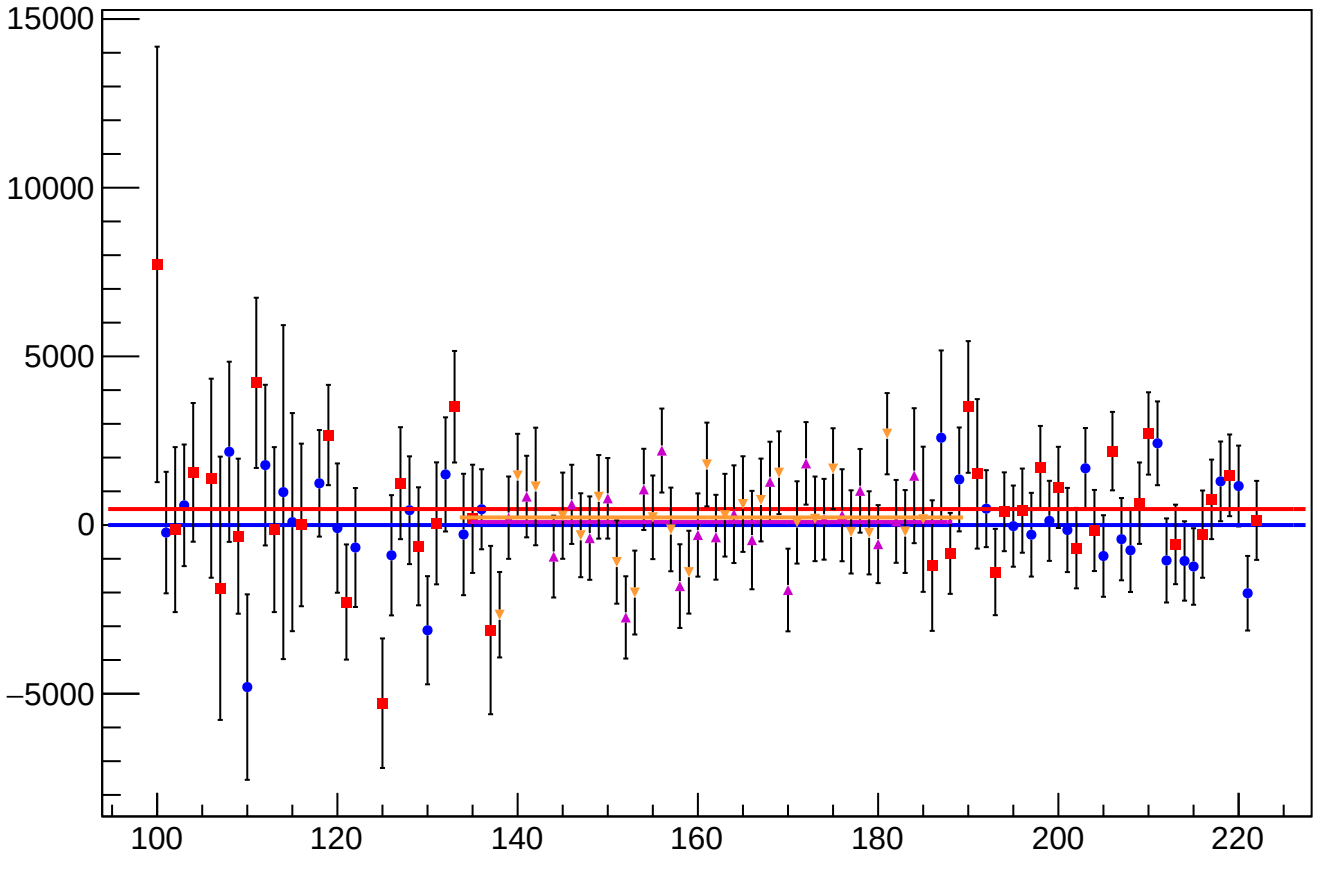
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 559.626+/-0.064 χ^2/NDF: 9849597.5/70

In: 553.820+/-0.064 χ^2/NDF:4967147.8/56

Out: 564.109+/-0.066 χ^2/NDF:7091309.2/60

All: 558.840+/-0.046 χ^2/NDF: 12071036.1/11



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: 474.103+/-250.129 χ^2/NDF: 41.1/36

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

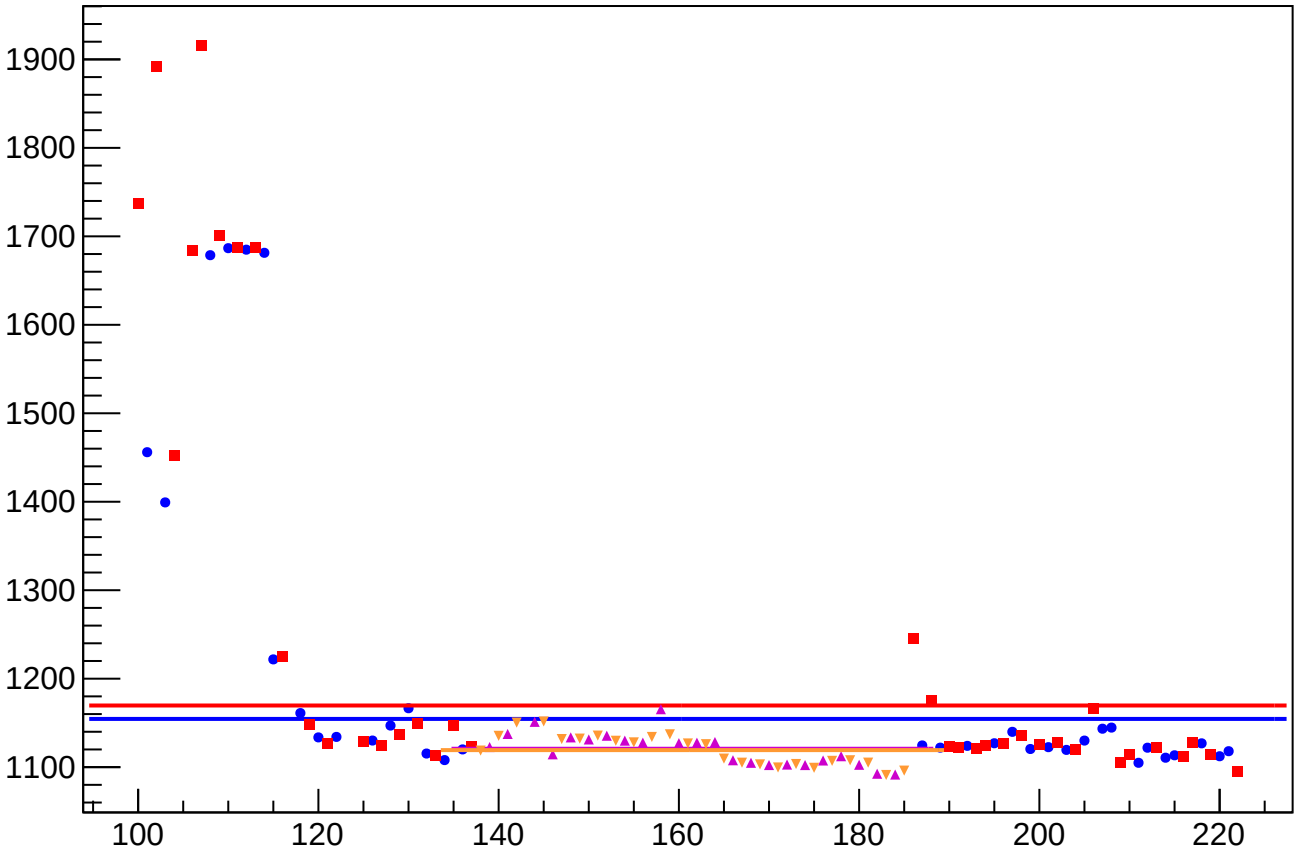
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 233.721+/-175.651 χ^2/NDF: 70.3/70

In: 41.832+/-179.526 χ^2/NDF:48.0/56

Out: 354.606+/-180.200 χ^2/NDF:63.8/60

All: 197.633+/-127.182 χ^2/NDF: 113.3/117



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.4/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1169.686+/-0.177 χ^2/NDF: 707721.1/36

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

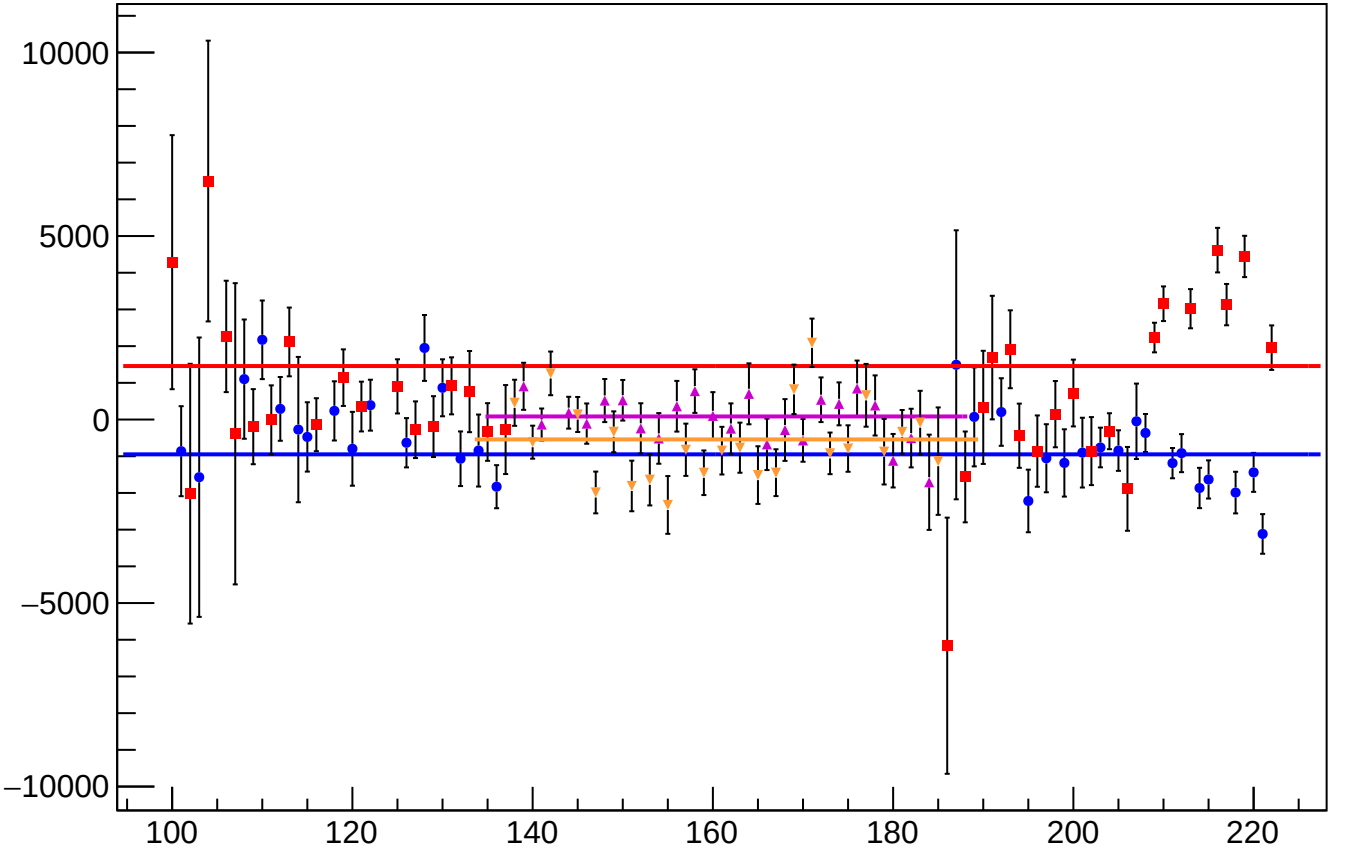
Right: 1161.998+/-0.124 χ^2/NDF: 1109673.4/70

In: 1138.652+/-0.127 χ^2/NDF:425226.2/56

Out: 1145.431+/-0.127 χ^2/NDF:754964.1/60

All: 1142.029+/-0.090 χ^2/NDF: 1181610.6/11

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1457.506+/-130.586 χ^2/NDF: 177.3/36

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

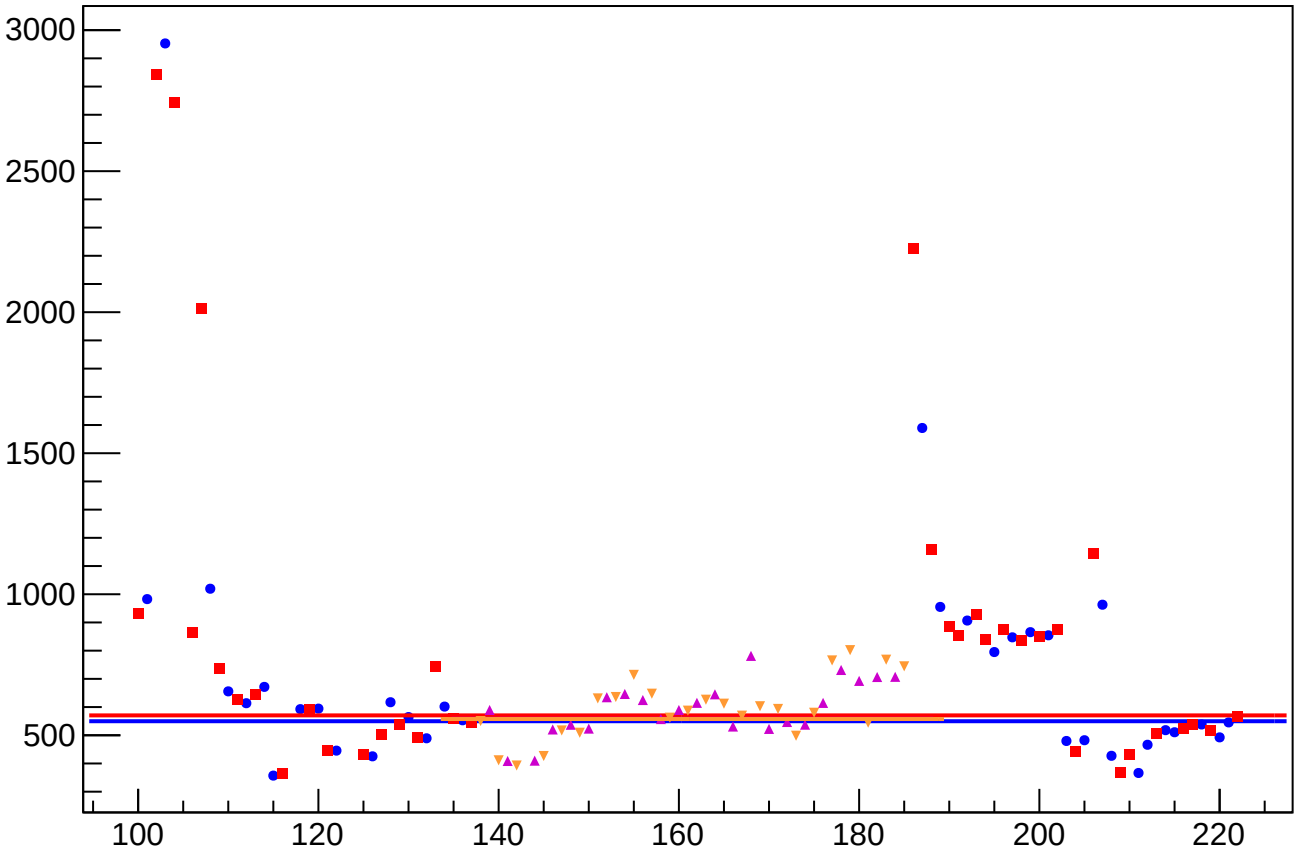
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

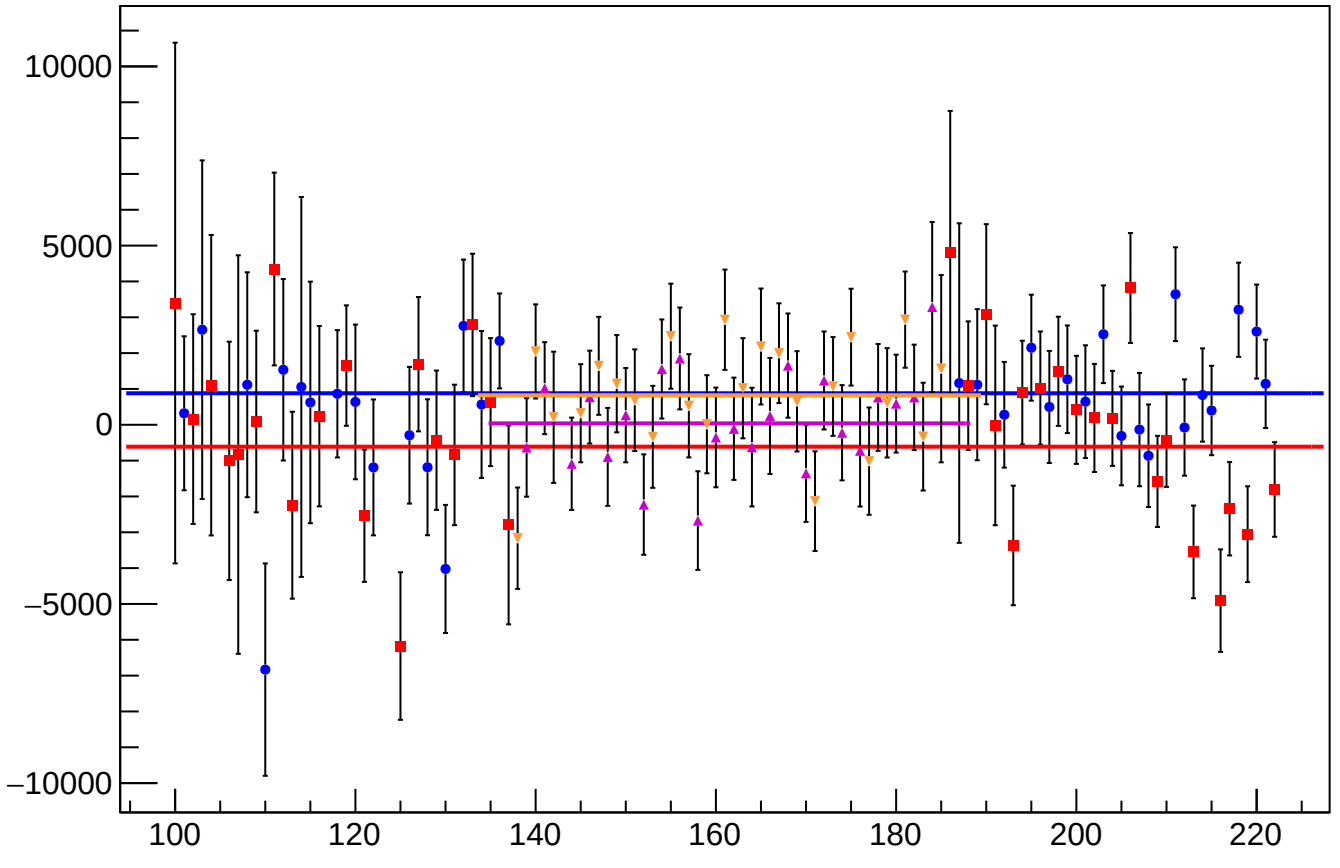
Right: 193.918+/-89.980 χ^2/NDF: 424.7/70

In: -465.817+/-90.614 χ^2/NDF:117.8/56

Out: 468.806+/-92.838 χ^2/NDF:354.1/60

All: -9.833+/-64.846 χ^2/NDF: 523.8/117


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 549.808+/-0.088 χ²/NDF: 3934867.9/33
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 570.486+/-0.092 χ²/NDF: 5888403.6/36
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 559.625+/-0.064 χ²/NDF: 9849609.3/70
In: 553.820+/-0.064 χ²/NDF:4967165.4/56
Out: 564.108+/-0.066 χ²/NDF:7091339.1/60
All: 558.839+/-0.046 χ²/NDF: 12071083.5/11



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: -611.590+/-294.609 χ^2/NDF: 62.3/36

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

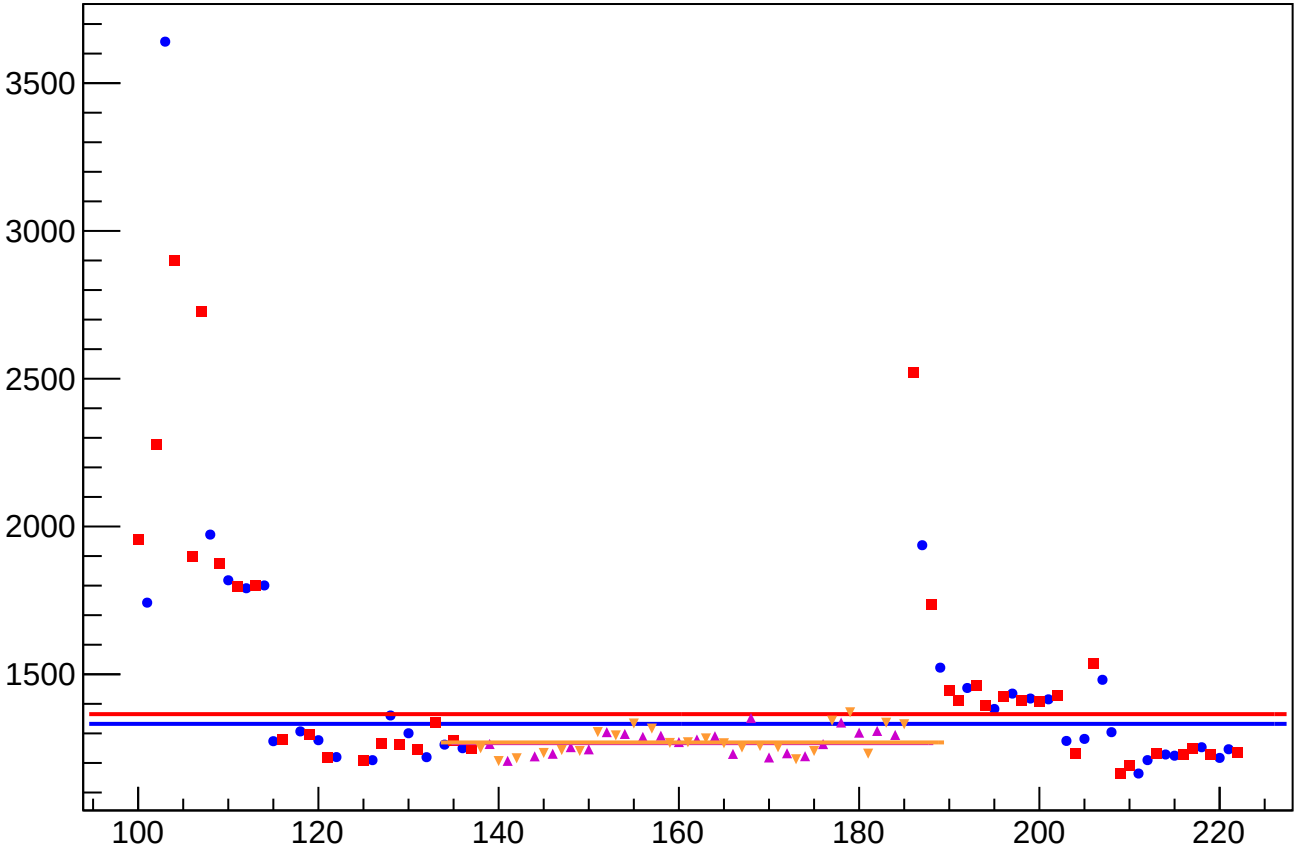
Right: 153.031+/-205.653 χ^2/NDF: 110.2/70

In: 472.377+/-206.127 χ^2/NDF:56.8/56

Out: 105.313+/-208.400 χ^2/NDF:100.3/60

All: 290.858+/-146.551 χ^2/NDF: 158.7/117

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: 1365.187+/-0.208 χ^2/NDF: 1395088.5/36

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

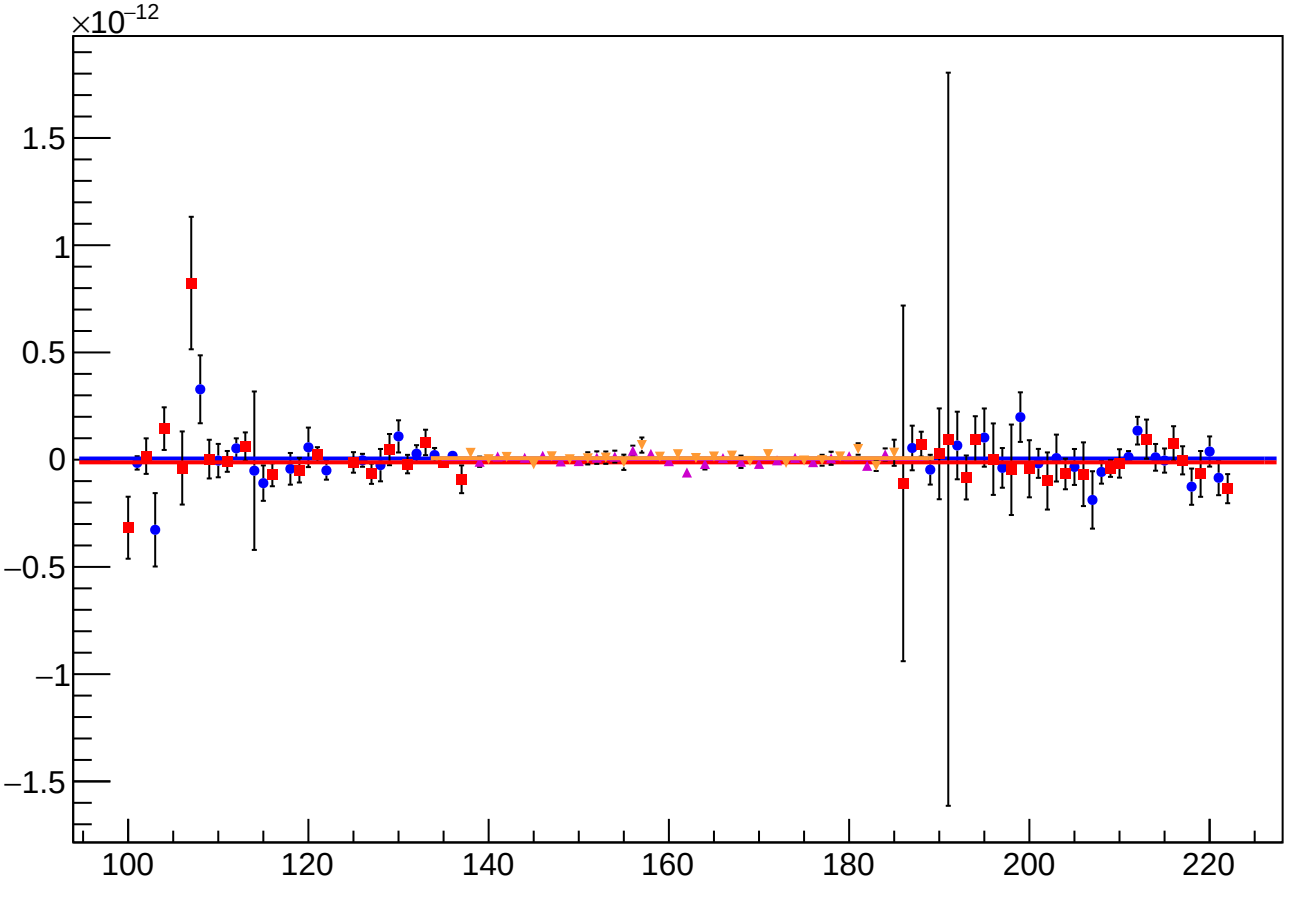
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1348.297+/-0.145 χ^2/NDF: 2436616.7/70

In: 1300.638+/-0.146 χ^2/NDF:1113202.5/56

Out: 1317.351+/-0.147 χ^2/NDF:1543670.7/60

All: 1308.903+/-0.104 χ^2/NDF: 2663374.7/11



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: 35.7/36

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

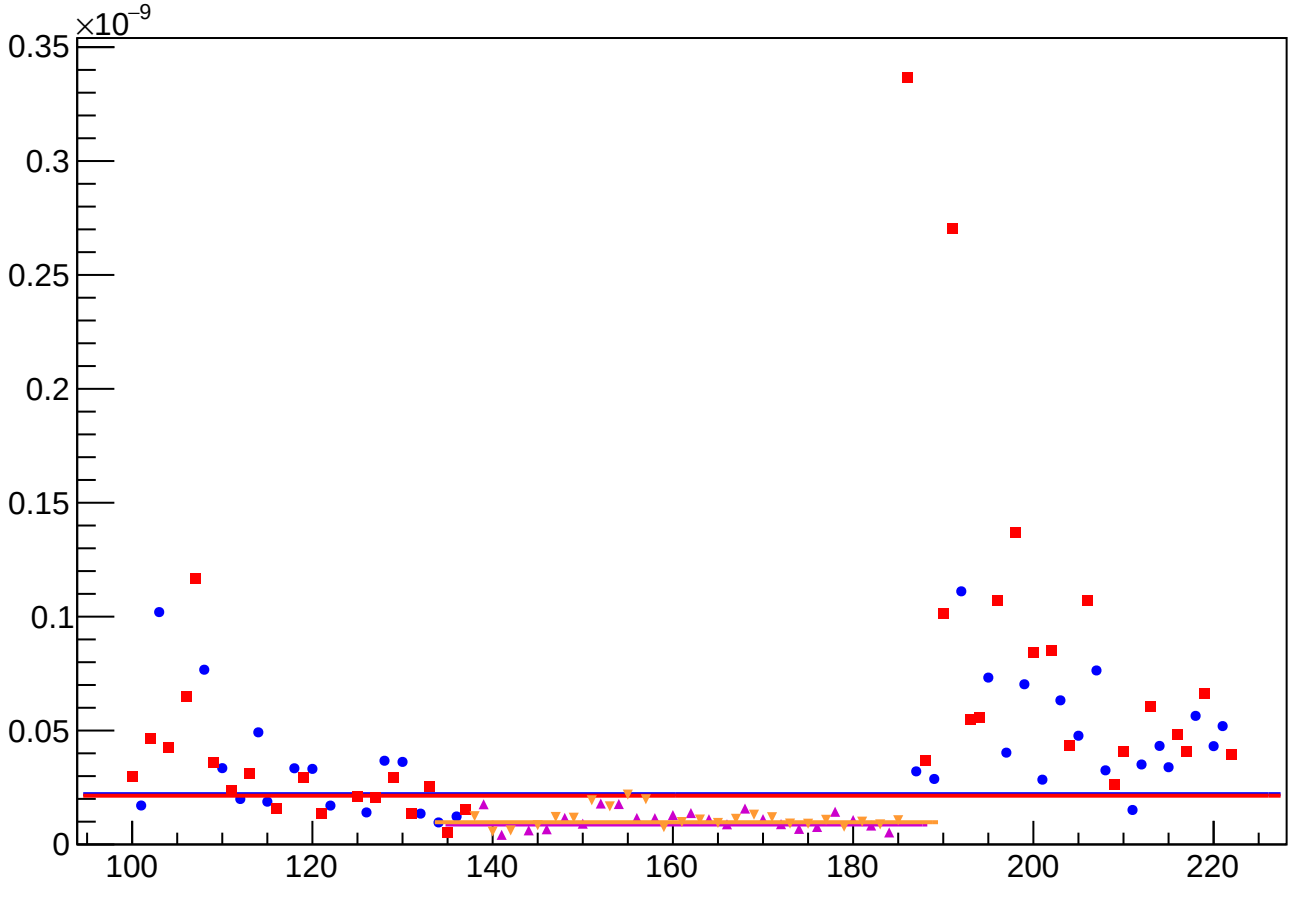
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 70.7/70

In: 0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:59.1/60

All: 0.000+/-0.000 χ^2/NDF: 115.3/117



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: 8673210.3/36

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

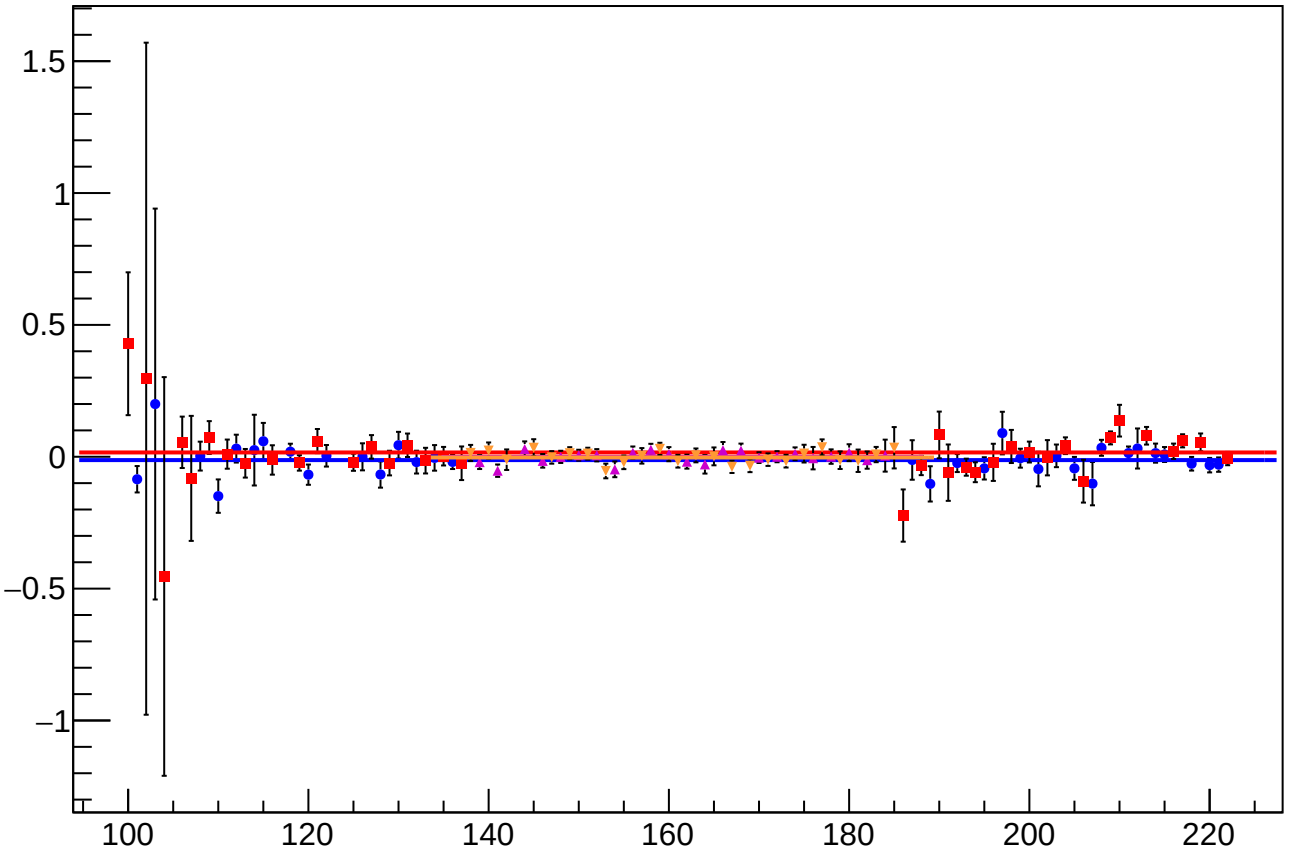
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 14342403.2/70

In: 0.000+/-0.000 χ^2/NDF:11384198.5/56

Out: 0.000+/-0.000 χ^2/NDF:12694969.5/60

All: 0.000+/-0.000 χ^2/NDF: 24135446.1/117



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.016+/-0.007 χ^2/NDF: 47.7/36

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

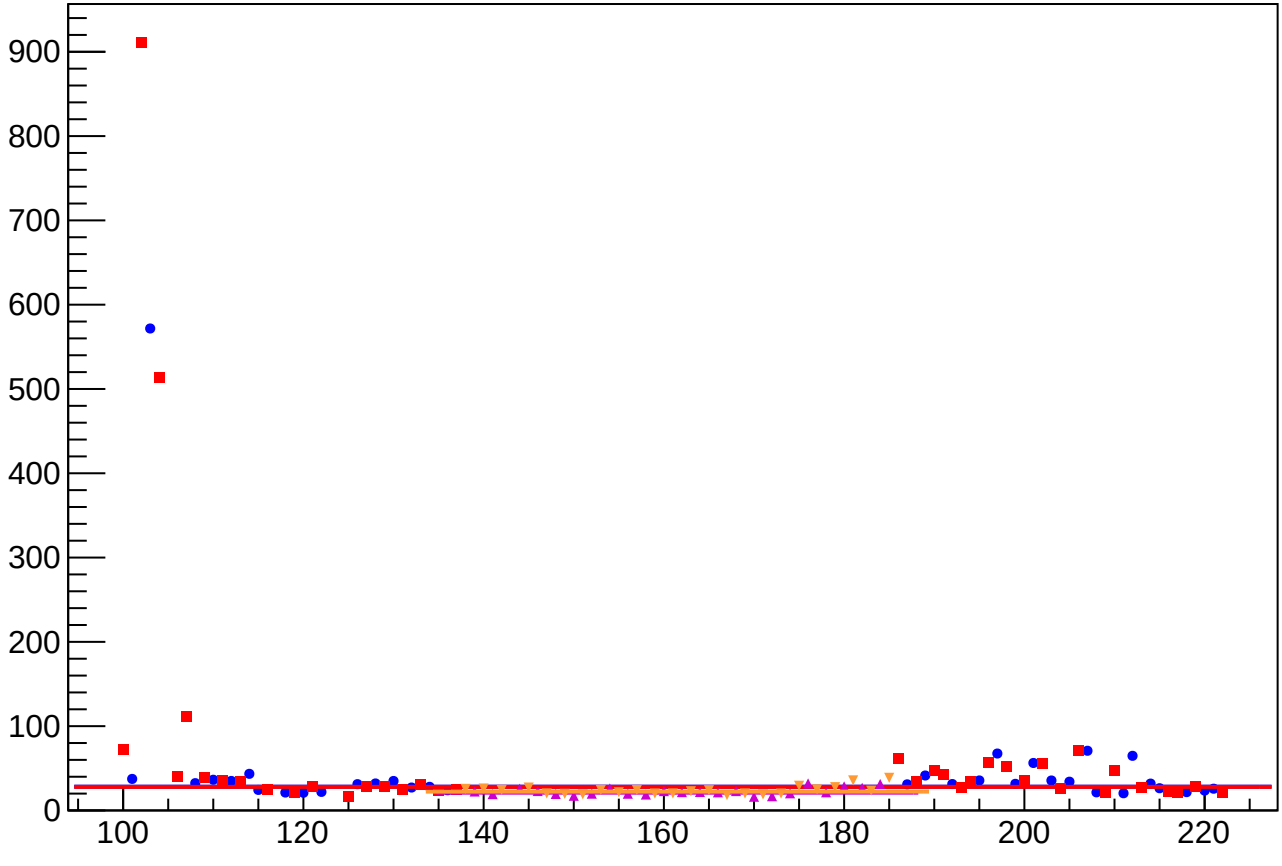
Right: 0.002+/-0.005 χ^2/NDF: 83.3/70

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/60

All: -0.000+/-0.003 χ^2/NDF: 114.9/117

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: 27.974+/-0.005 χ^2/NDF: 5460844.2/36

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

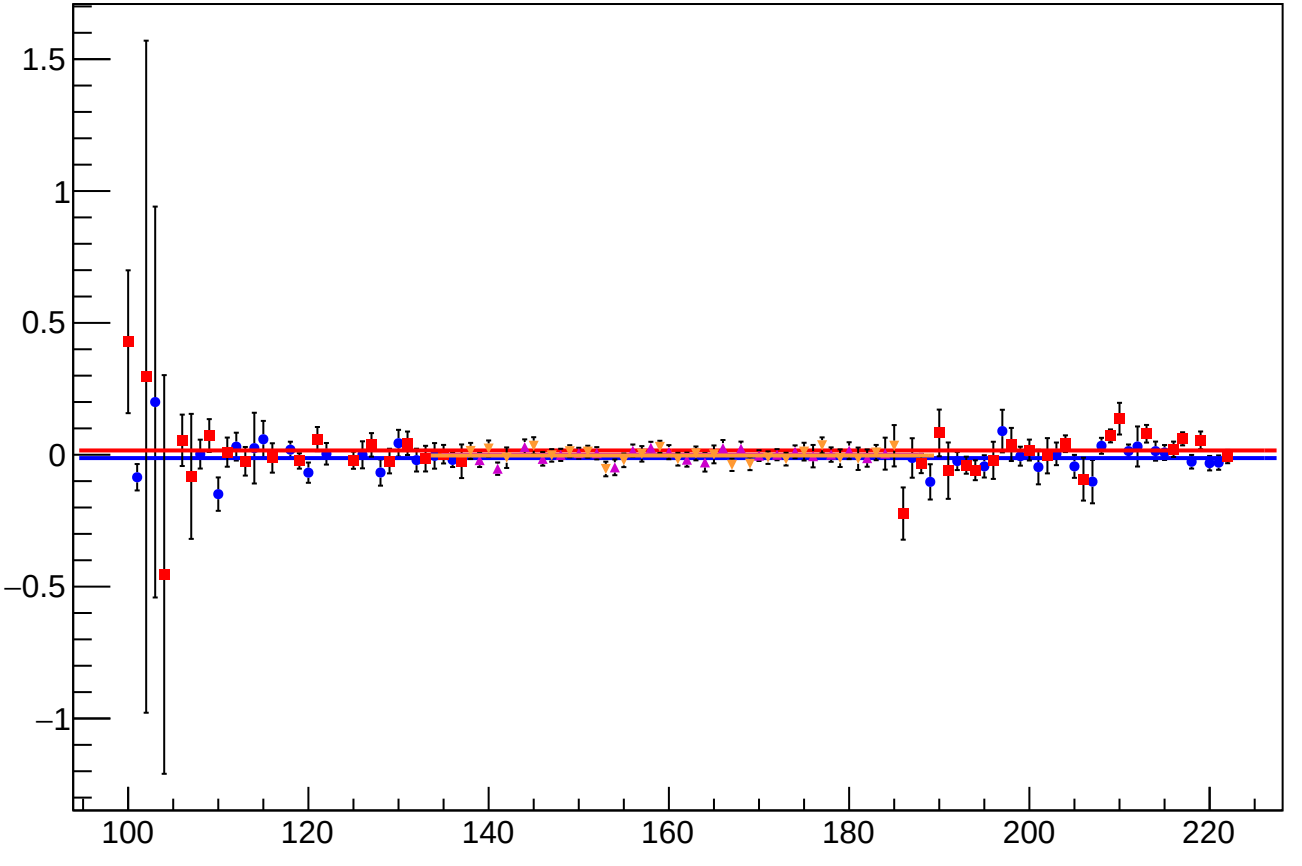
Right: 28.098+/-0.003 χ^2/NDF: 9677421.1/70

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.572+/-0.003 χ^2/NDF:7048152.5/60

All: 24.186+/-0.002 χ^2/NDF: 13409438.5/117

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.016+/-0.007 χ^2/NDF: 47.7/36

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

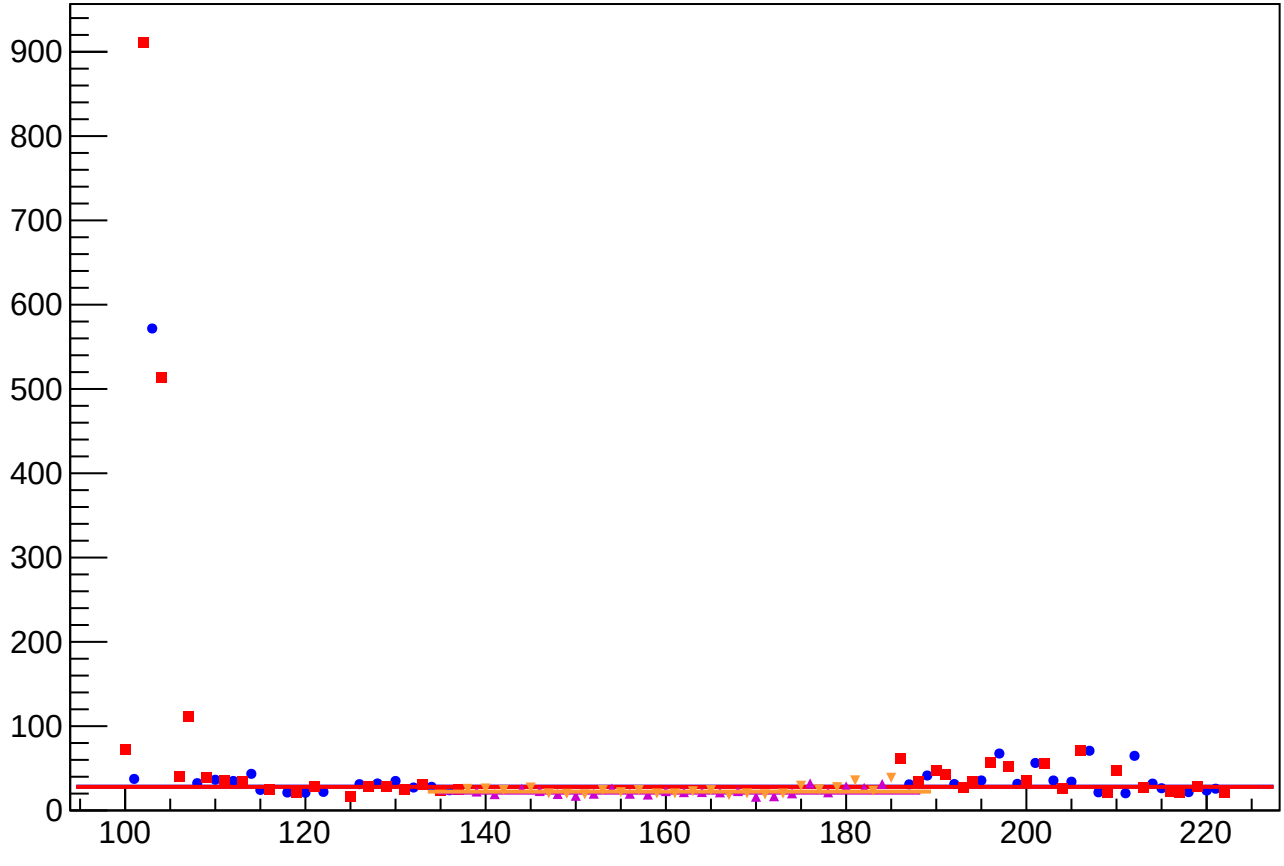
Right: 0.002+/-0.005 χ^2/NDF: 83.3/70

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/60

All: -0.000+/-0.003 χ^2/NDF: 114.9/117

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.218+/-0.005 χ^2/NDF: 4215358.4/33

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.974+/-0.005 χ^2/NDF: 5460844.2/36

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

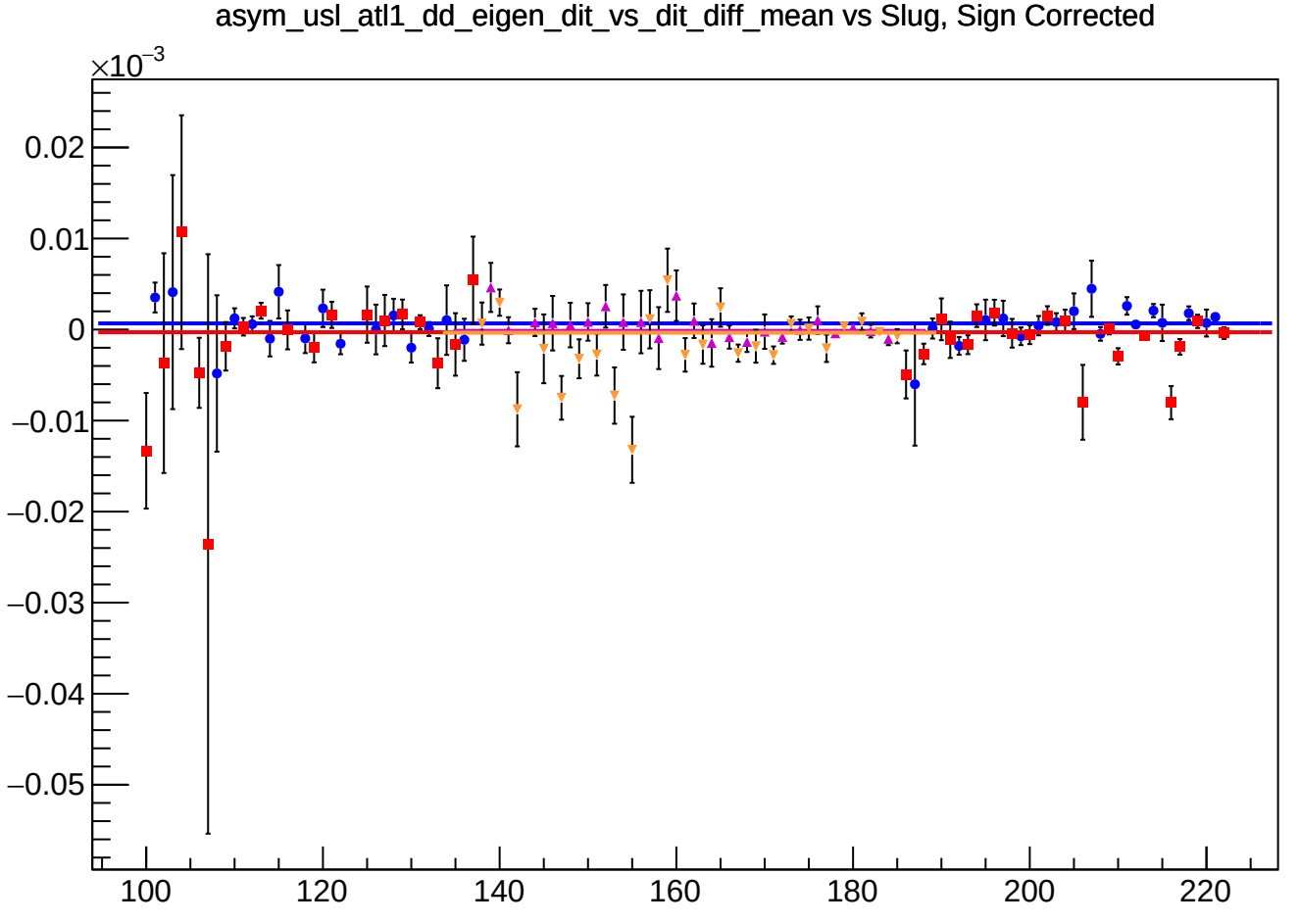
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.098+/-0.003 χ^2/NDF: 9677421.1/70

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.572+/-0.003 χ^2/NDF:7048152.5/60

All: 24.186+/-0.002 χ^2/NDF: 13409438.5/117



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: 81.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

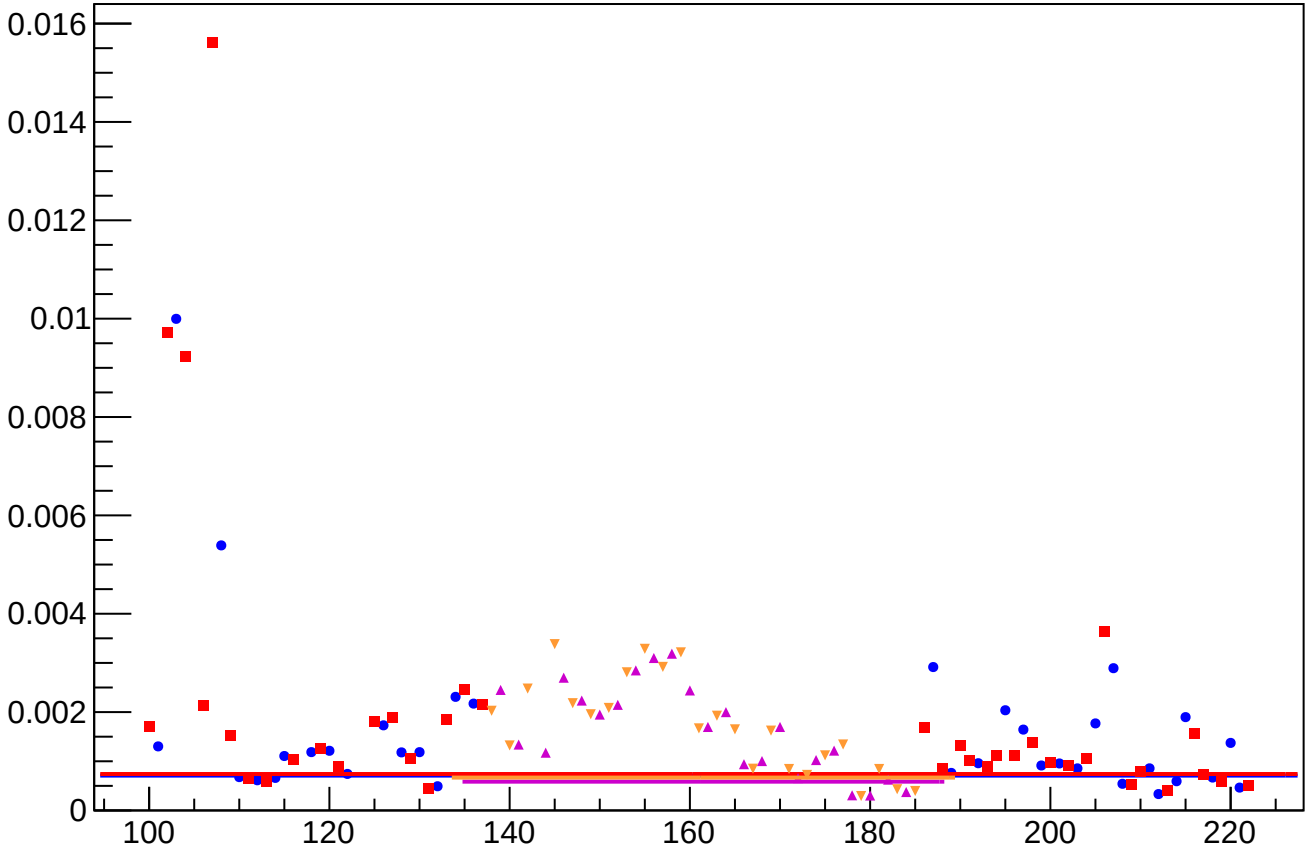
Right: 0.000+/-0.000 χ^2/NDF: 136.0/70

In: 0.000+/-0.000 χ^2/NDF:65.6/56

Out: -0.000+/-0.000 χ^2/NDF:149.2/60

All: -0.000+/-0.000 χ^2/NDF: 224.2/117

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: 9614814.2/36

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

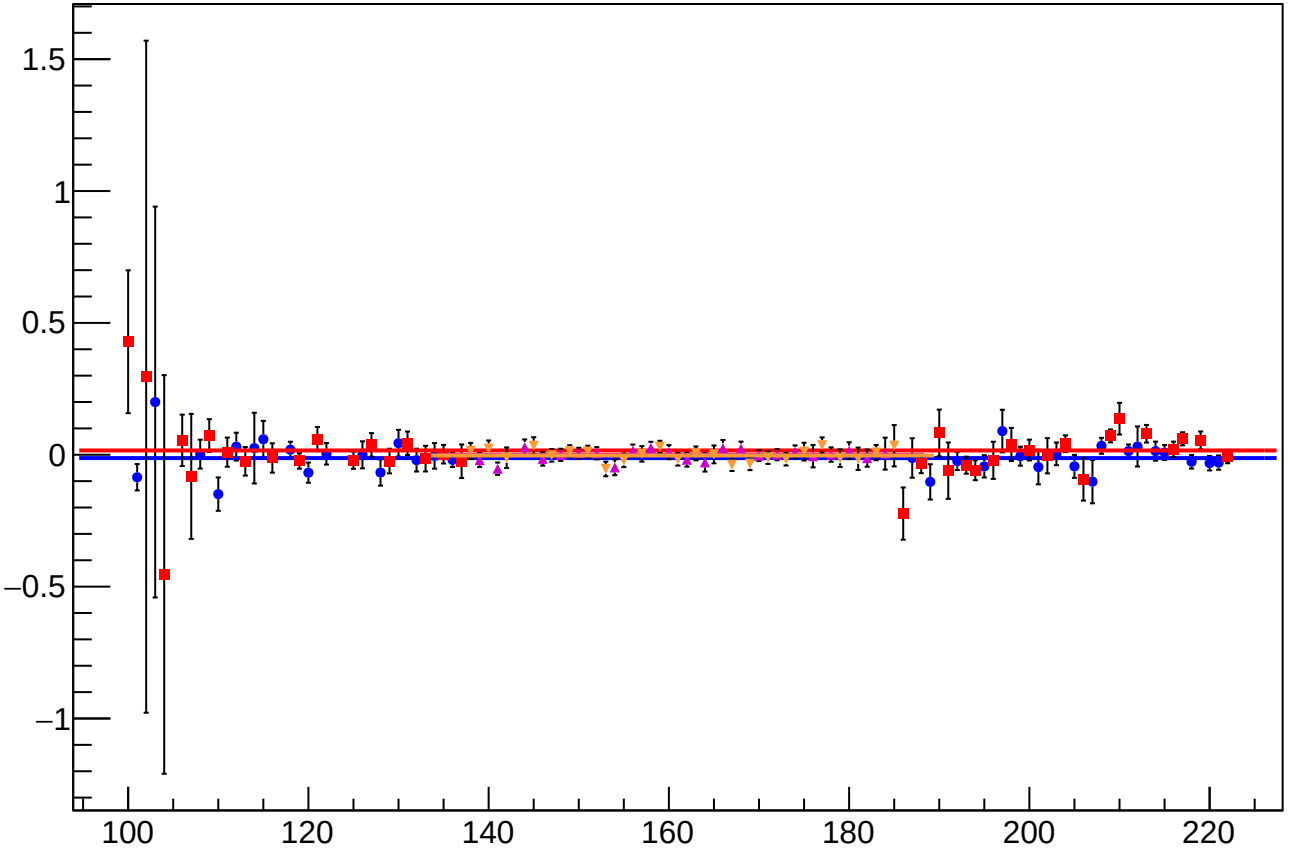
Right: 0.001+/-0.000 χ^2/NDF: 20597019.3/70

In: 0.001+/-0.000 χ^2/NDF:27054242.1/56

Out: 0.001+/-0.000 χ^2/NDF:25124196.3/60

All: 0.001+/-0.000 χ^2/NDF: 52363259.4/117

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.016+/-0.007 χ^2/NDF: 47.7/36

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

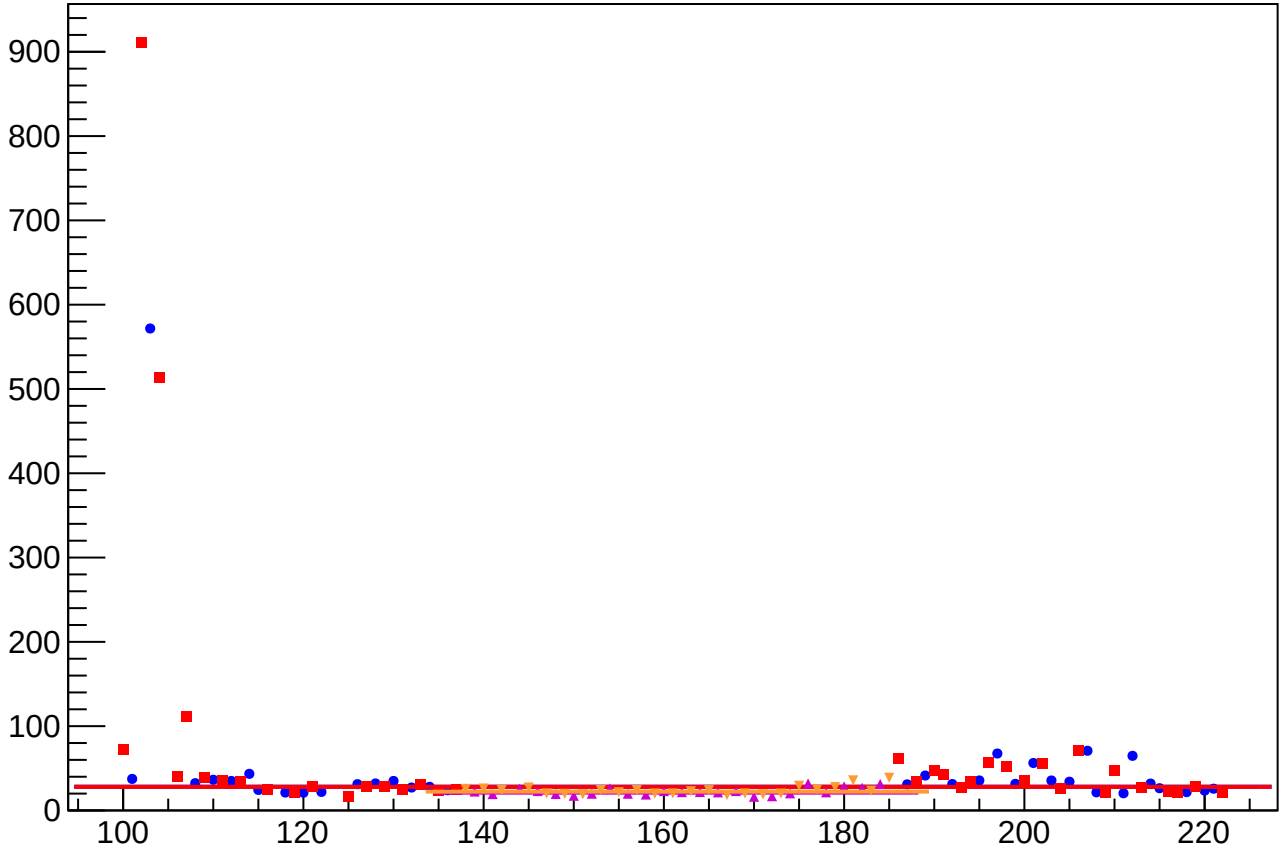
Right: 0.002+/-0.005 χ^2/NDF: 83.3/70

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/60

All: -0.000+/-0.003 χ^2/NDF: 114.9/117

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.974+/-0.005 χ^2/NDF: 5460921.6/36

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

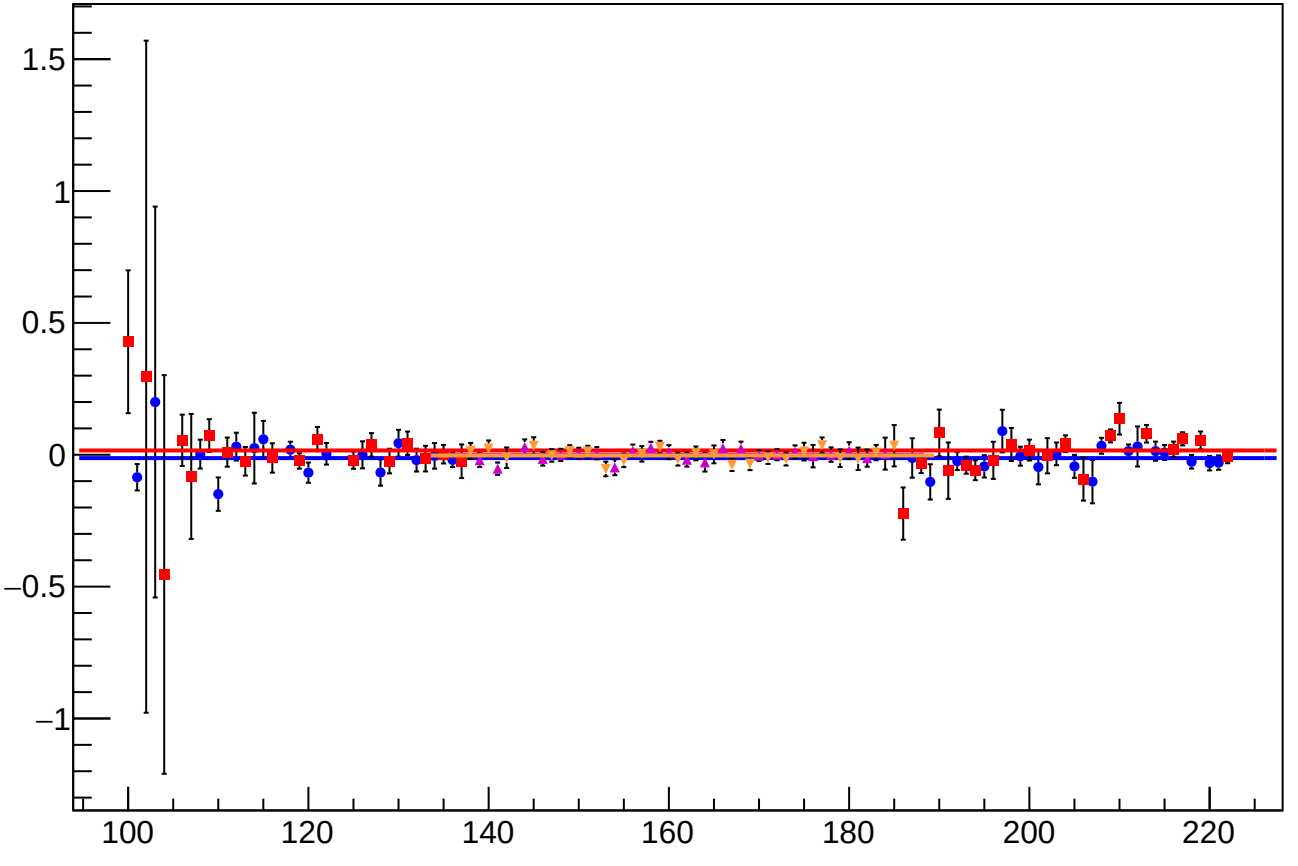
Right: 28.098+/-0.003 χ^2/NDF: 9677539.0/70

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.572+/-0.003 χ^2/NDF:7048215.8/60

All: 24.186+/-0.002 χ^2/NDF: 13409582.4/117

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.016+/-0.007 χ^2/NDF: 47.7/36

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

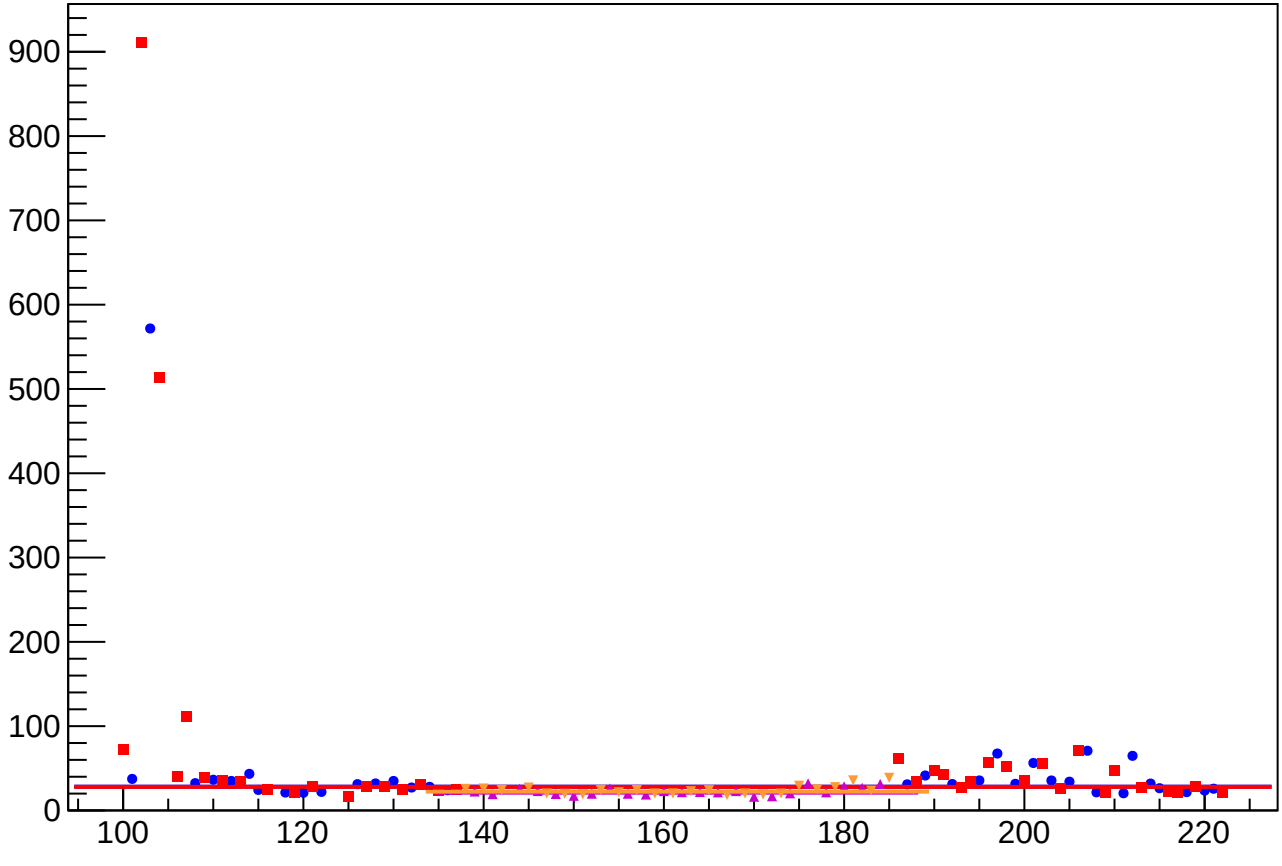
Right: 0.002+/-0.005 χ^2/NDF: 83.3/70

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/60

All: -0.000+/-0.003 χ^2/NDF: 114.9/117

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.974+/-0.005 χ^2/NDF: 5460921.6/36

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

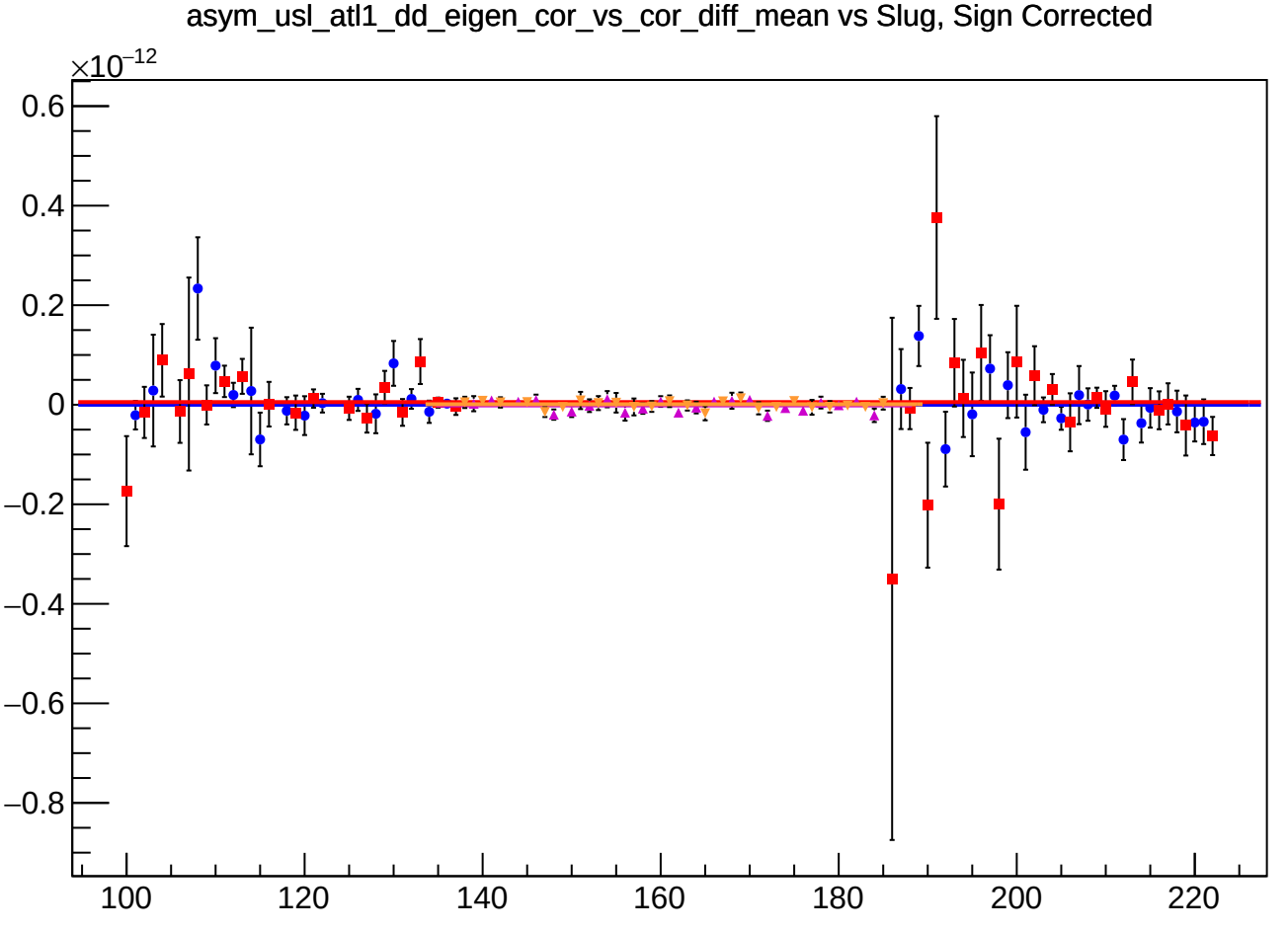
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.098+/-0.003 χ^2/NDF: 9677539.0/70

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.572+/-0.003 χ^2/NDF:7048215.8/60

All: 24.186+/-0.002 χ^2/NDF: 13409582.4/117



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: 33.8/36

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

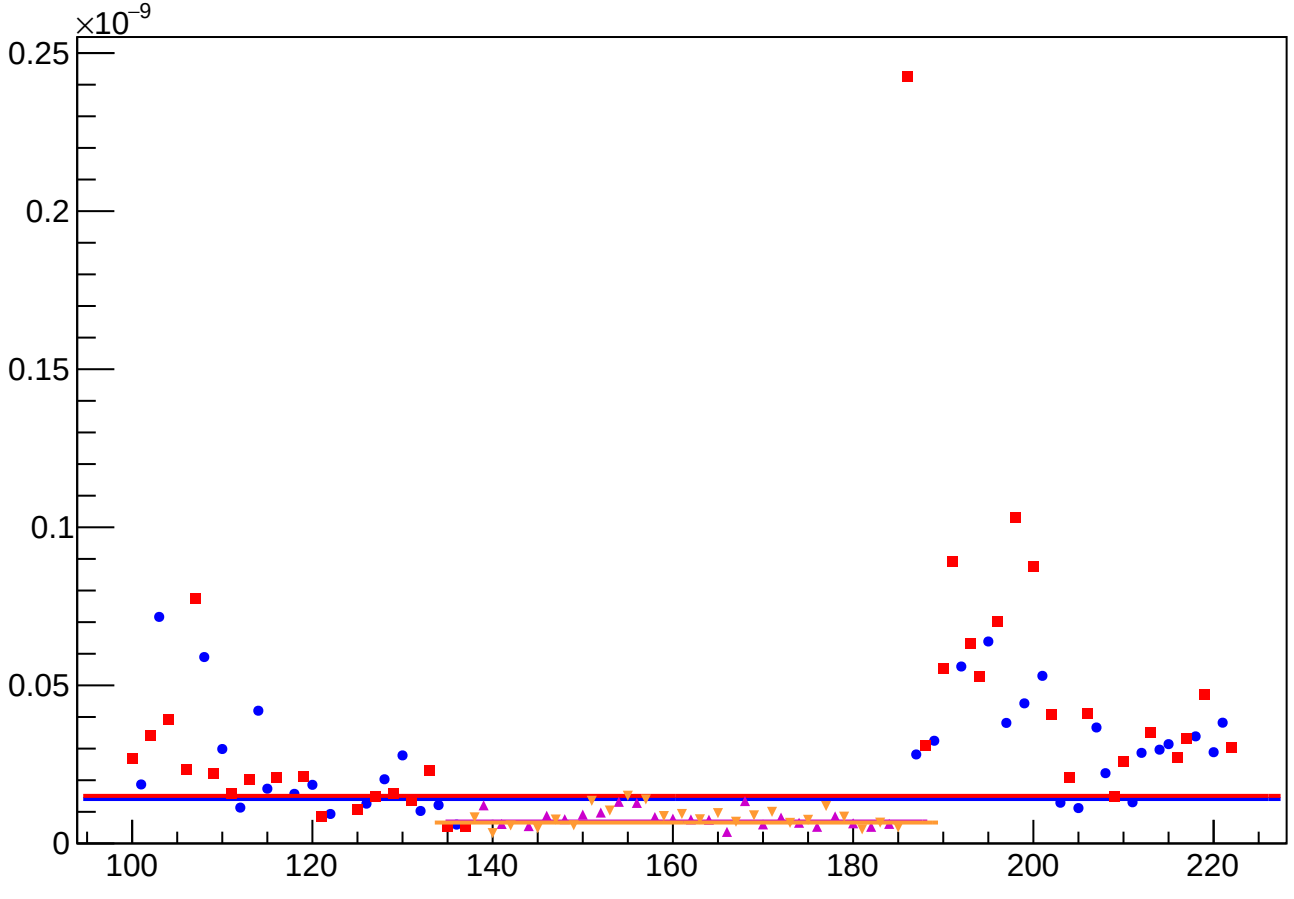
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 66.5/70

In: -0.000+/-0.000 χ^2/NDF:58.0/56

Out: 0.000+/-0.000 χ^2/NDF:46.0/60

All: 0.000+/-0.000 χ^2/NDF: 104.9/117



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: 11361708.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

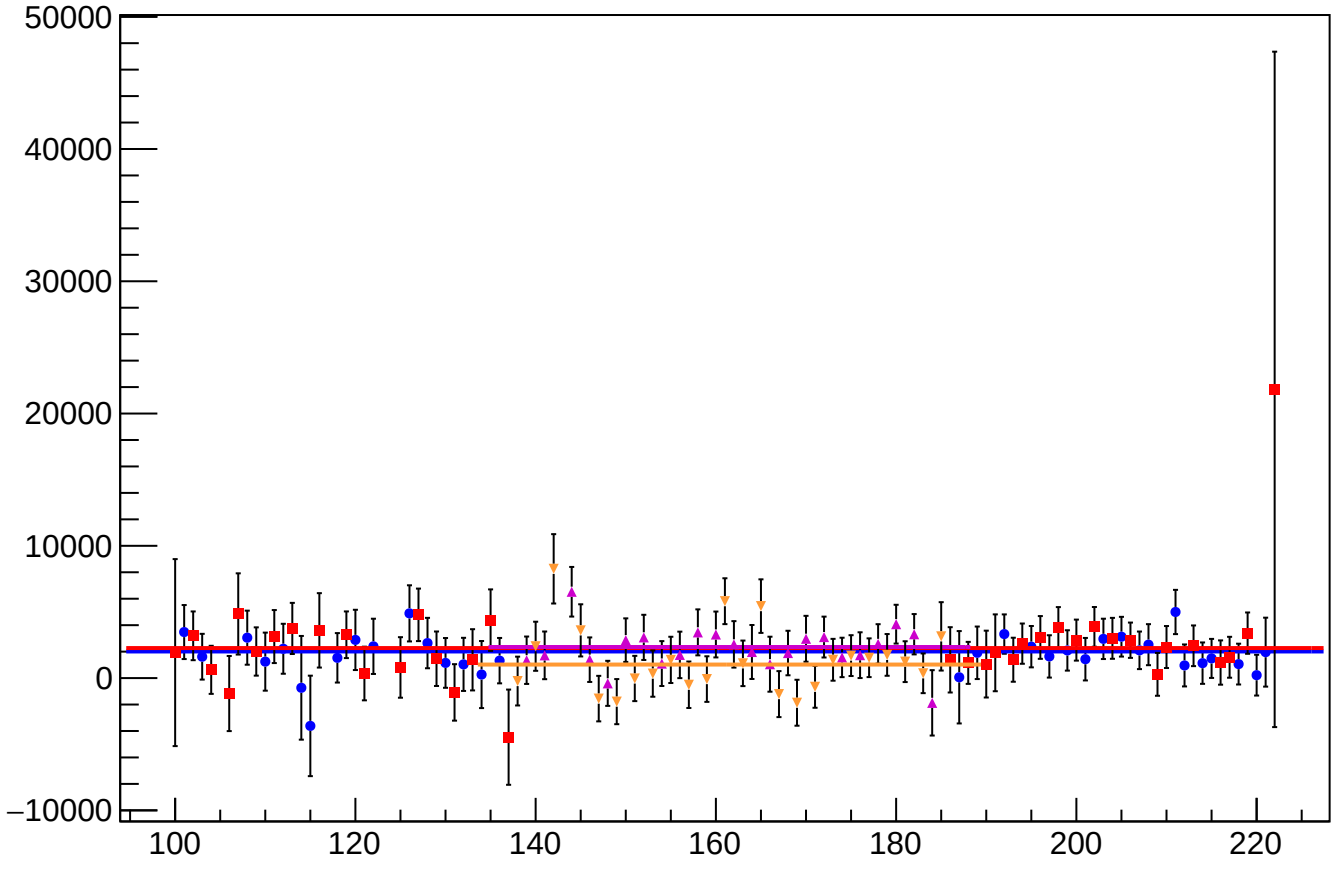
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 20511741.8/70

In: 0.000+/-0.000 χ^2/NDF:15091550.2/56

Out: 0.000+/-0.000 χ^2/NDF:19288462.0/60

All: 0.000+/-0.000 χ^2/NDF: 34416352.8/117



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: 2269.420+/-310.900 χ^2/NDF: 22.0/36

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

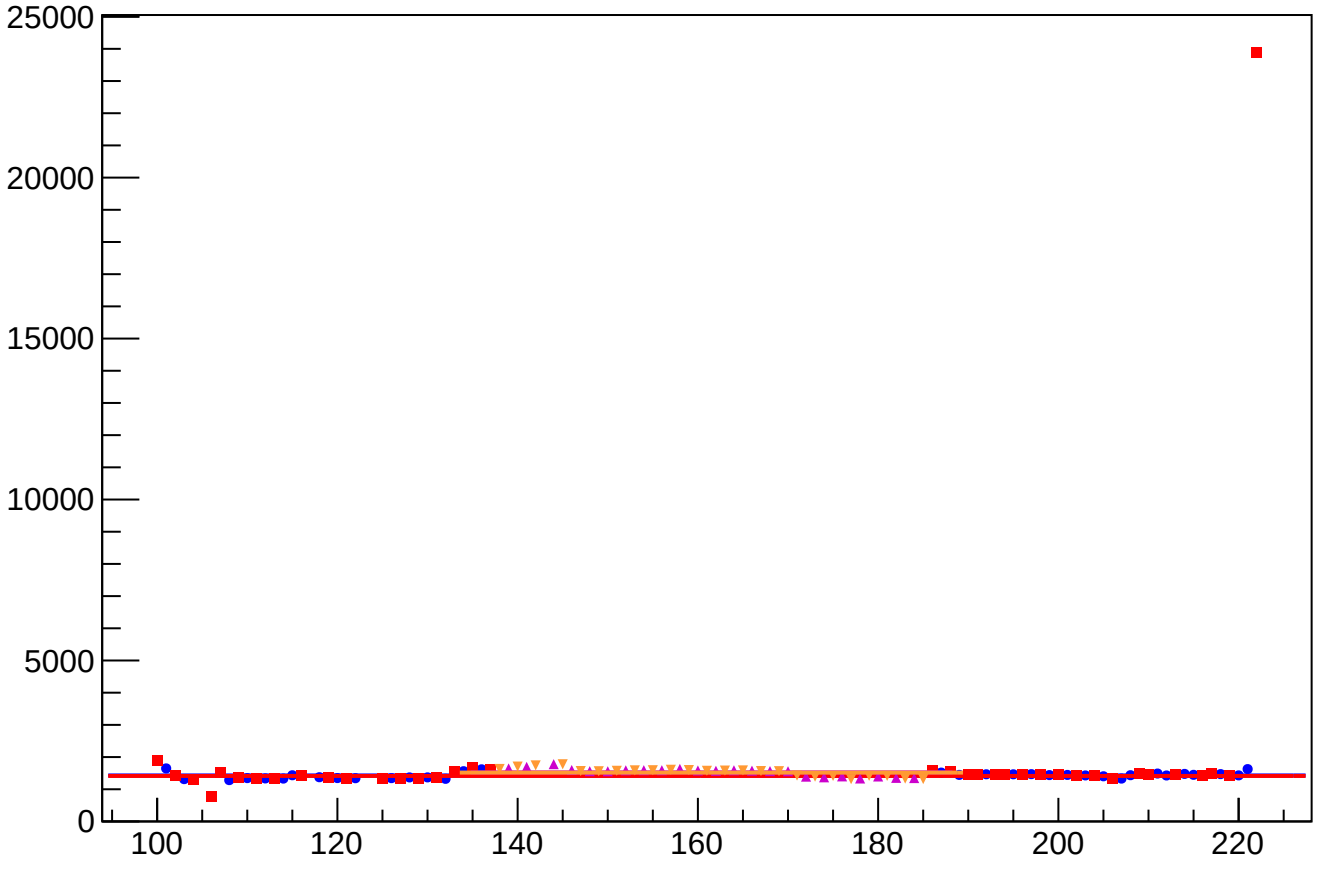
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2140.108+/-219.197 χ^2/NDF: 37.4/70

In: 2156.605+/-233.695 χ^2/NDF:31.6/56

Out: 1725.556+/-233.444 χ^2/NDF:65.4/60

All: 1940.849+/-165.159 χ^2/NDF: 98.7/117



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: 1413.887+/-0.217 χ^2/NDF: 1963805.9/36

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

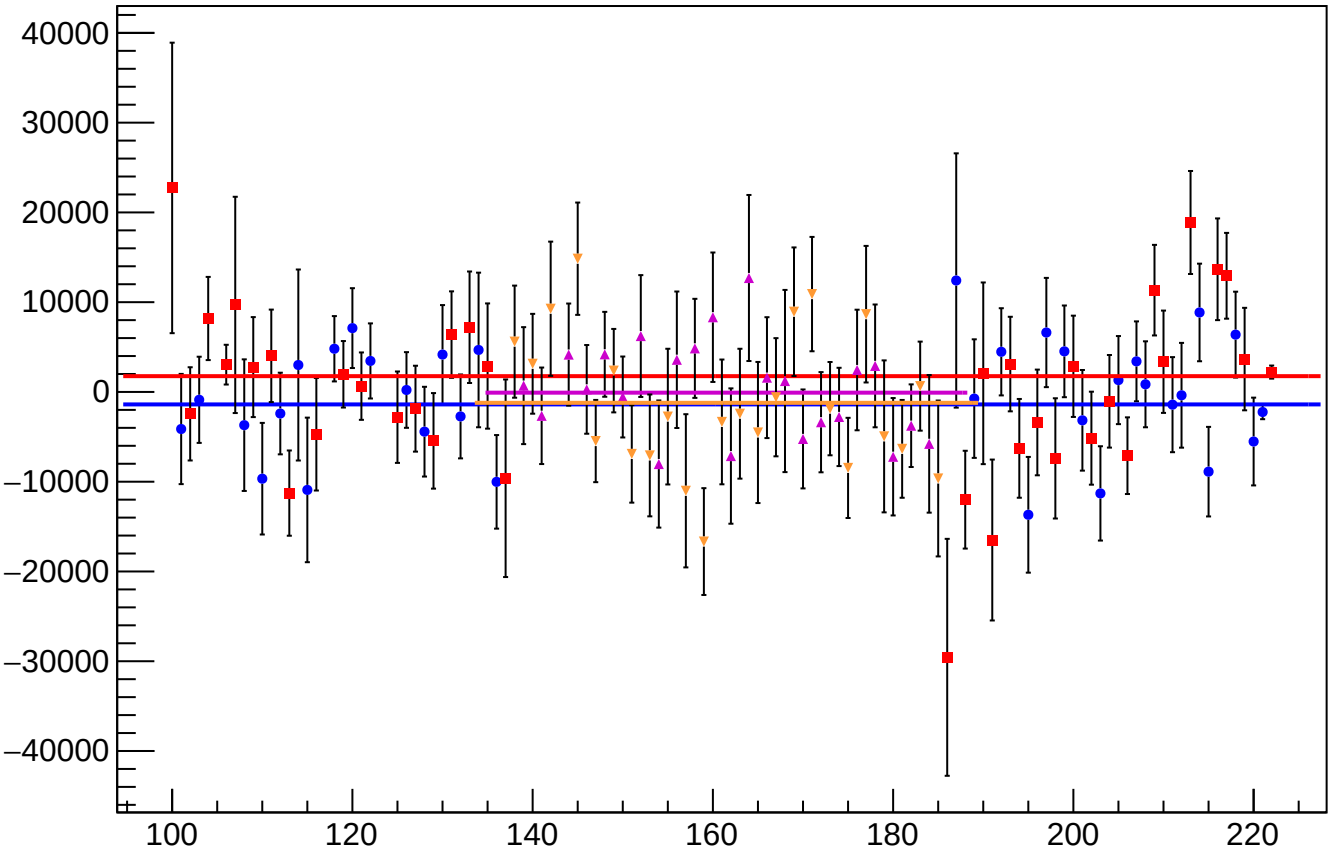
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1421.288+/-0.154 χ^2/NDF: 2099971.7/70

In: 1469.699+/-0.165 χ^2/NDF:440005.6/56

Out: 1458.628+/-0.164 χ^2/NDF:2296235.5/60

All: 1464.121+/-0.116 χ^2/NDF: 2738502.2/11



Right In: -1389.375+/-603.604 χ^2/NDF: 41.2/33

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 1759.156+/-556.247 χ^2/NDF: 70.3/36

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

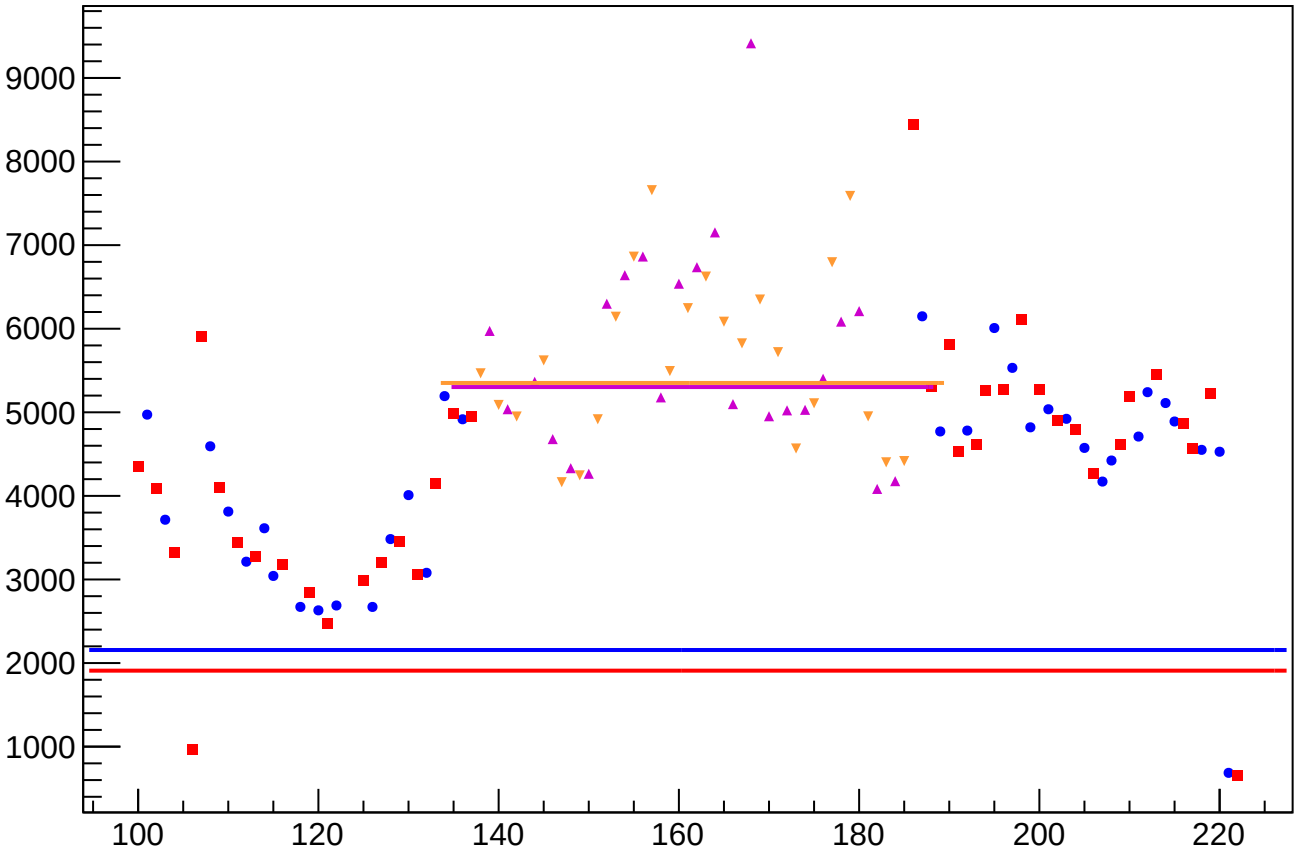
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

Right: 313.230+/-409.045 χ^2/NDF: 126.3/70

In: -1146.479+/-544.711 χ^2/NDF:55.3/56

Out: 1279.876+/-509.409 χ^2/NDF:108.2/60

All: 147.866+/-372.061 χ^2/NDF: 174.1/117



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: 1909.095+/-0.393 χ^2/NDF: 20249056.5/36

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

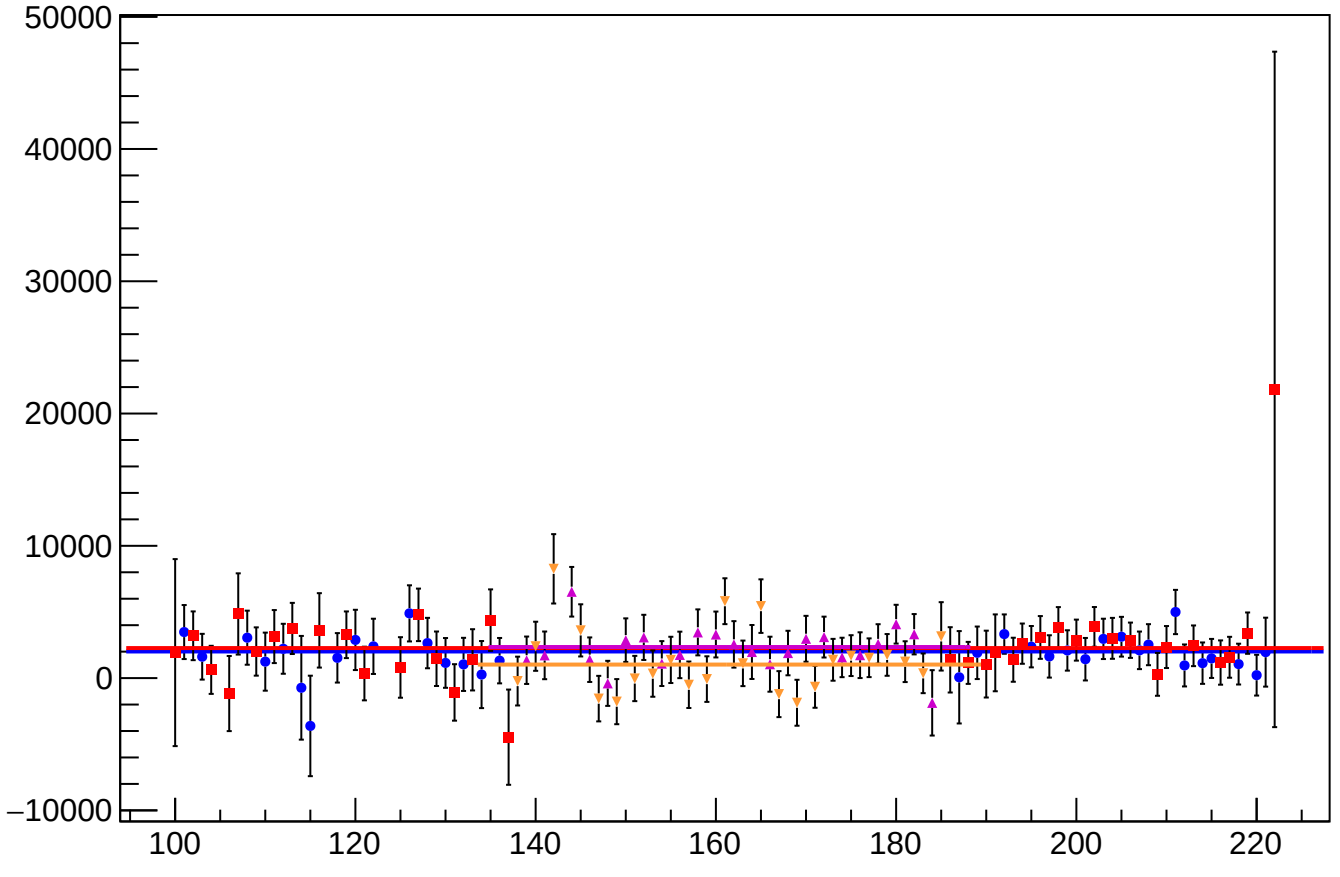
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 2022.518+/-0.289 χ^2/NDF: 38262748.3/70

In: 2740.042+/-0.385 χ^2/NDF:29174220.1/56

Out: 2464.352+/-0.360 χ^2/NDF:33668975.3/60

All: 2592.975+/-0.263 χ^2/NDF: 63116492.2/1



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: 2269.486+/-310.901 χ^2/NDF: 22.0/36

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

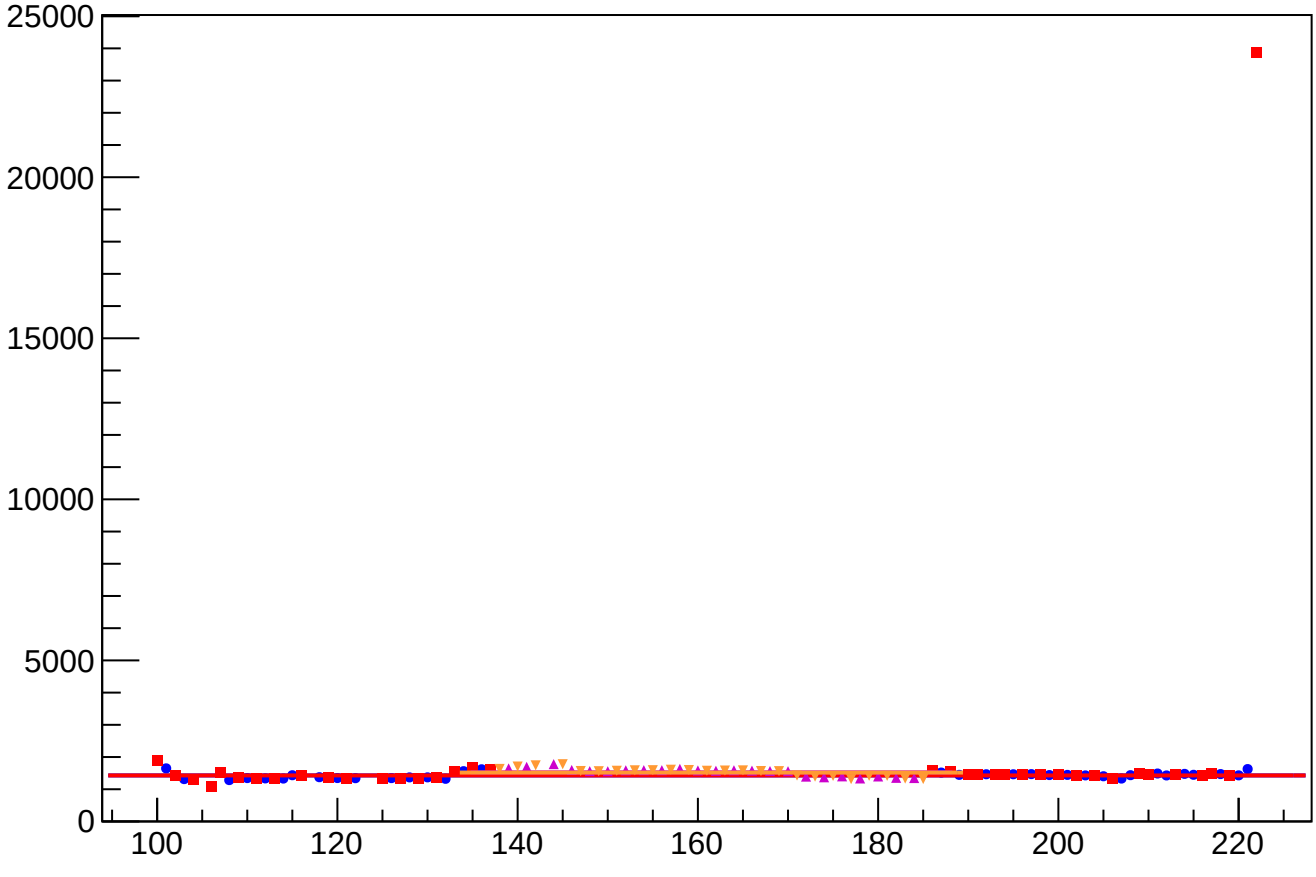
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2140.131+/-219.197 χ^2/NDF: 37.4/70

In: 2156.593+/-233.695 χ^2/NDF:31.6/56

Out: 1725.605+/-233.444 χ^2/NDF:65.4/60

All: 1940.868+/-165.159 χ^2/NDF: 98.7/117



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: 1428.840+/-0.219 χ^2/NDF: 1720634.5/36

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

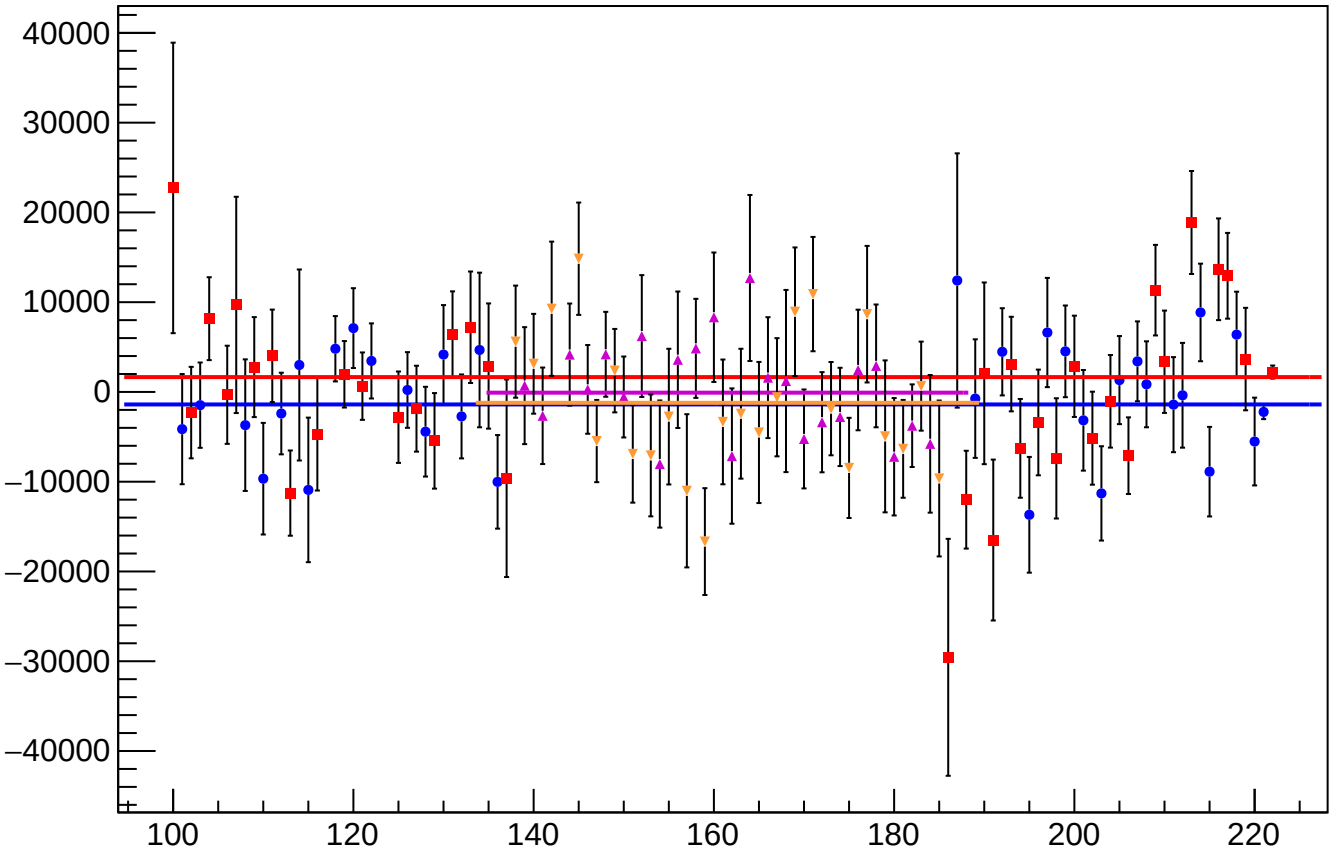
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1428.807+/-0.155 χ^2/NDF: 1854467.3/70

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1467.440+/-0.165 χ^2/NDF:2026345.1/60

All: 1468.565+/-0.117 χ^2/NDF: 2466444.5/11



Right In: -1392.790+/-603.866 χ^2/NDF: 41.2/33

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1653.734+/-571.198 χ^2/NDF: 70.1/36

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

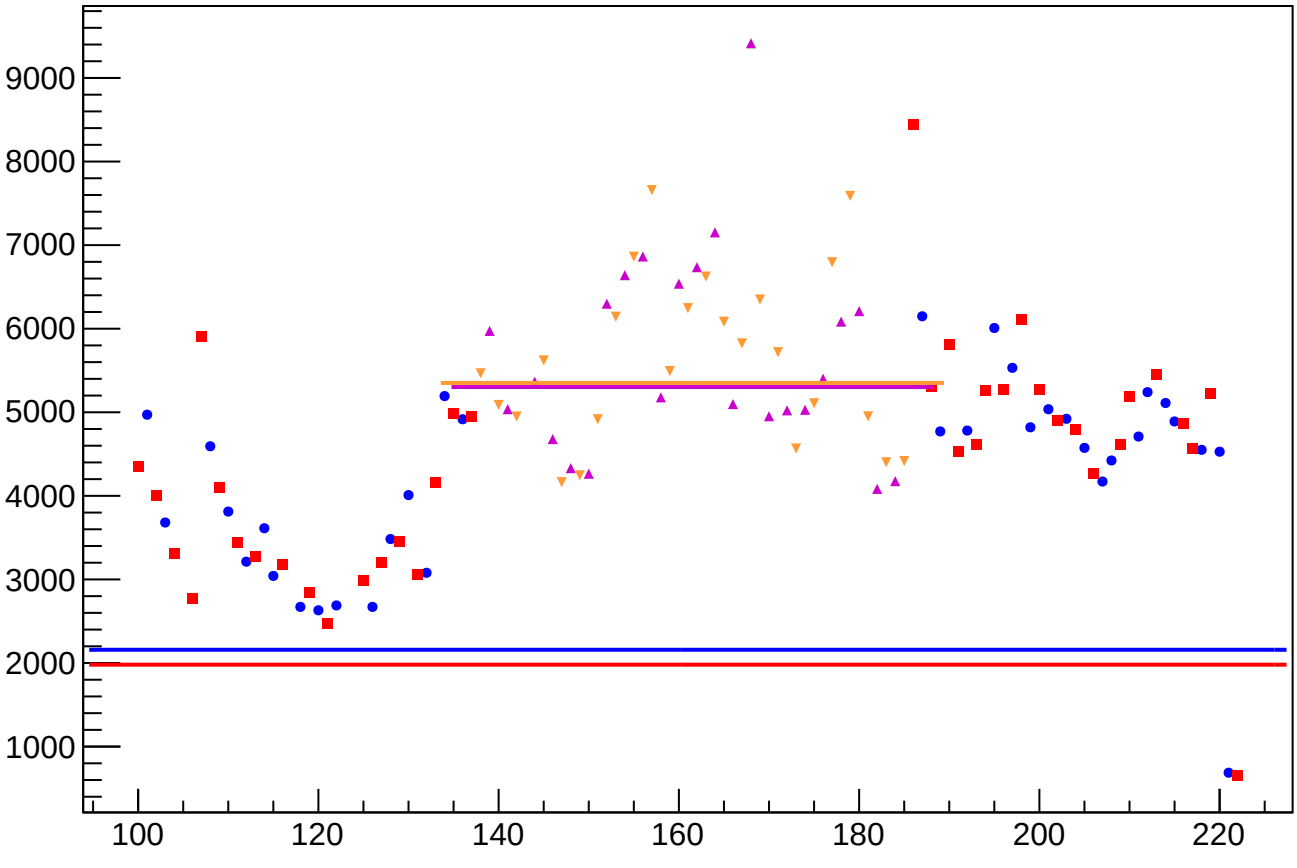
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 215.103+/-414.966 χ^2/NDF: 124.7/70

In: -1149.071+/-544.904 χ^2/NDF:55.3/56

Out: 1170.524+/-520.818 χ^2/NDF:107.6/60

All: 63.125+/-376.501 χ^2/NDF: 172.3/117



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: 1979.932+/-0.404 χ^2/NDF: 19903668.6/36

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

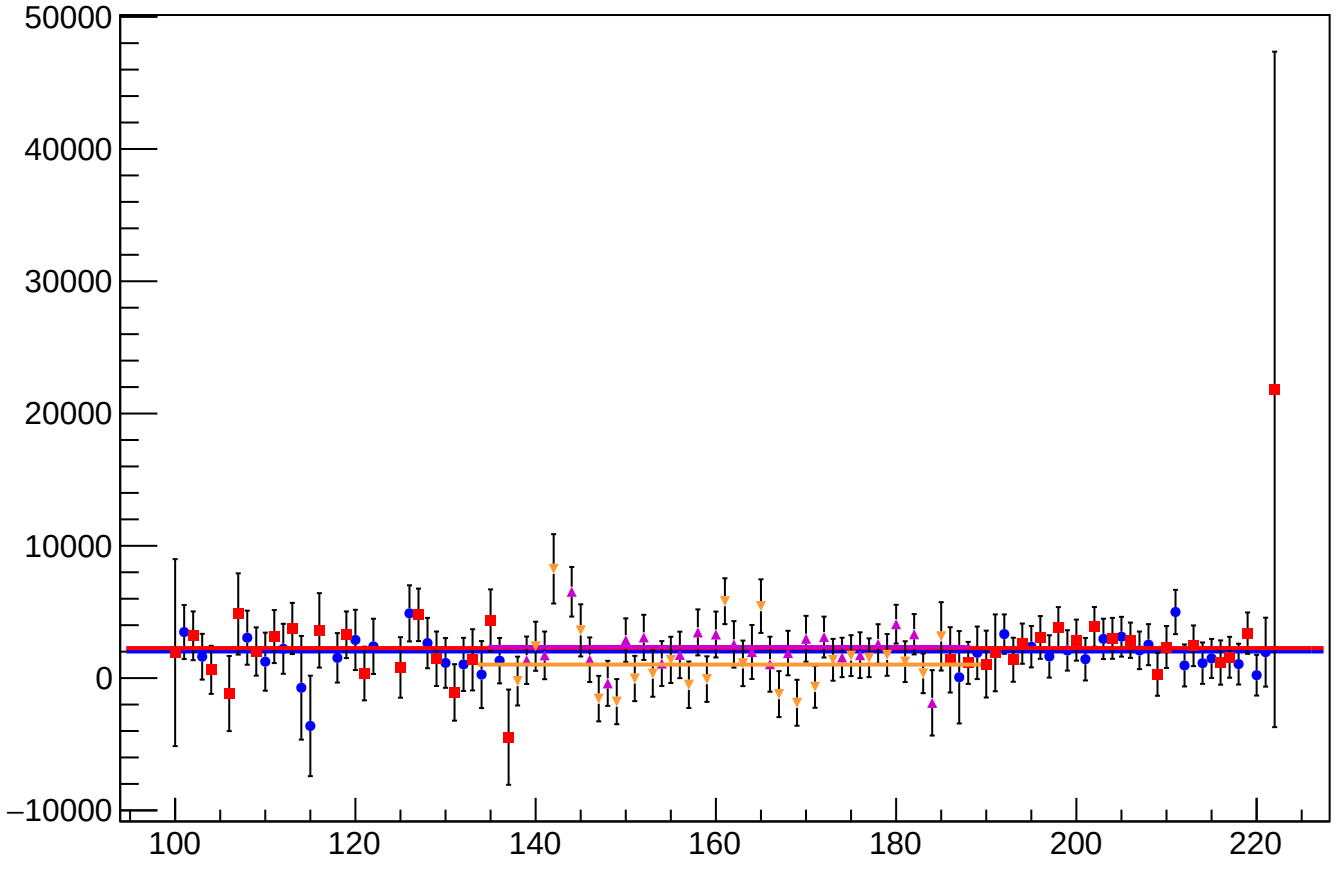
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 2064.208+/-0.293 χ^2/NDF: 37799763.0/70

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 2548.393+/-0.368 χ^2/NDF:32717106.0/60

All: 2640.989+/-0.266 χ^2/NDF: 61978490.1/1



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: 2269.486+/-310.901 χ^2/NDF: 22.0/36

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

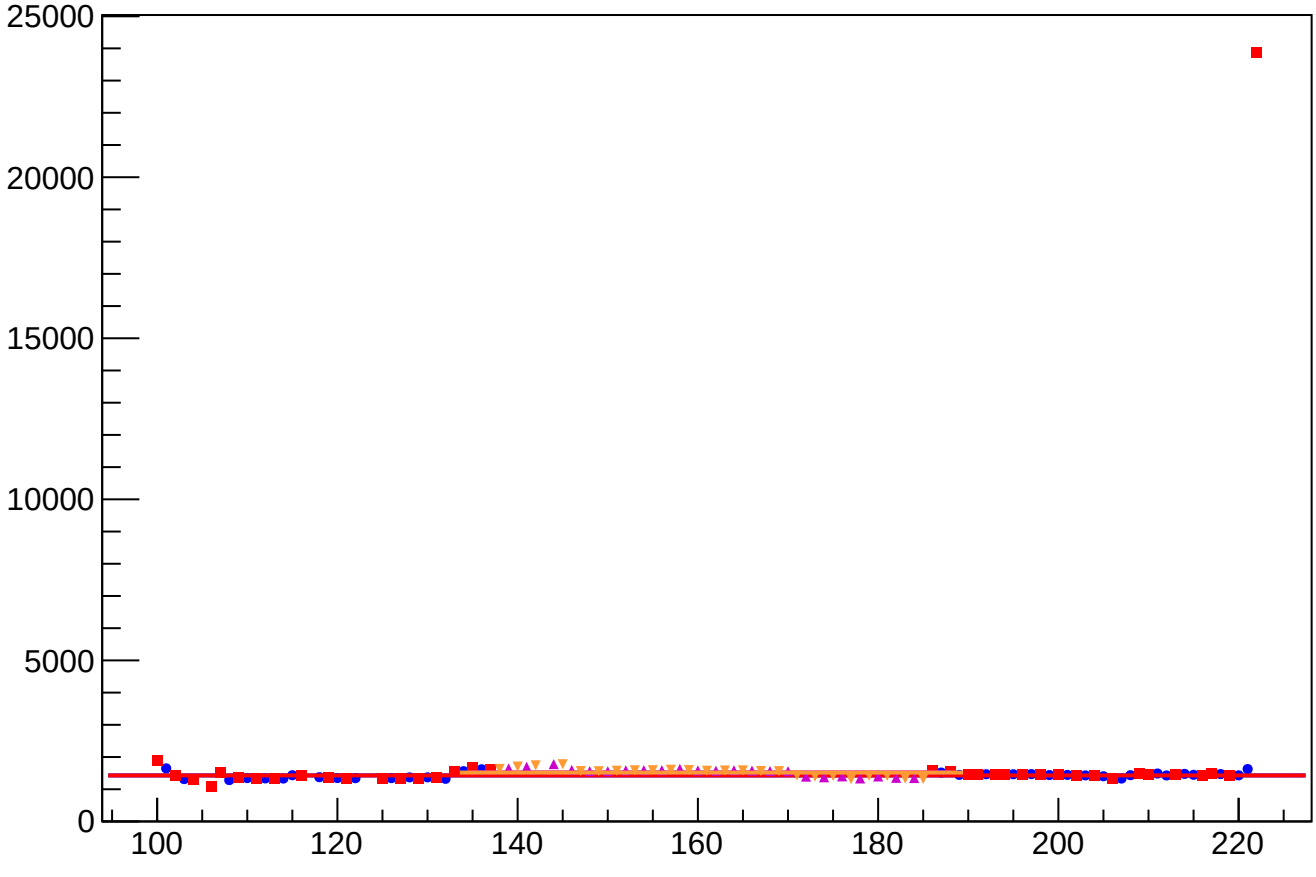
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2140.131+/-219.197 χ^2/NDF: 37.4/70

In: 2156.593+/-233.695 χ^2/NDF:31.6/56

Out: 1725.605+/-233.444 χ^2/NDF:65.4/60

All: 1940.868+/-165.159 χ^2/NDF: 98.7/117



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: 1428.840+/-0.219 χ^2/NDF: 1720634.5/36

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

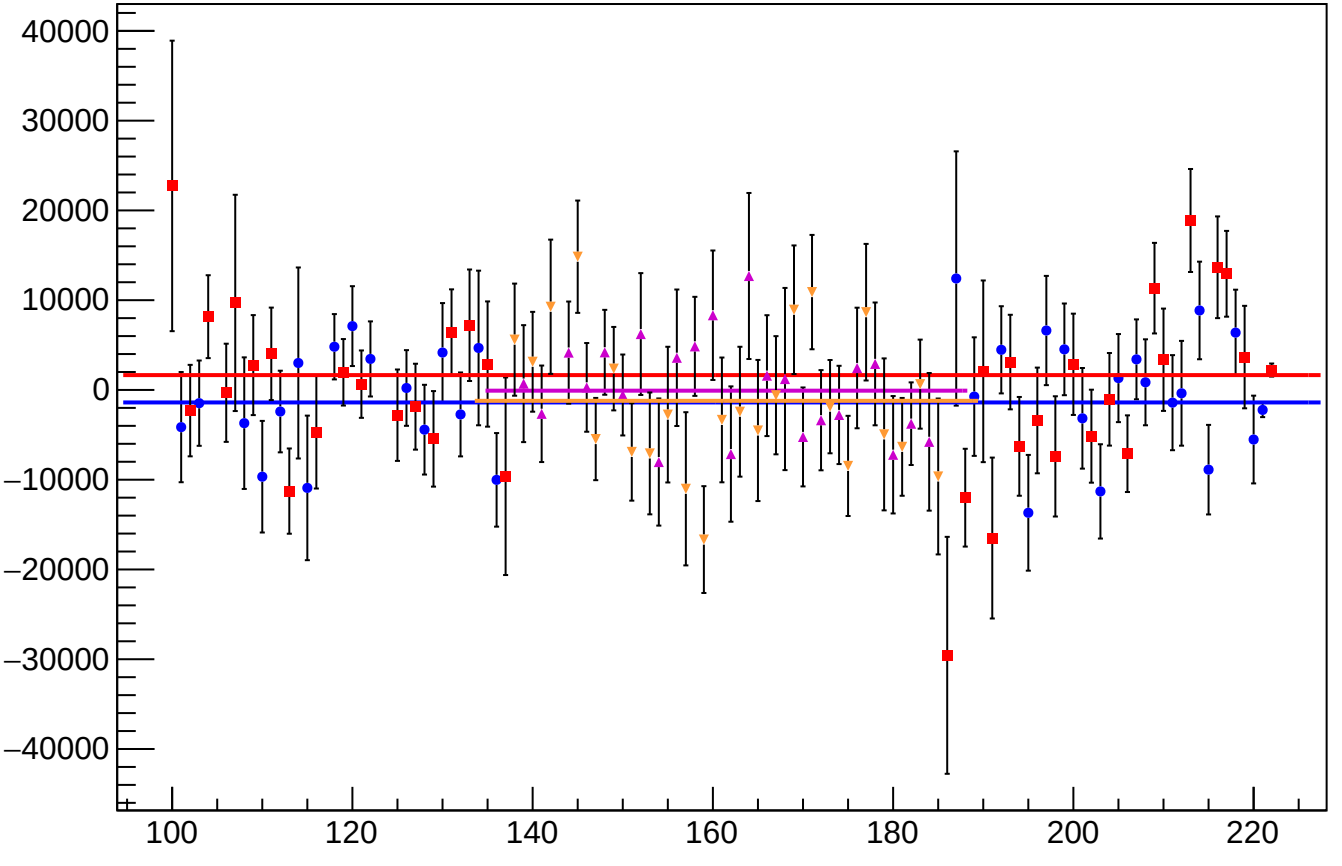
Right: 1428.807+/-0.155 χ^2/NDF: 1854467.3/70

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1467.440+/-0.165 χ^2/NDF:2026345.1/60

All: 1468.565+/-0.117 χ^2/NDF: 2466444.5/11

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1653.734+/-571.198 χ^2/NDF: 70.1/36

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

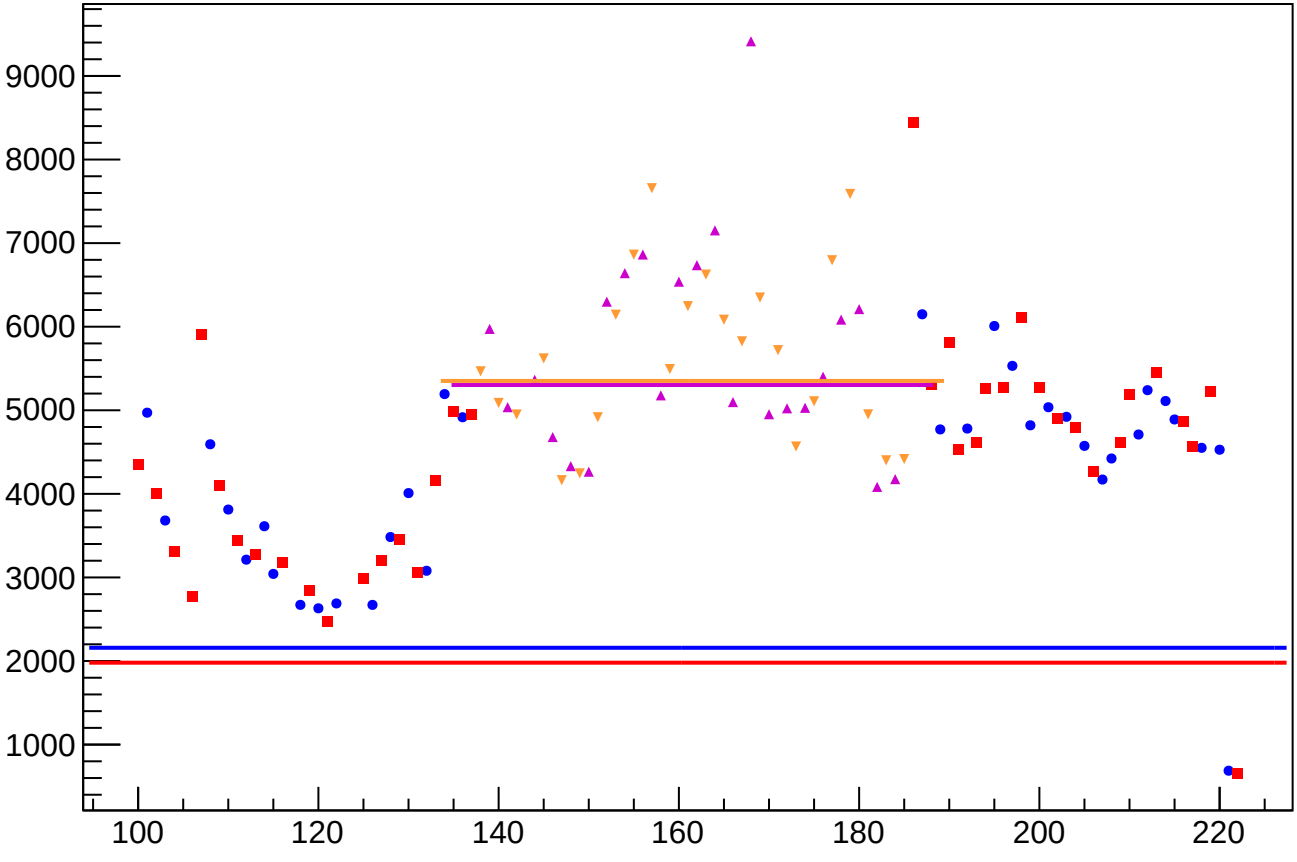
Right: 215.103+/-414.966 χ^2/NDF: 124.7/70

In: -1149.071+/-544.904 χ^2/NDF:55.3/56

Out: 1170.524+/-520.818 χ^2/NDF:107.6/60

All: 63.125+/-376.501 χ^2/NDF: 172.3/117

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1979.932+/-0.404 χ^2/NDF: 19903668.6/36

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

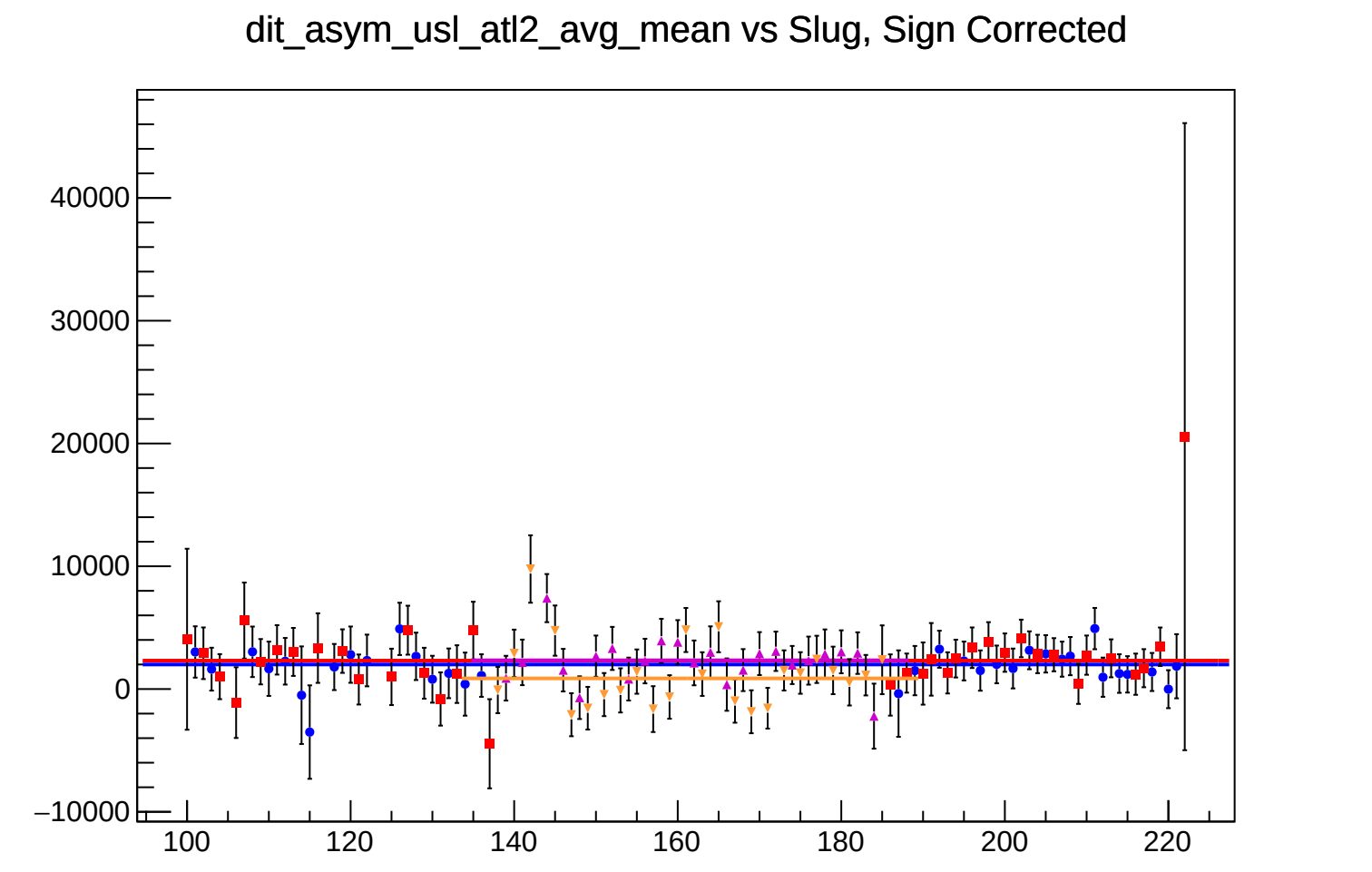
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 2064.208+/-0.293 χ^2/NDF: 37799763.0/70

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 2548.393+/-0.368 χ^2/NDF:32717106.0/60

All: 2640.989+/-0.266 χ^2/NDF: 61978490.1/1



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: 2316.346+/-314.694 χ^2/NDF: 21.1/36

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

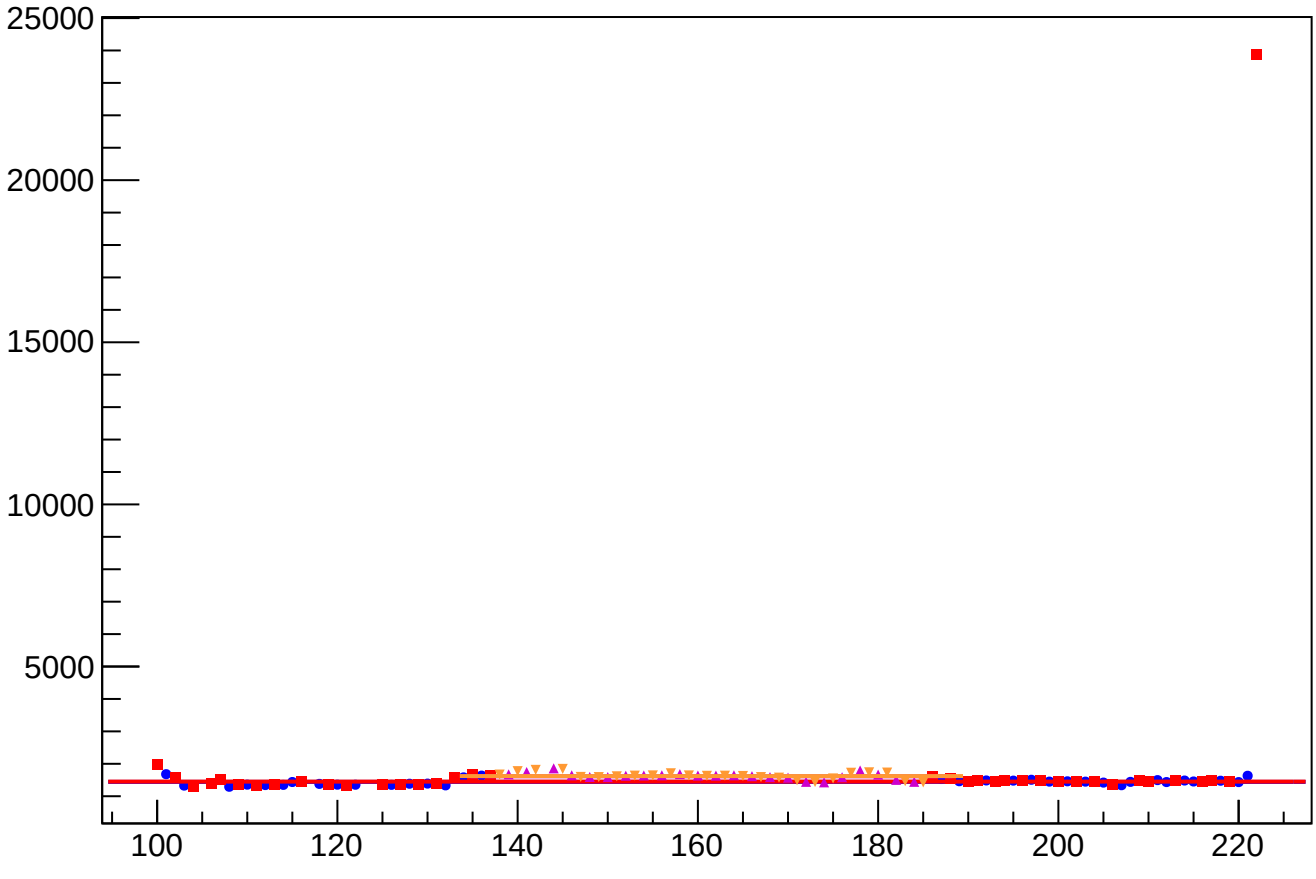
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2156.329+/-221.521 χ^2/NDF: 36.4/70

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1722.090+/-241.636 χ^2/NDF:69.6/60

All: 1930.989+/-170.493 χ^2/NDF: 104.3/117



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: 1450.853+/-0.222 χ^2/NDF: 1676450.6/36

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

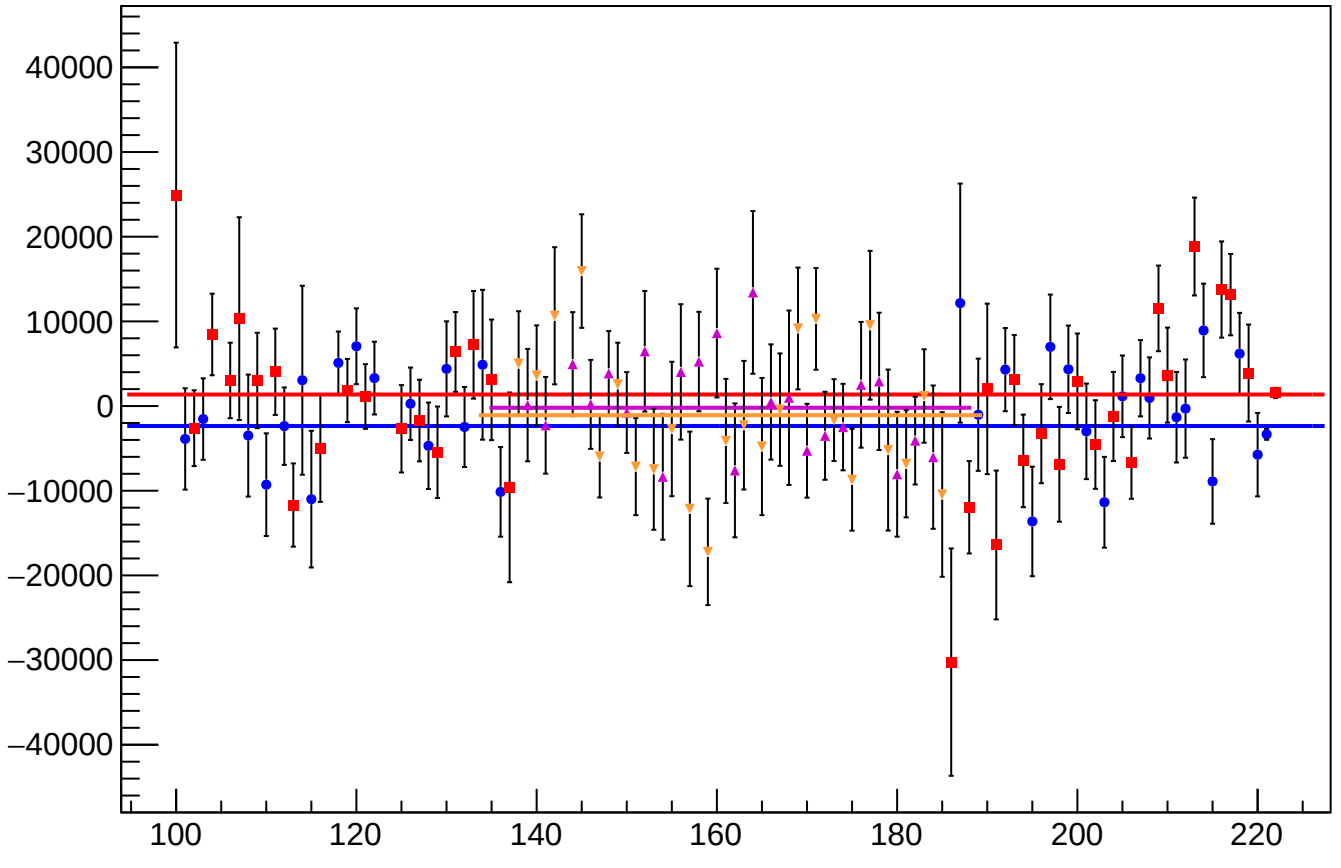
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1446.048+/-0.157 χ^2/NDF: 1817540.2/70

In: 1511.925+/-0.170 χ^2/NDF:530468.6/56

Out: 1520.584+/-0.171 χ^2/NDF:2058420.9/60

All: 1516.238+/-0.121 χ^2/NDF: 2590179.9/11



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: 1364.413+/-505.448 χ^2/NDF: 68.9/36

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

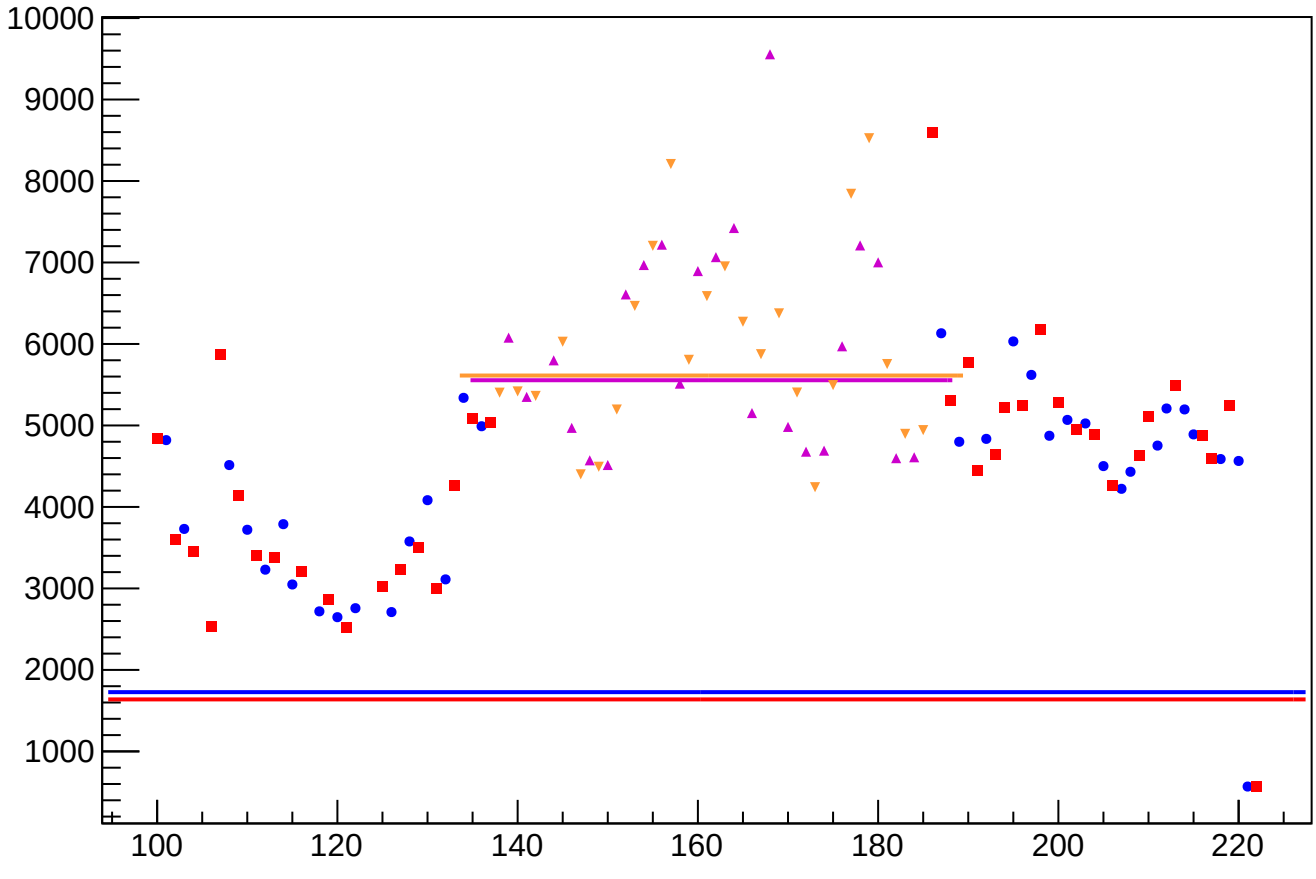
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -414.822+/-365.236 χ^2/NDF: 140.1/70

In: -2063.465+/-490.835 χ^2/NDF:60.4/56

Out: 1056.618+/-472.587 χ^2/NDF:104.8/60

All: -444.346+/-340.438 χ^2/NDF: 186.2/117



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: 1638.041+/-0.357 χ^2/NDF: 23281584.3/36

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

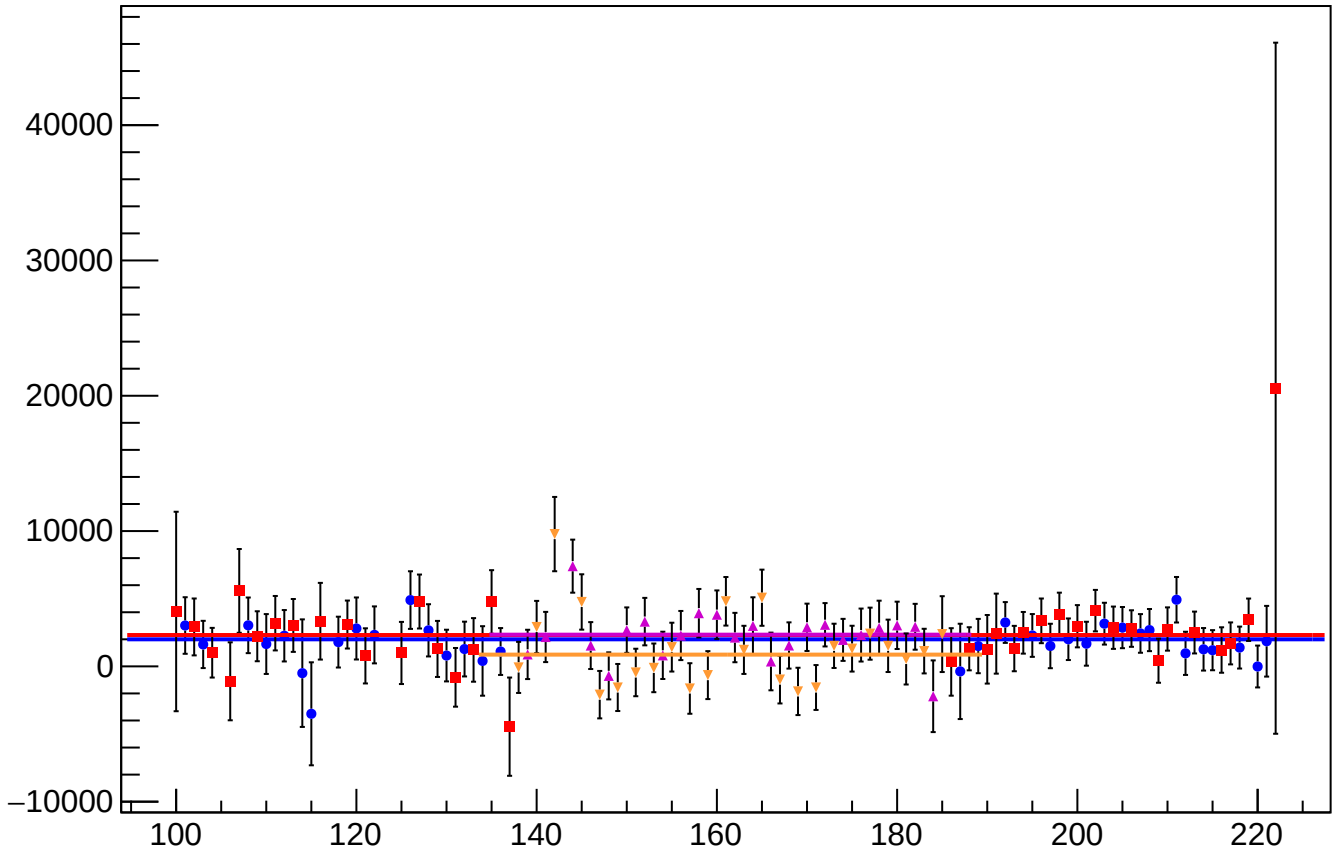
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 1680.627+/-0.258 χ^2/NDF: 45401494.5/70

In: 2251.504+/-0.347 χ^2/NDF:37802508.4/56

Out: 2138.070+/-0.334 χ^2/NDF:40028440.1/60

All: 2192.639+/-0.241 χ^2/NDF: 77886380.2/1



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: 2316.343+/-314.694 χ^2/NDF: 21.1/36

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

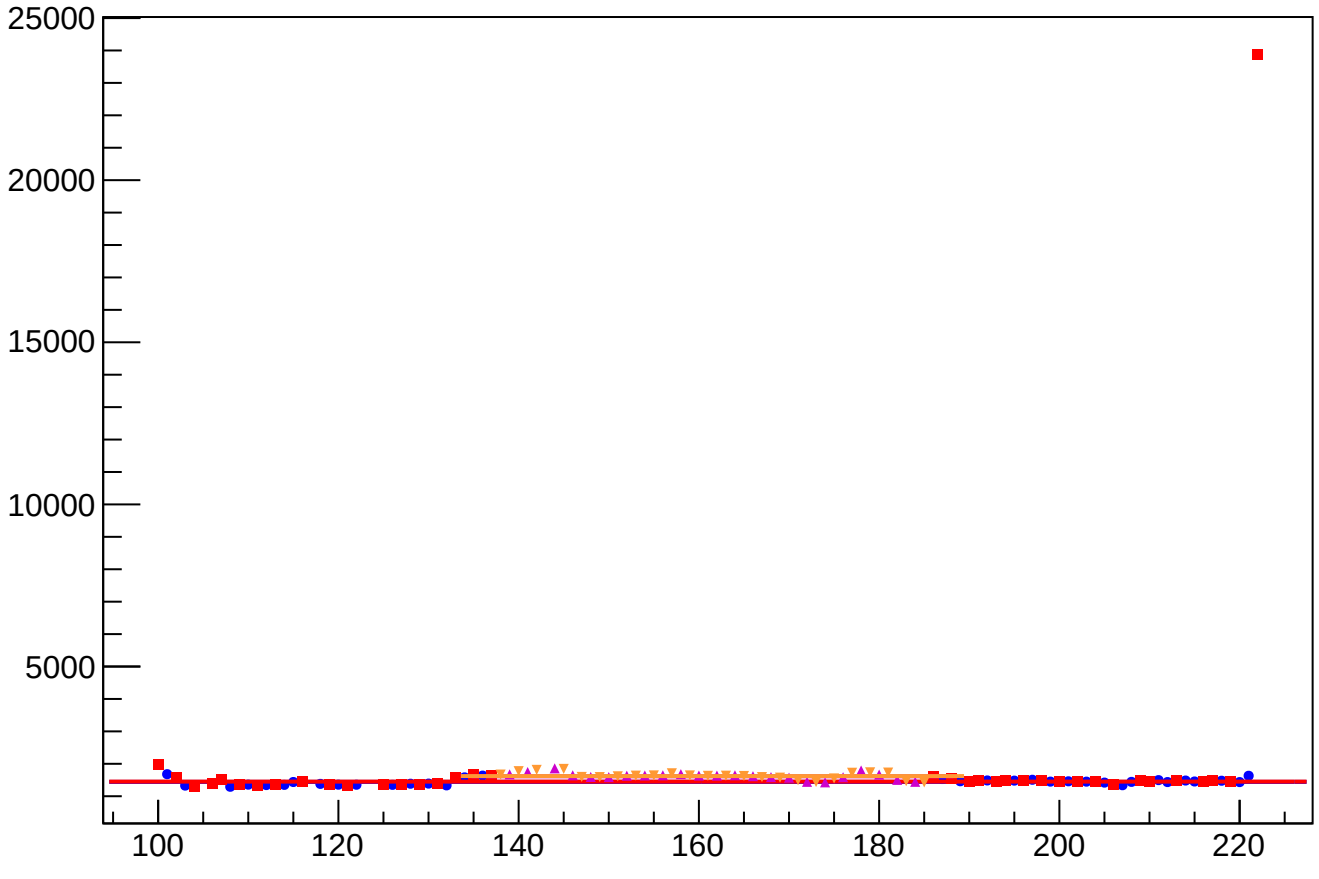
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2156.328+/-221.521 χ^2/NDF: 36.4/70

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1722.086+/-241.636 χ^2/NDF:69.6/60

All: 1930.987+/-170.493 χ^2/NDF: 104.3/117



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: 1450.853+/-0.222 χ^2/NDF: 1676450.9/36

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

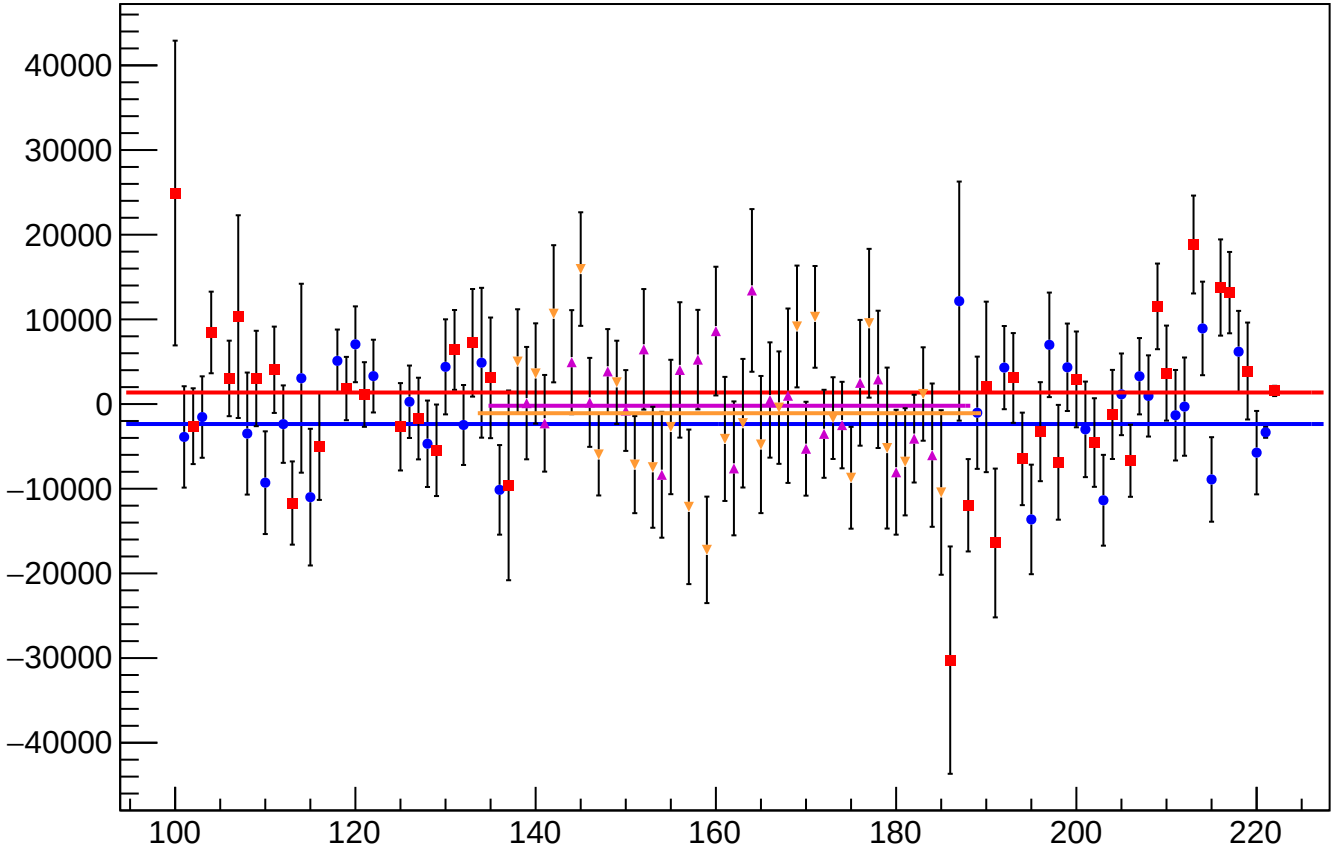
Right: 1446.048+/-0.157 χ^2/NDF: 1817540.4/70

In: 1511.926+/-0.170 χ^2/NDF:530476.5/56

Out: 1520.584+/-0.171 χ^2/NDF:2058429.6/60

All: 1516.239+/-0.121 χ^2/NDF: 2590196.4/11

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2358.985+/-528.356 χ^2/NDF: 45.2/33

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 1364.415+/-505.448 χ^2/NDF: 68.9/36

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

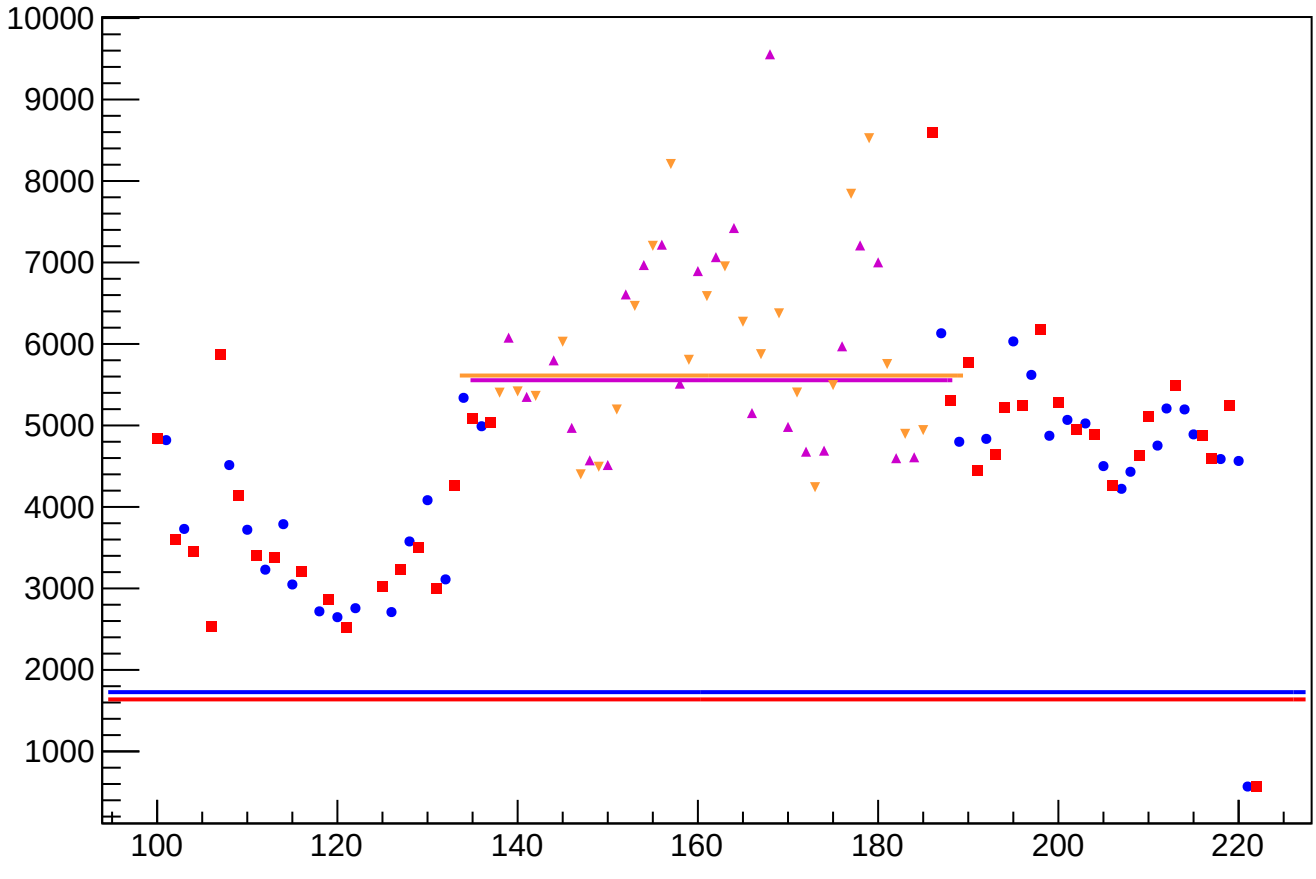
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -414.818+/-365.236 χ^2/NDF: 140.1/70

In: -2063.466+/-490.836 χ^2/NDF:60.4/56

Out: 1056.619+/-472.586 χ^2/NDF:104.8/60

All: -444.343+/-340.438 χ^2/NDF: 186.2/117



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: 1638.038+/-0.357 χ^2/NDF: 23281610.6/36

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

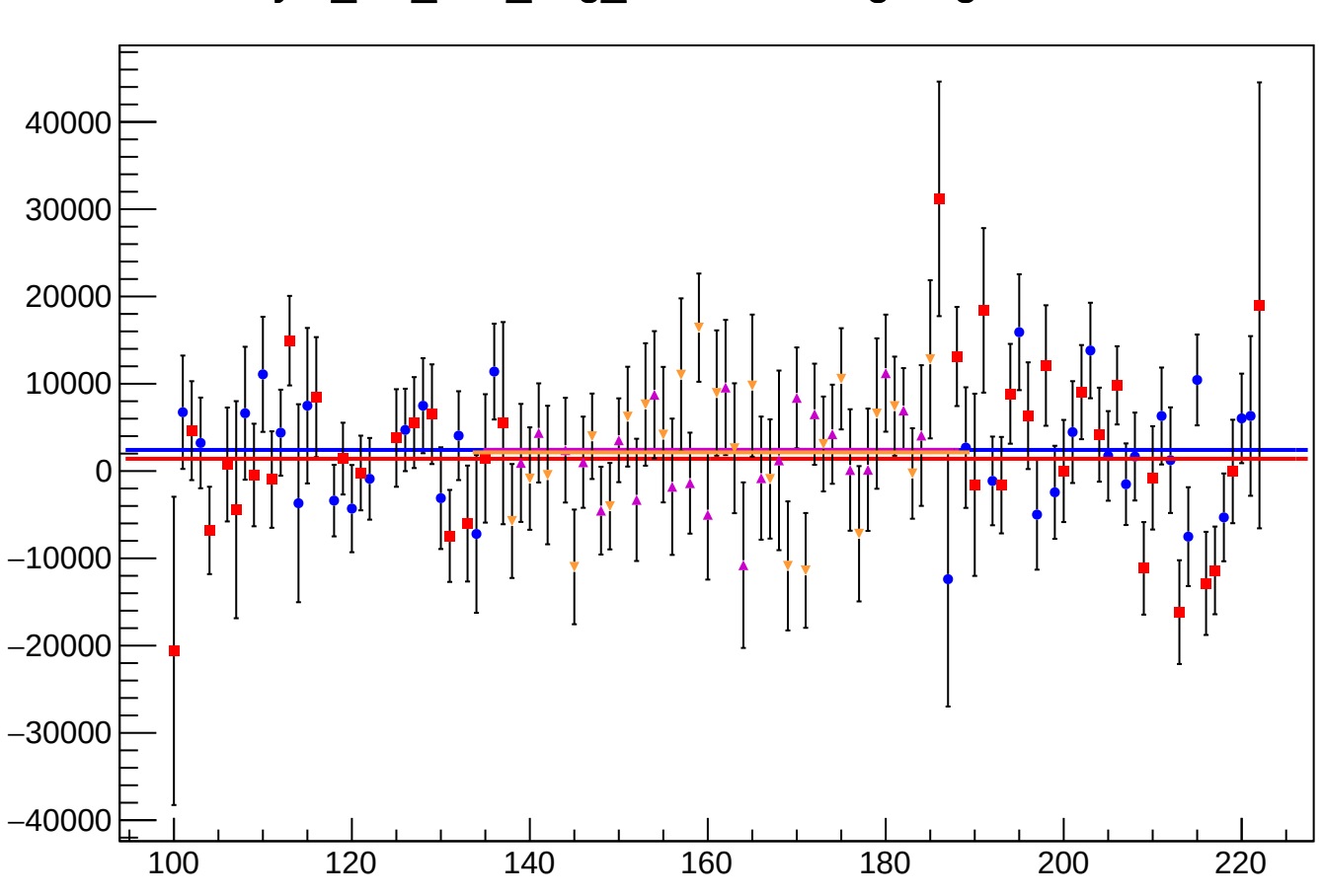
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 1680.627+/-0.258 χ^2/NDF: 45401505.1/70

In: 2251.507+/-0.347 χ^2/NDF:37802490.1/56

Out: 2138.066+/-0.334 χ^2/NDF:40028523.0/60

All: 2192.638+/-0.241 χ^2/NDF: 77886451.8/1



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: 1405.543+/-985.559 χ^2/NDF: 69.8/36

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

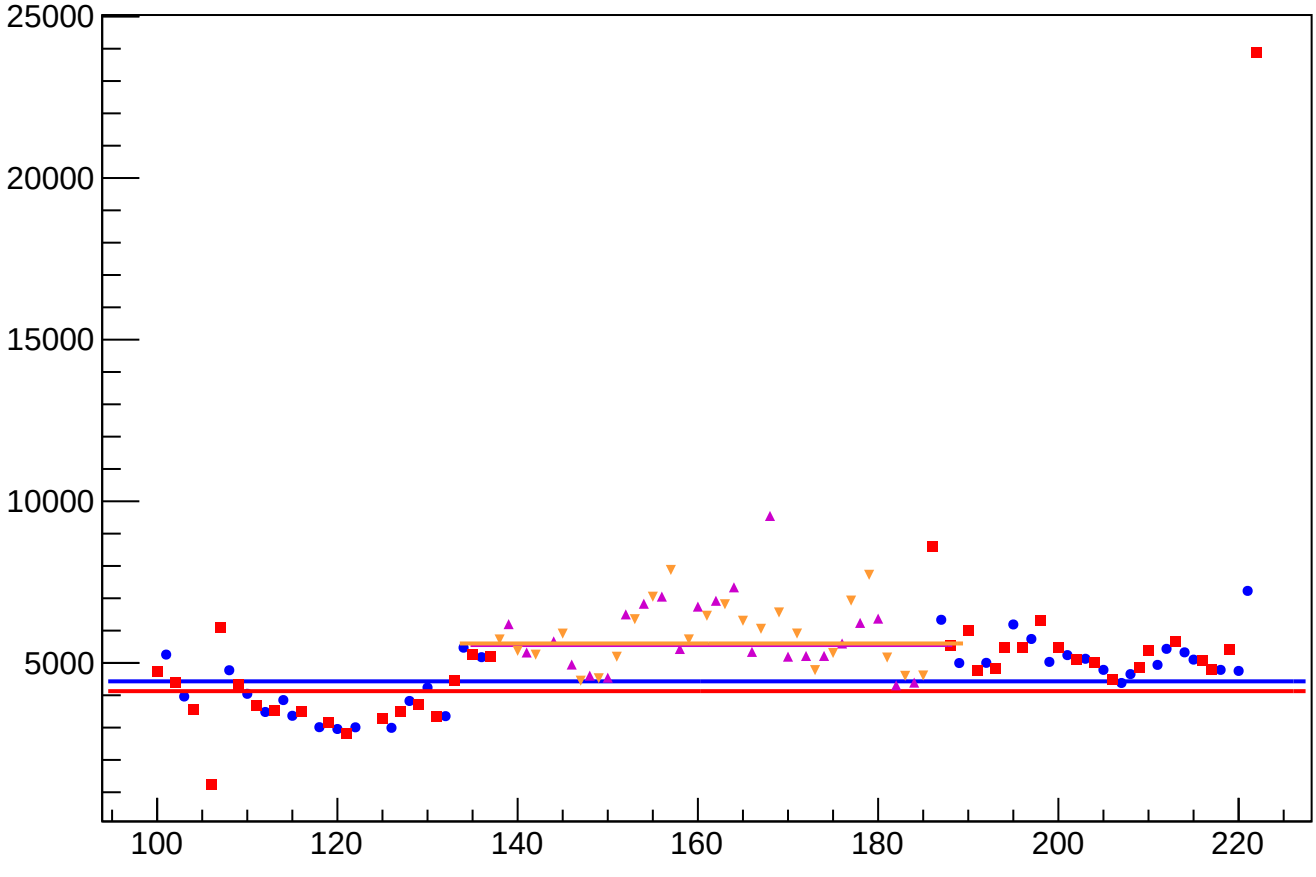
Right: 1918.005+/-693.394 χ^2/NDF: 105.9/70

In: 2423.036+/-784.863 χ^2/NDF:48.4/56

Out: 1666.646+/-790.657 χ^2/NDF:100.6/60

All: 2047.623+/-557.019 χ^2/NDF: 149.5/117

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: 4127.407+/-0.665 χ^2/NDF: 5448596.0/36

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

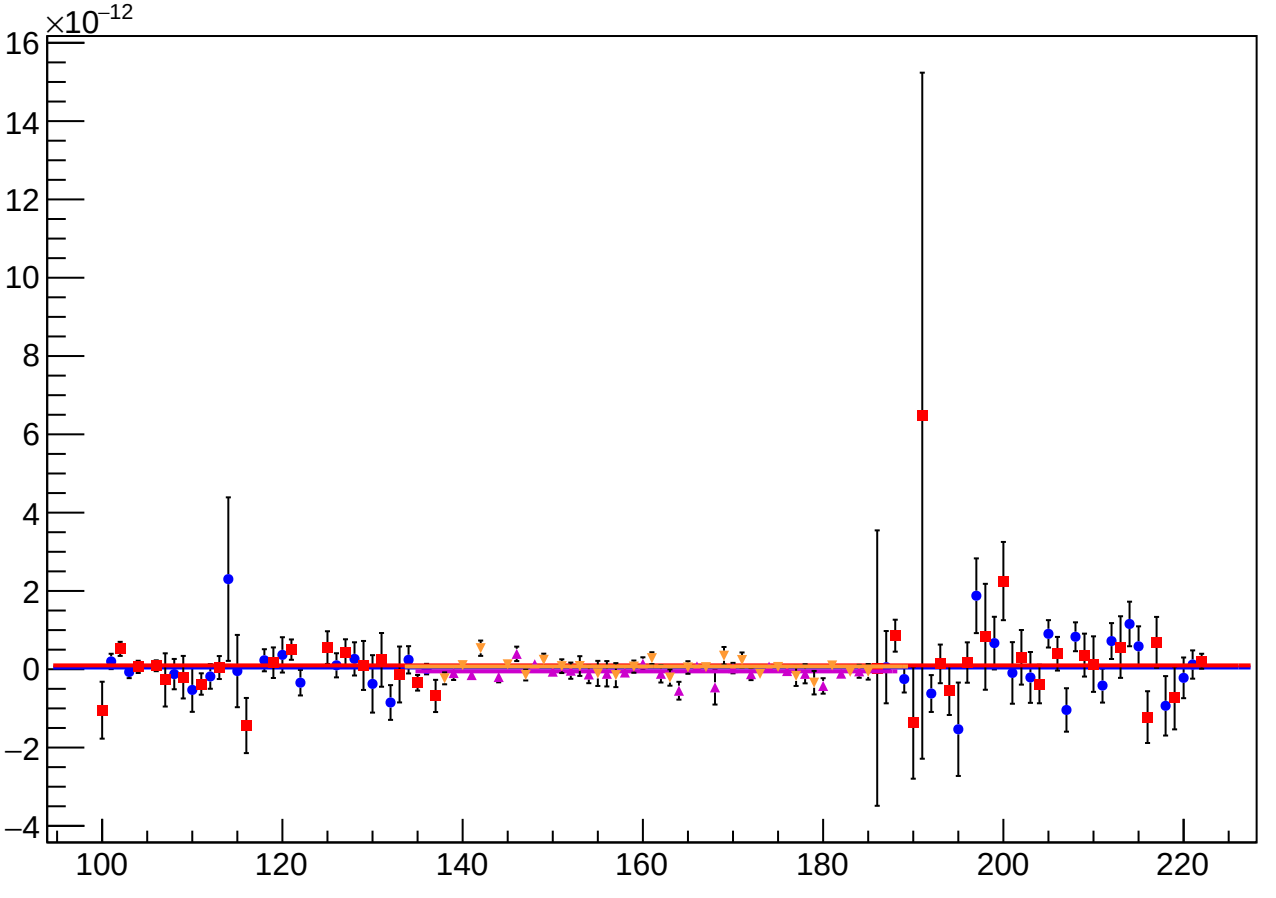
Right: 4273.474+/-0.479 χ^2/NDF: 7450223.0/70

In: 4827.143+/-0.555 χ^2/NDF:3949563.7/56

Out: 4621.999+/-0.542 χ^2/NDF:8037569.3/60

All: 4722.203+/-0.388 χ^2/NDF: 12057027.9/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 45.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 49.0/36

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

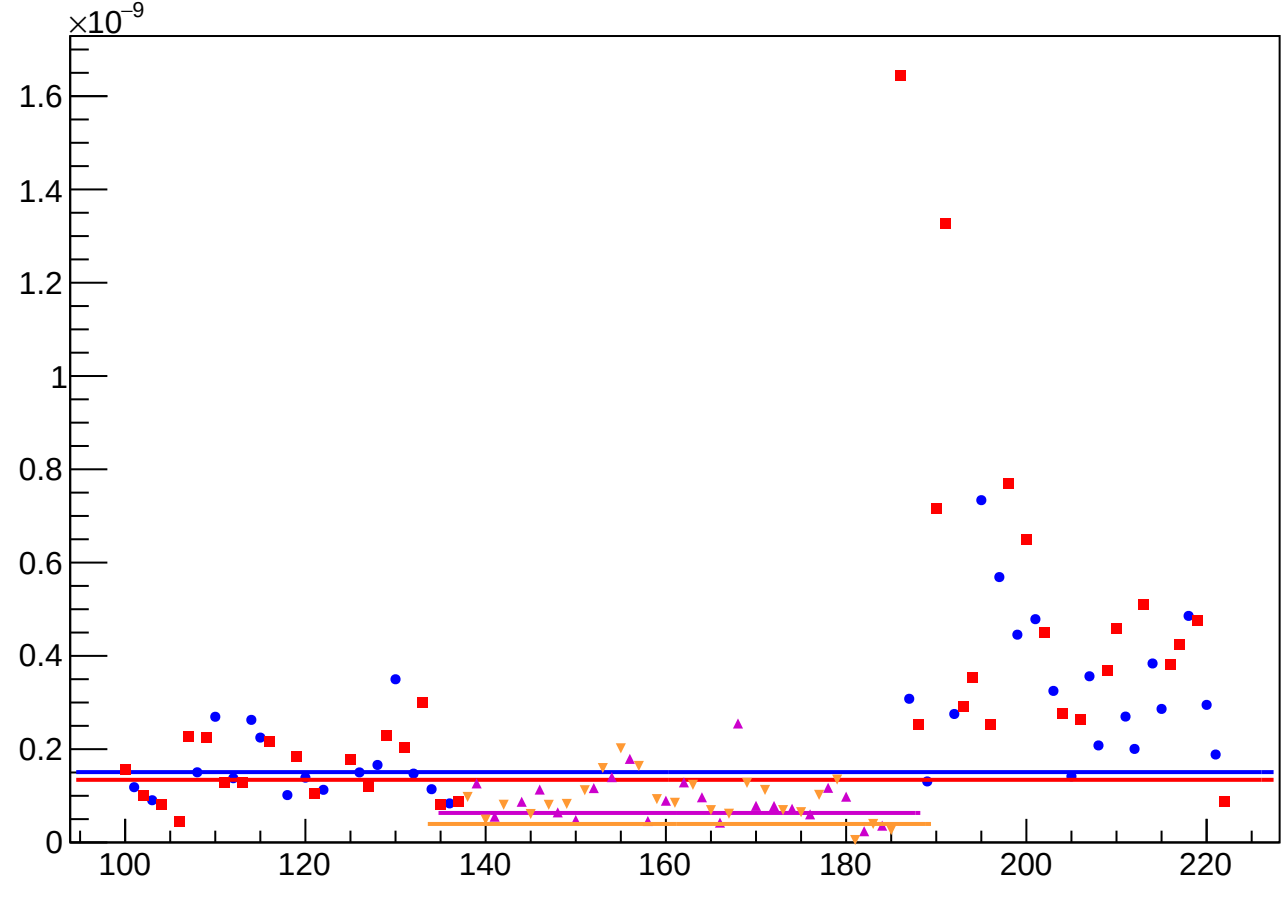
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 94.8/70

In: -0.000+/-0.000 χ^2/NDF:72.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.5/60

All: 0.000+/-0.000 χ^2/NDF: 161.8/117



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: 7256618.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

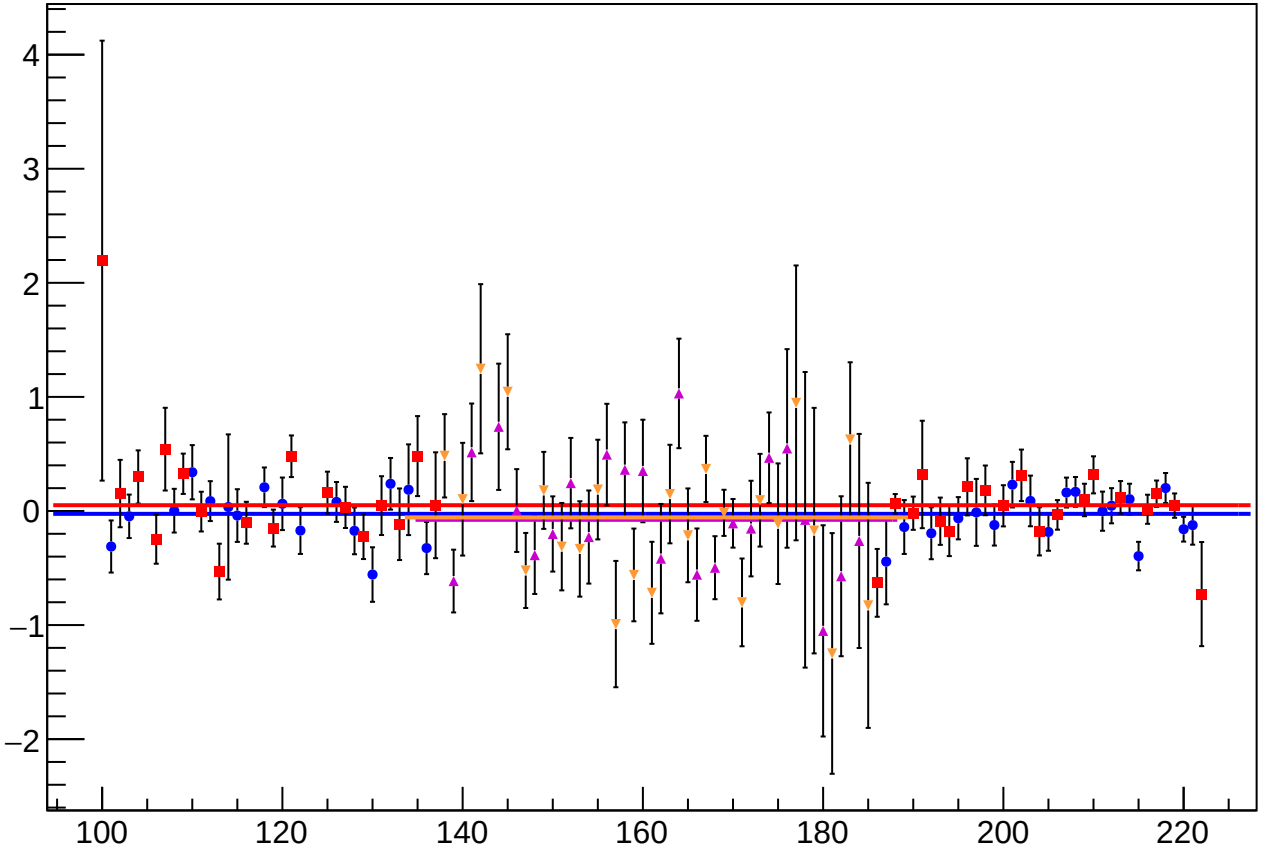
Right: 0.000+/-0.000 χ^2/NDF: 12038357.9/70

In: 0.000+/-0.000 χ^2/NDF:11071071.4/56

Out: 0.000+/-0.000 χ^2/NDF:18934166.8/60

All: 0.000+/-0.000 χ^2/NDF: 31353823.1/117

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: 0.051+/-0.030 χ^2/NDF: 44.1/36

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

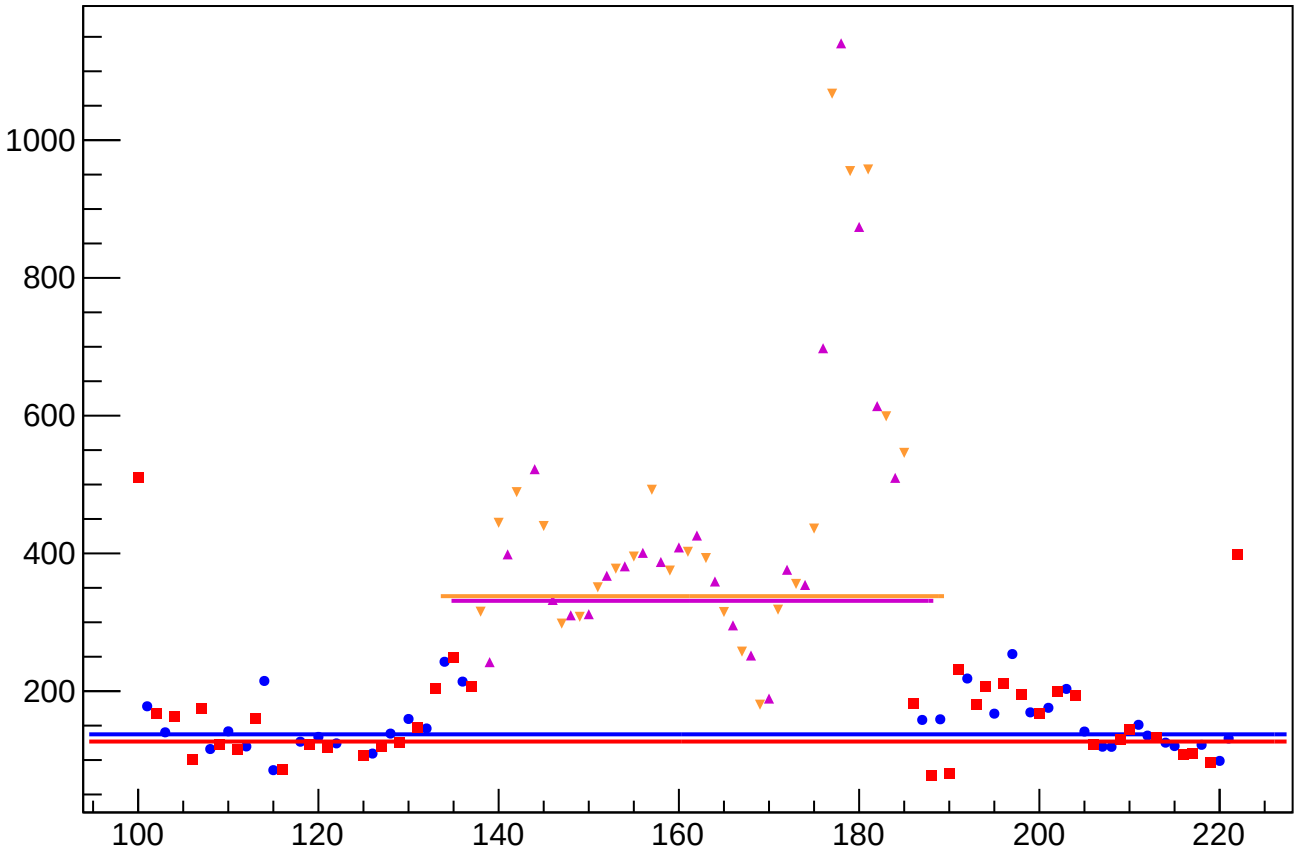
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.015+/-0.021 χ^2/NDF: 87.4/70

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.039+/-0.028 χ^2/NDF:75.9/60

All: 0.005+/-0.020 χ^2/NDF: 146.5/117



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: 126.863+/-0.021 χ^2/NDF: 4218504.8/36

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

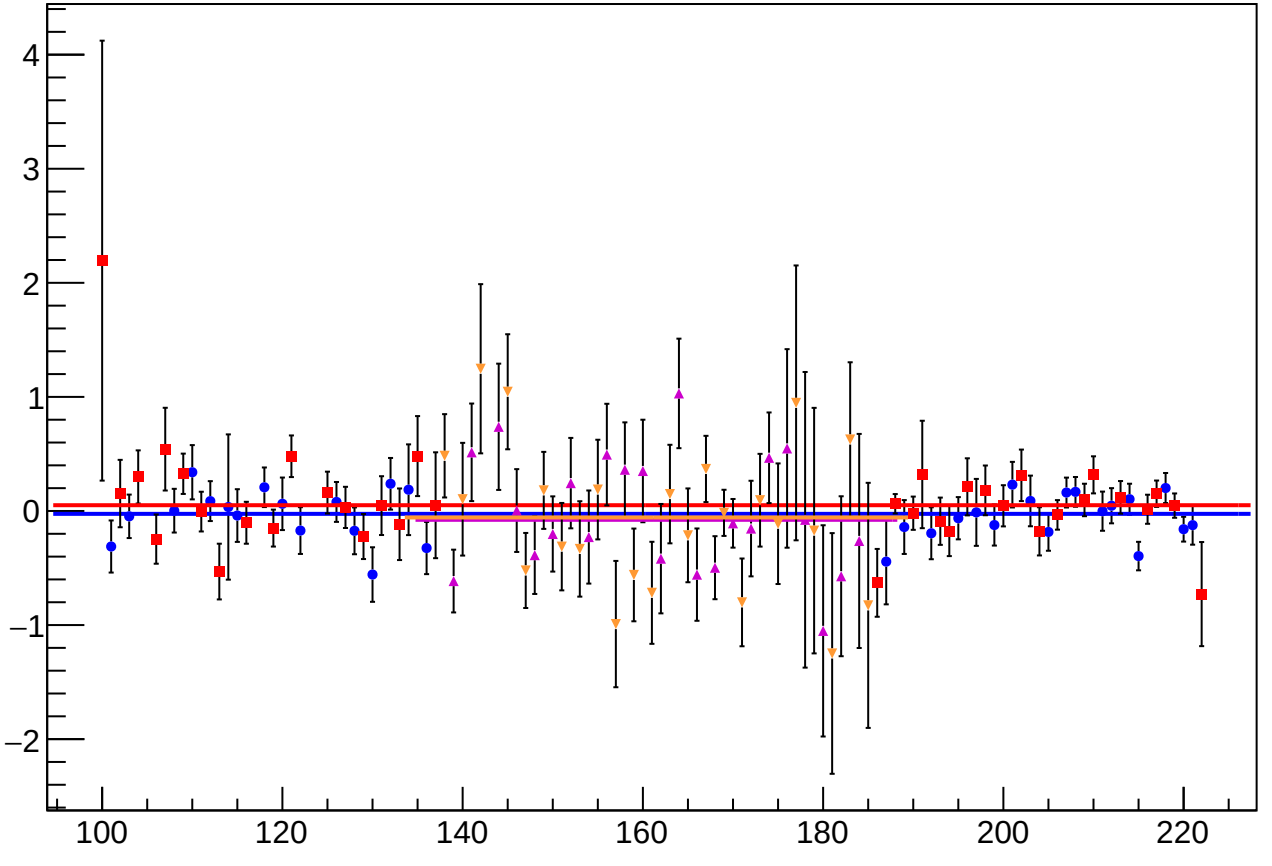
Right: 131.817+/-0.015 χ^2/NDF: 6413251.6/70

In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 149.455+/-0.020 χ^2/NDF:19630149.6/60

All: 155.036+/-0.014 χ^2/NDF: 35452809.2/1

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: 0.051+/-0.030 χ^2/NDF: 44.1/36

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

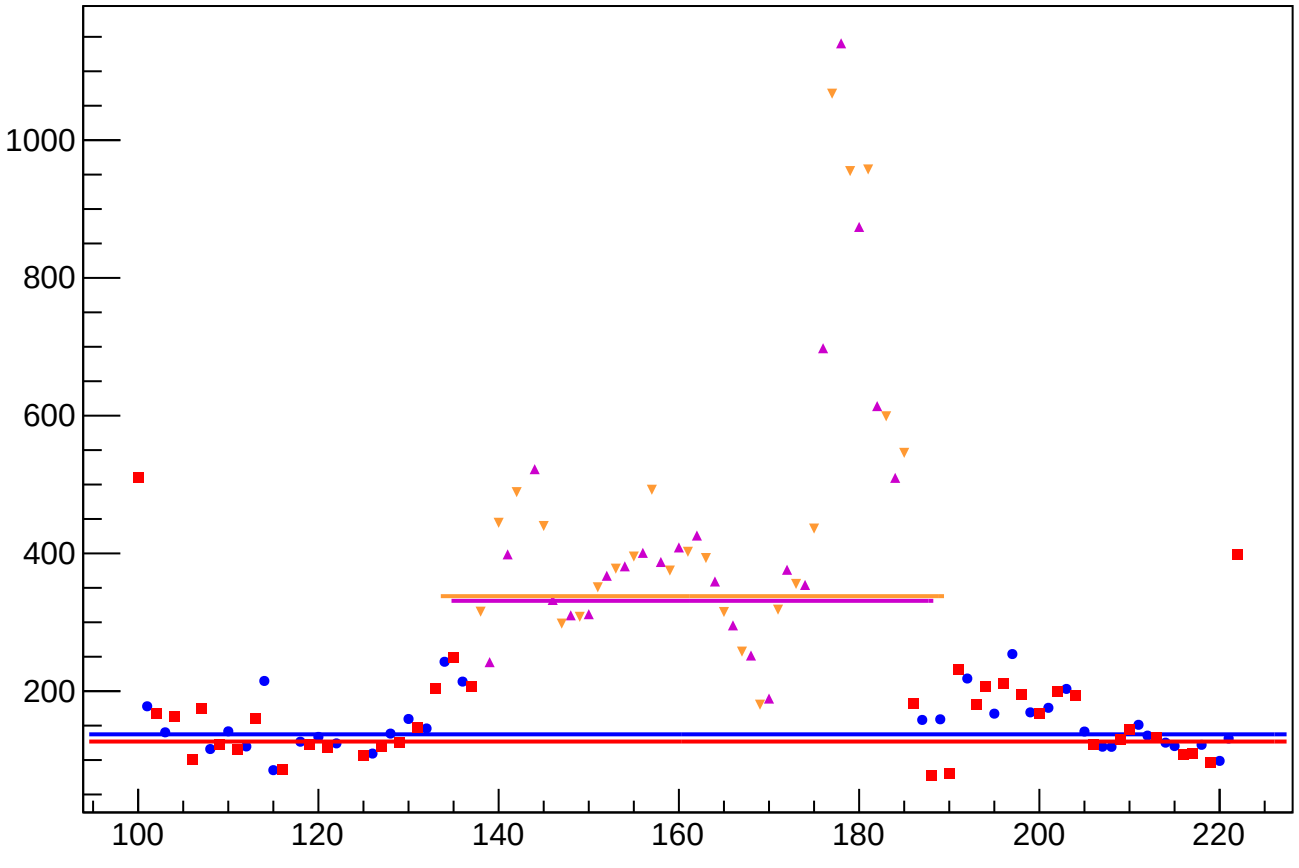
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.015+/-0.021 χ^2/NDF: 87.4/70

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.039+/-0.028 χ^2/NDF:75.9/60

All: 0.005+/-0.020 χ^2/NDF: 146.5/117



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: 126.863+/-0.021 χ^2/NDF: 4218504.8/36

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

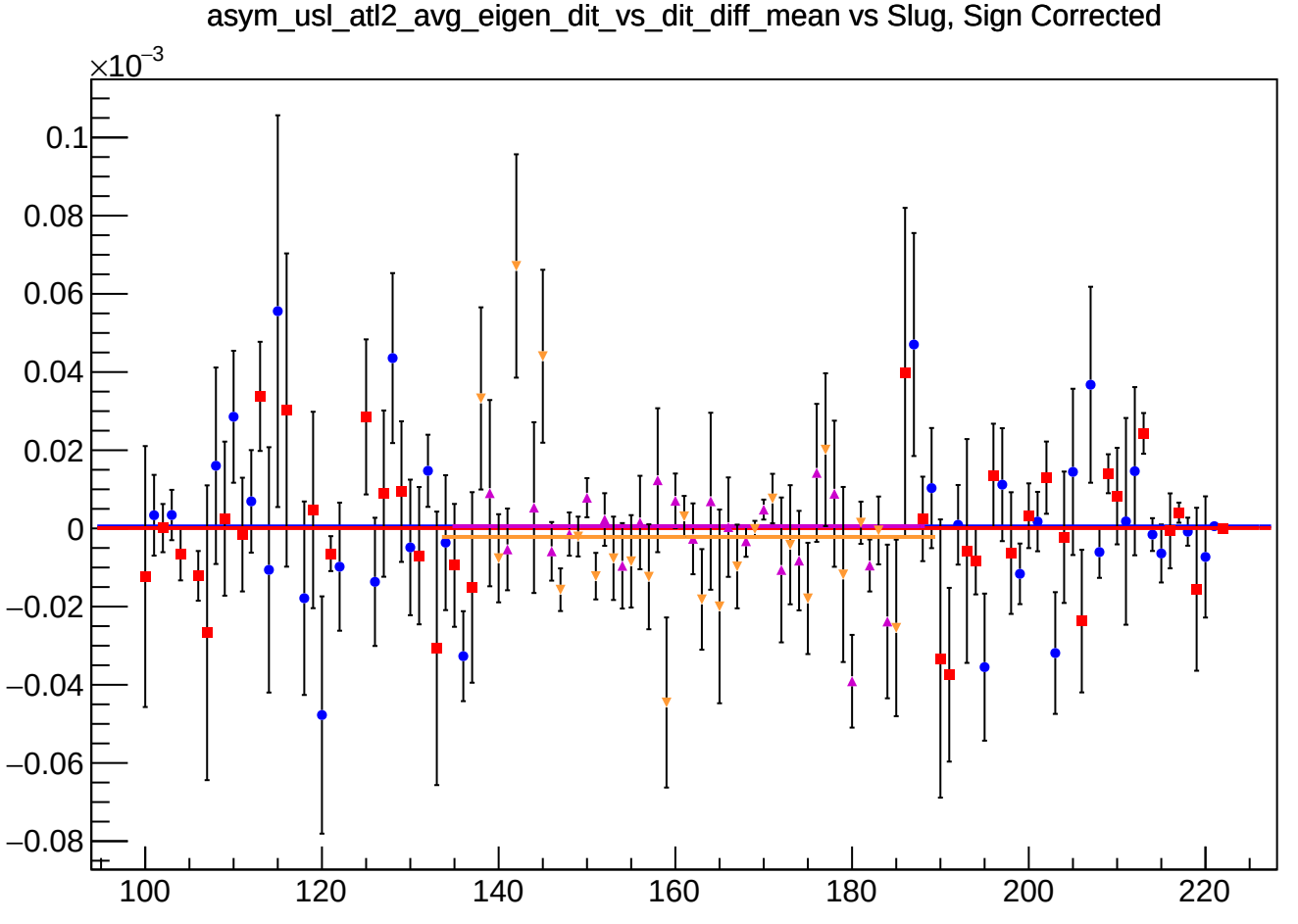
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 131.817+/-0.015 χ^2/NDF: 6413251.6/70

In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 149.455+/-0.020 χ^2/NDF:19630149.6/60

All: 155.036+/-0.014 χ^2/NDF: 35452809.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 43.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 61.7/36

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

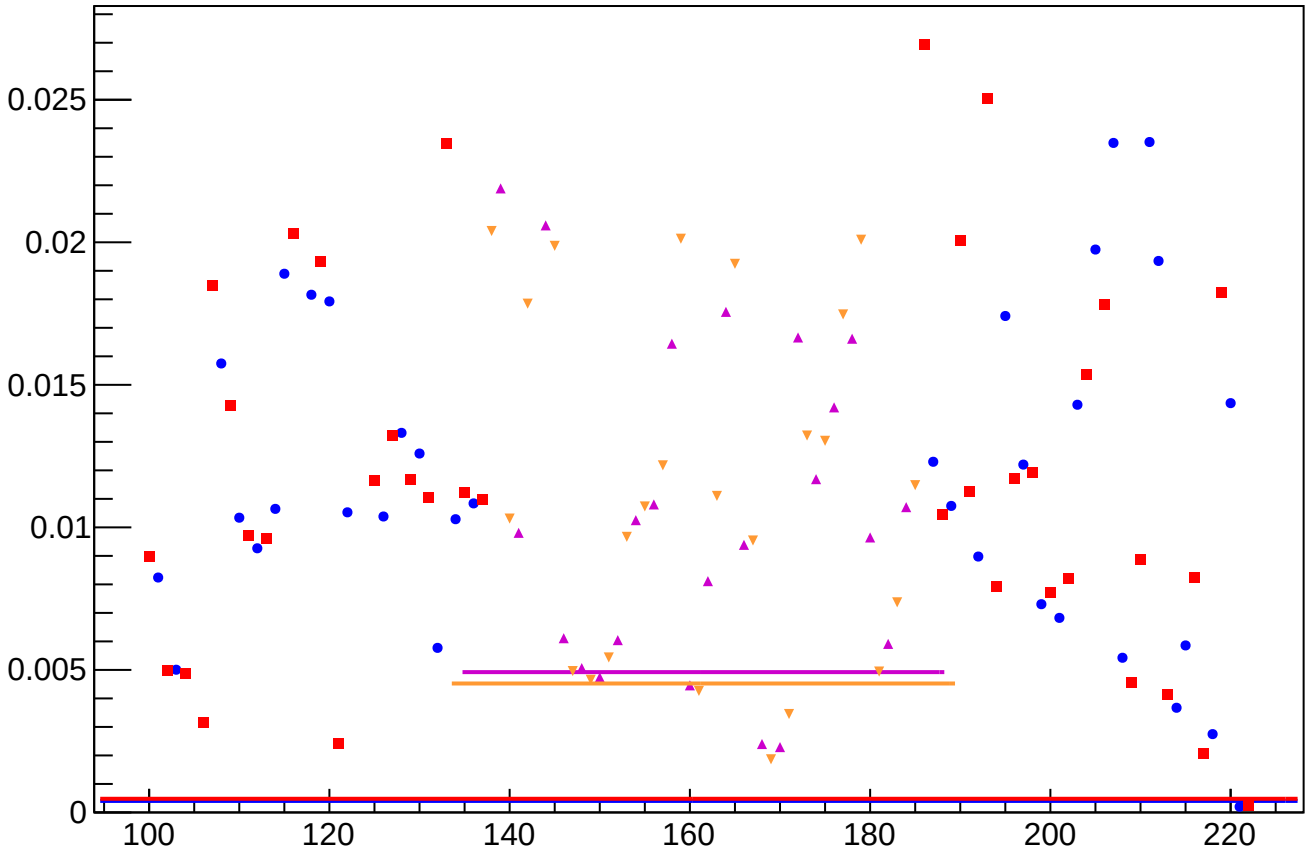
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 106.1/70

In: 0.000+/-0.000 χ^2/NDF:69.8/56

Out: -0.000+/-0.000 χ^2/NDF:102.1/60

All: 0.000+/-0.000 χ^2/NDF: 173.4/117



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: 0.000+/-0.000 χ^2/NDF: 35757357.0/36

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

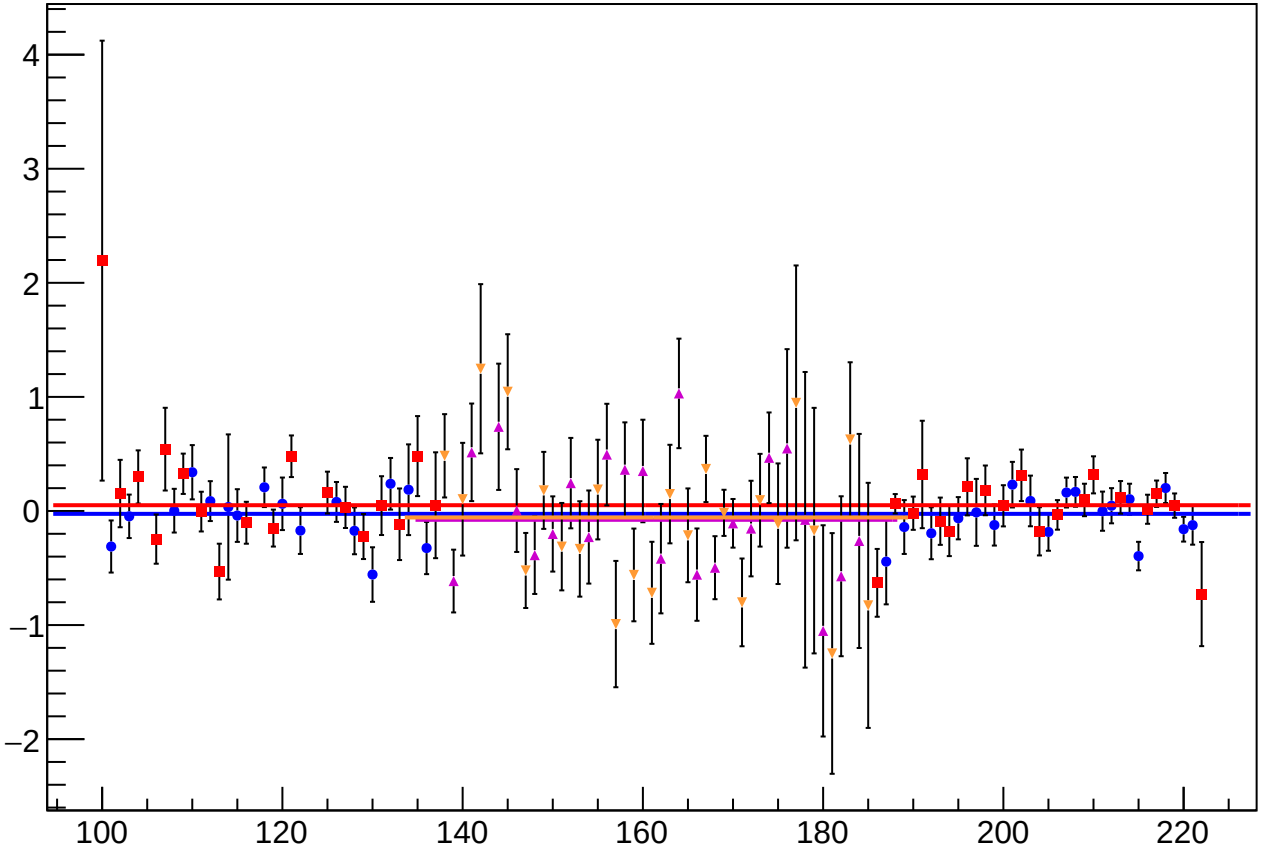
Right: 0.000+/-0.000 χ^2/NDF: 72114922.6/70

In: 0.001+/-0.000 χ^2/NDF:65469149.9/56

Out: 0.001+/-0.000 χ^2/NDF:65778821.6/60

All: 0.001+/-0.000 χ^2/NDF: 131346775.9/117

asym_usl_atl2_avg_eigen_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: 0.051+/-0.030 χ^2/NDF: 44.1/36

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

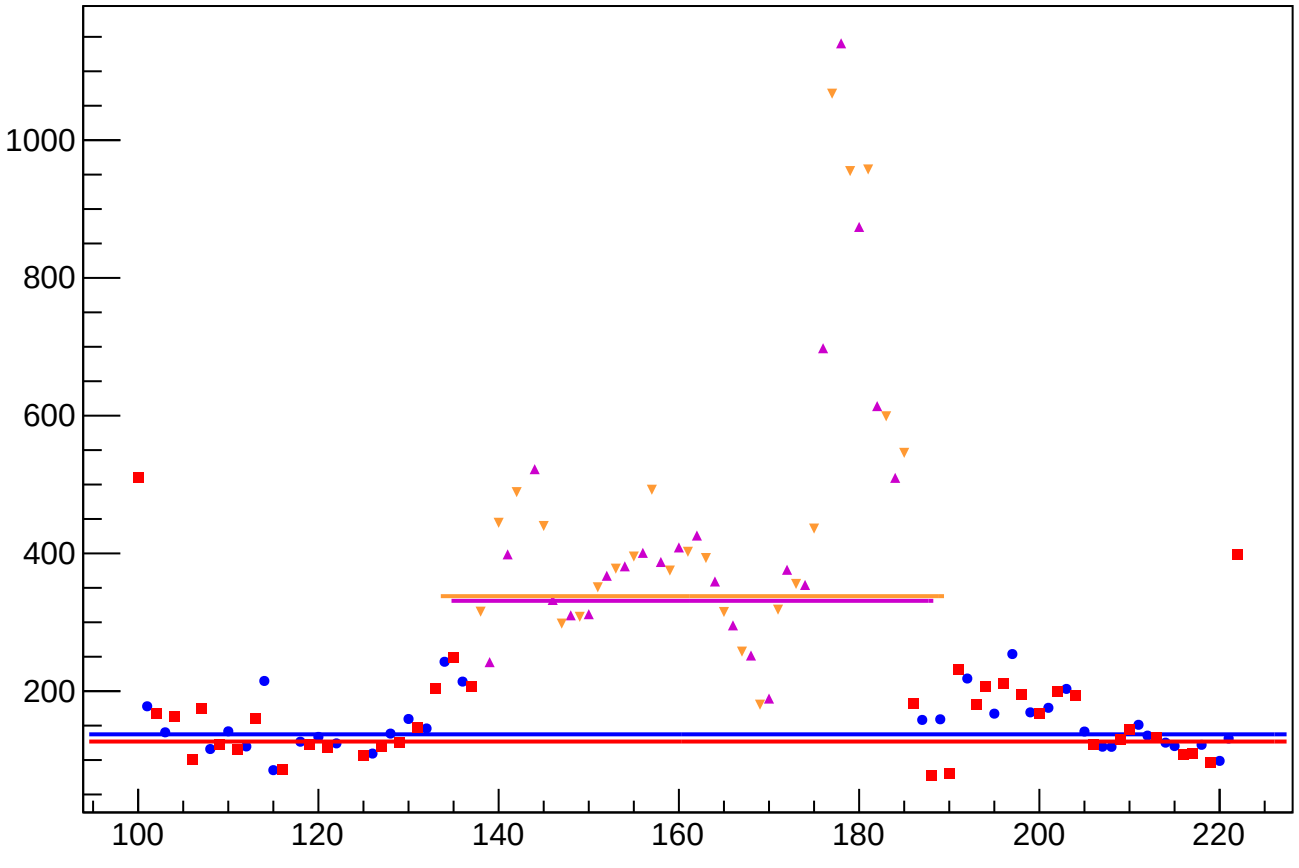
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.015+/-0.021 χ^2/NDF: 87.4/70

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.039+/-0.028 χ^2/NDF:75.9/60

All: 0.005+/-0.020 χ^2/NDF: 146.5/117



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: 126.862+/-0.021 χ^2/NDF: 4218645.2/36

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

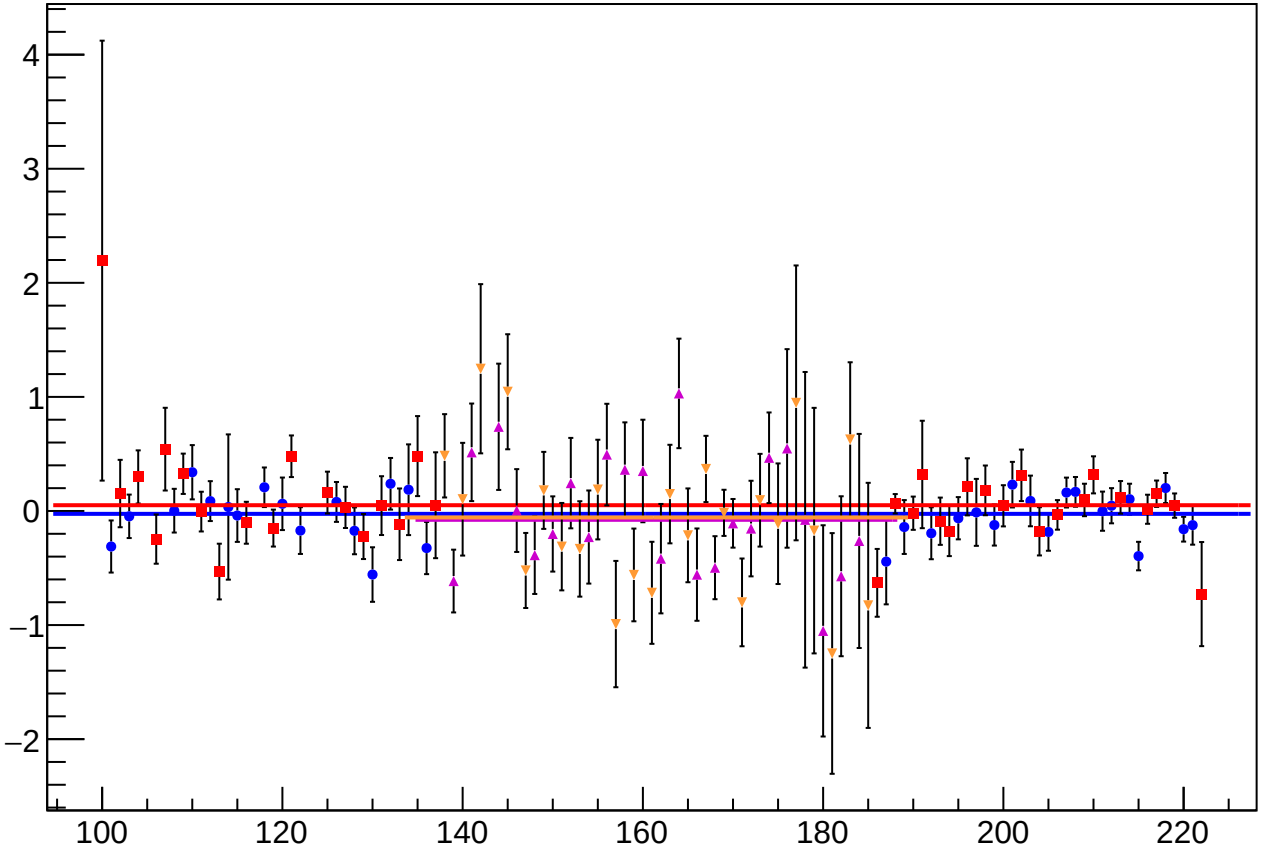
Right: 131.817+/-0.015 χ^2/NDF: 6413394.8/70

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 149.454+/-0.020 χ^2/NDF:19630565.8/60

All: 155.036+/-0.014 χ^2/NDF: 35453334.3/11

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.051+/-0.030 χ^2/NDF: 44.1/36

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

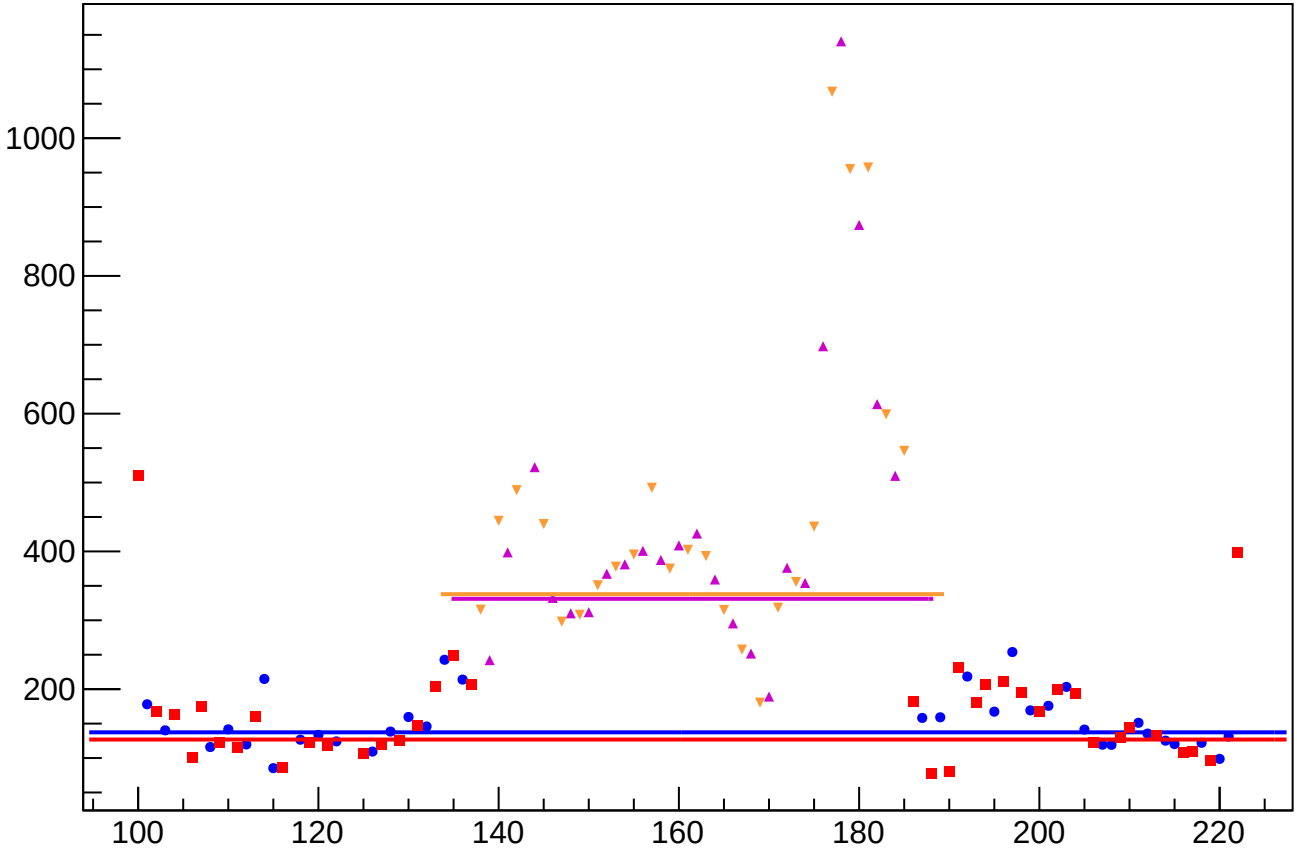
Right: 0.015+/-0.021 χ^2/NDF: 87.4/70

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.039+/-0.028 χ^2/NDF:75.9/60

All: 0.005+/-0.020 χ^2/NDF: 146.5/117

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 126.862+/-0.021 χ^2/NDF: 4218645.2/36

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

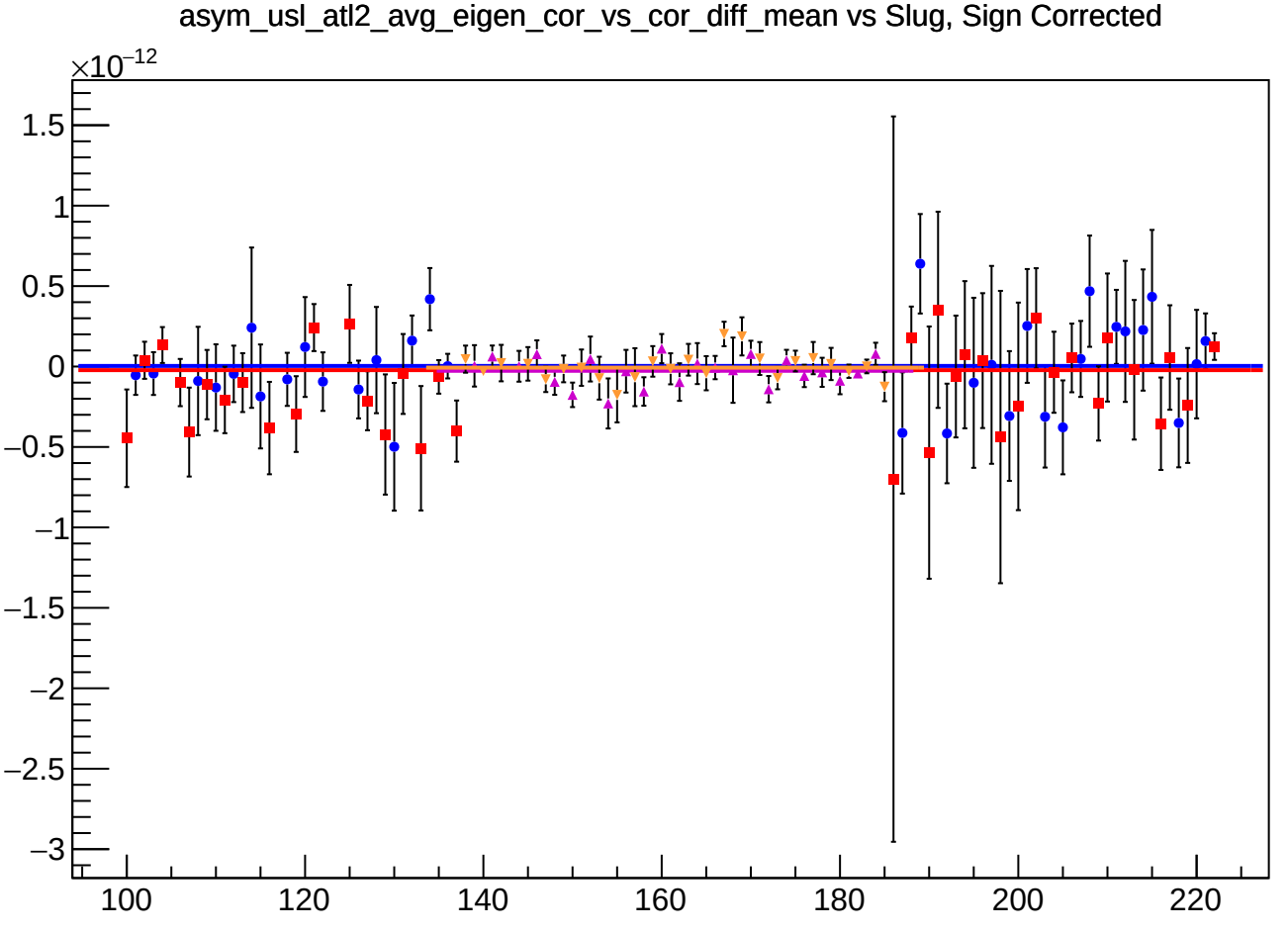
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 131.817+/-0.015 χ^2/NDF: 6413394.8/70

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 149.454+/-0.020 χ^2/NDF:19630565.8/60

All: 155.036+/-0.014 χ^2/NDF: 35453334.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/36

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

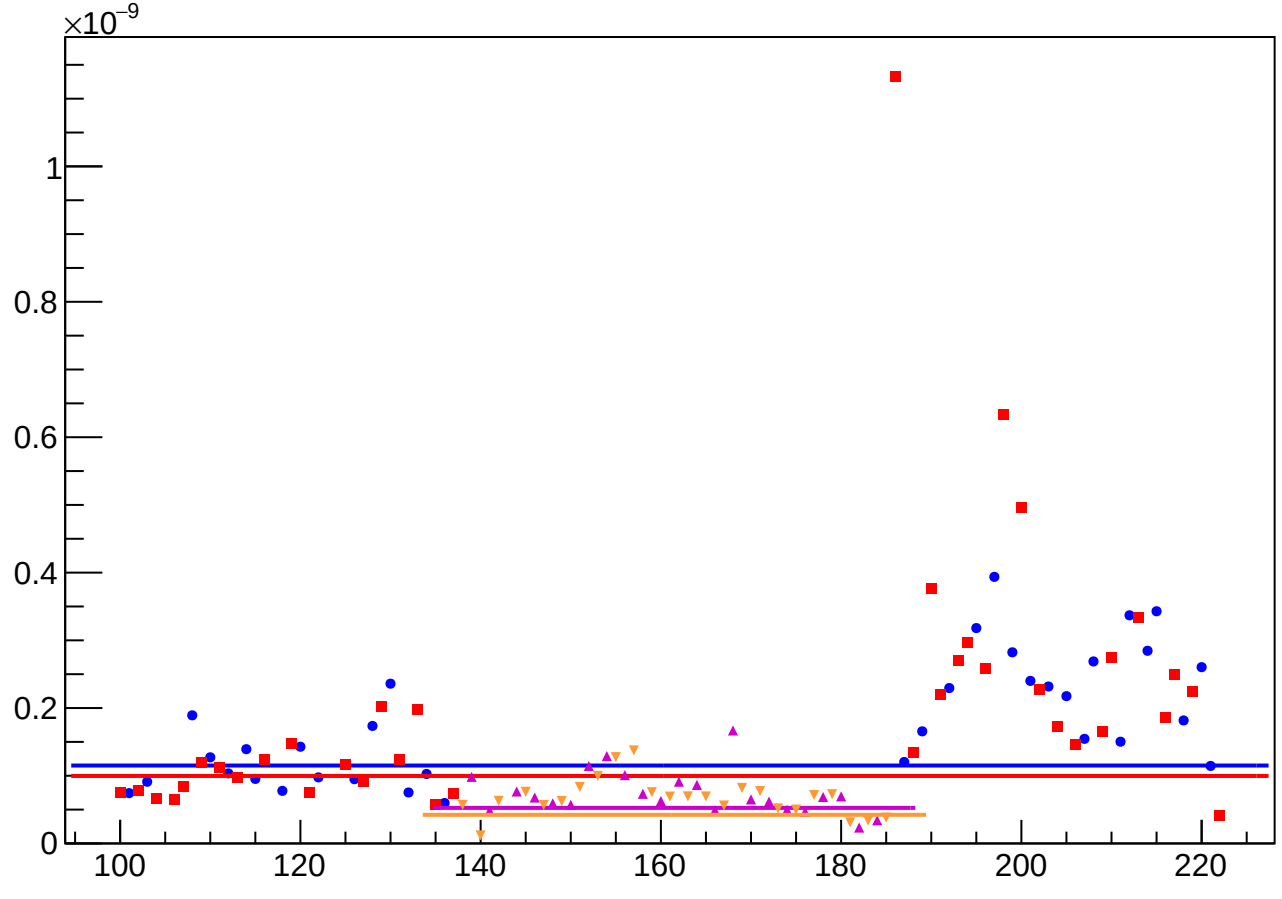
Right: -0.000+/-0.000 χ^2/NDF: 61.0/70

In: -0.000+/-0.000 χ^2/NDF:51.4/56

Out: -0.000+/-0.000 χ^2/NDF:50.9/60

All: -0.000+/-0.000 χ^2/NDF: 102.7/117

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: 8120707.5/36

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

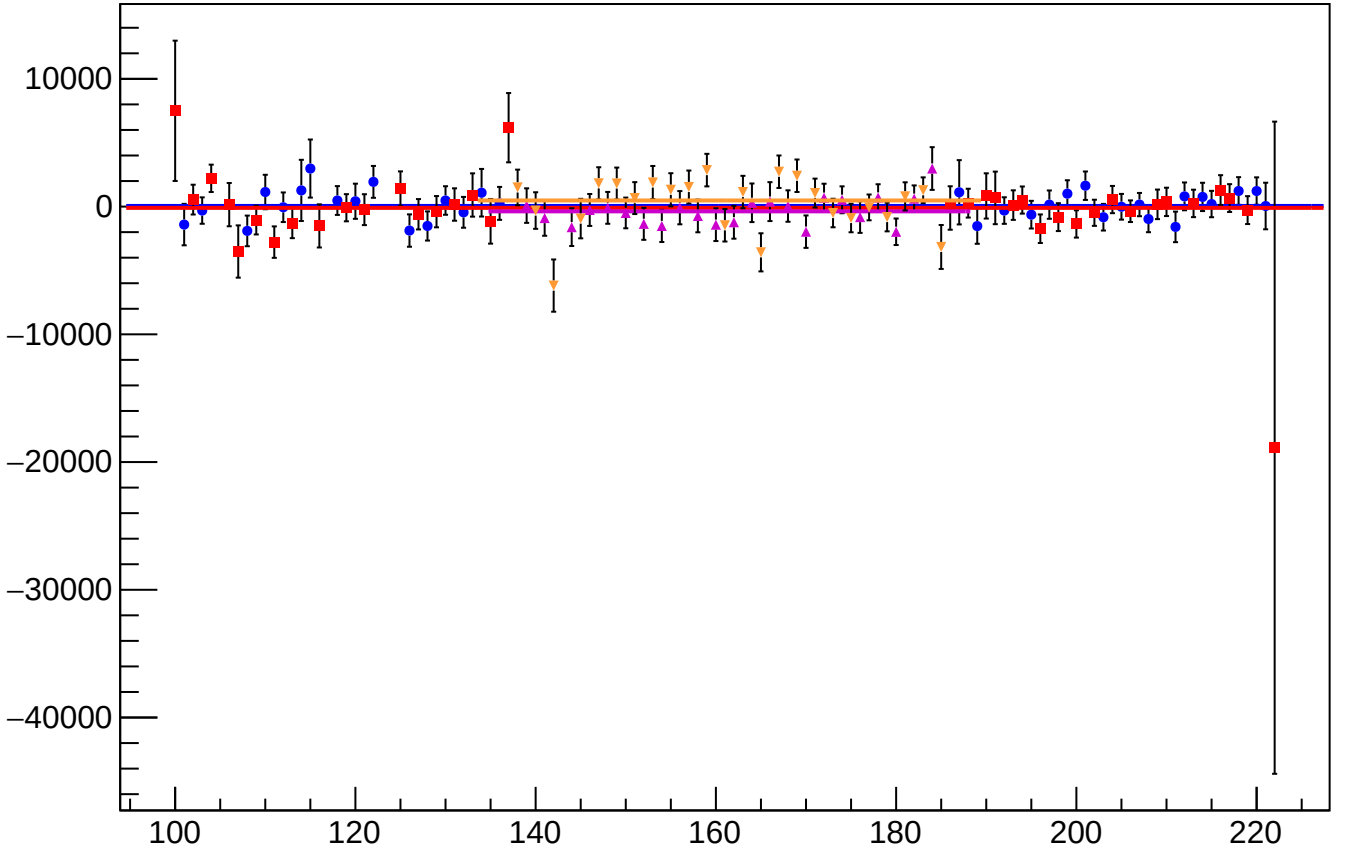
Right: 0.000+/-0.000 χ^2/NDF: 14965566.5/70

In: 0.000+/-0.000 χ^2/NDF:16428298.3/56

Out: 0.000+/-0.000 χ^2/NDF:19712317.7/60

All: 0.000+/-0.000 χ^2/NDF: 36825421.3/117

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: 50.043+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -99.348+/-206.009 χ^2/NDF: 32.7/36

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

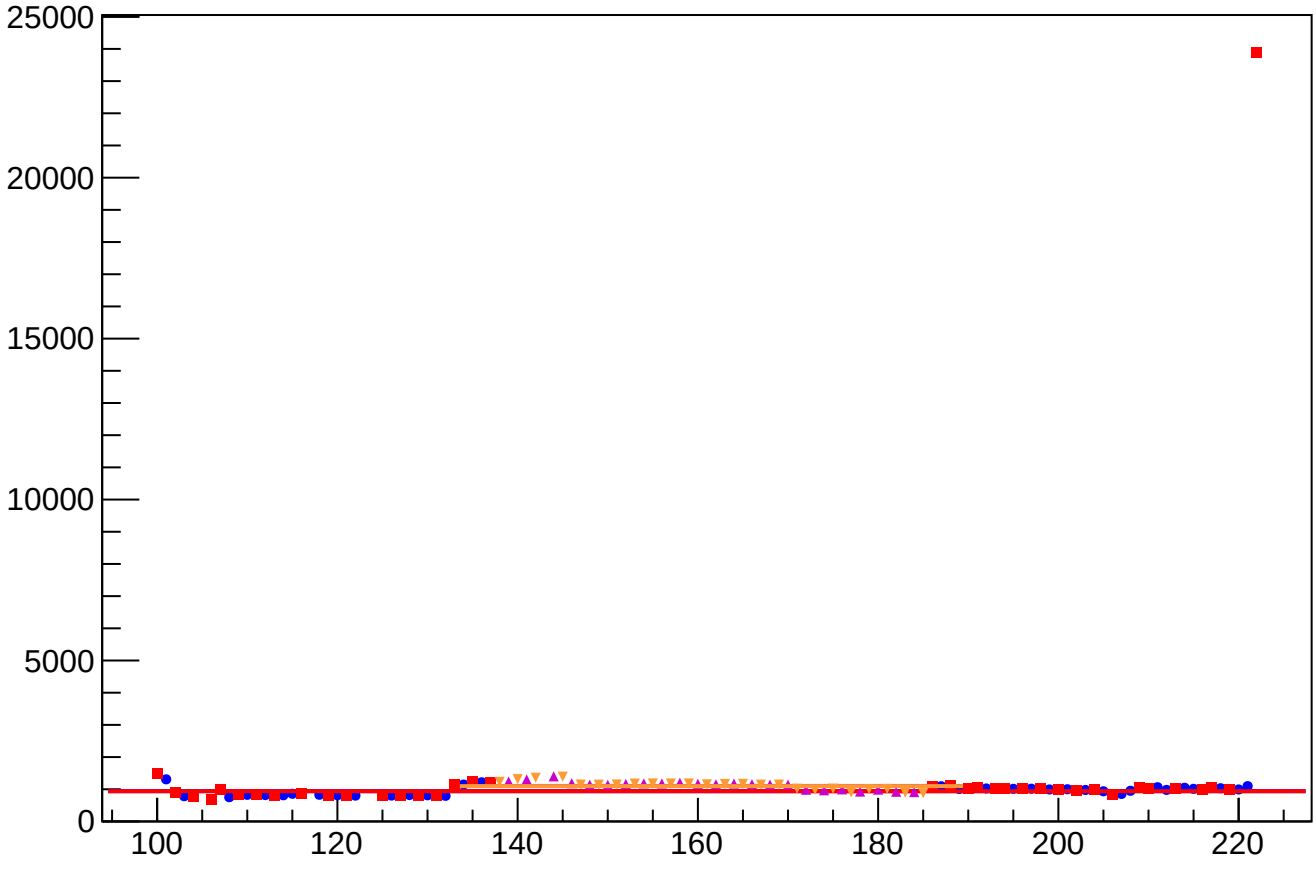
Right: -24.371+/-145.396 χ^2/NDF: 58.2/70

In: -112.862+/-160.930 χ^2/NDF:42.9/56

Out: 127.834+/-160.577 χ^2/NDF:81.0/60

All: 7.751+/-113.670 χ^2/NDF: 125.0/117

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: 939.144+/-0.145 χ^2/NDF: 2306435.2/36

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

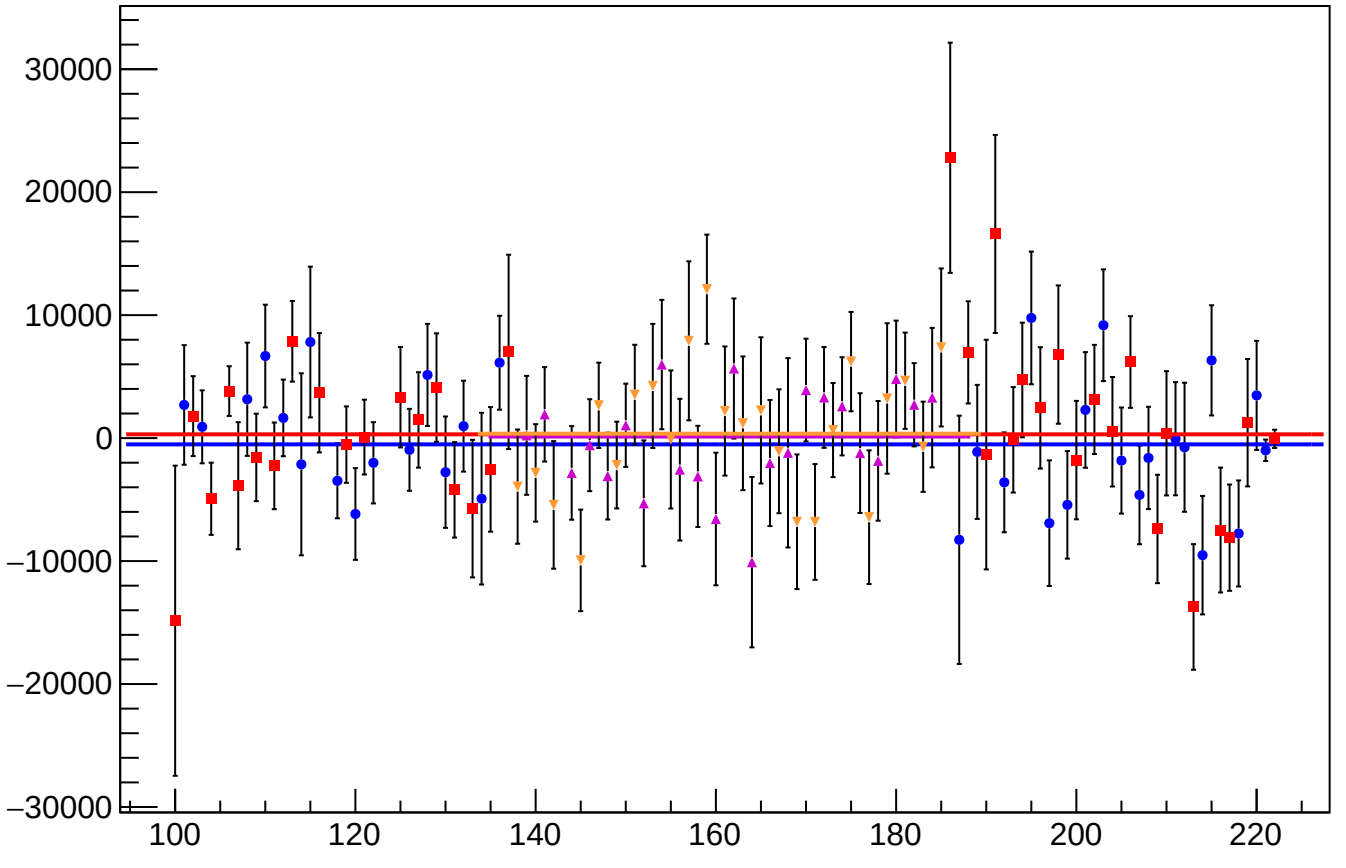
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 940.359+/-0.103 χ^2/NDF: 2987813.8/70

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1000.593+/-0.113 χ^2/NDF:3247934.7/60

All: 1002.216+/-0.080 χ^2/NDF: 4855303.2/11



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: 307.348+/-506.885 χ^2/NDF: 55.2/36

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

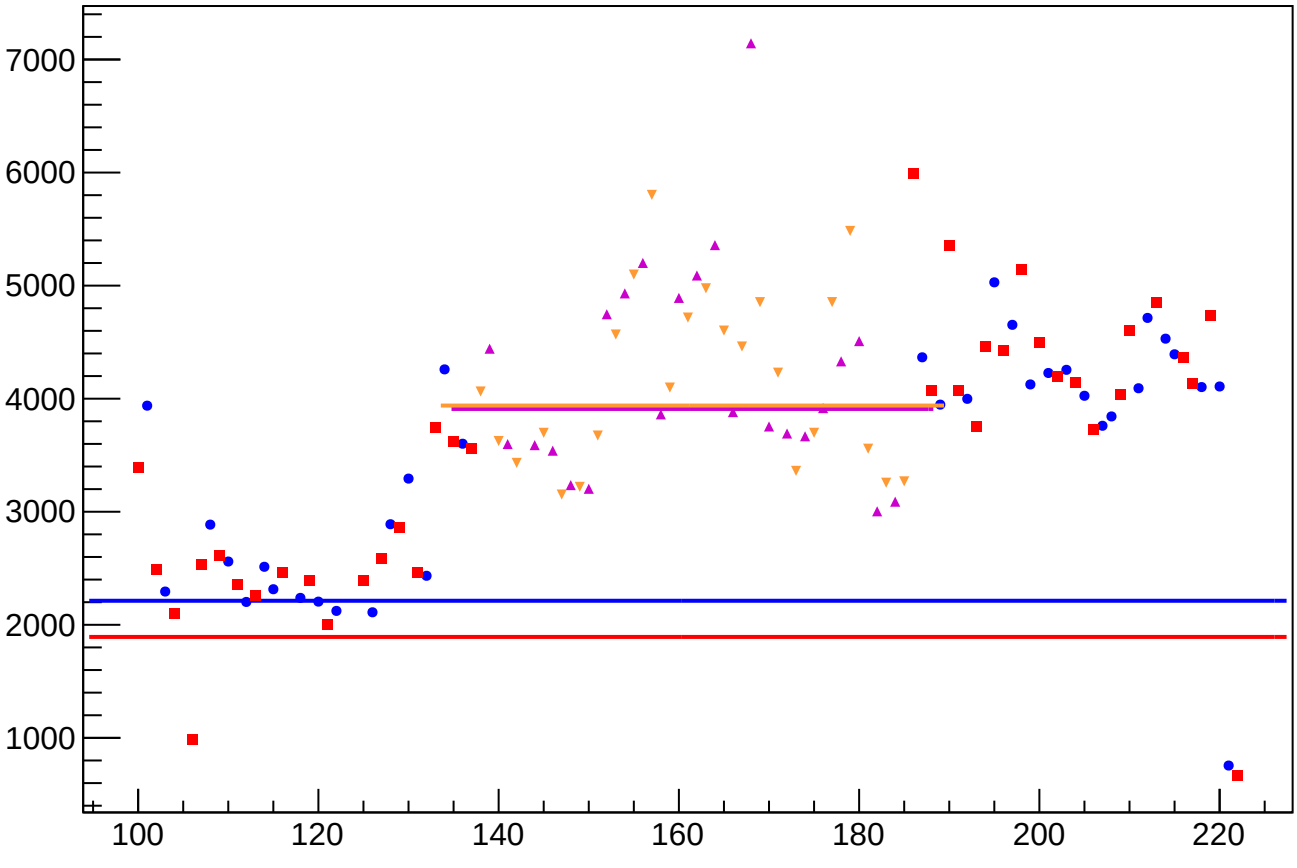
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: -56.115+/-377.410 χ^2/NDF: 95.6/70

In: -337.649+/-483.472 χ^2/NDF:53.4/56

Out: 318.806+/-445.530 χ^2/NDF:85.4/60

All: 17.344+/-327.631 χ^2/NDF: 139.8/117



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: 1892.842+/-0.358 χ^2/NDF: 15976651.5/36

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

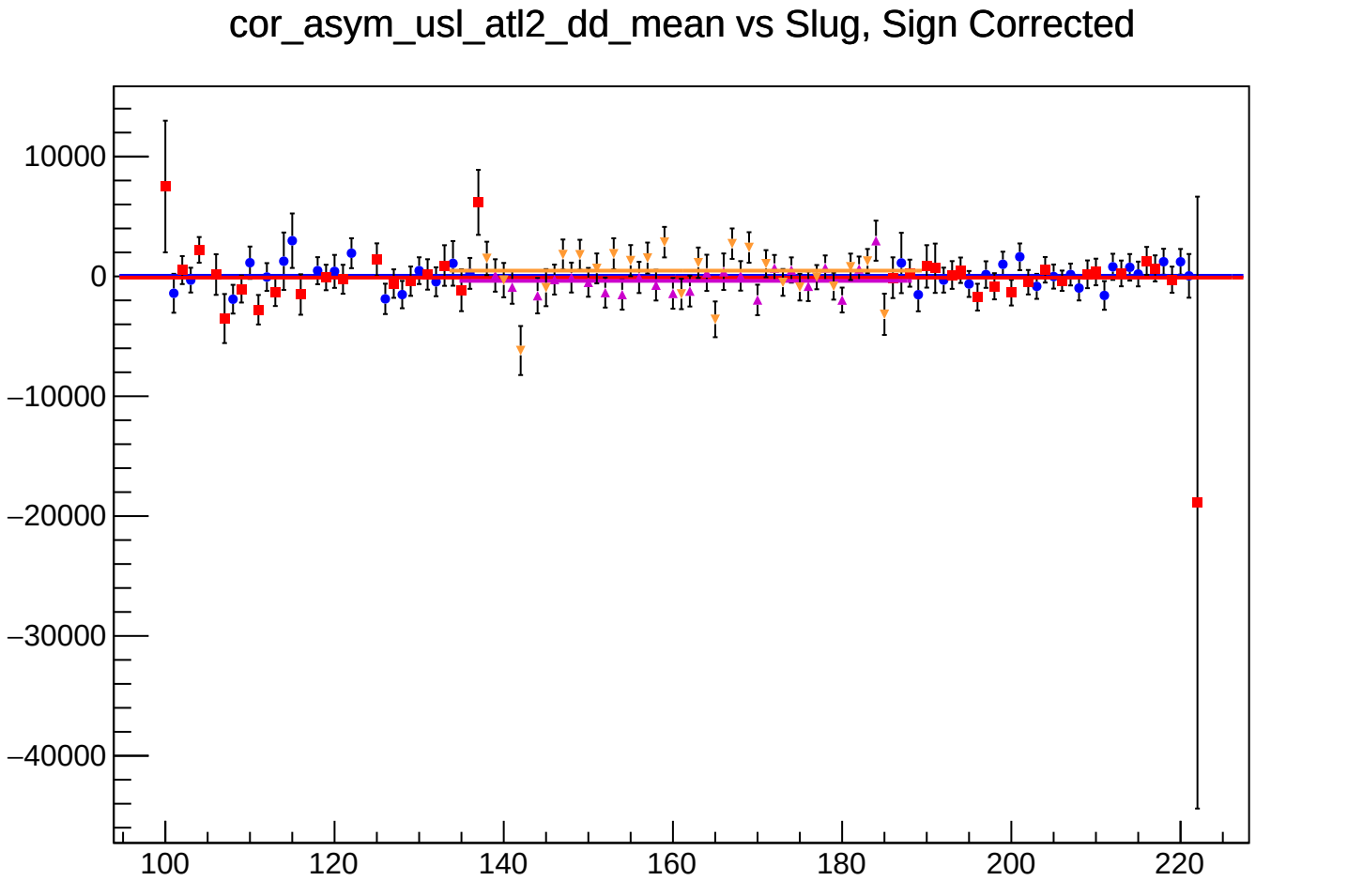
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2035.367+/-0.267 χ^2/NDF: 29104351.2/70

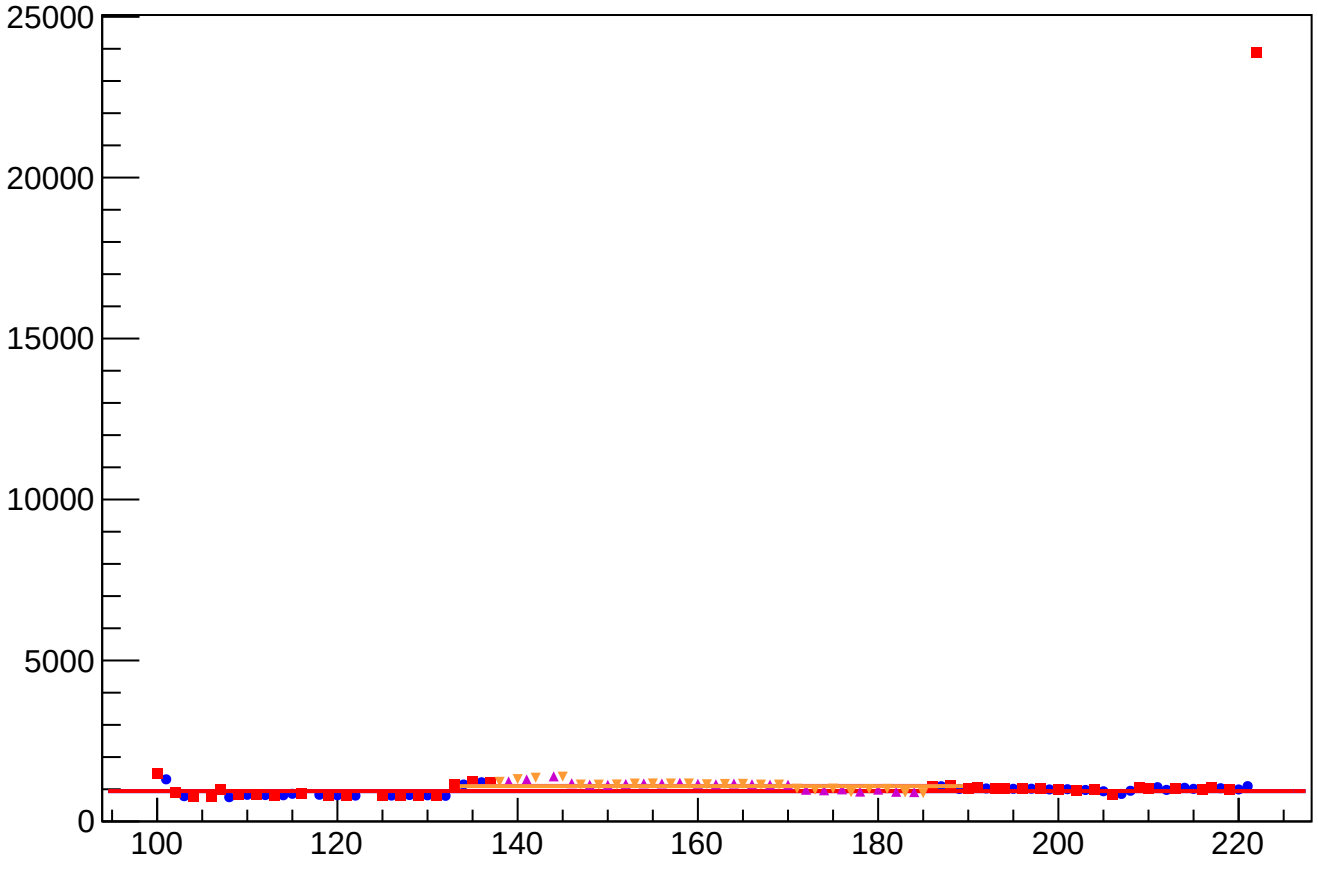
In: 2668.559+/-0.342 χ^2/NDF:18912708.3/56

Out: 2358.268+/-0.315 χ^2/NDF:24483381.8/60

All: 2500.762+/-0.232 χ^2/NDF: 43841583.3/1


cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 50.047+/-205.235 χ²/NDF: 25.2/33
Left Out: 479.583+/-256.330 χ²/NDF:45.2/23
Right Out: -100.035+/-206.010 χ²/NDF: 32.7/36
Left In: -372.901+/-259.314 χ²/NDF:16.0/22
Left: 58.275+/-182.298 χ²/NDF: 66.7/46
Right: -24.711+/-145.396 χ²/NDF: 58.2/70
In: -112.849+/-160.930 χ²/NDF:42.9/56
Out: 127.429+/-160.577 χ²/NDF:81.0/60
All: 7.554+/-113.670 χ²/NDF: 125.0/117

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: 942.888+/-0.145 χ^2/NDF: 2243860.0/36

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

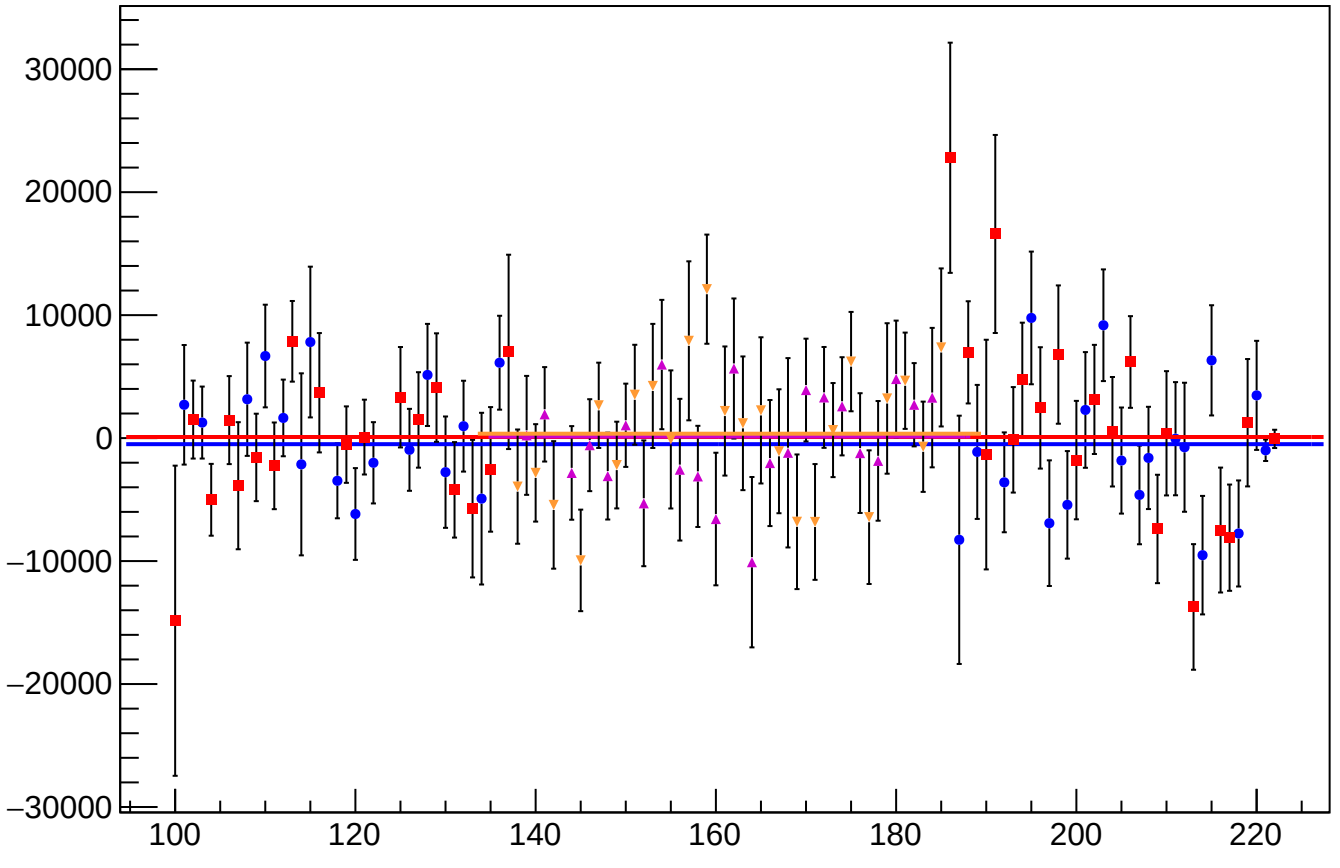
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 942.231+/-0.103 χ^2/NDF: 2925138.5/70

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1003.098+/-0.113 χ^2/NDF:3162679.4/60

All: 1003.476+/-0.080 χ^2/NDF: 4769656.9/11



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: 89.410+/-517.743 χ^2/NDF: 52.1/36

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

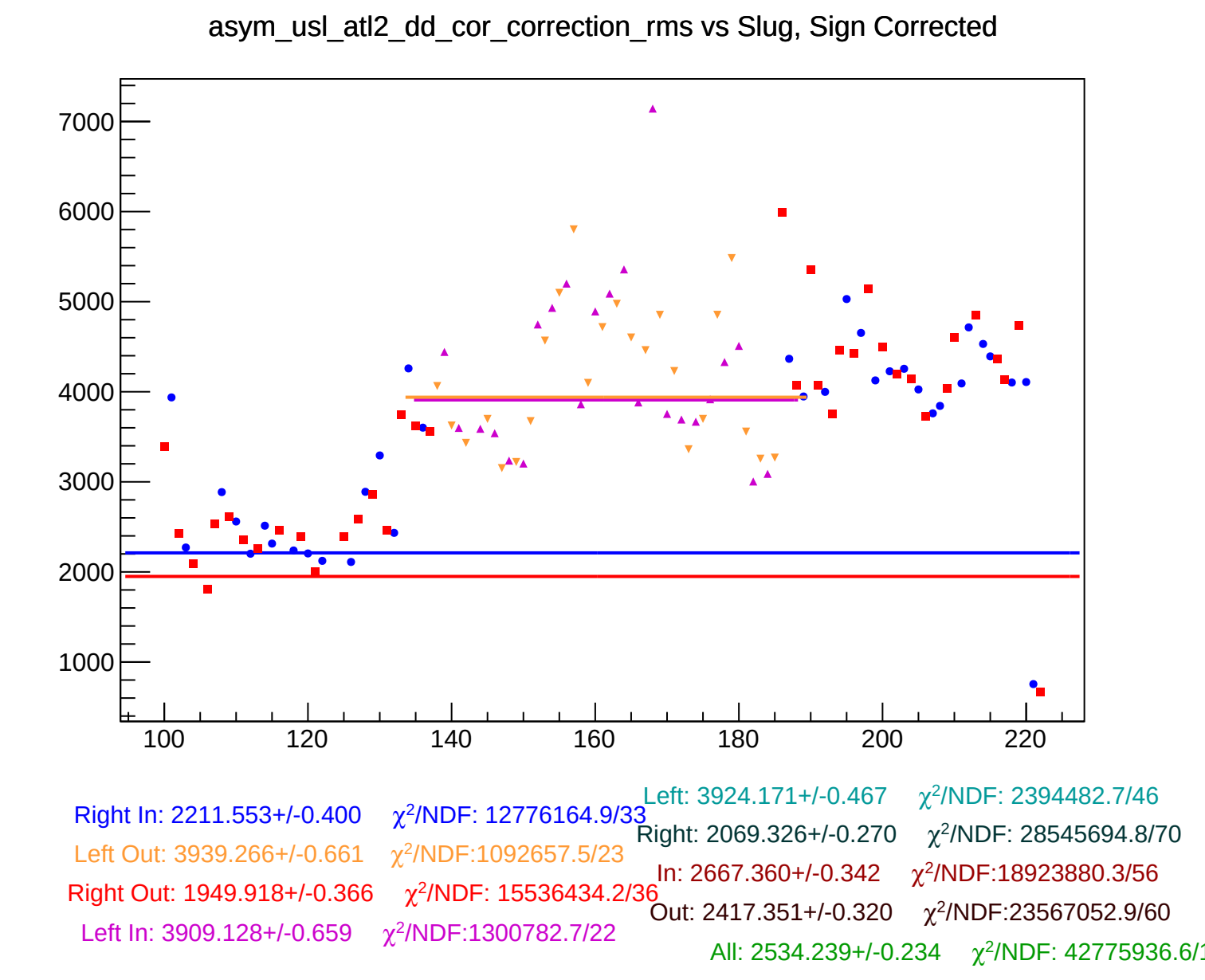
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

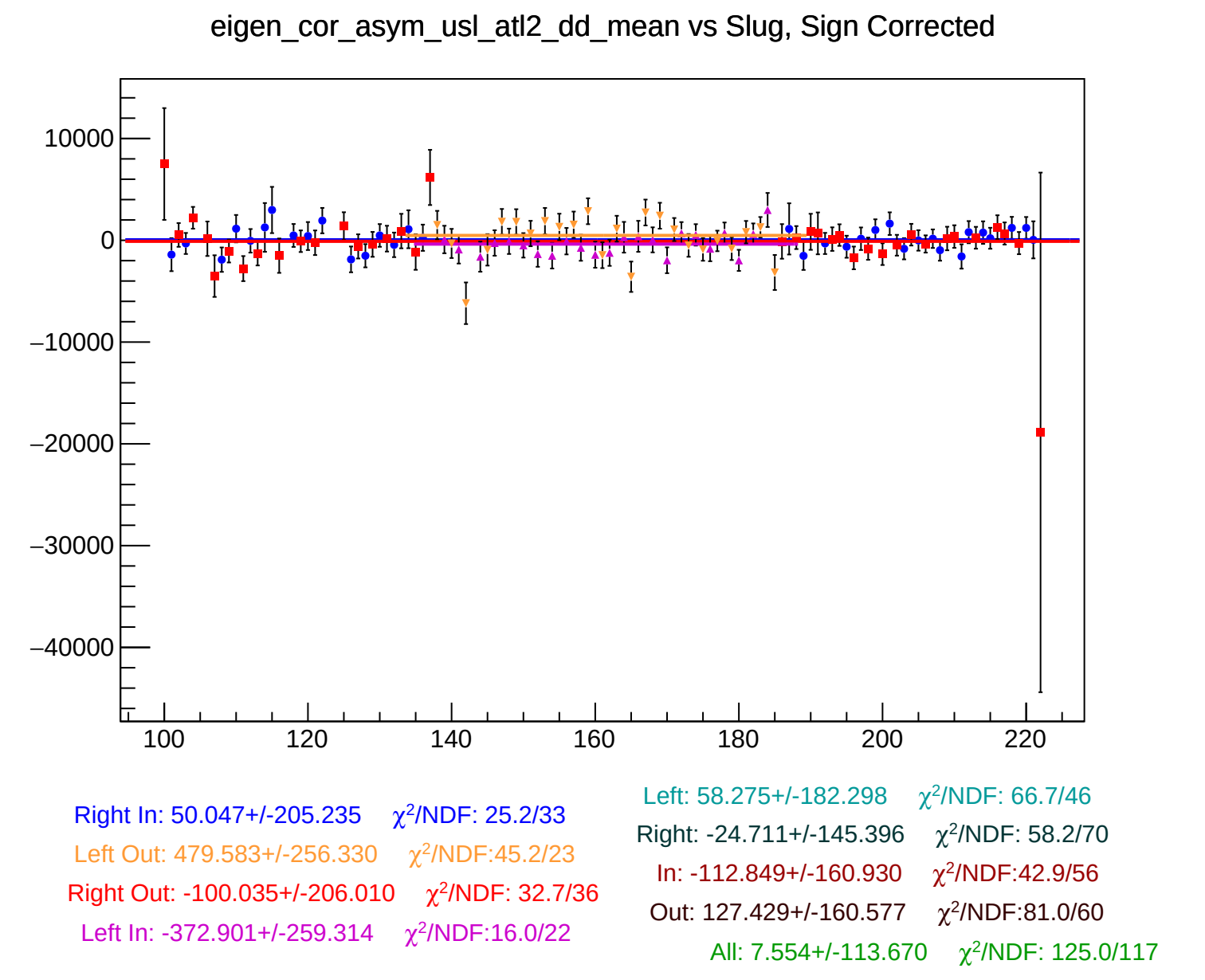
Right: -176.522+/-381.730 χ^2/NDF: 92.2/70

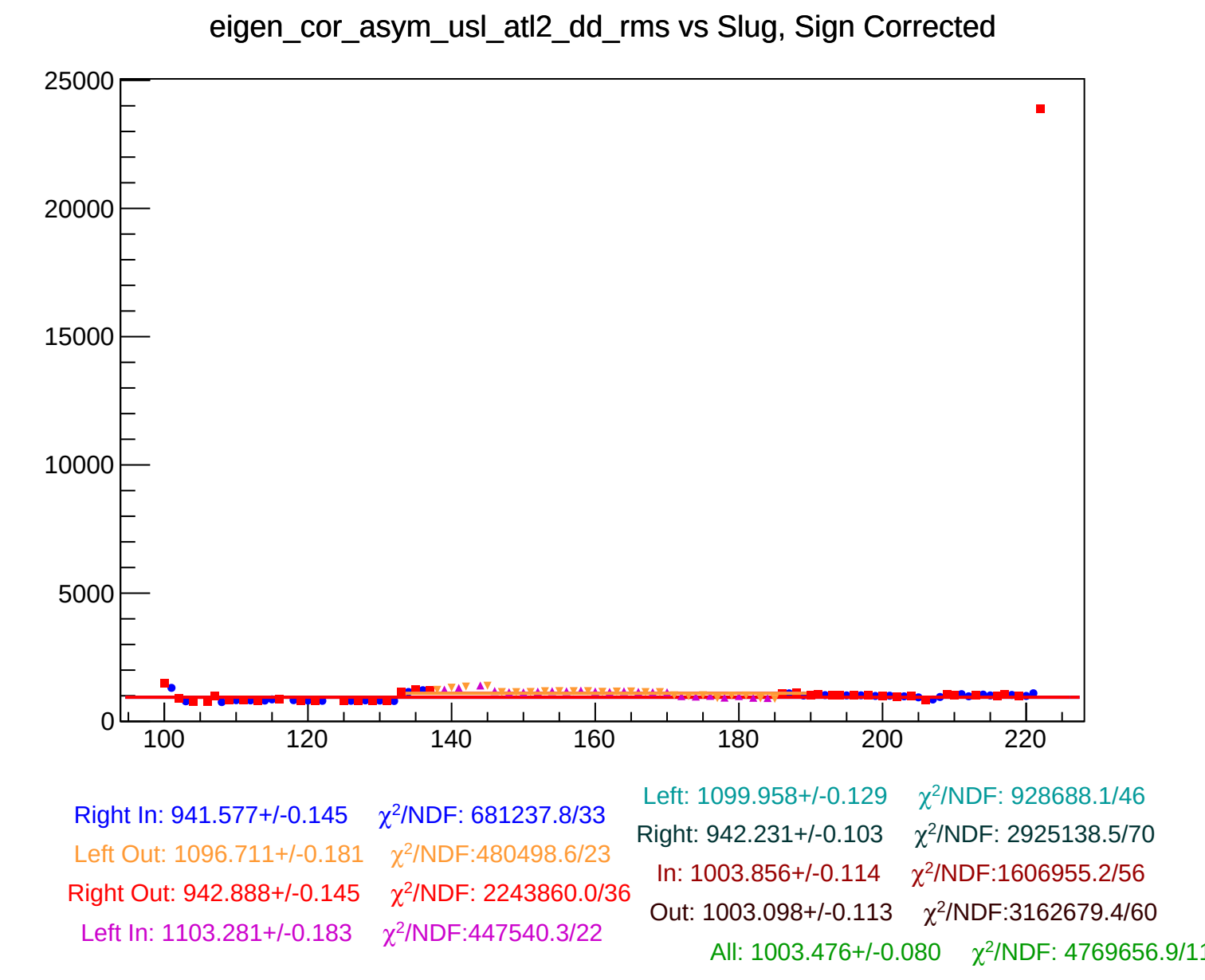
In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 152.456+/-452.850 χ^2/NDF:82.5/60

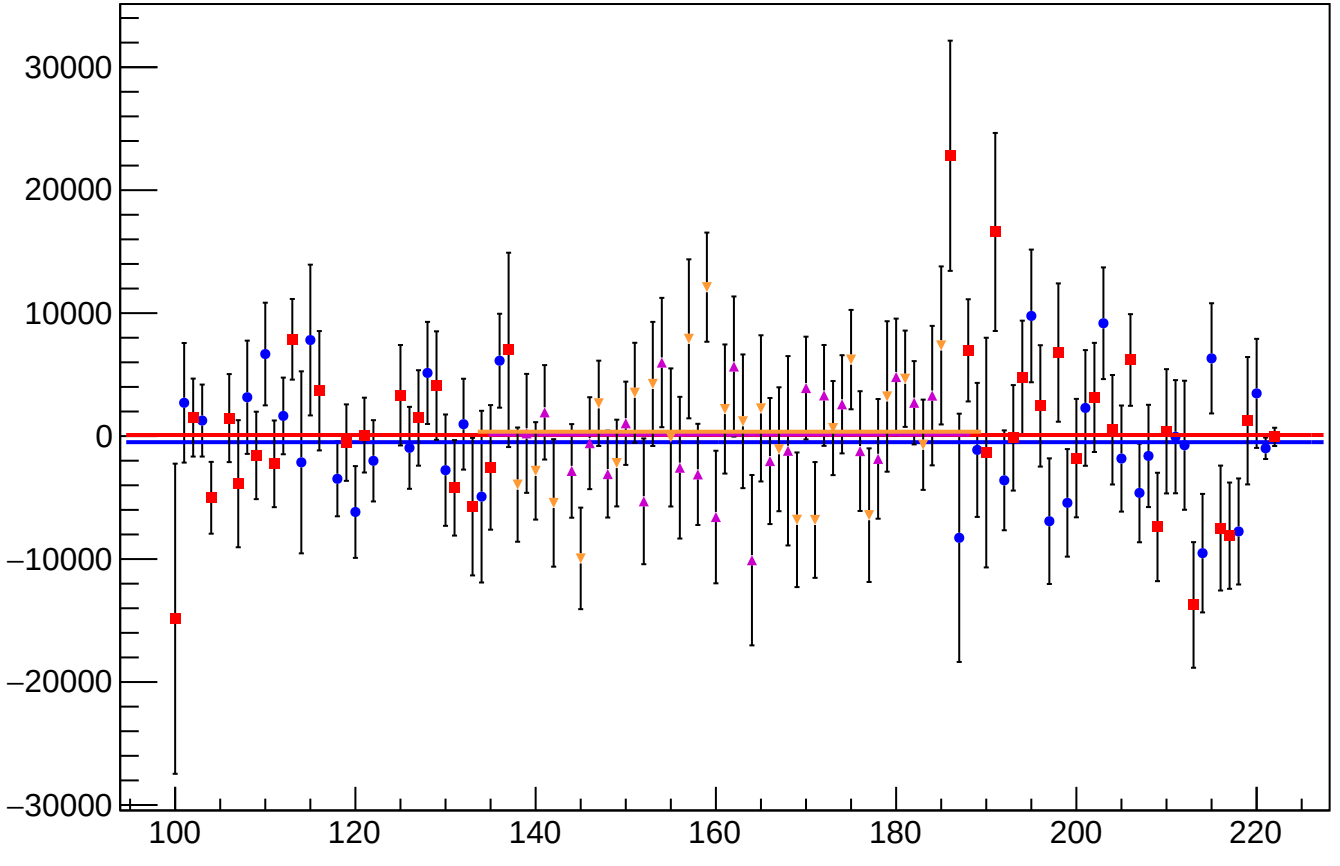
All: -71.624+/-330.445 χ^2/NDF: 136.5/117


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2211.553+/-0.400 χ²/NDF: 12776164.9/33
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 1949.918+/-0.366 χ²/NDF: 15536434.2/36
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 2069.326+/-0.270 χ²/NDF: 28545694.8/70
In: 2667.360+/-0.342 χ²/NDF:18923880.3/56
Out: 2417.351+/-0.320 χ²/NDF:23567052.9/60
All: 2534.239+/-0.234 χ²/NDF: 42775936.6/


eigen_cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 50.047+/-205.235 χ²/NDF: 25.2/33
Left Out: 479.583+/-256.330 χ²/NDF:45.2/23
Right Out: -100.035+/-206.010 χ²/NDF: 32.7/36
Left In: -372.901+/-259.314 χ²/NDF:16.0/22
Left: 58.275+/-182.298 χ²/NDF: 66.7/46
Right: -24.711+/-145.396 χ²/NDF: 58.2/70
In: -112.849+/-160.930 χ²/NDF:42.9/56
Out: 127.429+/-160.577 χ²/NDF:81.0/60
All: 7.554+/-113.670 χ²/NDF: 125.0/117


eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
220
Right In: 941.577+/-0.145 χ²/NDF: 681237.8/33
Left Out: 1096.711+/-0.181 χ²/NDF:480498.6/23
Right Out: 942.888+/-0.145 χ²/NDF: 2243860.0/36
Left In: 1103.281+/-0.183 χ²/NDF:447540.3/22
Left: 1099.958+/-0.129 χ²/NDF: 928688.1/46
Right: 942.231+/-0.103 χ²/NDF: 2925138.5/70
In: 1003.856+/-0.114 χ²/NDF:1606955.2/56
Out: 1003.098+/-0.113 χ²/NDF:3162679.4/60
All: 1003.476+/-0.080 χ²/NDF: 4769656.9/11

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: 89.410+/-517.743 χ^2/NDF: 52.1/36

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

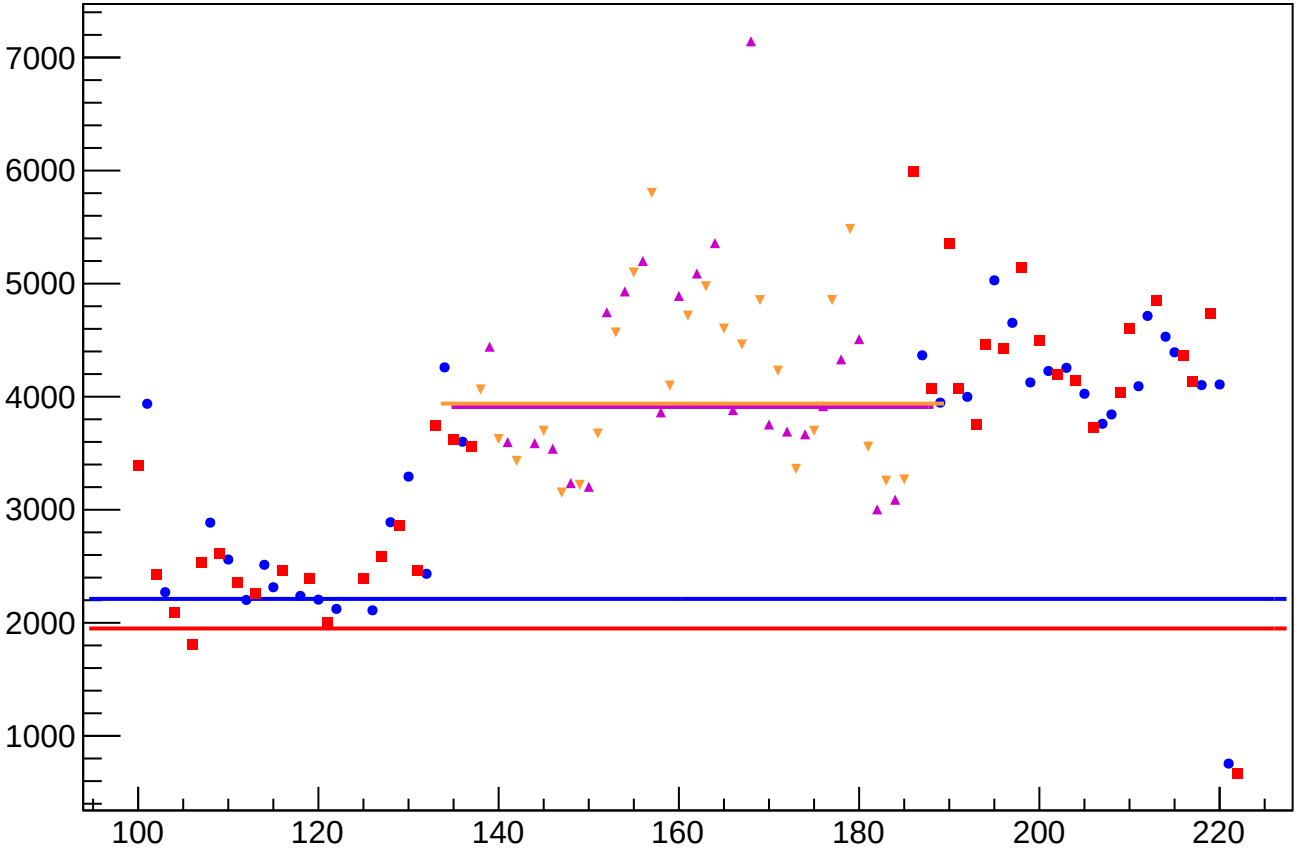
Right: -176.522+/-381.730 χ^2/NDF: 92.2/70

In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 152.456+/-452.850 χ^2/NDF:82.5/60

All: -71.624+/-330.445 χ^2/NDF: 136.5/117

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: 1949.918+/-0.366 χ^2/NDF: 15536434.2/36

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

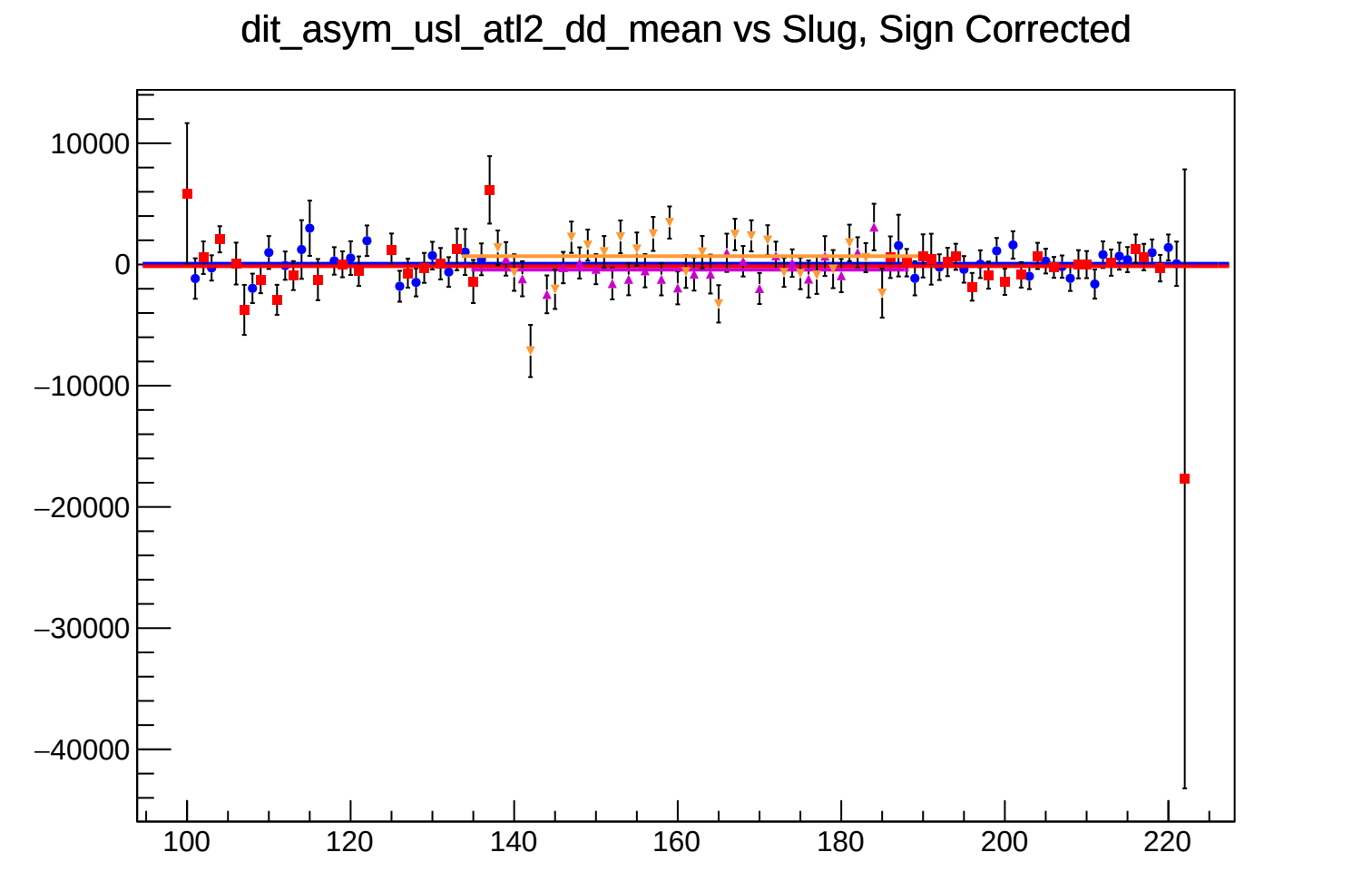
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2069.326+/-0.270 χ^2/NDF: 28545694.8/70

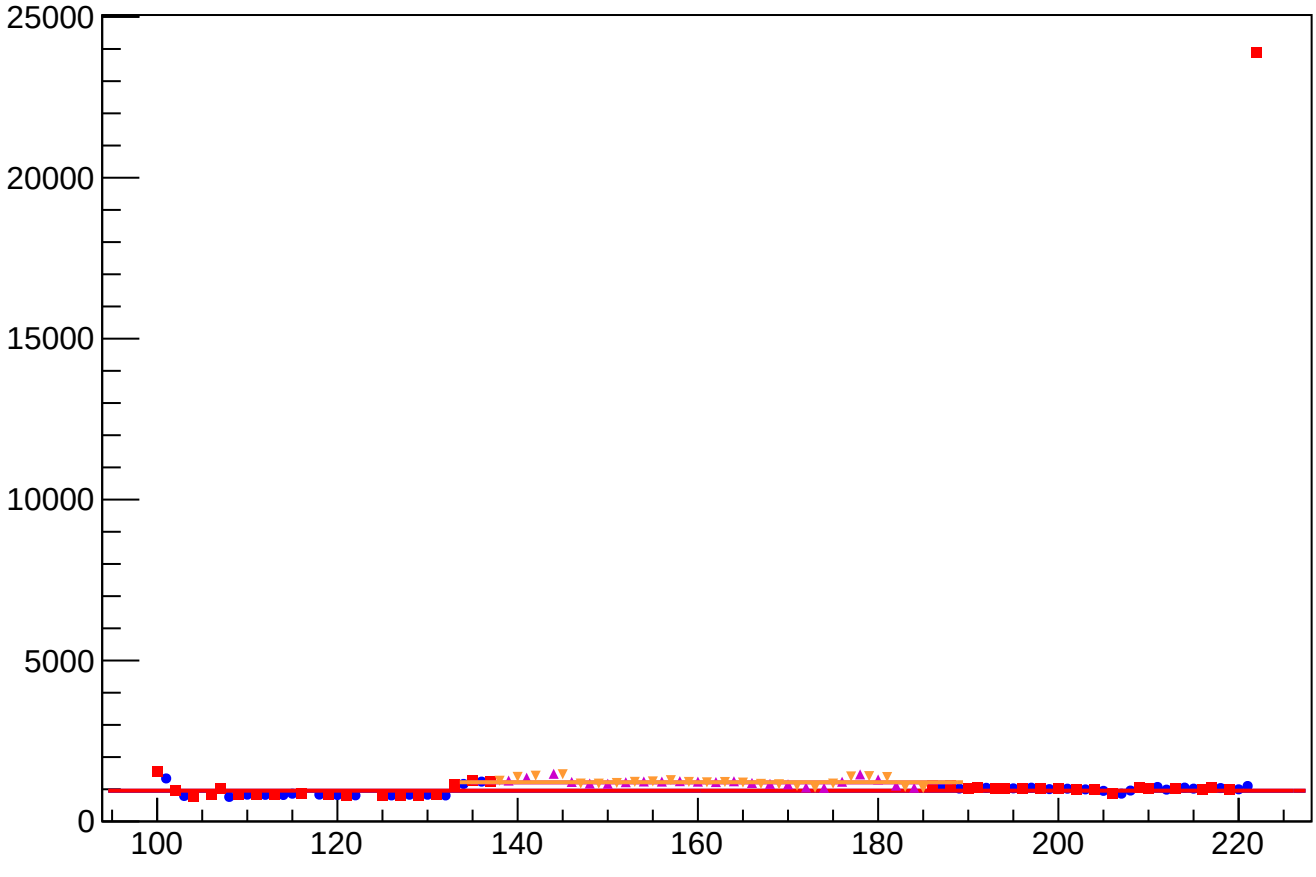
In: 2667.360+/-0.342 χ^2/NDF:18923880.3/56

Out: 2417.351+/-0.320 χ^2/NDF:23567052.9/60

All: 2534.239+/-0.234 χ^2/NDF: 42775936.6/1


dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 69.175+/-207.640 χ²/NDF: 24.8/33
Left Out: 689.087+/-284.388 χ²/NDF:45.7/23
Right Out: -140.942+/-209.152 χ²/NDF: 31.9/36
Left In: -428.052+/-284.383 χ²/NDF:14.6/22
Left: 130.507+/-201.091 χ²/NDF: 68.1/46
Right: -35.121+/-147.355 χ²/NDF: 57.2/70
In: -103.726+/-167.697 χ²/NDF:41.4/56
Out: 150.415+/-168.491 χ²/NDF:83.2/60
All: 22.744+/-118.859 χ²/NDF: 125.7/117

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: 956.545+/-0.148 χ^2/NDF: 2238348.1/36

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

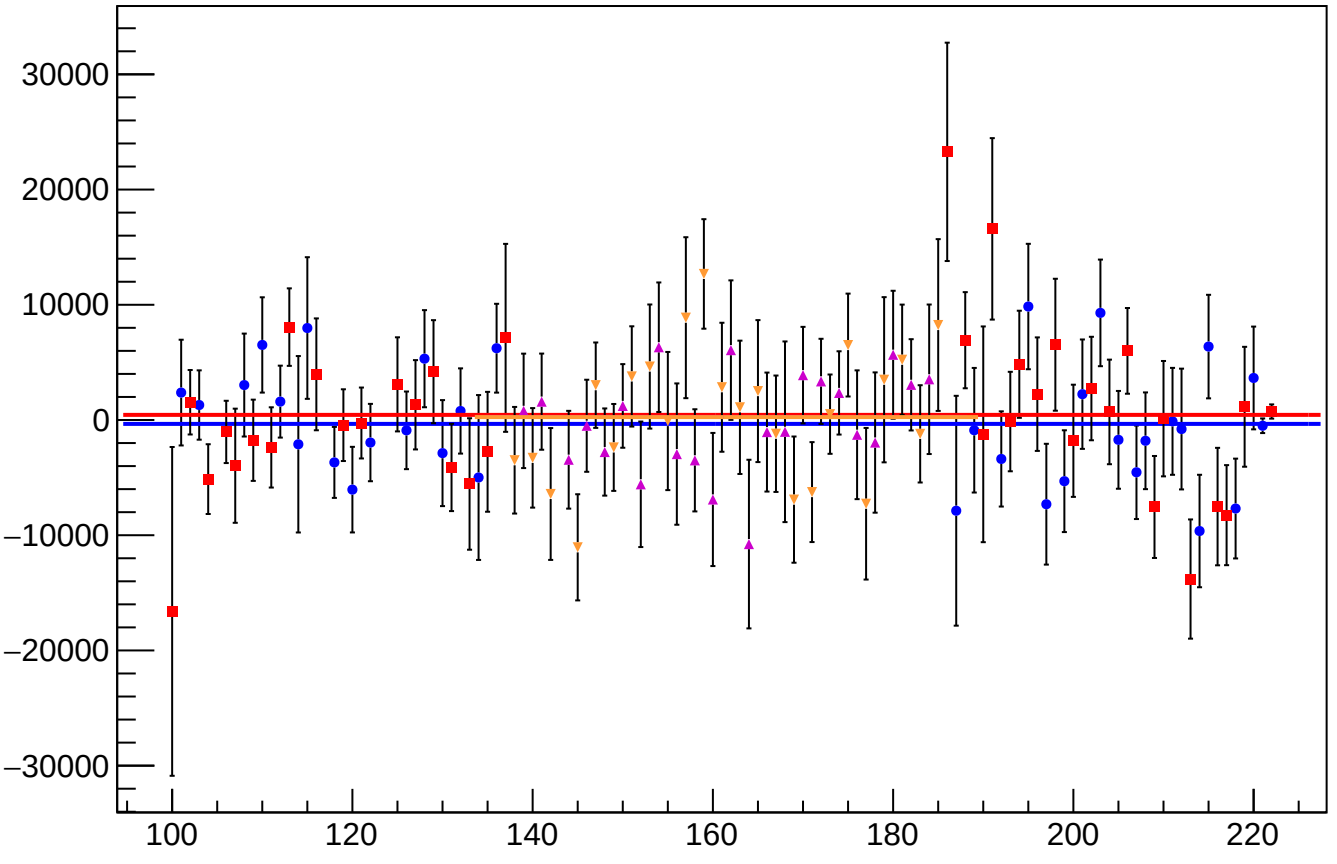
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 954.373+/-0.104 χ^2/NDF: 2931585.9/70

In: 1042.716+/-0.119 χ^2/NDF:2045371.7/56

Out: 1048.599+/-0.119 χ^2/NDF:3637399.5/60

All: 1045.644+/-0.084 χ^2/NDF: 5683996.4/11



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: 444.759+/-465.408 χ^2/NDF: 52.6/36

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

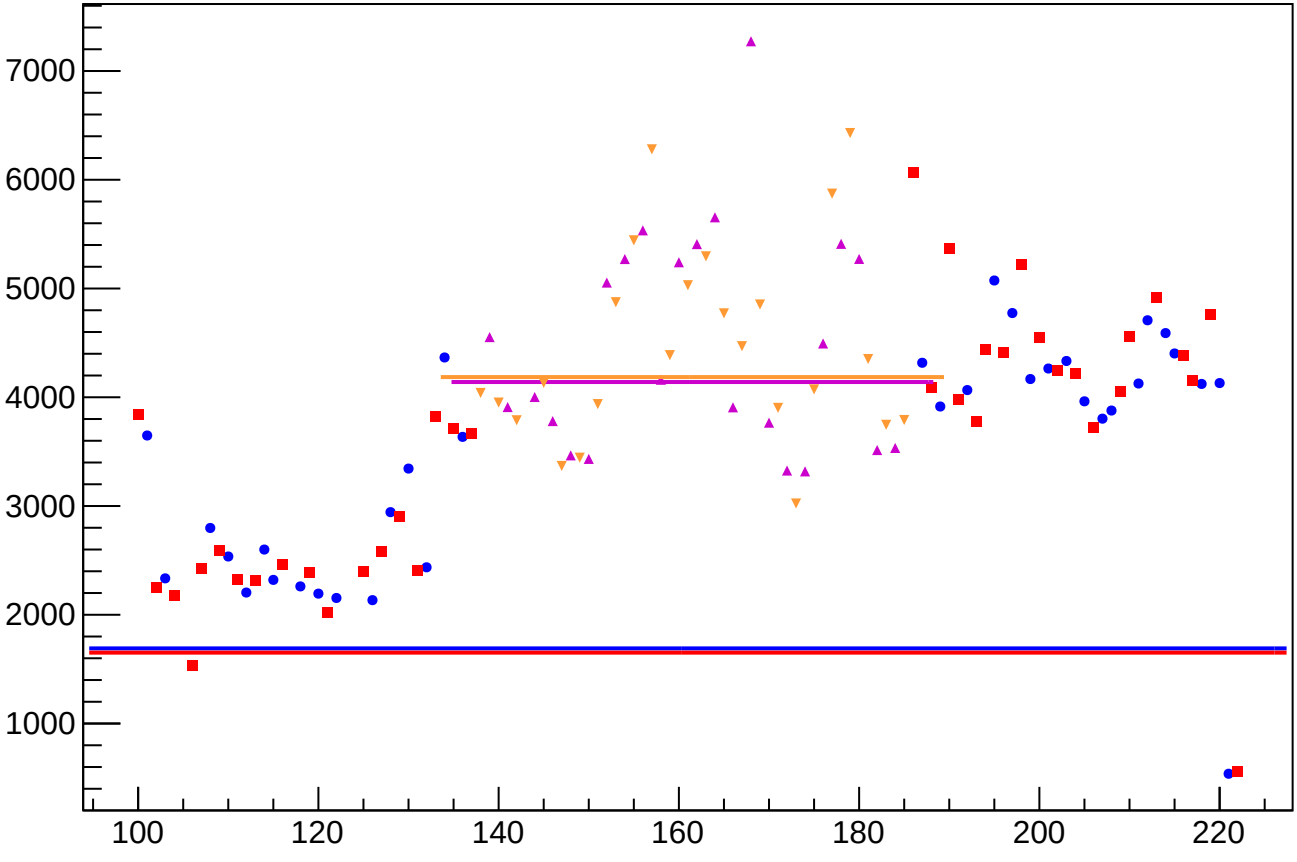
Right: 68.230+/-335.307 χ^2/NDF: 92.7/70

In: -221.763+/-434.462 χ^2/NDF:52.5/56

Out: 410.309+/-421.582 χ^2/NDF:82.3/60

All: 103.781+/-302.554 χ^2/NDF: 135.9/117

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1690.835+/-0.342 χ^2/NDF: 18846937.1/33

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 1651.829+/-0.329 χ^2/NDF: 19004739.9/36

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

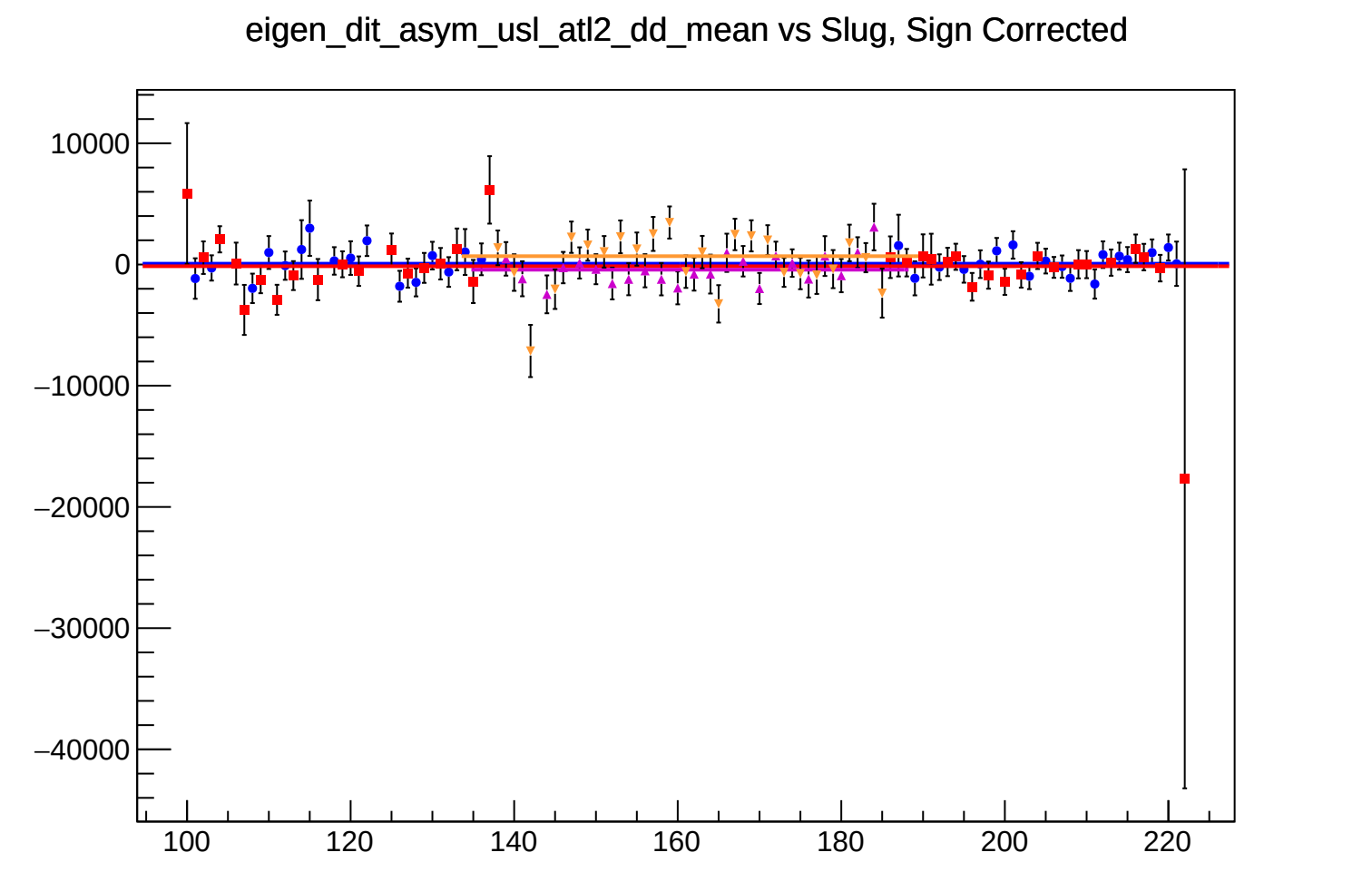
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 1670.588+/-0.237 χ^2/NDF: 37858433.5/70

In: 2162.450+/-0.307 χ^2/NDF:30179043.3/56

Out: 2106.570+/-0.298 χ^2/NDF:30915038.2/60

All: 2133.669+/-0.214 χ^2/NDF: 61111121.8/1



Right In: 69.172+/-207.640 χ^2/NDF: 24.8/33

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -140.941+/-209.152 χ^2/NDF: 31.9/36

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

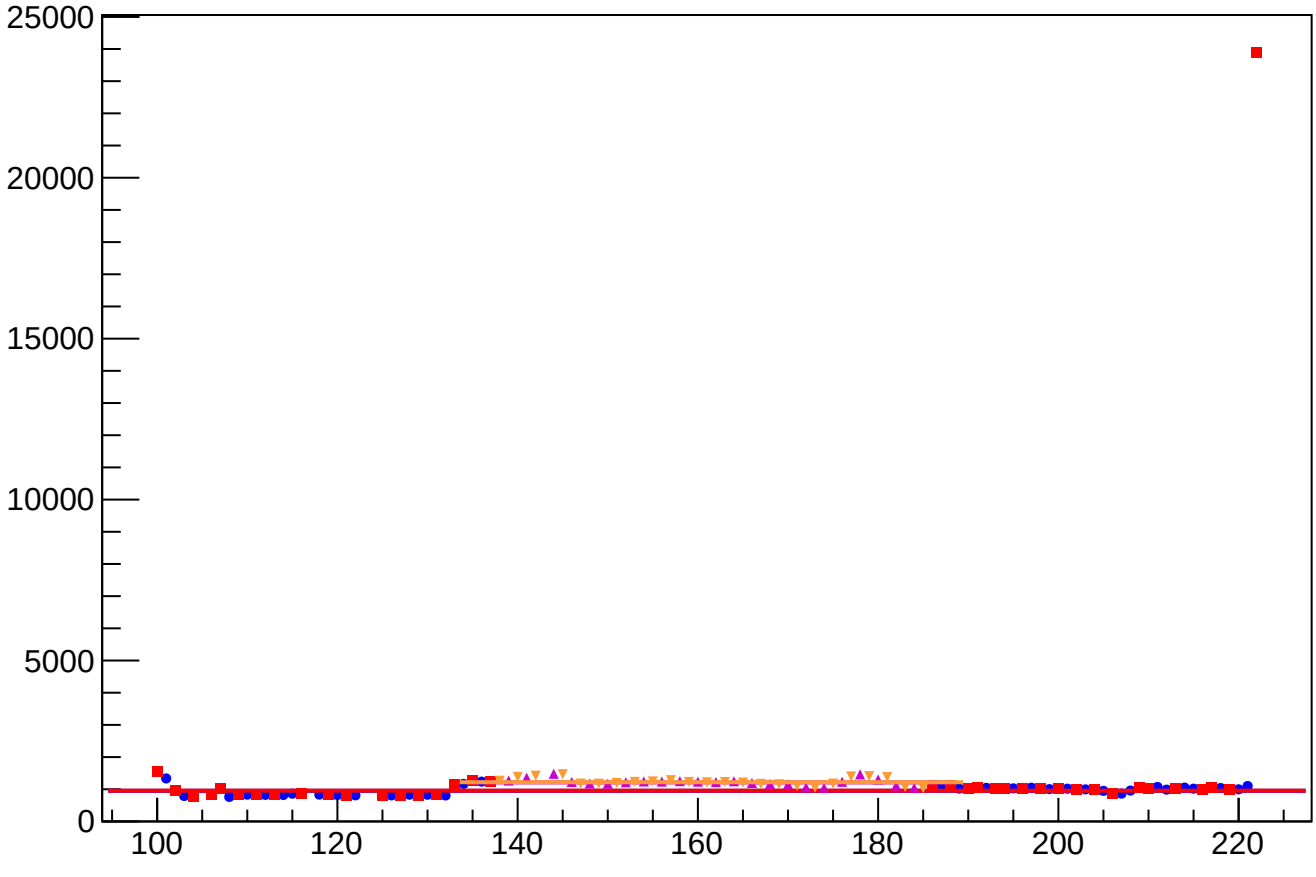
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -35.122+/-147.355 χ^2/NDF: 57.2/70

In: -103.726+/-167.697 χ^2/NDF:41.4/56

Out: 150.417+/-168.491 χ^2/NDF:83.2/60

All: 22.744+/-118.859 χ^2/NDF: 125.7/117



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: 956.545+/-0.148 χ^2/NDF: 2238348.5/36

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

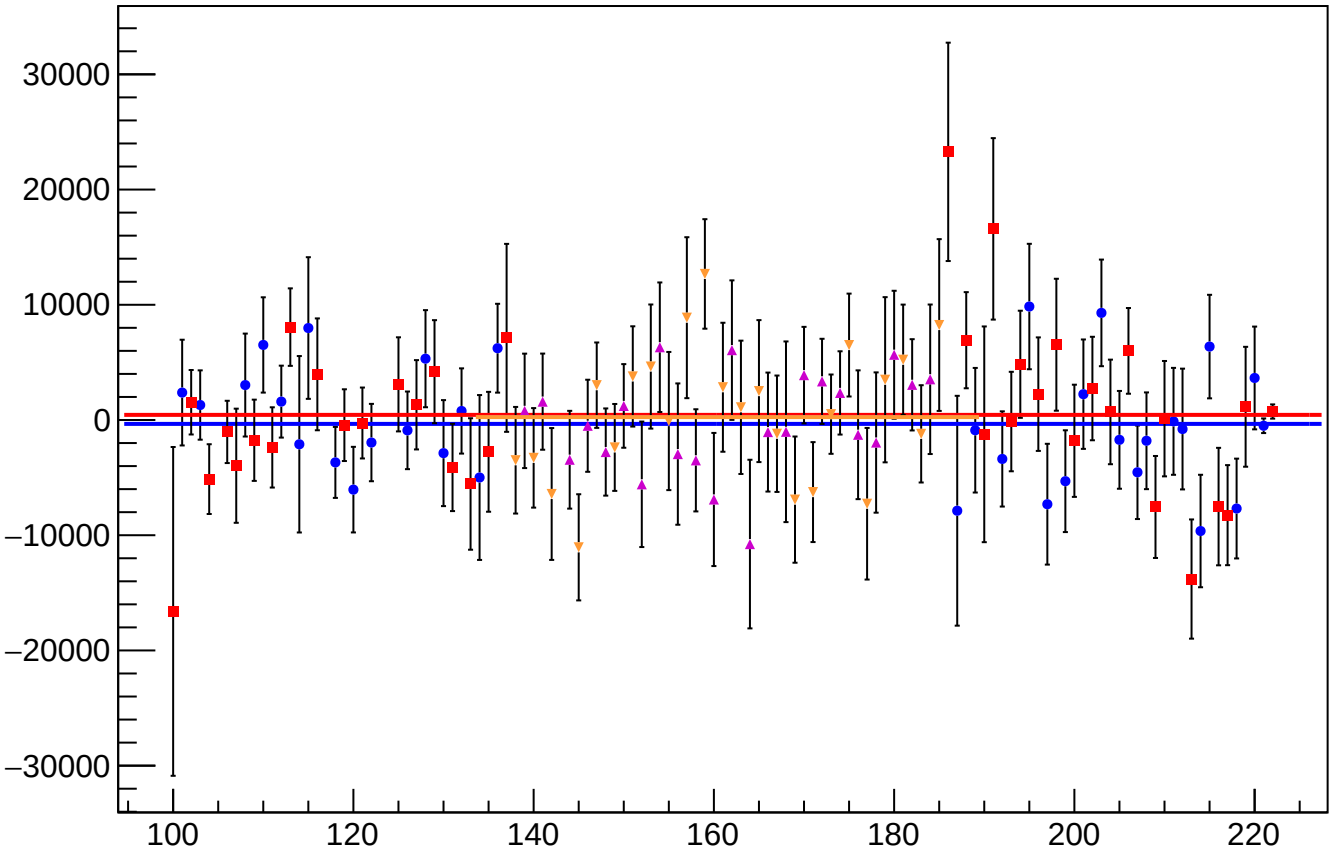
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 954.373+/-0.104 χ^2/NDF: 2931586.0/70

In: 1042.716+/-0.119 χ^2/NDF:2045387.8/56

Out: 1048.599+/-0.119 χ^2/NDF:3637417.8/60

All: 1045.645+/-0.084 χ^2/NDF: 5684030.9/11



Right In: -338.137+/-483.500 χ^2/NDF: 38.8/33

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 444.759+/-465.409 χ^2/NDF: 52.6/36

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

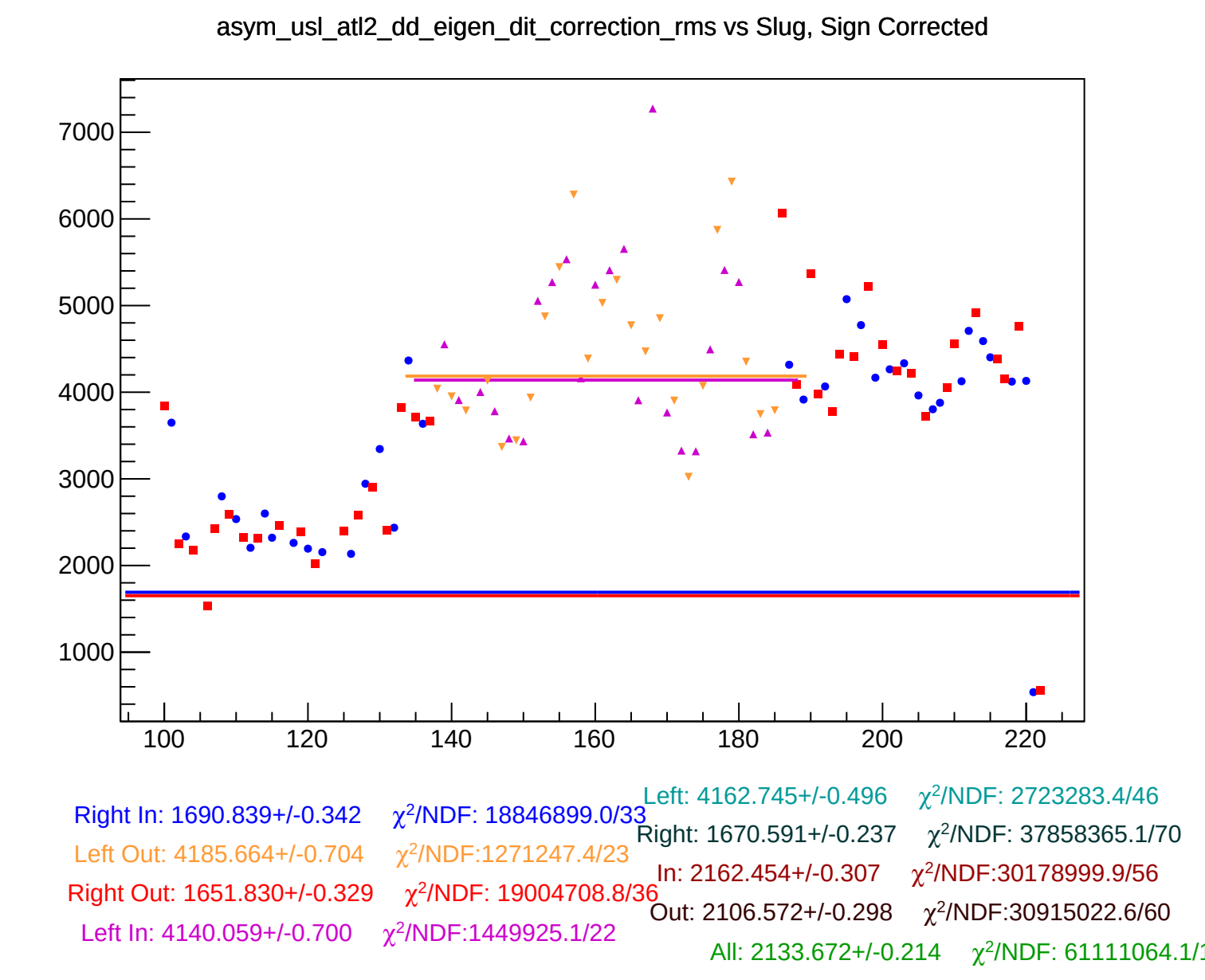
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

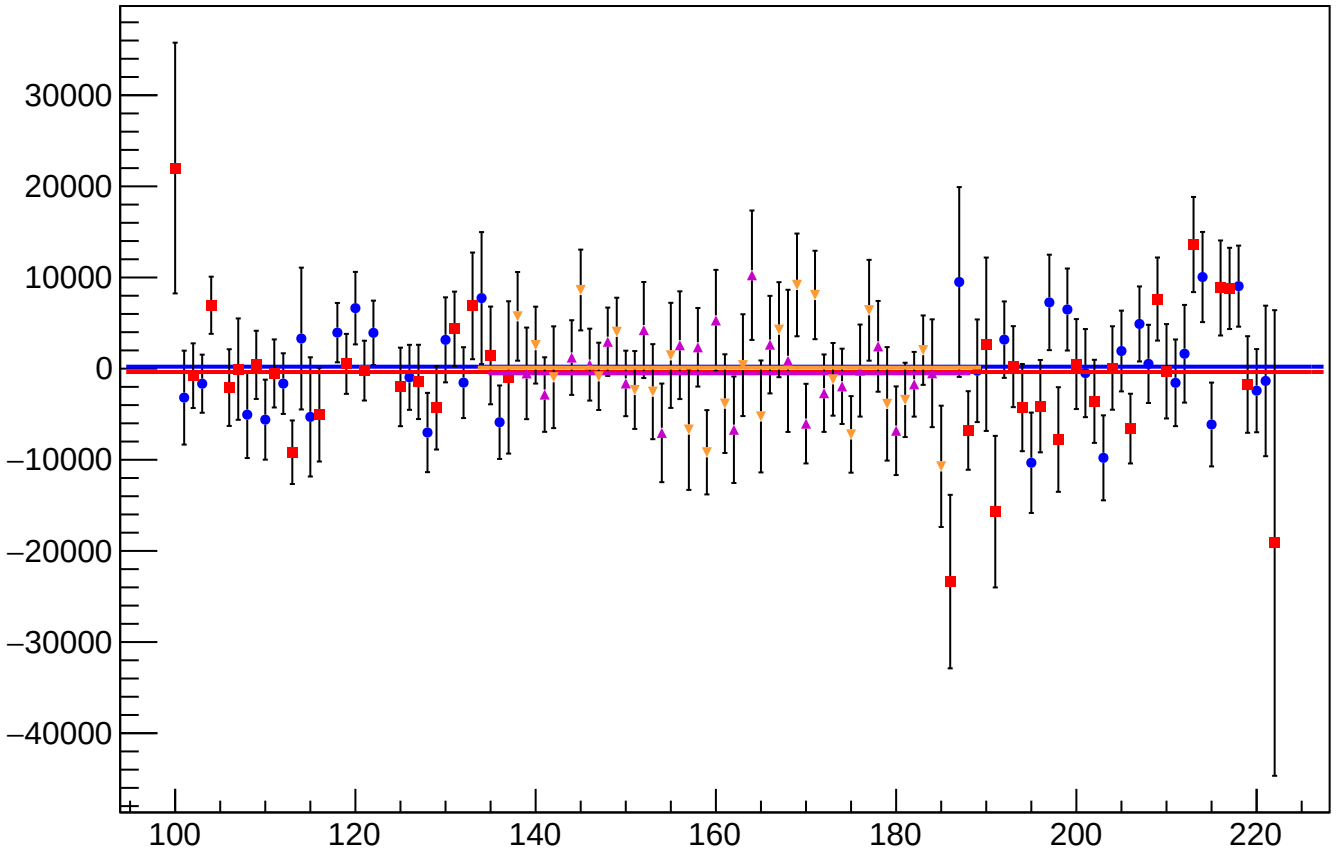
Right: 68.232+/-335.307 χ^2/NDF: 92.7/70

In: -221.760+/-434.462 χ^2/NDF:52.5/56

Out: 410.309+/-421.582 χ^2/NDF:82.3/60

All: 103.782+/-302.555 χ^2/NDF: 135.9/117


asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1690.839+/-0.342 χ²/NDF: 18846899.0/33
Left Out: 4185.664+/-0.704 χ²/NDF:1271247.4/23
Right Out: 1651.830+/-0.329 χ²/NDF: 19004708.8/36
Left In: 4140.059+/-0.700 χ²/NDF:1449925.1/22
Left: 4162.745+/-0.496 χ²/NDF: 2723283.4/46
Right: 1670.591+/-0.237 χ²/NDF: 37858365.1/70
In: 2162.454+/-0.307 χ²/NDF:30178999.9/56
Out: 2106.572+/-0.298 χ²/NDF:30915022.6/60
All: 2133.672+/-0.214 χ²/NDF: 61111064.1/1



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: -370.003+/-760.423 χ^2/NDF: 55.4/36

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

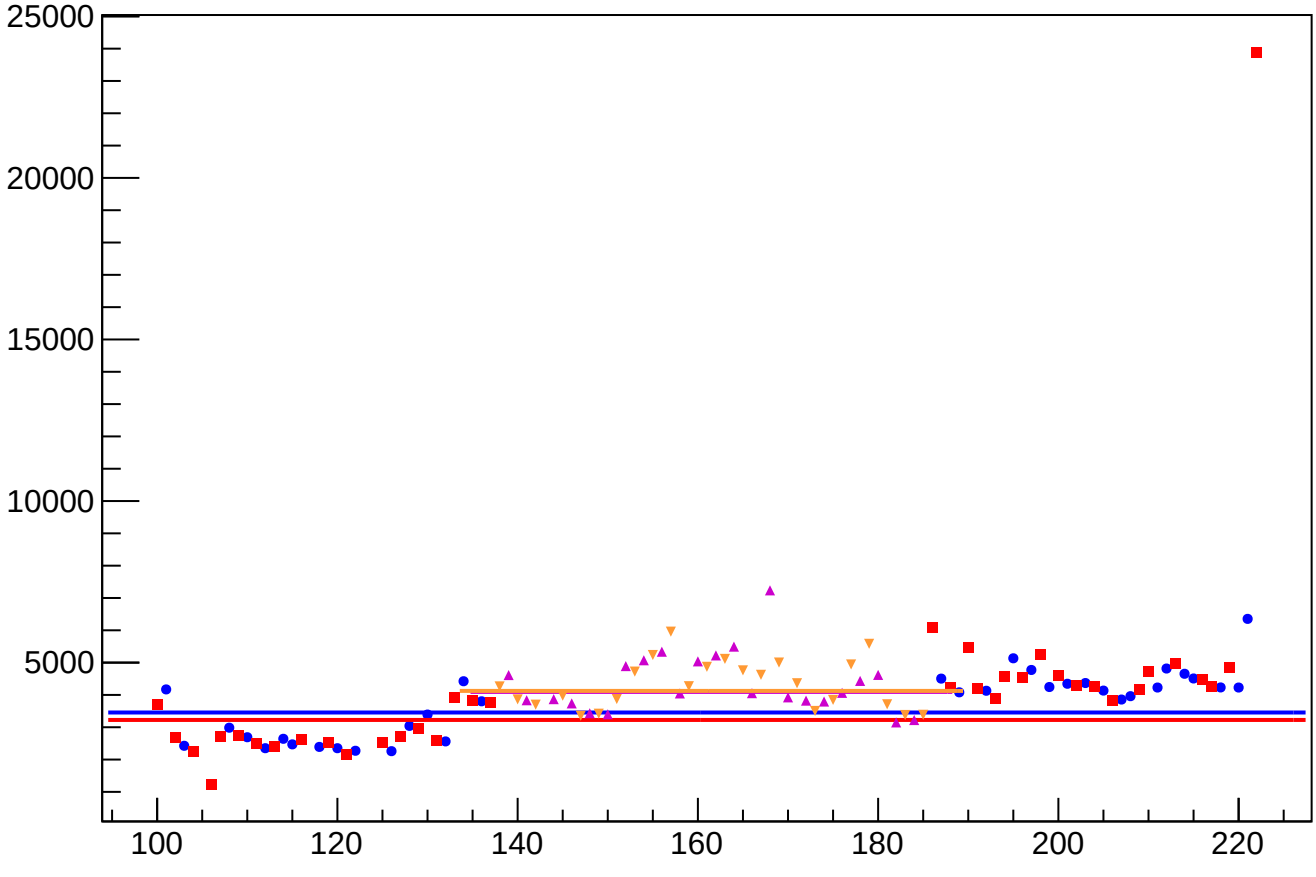
Right: -82.684+/-542.056 χ^2/NDF: 97.7/70

In: -65.220+/-605.478 χ^2/NDF:55.8/56

Out: -188.987+/-599.757 χ^2/NDF:83.6/60

All: -127.691+/-426.100 χ^2/NDF: 139.4/117

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: 3225.705+/-0.523 χ^2/NDF: 5904567.4/36

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

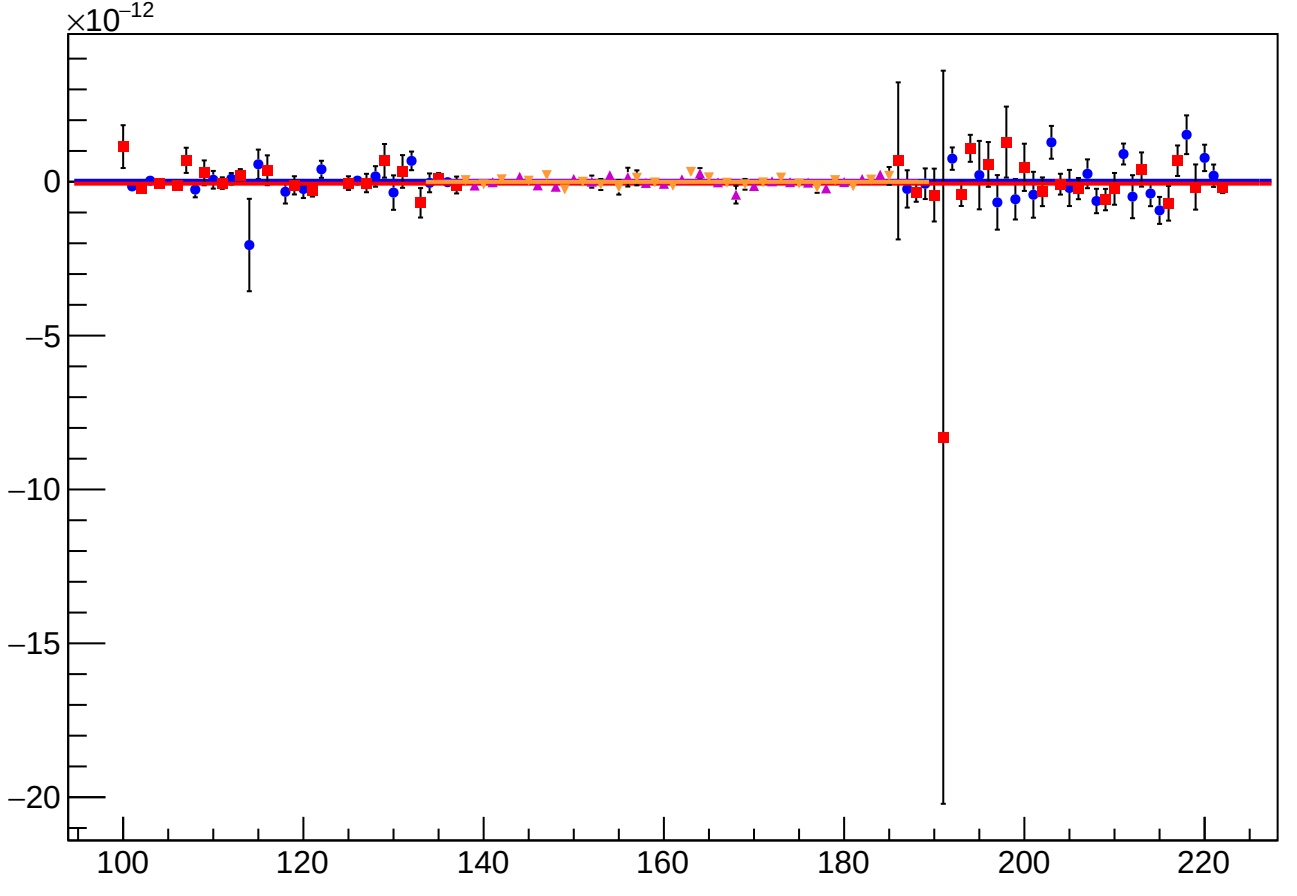
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3335.877+/-0.378 χ^2/NDF: 9081129.7/70

In: 3702.284+/-0.428 χ^2/NDF:4770851.3/56

Out: 3553.534+/-0.417 χ^2/NDF:7952796.8/60

All: 3625.883+/-0.299 χ^2/NDF: 12785647.4/1



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: 37.1/36

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

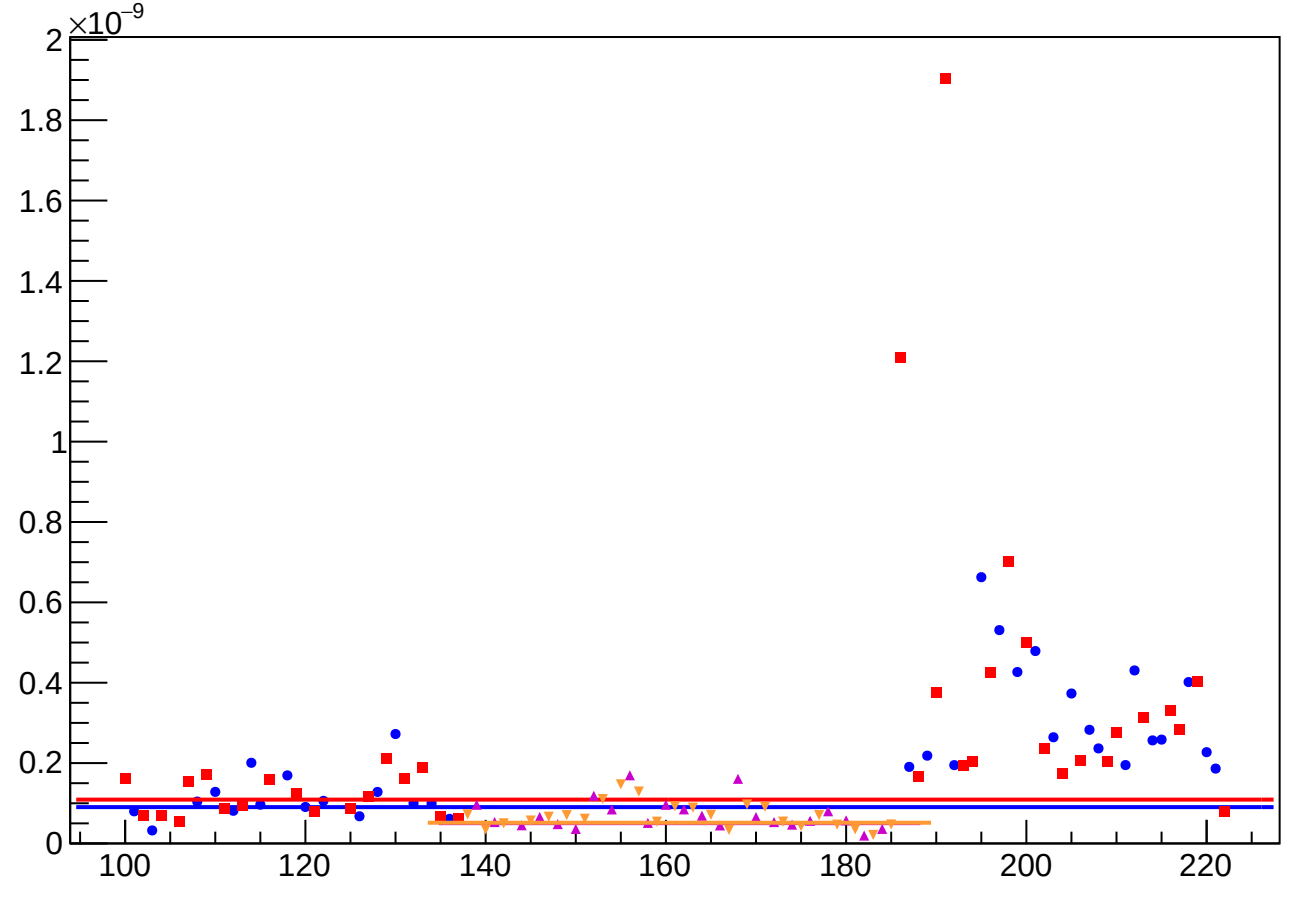
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 91.3/70

In: 0.000+/-0.000 χ^2/NDF:77.7/56

Out: -0.000+/-0.000 χ^2/NDF:62.5/60

All: 0.000+/-0.000 χ^2/NDF: 141.9/117



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: 5427168.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

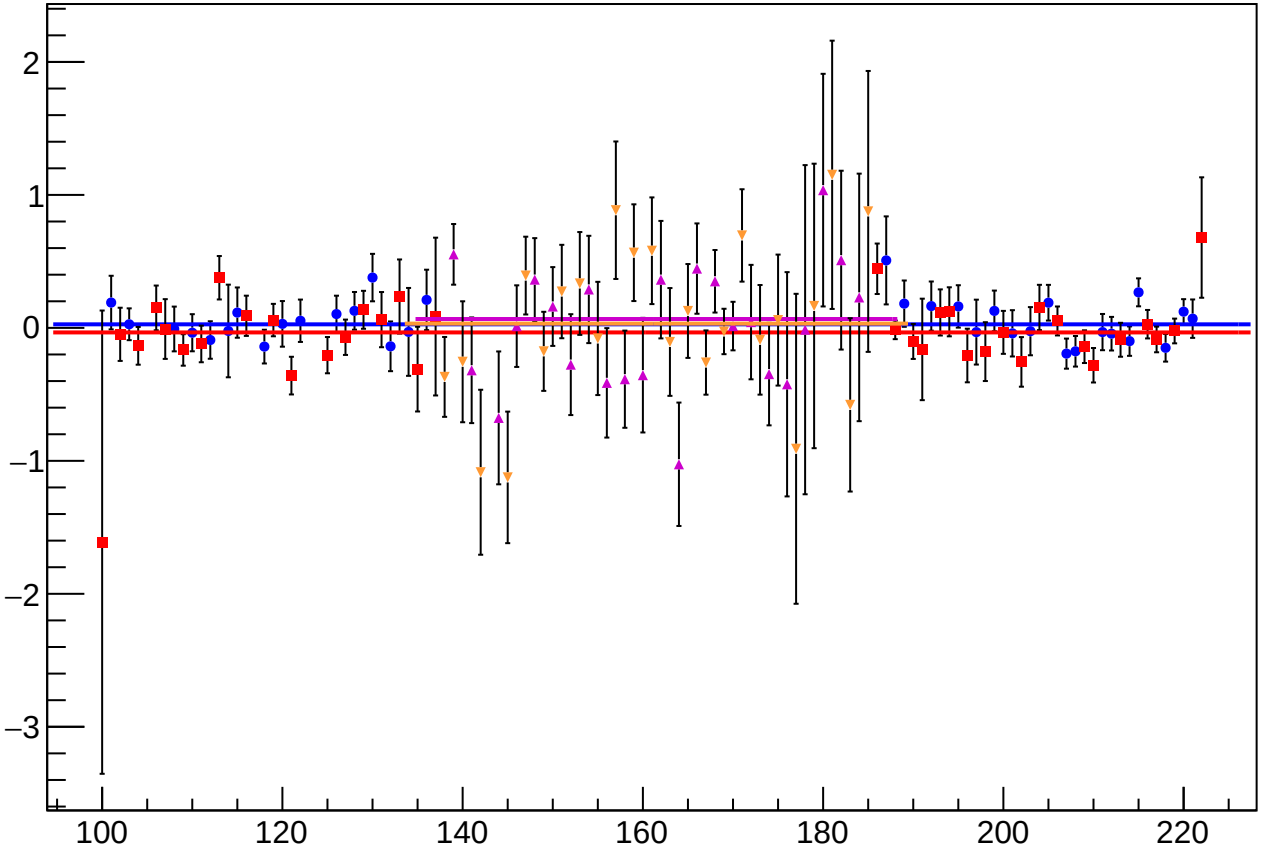
Right: 0.000+/-0.000 χ^2/NDF: 13331945.4/70

In: 0.000+/-0.000 χ^2/NDF:11617571.5/56

Out: 0.000+/-0.000 χ^2/NDF:10190772.2/60

All: 0.000+/-0.000 χ^2/NDF: 21830512.8/117

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: -0.034+/-0.024 χ^2/NDF: 42.5/36

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

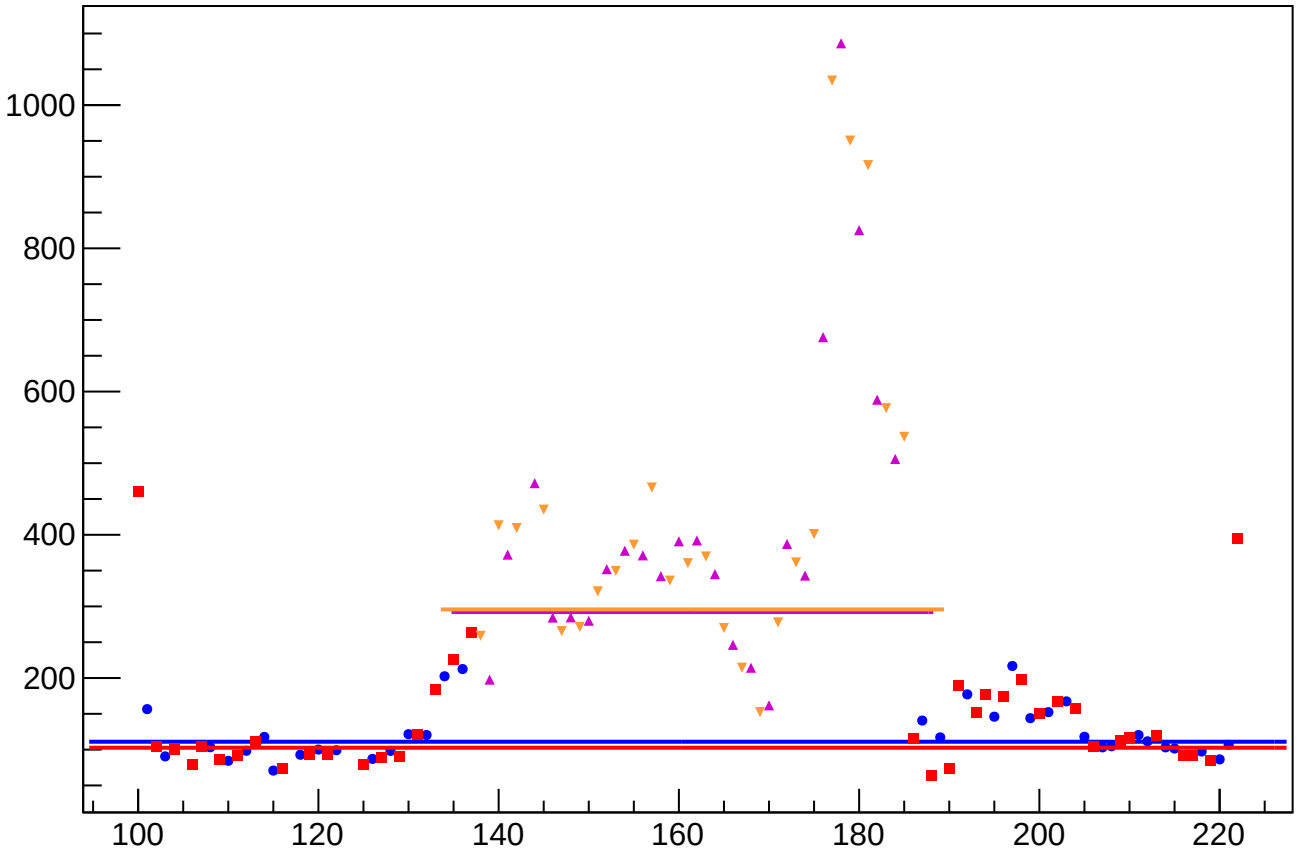
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.005+/-0.017 χ^2/NDF: 79.6/70

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.028+/-0.023 χ^2/NDF:72.9/60

All: -0.000+/-0.016 χ^2/NDF: 136.1/117



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: 102.660+/-0.017 χ^2/NDF: 4597782.2/36

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

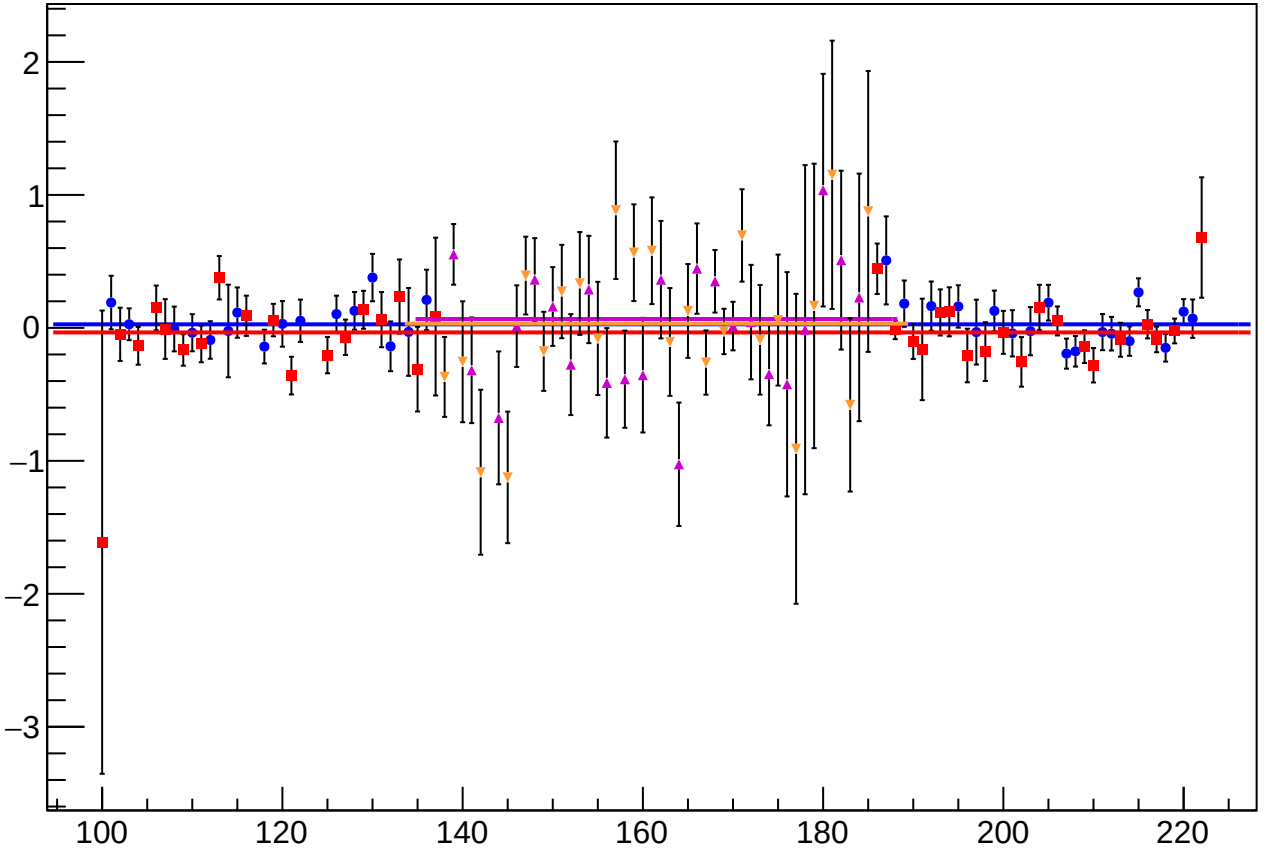
Right: 106.628+/-0.012 χ^2/NDF: 7136822.8/70

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 119.994+/-0.016 χ^2/NDF:21854375.6/60

All: 124.520+/-0.012 χ^2/NDF: 40045236.4/11

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: -0.034+/-0.024 χ^2/NDF: 42.5/36

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

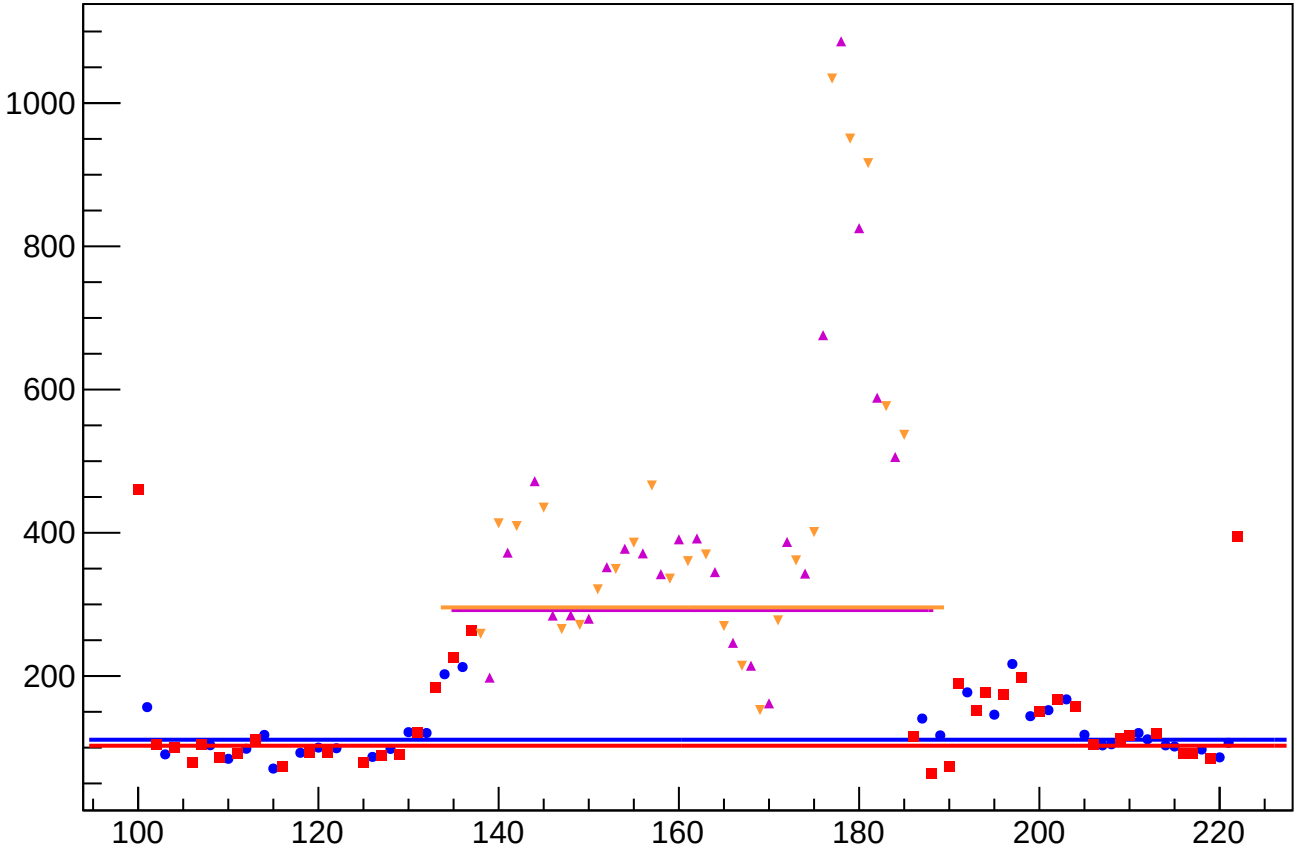
Right: -0.005+/-0.017 χ^2/NDF: 79.6/70

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.028+/-0.023 χ^2/NDF:72.9/60

All: -0.000+/-0.016 χ^2/NDF: 136.1/117

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: 102.660+/-0.017 χ^2/NDF: 4597782.2/36

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

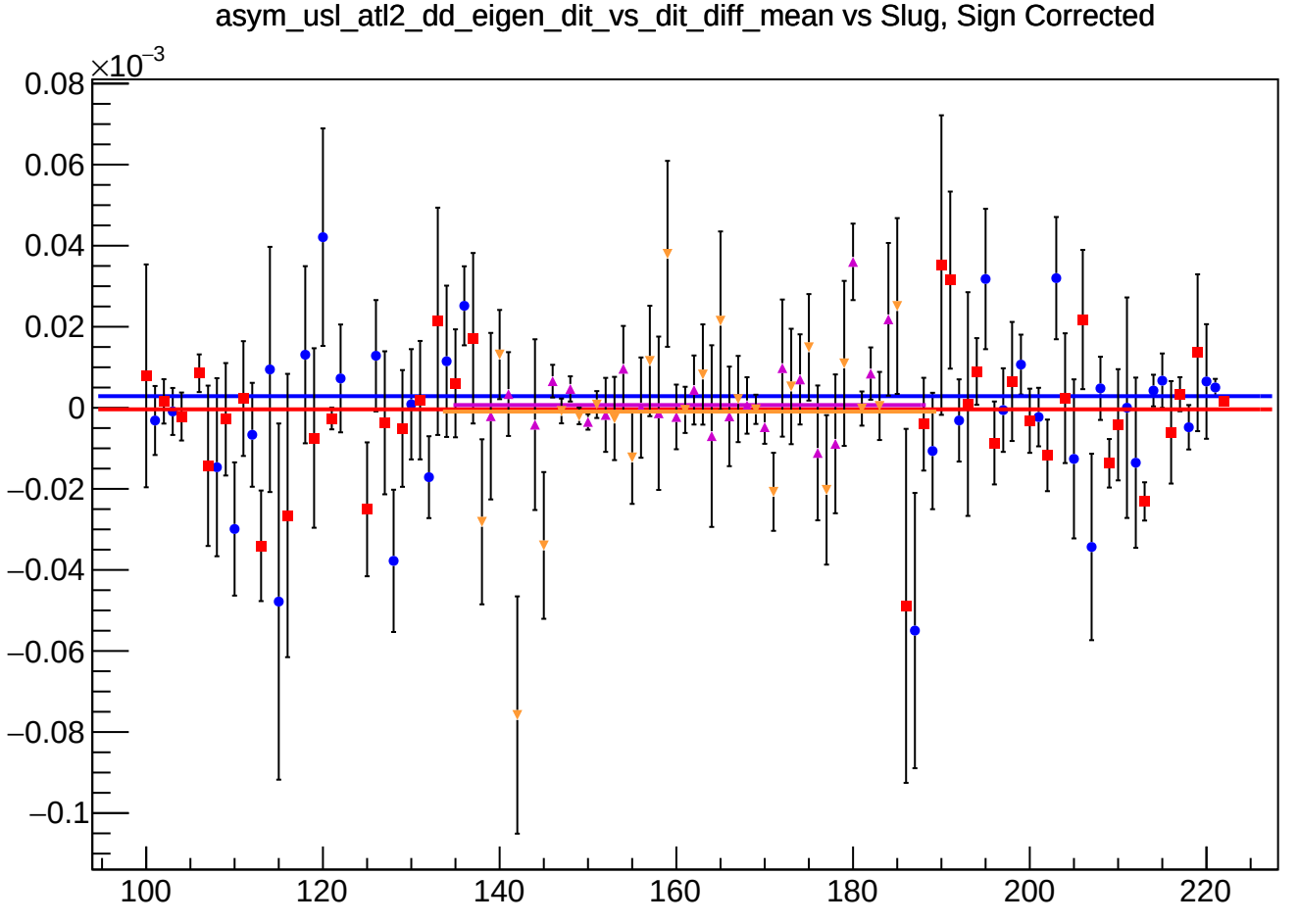
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 106.628+/-0.012 χ^2/NDF: 7136822.8/70

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 119.994+/-0.016 χ^2/NDF:21854375.6/60

All: 124.520+/-0.012 χ^2/NDF: 40045236.4/11



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: 58.2/36

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

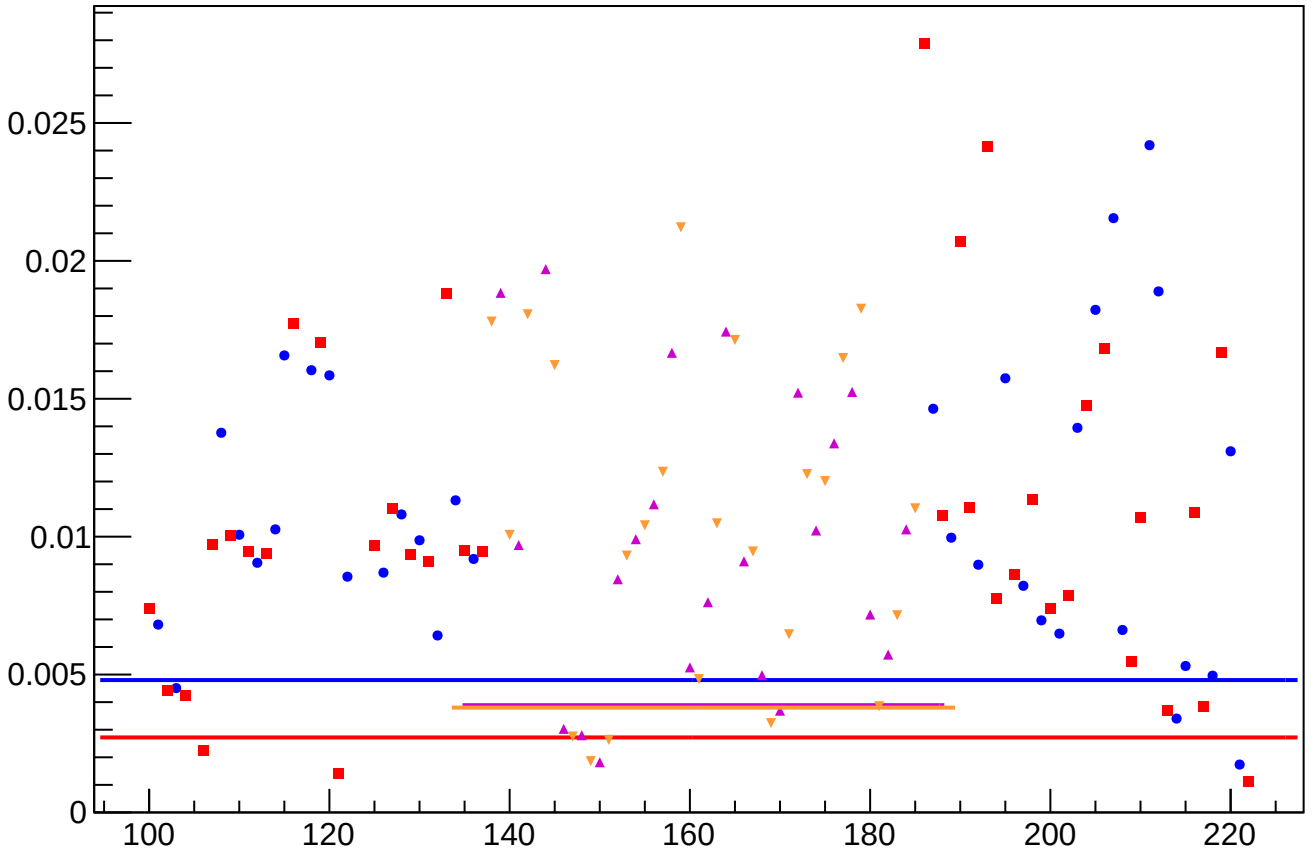
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: 0.000+/-0.000 χ^2/NDF: 107.1/70

In: 0.000+/-0.000 χ^2/NDF:76.2/56

Out: -0.000+/-0.000 χ^2/NDF:87.4/60

All: 0.000+/-0.000 χ^2/NDF: 167.4/117



Right In: 0.005+/-0.000 χ^2/NDF: 15428381.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.003+/-0.000 χ^2/NDF: 23162136.0/36

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

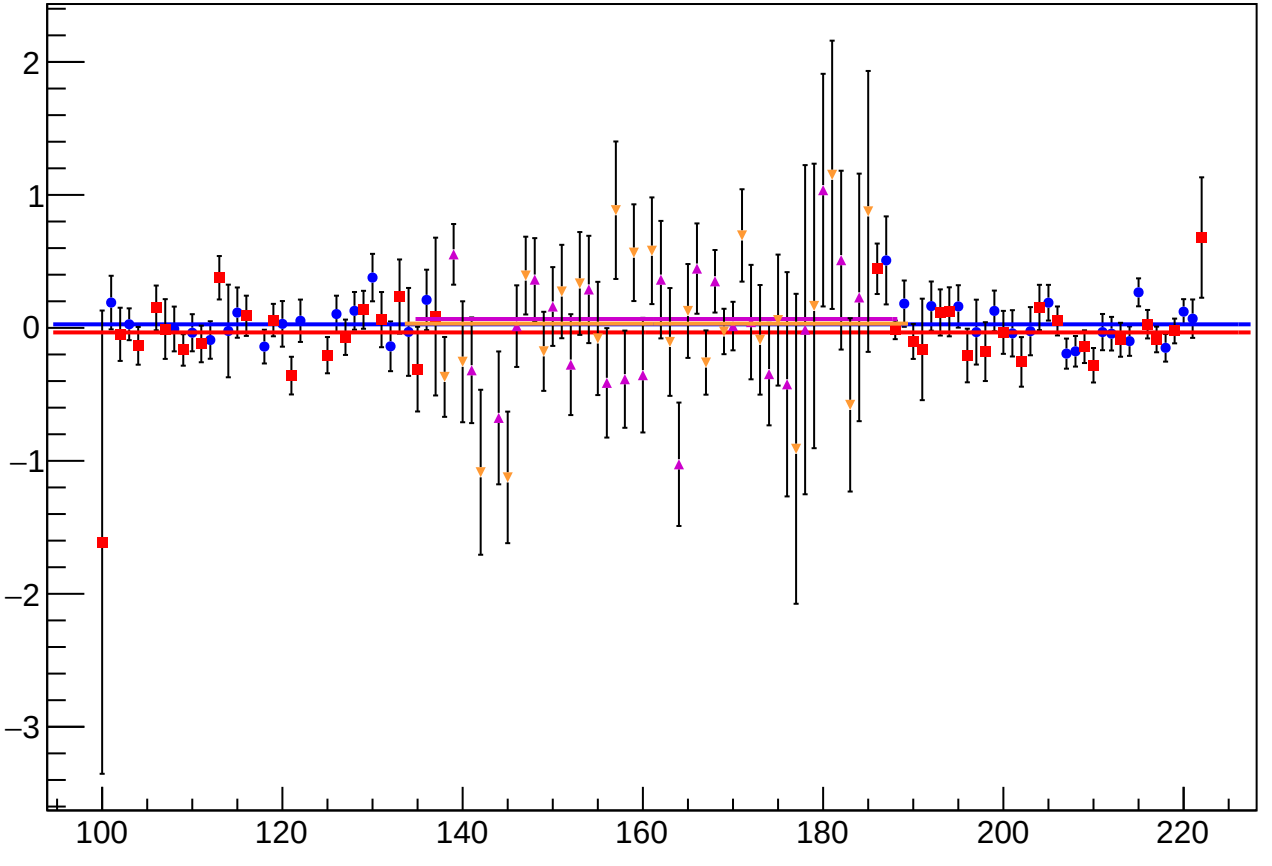
Right: 0.003+/-0.000 χ^2/NDF: 41839152.7/70

In: 0.004+/-0.000 χ^2/NDF:29444693.9/56

Out: 0.003+/-0.000 χ^2/NDF:38825493.7/60

All: 0.004+/-0.000 χ^2/NDF: 70338852.1/117

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: -0.034+/-0.024 χ^2/NDF: 42.5/36

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

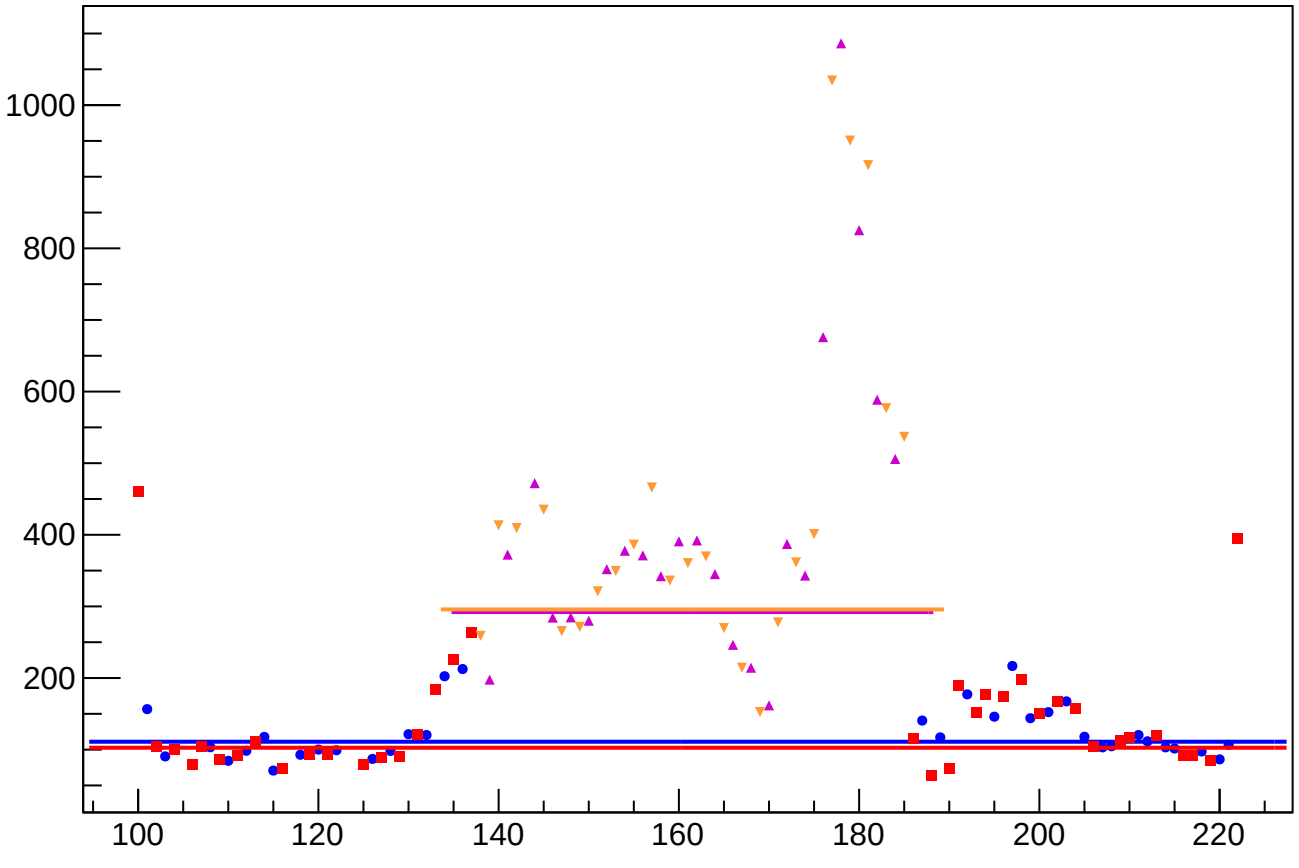
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.005+/-0.017 χ^2/NDF: 79.6/70

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.028+/-0.023 χ^2/NDF:72.9/60

All: -0.000+/-0.016 χ^2/NDF: 136.1/117



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: 102.659+/-0.017 χ^2/NDF: 4597899.8/36

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

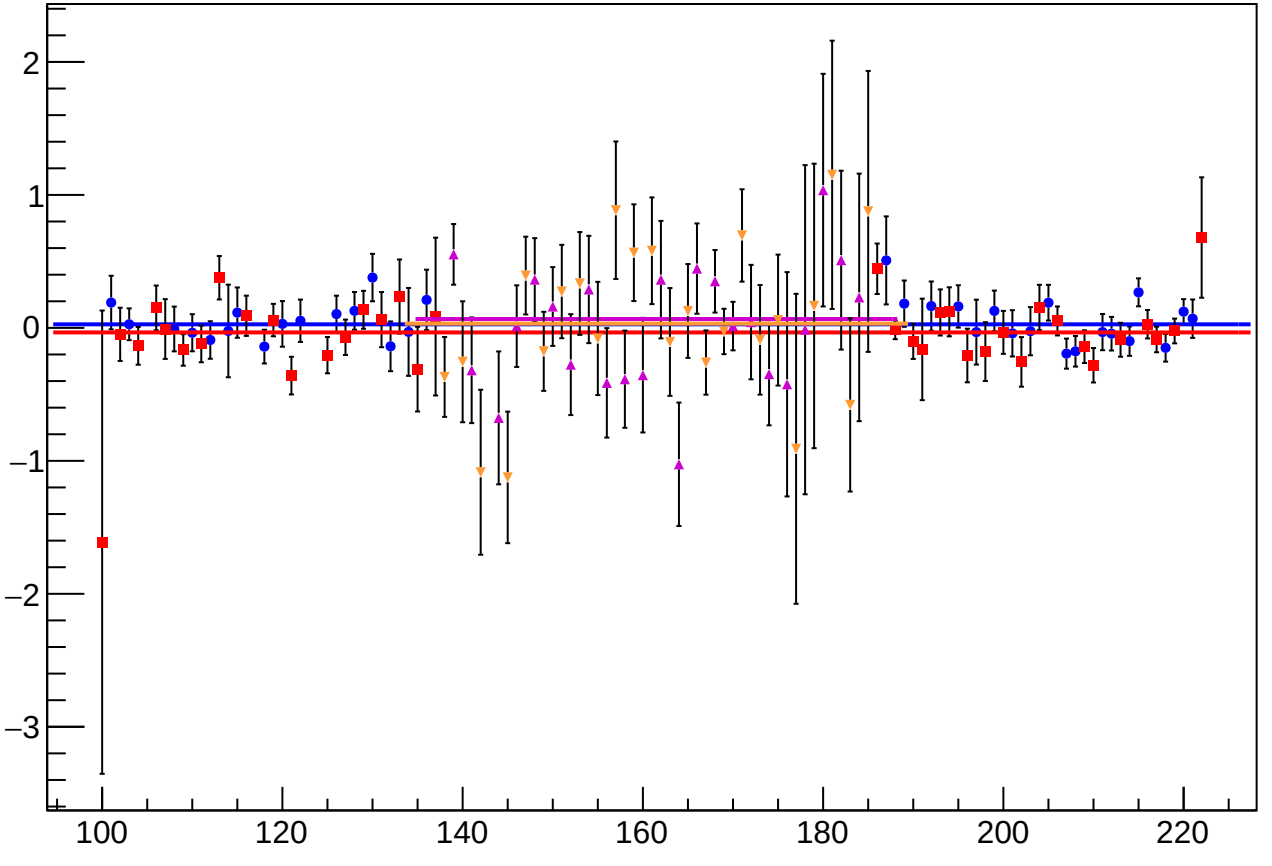
Right: 106.628+/-0.012 χ^2/NDF: 7136921.9/70

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 119.994+/-0.016 χ^2/NDF:21854708.4/60

All: 124.520+/-0.012 χ^2/NDF: 40045624.8/11

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: -0.034+/-0.024 χ^2/NDF: 42.5/36

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

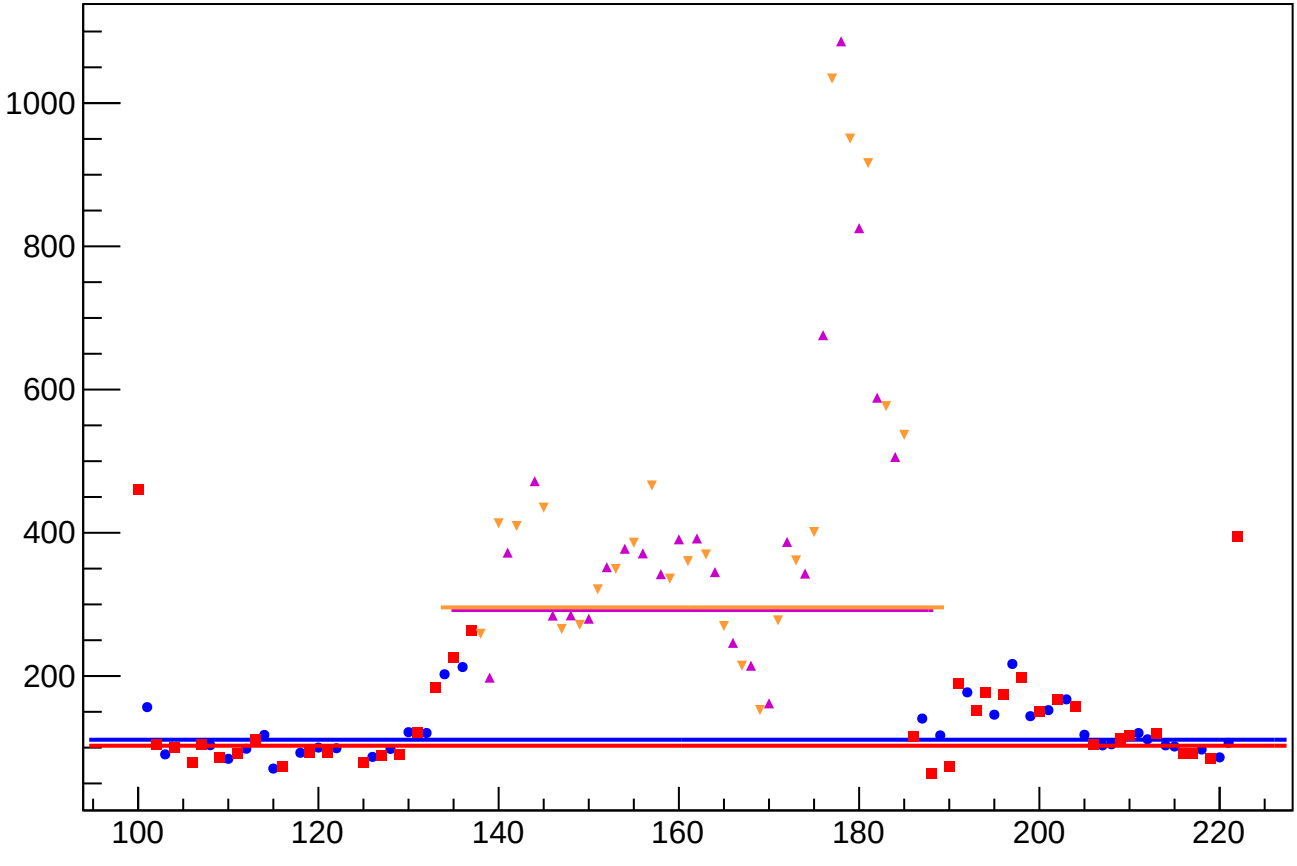
Right: -0.005+/-0.017 χ^2/NDF: 79.6/70

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.028+/-0.023 χ^2/NDF:72.9/60

All: -0.000+/-0.016 χ^2/NDF: 136.1/117

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.040+/-0.018 χ^2/NDF: 2422256.6/33

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.659+/-0.017 χ^2/NDF: 4597899.8/36

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

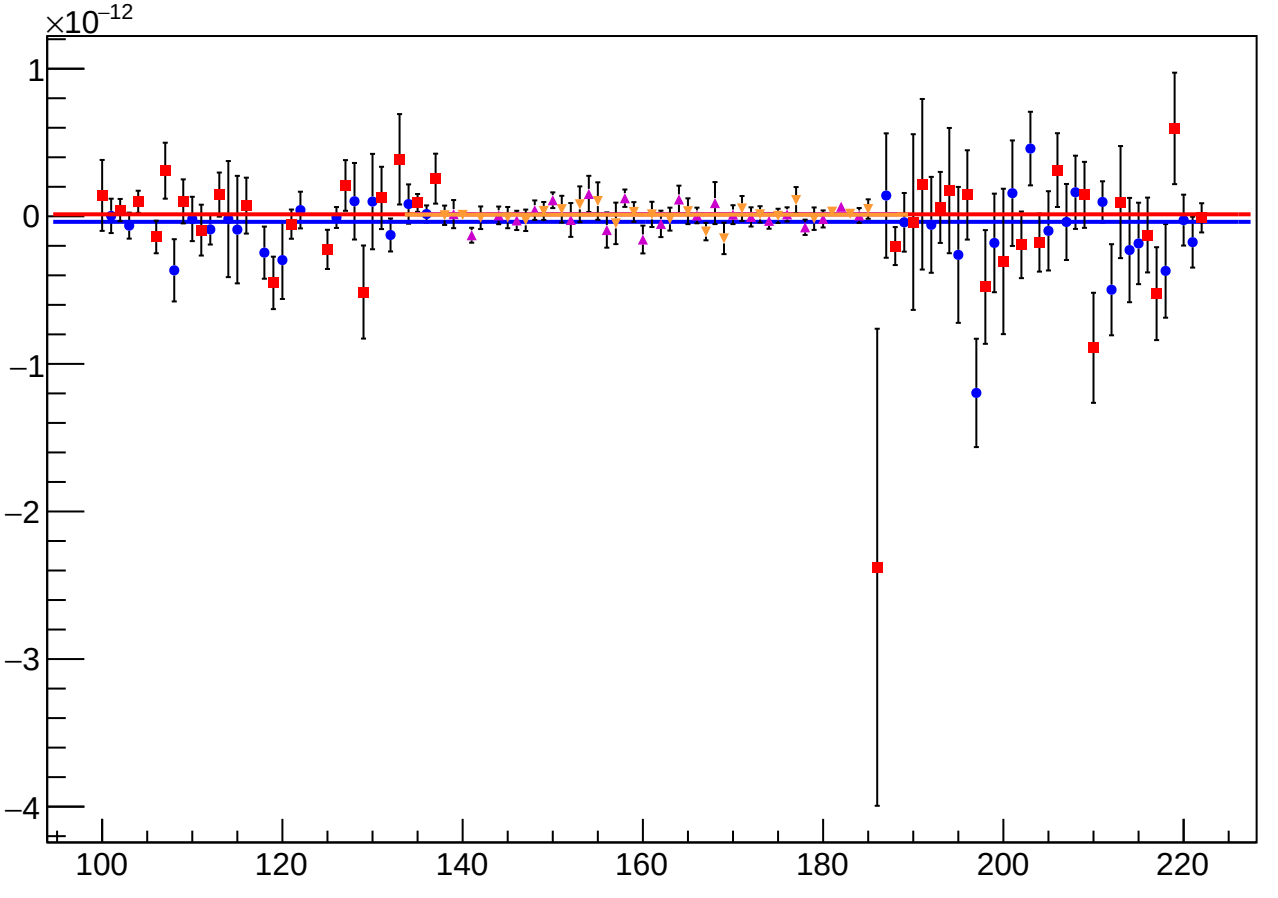
Right: 106.628+/-0.012 χ^2/NDF: 7136921.9/70

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 119.994+/-0.016 χ^2/NDF:21854708.4/60

All: 124.520+/-0.012 χ^2/NDF: 40045624.8/11

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 50.4/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

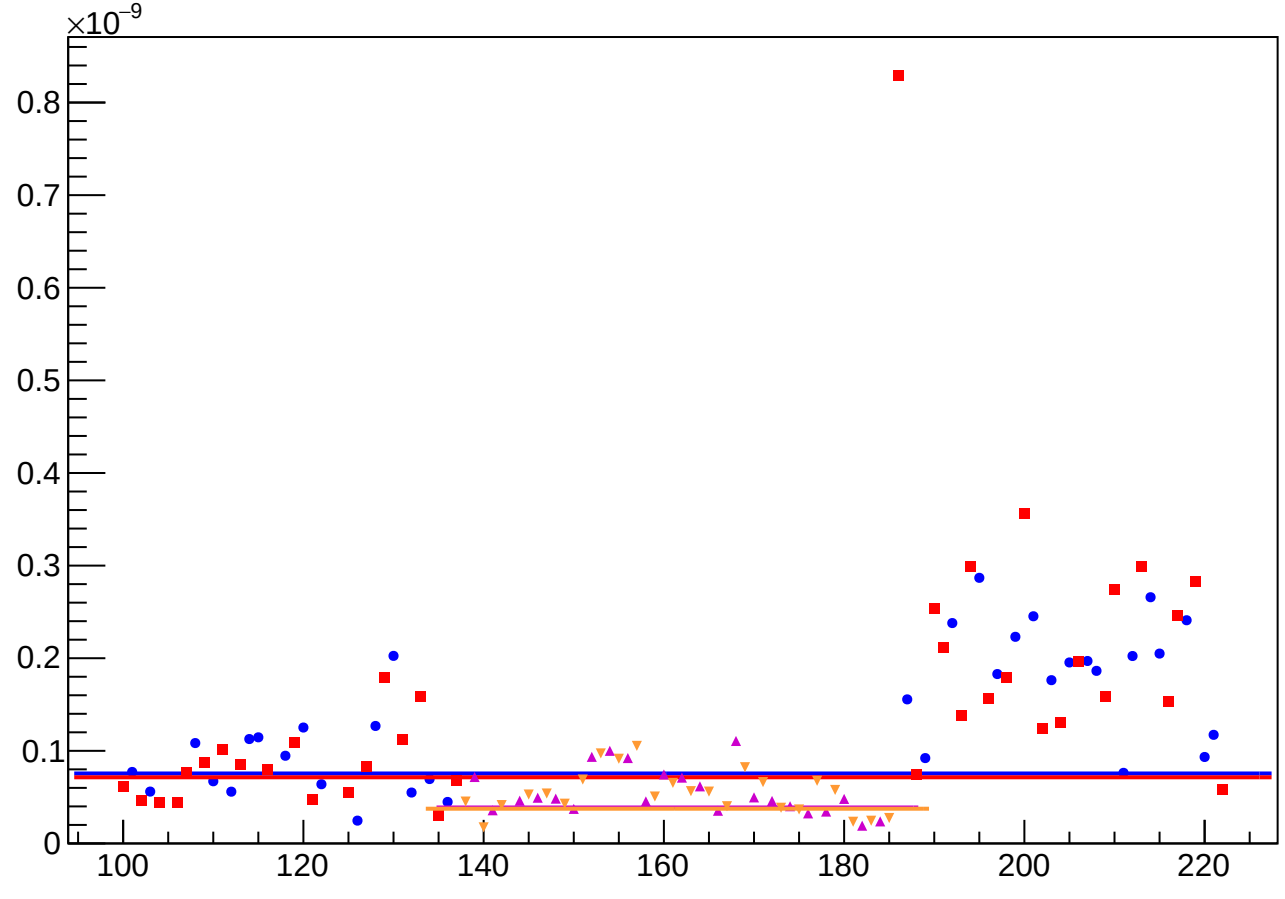
Right: -0.000+/-0.000 χ^2/NDF: 82.0/70

In: 0.000+/-0.000 χ^2/NDF:63.8/56

Out: 0.000+/-0.000 χ^2/NDF:61.0/60

All: 0.000+/-0.000 χ^2/NDF: 125.0/117

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: 8727716.2/36

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

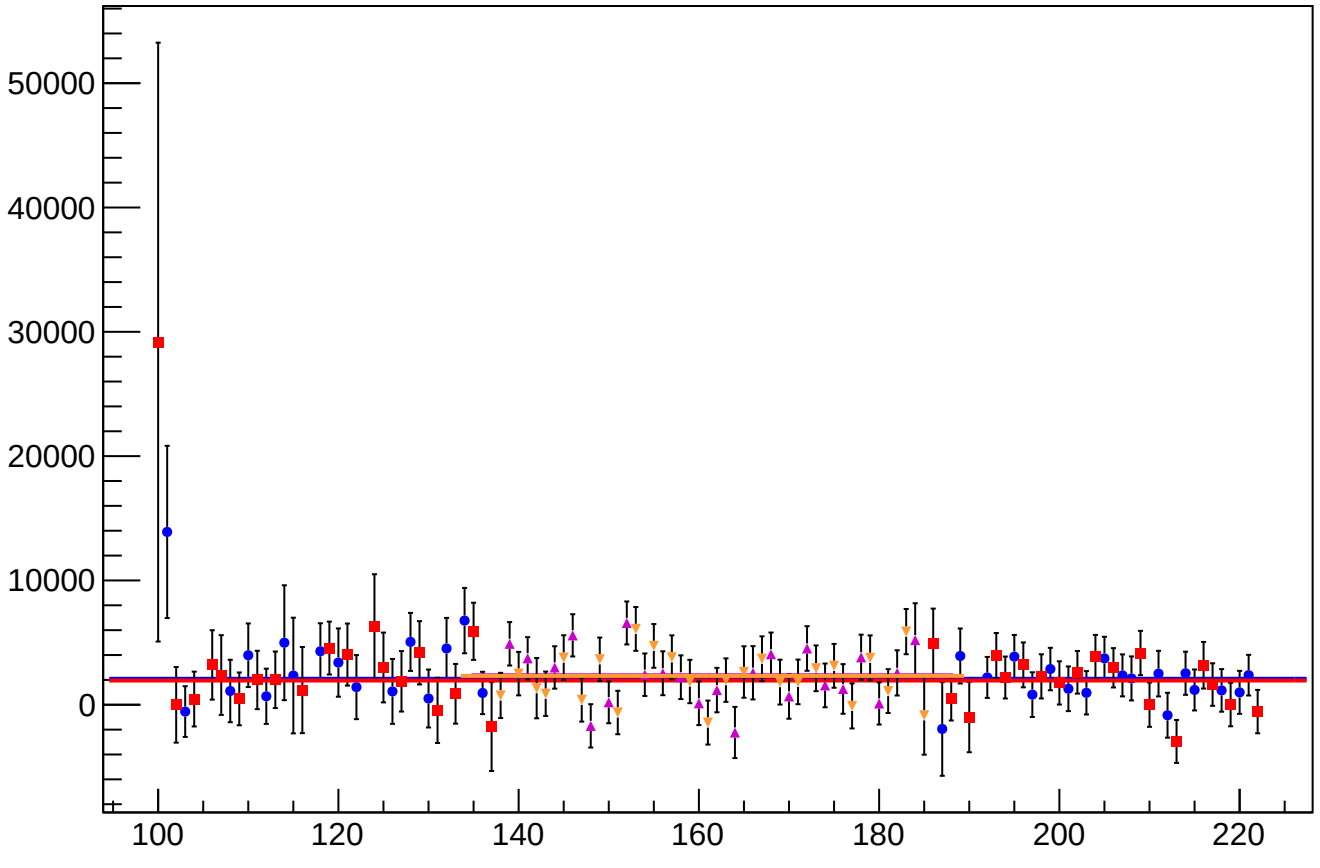
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16809804.0/70

In: 0.000+/-0.000 χ^2/NDF:15830998.1/56

Out: 0.000+/-0.000 χ^2/NDF:16633977.6/60

All: 0.000+/-0.000 χ^2/NDF: 32485576.3/117



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: 1950.301+/-349.462 χ^2/NDF: 33.1/36

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

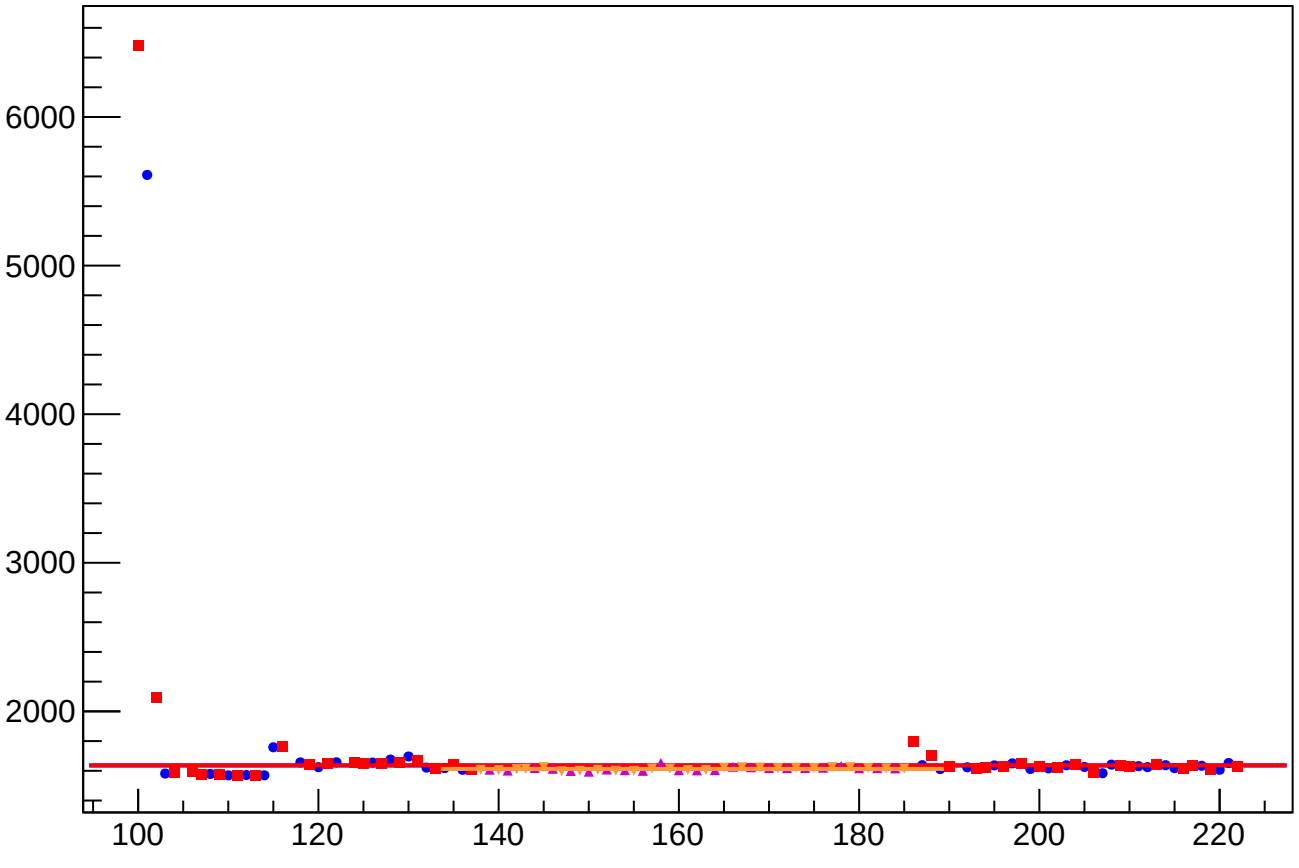
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2019.118+/-247.531 χ^2/NDF: 56.2/70

In: 2219.393+/-256.699 χ^2/NDF:57.1/56

Out: 2126.966+/-252.850 χ^2/NDF:61.1/61

All: 2172.481+/-180.137 χ^2/NDF: 118.3/118



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: 1637.076+/-0.247 χ^2/NDF: 149762.7/36

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

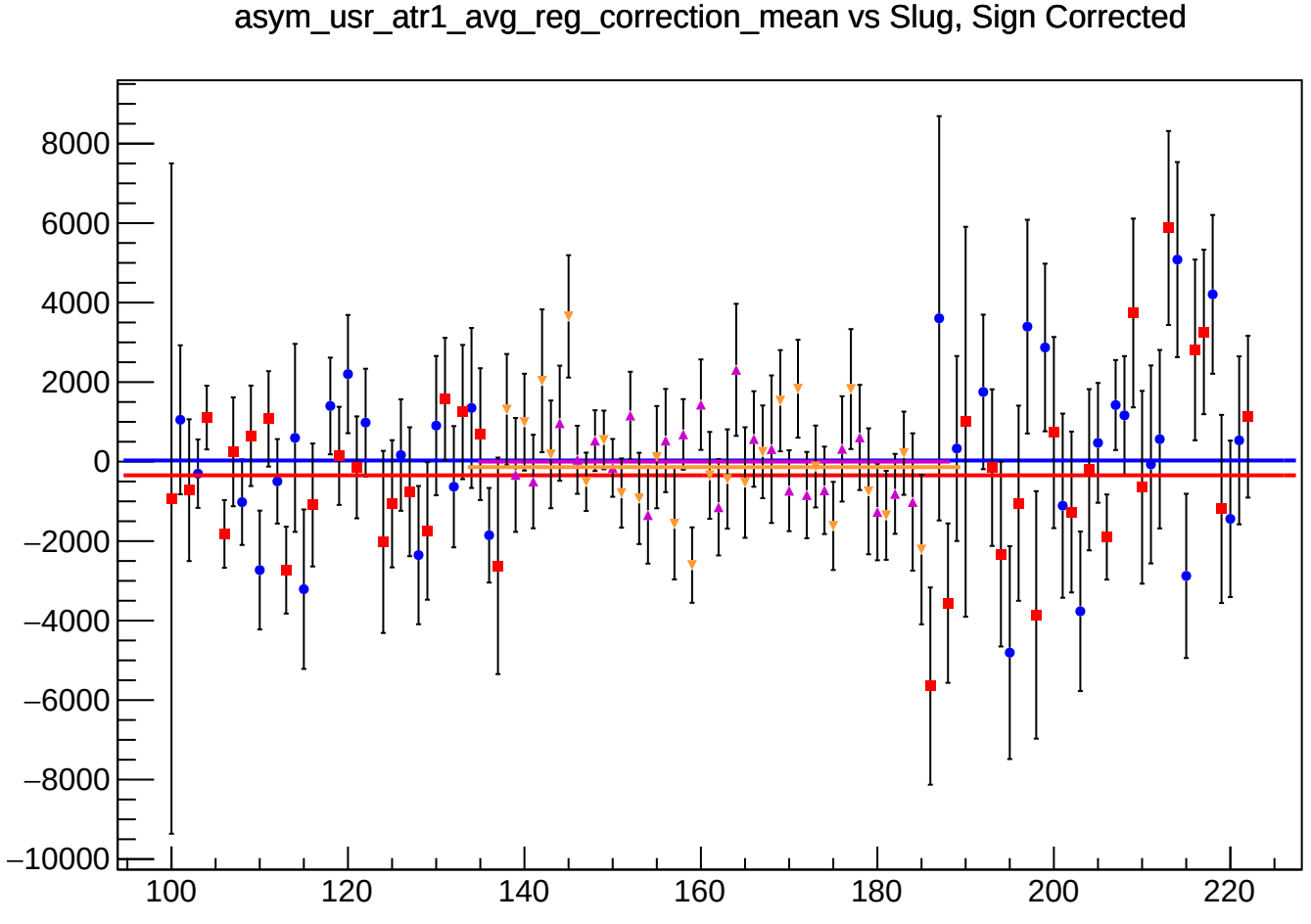
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.443+/-0.175 χ^2/NDF: 822349.7/70

In: 1625.589+/-0.182 χ^2/NDF:678585.8/56

Out: 1625.417+/-0.179 χ^2/NDF:155607.4/61

All: 1625.502+/-0.127 χ^2/NDF: 834193.6/118



Right In: 28.397+/-276.634 χ^2/NDF: 42.1/33

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -345.032+/-264.737 χ^2/NDF: 45.6/36

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

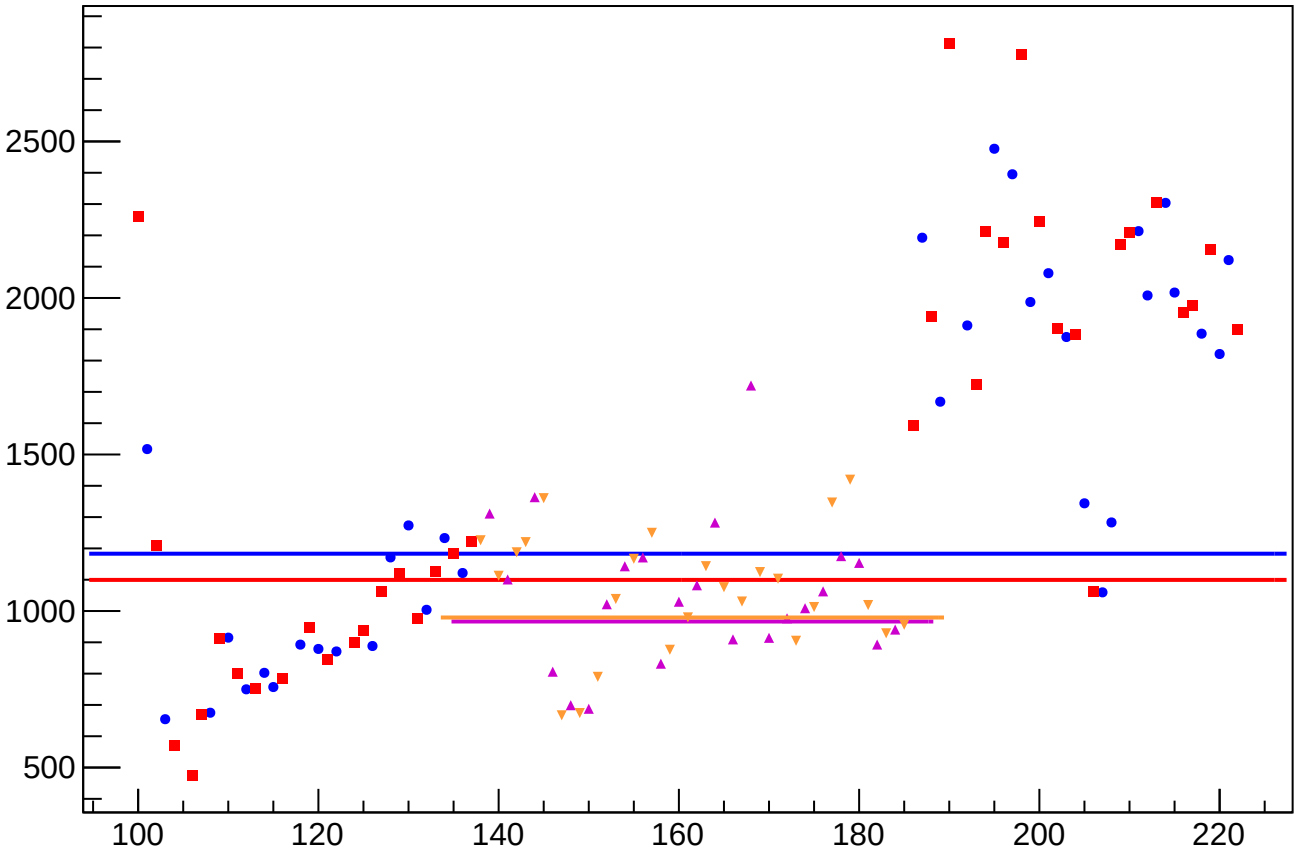
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -166.520+/-191.265 χ^2/NDF: 88.7/70

In: 11.666+/-177.718 χ^2/NDF:54.9/56

Out: -227.249+/-173.249 χ^2/NDF:76.1/61

All: -110.833+/-124.056 χ^2/NDF: 132.0/118



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: 1099.392+/-0.187 χ^2/NDF: 8843444.7/36

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

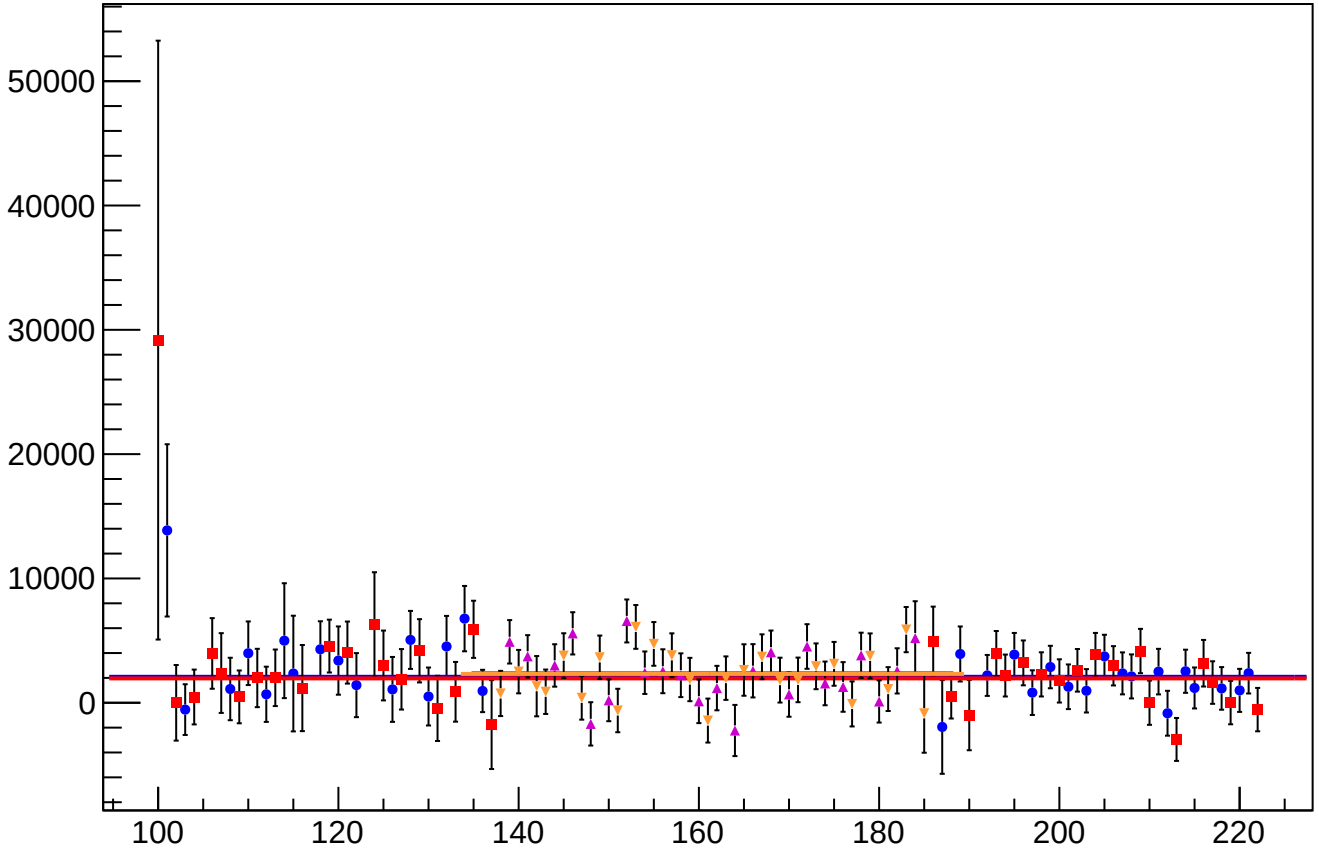
Right: 1139.413+/-0.135 χ^2/NDF: 15585256.6/70

In: 1055.914+/-0.126 χ^2/NDF:8968786.4/56

Out: 1030.728+/-0.123 χ^2/NDF:10709390.2/61

All: 1043.001+/-0.088 χ^2/NDF: 19698772.1/1

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: 1961.295+/-349.556 χ^2/NDF: 33.4/36

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

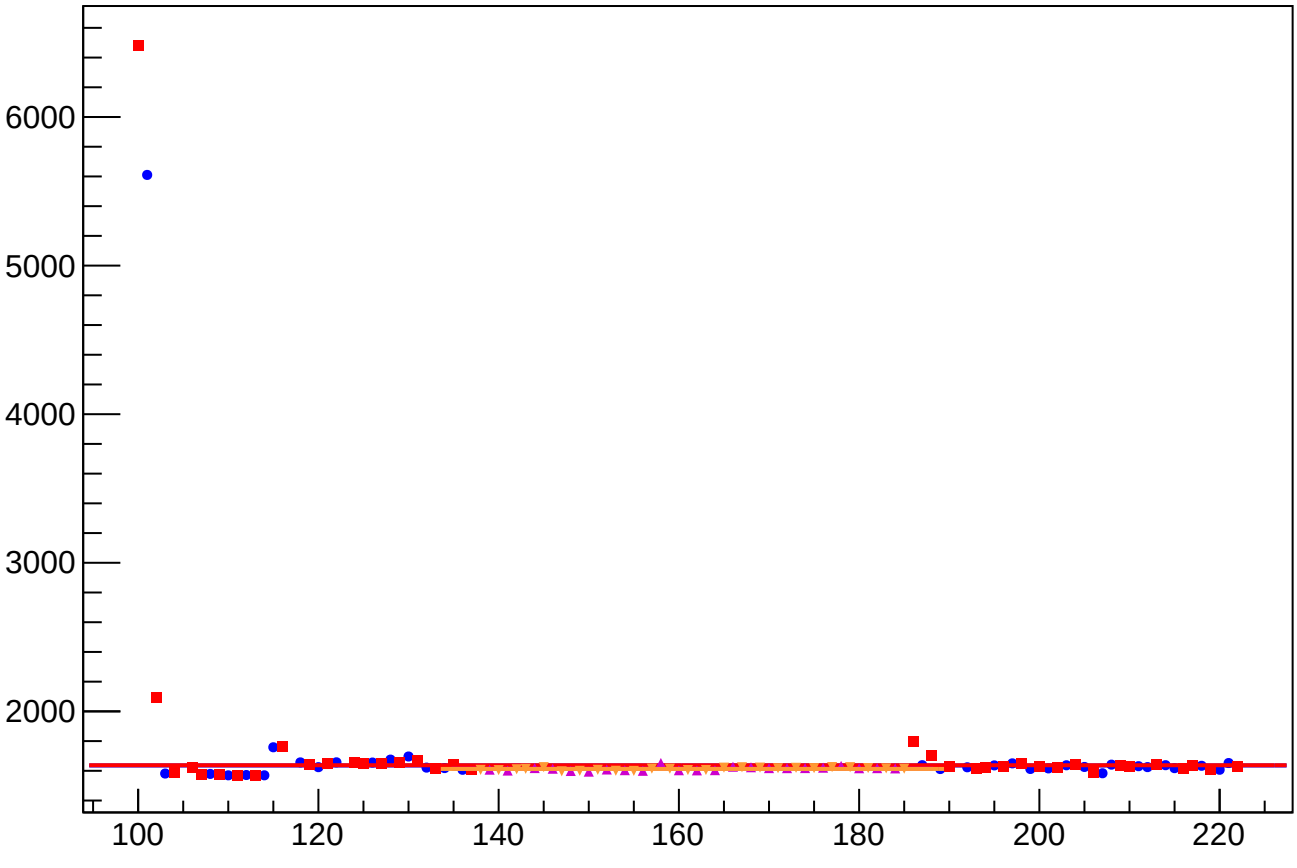
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2024.530+/-247.564 χ^2/NDF: 56.5/70

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2132.750+/-252.886 χ^2/NDF:61.4/61

All: 2175.375+/-180.150 χ^2/NDF: 118.5/118



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: 1637.501+/-0.247 χ^2/NDF: 149342.9/36

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

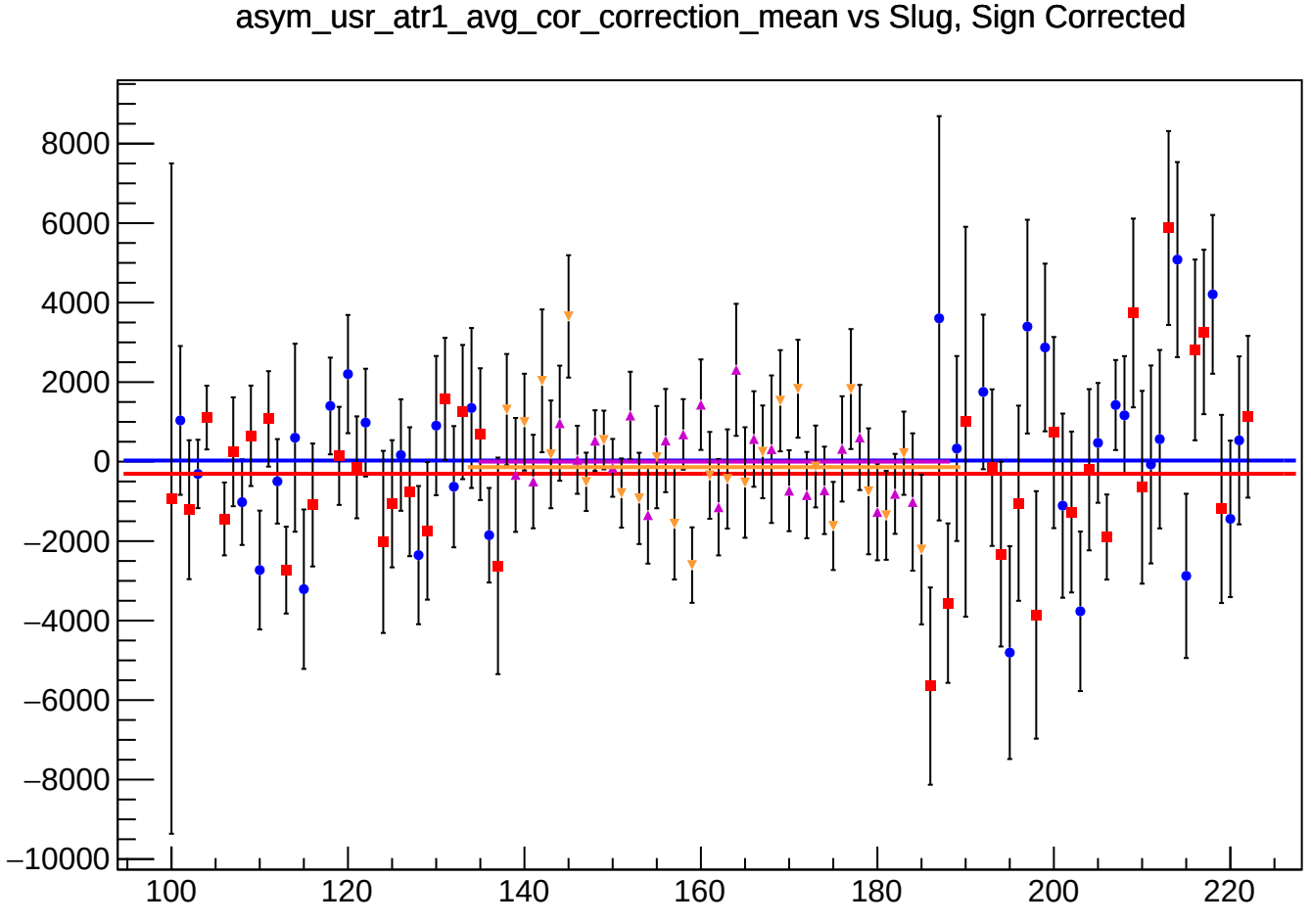
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.655+/-0.175 χ^2/NDF: 821939.7/70

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1625.636+/-0.179 χ^2/NDF:155349.9/61

All: 1625.613+/-0.127 χ^2/NDF: 833935.2/118


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
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−10000
100
120
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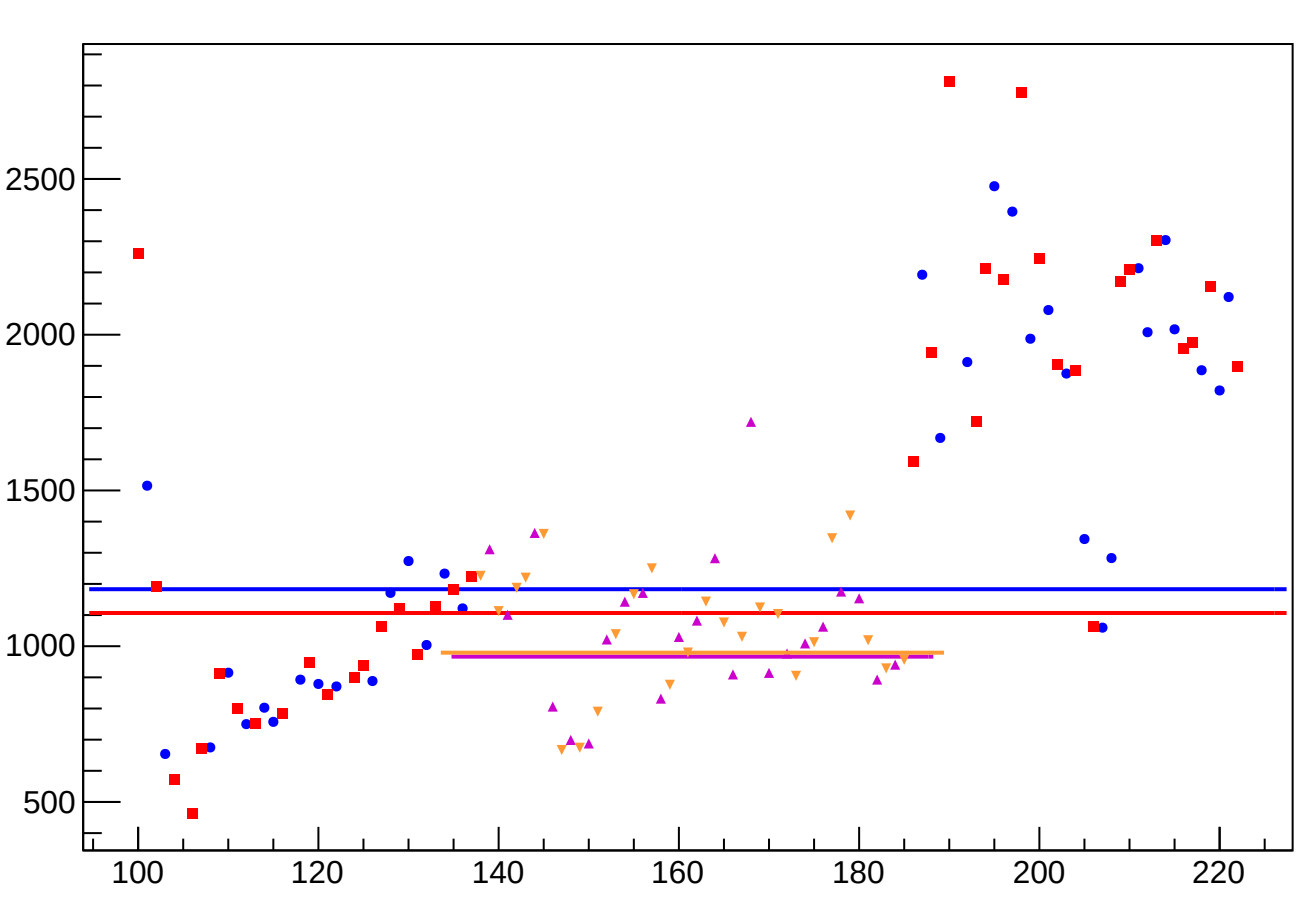
160
180
200
220
Right In: 27.476+/-276.611 χ²/NDF: 42.1/33
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -305.341+/-266.409 χ²/NDF: 44.2/36
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -145.183+/-191.885 χ²/NDF: 87.1/70
In: 11.301+/-177.712 χ²/NDF:54.9/56
Out: -209.768+/-173.715 χ²/NDF:74.6/61
All: -101.747+/-124.224 χ²/NDF: 130.3/118



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: 1106.631+/-0.188 χ^2/NDF: 8723211.6/36

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

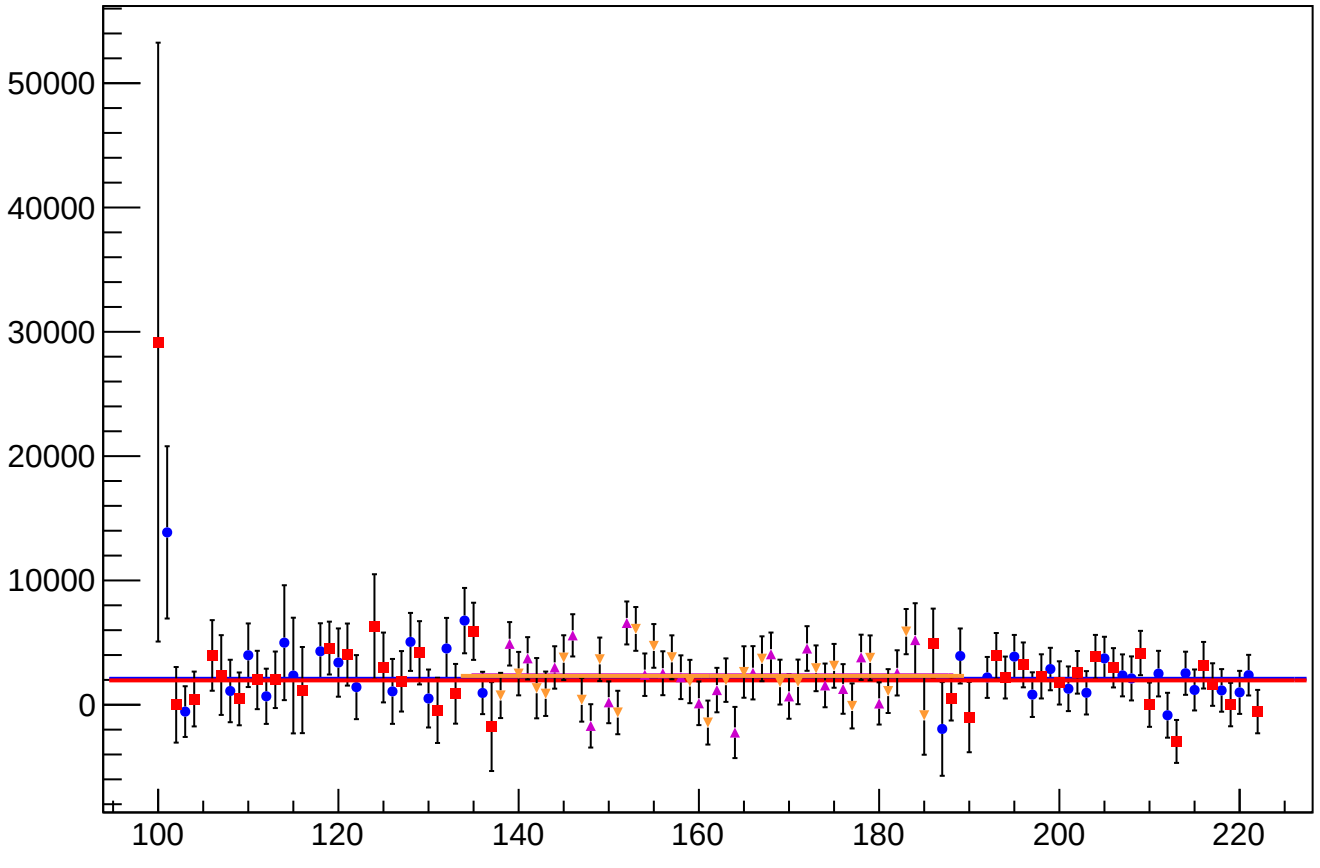
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1143.379+/-0.136 χ^2/NDF: 15449654.4/70

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1033.432+/-0.123 χ^2/NDF:10616611.3/61

All: 1044.401+/-0.088 χ^2/NDF: 19602110.6/1



Right In: 2088.166+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 1961.295+/-349.556 χ^2/NDF: 33.4/36

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

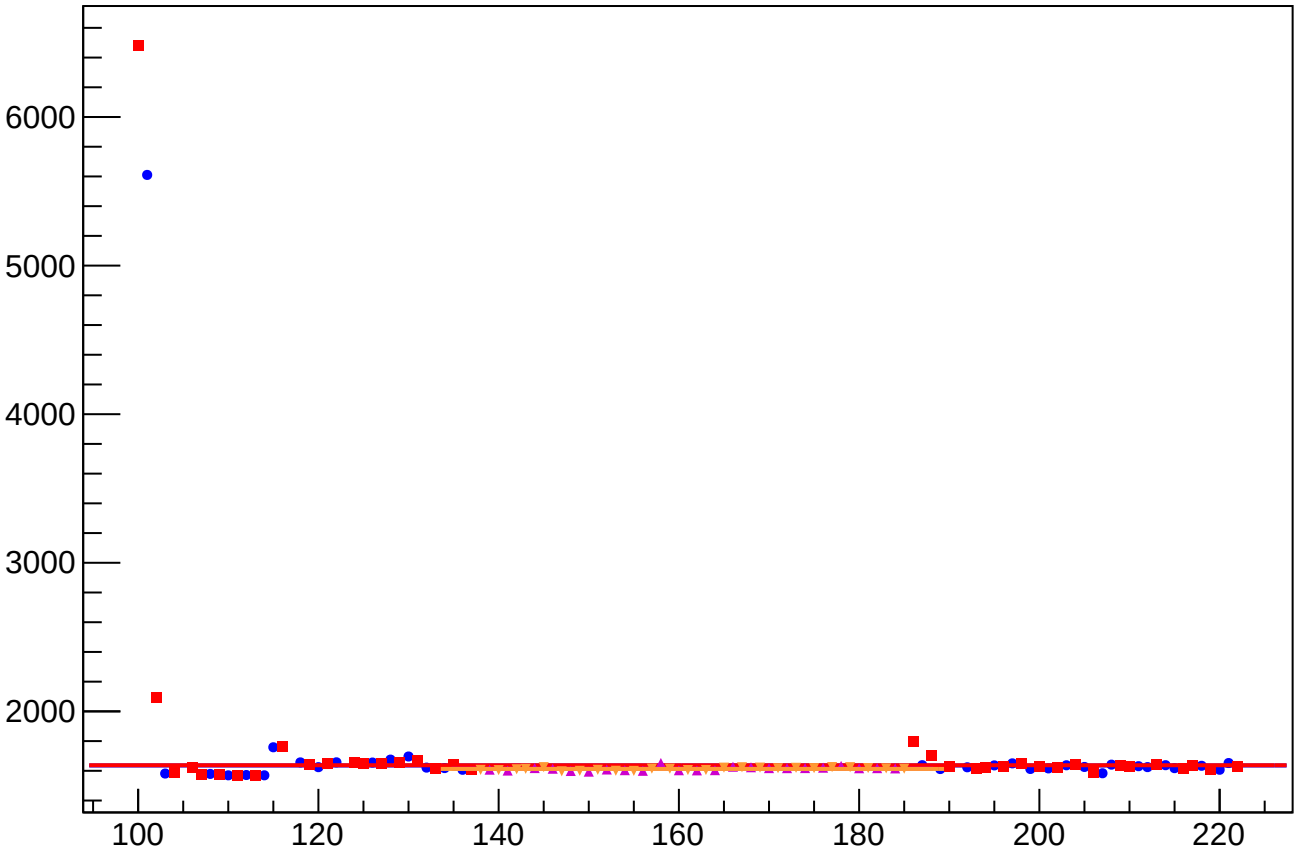
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2024.530+/-247.564 χ^2/NDF: 56.5/70

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2132.750+/-252.886 χ^2/NDF:61.4/61

All: 2175.375+/-180.150 χ^2/NDF: 118.5/118



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: 1637.501+/-0.247 χ^2/NDF: 149342.9/36

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

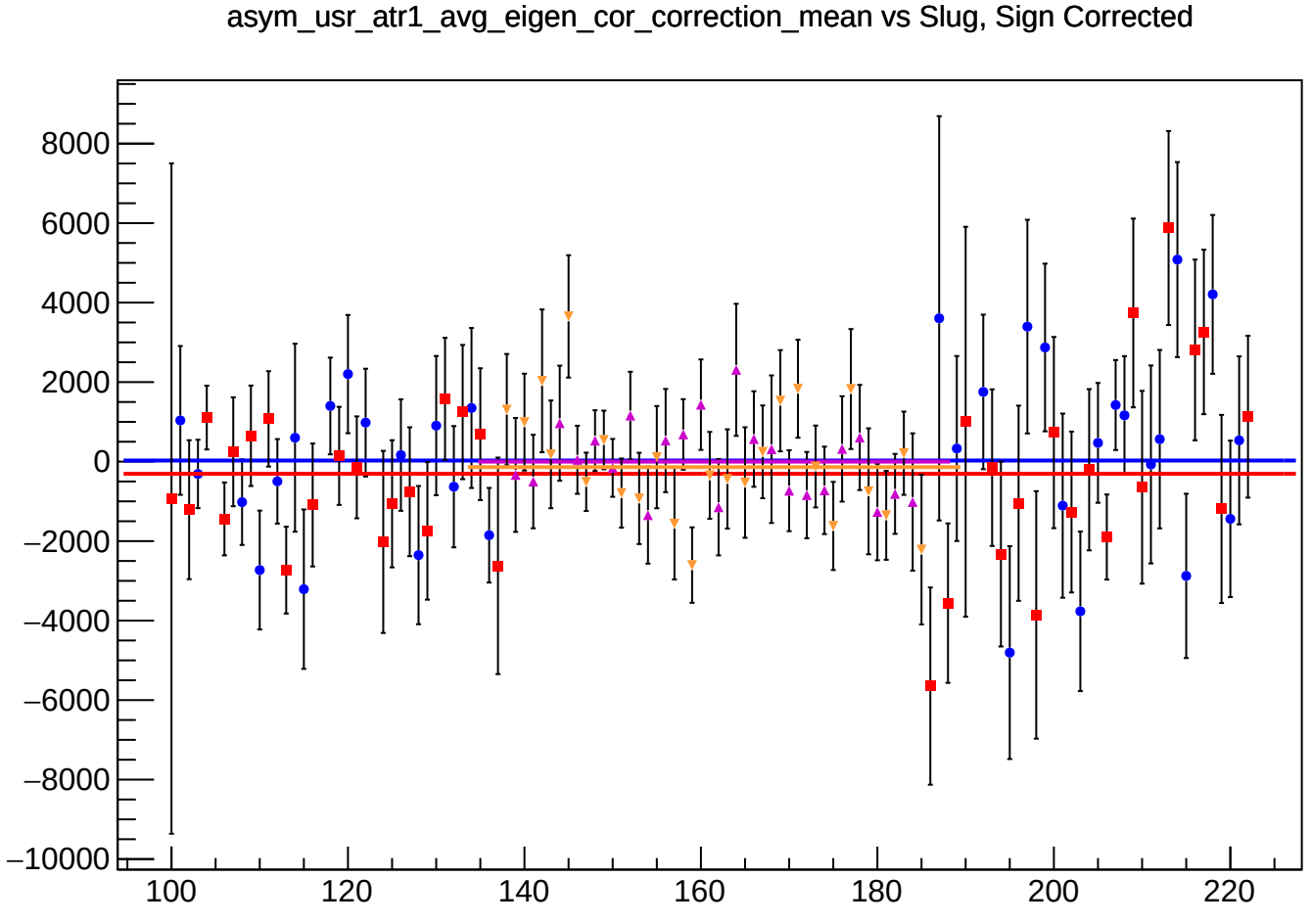
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.655+/-0.175 χ^2/NDF: 821939.7/70

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1625.636+/-0.179 χ^2/NDF:155349.9/61

All: 1625.613+/-0.127 χ^2/NDF: 833935.2/118


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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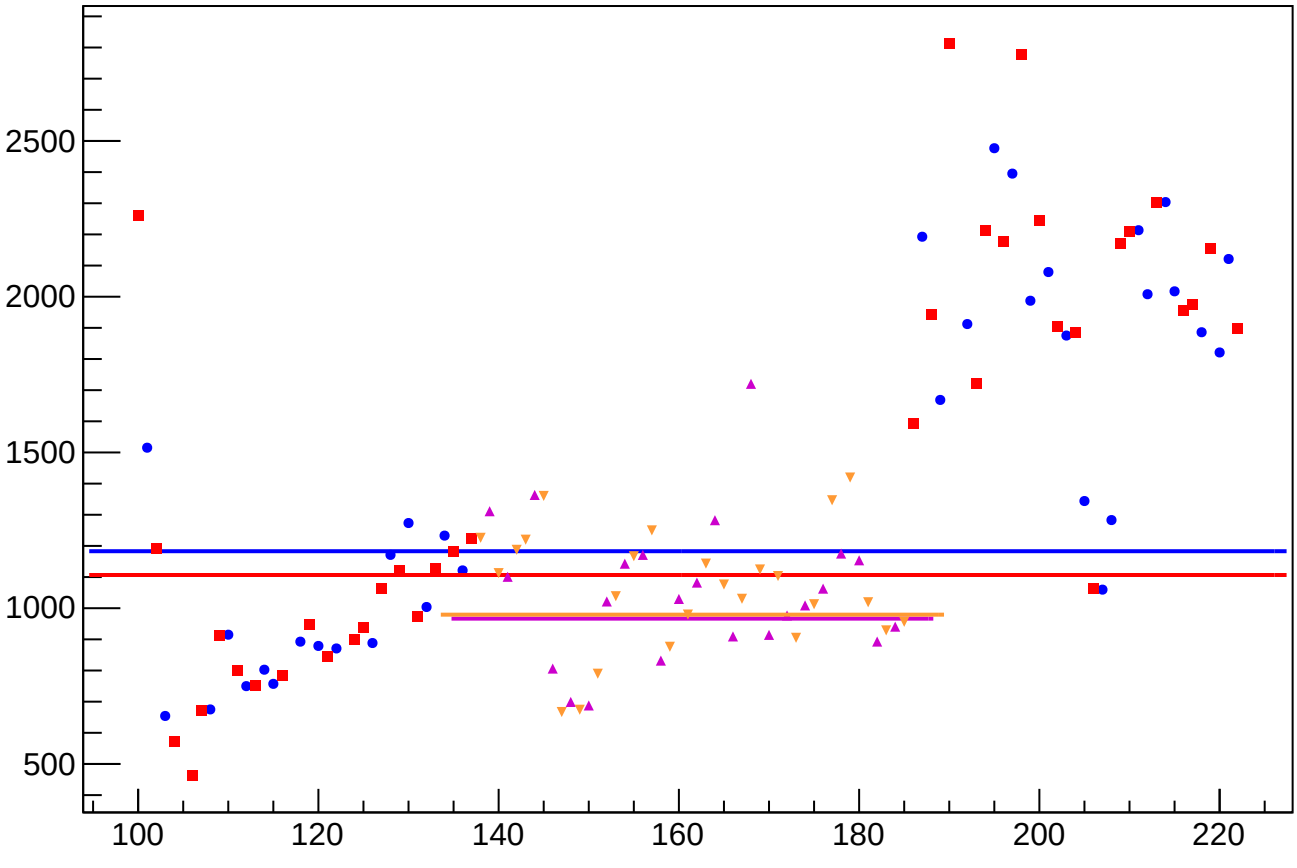
Right In: 27.476+/-276.611 χ²/NDF: 42.1/33
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -305.341+/-266.409 χ²/NDF: 44.2/36
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -145.183+/-191.885 χ²/NDF: 87.1/70
In: 11.301+/-177.712 χ²/NDF:54.9/56
Out: -209.768+/-173.715 χ²/NDF:74.6/61
All: -101.747+/-124.224 χ²/NDF: 130.3/118



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: 1106.631+/-0.188 χ^2/NDF: 8723211.6/36

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

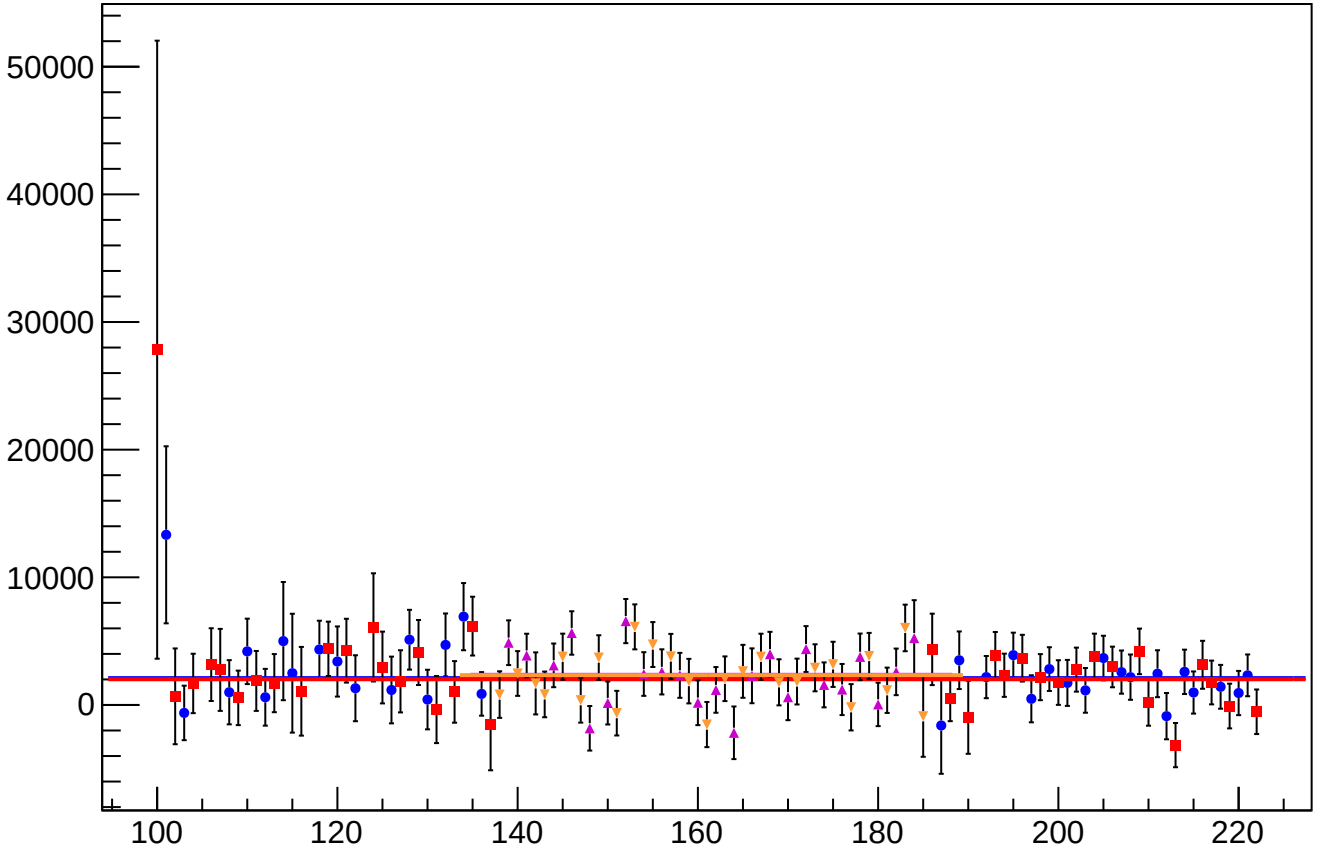
Right: 1143.379+/-0.136 χ^2/NDF: 15449654.4/70

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1033.432+/-0.123 χ^2/NDF:10616611.3/61

All: 1044.401+/-0.088 χ^2/NDF: 19602110.6/

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: 2014.428+/-352.191 χ^2/NDF: 32.5/36

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

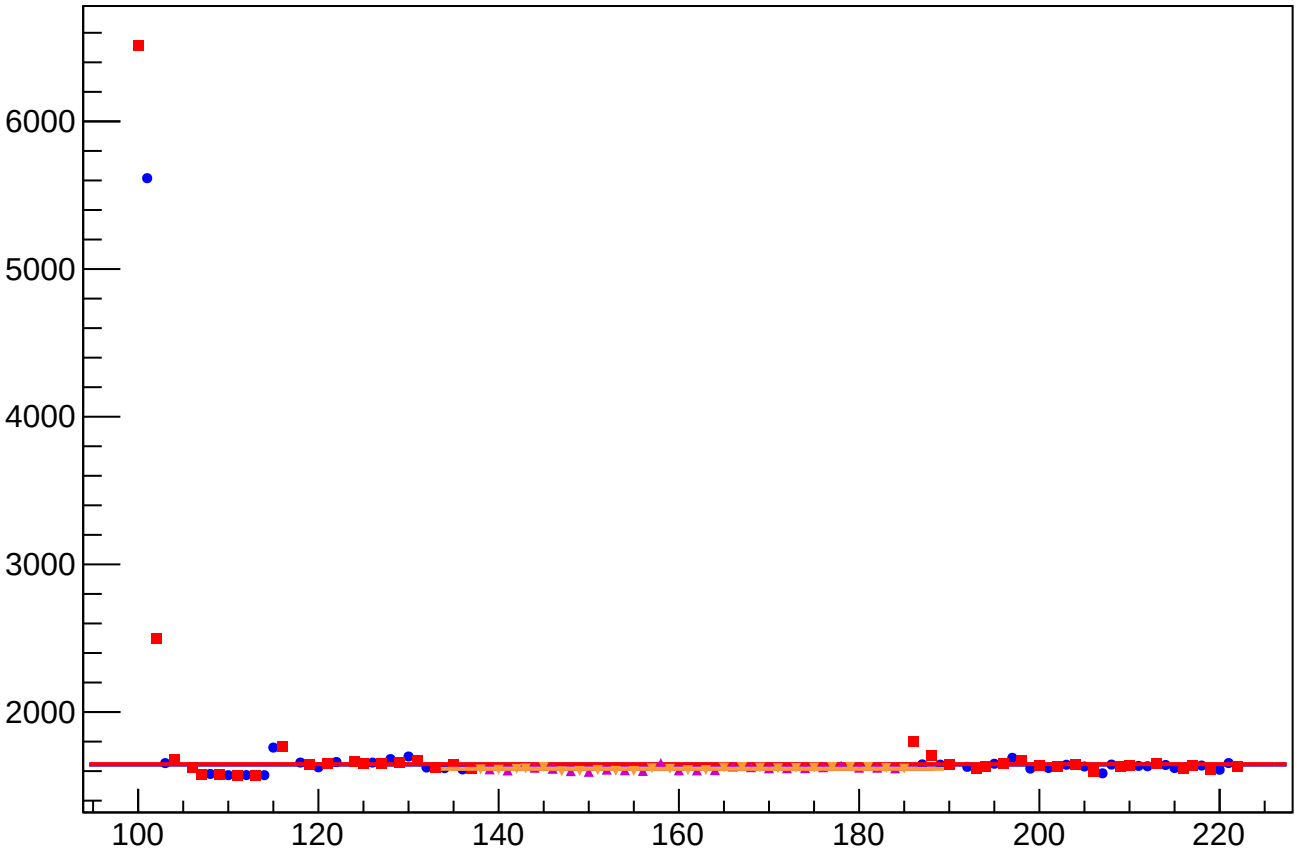
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2058.668+/-249.123 χ^2/NDF: 55.5/70

In: 2222.837+/-257.583 χ^2/NDF:57.3/56

Out: 2168.043+/-254.108 χ^2/NDF:61.1/61

All: 2195.068+/-180.897 χ^2/NDF: 118.4/118



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: 1647.317+/-0.249 χ^2/NDF: 207359.3/36

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

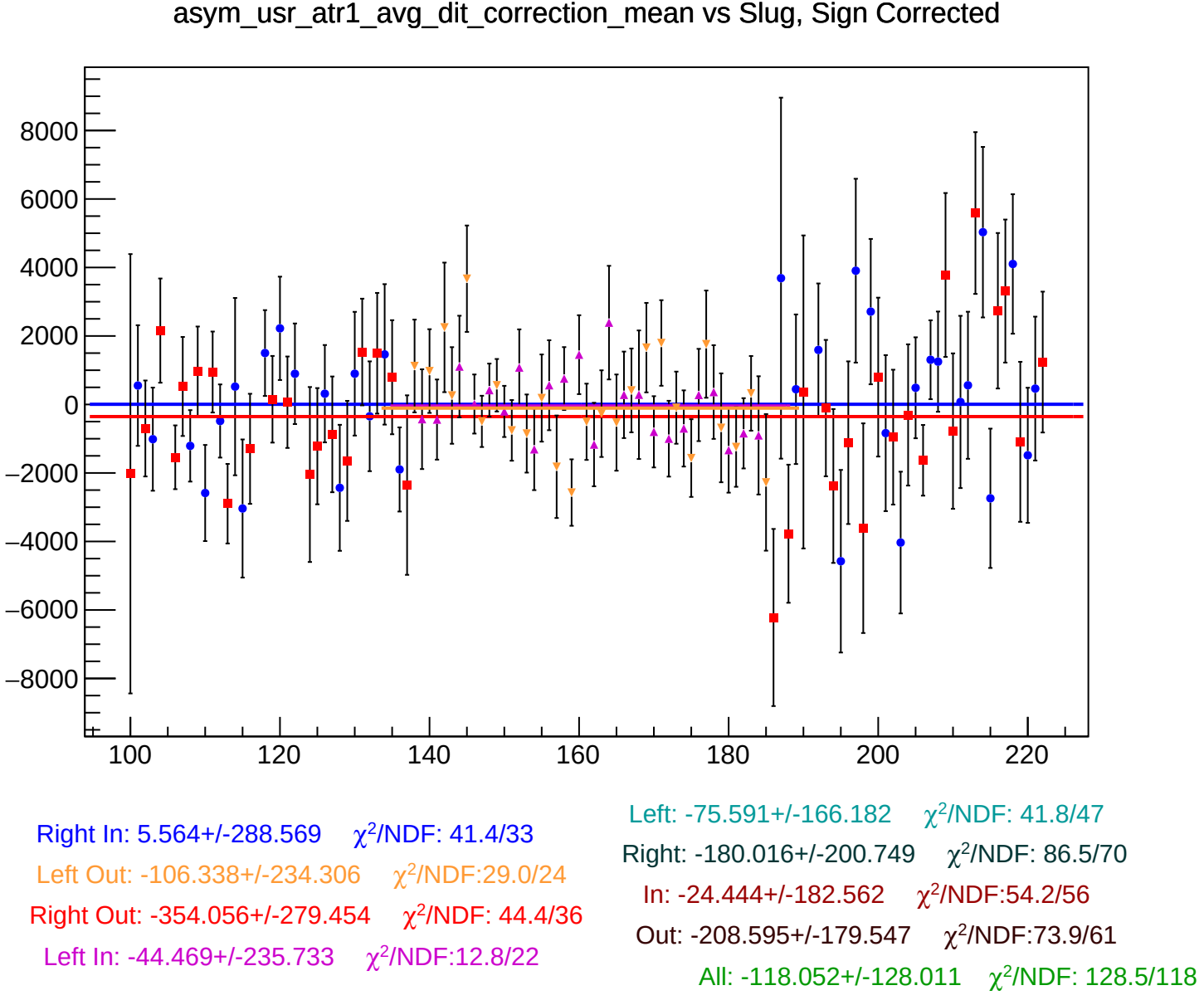
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1645.648+/-0.176 χ^2/NDF: 879058.5/70

In: 1631.112+/-0.182 χ^2/NDF:679887.5/56

Out: 1632.127+/-0.180 χ^2/NDF:216566.8/61

All: 1631.626+/-0.128 χ^2/NDF: 896470.0/118


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
8000
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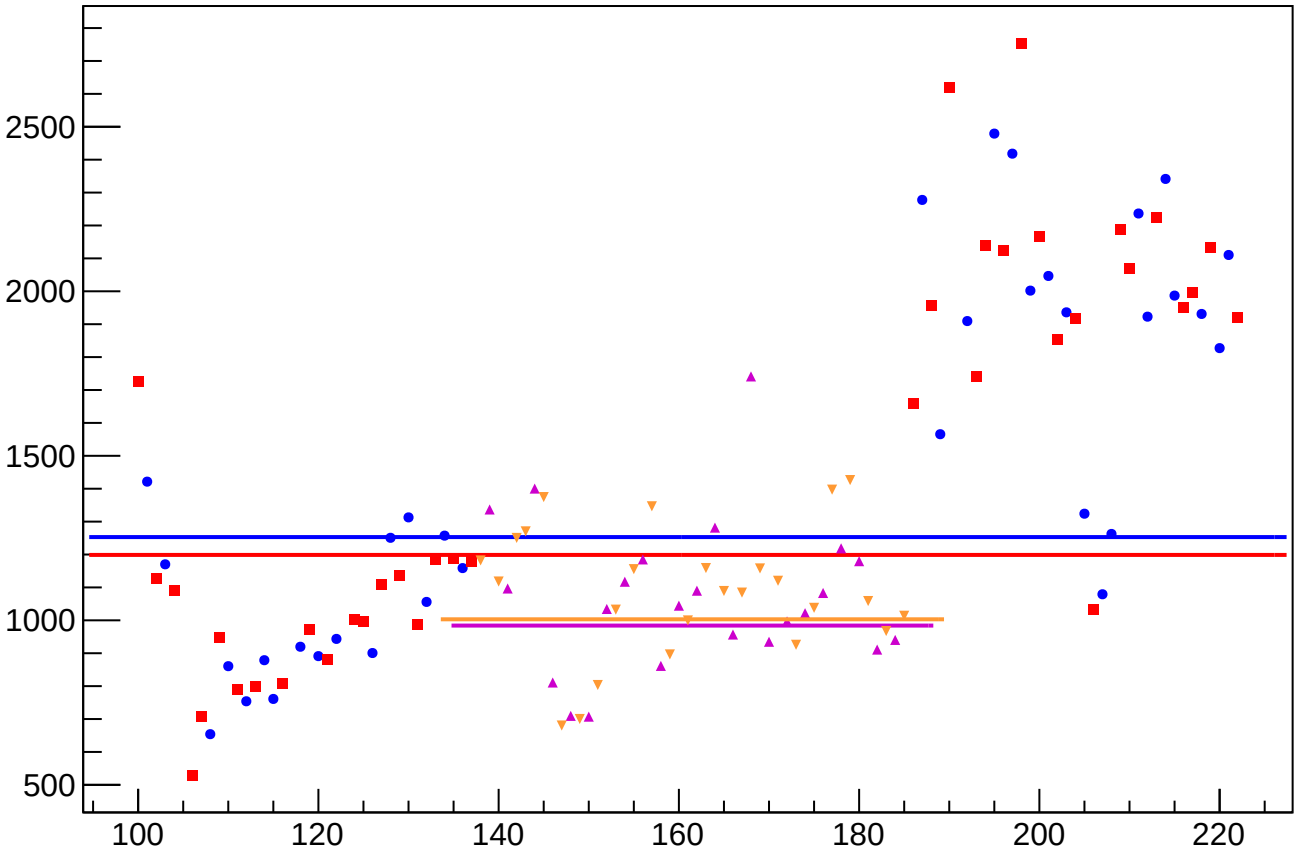
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 5.564+/-288.569 χ²/NDF: 41.4/33
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: -354.056+/-279.454 χ²/NDF: 44.4/36
Left In: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -75.591+/-166.182 χ²/NDF: 41.8/47
Right: -180.016+/-200.749 χ²/NDF: 86.5/70
In: -24.444+/-182.562 χ²/NDF:54.2/56
Out: -208.595+/-179.547 χ²/NDF:73.9/61
All: -118.052+/-128.011 χ²/NDF: 128.5/118



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: 1198.775+/-0.198 χ^2/NDF: 7039300.6/36

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

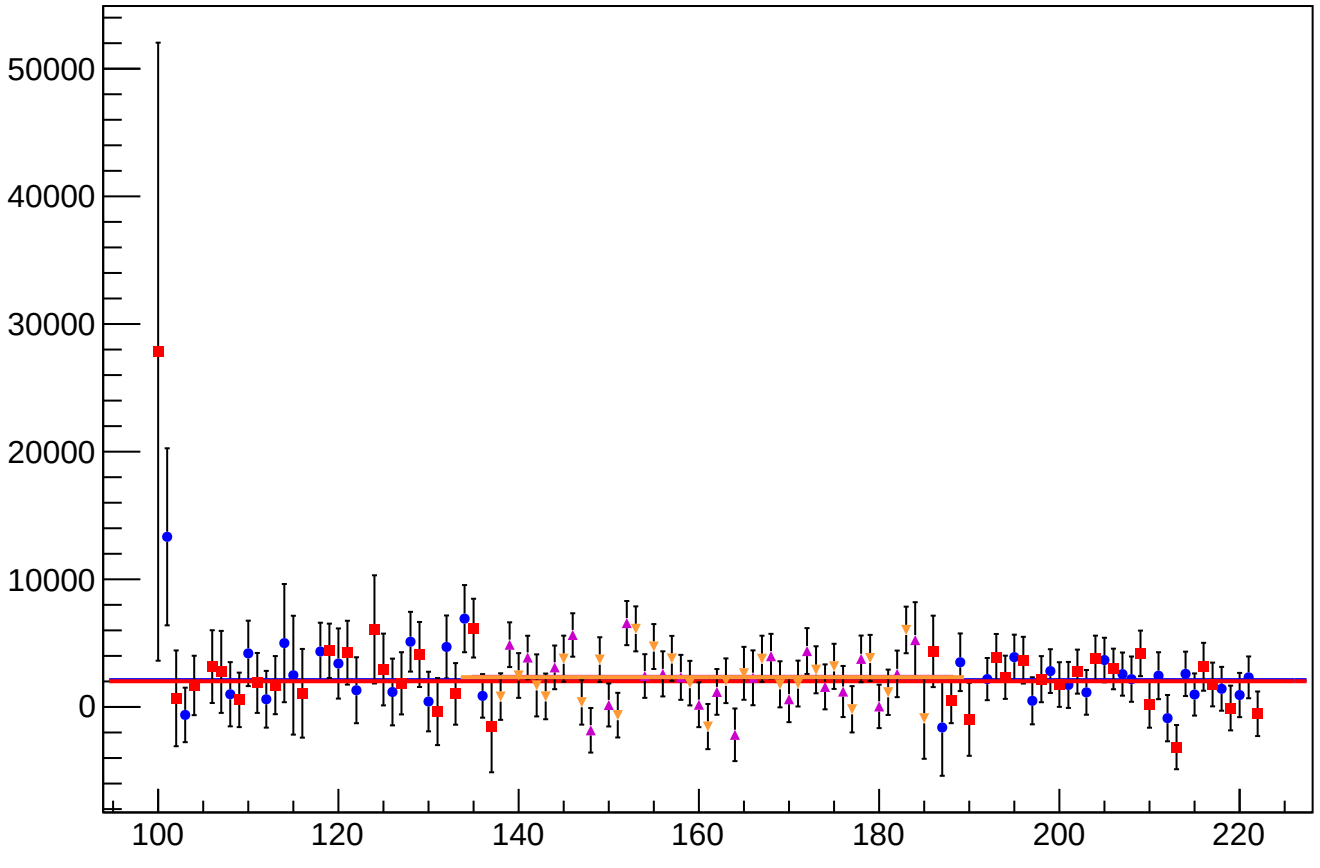
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1225.018+/-0.142 χ^2/NDF: 12798284.5/70

In: 1091.696+/-0.129 χ^2/NDF:8324042.0/56

Out: 1083.875+/-0.127 χ^2/NDF:9213508.9/61

All: 1087.720+/-0.091 χ^2/NDF: 17539417.2/1



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: 2014.429+/-352.191 χ^2/NDF: 32.5/36

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

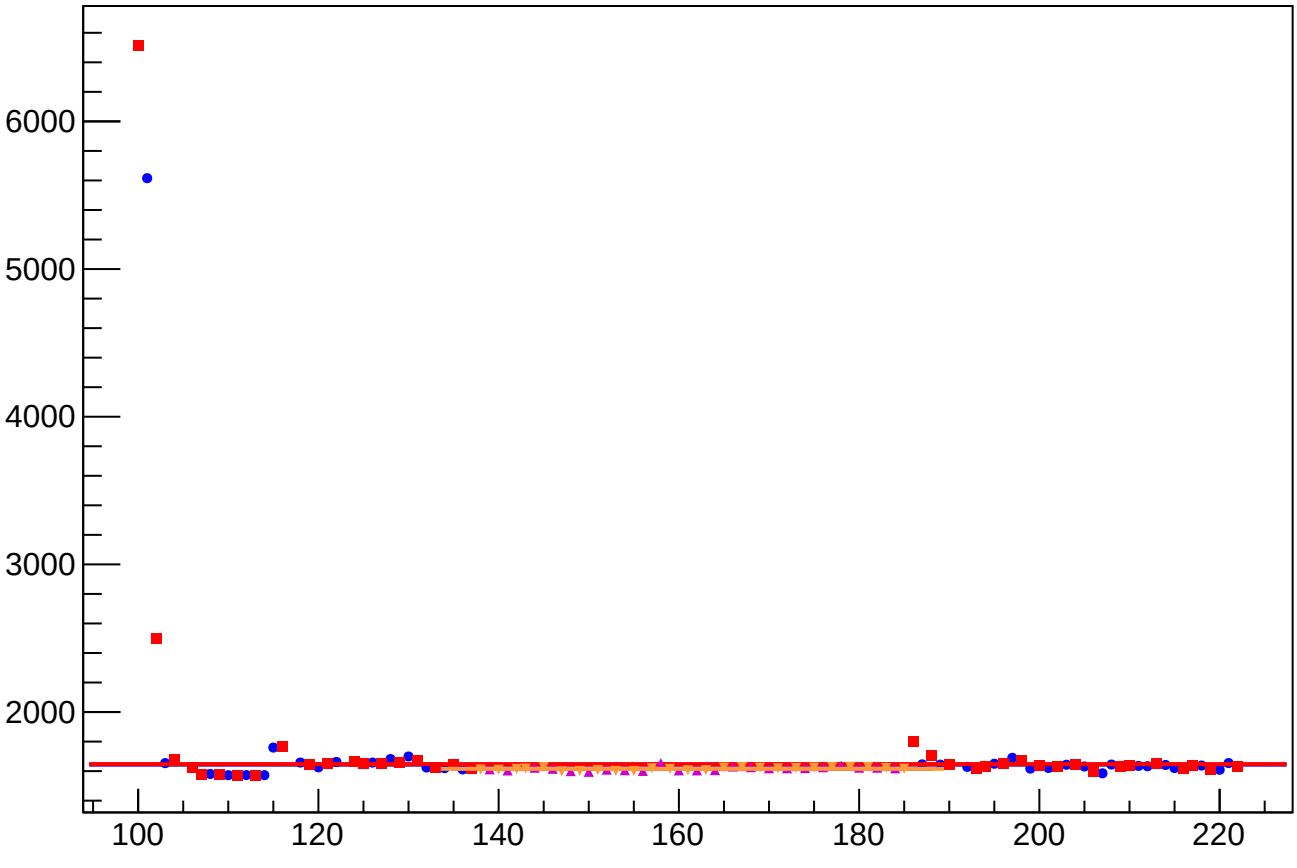
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2058.669+/-249.123 χ^2/NDF: 55.5/70

In: 2222.838+/-257.583 χ^2/NDF:57.3/56

Out: 2168.043+/-254.108 χ^2/NDF:61.1/61

All: 2195.068+/-180.897 χ^2/NDF: 118.4/118



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: 1647.317+/-0.249 χ^2/NDF: 207359.1/36

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

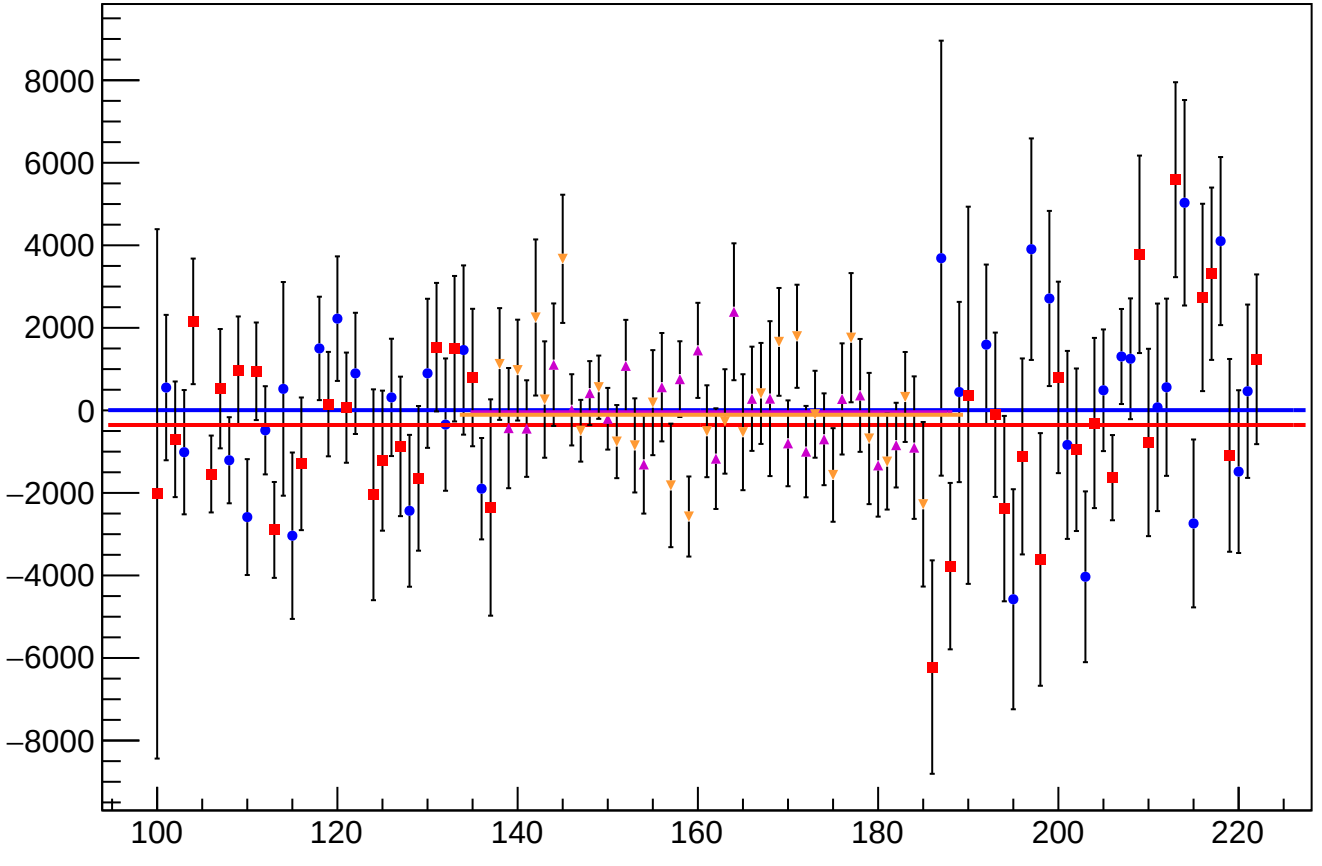
Right: 1645.648+/-0.176 χ^2/NDF: 879058.4/70

In: 1631.112+/-0.182 χ^2/NDF:679887.4/56

Out: 1632.127+/-0.180 χ^2/NDF:216566.6/61

All: 1631.626+/-0.128 χ^2/NDF: 896469.7/118

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 5.563+/-288.569 χ^2/NDF: 41.4/33

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -354.055+/-279.453 χ^2/NDF: 44.4/36

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

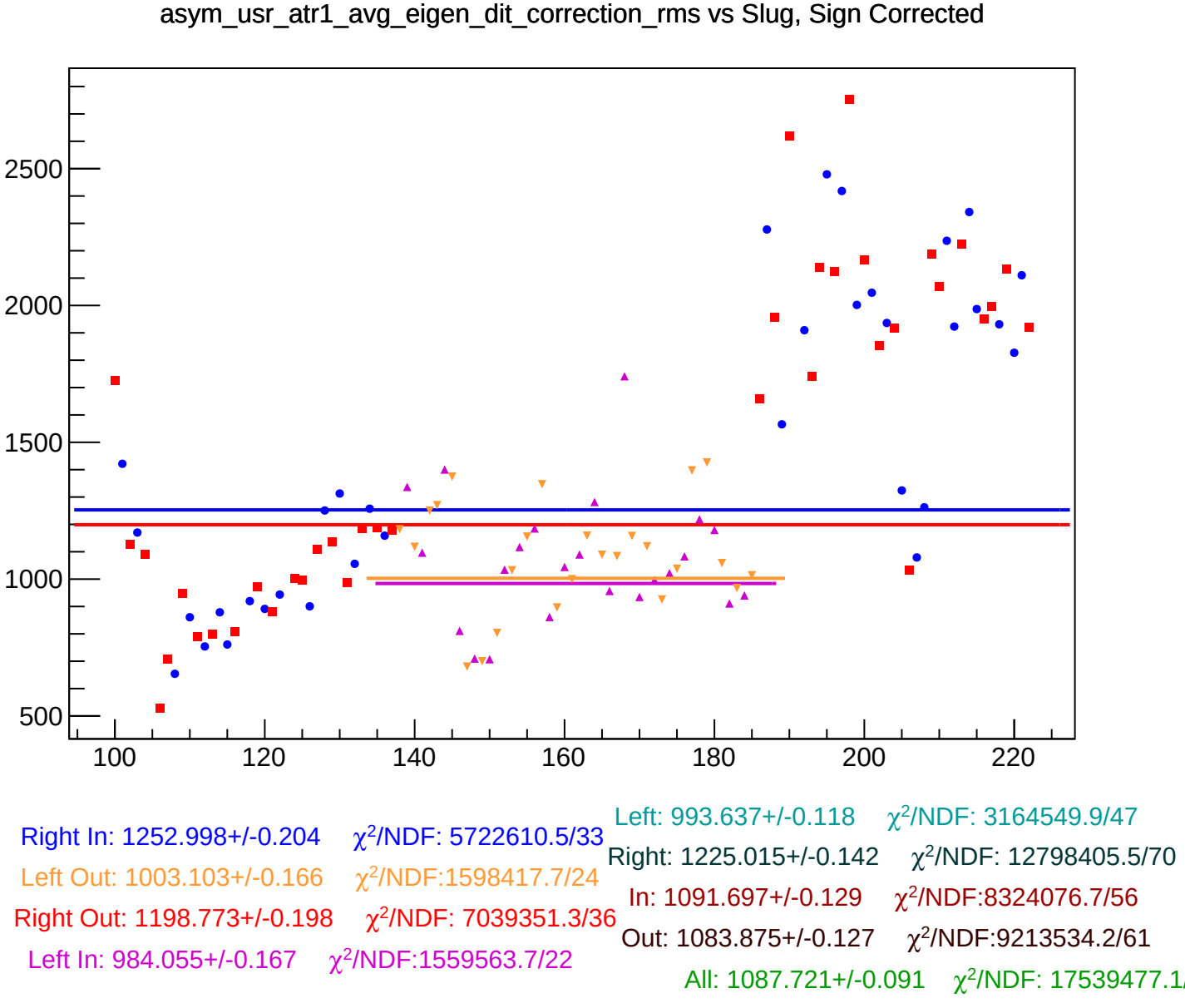
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -180.016+/-200.749 χ^2/NDF: 86.5/70

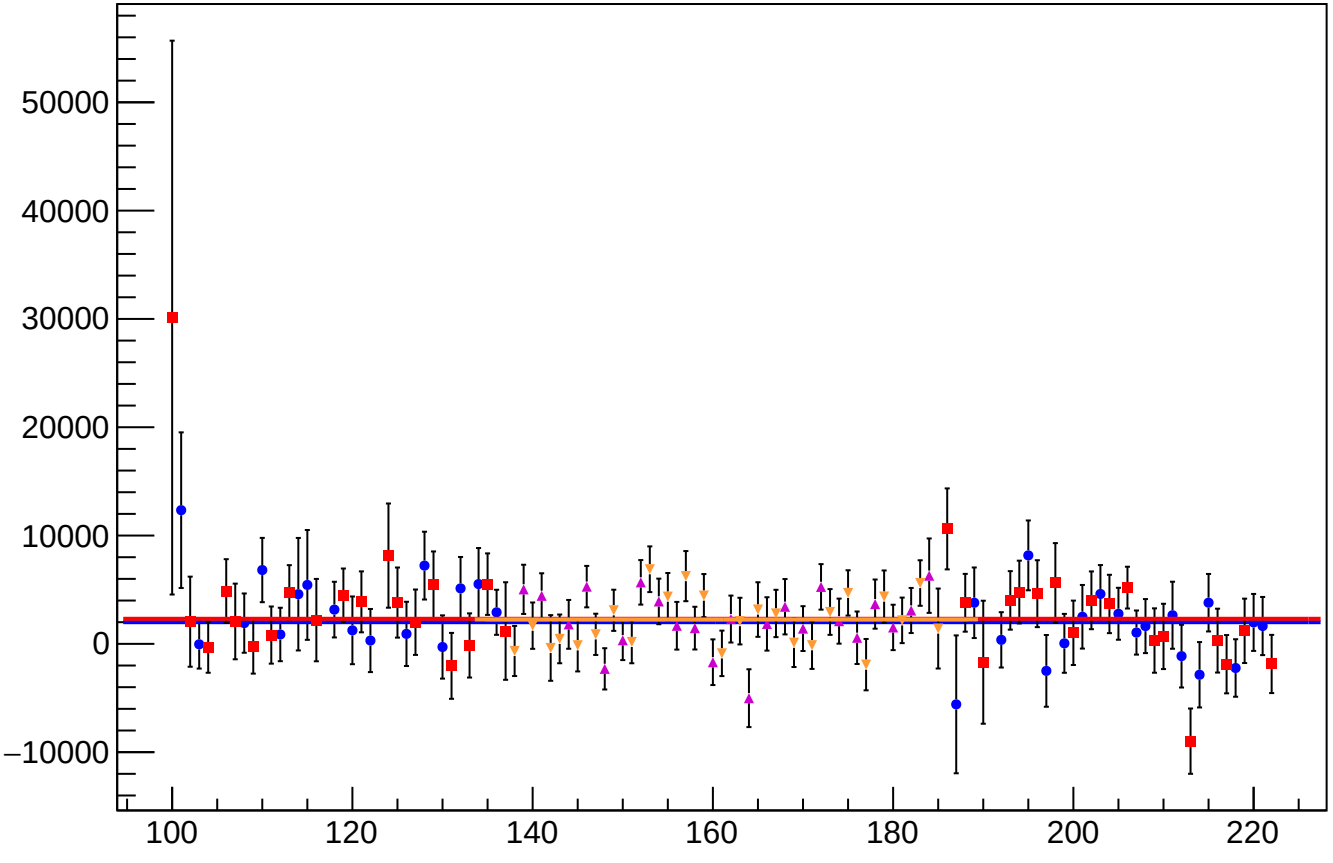
In: -24.444+/-182.562 χ^2/NDF:54.2/56

Out: -208.596+/-179.547 χ^2/NDF:73.9/61

All: -118.053+/-128.011 χ^2/NDF: 128.5/118


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1252.998+/-0.204 χ²/NDF: 5722610.5/33
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1198.773+/-0.198 χ²/NDF: 7039351.3/36
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1225.015+/-0.142 χ²/NDF: 12798405.5/70
In: 1091.697+/-0.129 χ²/NDF:8324076.7/56
Out: 1083.875+/-0.127 χ²/NDF:9213534.2/61
All: 1087.721+/-0.091 χ²/NDF: 17539477.1/1

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: 2315.281+/-489.134 χ^2/NDF: 44.9/36

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

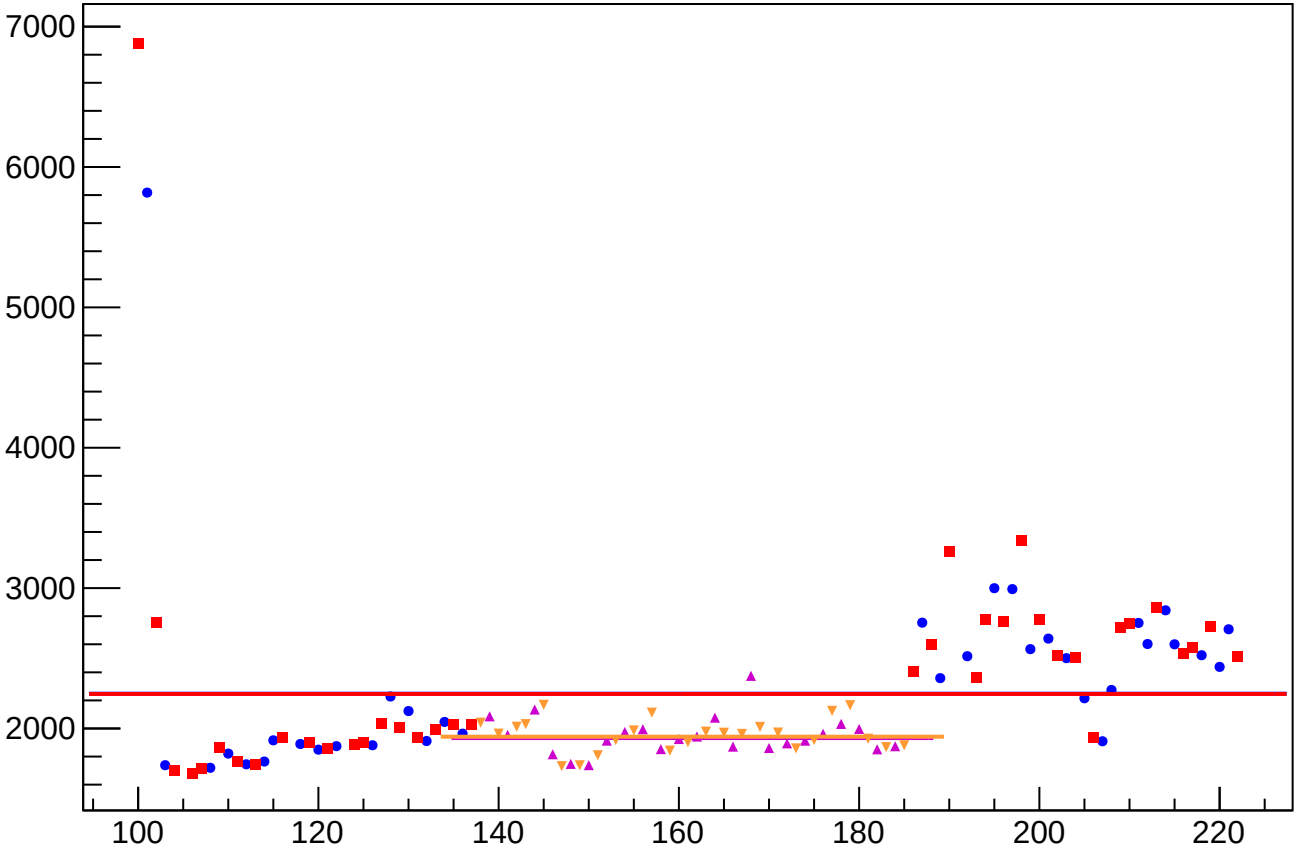
Right: 2157.996+/-345.910 χ^2/NDF: 74.4/70

In: 2118.594+/-332.114 χ^2/NDF:61.0/56

Out: 2280.670+/-328.029 χ^2/NDF:73.2/61

All: 2200.635+/-233.382 χ^2/NDF: 134.3/118

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: 2245.946+/-0.346 χ^2/NDF: 1587347.6/36

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

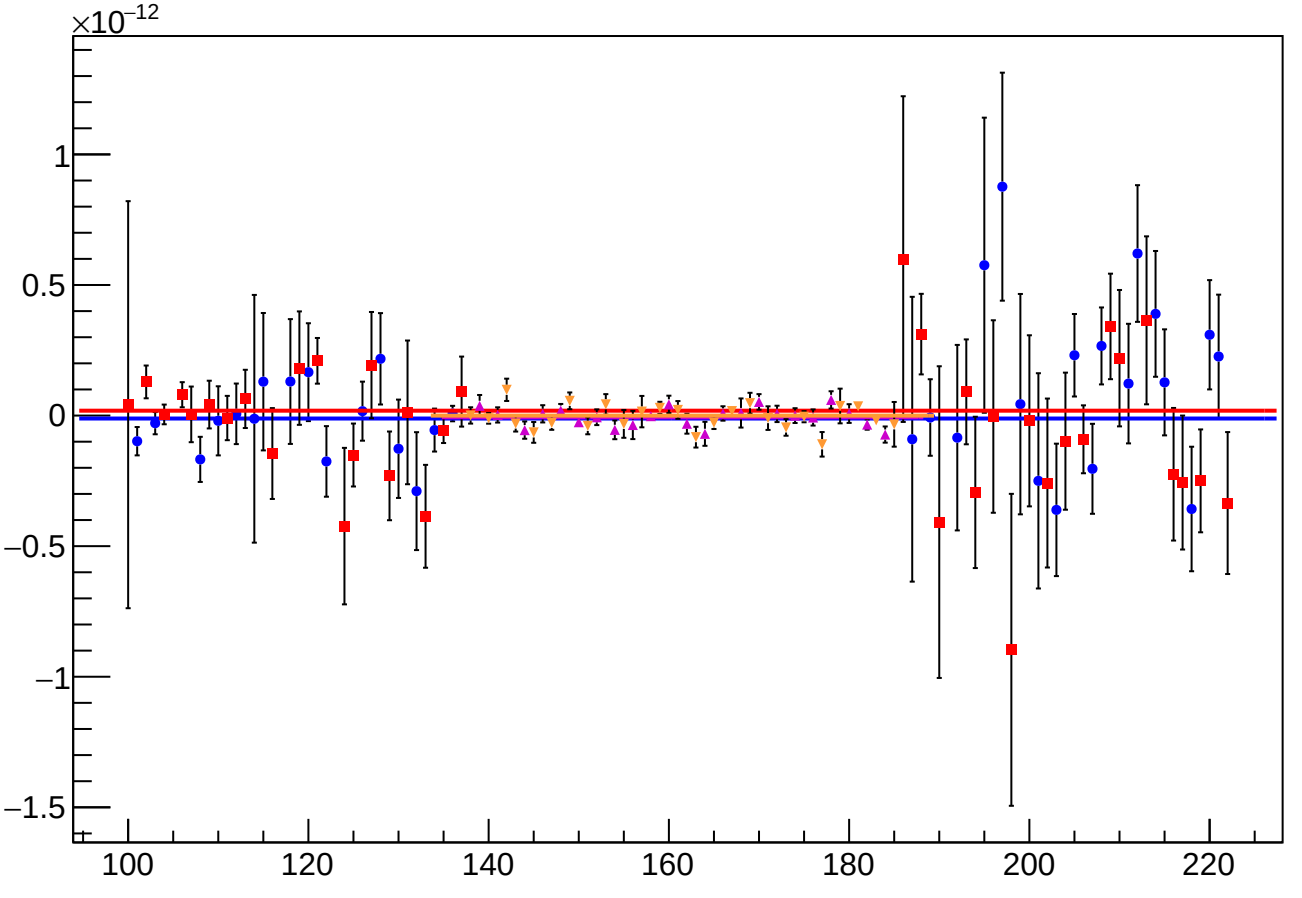
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2246.796+/-0.245 χ^2/NDF: 3289001.9/70

In: 2077.350+/-0.235 χ^2/NDF:2310921.8/56

Out: 2078.470+/-0.232 χ^2/NDF:2152467.8/61

All: 2077.916+/-0.165 χ^2/NDF: 4463401.1/11



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: 45.7/36

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

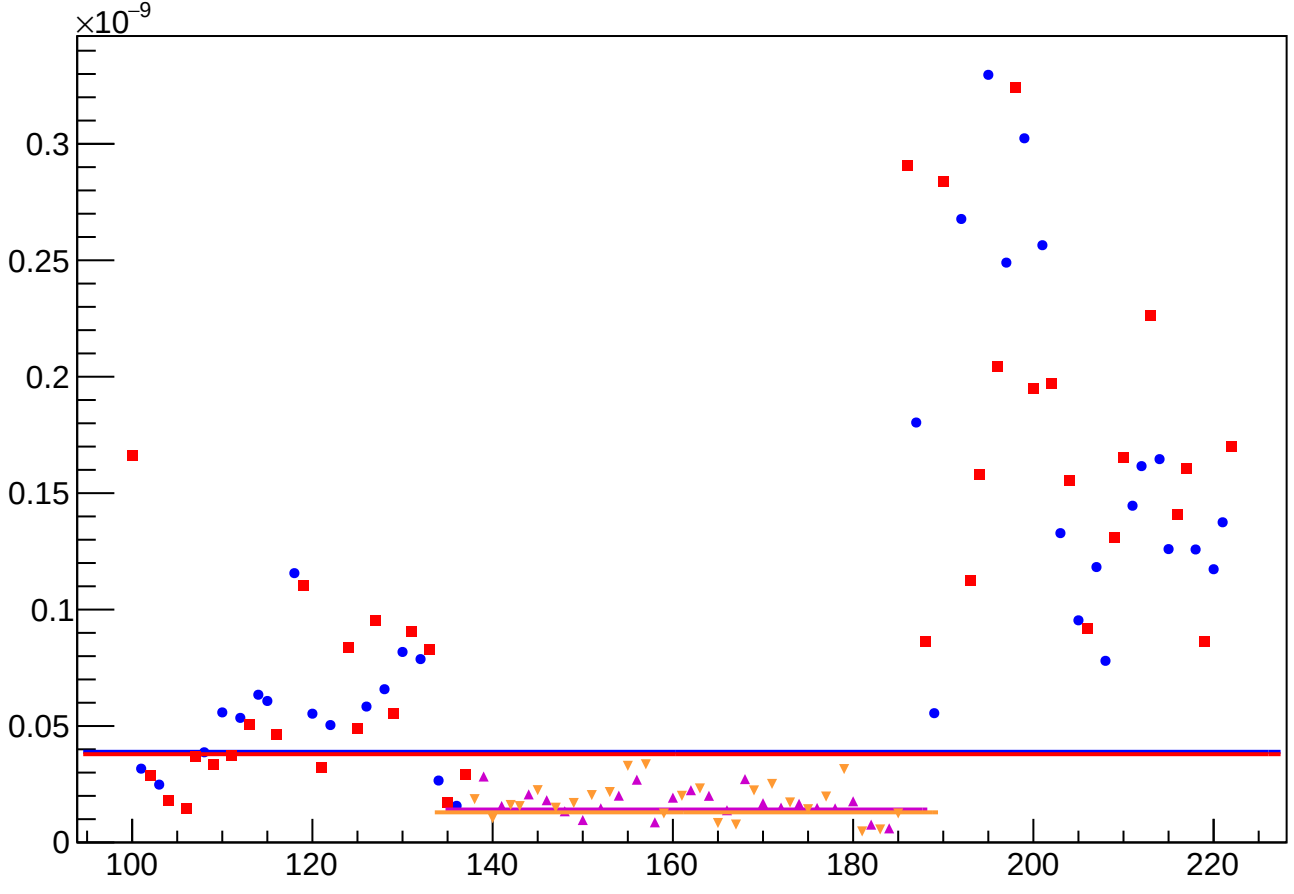
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 90.0/70

In: -0.000+/-0.000 χ^2/NDF:70.6/56

Out: 0.000+/-0.000 χ^2/NDF:86.9/61

All: -0.000+/-0.000 χ^2/NDF: 158.7/118



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: 9194152.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

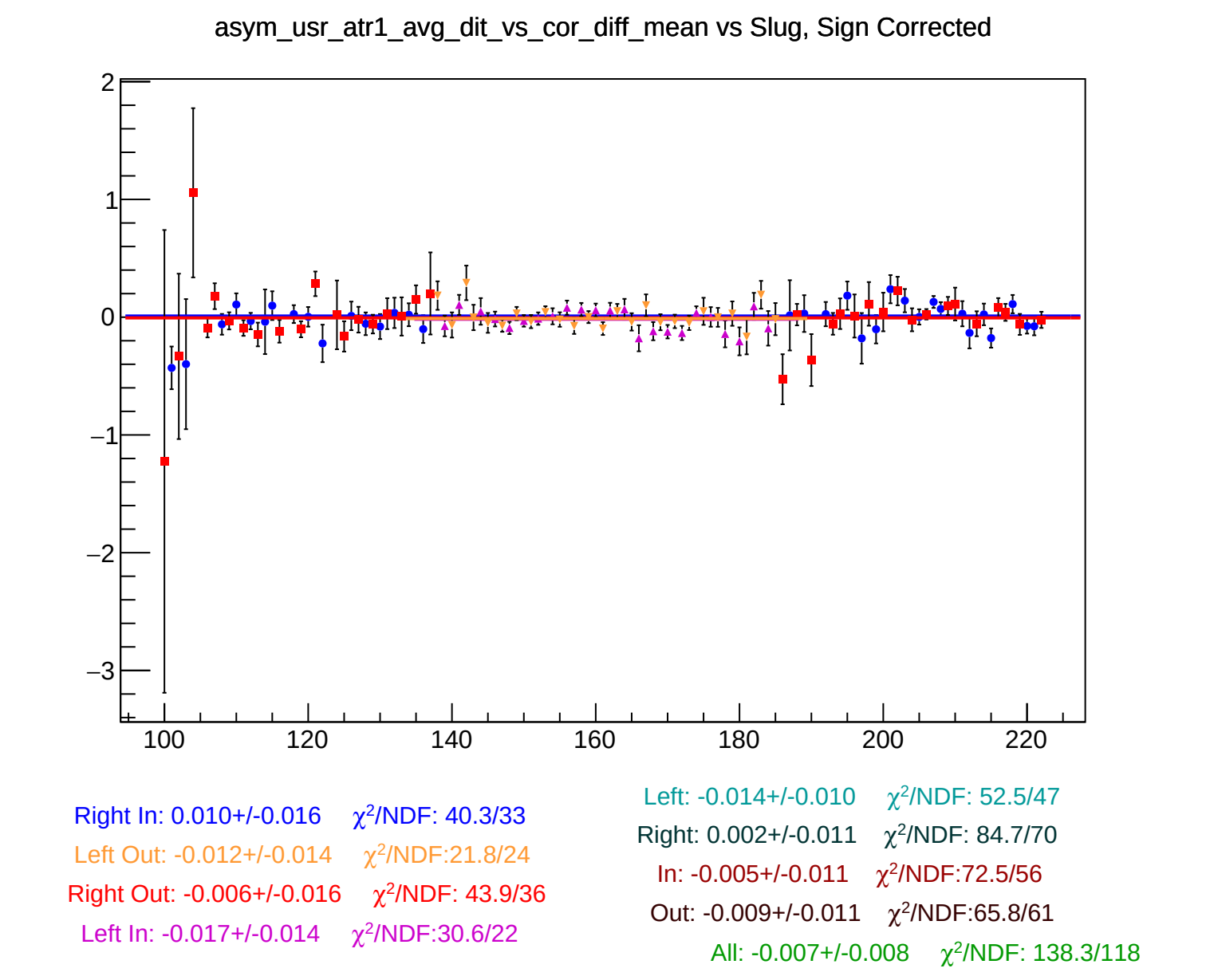
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

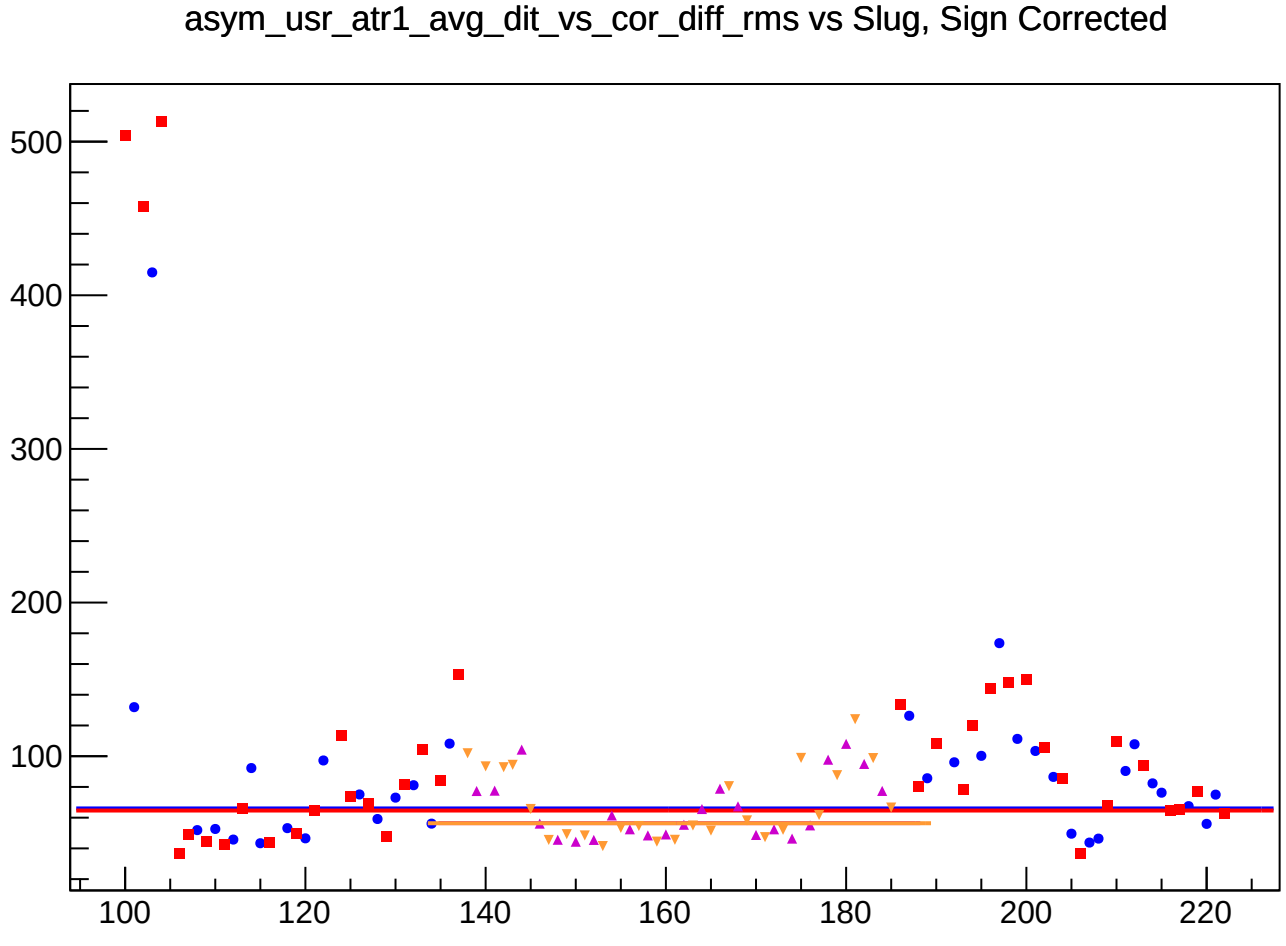
Right: 0.000+/-0.000 χ^2/NDF: 18400622.6/70

In: 0.000+/-0.000 χ^2/NDF:14109173.3/56

Out: 0.000+/-0.000 χ^2/NDF:15402432.8/61

All: 0.000+/-0.000 χ^2/NDF: 29590481.3/118


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.006+/-0.016 χ²/NDF: 43.9/36
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.011 χ²/NDF: 84.7/70
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.009+/-0.011 χ²/NDF:65.8/61
All: -0.007+/-0.008 χ²/NDF: 138.3/118



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: 64.649+/-0.012 χ^2/NDF: 6446682.1/36

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

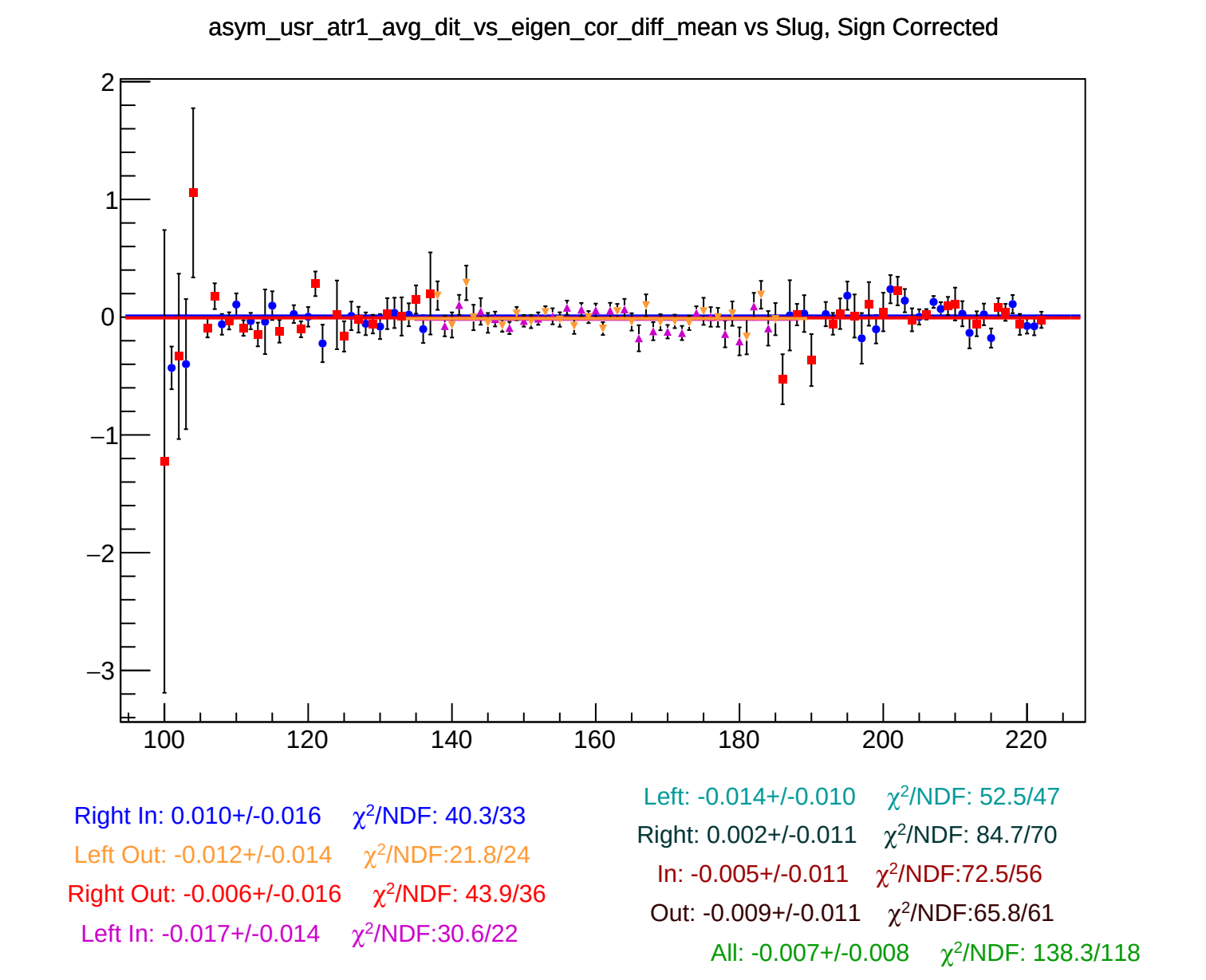
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.328+/-0.008 χ^2/NDF: 11169118.0/70

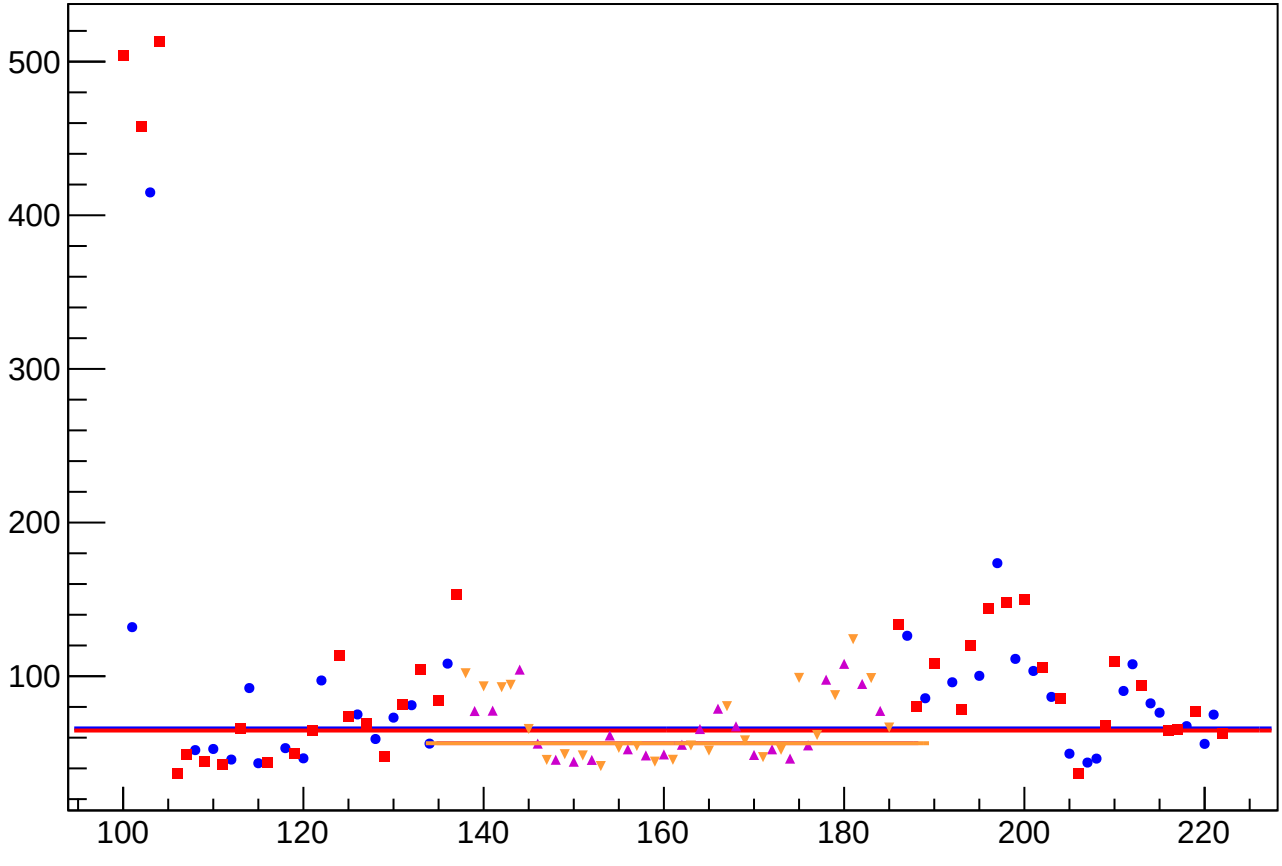
In: 60.701+/-0.008 χ^2/NDF:7240268.6/56

Out: 59.974+/-0.008 χ^2/NDF:9534744.8/61

All: 60.336+/-0.005 χ^2/NDF: 16779560.2/118


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.006+/-0.016 χ²/NDF: 43.9/36
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.011 χ²/NDF: 84.7/70
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.009+/-0.011 χ²/NDF:65.8/61
All: -0.007+/-0.008 χ²/NDF: 138.3/118

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 64.649+/-0.012 χ^2/NDF: 6446682.1/36

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

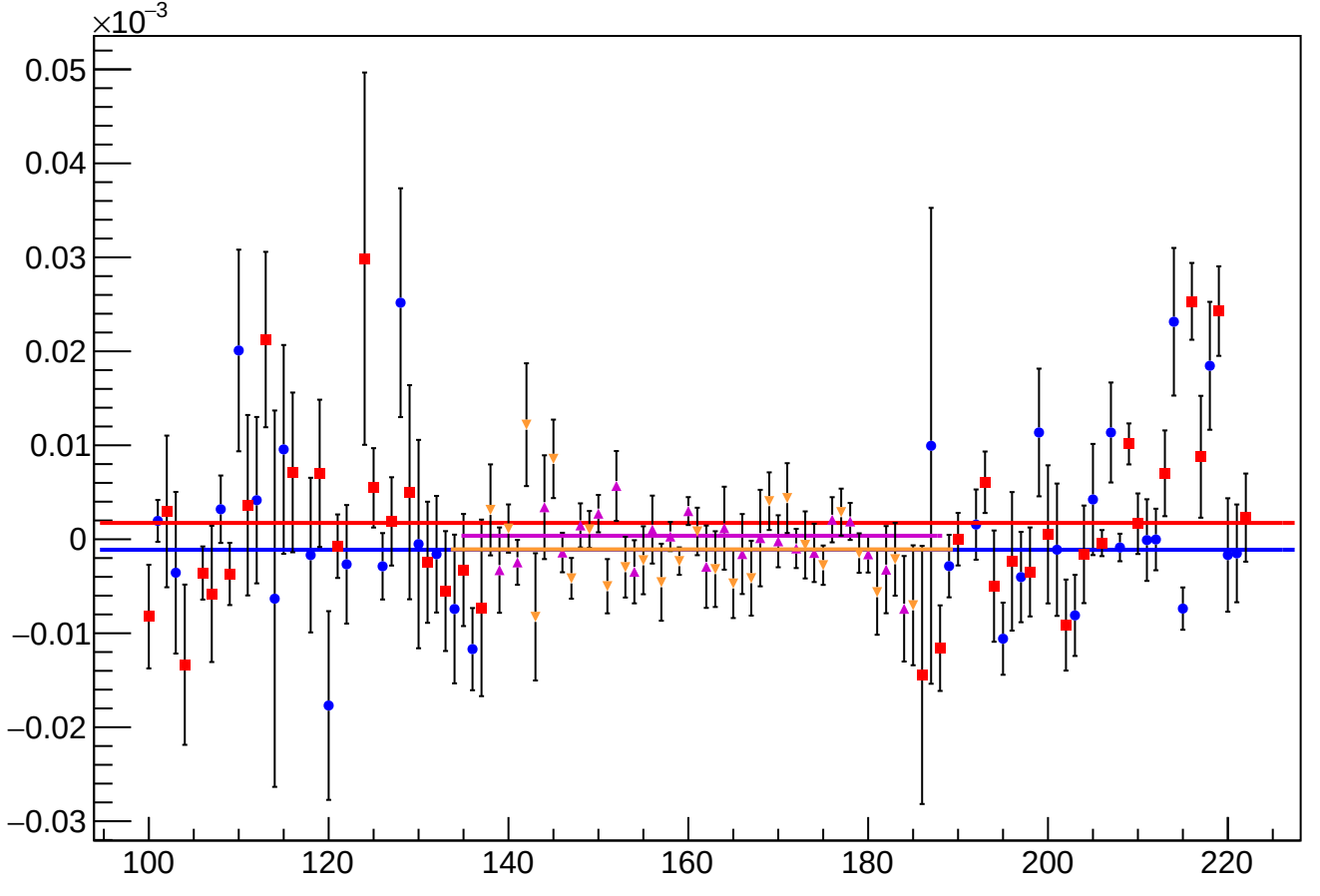
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.328+/-0.008 χ^2/NDF: 11169118.0/70

In: 60.701+/-0.008 χ^2/NDF:7240268.6/56

Out: 59.974+/-0.008 χ^2/NDF:9534744.8/61

All: 60.336+/-0.005 χ^2/NDF: 16779560.2/118



Right In: -0.000+/-0.000 χ^2/NDF: 68.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 121.6/36

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

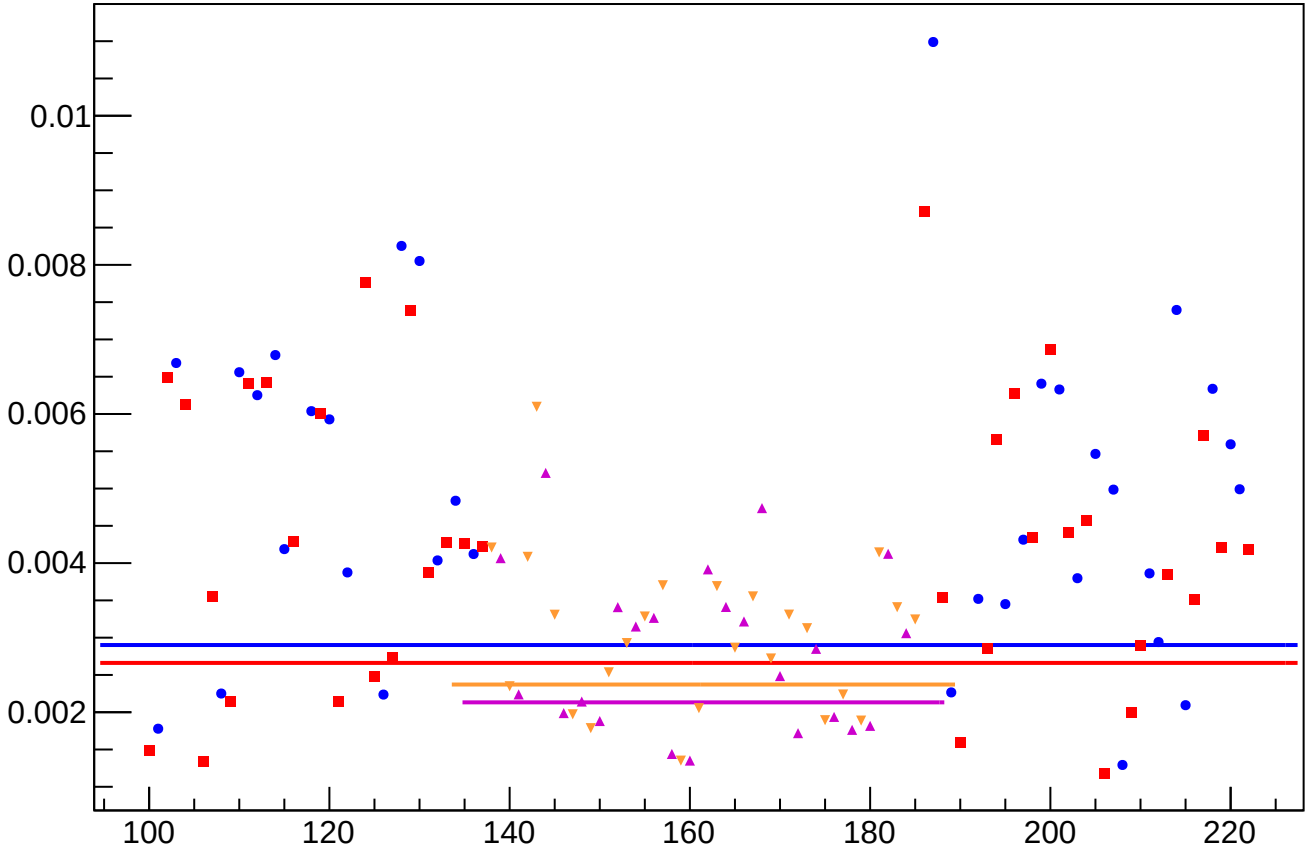
Right: 0.000+/-0.000 χ^2/NDF: 198.2/70

In: -0.000+/-0.000 χ^2/NDF:88.6/56

Out: 0.000+/-0.000 χ^2/NDF:163.0/61

All: -0.000+/-0.000 χ^2/NDF: 251.8/118

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 10150059.6/36

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

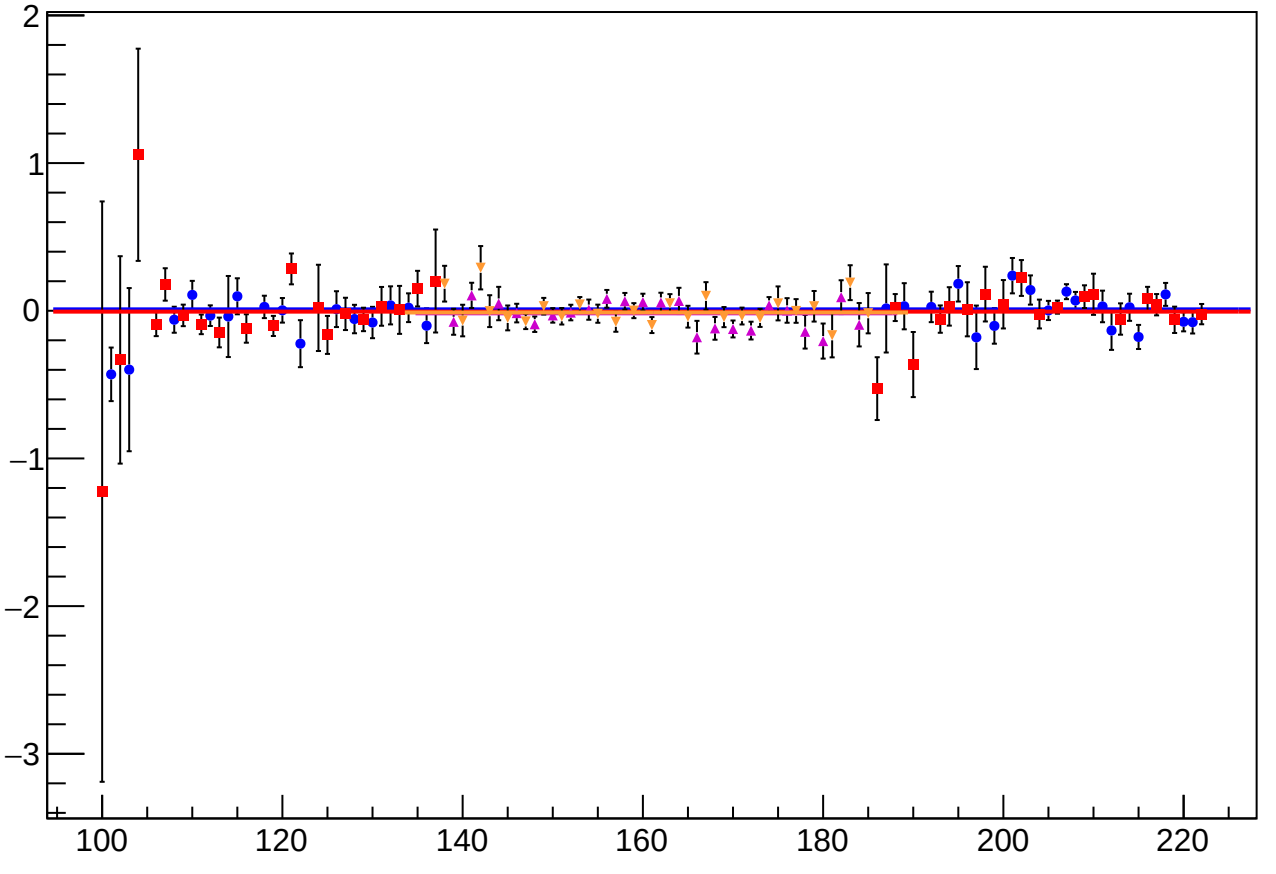
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 20574584.1/70

In: 0.002+/-0.000 χ^2/NDF:16285038.6/56

Out: 0.002+/-0.000 χ^2/NDF:14520242.8/61

All: 0.002+/-0.000 χ^2/NDF: 30845439.5/118



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: -0.006+/-0.016 χ^2/NDF: 43.9/36

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

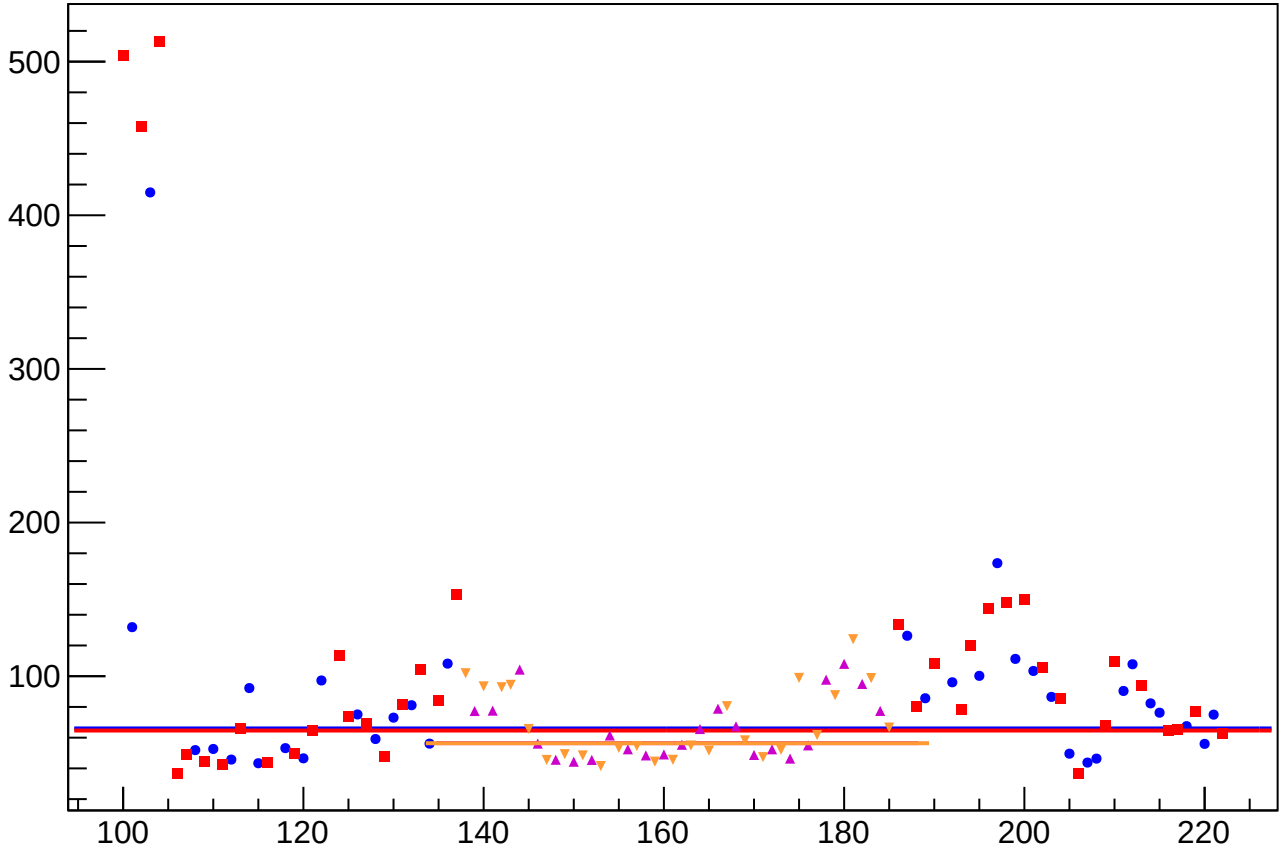
Right: 0.002+/-0.011 χ^2/NDF: 84.7/70

In: -0.005+/-0.011 χ^2/NDF:72.5/56

Out: -0.009+/-0.011 χ^2/NDF:65.8/61

All: -0.007+/-0.008 χ^2/NDF: 138.3/118

asym_usr_atr1_avg_eigen_dit_vs_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: 64.649+/-0.012 χ^2/NDF: 6446726.5/36

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

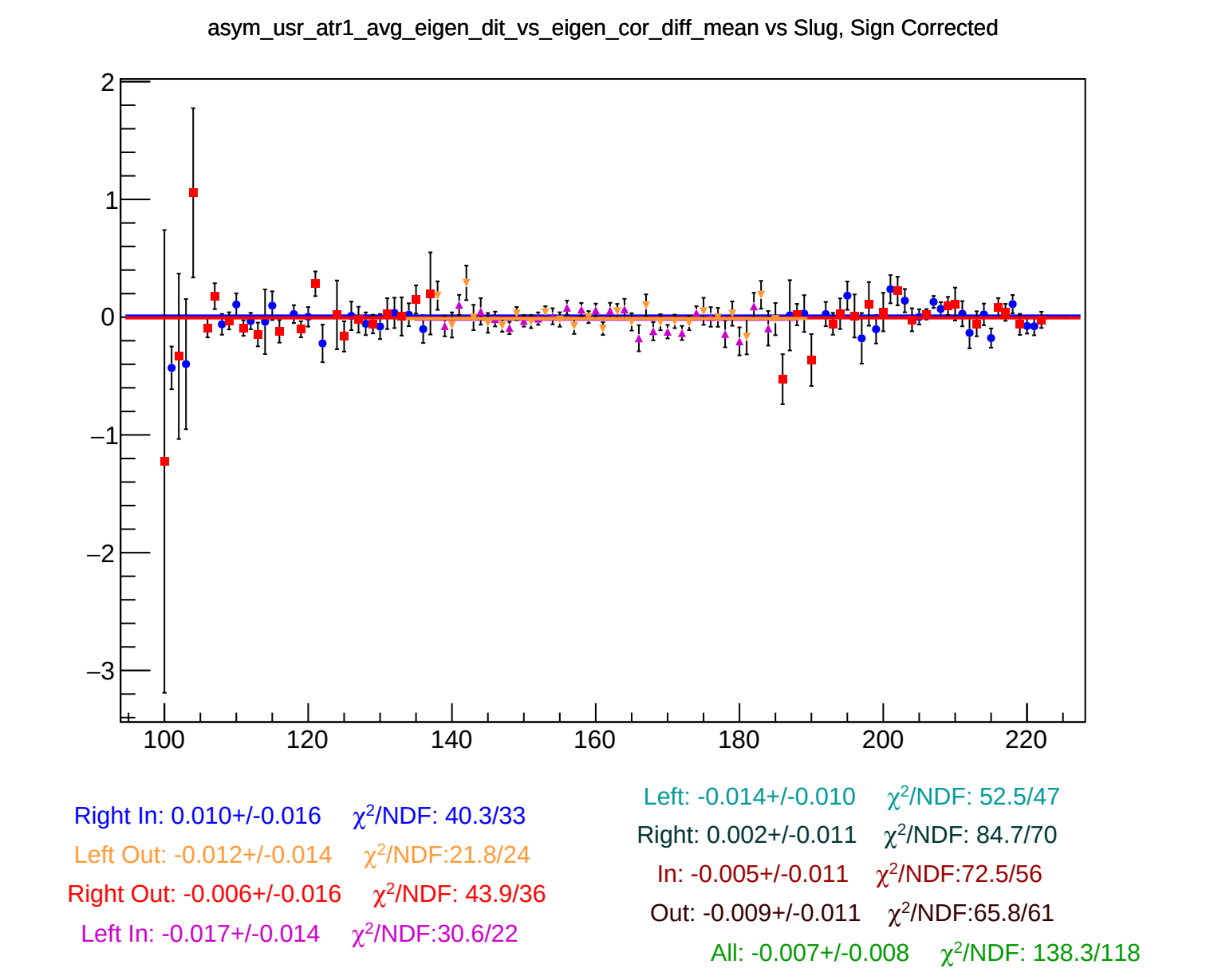
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.328+/-0.008 χ^2/NDF: 11169130.3/70

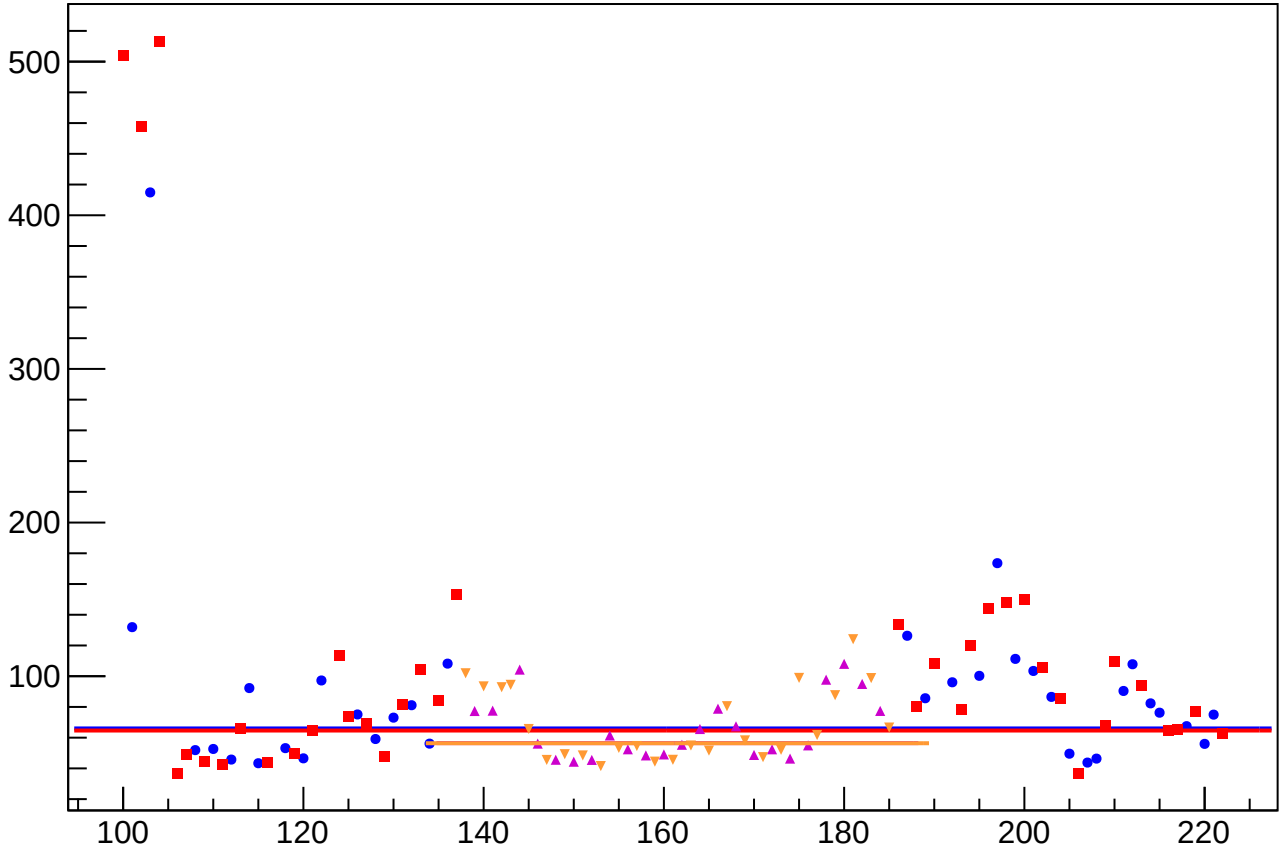
In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 59.974+/-0.008 χ^2/NDF:9534818.6/61

All: 60.336+/-0.005 χ^2/NDF: 16779548.8/118


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.006+/-0.016 χ²/NDF: 43.9/36
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.011 χ²/NDF: 84.7/70
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.009+/-0.011 χ²/NDF:65.8/61
All: -0.007+/-0.008 χ²/NDF: 138.3/118

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: 64.649+/-0.012 χ^2/NDF: 6446726.5/36

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

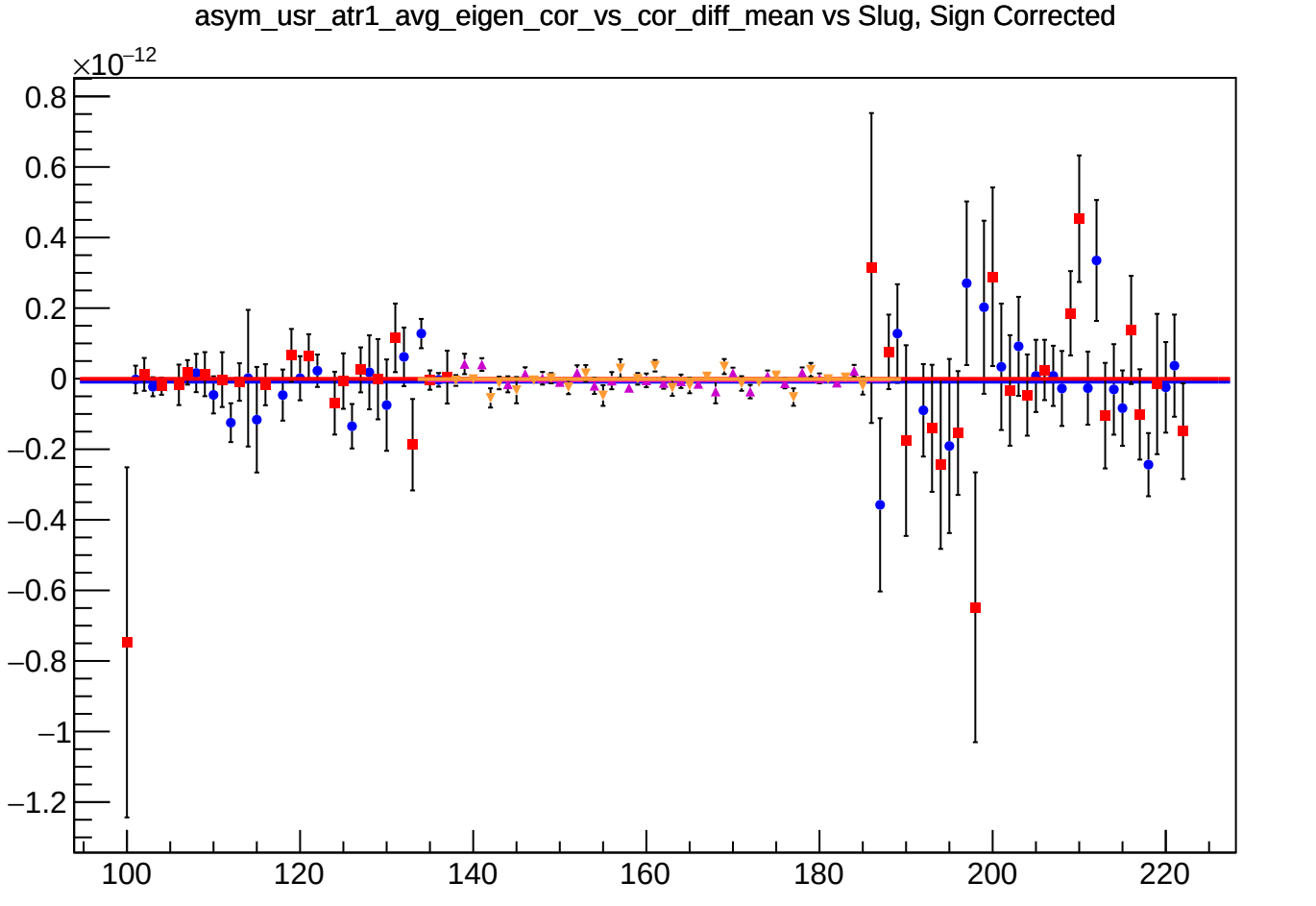
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

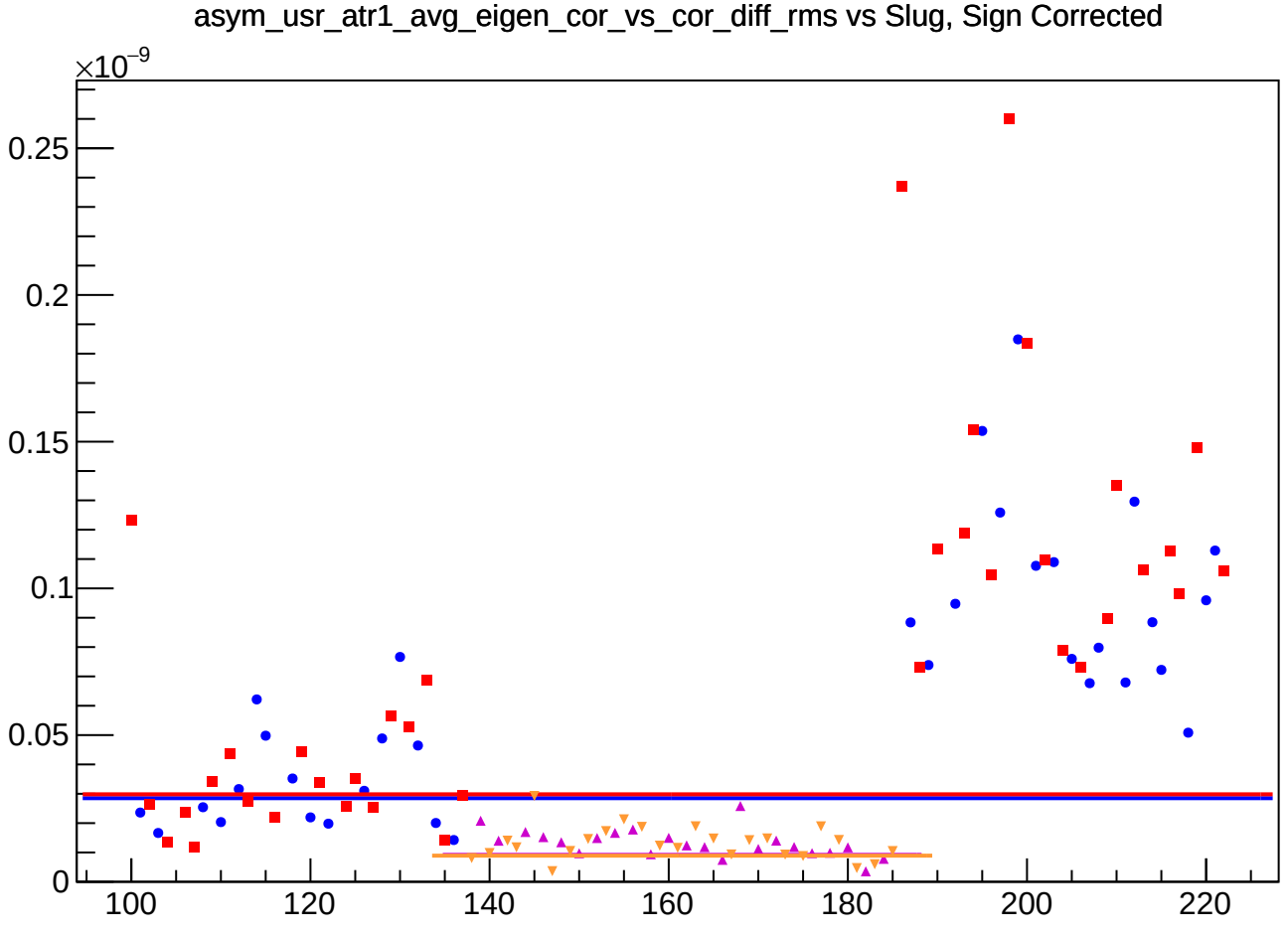
Right: 65.328+/-0.008 χ^2/NDF: 11169130.3/70

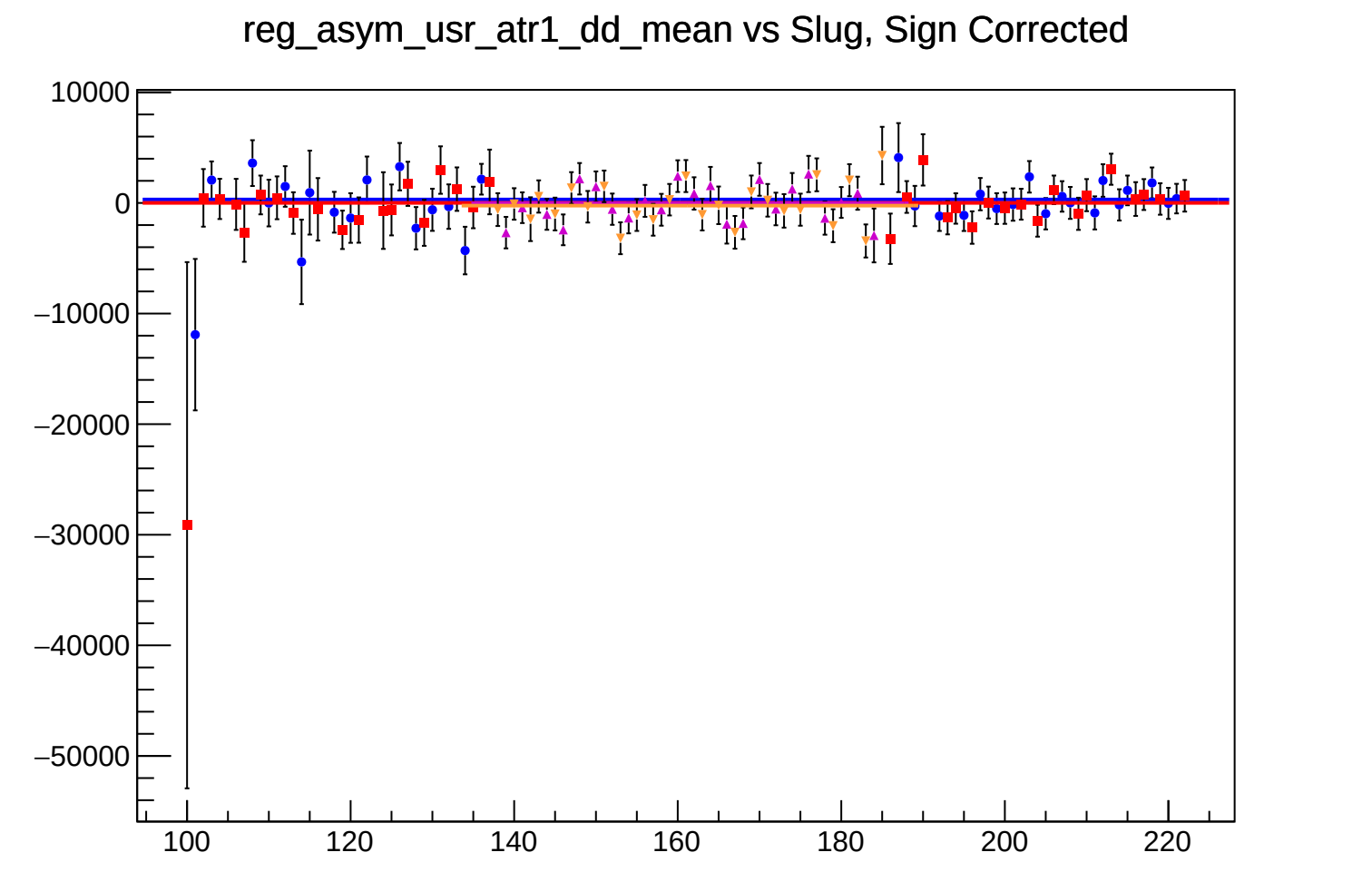
In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 59.974+/-0.008 χ^2/NDF:9534818.6/61

All: 60.336+/-0.005 χ^2/NDF: 16779548.8/118


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.0/33
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.0/36
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 71.2/70
In: -0.000+/-0.000 χ²/NDF:69.5/56
Out: -0.000+/-0.000 χ²/NDF:59.6/61
All: -0.000+/-0.000 χ²/NDF: 130.0/118


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 10307751.2/33
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 12226176.8/36
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
Left: 0.000+/-0.000 χ²/NDF: 10139912.3/47
Right: 0.000+/-0.000 χ²/NDF: 22548609.9/70
In: 0.000+/-0.000 χ²/NDF:21560618.1/56
Out: 0.000+/-0.000 χ²/NDF:23718693.8/61
All: 0.000+/-0.000 χ²/NDF: 45298854.9/118



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: 5.853+/-285.925 χ^2/NDF: 26.4/36

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

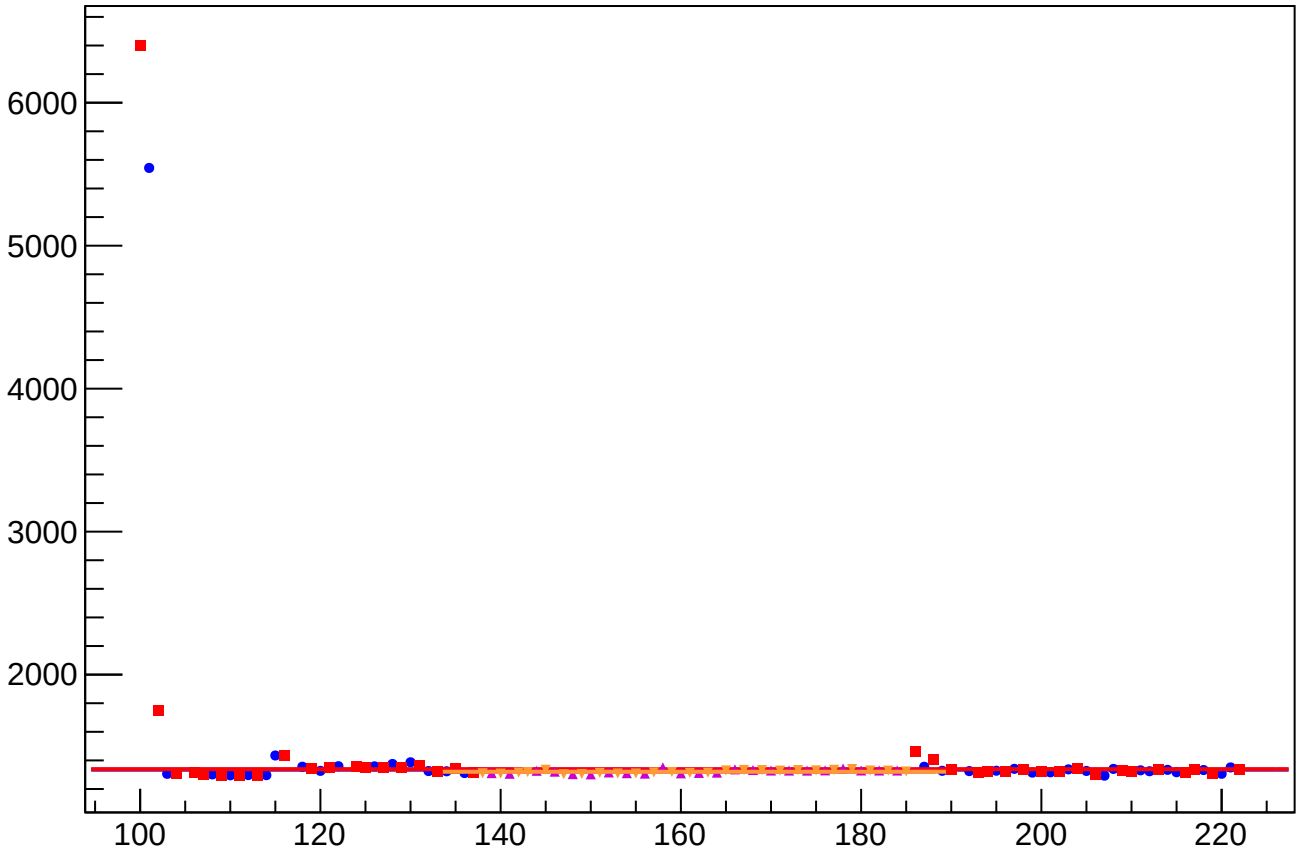
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 158.065+/-202.434 χ^2/NDF: 59.6/70

In: 148.872+/-210.029 χ^2/NDF:60.4/56

Out: -111.584+/-206.979 χ^2/NDF:58.5/61

All: 16.739+/-147.423 χ^2/NDF: 119.7/118



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: 1338.524+/-0.202 χ^2/NDF: 163458.9/36

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

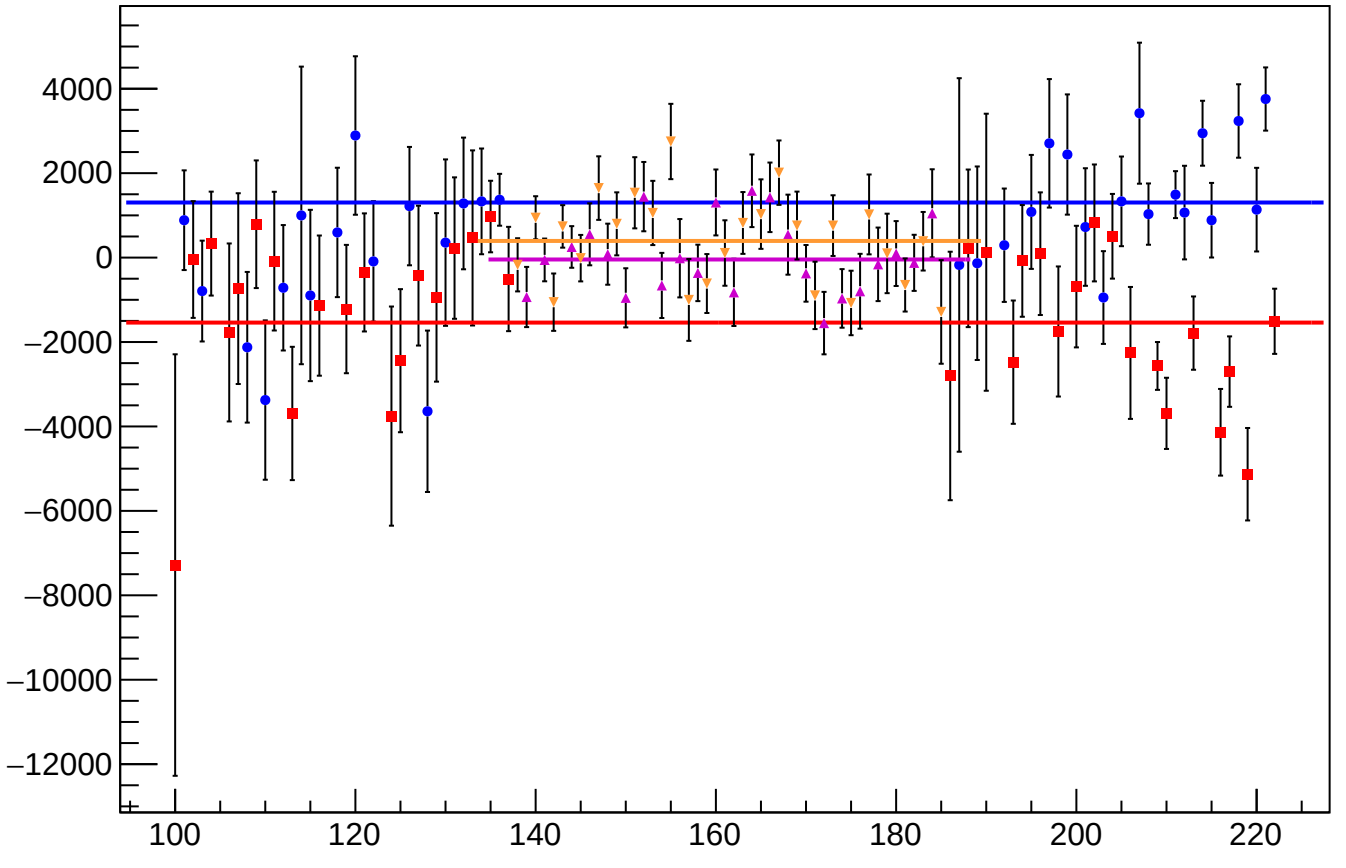
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.111+/-0.143 χ^2/NDF: 931778.9/70

In: 1329.249+/-0.149 χ^2/NDF:773956.1/56

Out: 1330.059+/-0.146 χ^2/NDF:169743.8/61

All: 1329.660+/-0.104 χ^2/NDF: 943715.0/118



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: -1539.557+/-206.322 χ^2/NDF: 64.7/36

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

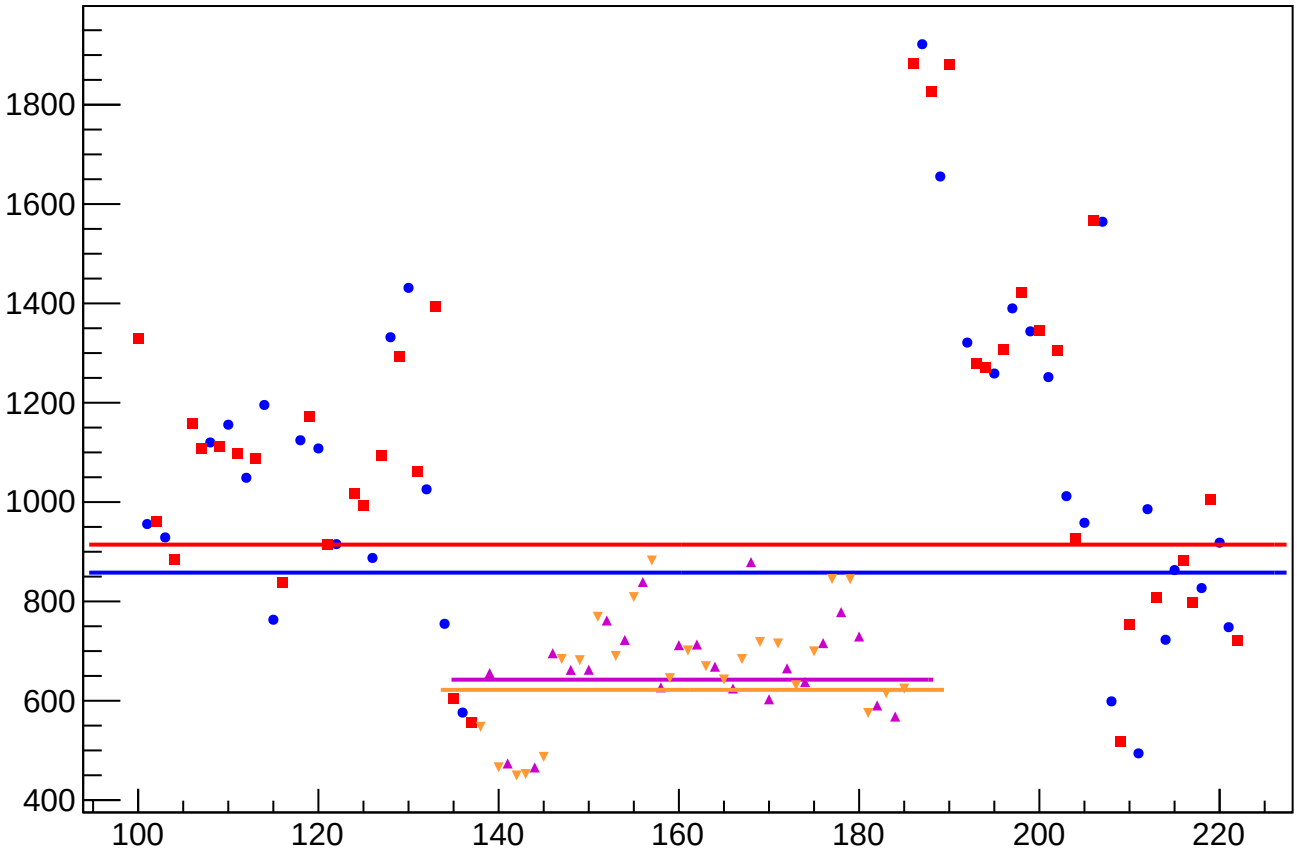
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -28.308+/-141.252 χ^2/NDF: 219.9/70

In: 470.691+/-119.760 χ^2/NDF:111.8/56

Out: -242.303+/-118.393 χ^2/NDF:165.5/61

All: 110.100+/-84.196 χ^2/NDF: 295.2/118



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: 914.354+/-0.146 χ^2/NDF: 4313934.2/36

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

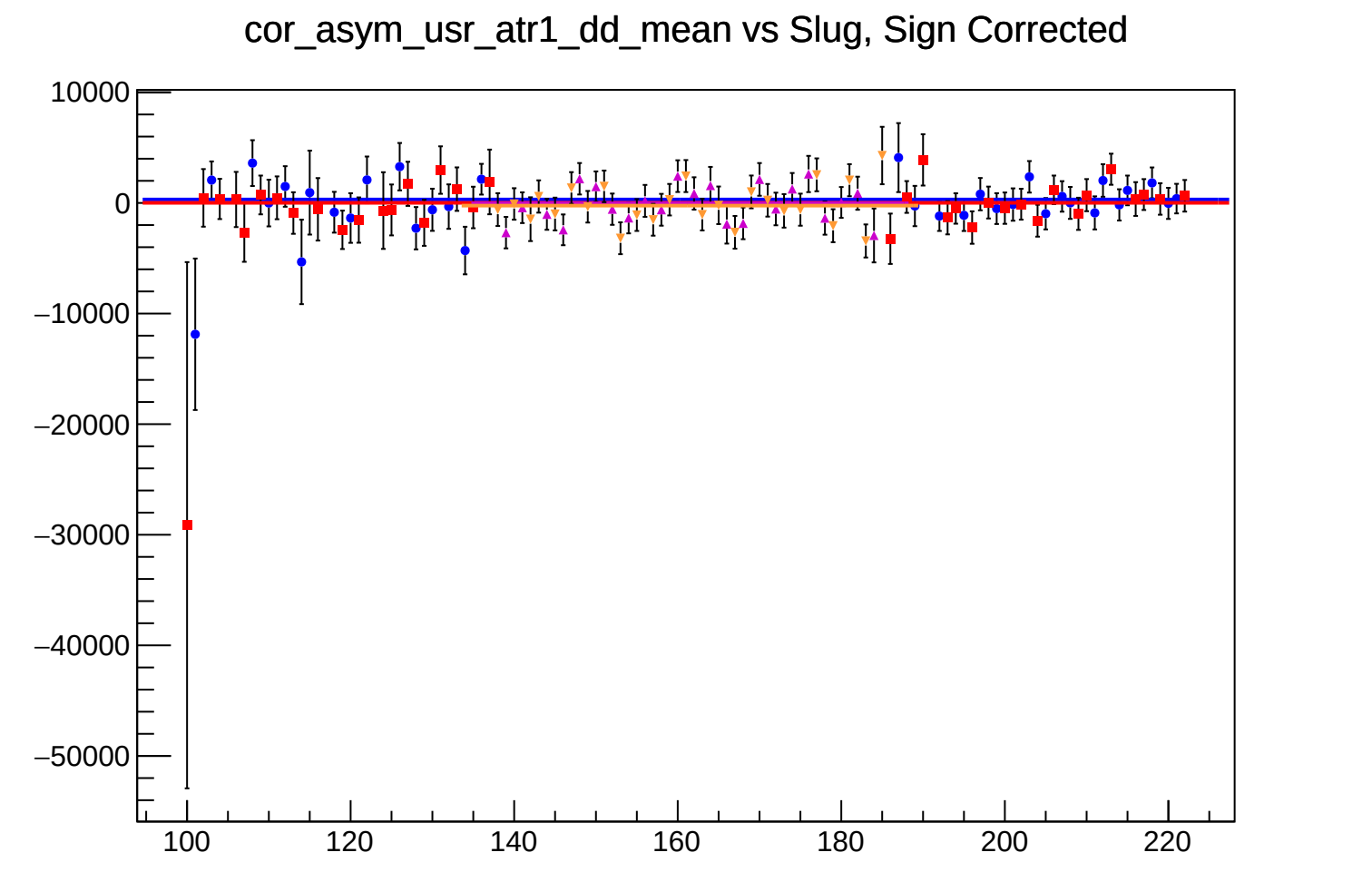
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 884.405+/-0.100 χ^2/NDF: 8488726.2/70

In: 724.781+/-0.085 χ^2/NDF:6550706.5/56

Out: 718.231+/-0.084 χ^2/NDF:8391714.4/61

All: 721.469+/-0.060 χ^2/NDF: 14945446.1/11



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 11.897+/-286.242 χ^2/NDF: 26.5/36

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

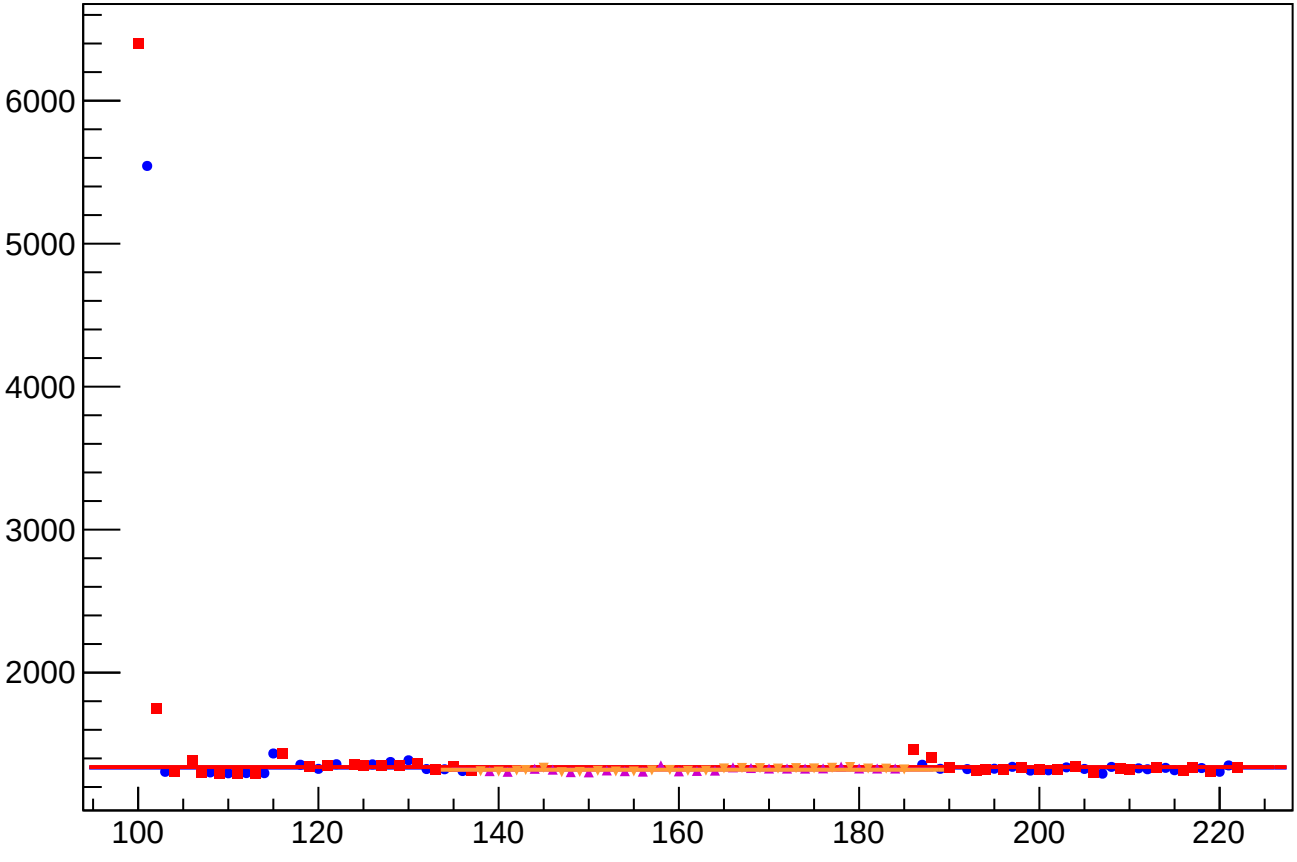
Right: 161.326+/-202.547 χ^2/NDF: 59.6/70

In: 148.910+/-210.029 χ^2/NDF:60.4/56

Out: -108.557+/-207.099 χ^2/NDF:58.6/61

All: 18.368+/-147.466 χ^2/NDF: 119.7/118

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: 1339.509+/-0.202 χ^2/NDF: 164081.0/36

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

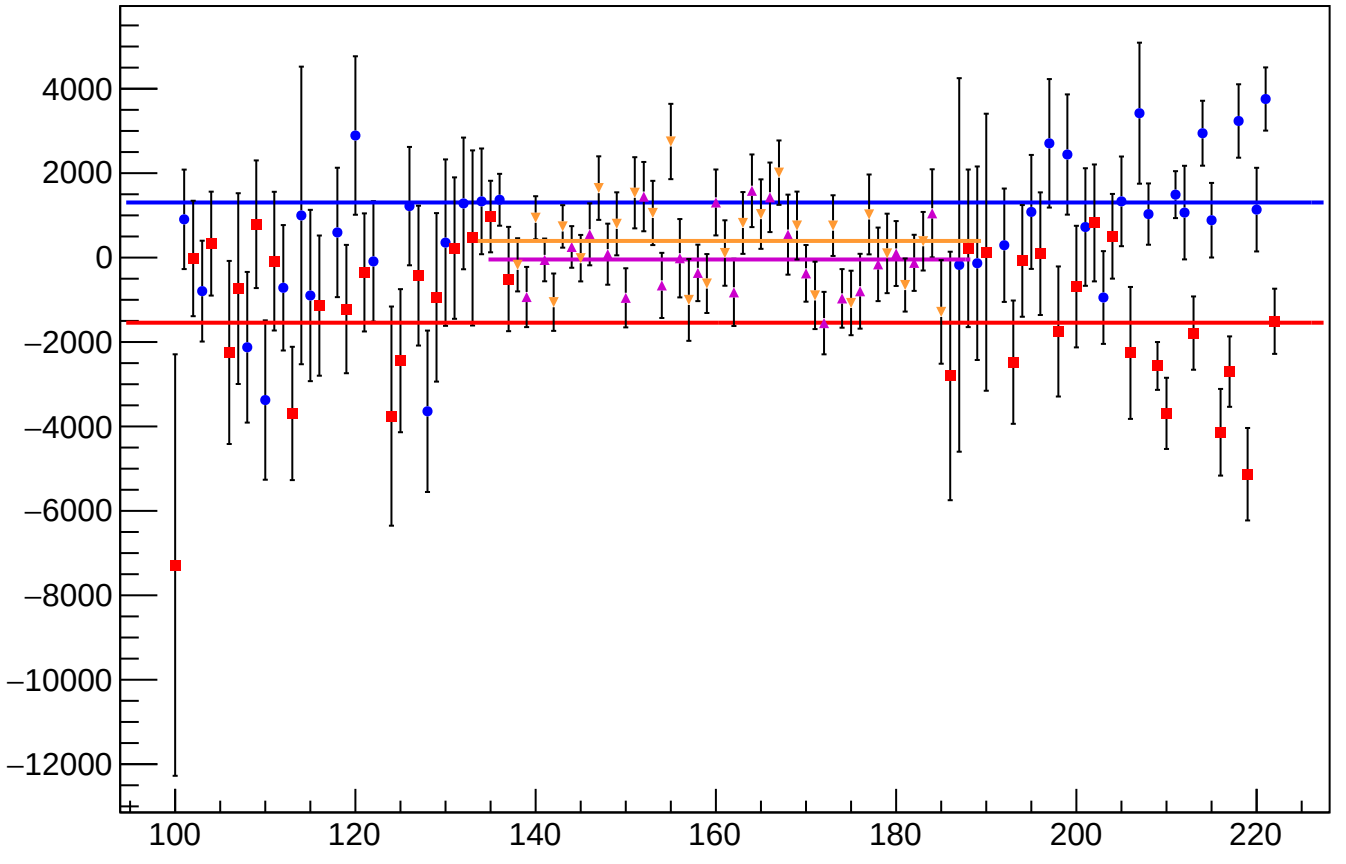
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.602+/-0.143 χ^2/NDF: 932479.8/70

In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1330.565+/-0.146 χ^2/NDF:170780.7/61

All: 1329.916+/-0.104 χ^2/NDF: 944775.6/118



Right In: 1305.420+/-193.776 χ^2/NDF: 54.2/33

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1542.425+/-206.323 χ^2/NDF: 64.9/36

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

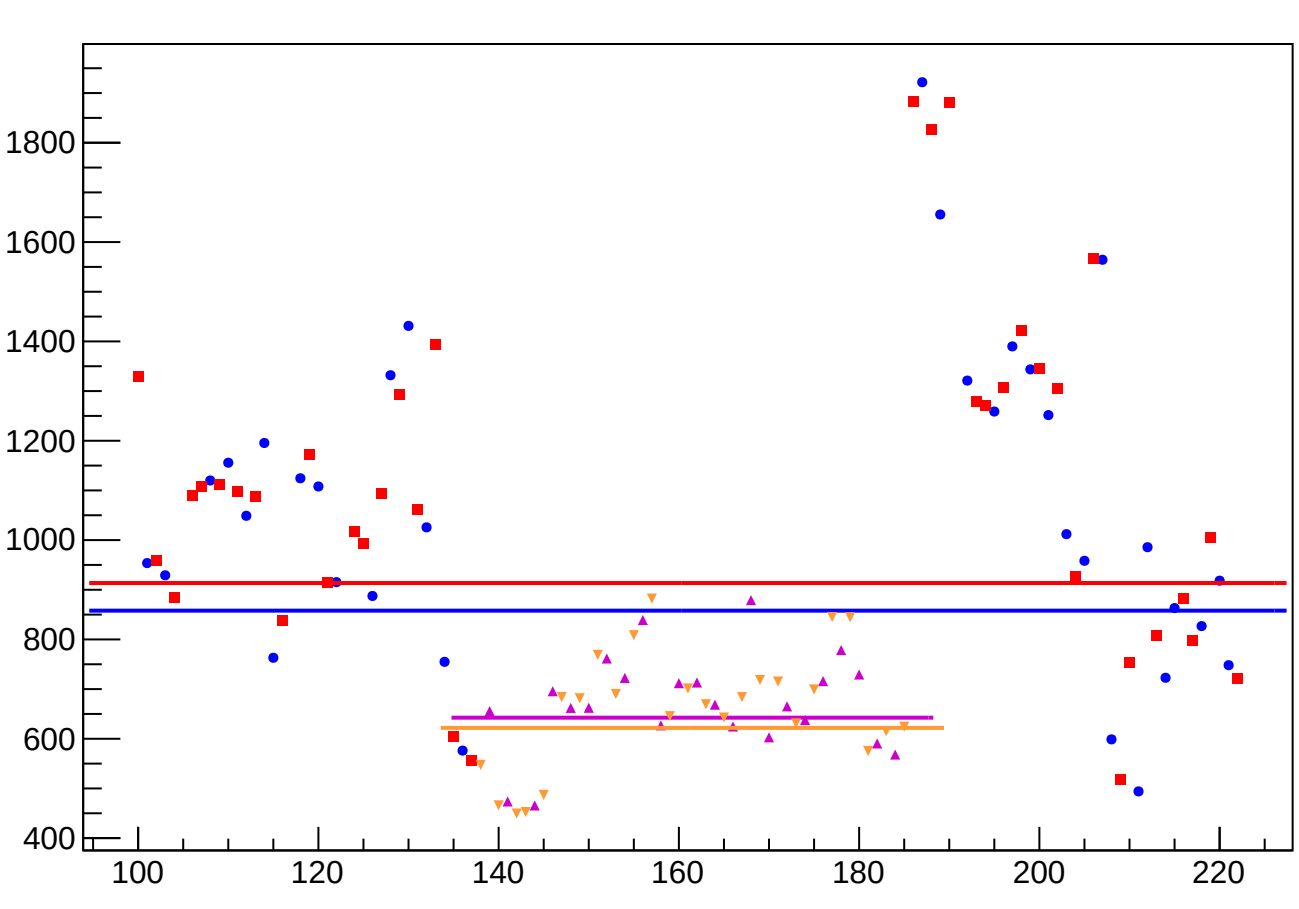
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -29.281+/-141.248 χ^2/NDF: 220.3/70

In: 470.937+/-119.757 χ^2/NDF:111.8/56

Out: -243.263+/-118.393 χ^2/NDF:165.8/61

All: 109.745+/-84.195 χ^2/NDF: 295.6/118



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: 913.600+/-0.146 χ^2/NDF: 4300420.2/36

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

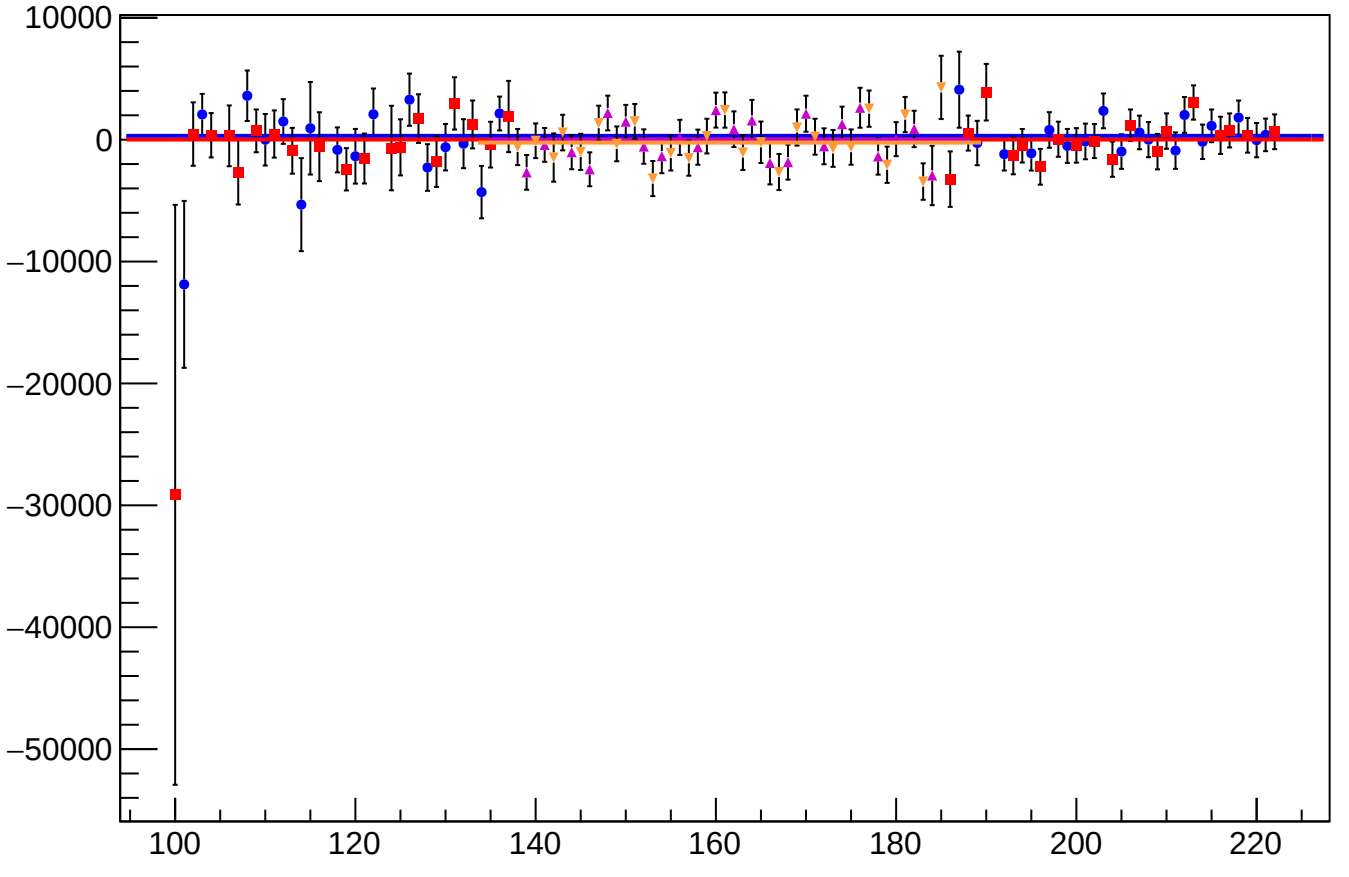
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 884.027+/-0.100 χ^2/NDF: 8472824.2/70

In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 717.983+/-0.084 χ^2/NDF:8364224.2/61

All: 721.336+/-0.060 χ^2/NDF: 14917384.8/1



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 11.897+/-286.242 χ^2/NDF: 26.5/36

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

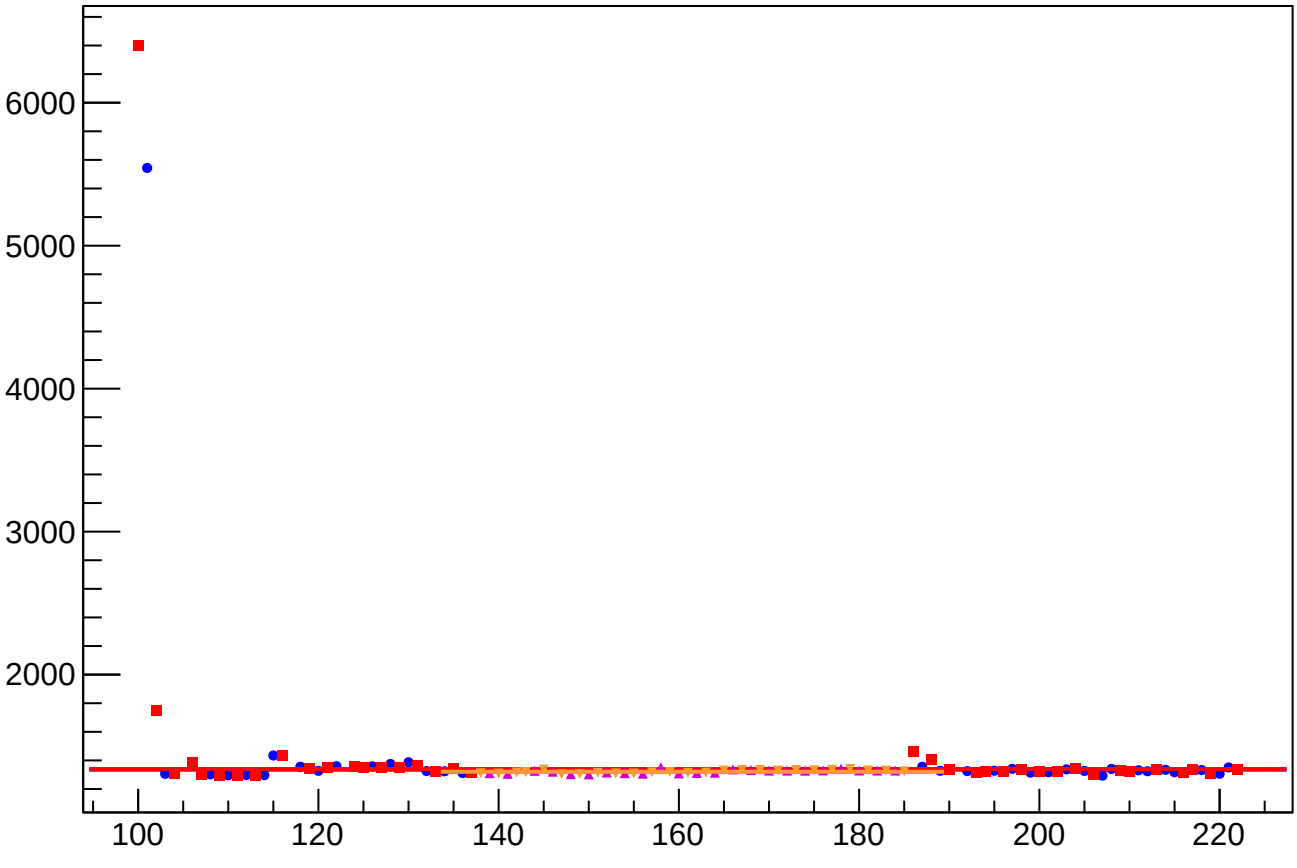
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 161.326+/-202.547 χ^2/NDF: 59.6/70

In: 148.910+/-210.029 χ^2/NDF:60.4/56

Out: -108.557+/-207.099 χ^2/NDF:58.6/61

All: 18.368+/-147.466 χ^2/NDF: 119.7/118



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: 1339.509+/-0.202 χ^2/NDF: 164081.0/36

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

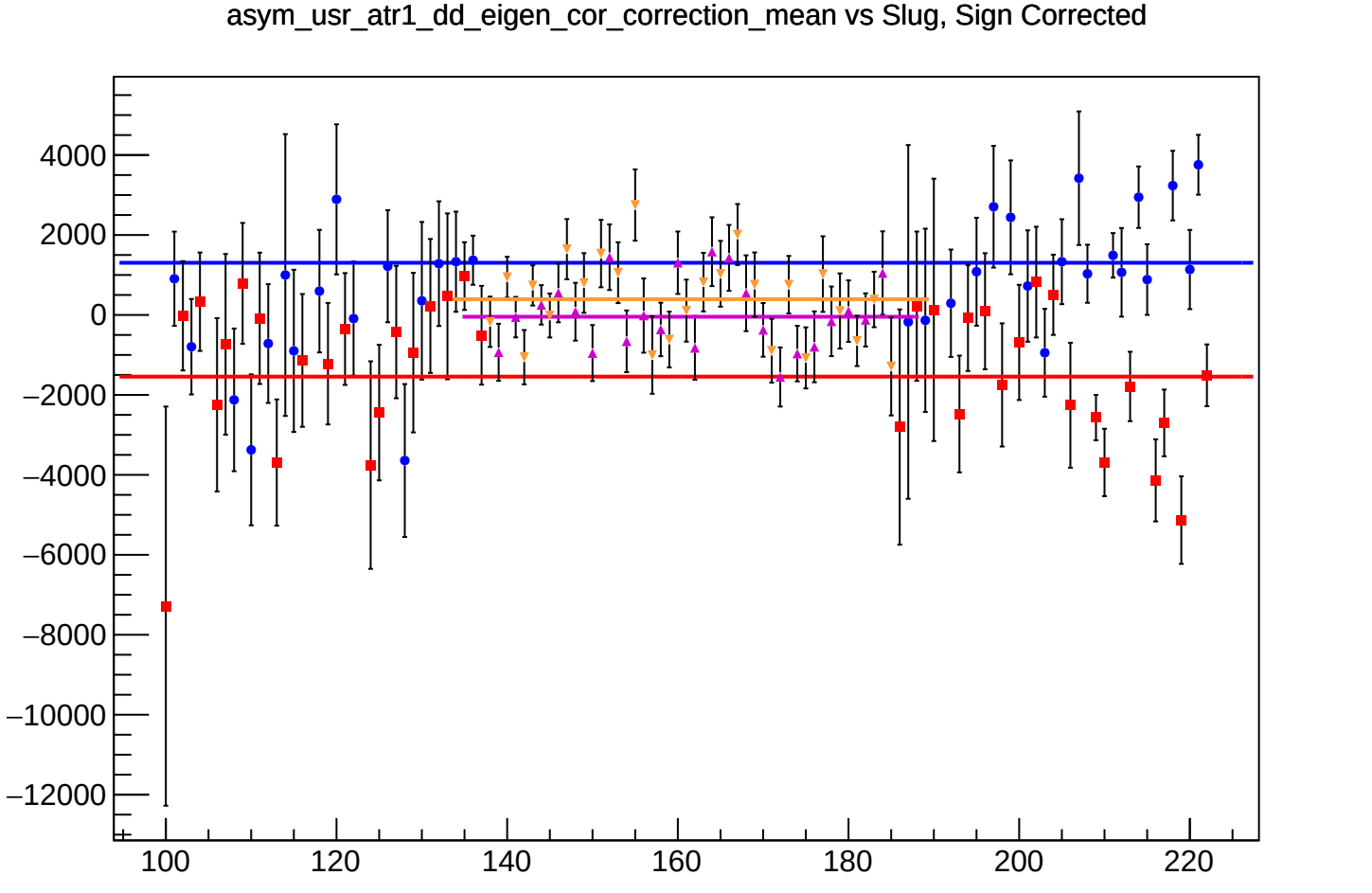
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.602+/-0.143 χ^2/NDF: 932479.8/70

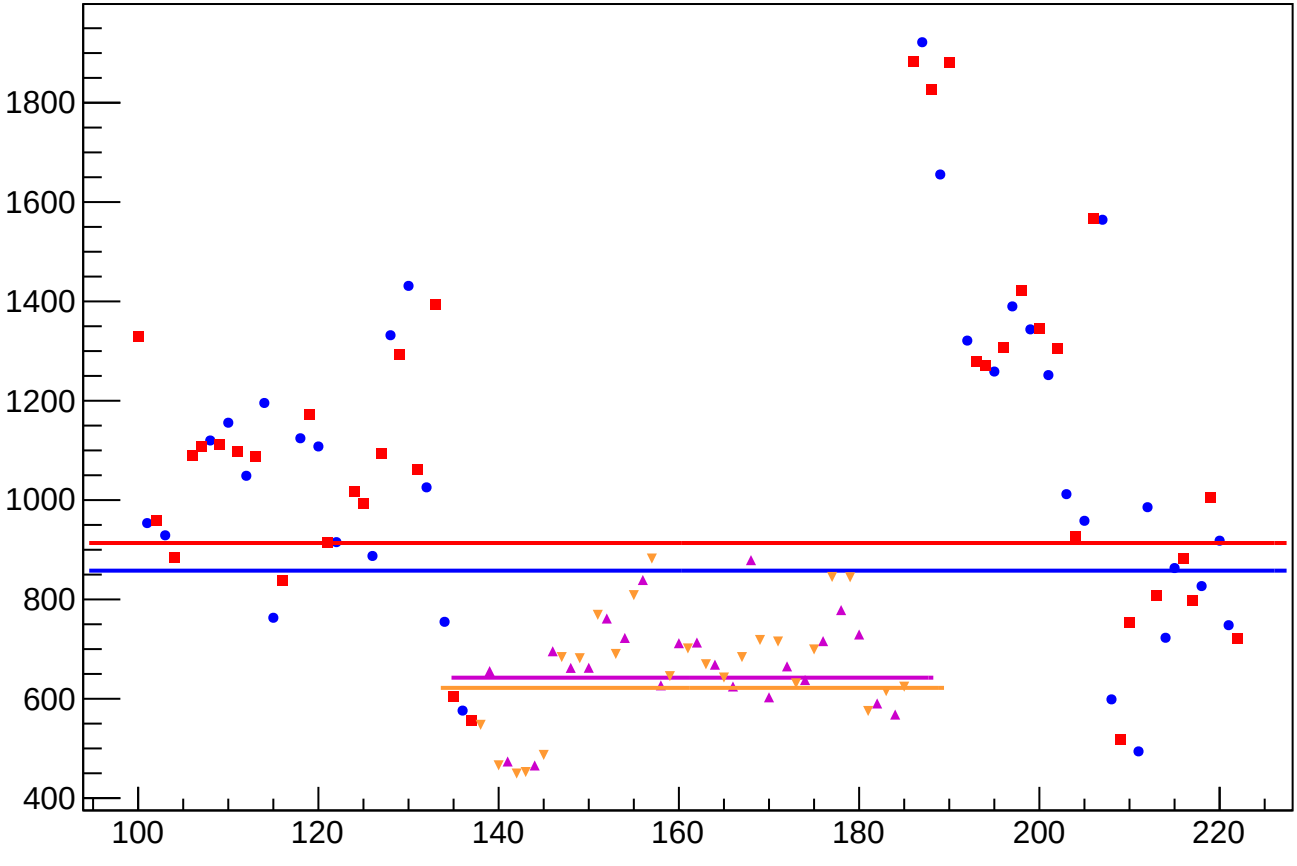
In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1330.565+/-0.146 χ^2/NDF:170780.7/61

All: 1329.916+/-0.104 χ^2/NDF: 944775.6/118


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: -1542.425+/-206.323 χ²/NDF: 64.9/36
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: -29.281+/-141.248 χ²/NDF: 220.3/70
In: 470.937+/-119.757 χ²/NDF:111.8/56
Out: -243.263+/-118.393 χ²/NDF:165.8/61
All: 109.745+/-84.195 χ²/NDF: 295.6/118

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: 913.600+/-0.146 χ^2/NDF: 4300420.2/36

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

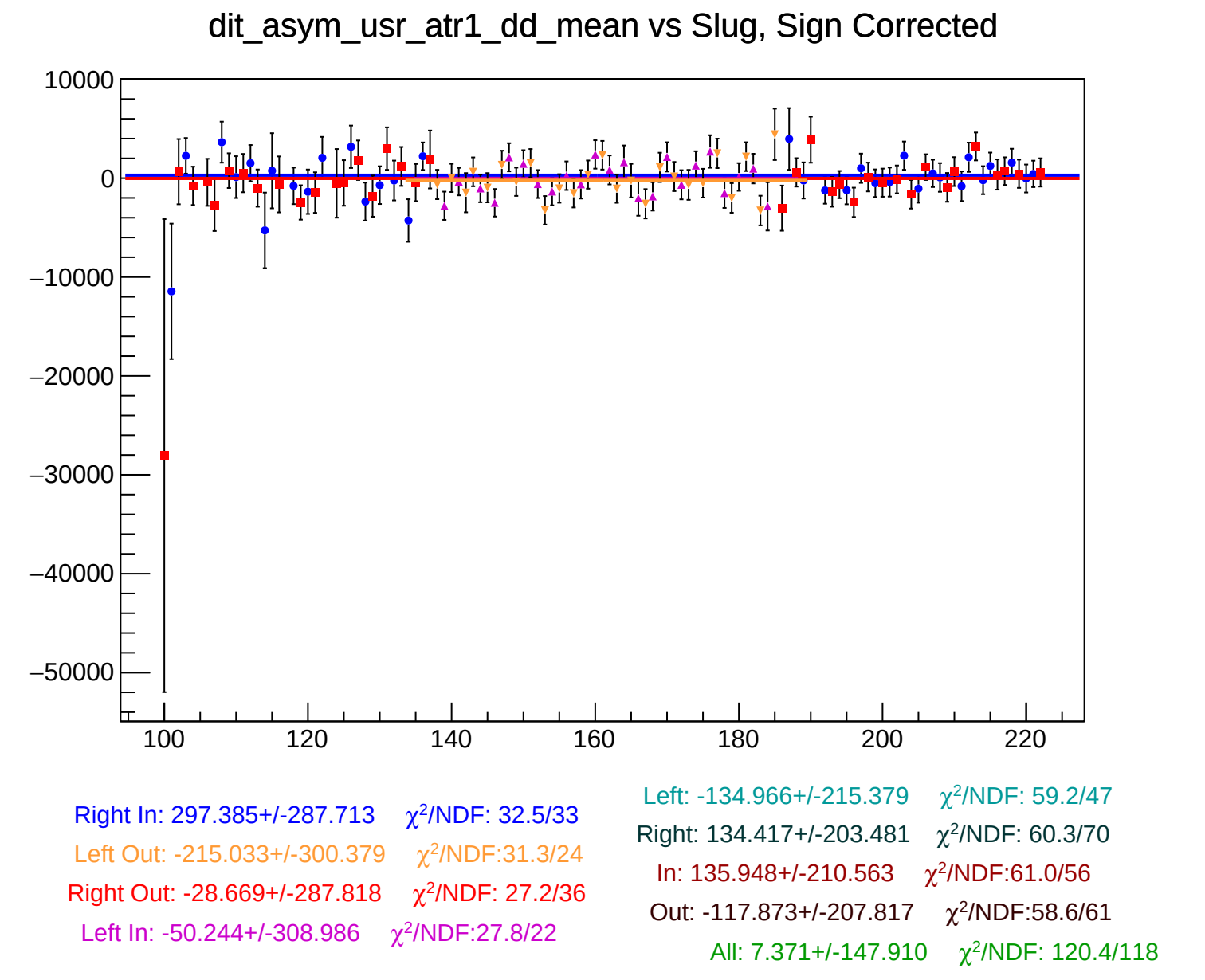
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

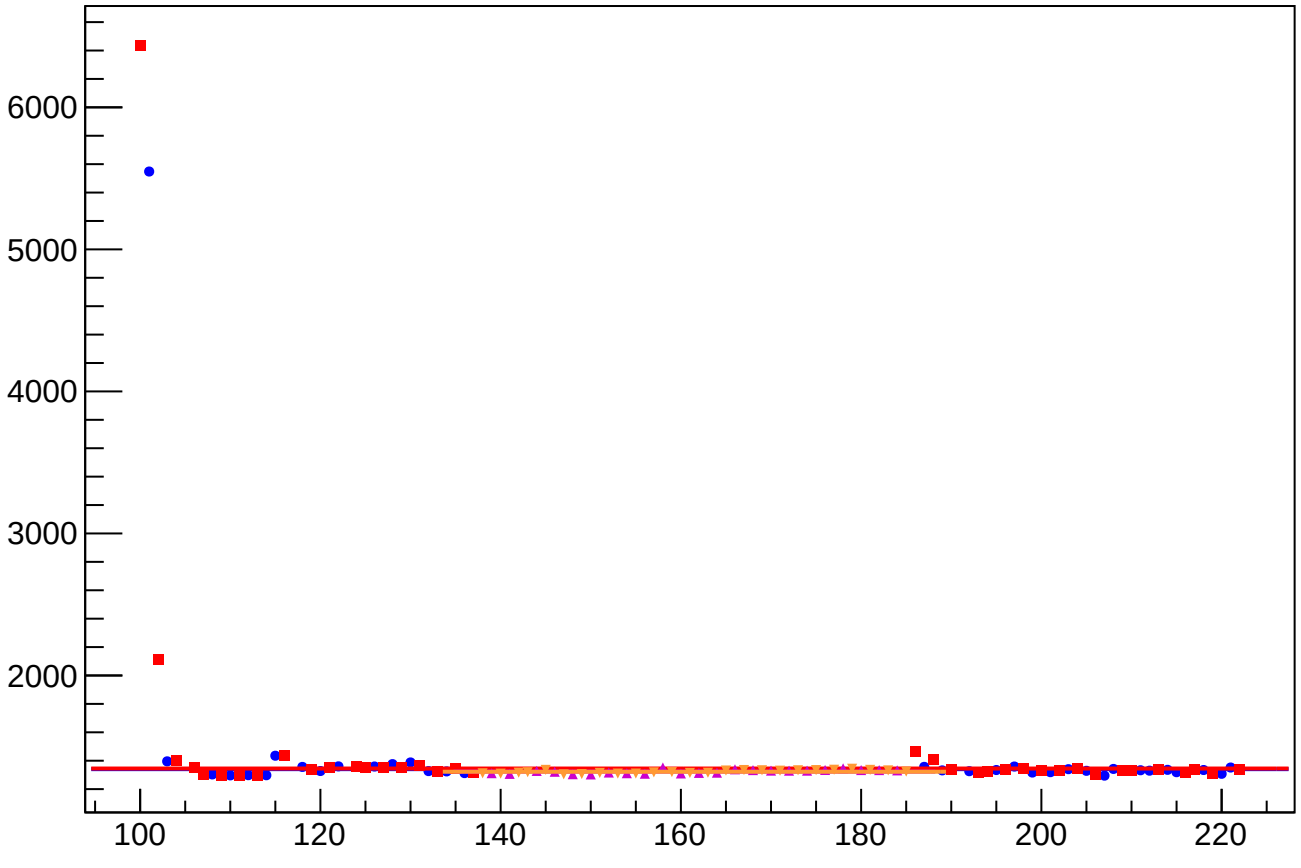
Right: 884.027+/-0.100 χ^2/NDF: 8472824.2/70

In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 717.983+/-0.084 χ^2/NDF:8364224.2/61

All: 721.336+/-0.060 χ^2/NDF: 14917384.8/1


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 297.385+/-287.713 χ²/NDF: 32.5/33
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -28.669+/-287.818 χ²/NDF: 27.2/36
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: 134.417+/-203.481 χ²/NDF: 60.3/70
In: 135.948+/-210.563 χ²/NDF:61.0/56
Out: -117.873+/-207.817 χ²/NDF:58.6/61
All: 7.371+/-147.910 χ²/NDF: 120.4/118



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: 1344.970+/-0.204 χ^2/NDF: 222651.9/36

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

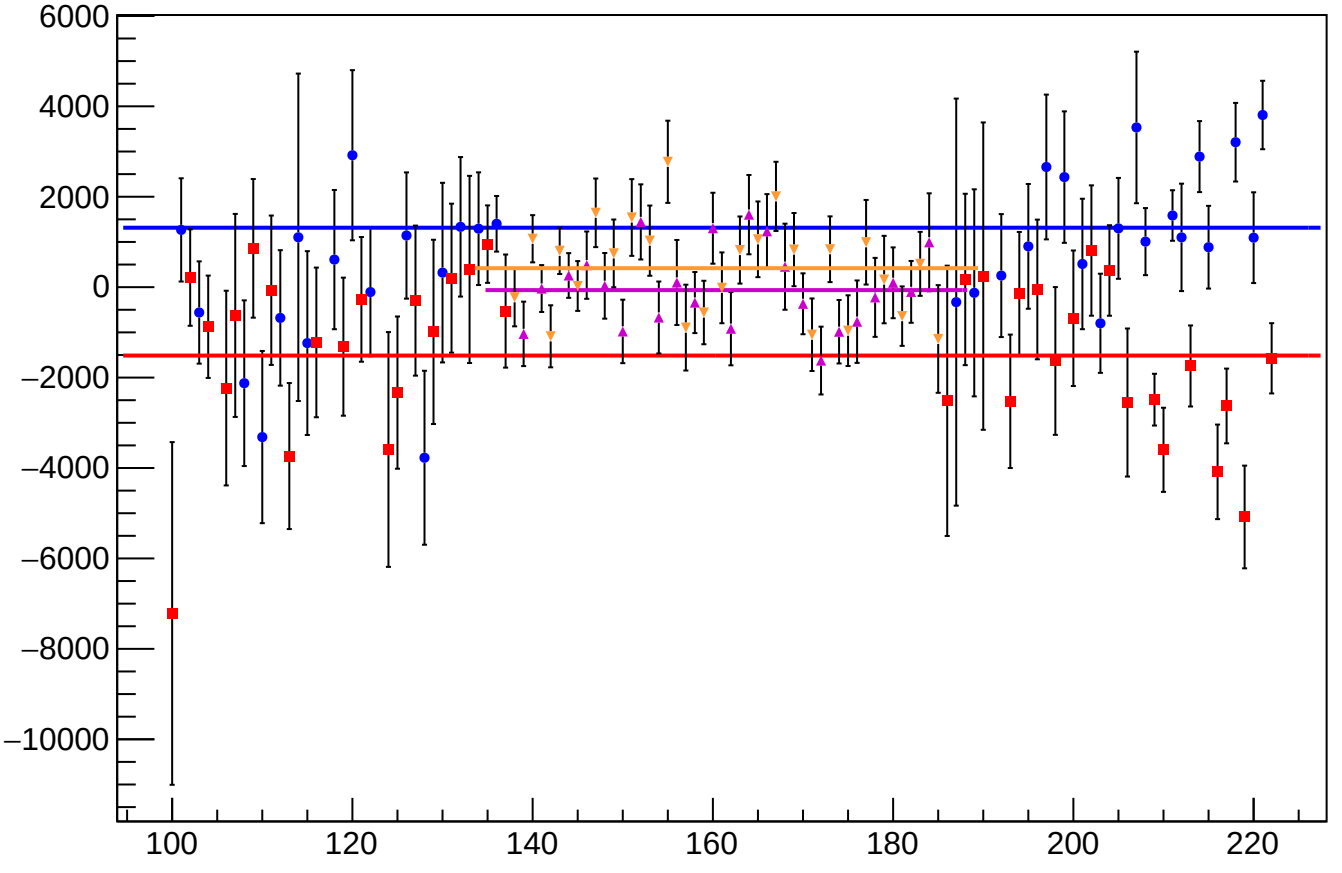
Right: 1342.796+/-0.144 χ^2/NDF: 992284.1/70

In: 1332.596+/-0.149 χ^2/NDF:776612.7/56

Out: 1334.152+/-0.147 χ^2/NDF:231487.0/61

All: 1333.384+/-0.105 χ^2/NDF: 1008155.0/11

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



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: -1512.992+/-207.720 χ^2/NDF: 59.8/36

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

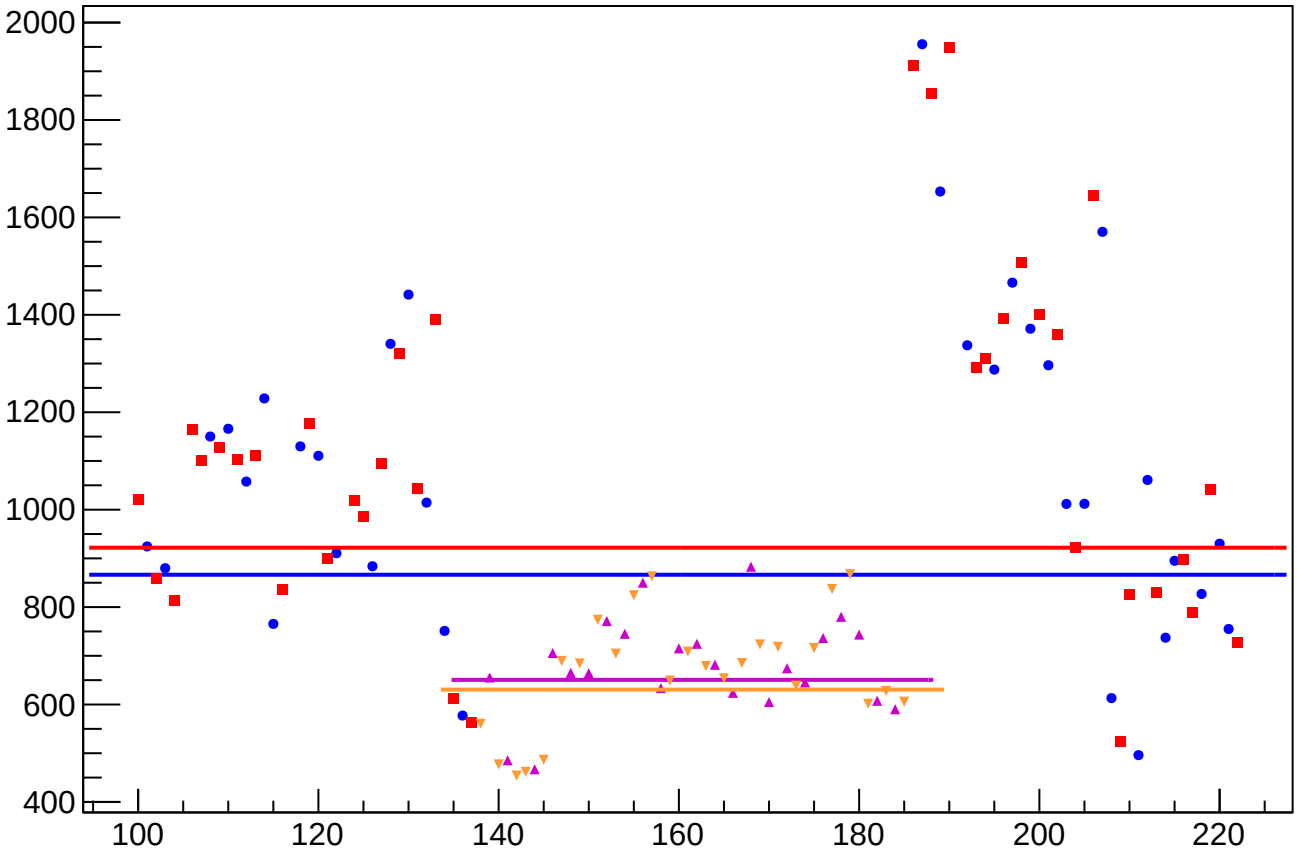
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -15.910+/-142.493 χ^2/NDF: 211.3/70

In: 462.910+/-121.163 χ^2/NDF:111.1/56

Out: -221.799+/-119.685 χ^2/NDF:159.2/61

All: 116.353+/-85.148 χ^2/NDF: 286.4/118



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: 921.948+/-0.147 χ^2/NDF: 4468089.5/36

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

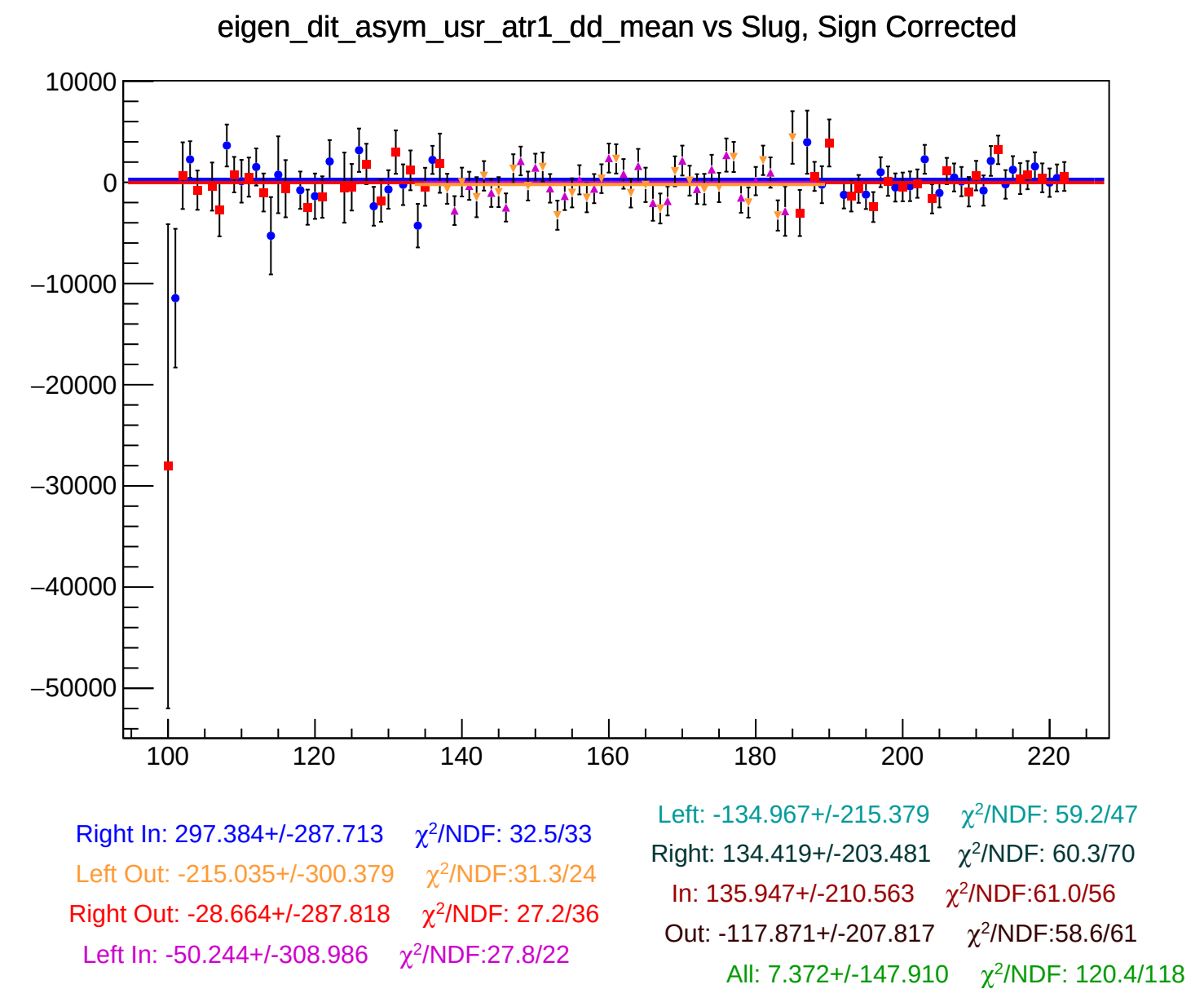
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 892.552+/-0.101 χ^2/NDF: 8742504.4/70

In: 733.237+/-0.086 χ^2/NDF:6619587.7/56

Out: 727.319+/-0.085 χ^2/NDF:8425171.2/61

All: 730.241+/-0.060 χ^2/NDF: 15047173.8/1


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
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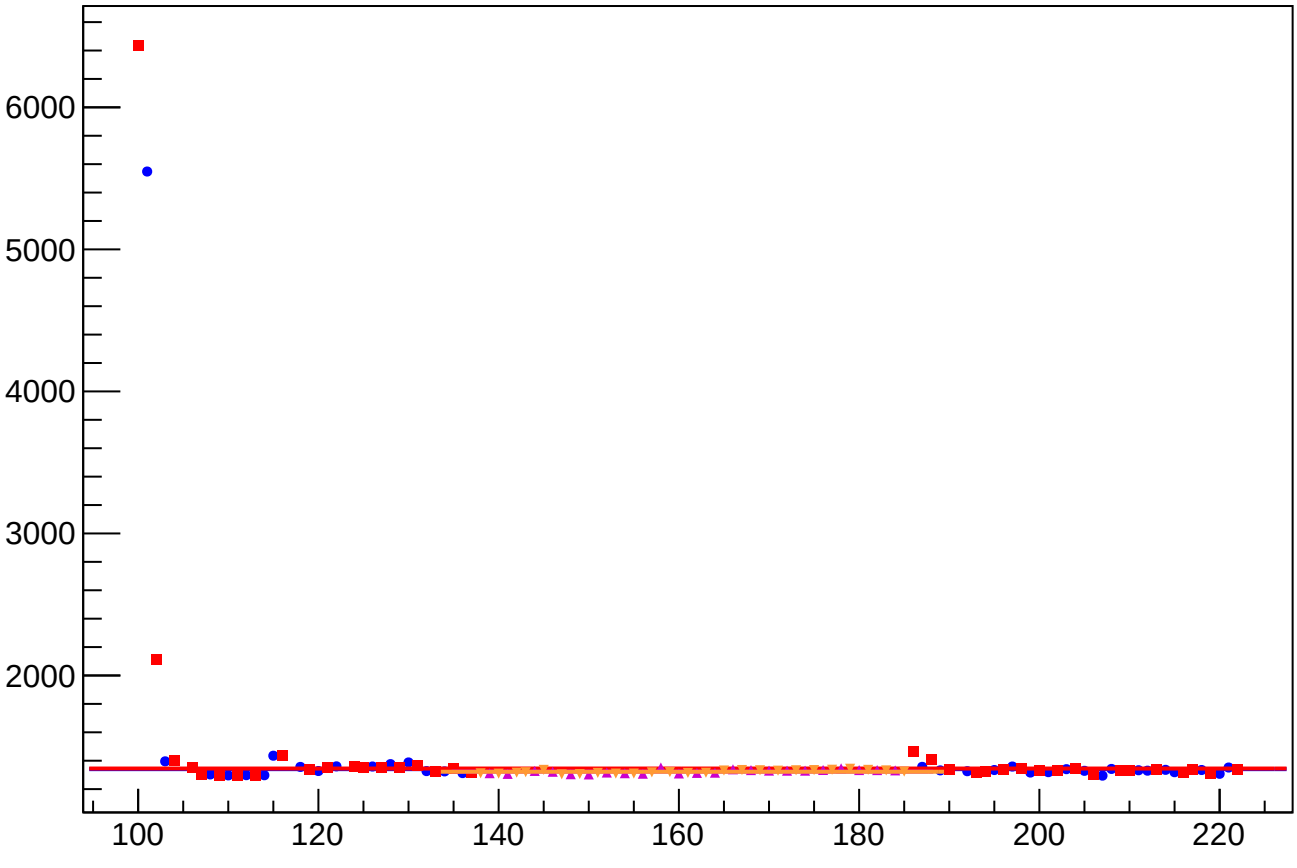
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 297.384+/-287.713 χ²/NDF: 32.5/33
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -28.664+/-287.818 χ²/NDF: 27.2/36
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 134.419+/-203.481 χ²/NDF: 60.3/70
In: 135.947+/-210.563 χ²/NDF:61.0/56
Out: -117.871+/-207.817 χ²/NDF:58.6/61
All: 7.372+/-147.910 χ²/NDF: 120.4/118



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: 1344.970+/-0.204 χ^2/NDF: 222651.8/36

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

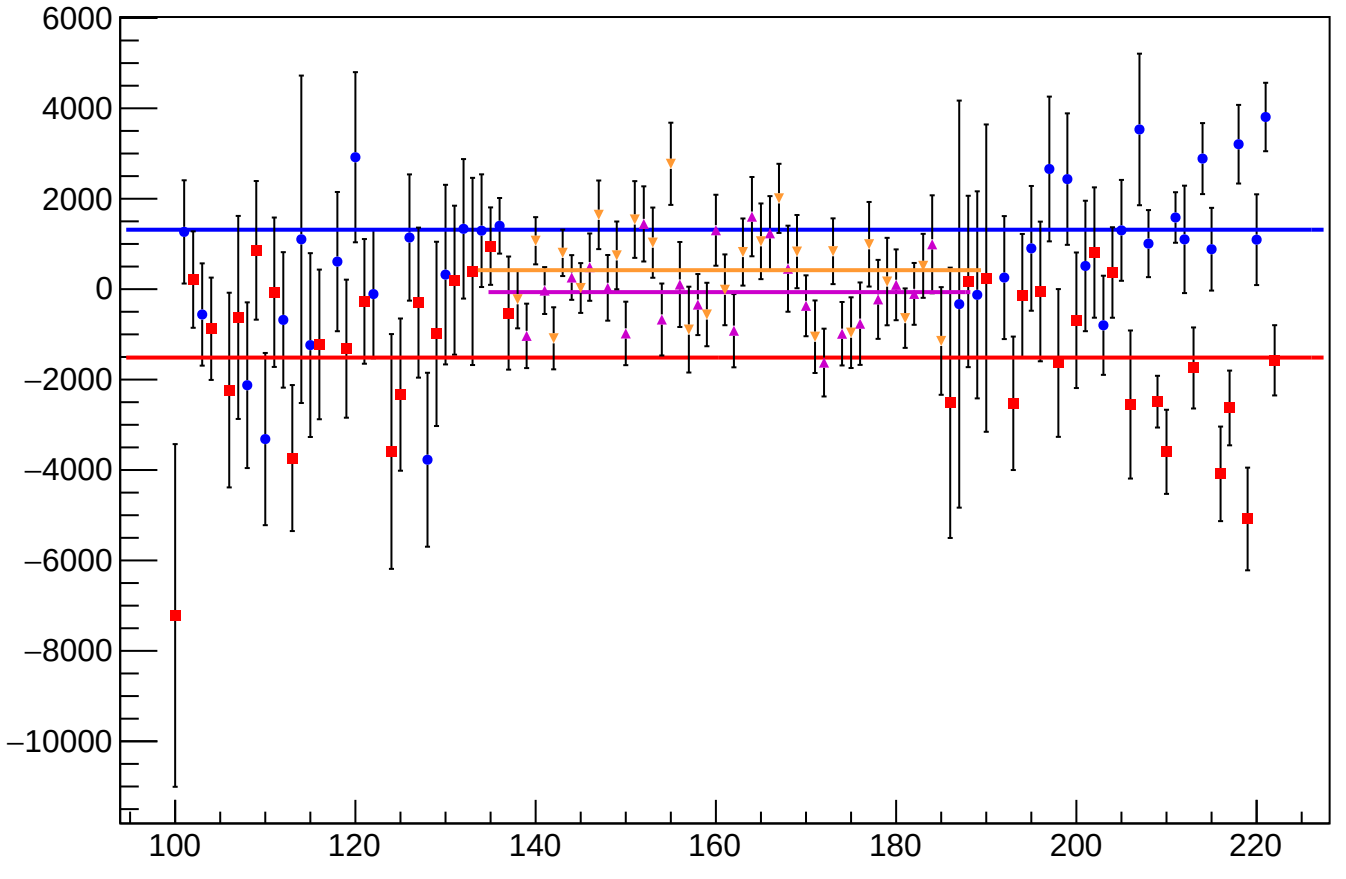
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1342.796+/-0.144 χ^2/NDF: 992284.0/70

In: 1332.596+/-0.149 χ^2/NDF:776612.6/56

Out: 1334.152+/-0.147 χ^2/NDF:231486.9/61

All: 1333.384+/-0.105 χ^2/NDF: 1008154.9/11



Right In: 1314.779+/-195.836 χ^2/NDF: 53.4/33

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1512.991+/-207.719 χ^2/NDF: 59.8/36

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

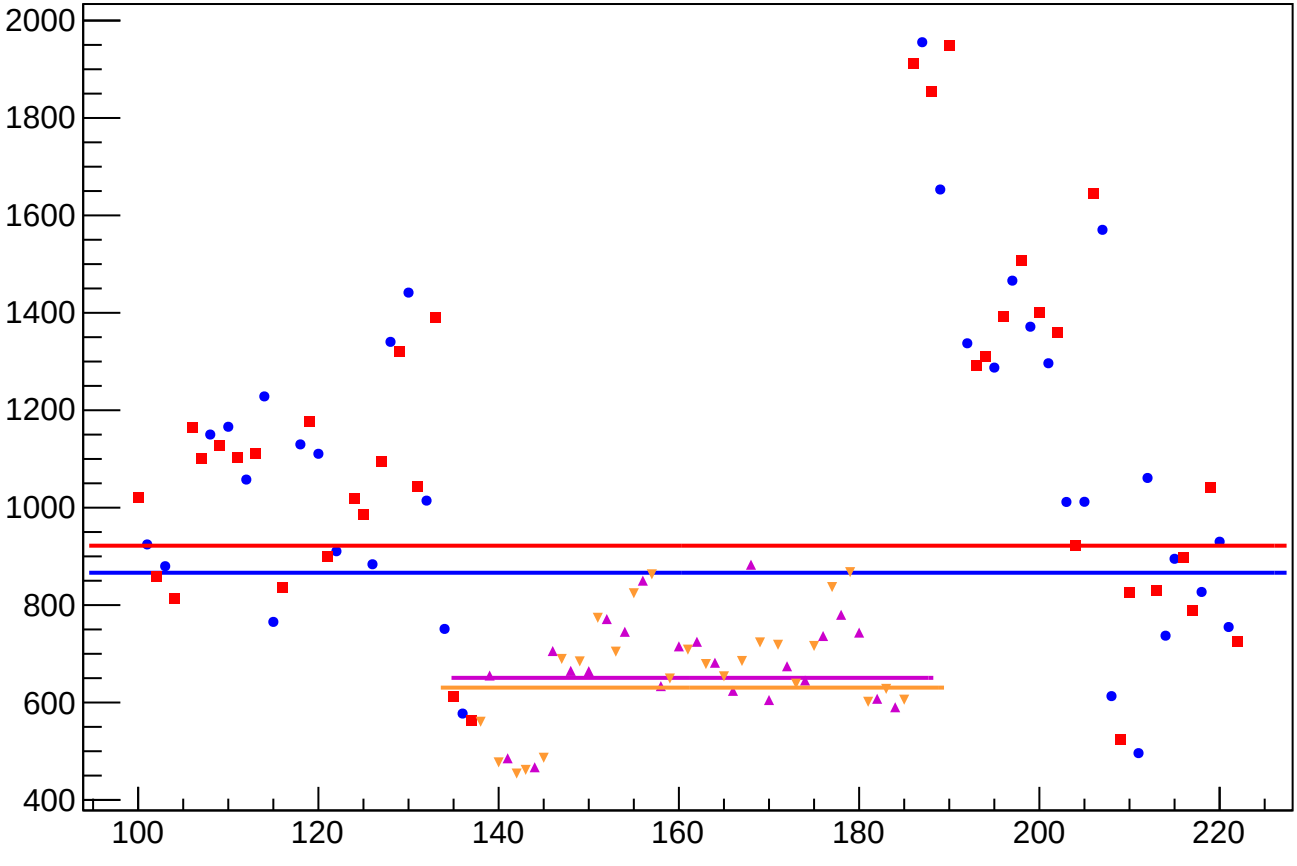
Right: -15.913+/-142.493 χ^2/NDF: 211.3/70

In: 462.911+/-121.163 χ^2/NDF:111.1/56

Out: -221.801+/-119.685 χ^2/NDF:159.2/61

All: 116.352+/-85.148 χ^2/NDF: 286.4/118

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 866.423+/-0.138 χ^2/NDF: 4198755.5/33

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 921.945+/-0.147 χ^2/NDF: 4468117.6/36

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

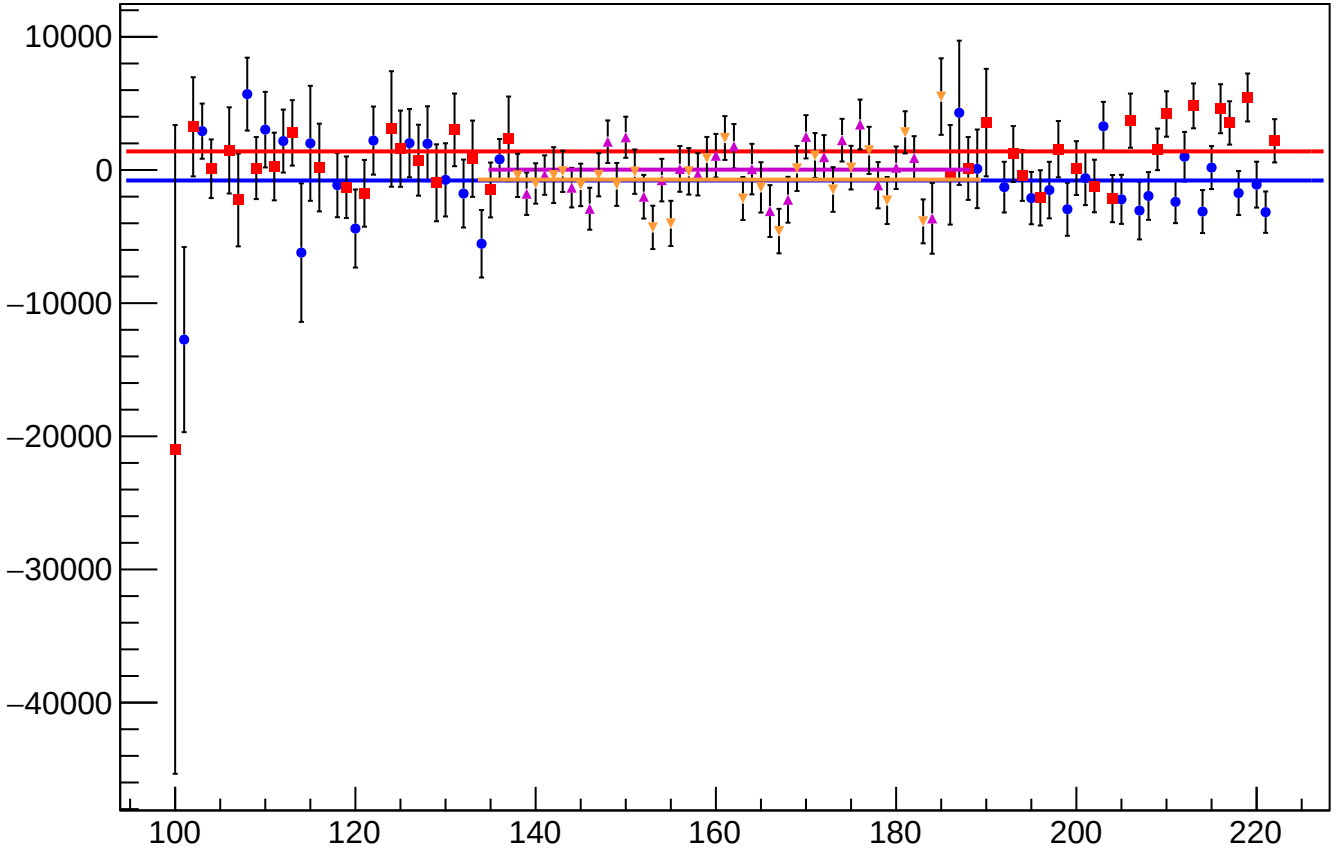
Right: 892.551+/-0.101 χ^2/NDF: 8742524.6/70

In: 733.237+/-0.086 χ^2/NDF:6619564.0/56

Out: 727.319+/-0.085 χ^2/NDF:8425169.9/61

All: 730.242+/-0.060 χ^2/NDF: 15047149.3/11

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: 1398.203+/-372.097 χ^2/NDF: 38.6/36

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

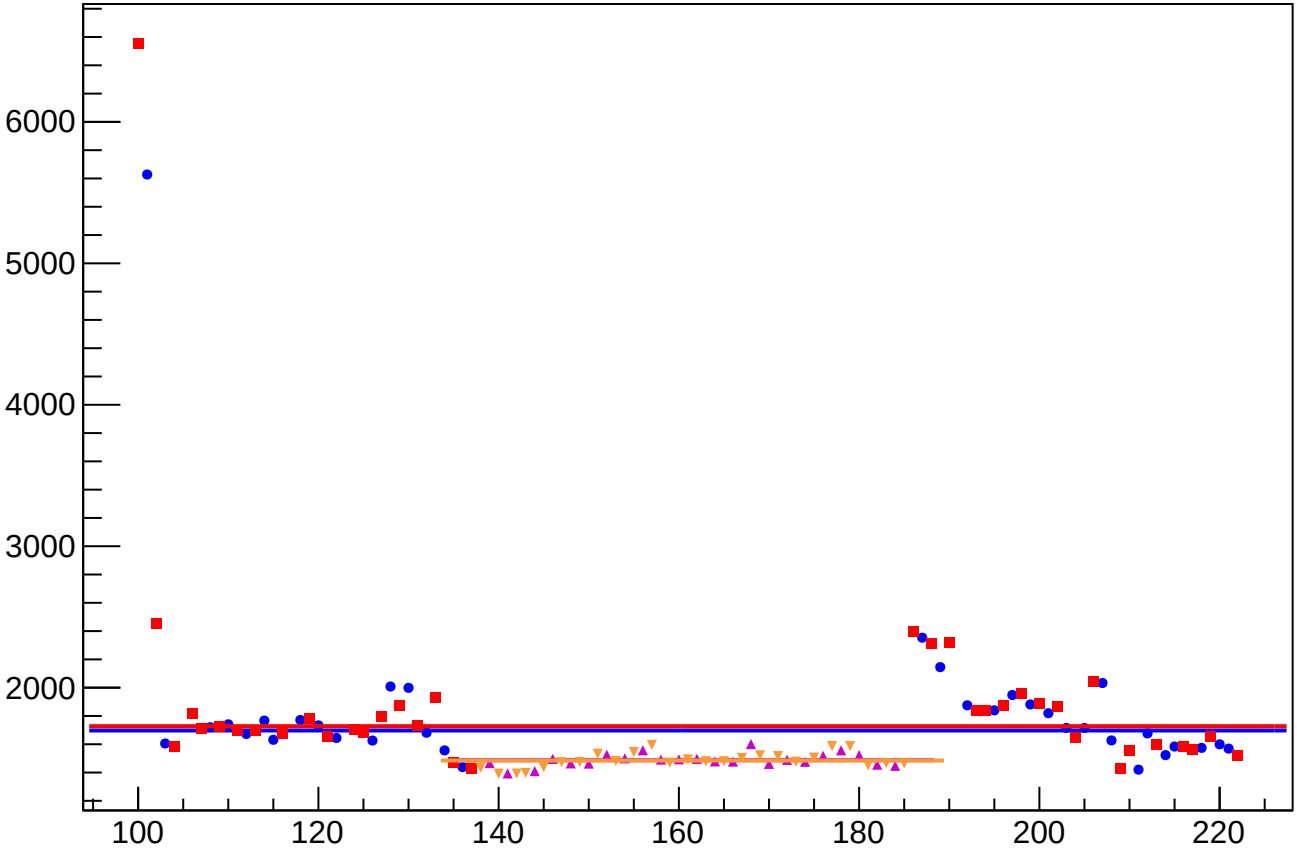
Right: 288.379+/-261.028 χ^2/NDF: 99.5/70

In: -358.221+/-252.062 χ^2/NDF:73.9/56

Out: 237.251+/-250.019 χ^2/NDF:94.1/61

All: -58.062+/-177.508 χ^2/NDF: 170.8/118

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: 1727.748+/-0.263 χ^2/NDF: 759671.5/36

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

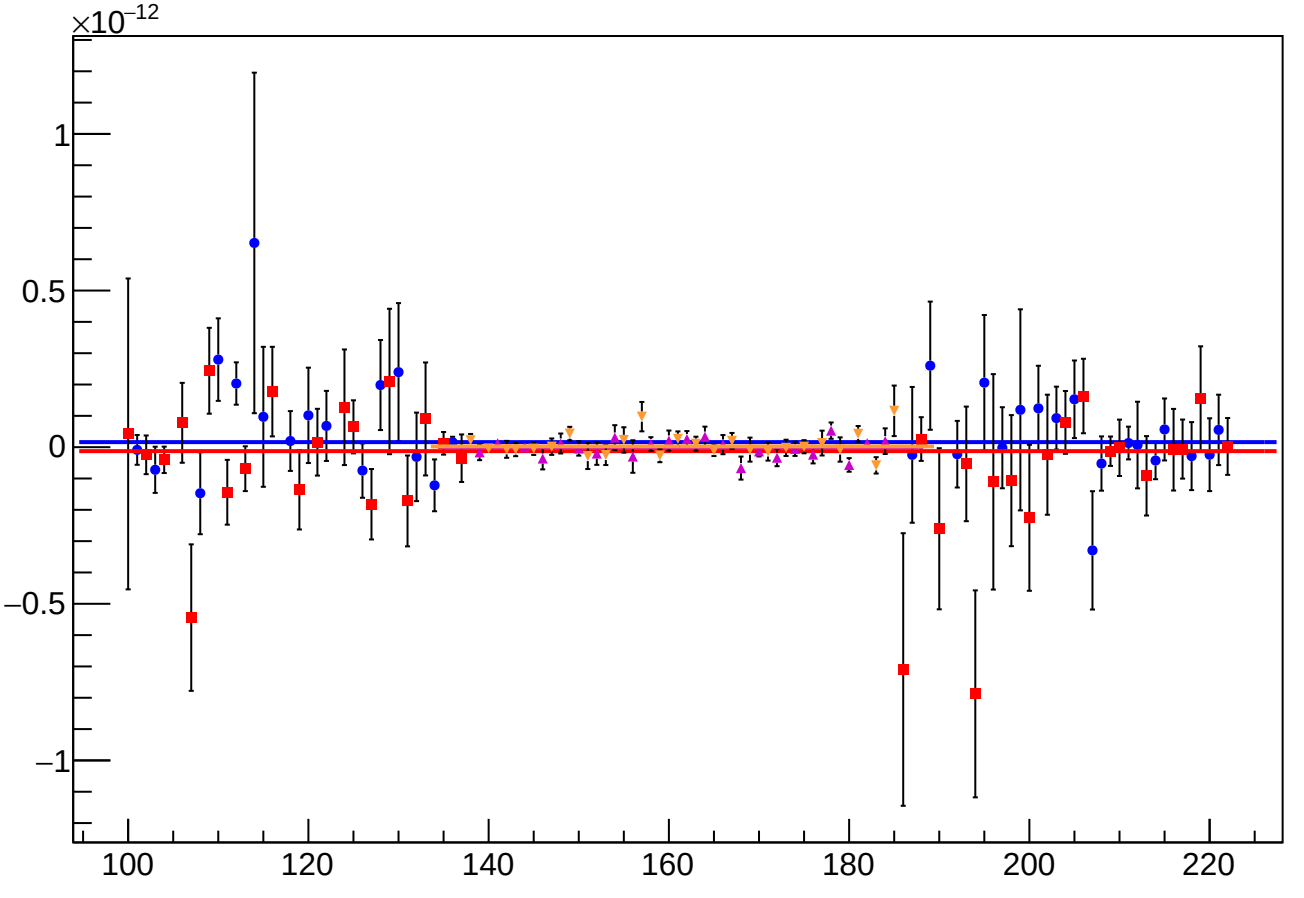
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1712.314+/-0.185 χ^2/NDF: 1860234.8/70

In: 1586.685+/-0.178 χ^2/NDF:1475505.8/56

Out: 1594.572+/-0.177 χ^2/NDF:1277631.4/61

All: 1590.661+/-0.126 χ^2/NDF: 2754124.3/11



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: 36.3/36

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

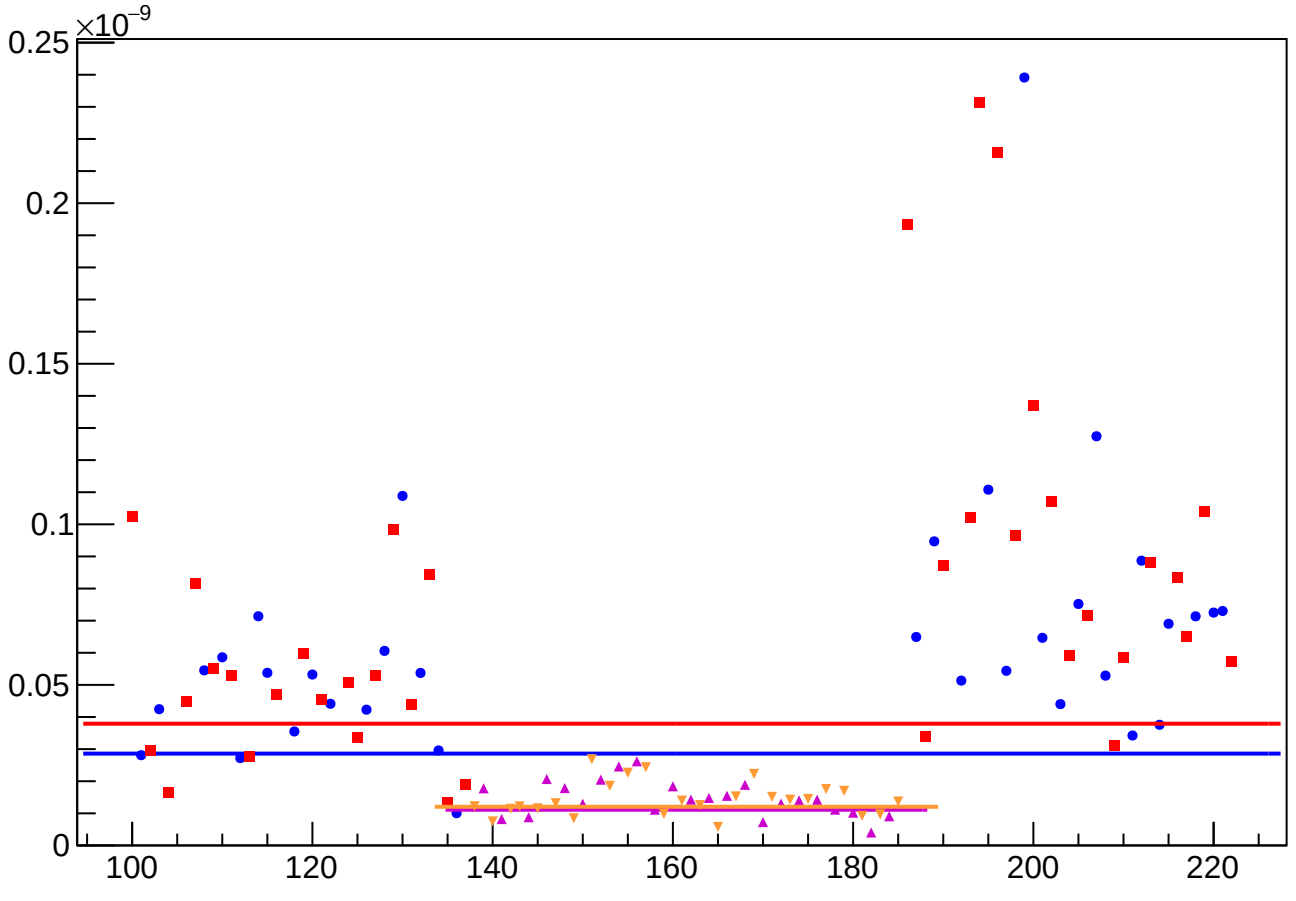
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 72.4/70

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:62.6/61

All: 0.000+/-0.000 χ^2/NDF: 123.1/118



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: 6349623.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

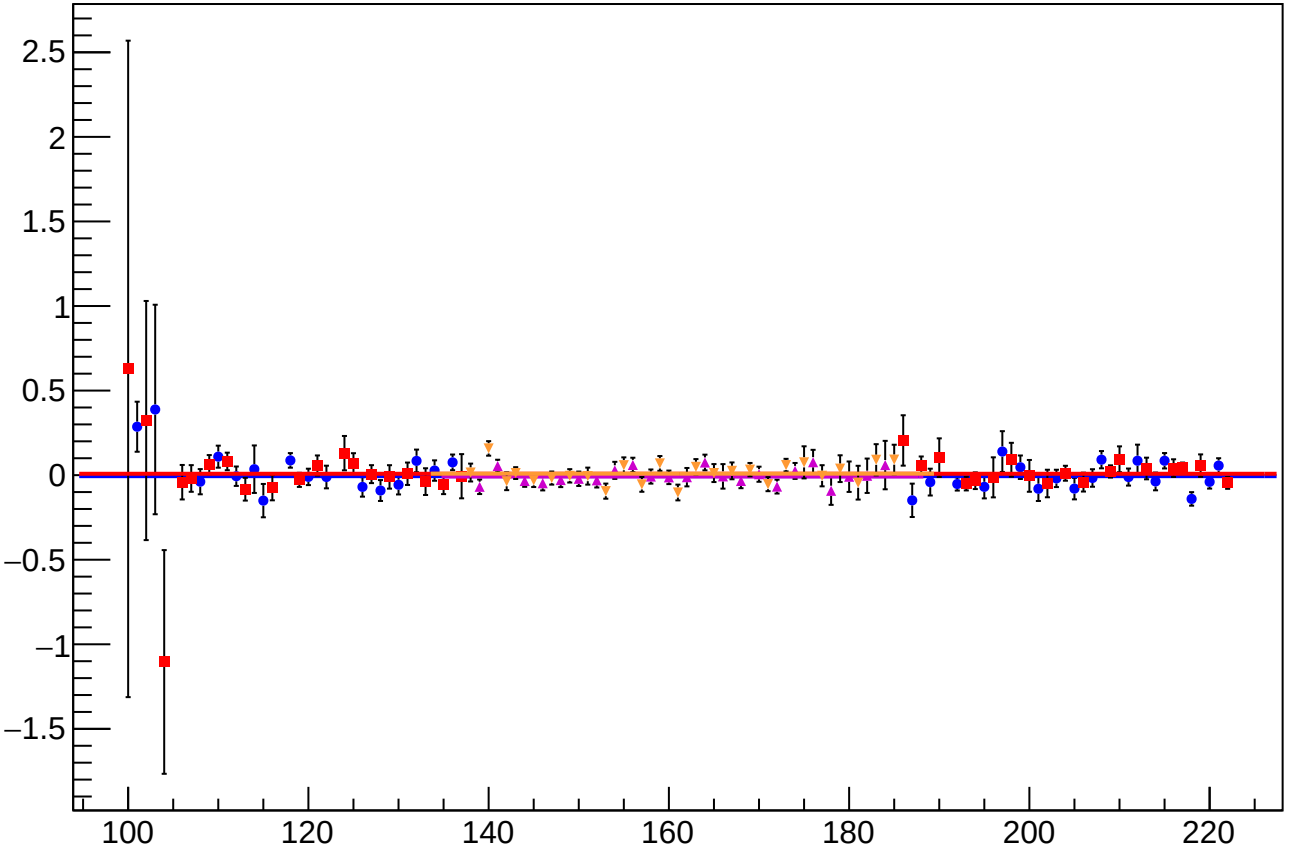
Right: 0.000+/-0.000 χ^2/NDF: 14335001.1/70

In: 0.000+/-0.000 χ^2/NDF:13187827.5/56

Out: 0.000+/-0.000 χ^2/NDF:12986093.2/61

All: 0.000+/-0.000 χ^2/NDF: 26225088.4/118

asym_usr_atr1_dd_dit_vs_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: 0.008+/-0.010 χ^2/NDF: 29.3/36

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

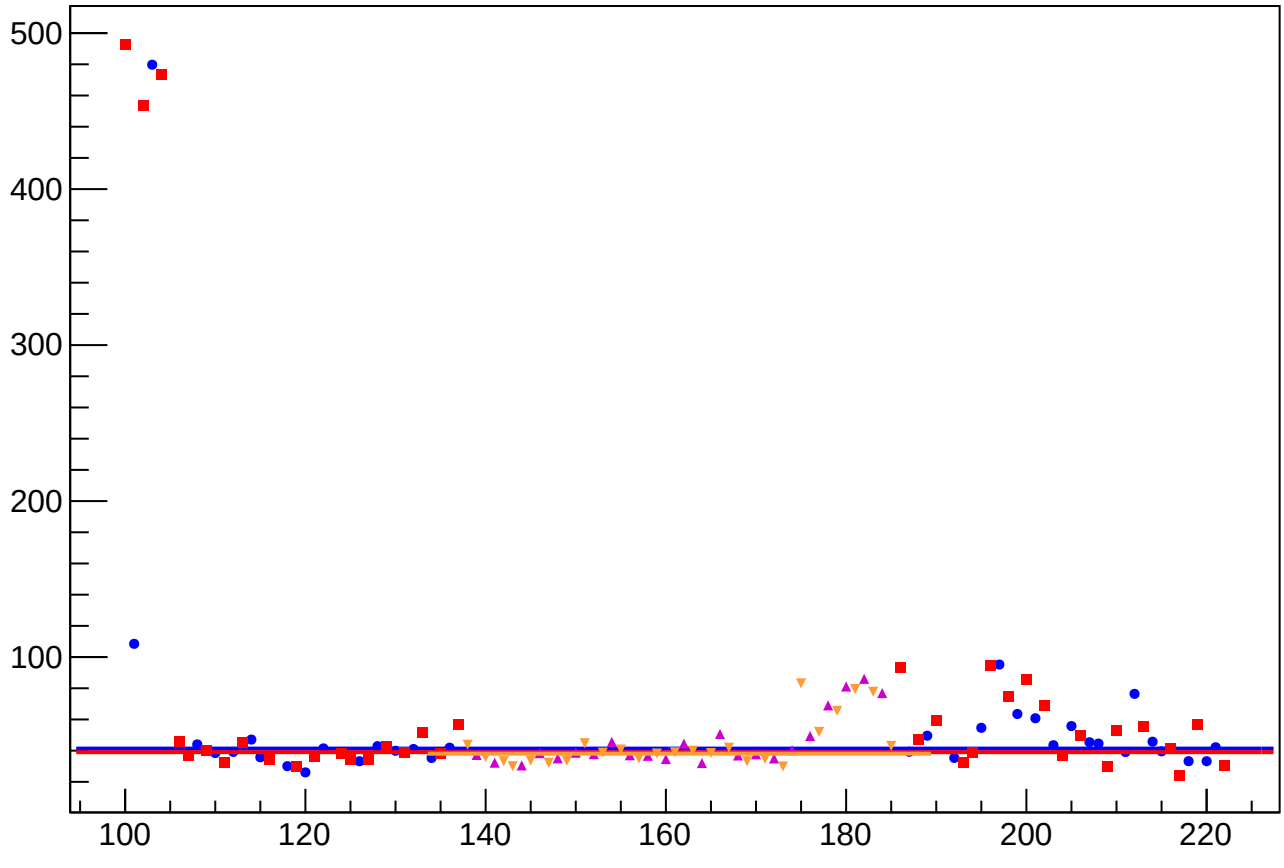
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.001+/-0.007 χ^2/NDF: 86.2/70

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.008+/-0.007 χ^2/NDF:67.9/61

All: 0.001+/-0.005 χ^2/NDF: 145.1/118



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: 39.033+/-0.007 χ^2/NDF: 4972108.8/36

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

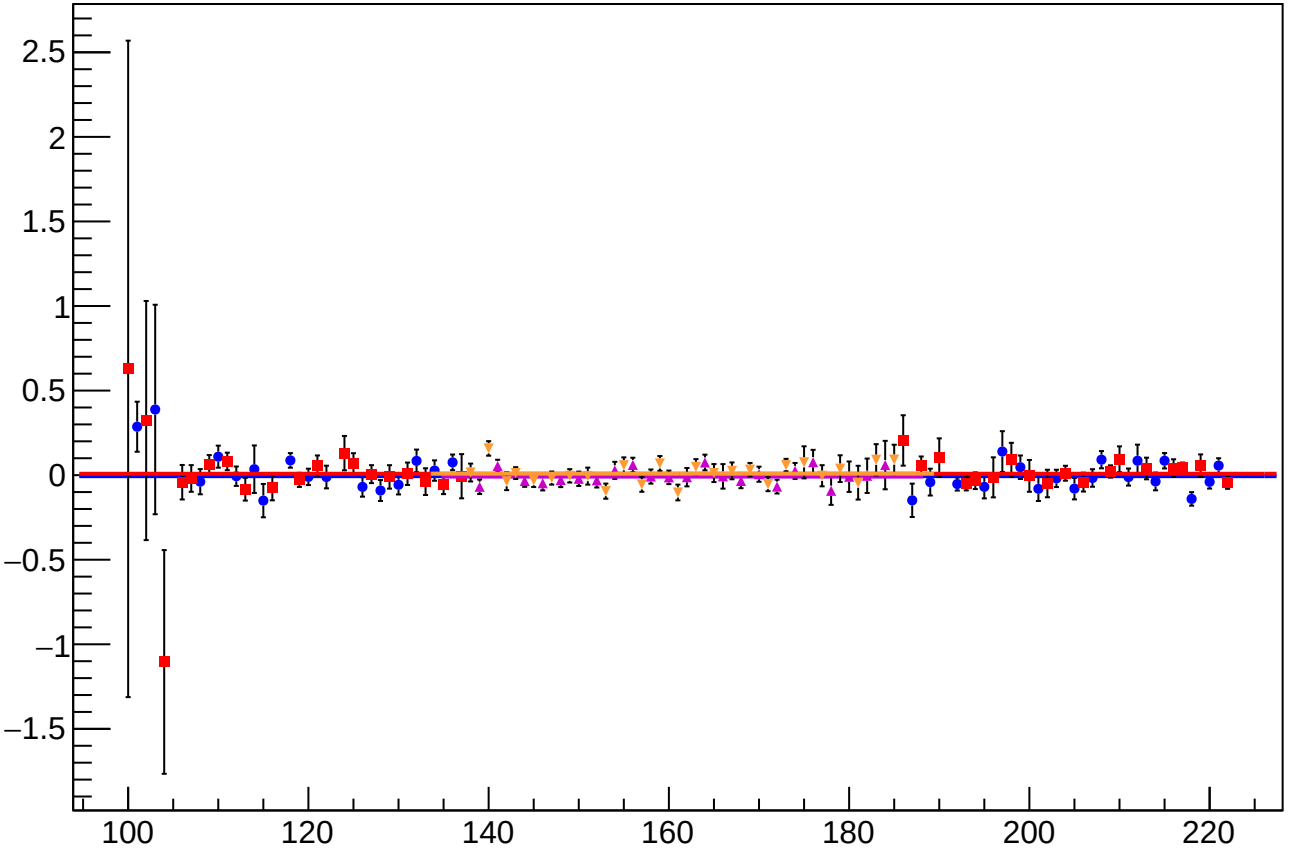
Right: 40.164+/-0.005 χ^2/NDF: 8335703.0/70

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.535+/-0.005 χ^2/NDF:6949095.2/61

All: 39.235+/-0.003 χ^2/NDF: 12102859.7/118

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: 0.008+/-0.010 χ^2/NDF: 29.3/36

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

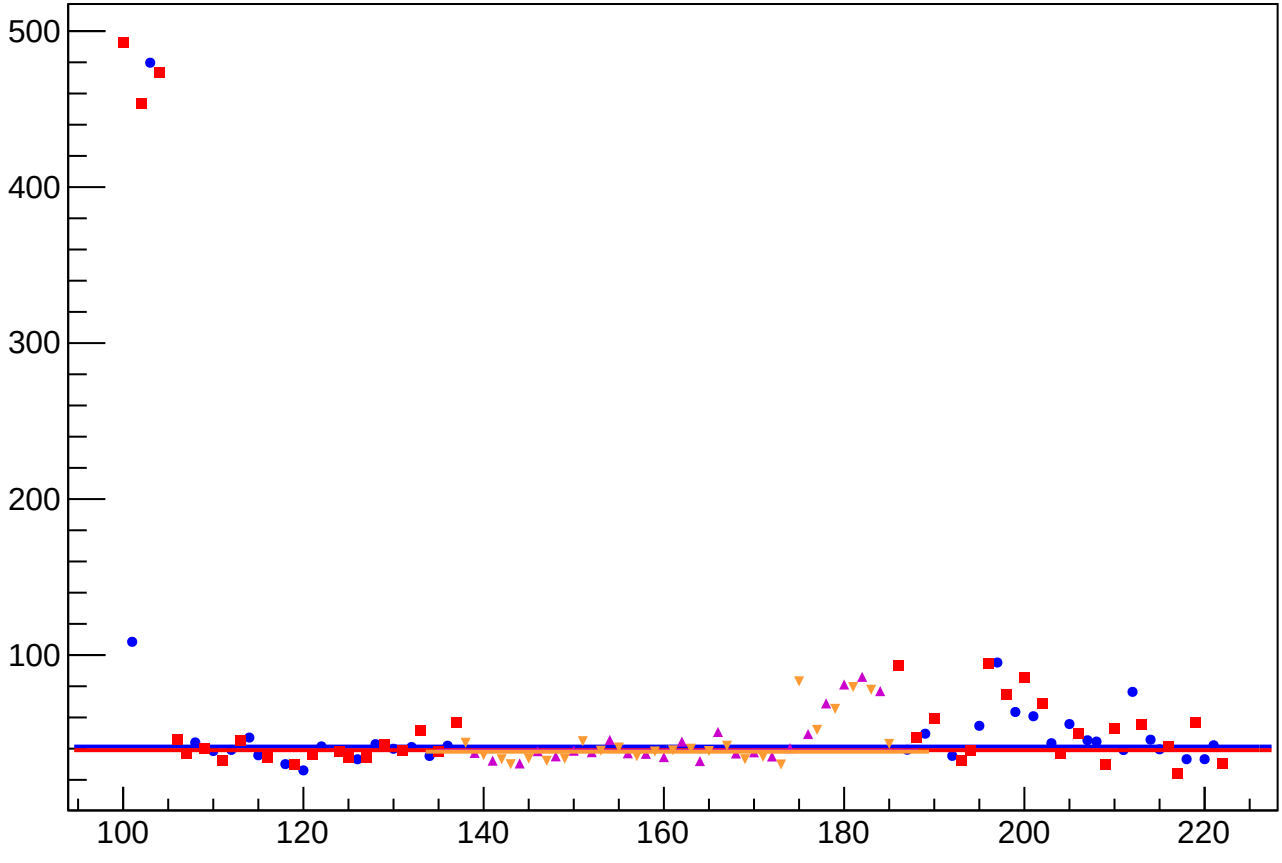
Right: 0.001+/-0.007 χ^2/NDF: 86.2/70

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.008+/-0.007 χ^2/NDF:67.9/61

All: 0.001+/-0.005 χ^2/NDF: 145.1/118

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: 39.033+/-0.007 χ^2/NDF: 4972108.8/36

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

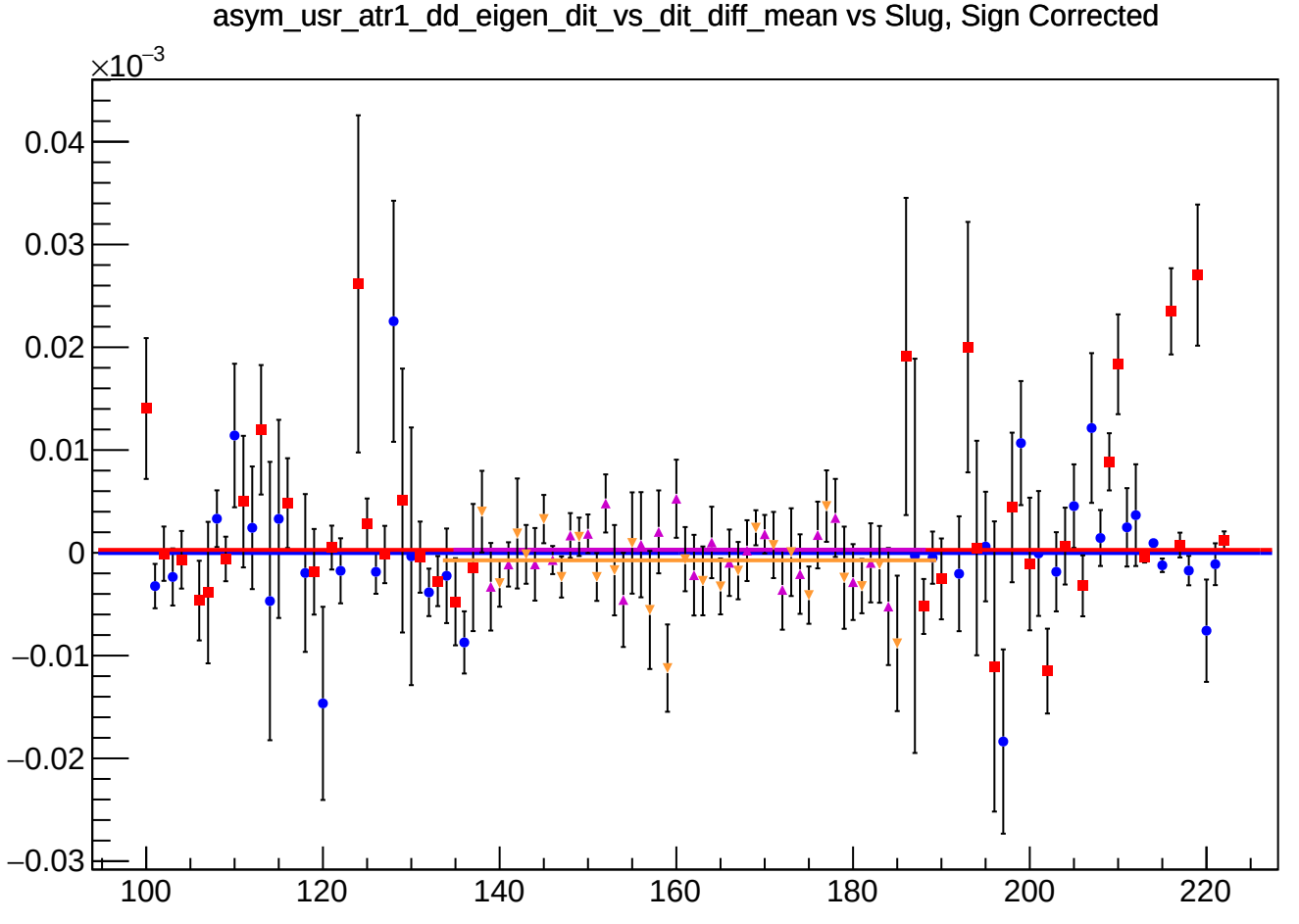
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.164+/-0.005 χ^2/NDF: 8335703.0/70

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.535+/-0.005 χ^2/NDF:6949095.2/61

All: 39.235+/-0.003 χ^2/NDF: 12102859.7/118



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: 110.6/36

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

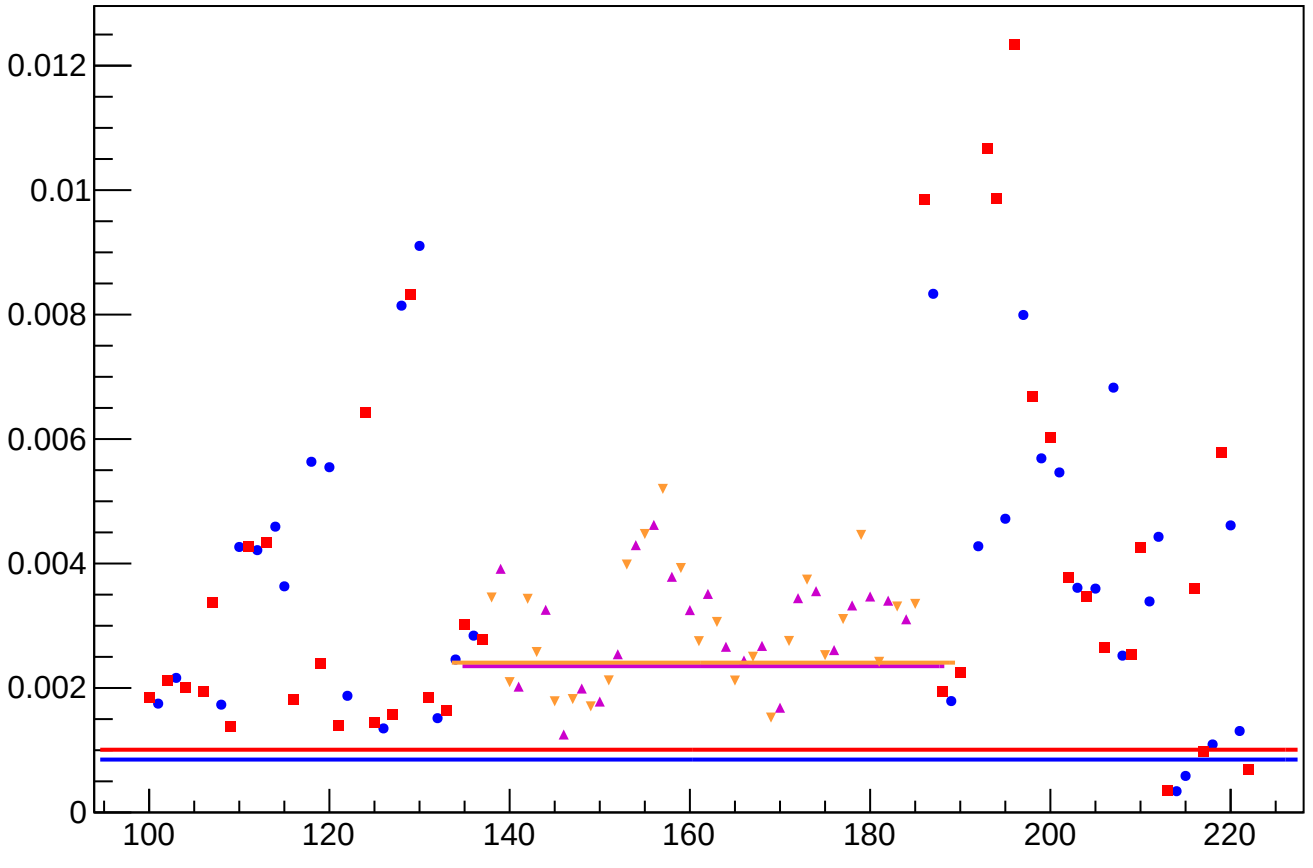
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 163.0/70

In: 0.000+/-0.000 χ^2/NDF:66.0/56

Out: 0.000+/-0.000 χ^2/NDF:139.4/61

All: 0.000+/-0.000 χ^2/NDF: 205.4/118



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: 21399540.9/36

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

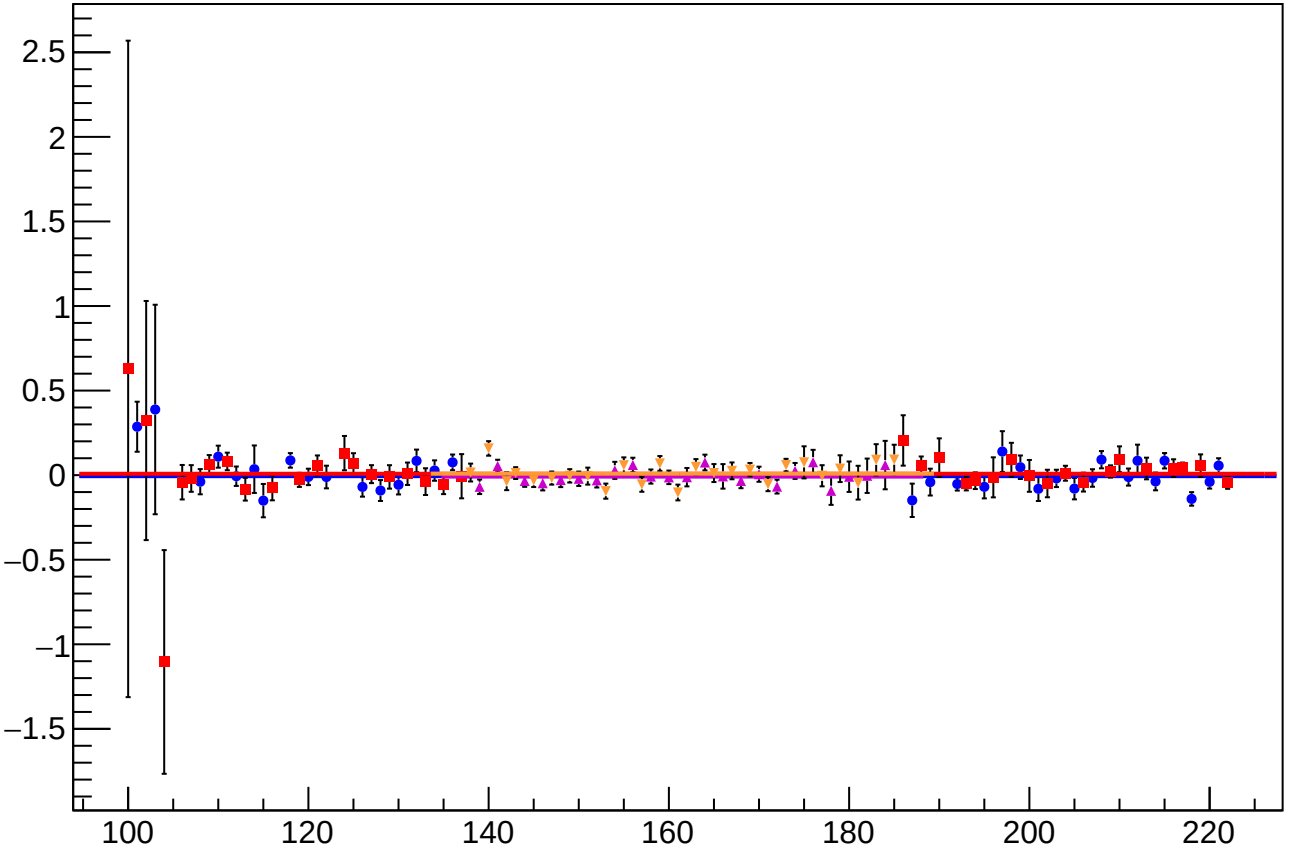
Right: 0.001+/-0.000 χ^2/NDF: 45434222.0/70

In: 0.001+/-0.000 χ^2/NDF:38391819.6/56

Out: 0.001+/-0.000 χ^2/NDF:33648490.9/61

All: 0.001+/-0.000 χ^2/NDF: 72594921.7/118

asym_usr_atr1_dd_eigen_dit_vs_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: 0.008+/-0.010 χ^2/NDF: 29.3/36

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

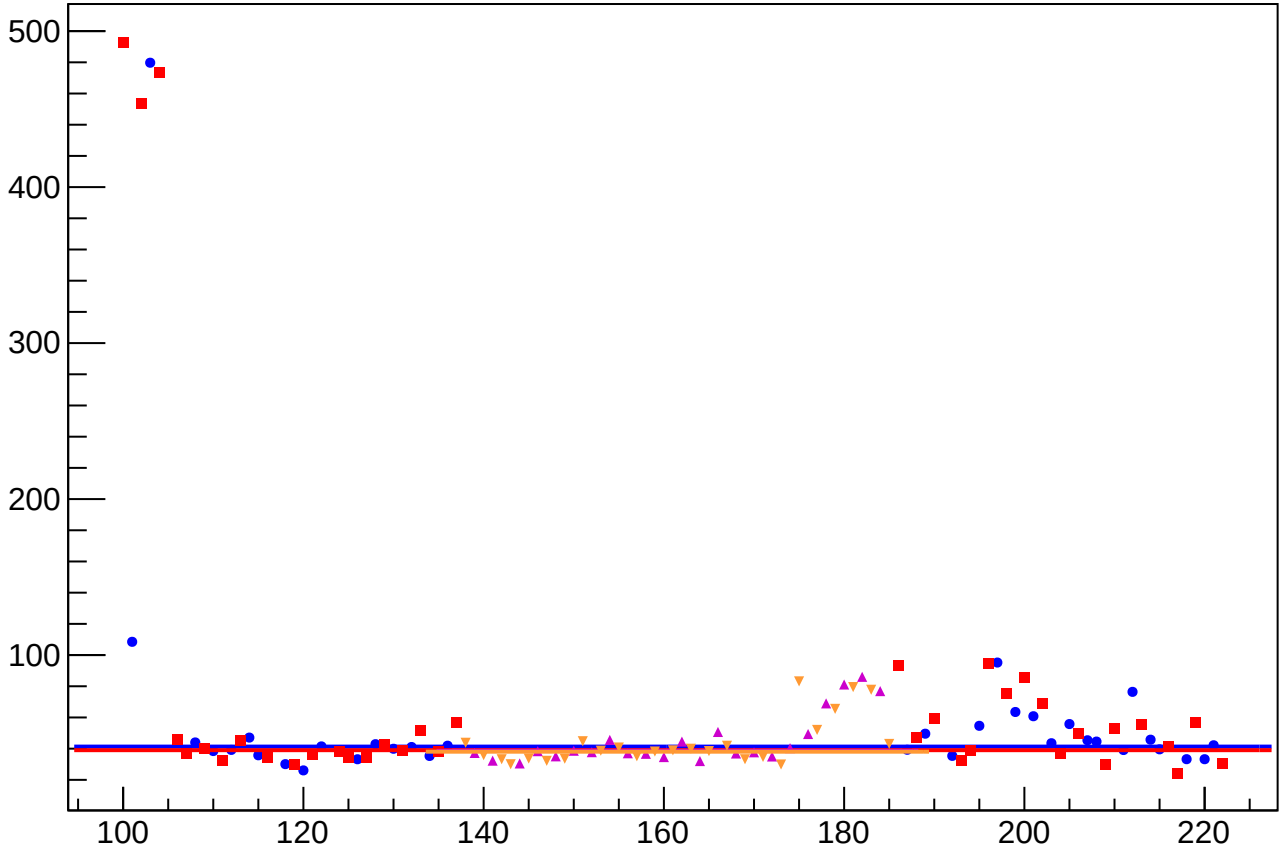
Right: 0.001+/-0.007 χ^2/NDF: 86.2/70

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.008+/-0.007 χ^2/NDF:67.9/61

All: 0.001+/-0.005 χ^2/NDF: 145.1/118

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: 39.030+/-0.007 χ^2/NDF: 4972540.5/36

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

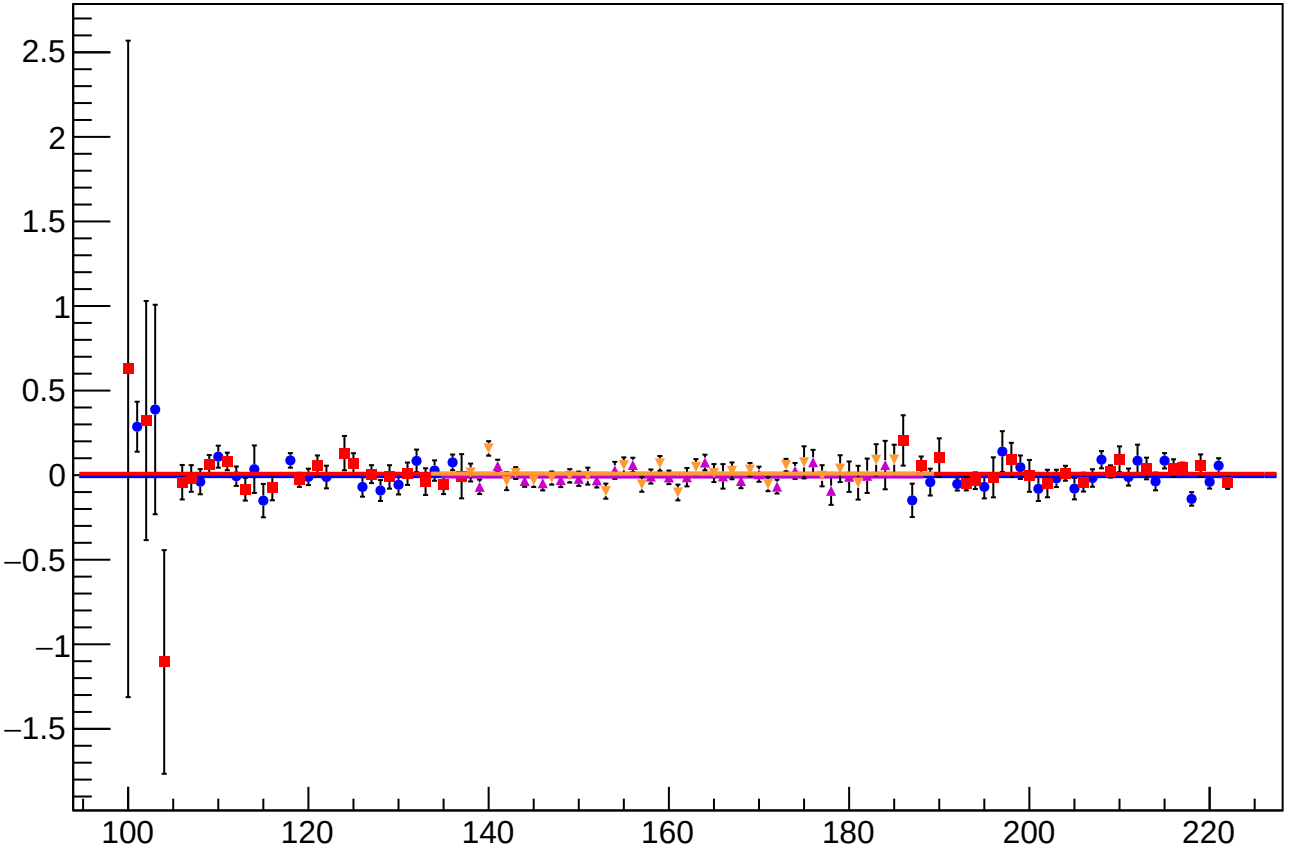
Right: 40.163+/-0.005 χ^2/NDF: 8336492.2/70

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.534+/-0.005 χ^2/NDF:6949477.0/61

All: 39.234+/-0.003 χ^2/NDF: 12103578.1/118

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: 0.008+/-0.010 χ^2/NDF: 29.3/36

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

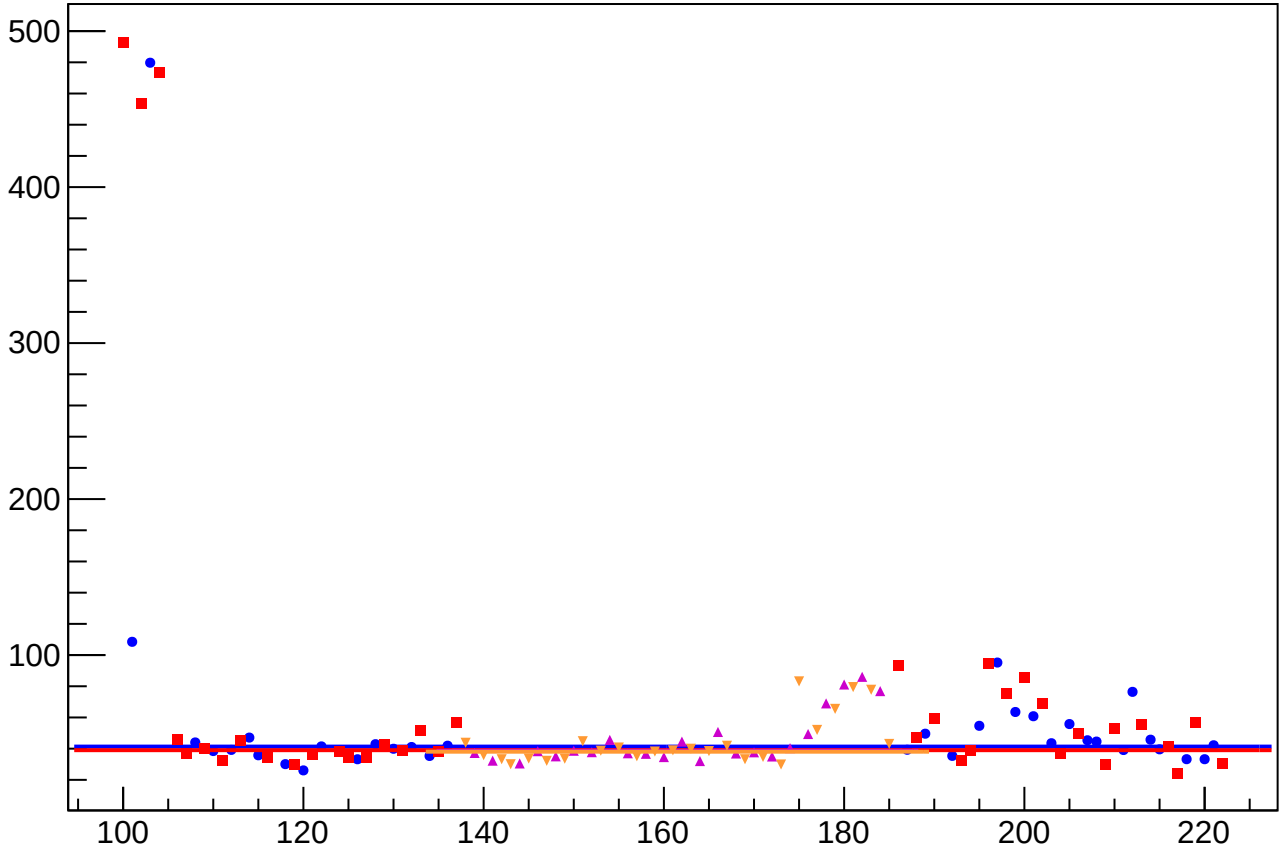
Right: 0.001+/-0.007 χ^2/NDF: 86.2/70

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.008+/-0.007 χ^2/NDF:67.9/61

All: 0.001+/-0.005 χ^2/NDF: 145.1/118

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: 39.030+/-0.007 χ^2/NDF: 4972540.5/36

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

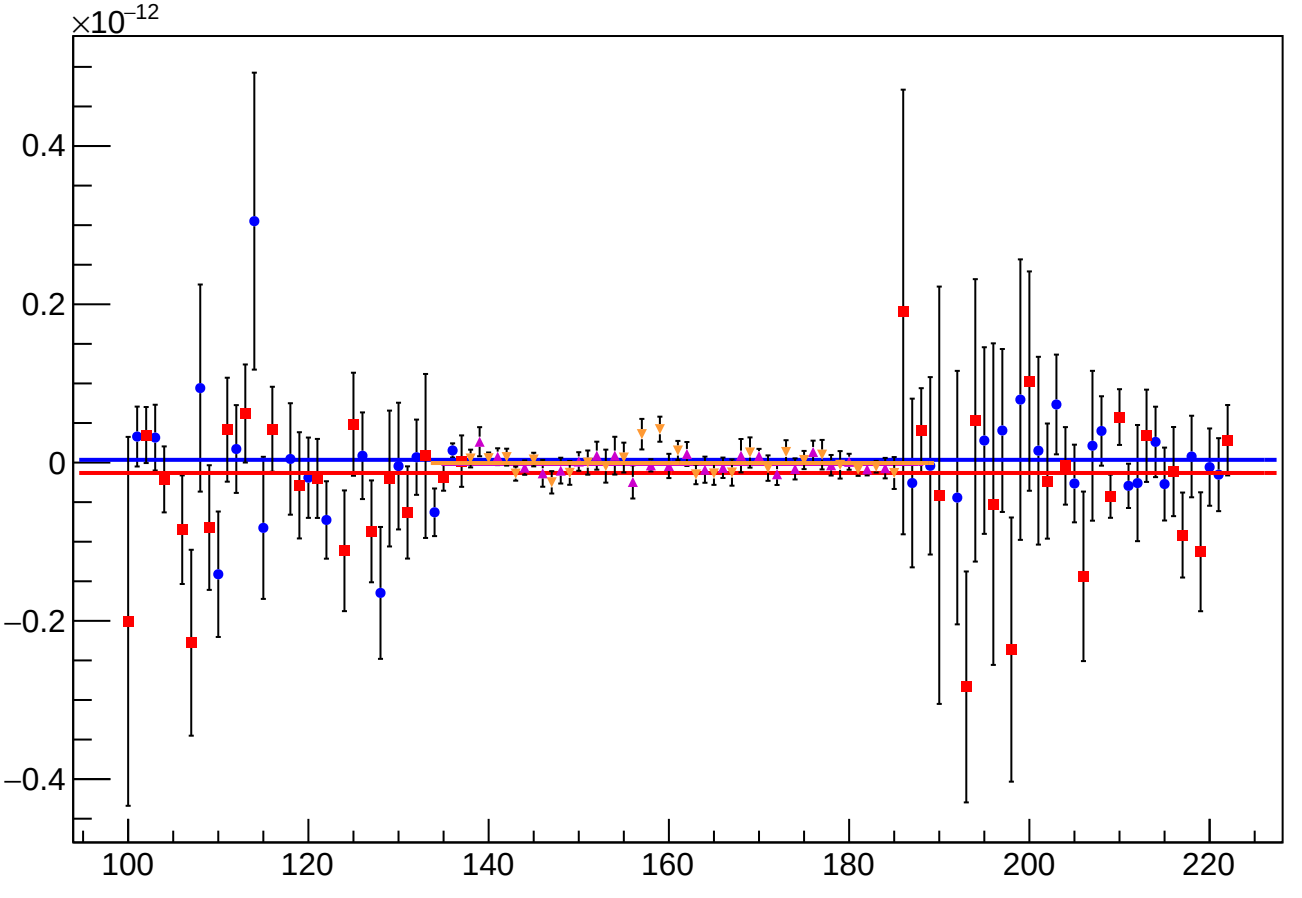
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.163+/-0.005 χ^2/NDF: 8336492.2/70

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.534+/-0.005 χ^2/NDF:6949477.0/61

All: 39.234+/-0.003 χ^2/NDF: 12103578.1/118



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/36

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

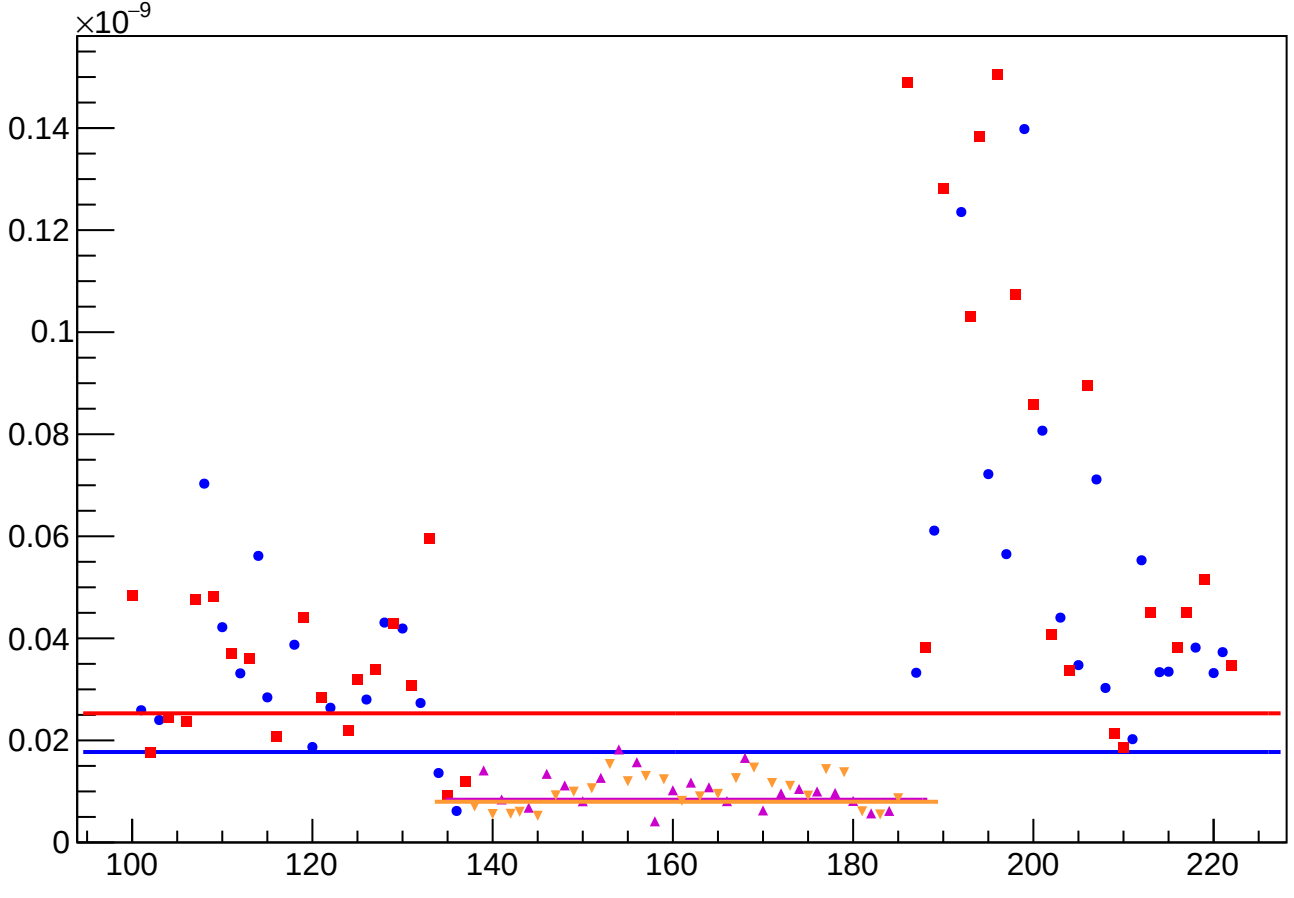
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 65.2/70

In: -0.000+/-0.000 χ^2/NDF:39.2/56

Out: -0.000+/-0.000 χ^2/NDF:64.7/61

All: -0.000+/-0.000 χ^2/NDF: 103.9/118



Right In: 0.000+/-0.000 χ^2/NDF: 11737408.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8921272.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

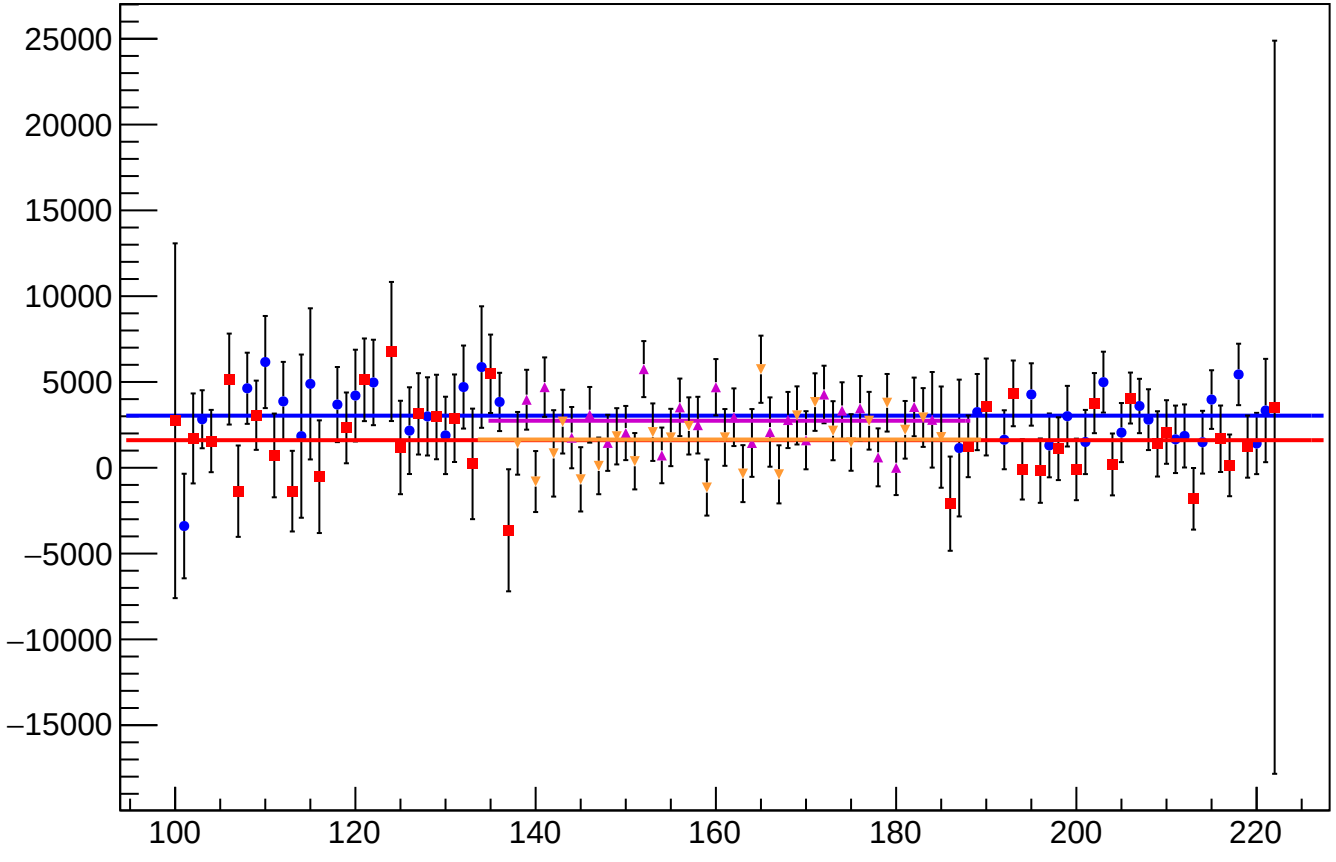
Right: 0.000+/-0.000 χ^2/NDF: 21659325.9/70

In: 0.000+/-0.000 χ^2/NDF:18006731.5/56

Out: 0.000+/-0.000 χ^2/NDF:19532390.2/61

All: 0.000+/-0.000 χ^2/NDF: 37558703.7/118

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 1607.610+/-357.987 χ^2/NDF: 32.3/36

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

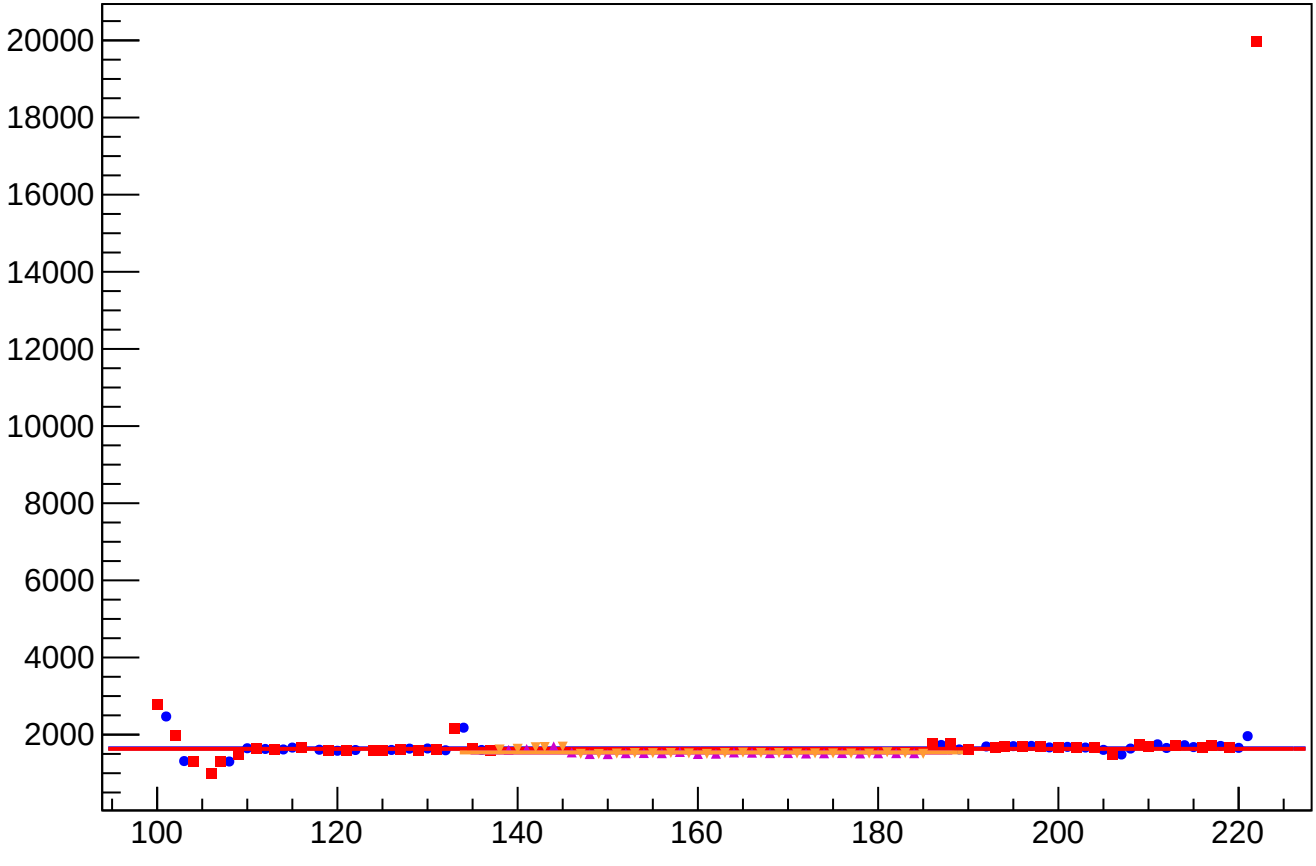
Right: 2325.479+/-252.567 χ^2/NDF: 58.8/70

In: 2889.787+/-252.732 χ^2/NDF:35.3/56

Out: 1627.457+/-250.175 χ^2/NDF:53.3/61

All: 2252.205+/-177.798 χ^2/NDF: 101.3/118

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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: 1631.103+/-0.252 χ^2/NDF: 1958249.7/36

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

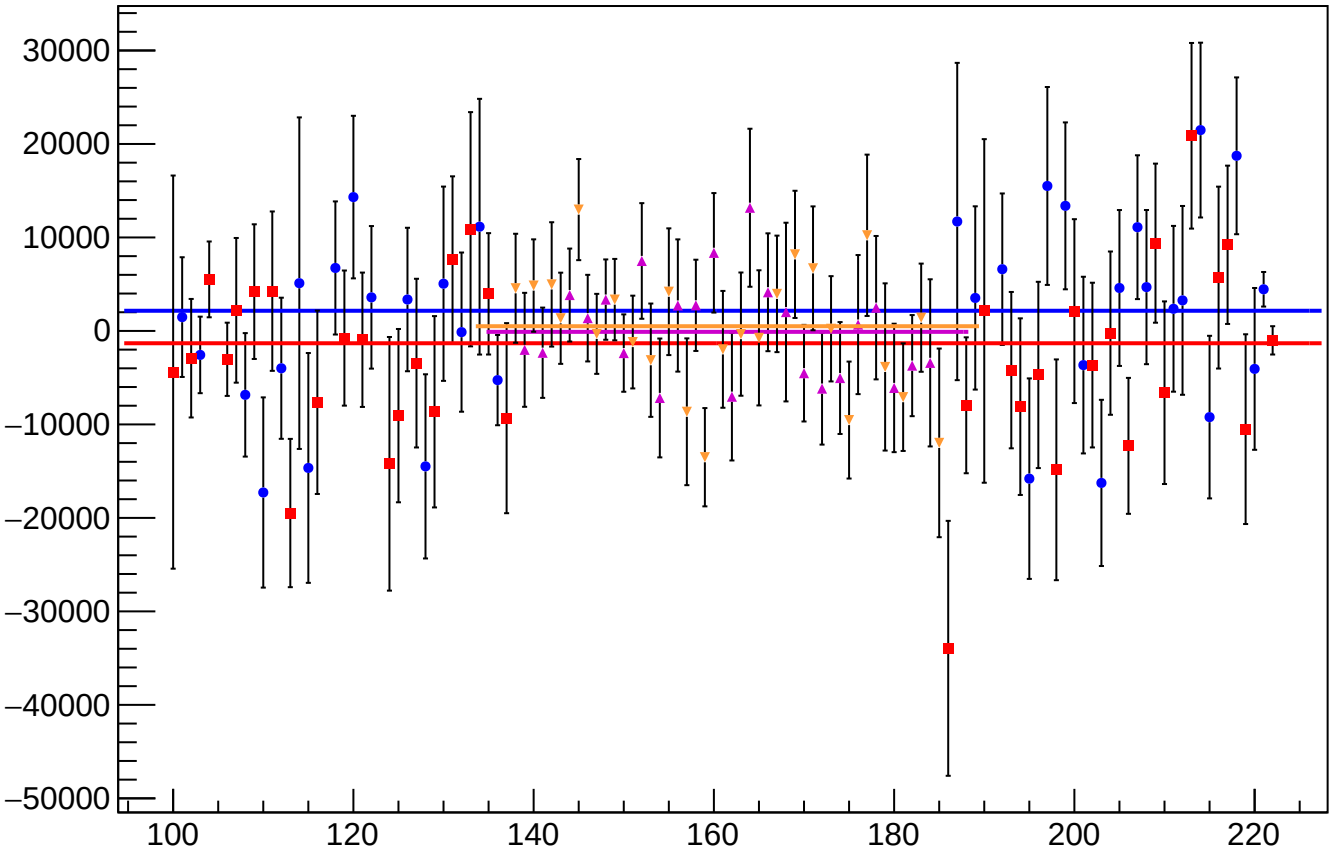
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1637.936+/-0.178 χ^2/NDF: 2352898.2/70

In: 1590.024+/-0.179 χ^2/NDF:519315.1/56

Out: 1584.174+/-0.176 χ^2/NDF:2073756.8/61

All: 1587.060+/-0.126 χ^2/NDF: 2593614.6/11



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: -1317.369+/-1005.645 χ^2/NDF: 36.4/36

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

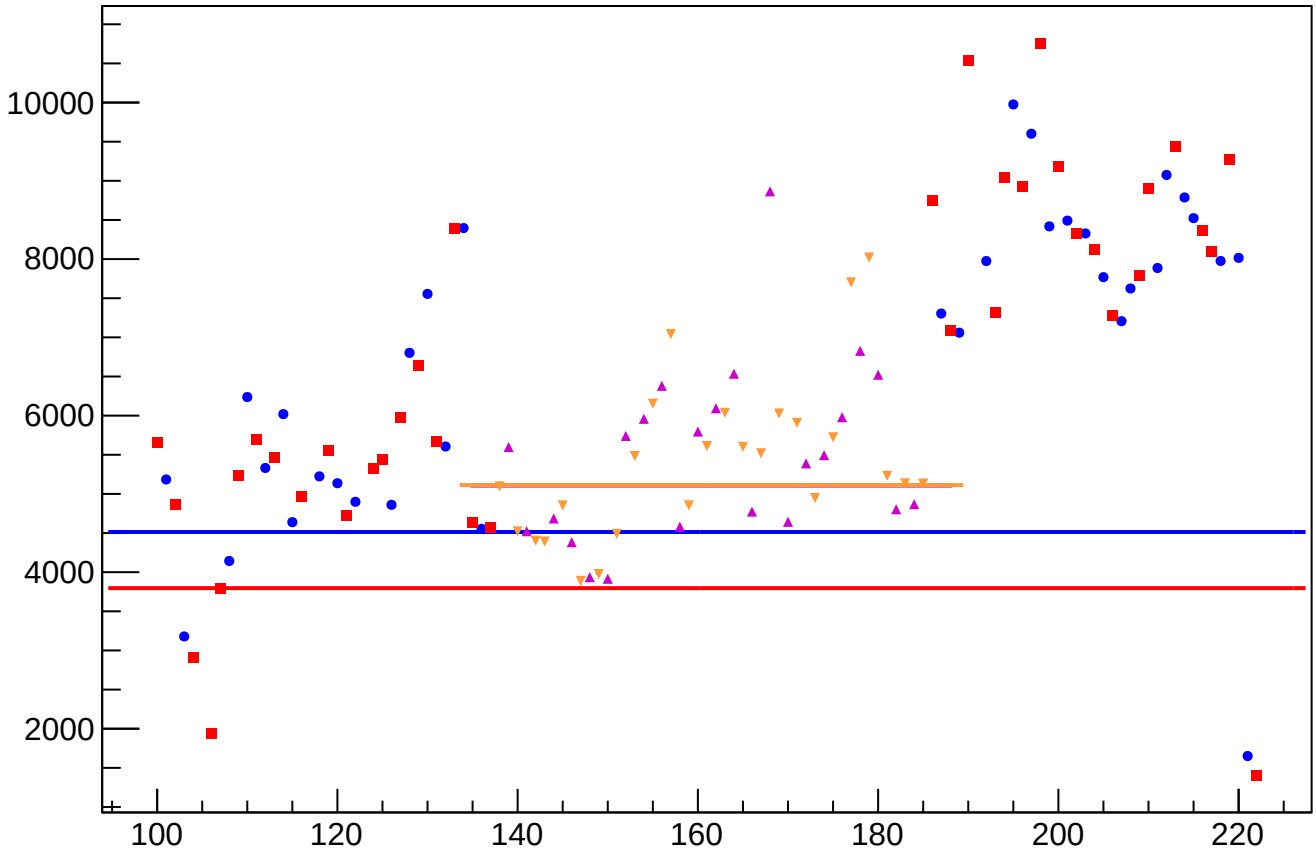
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: 224.730+/-750.047 χ^2/NDF: 84.1/70

In: 1118.070+/-826.678 χ^2/NDF:59.1/56

Out: -556.599+/-767.376 χ^2/NDF:64.5/61

All: 218.520+/-562.414 χ^2/NDF: 125.9/118



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: 3795.930+/-0.711 χ^2/NDF: 15223349.5/36

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

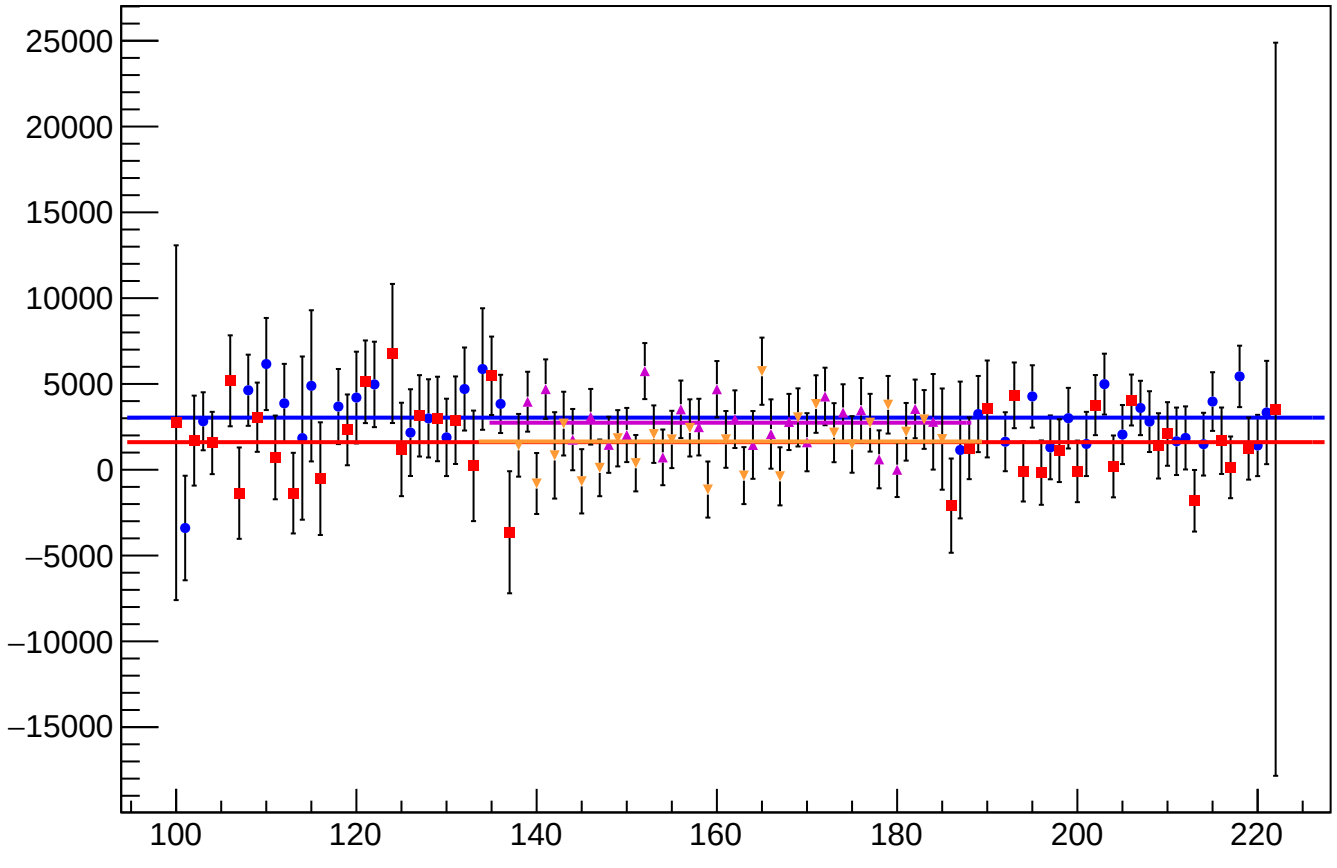
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4114.308+/-0.530 χ^2/NDF: 26995226.1/70

In: 4786.771+/-0.585 χ^2/NDF:12827401.2/56

Out: 4346.086+/-0.543 χ^2/NDF:17815274.8/61

All: 4550.057+/-0.398 χ^2/NDF: 30947964.3/1



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.656+/-357.988 χ^2/NDF: 32.3/36

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

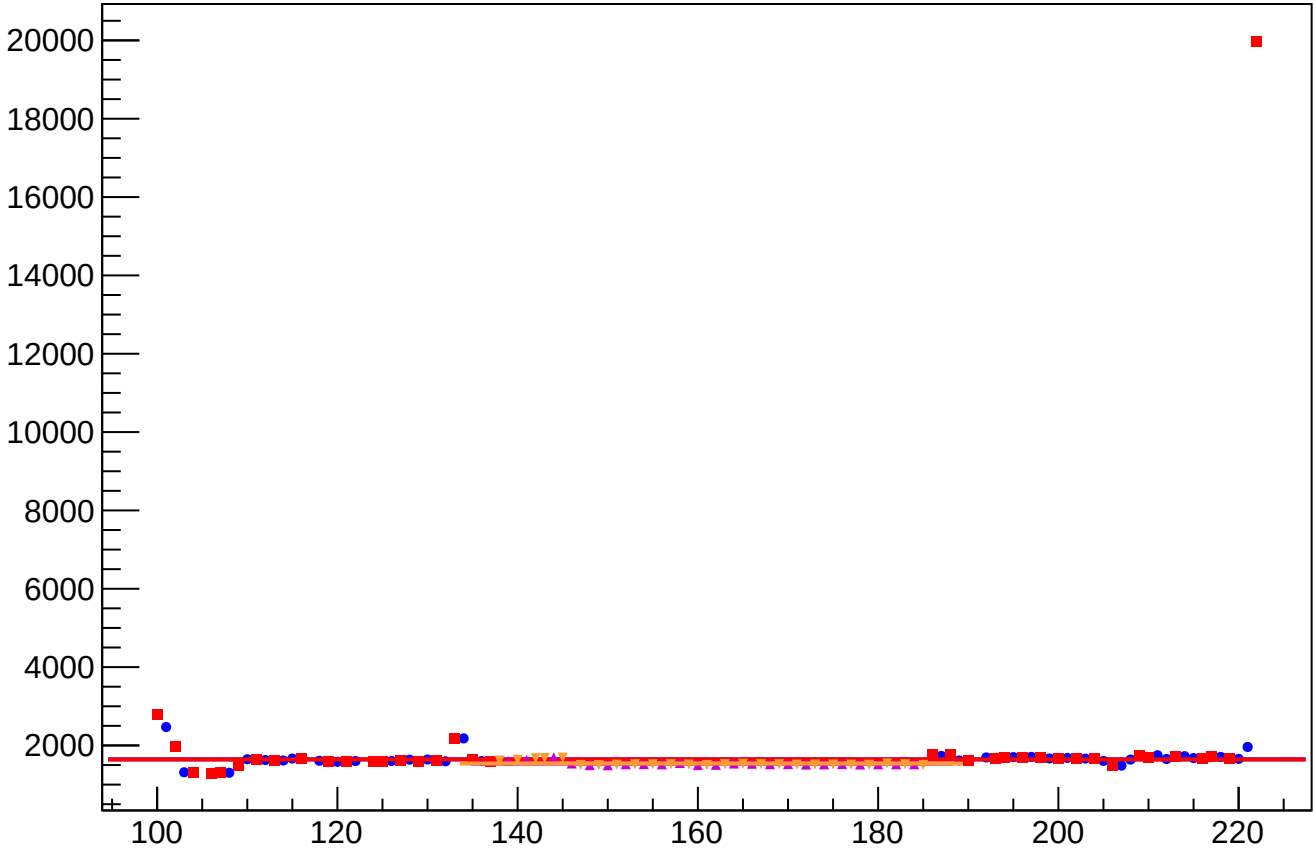
Right: 2325.443+/-252.567 χ^2/NDF: 58.9/70

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1627.424+/-250.175 χ^2/NDF:53.4/61

All: 2252.135+/-177.798 χ^2/NDF: 101.3/118

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: 1643.539+/-0.253 χ^2/NDF: 1796216.5/36

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

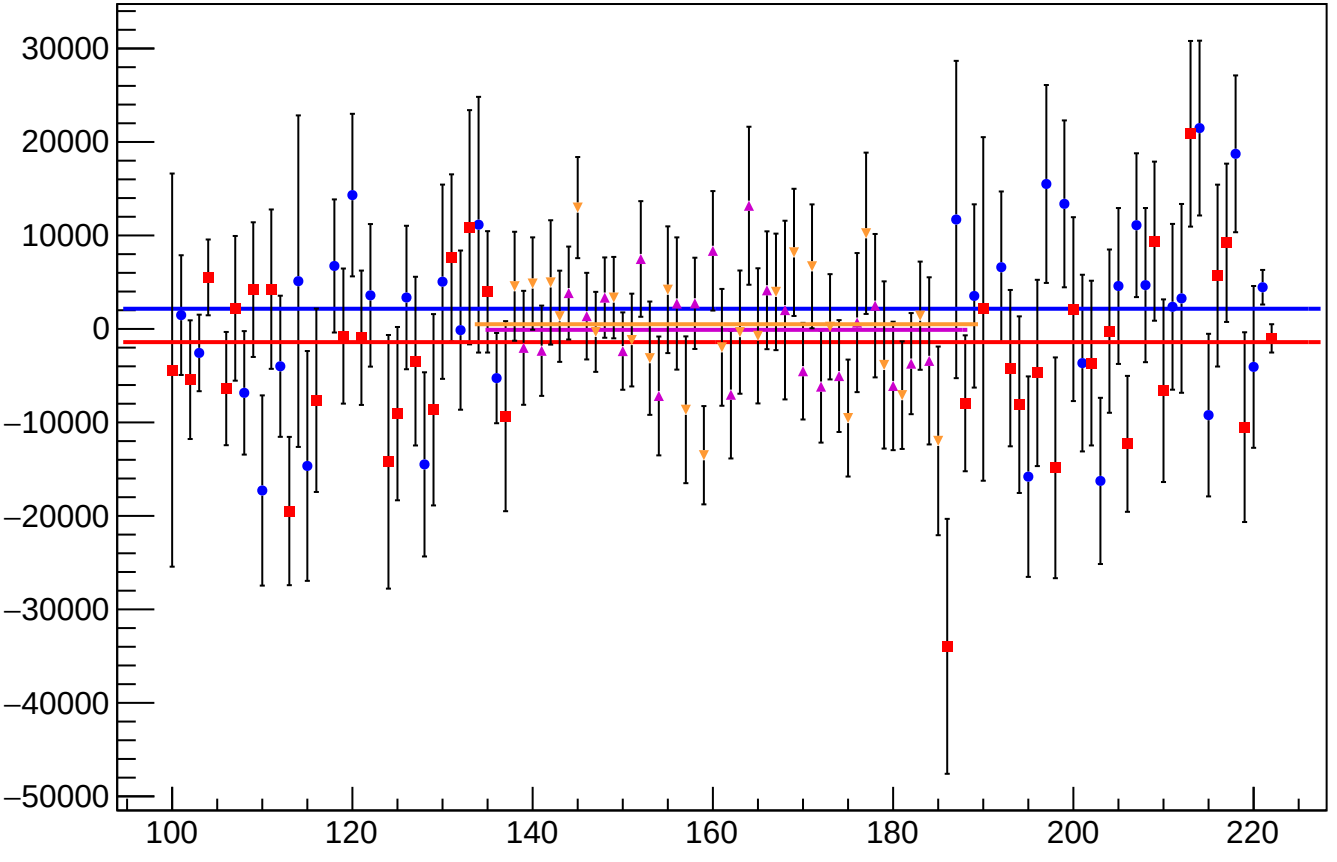
Right: 1644.168+/-0.178 χ^2/NDF: 2189397.9/70

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1590.034+/-0.177 χ^2/NDF:1930979.6/61

All: 1590.029+/-0.126 χ^2/NDF: 2450293.9/11

asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected



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: -1410.647+/-1025.498 χ^2/NDF: 37.2/36

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

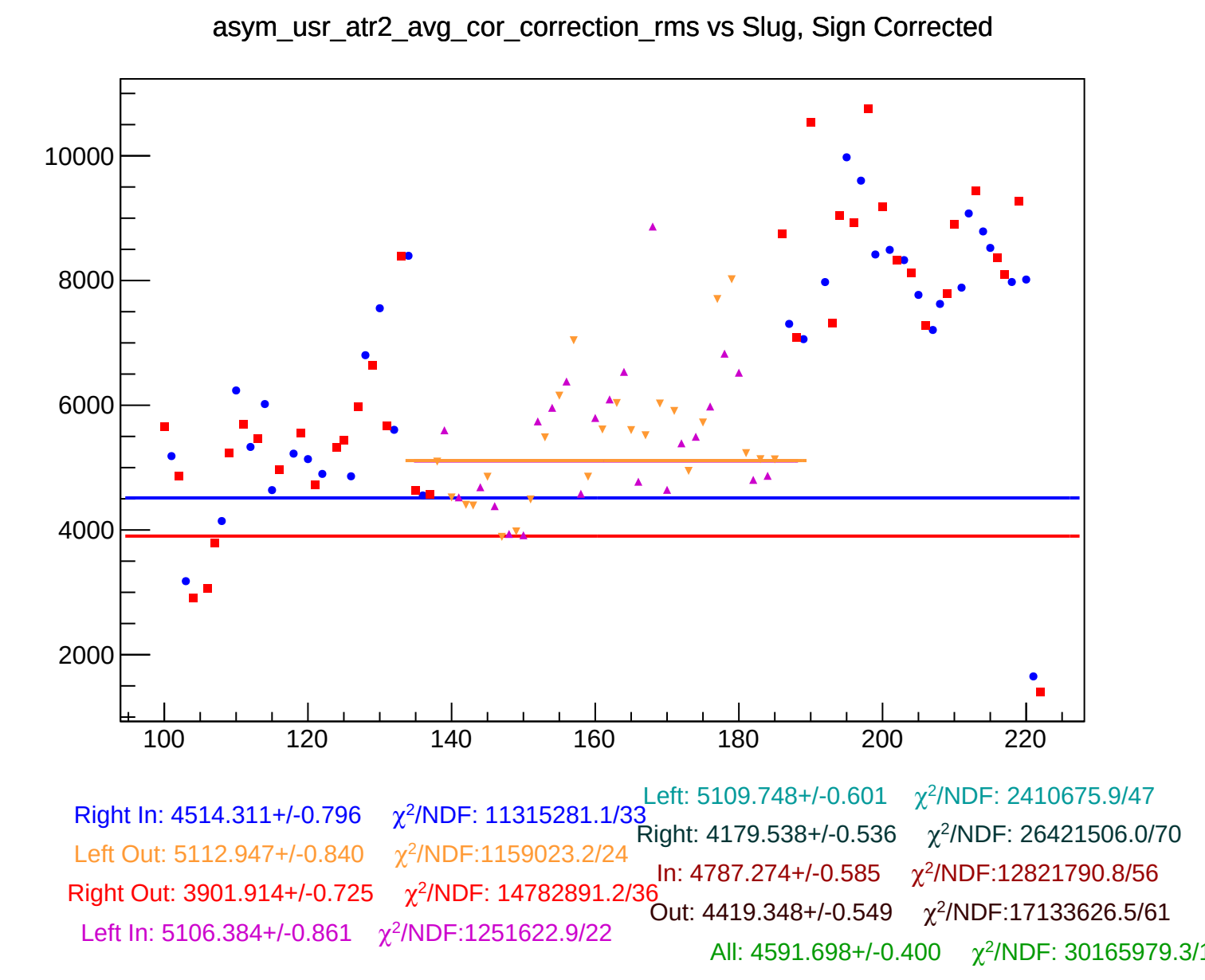
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

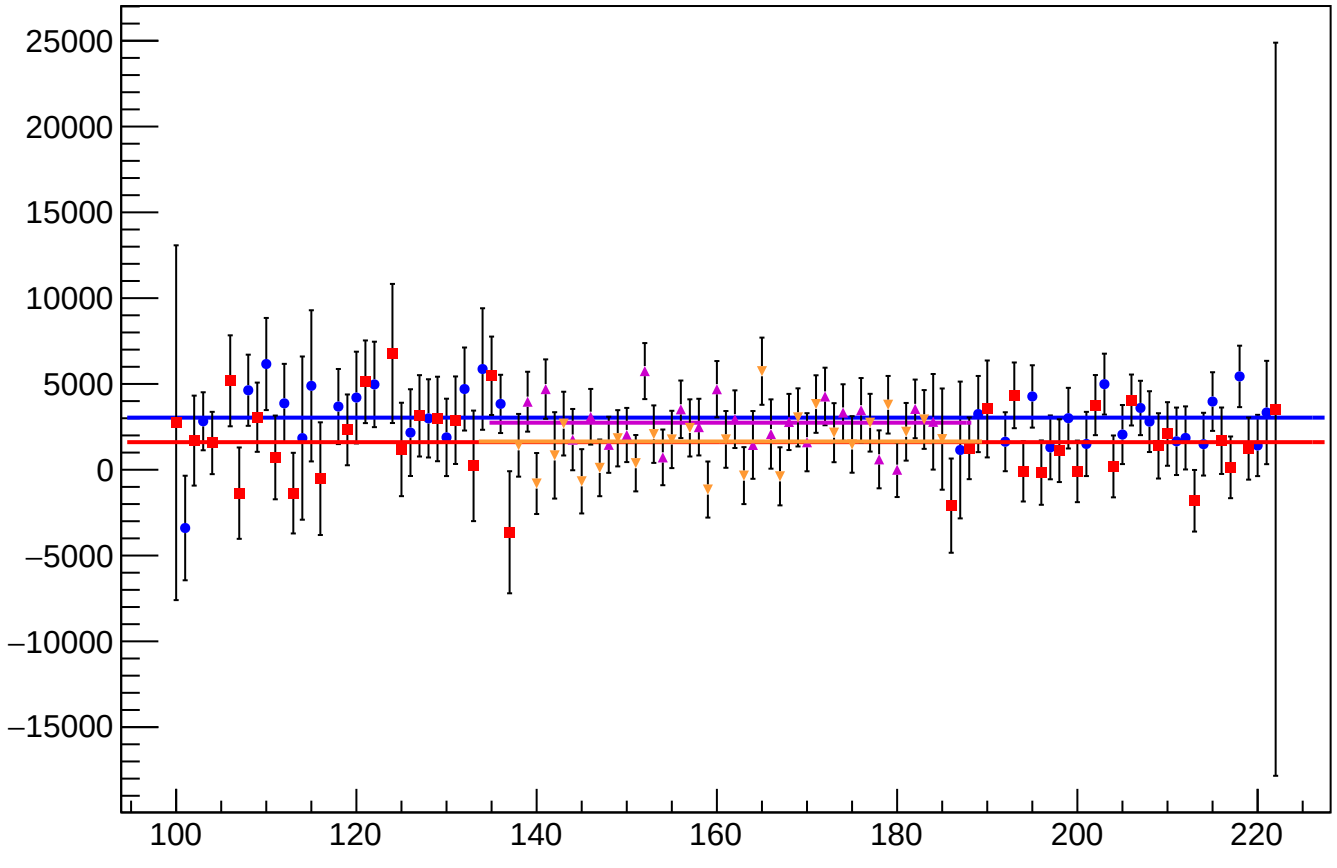
Right: 207.735+/-758.216 χ^2/NDF: 85.1/70

In: 1118.627+/-826.729 χ^2/NDF:59.2/56

Out: -592.646+/-776.088 χ^2/NDF:65.5/61

All: 208.976+/-565.833 χ^2/NDF: 126.9/118


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4514.311+/-0.796 χ²/NDF: 11315281.1/33
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 3901.914+/-0.725 χ²/NDF: 14782891.2/36
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4179.538+/-0.536 χ²/NDF: 26421506.0/70
In: 4787.274+/-0.585 χ²/NDF:12821790.8/56
Out: 4419.348+/-0.549 χ²/NDF:17133626.5/61
All: 4591.698+/-0.400 χ²/NDF: 30165979.3/1



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.656+/-357.988 χ^2/NDF: 32.3/36

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

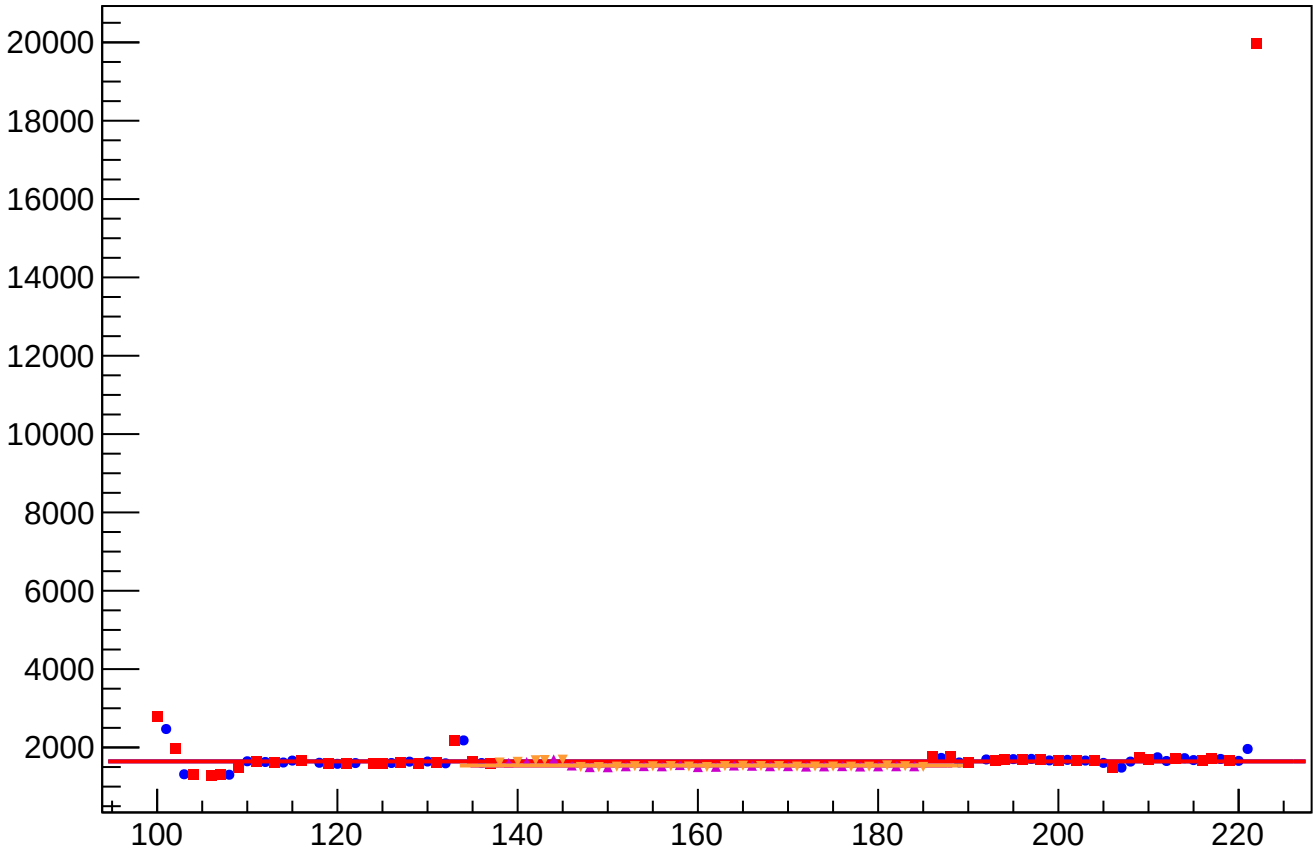
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2325.443+/-252.567 χ^2/NDF: 58.9/70

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1627.424+/-250.175 χ^2/NDF:53.4/61

All: 2252.135+/-177.798 χ^2/NDF: 101.3/118



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: 1643.539+/-0.253 χ^2/NDF: 1796216.5/36

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

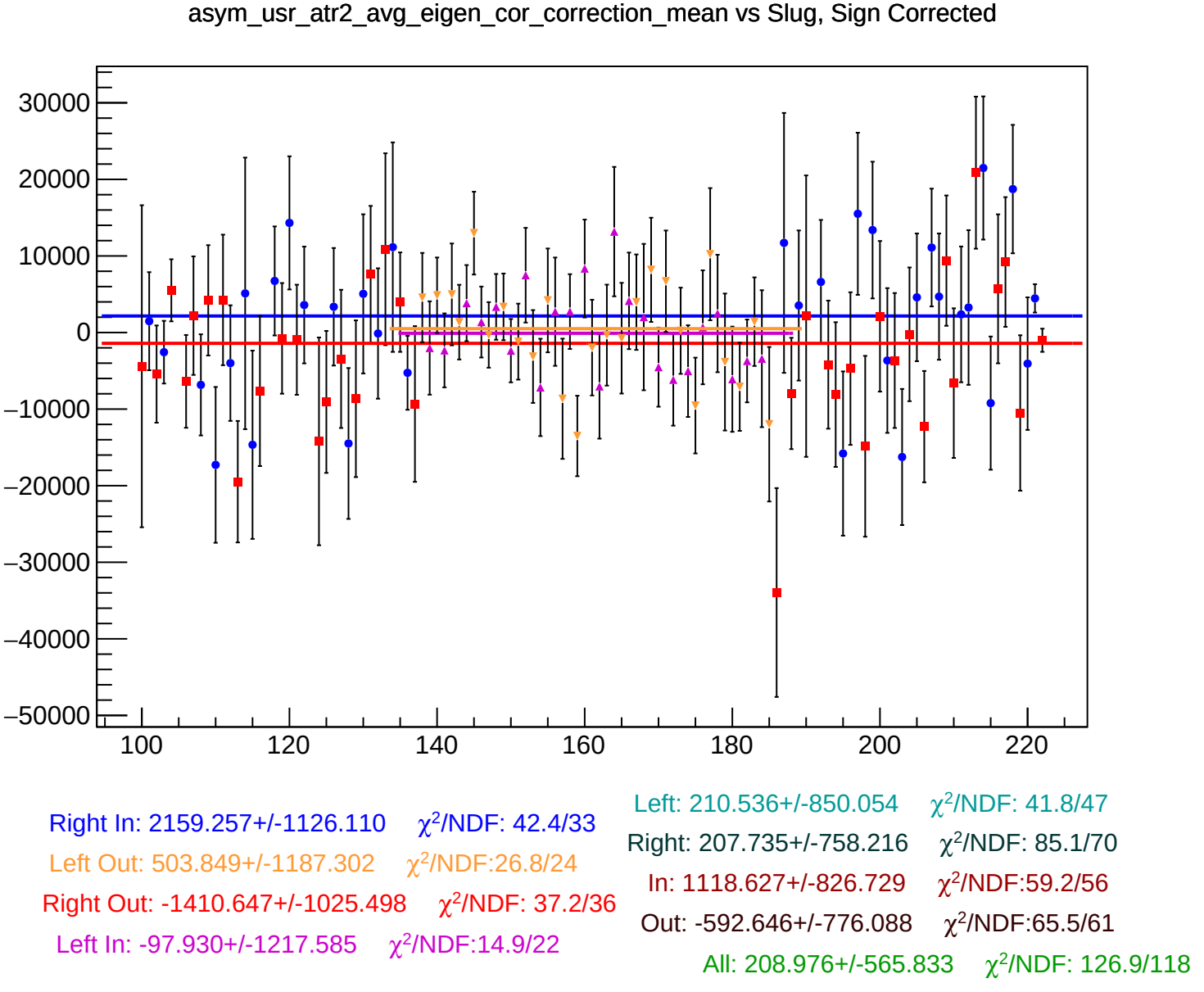
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

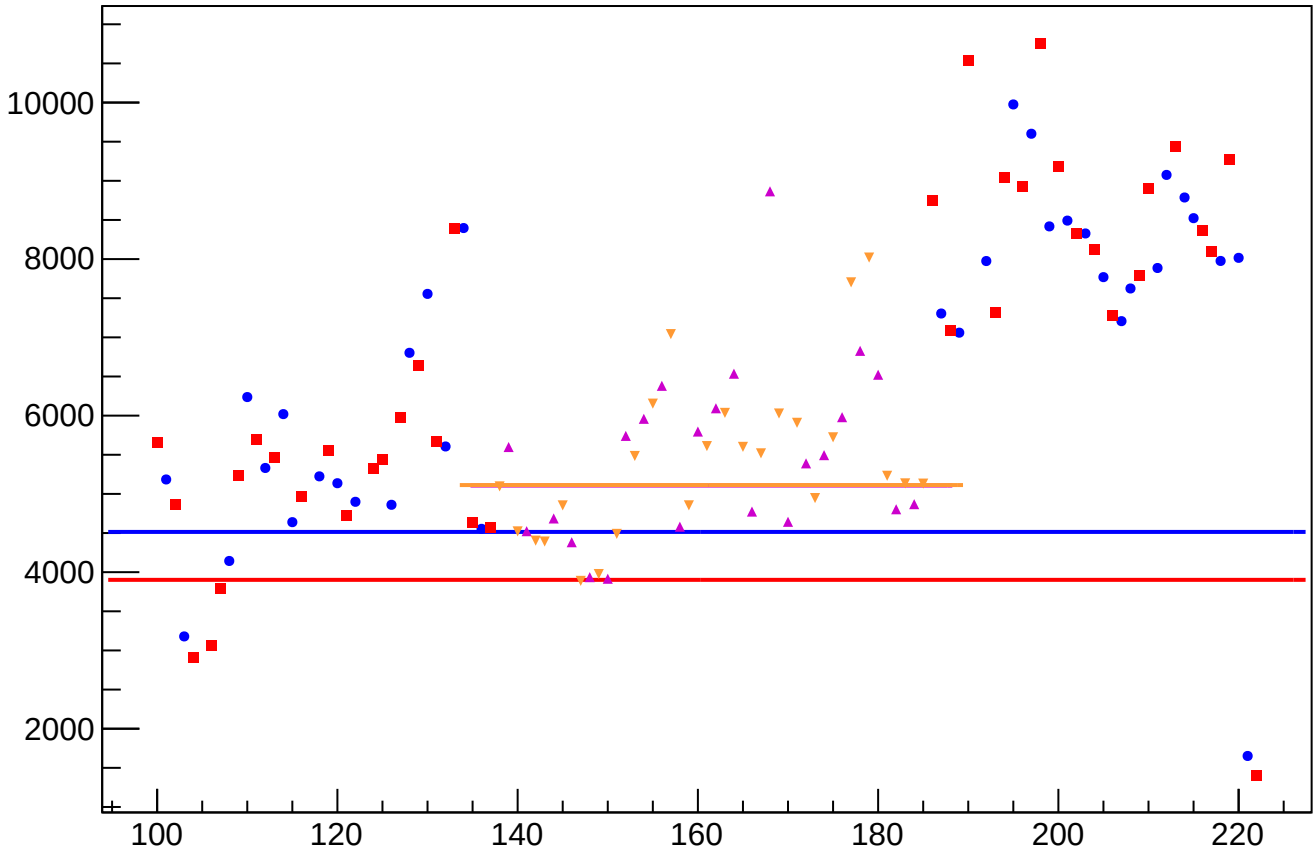
Right: 1644.168+/-0.178 χ^2/NDF: 2189397.9/70

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1590.034+/-0.177 χ^2/NDF:1930979.6/61

All: 1590.029+/-0.126 χ^2/NDF: 2450293.9/11


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 2159.257+/-1126.110 χ²/NDF: 42.4/33
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -1410.647+/-1025.498 χ²/NDF: 37.2/36
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: 207.735+/-758.216 χ²/NDF: 85.1/70
In: 1118.627+/-826.729 χ²/NDF:59.2/56
Out: -592.646+/-776.088 χ²/NDF:65.5/61
All: 208.976+/-565.833 χ²/NDF: 126.9/118



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: 3901.914+/-0.725 χ^2/NDF: 14782891.2/36

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

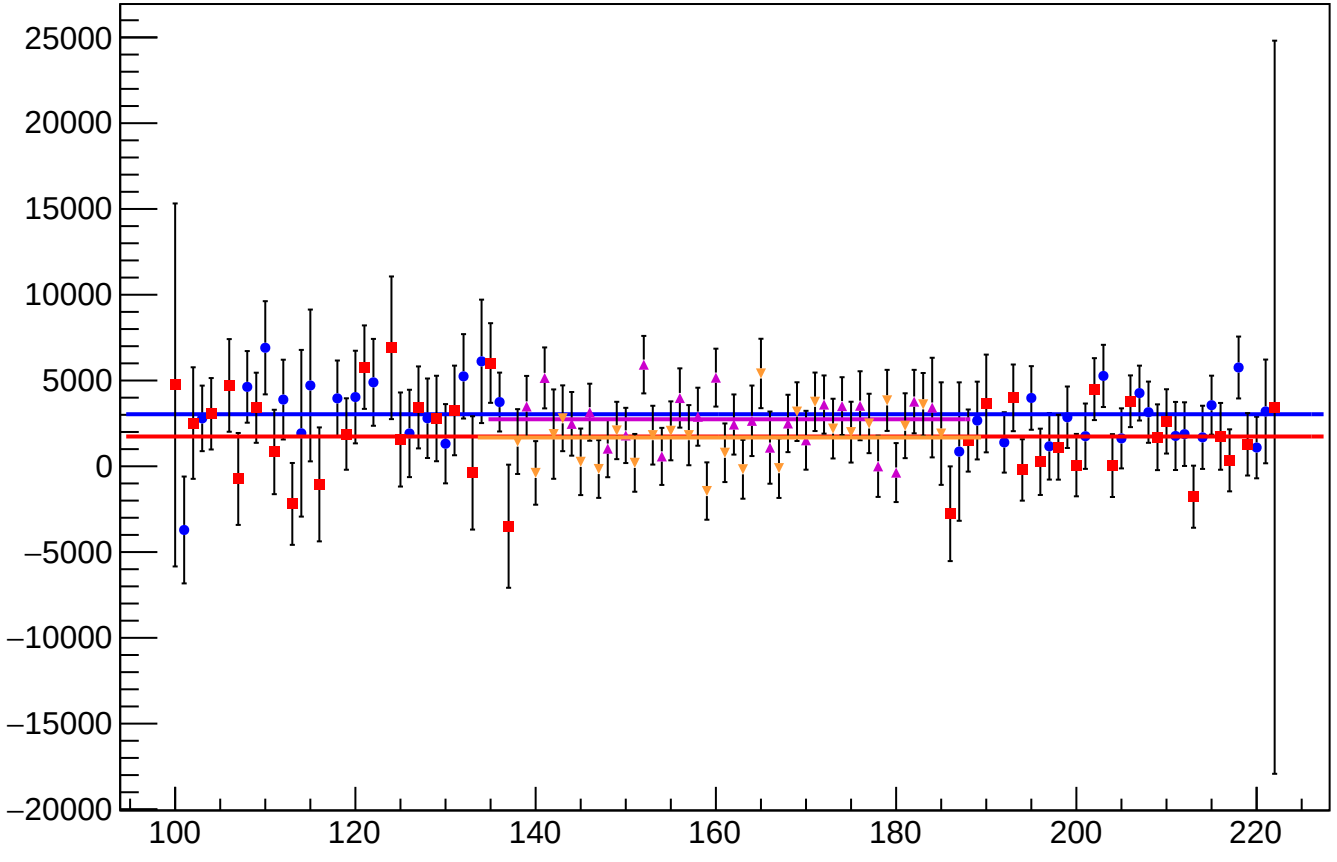
Right: 4179.538+/-0.536 χ^2/NDF: 26421506.0/70

In: 4787.274+/-0.585 χ^2/NDF:12821790.8/56

Out: 4419.348+/-0.549 χ^2/NDF:17133626.5/61

All: 4591.698+/-0.400 χ^2/NDF: 30165979.3/1

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 1736.260+/-365.697 χ^2/NDF: 35.0/36

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

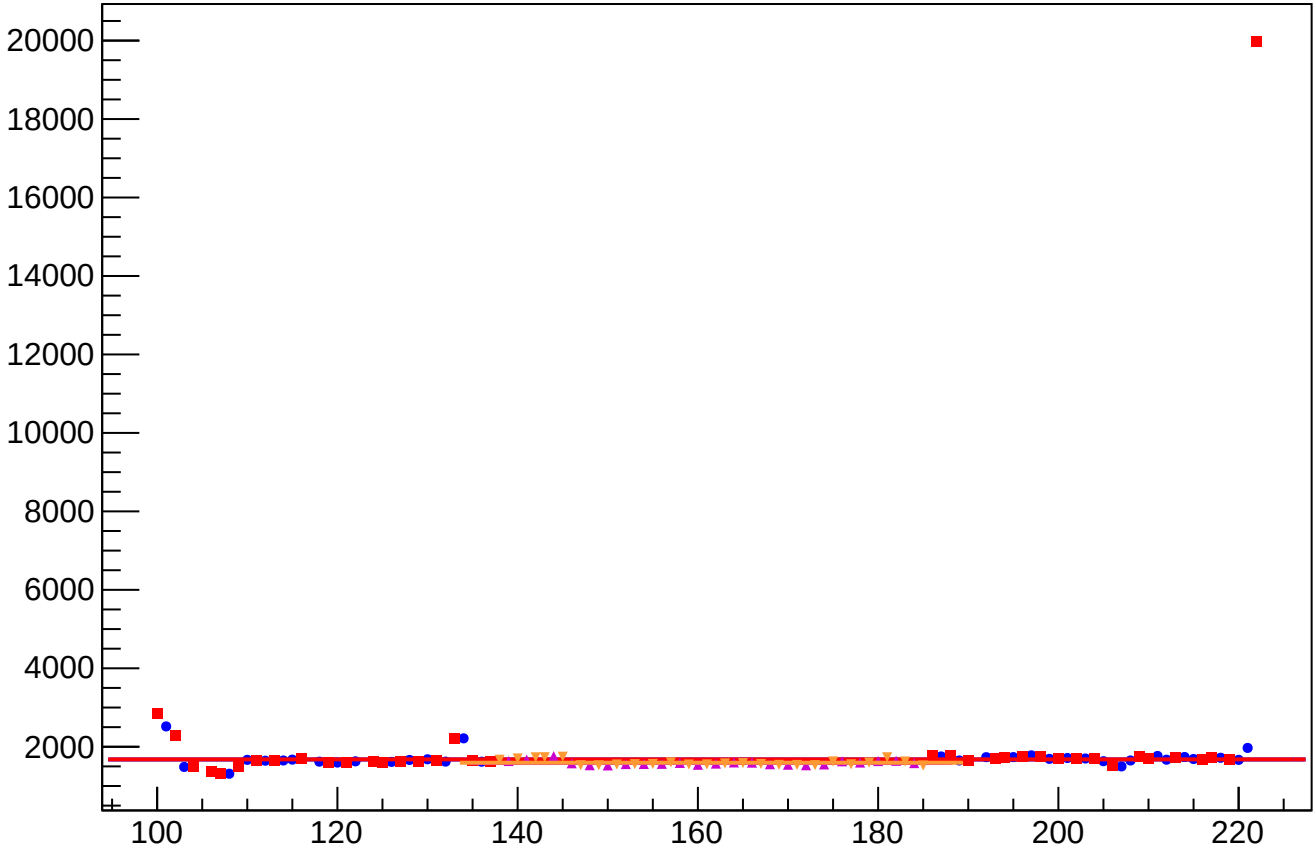
Right: 2390.253+/-257.612 χ^2/NDF: 62.8/70

In: 2890.634+/-259.310 χ^2/NDF:41.0/56

Out: 1707.452+/-257.410 χ^2/NDF:54.0/61

All: 2294.692+/-182.685 χ^2/NDF: 105.4/118

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: 1678.259+/-0.259 χ^2/NDF: 1767139.1/36

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

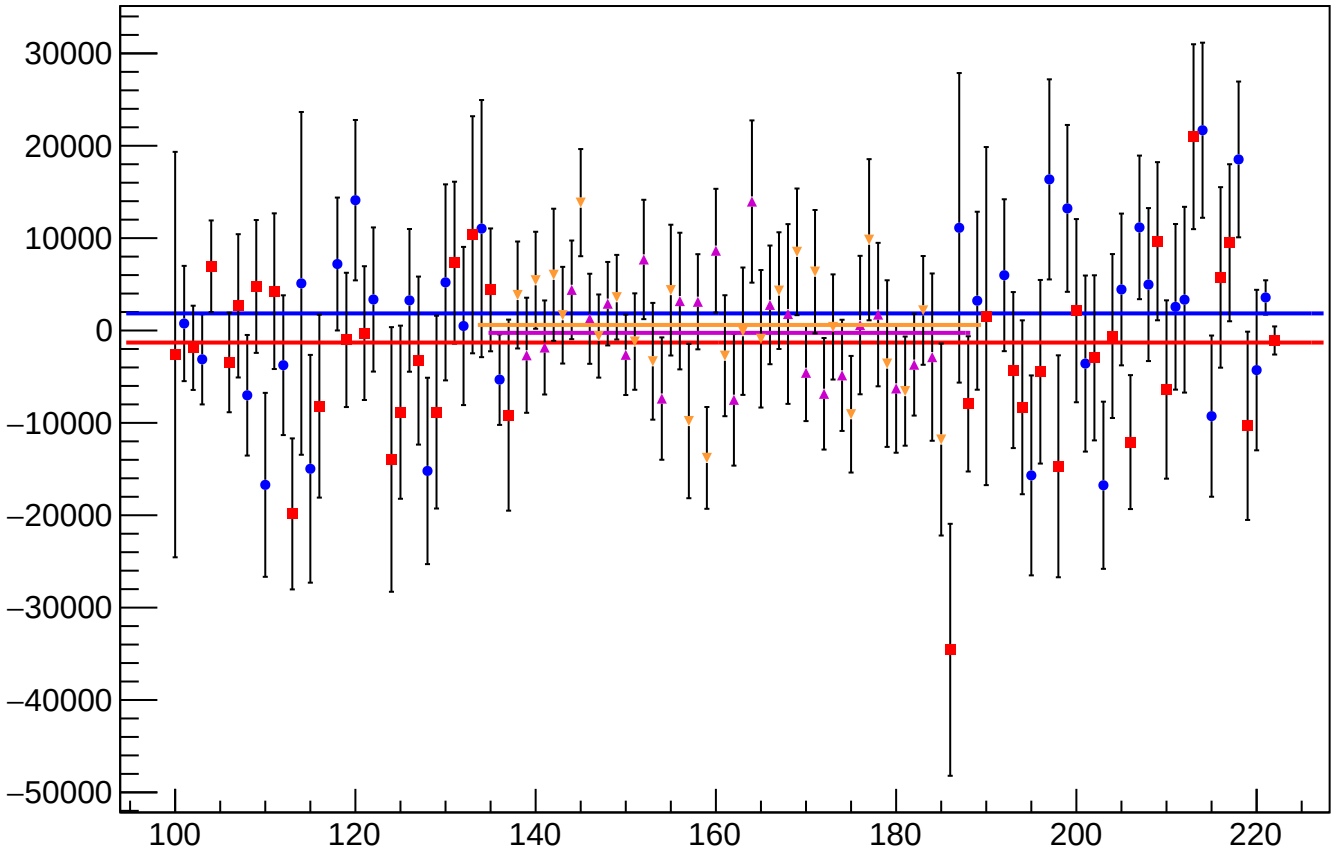
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1677.034+/-0.182 χ^2/NDF: 2112686.3/70

In: 1631.809+/-0.183 χ^2/NDF:447499.1/56

Out: 1635.451+/-0.182 χ^2/NDF:1893383.6/61

All: 1633.644+/-0.129 χ^2/NDF: 2341081.4/11



Right In: 1851.425+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1304.358+/-1025.553 χ^2/NDF: 36.1/36

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

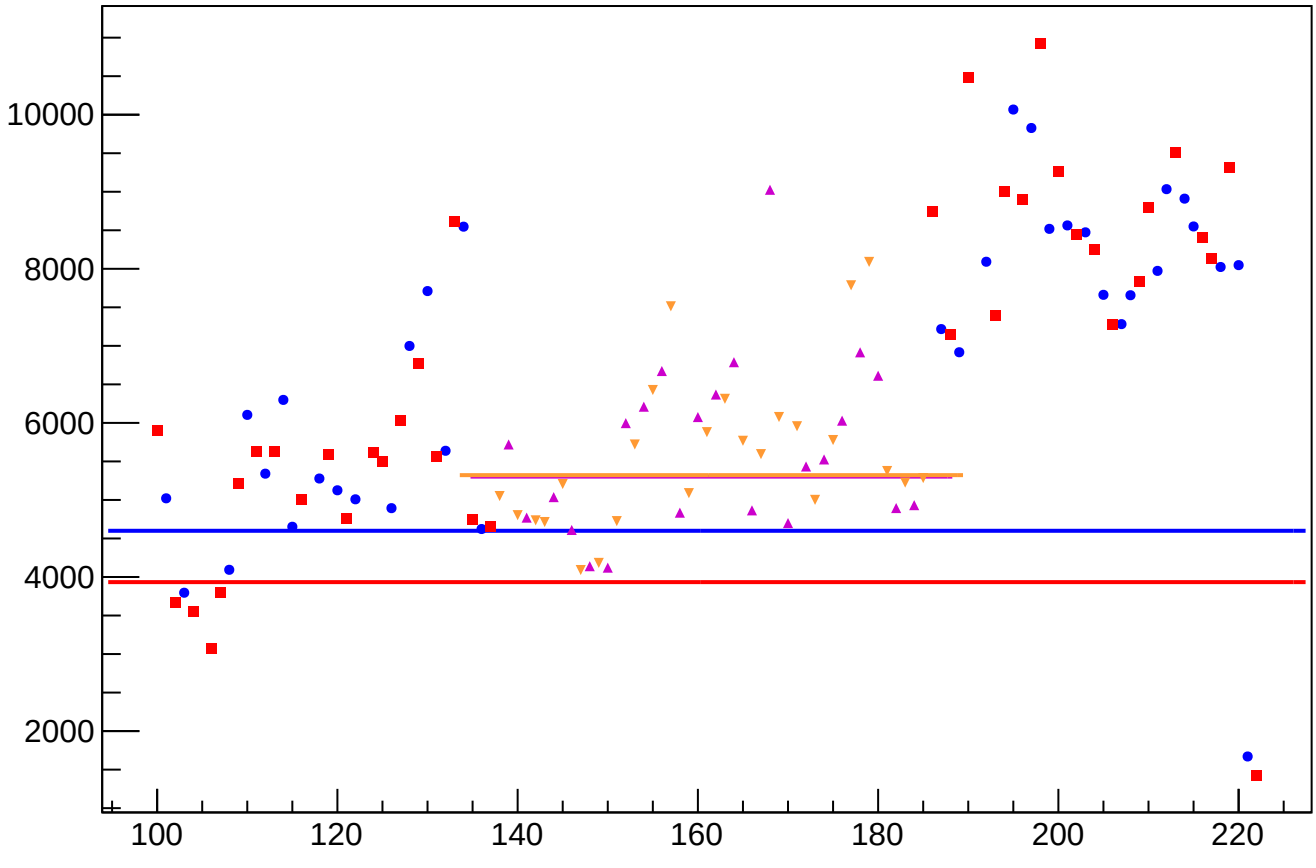
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: 101.362+/-763.715 χ^2/NDF: 81.5/70

In: 901.102+/-847.886 χ^2/NDF:57.3/56

Out: -525.303+/-788.610 χ^2/NDF:63.6/61

All: 136.301+/-577.451 χ^2/NDF: 122.4/118



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: 3933.476+/-0.725 χ^2/NDF: 14604278.6/36

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

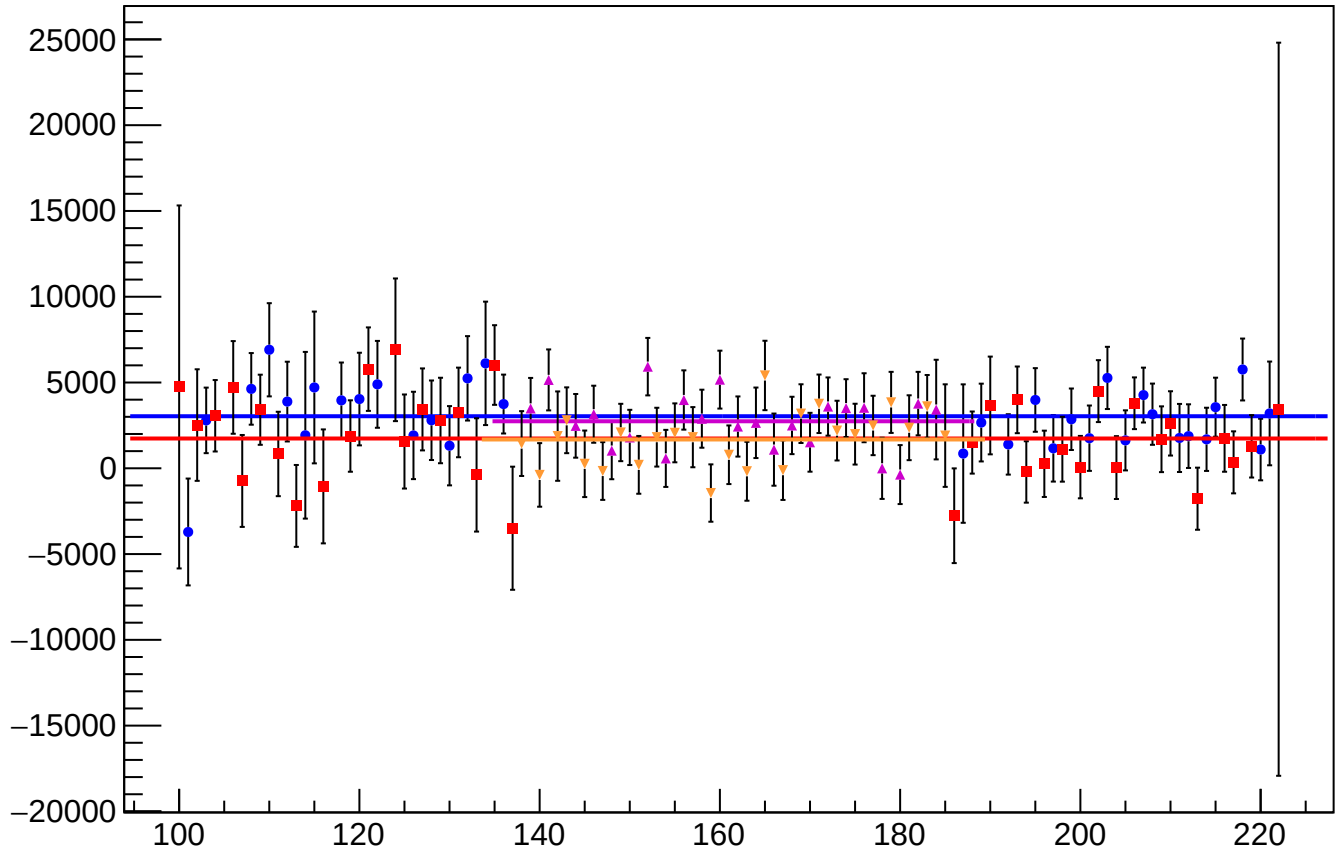
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 4230.269+/-0.540 χ^2/NDF: 26127314.9/70

In: 4916.828+/-0.600 χ^2/NDF:12639873.3/56

Out: 4500.948+/-0.558 χ^2/NDF:17139583.0/61

All: 4693.844+/-0.408 χ^2/NDF: 30037442.8/1



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: 1736.264+/-365.697 χ^2/NDF: 35.0/36

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

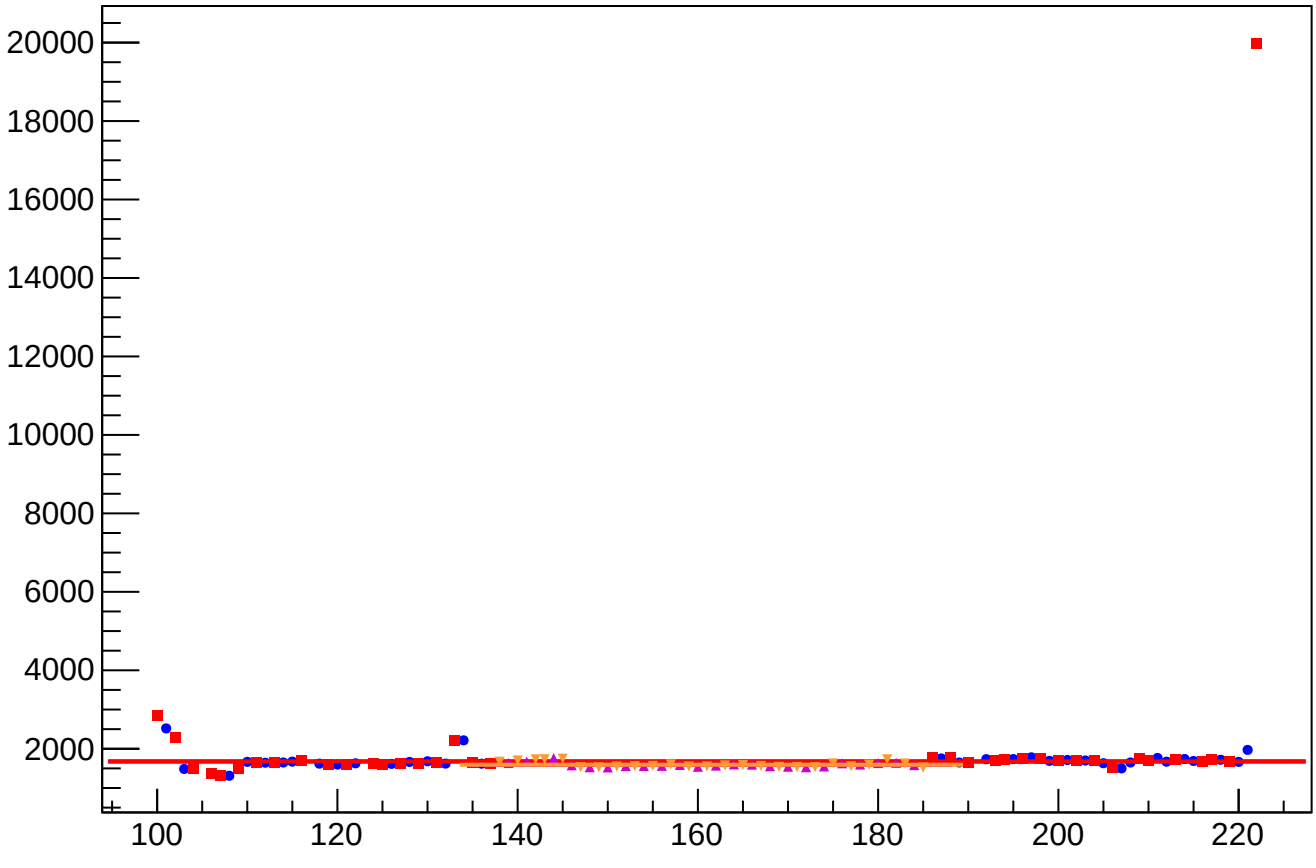
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2390.252+/-257.612 χ^2/NDF: 62.8/70

In: 2890.631+/-259.310 χ^2/NDF:41.0/56

Out: 1707.451+/-257.410 χ^2/NDF:54.0/61

All: 2294.690+/-182.685 χ^2/NDF: 105.4/118



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: 1678.259+/-0.259 χ^2/NDF: 1767139.1/36

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

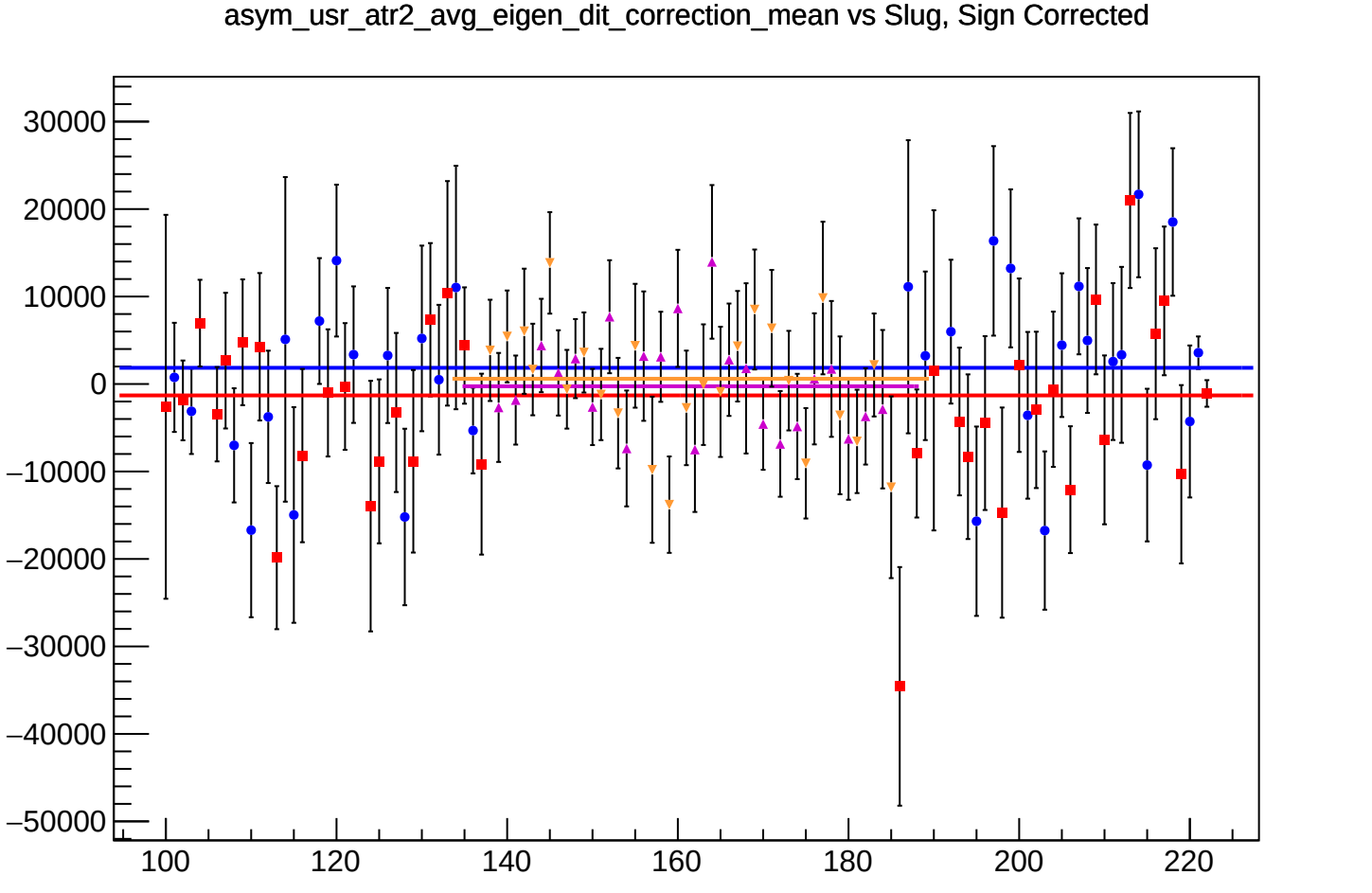
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1677.034+/-0.182 χ^2/NDF: 2112686.8/70

In: 1631.810+/-0.183 χ^2/NDF:447497.6/56

Out: 1635.452+/-0.182 χ^2/NDF:1893382.3/61

All: 1633.645+/-0.129 χ^2/NDF: 2341078.7/11



Right In: 1851.424+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1304.356+/-1025.553 χ^2/NDF: 36.1/36

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

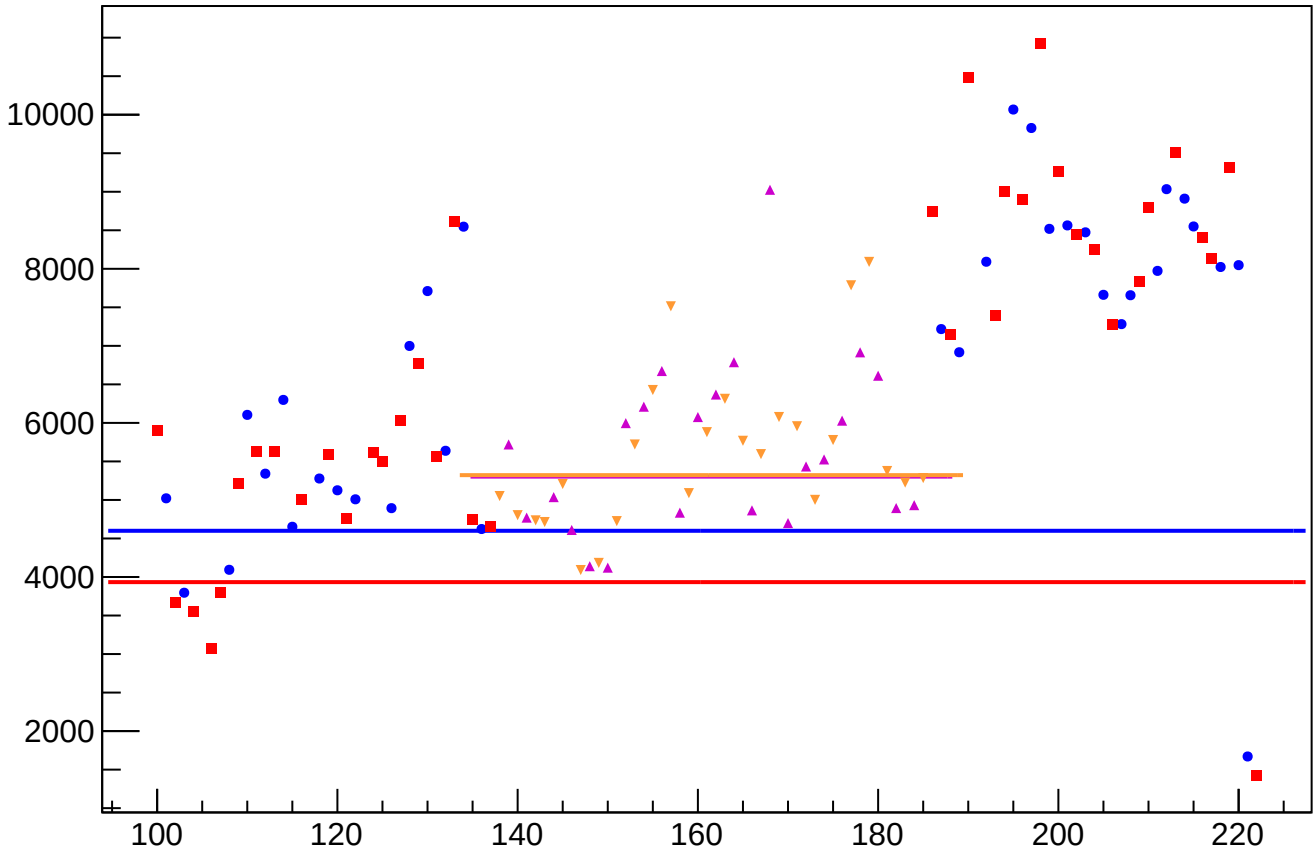
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: 101.363+/-763.715 χ^2/NDF: 81.5/70

In: 901.103+/-847.887 χ^2/NDF:57.3/56

Out: -525.305+/-788.610 χ^2/NDF:63.6/61

All: 136.300+/-577.451 χ^2/NDF: 122.4/118



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: 3933.475+/-0.725 χ^2/NDF: 14604274.8/36

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

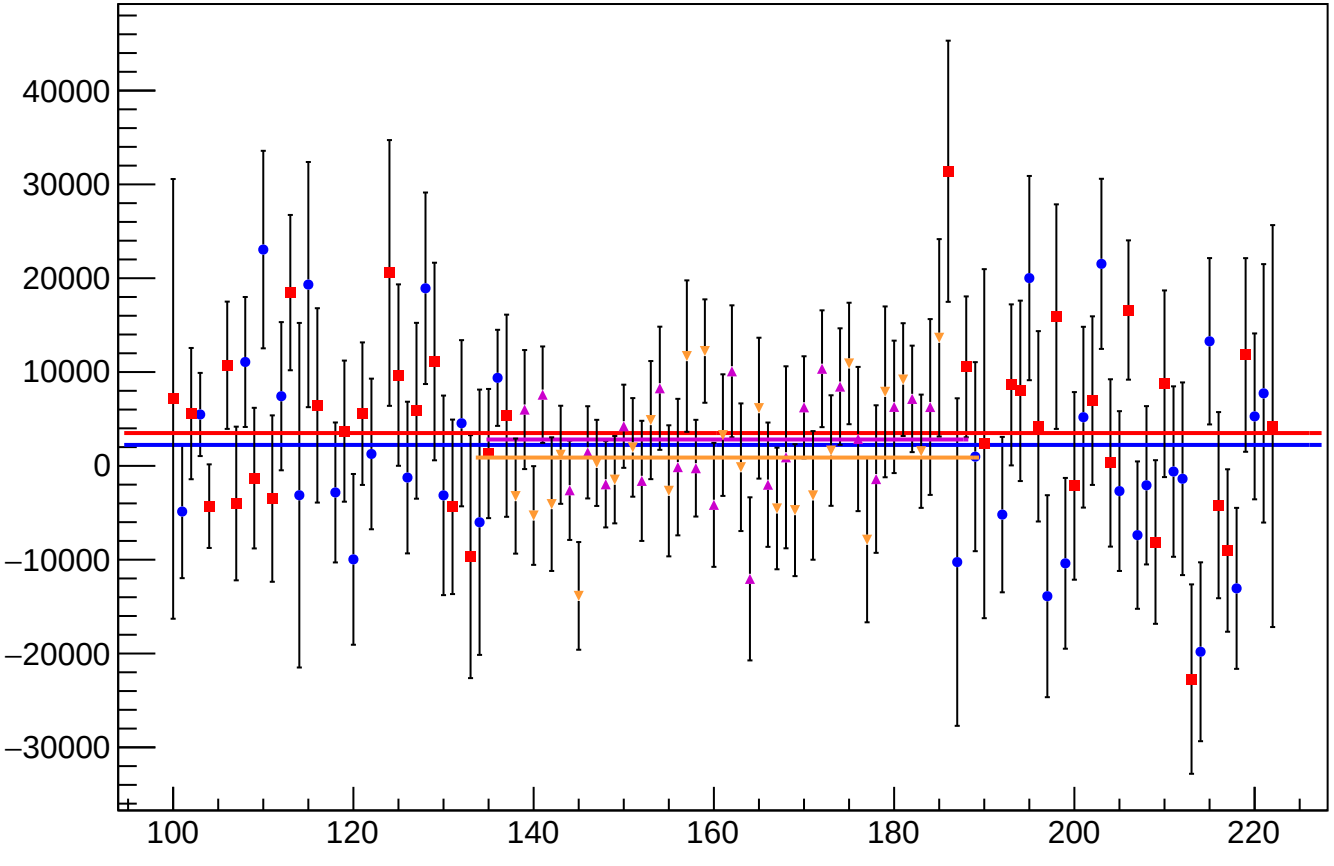
Right: 4230.268+/-0.540 χ^2/NDF: 26127320.9/70

In: 4916.830+/-0.600 χ^2/NDF:12639899.6/56

Out: 4500.950+/-0.558 χ^2/NDF:17139599.1/61

All: 4693.846+/-0.408 χ^2/NDF: 30037484.5/1

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: 3497.610+/-1458.292 χ^2/NDF: 36.4/36

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

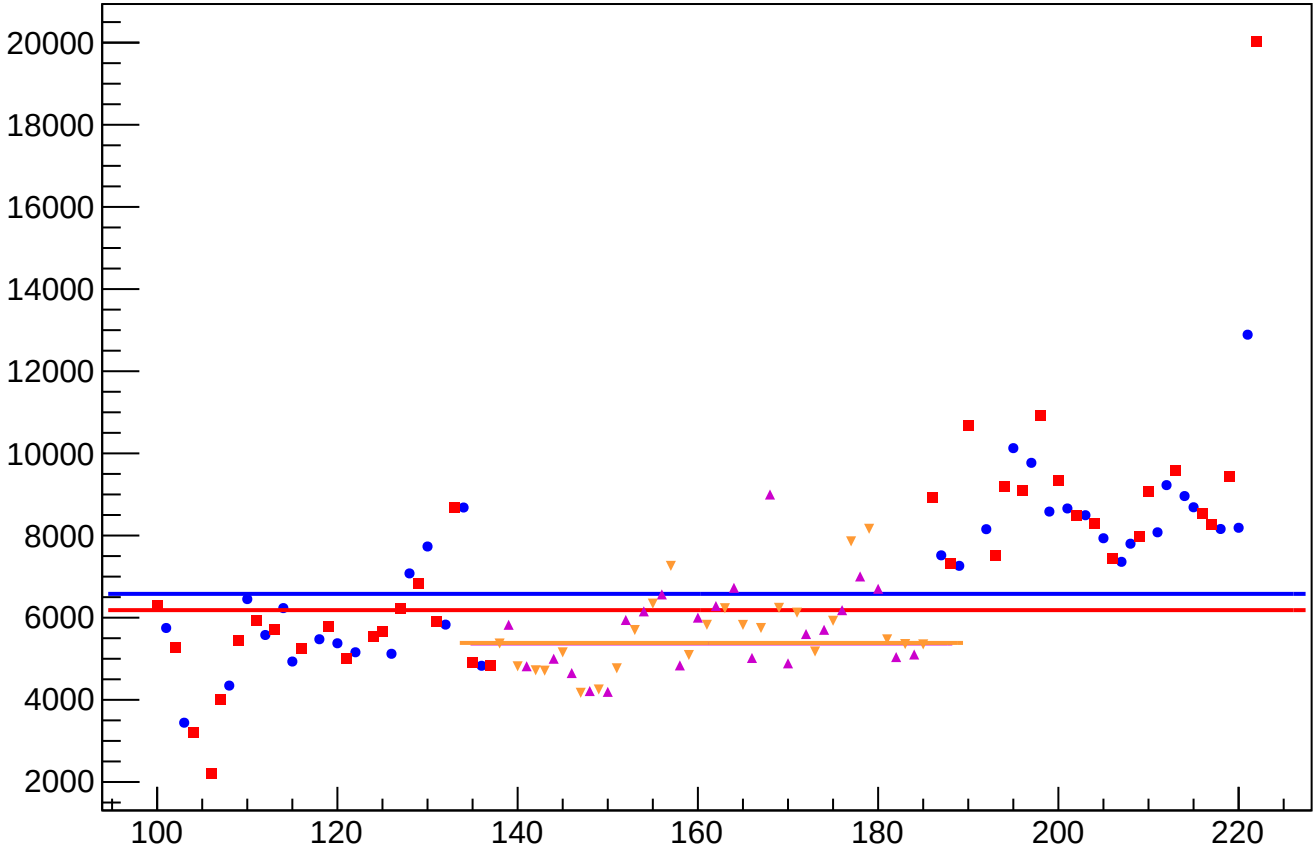
Right: 2871.236+/-1035.967 χ^2/NDF: 79.2/70

In: 2562.595+/-964.689 χ^2/NDF:57.3/56

Out: 1988.256+/-947.525 χ^2/NDF:63.9/61

All: 2270.271+/-675.988 χ^2/NDF: 121.3/118

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: 6183.897+/-1.007 χ^2/NDF: 5981755.6/36

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

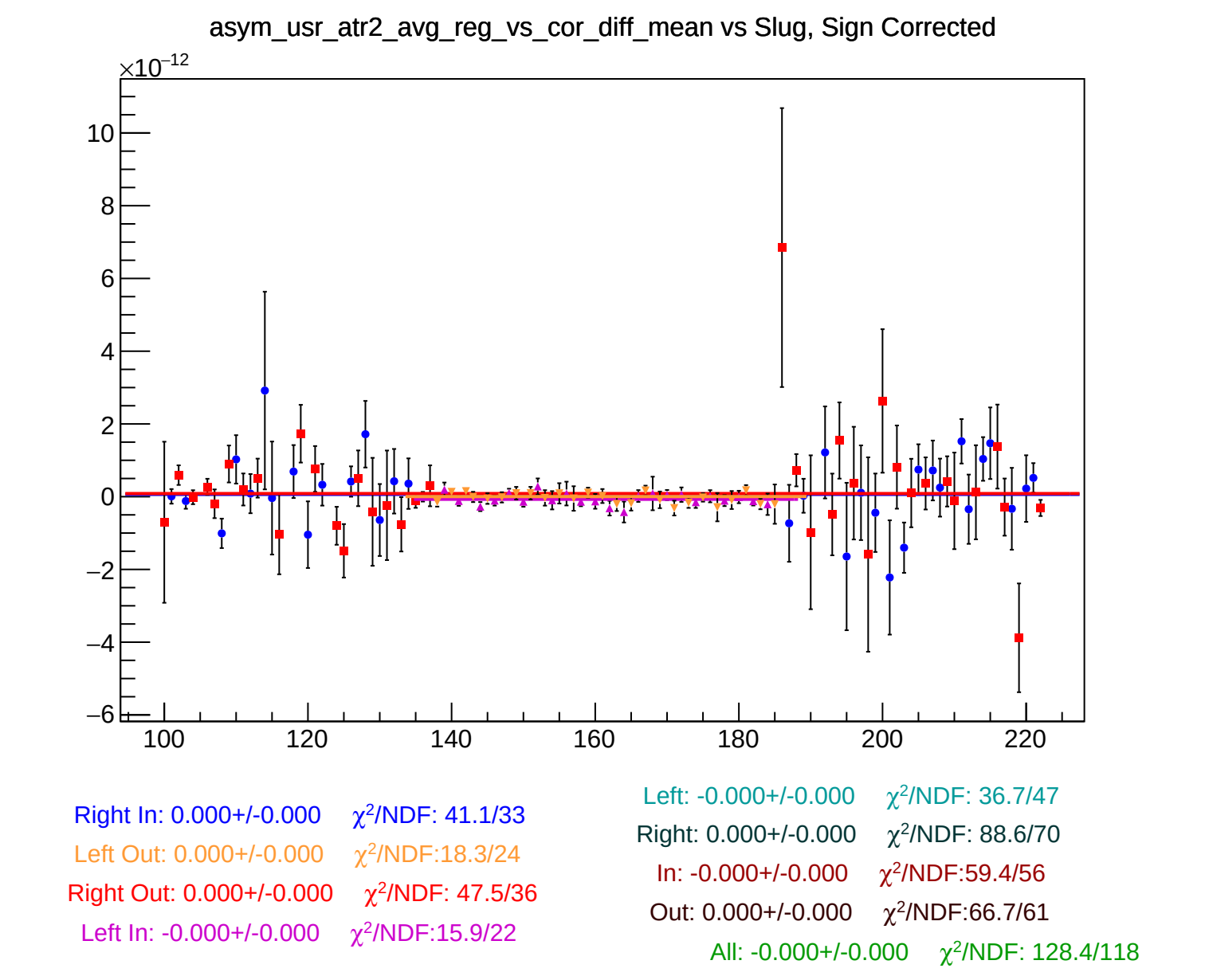
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

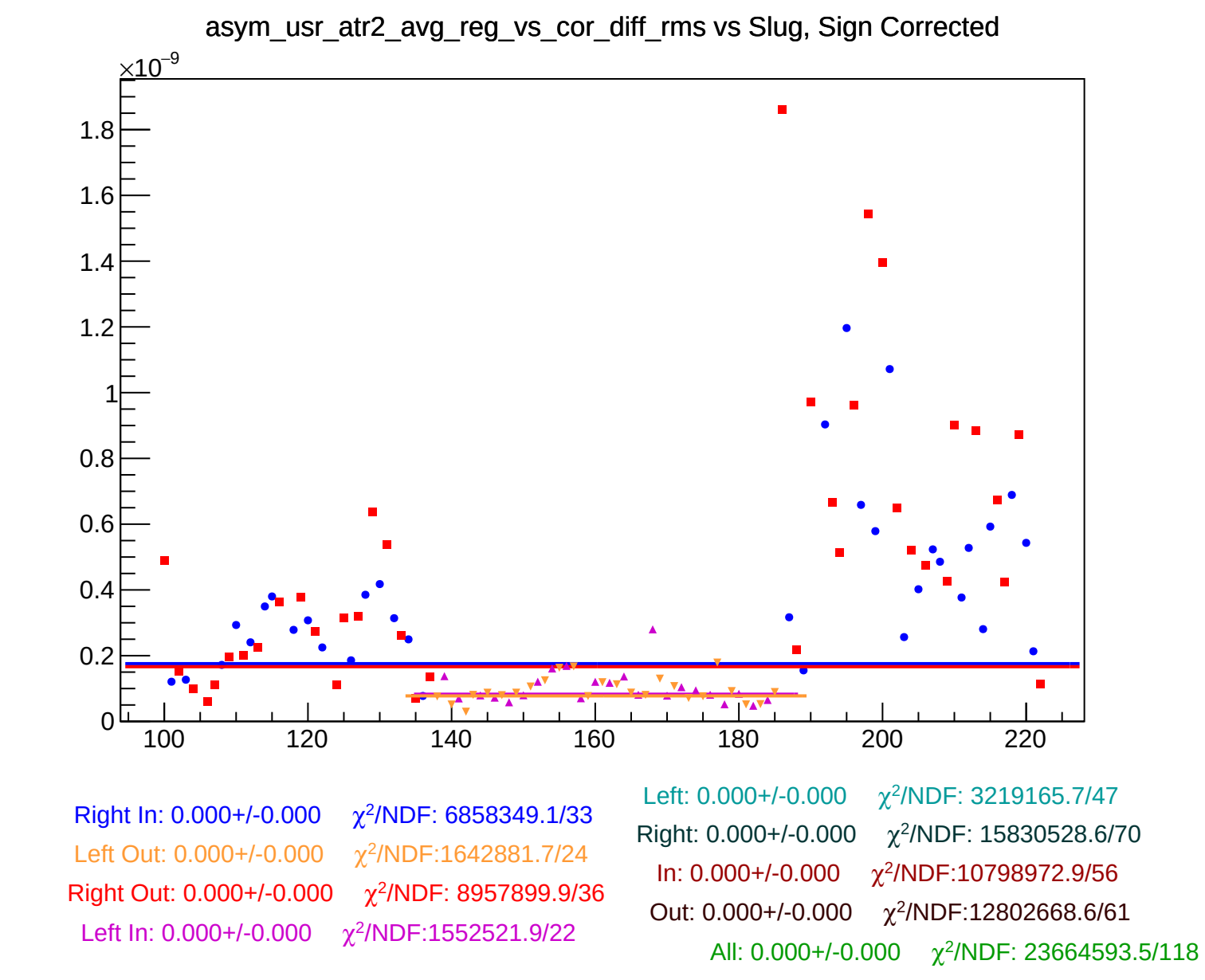
Right: 6375.380+/-0.724 χ^2/NDF: 9731834.1/70

In: 5891.346+/-0.682 χ^2/NDF:5514411.2/56

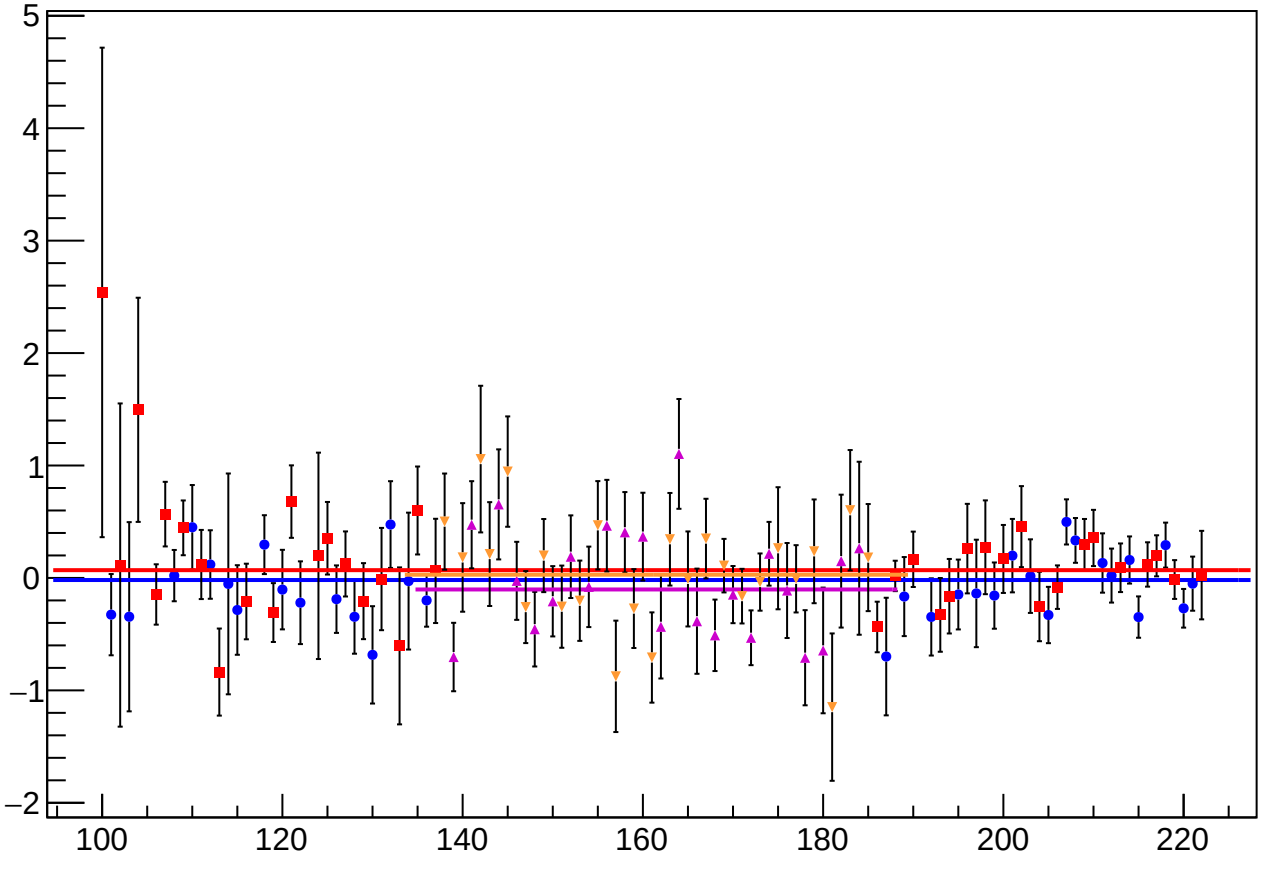
Out: 5731.952+/-0.663 χ^2/NDF:7324666.4/61

All: 5809.407+/-0.476 χ^2/NDF: 12867145.8/1


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.1/33
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 47.5/36
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 88.6/70
In: -0.000+/-0.000 χ²/NDF:59.4/56
Out: 0.000+/-0.000 χ²/NDF:66.7/61
All: -0.000+/-0.000 χ²/NDF: 128.4/118


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6858349.1/33
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8957899.9/36
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 15830528.6/70
In: 0.000+/-0.000 χ²/NDF:10798972.9/56
Out: 0.000+/-0.000 χ²/NDF:12802668.6/61
All: 0.000+/-0.000 χ²/NDF: 23664593.5/118

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: 0.069+/-0.046 χ^2/NDF: 39.4/36

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

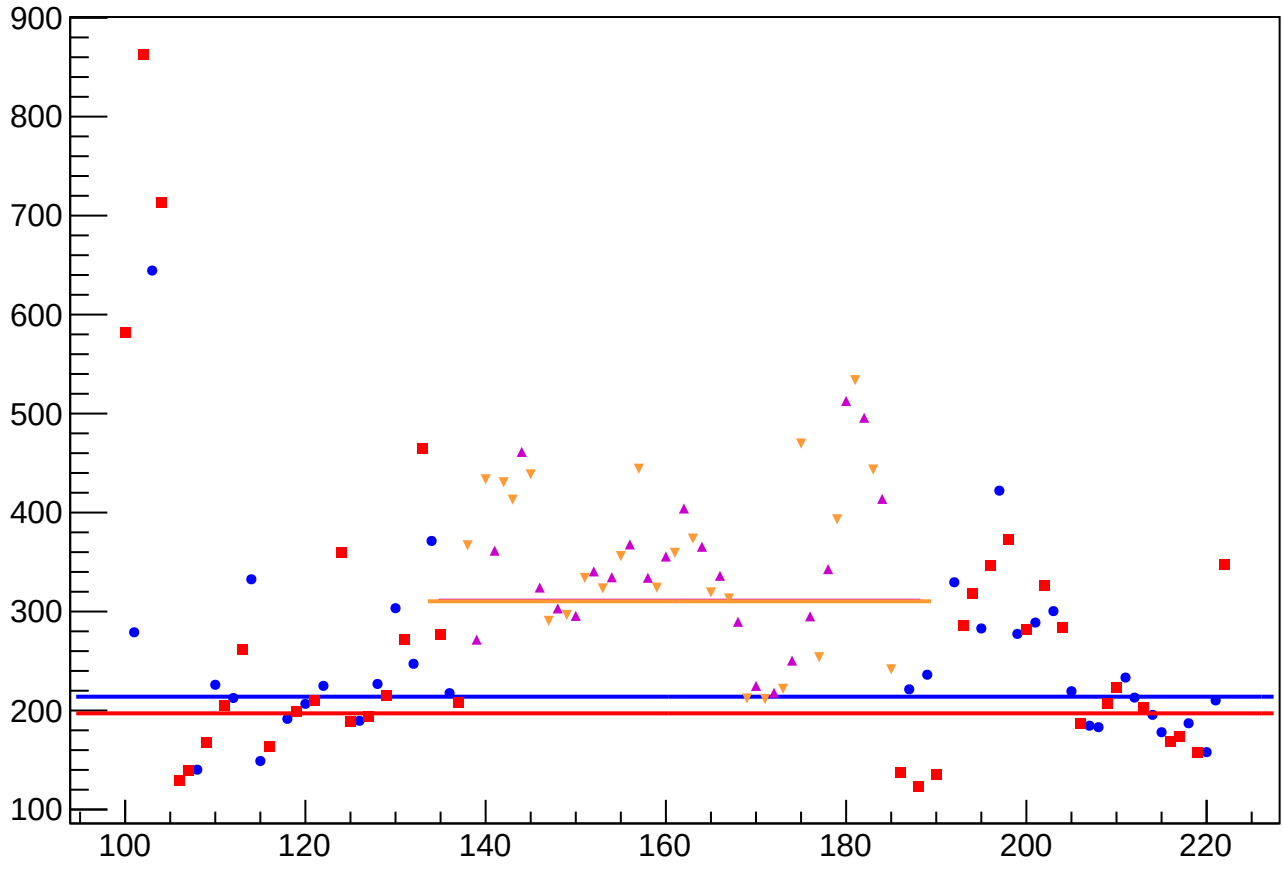
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/70

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:65.0/61

All: 0.010+/-0.028 χ^2/NDF: 136.0/118



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: 197.146+/-0.032 χ^2/NDF: 4846936.5/36

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

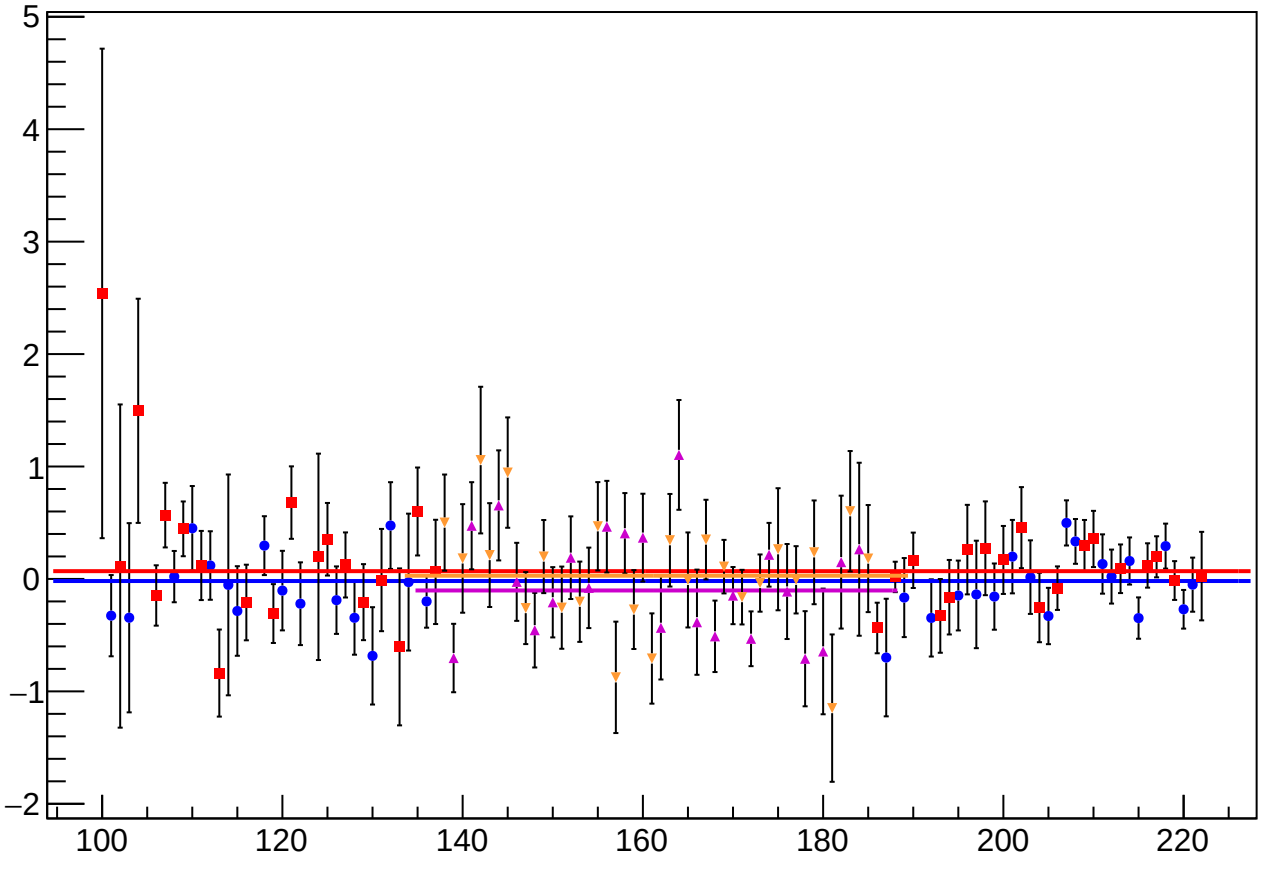
Right: 205.133+/-0.024 χ^2/NDF: 7616514.8/70

In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 228.227+/-0.028 χ^2/NDF:10545666.1/61

All: 234.710+/-0.020 χ^2/NDF: 17211088.2/11

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: 0.069+/-0.046 χ^2/NDF: 39.4/36

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

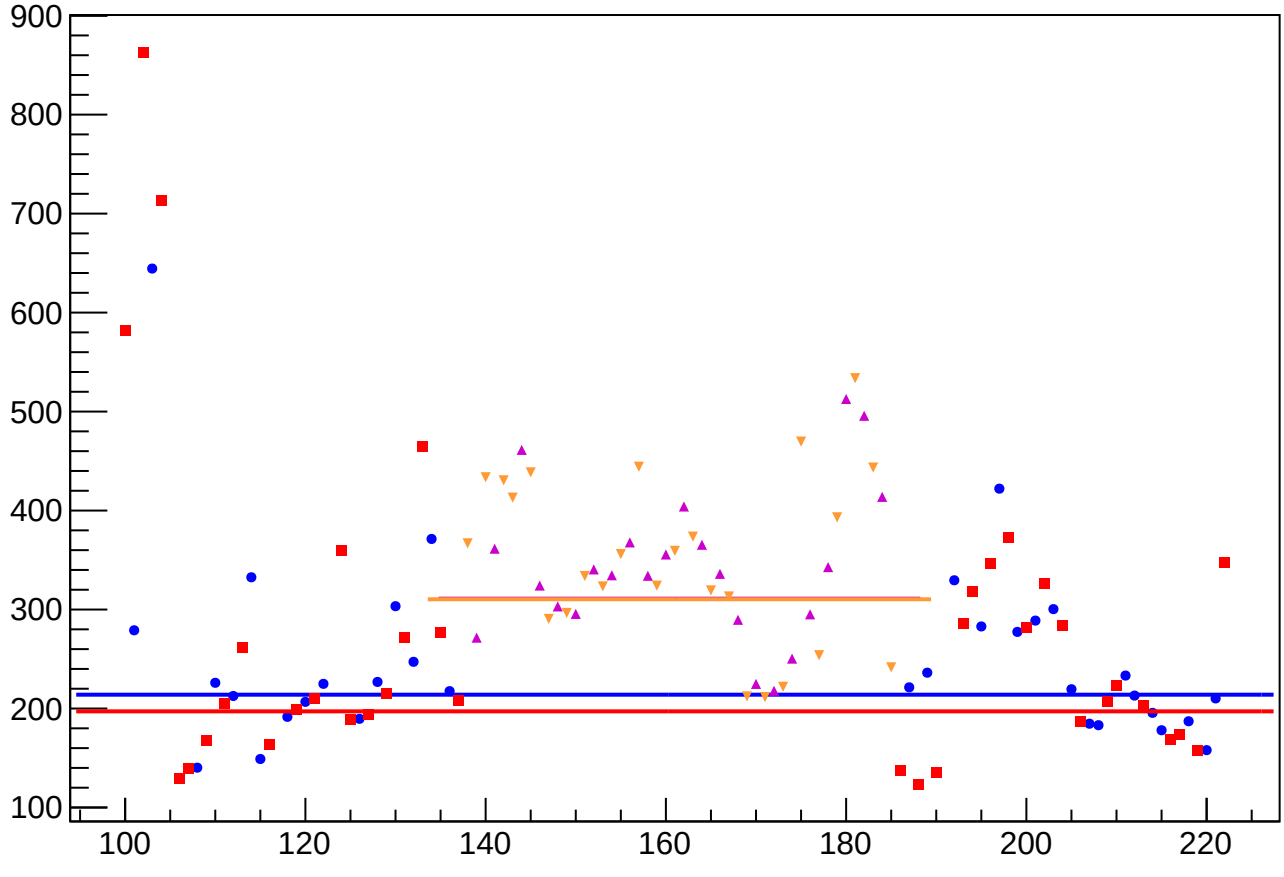
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/70

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:65.0/61

All: 0.010+/-0.028 χ^2/NDF: 136.0/118



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: 197.146+/-0.032 χ^2/NDF: 4846936.5/36

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

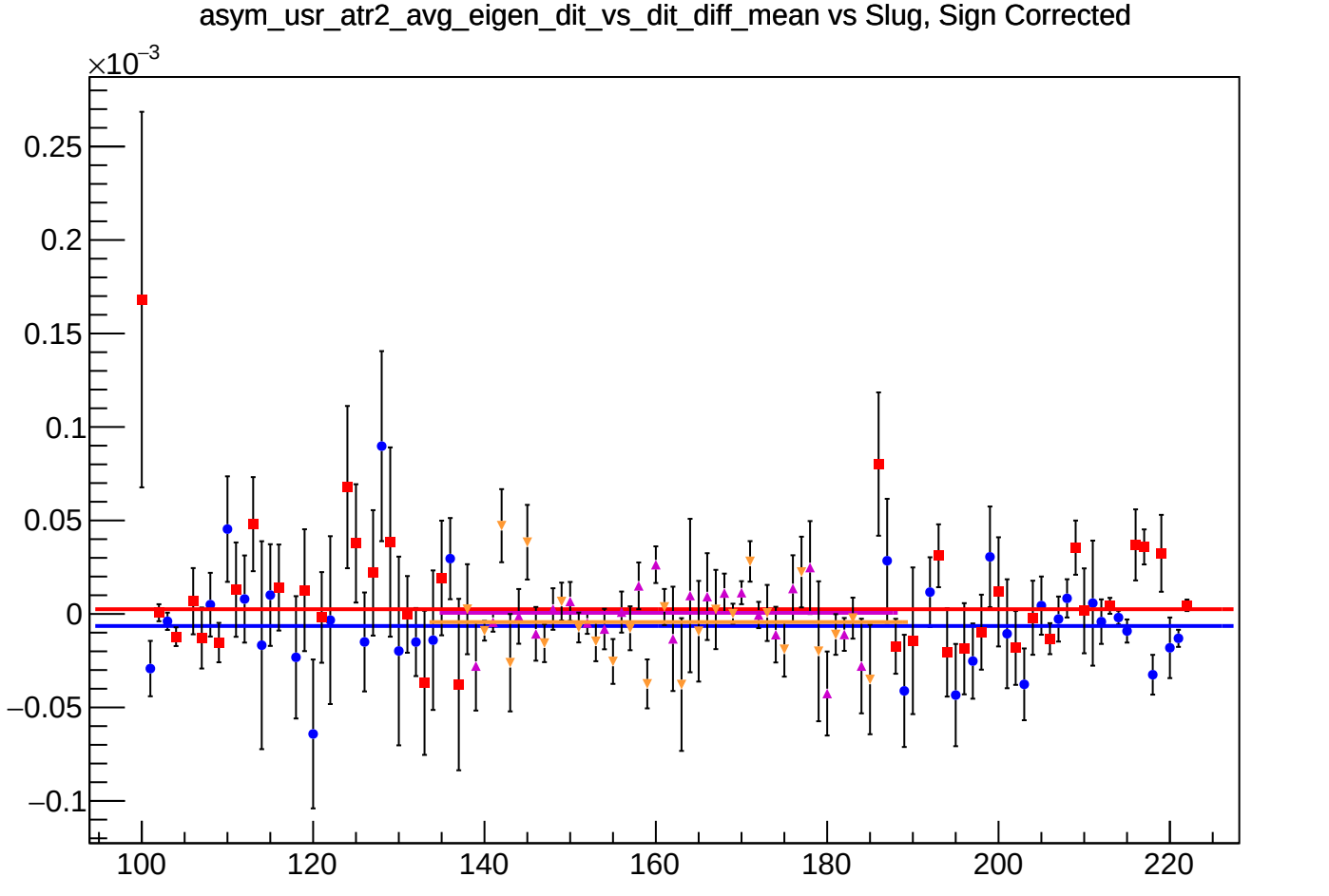
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

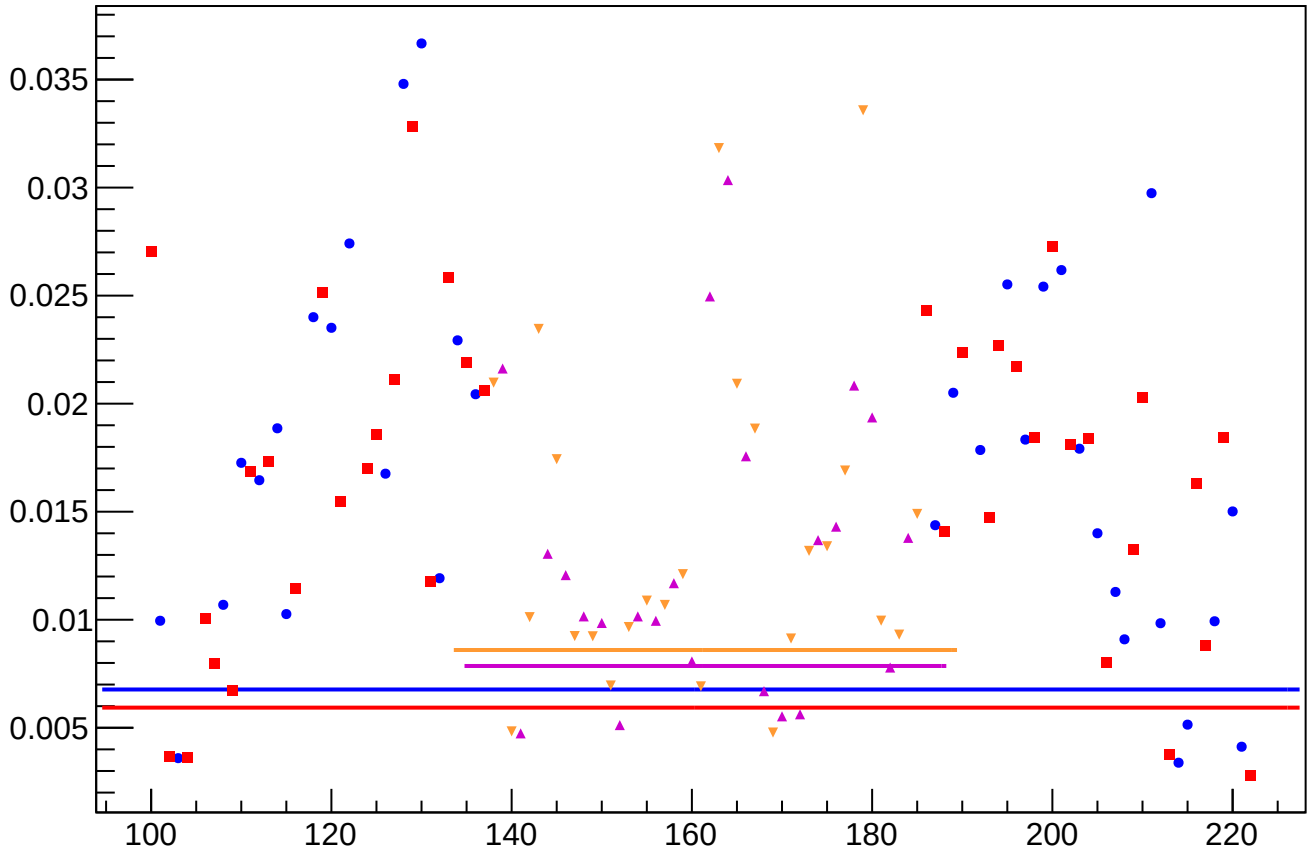
Right: 205.133+/-0.024 χ^2/NDF: 7616514.8/70

In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 228.227+/-0.028 χ^2/NDF:10545666.1/61

All: 234.710+/-0.020 χ^2/NDF: 17211088.2/11


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: 65.4/36
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: 117.7/70
In: -0.000+/-0.000 χ²/NDF:72.7/56
Out: 0.000+/-0.000 χ²/NDF:113.6/61
All: -0.000+/-0.000 χ²/NDF: 189.1/118



Right In: 0.007+/-0.000 χ^2/NDF: 16592287.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF: 18740362.1/36

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

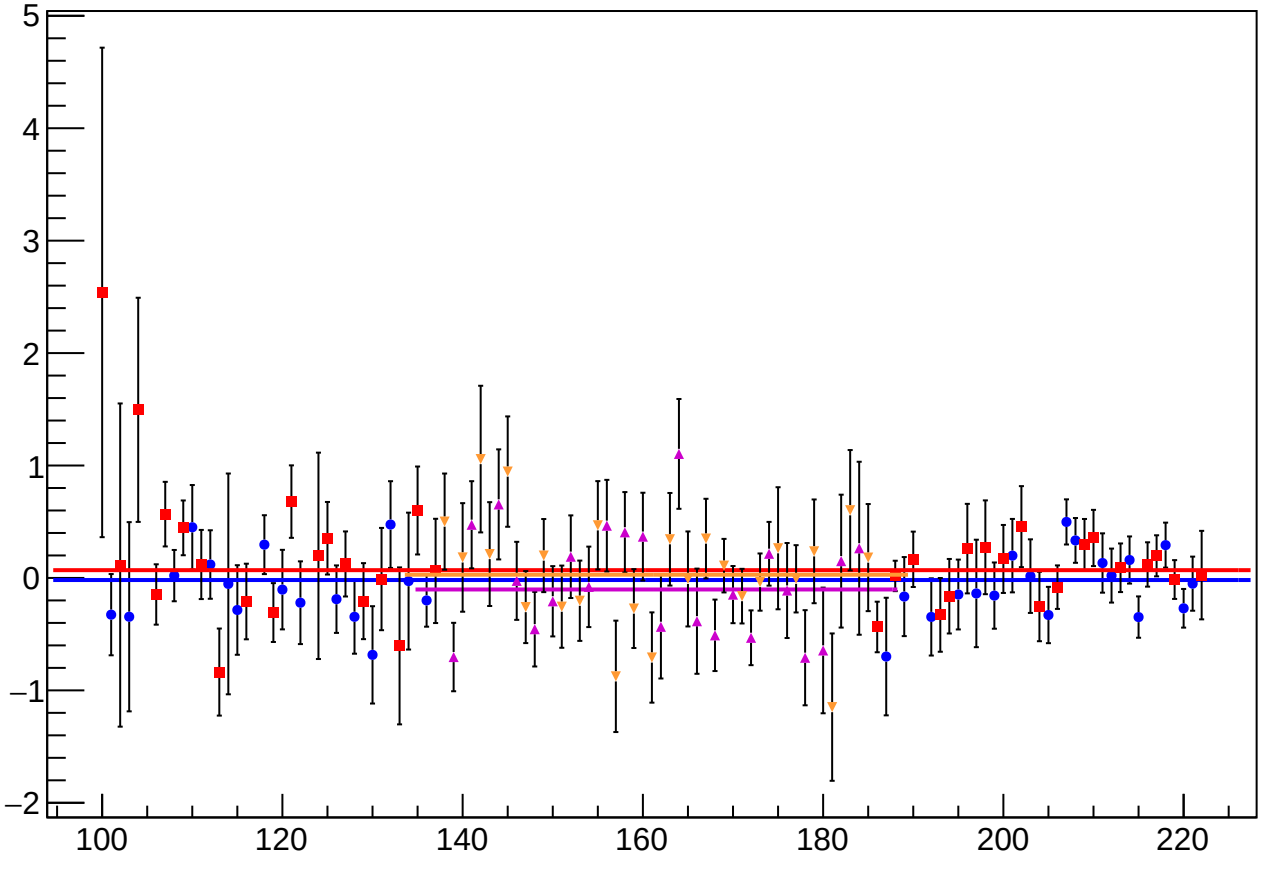
Right: 0.006+/-0.000 χ^2/NDF: 35545979.3/70

In: 0.007+/-0.000 χ^2/NDF:23658124.0/56

Out: 0.007+/-0.000 χ^2/NDF:28173260.6/61

All: 0.007+/-0.000 χ^2/NDF: 51890558.9/118

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: 0.069+/-0.046 χ^2/NDF: 39.4/36

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

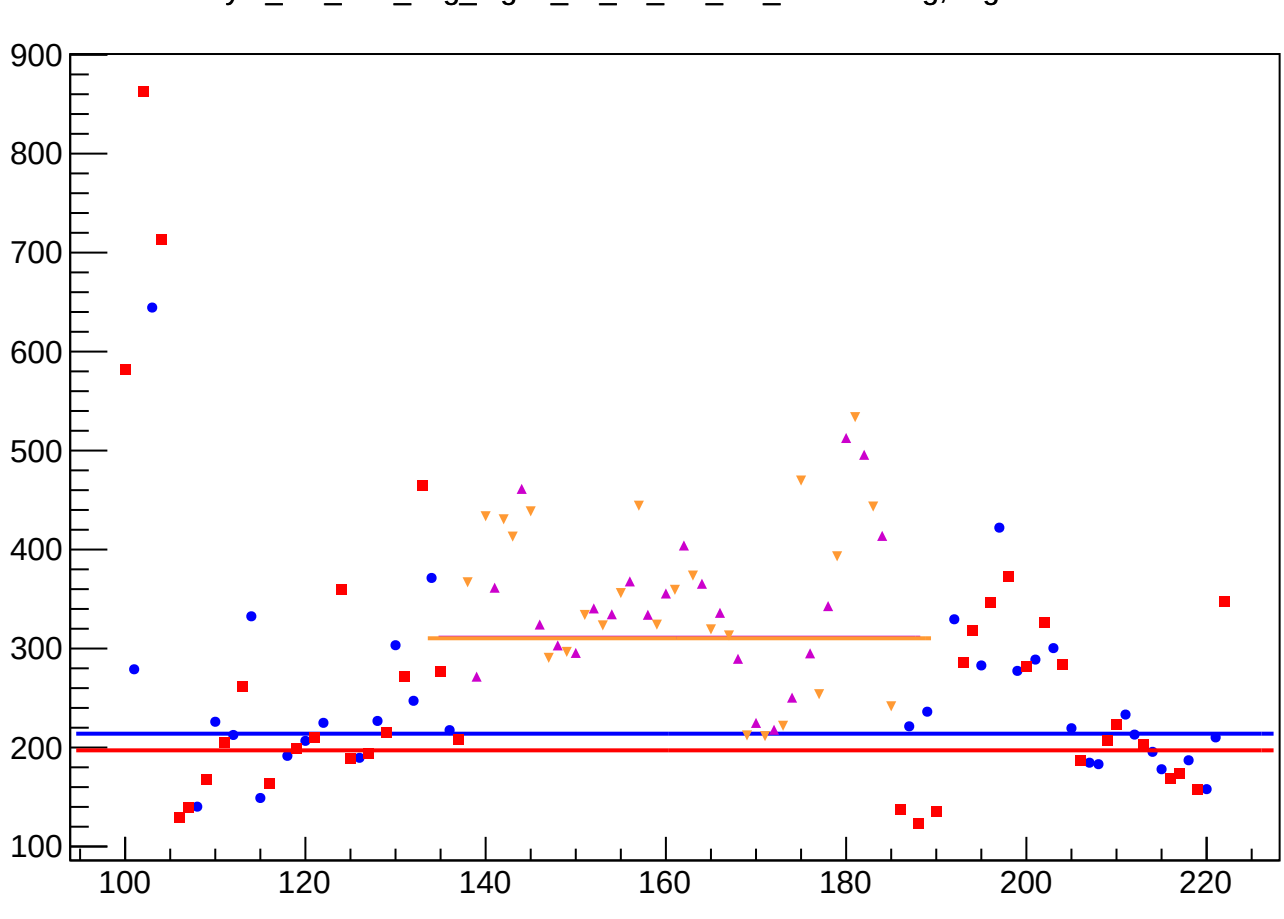
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/70

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:65.0/61

All: 0.010+/-0.028 χ^2/NDF: 136.0/118



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: 197.144+/-0.032 χ^2/NDF: 4847060.0/36

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

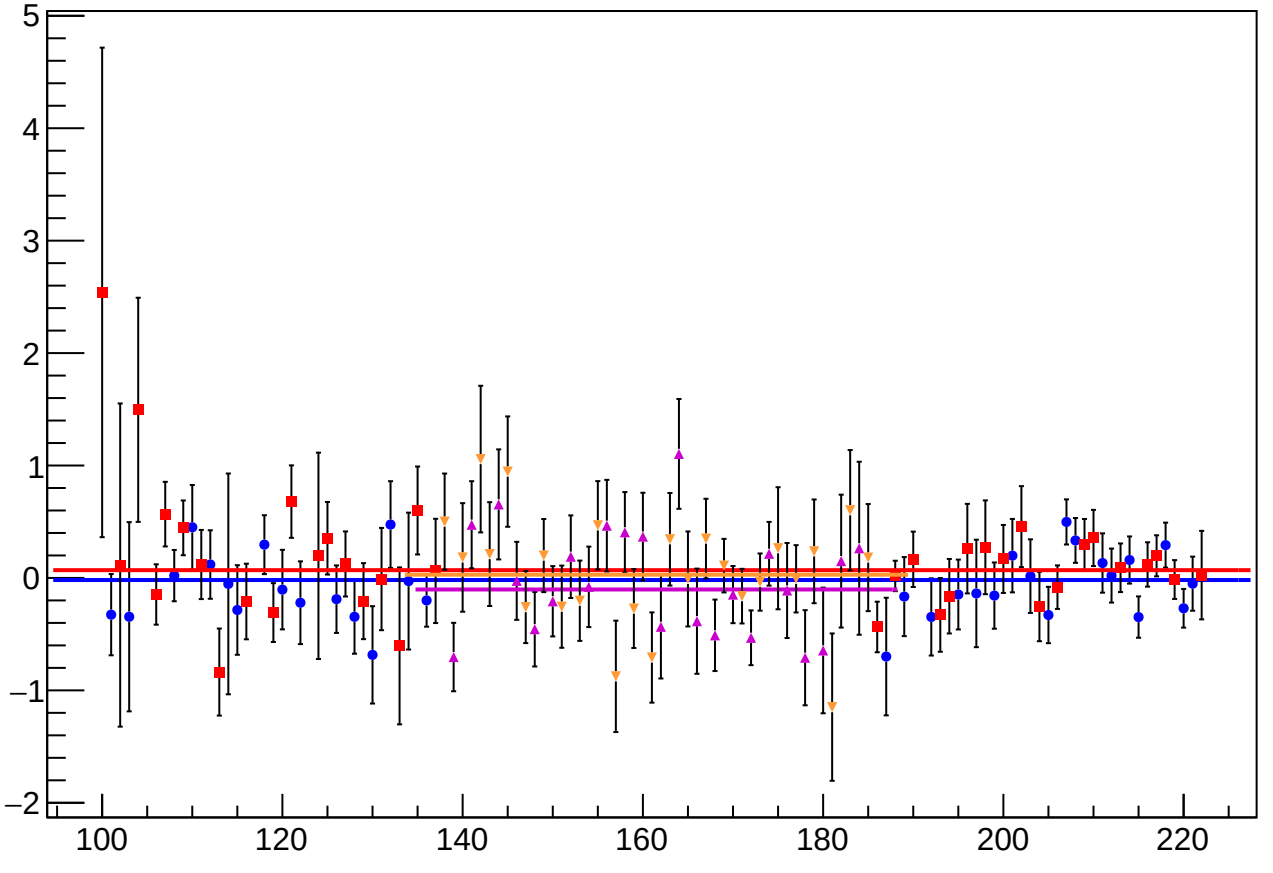
Right: 205.132+/-0.024 χ^2/NDF: 7616664.2/70

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 228.226+/-0.028 χ^2/NDF:10546096.1/61

All: 234.710+/-0.020 χ^2/NDF: 17211723.2/11

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: 0.069+/-0.046 χ^2/NDF: 39.4/36

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

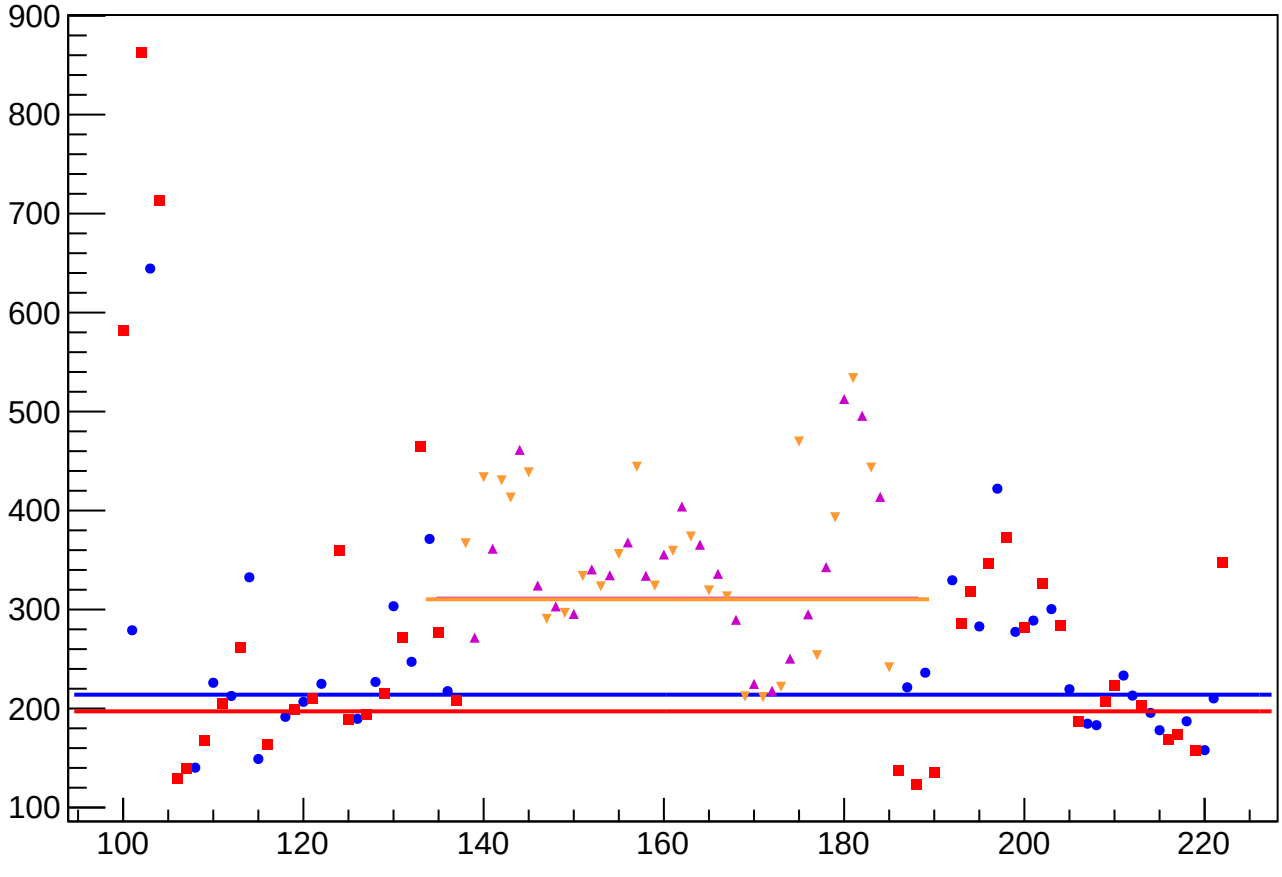
Right: 0.028+/-0.033 χ^2/NDF: 75.8/70

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:65.0/61

All: 0.010+/-0.028 χ^2/NDF: 136.0/118

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: 197.144+/-0.032 χ^2/NDF: 4847060.0/36

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

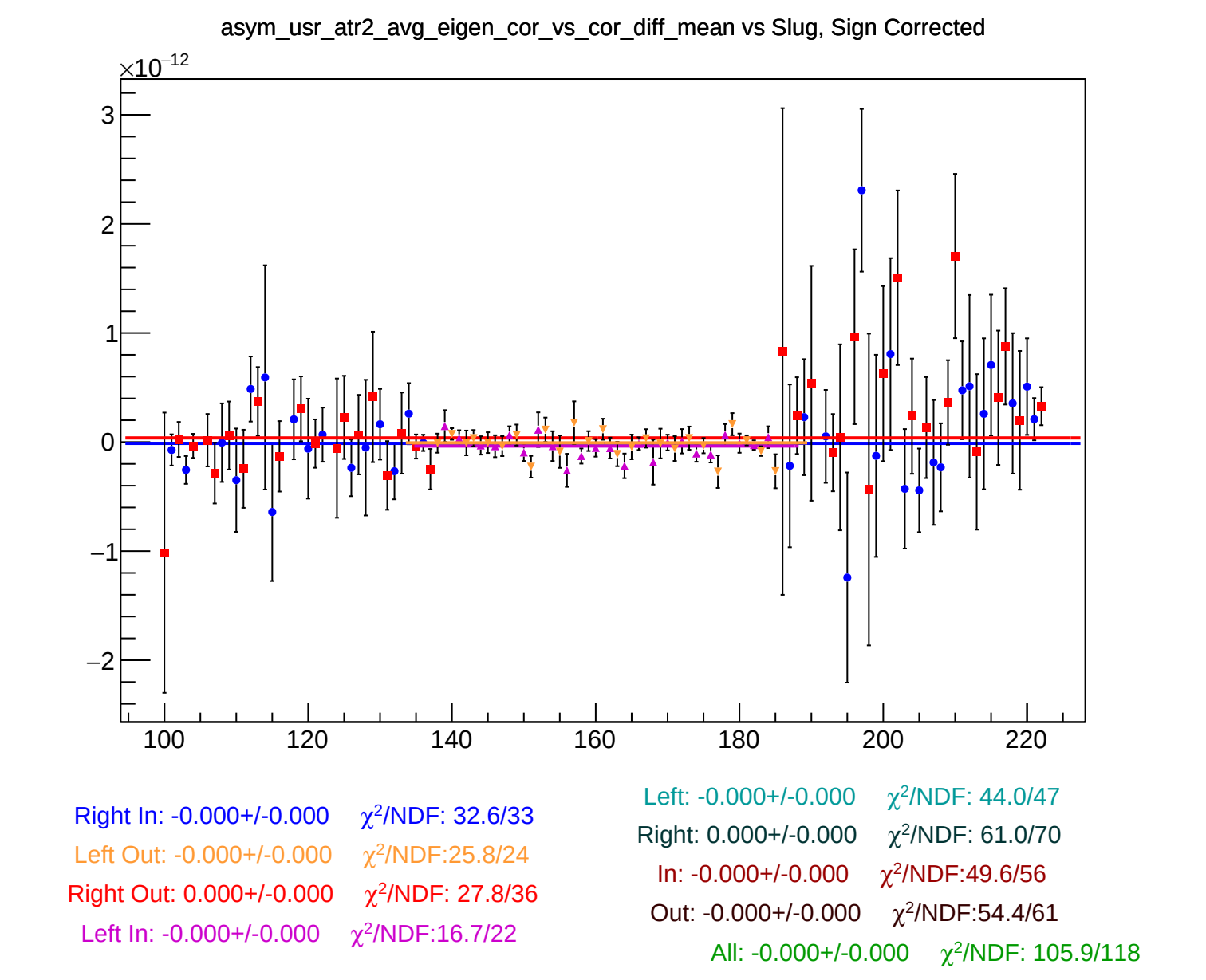
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

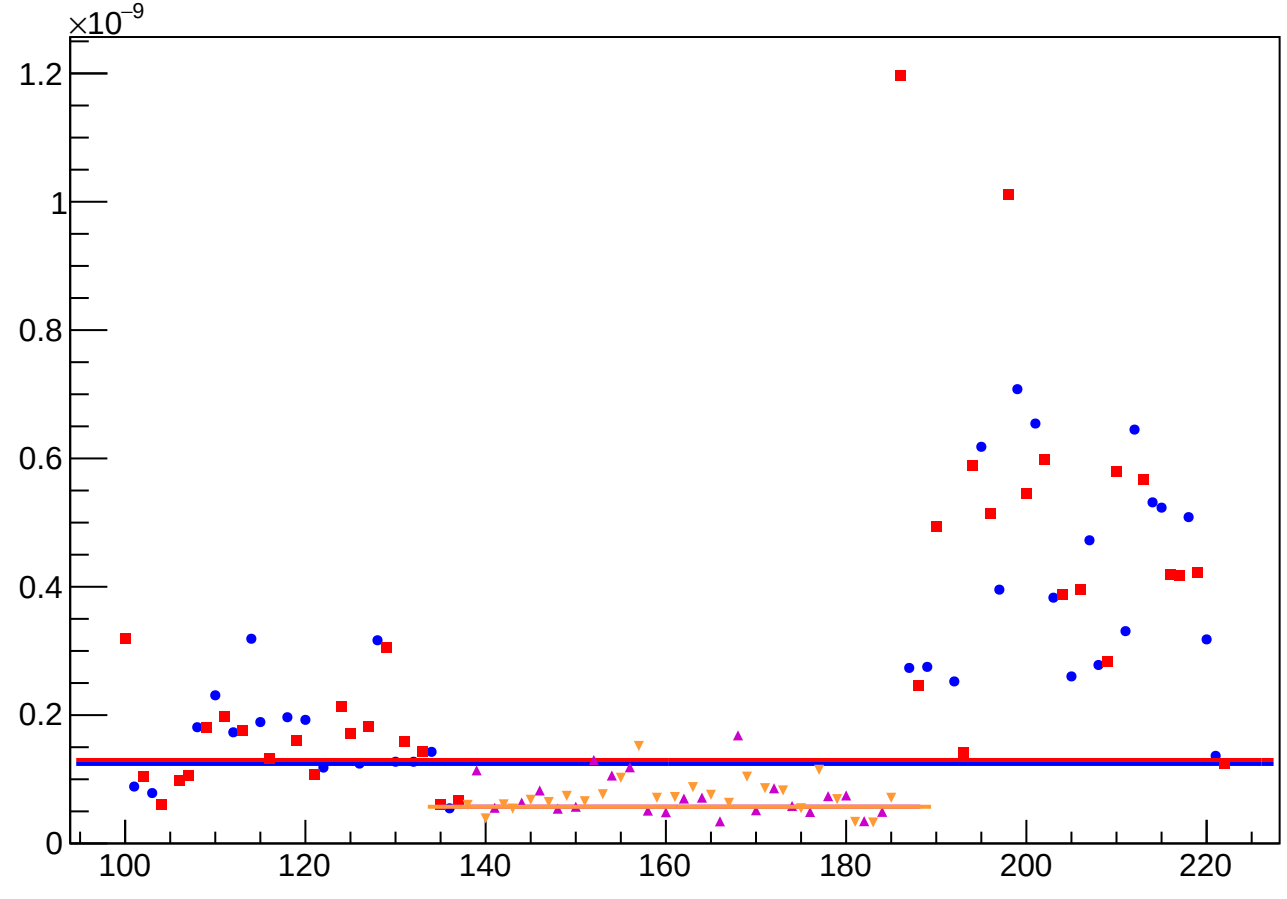
Right: 205.132+/-0.024 χ^2/NDF: 7616664.2/70

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 228.226+/-0.028 χ^2/NDF:10546096.1/61

All: 234.710+/-0.020 χ^2/NDF: 17211723.2/11


asym_usr_atr2_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: 32.6/33
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/36
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: 0.000+/-0.000 χ²/NDF: 61.0/70
In: -0.000+/-0.000 χ²/NDF:49.6/56
Out: -0.000+/-0.000 χ²/NDF:54.4/61
All: -0.000+/-0.000 χ²/NDF: 105.9/118



Right In: 0.000+/-0.000 χ^2/NDF: 10963204.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10727217.3/36

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

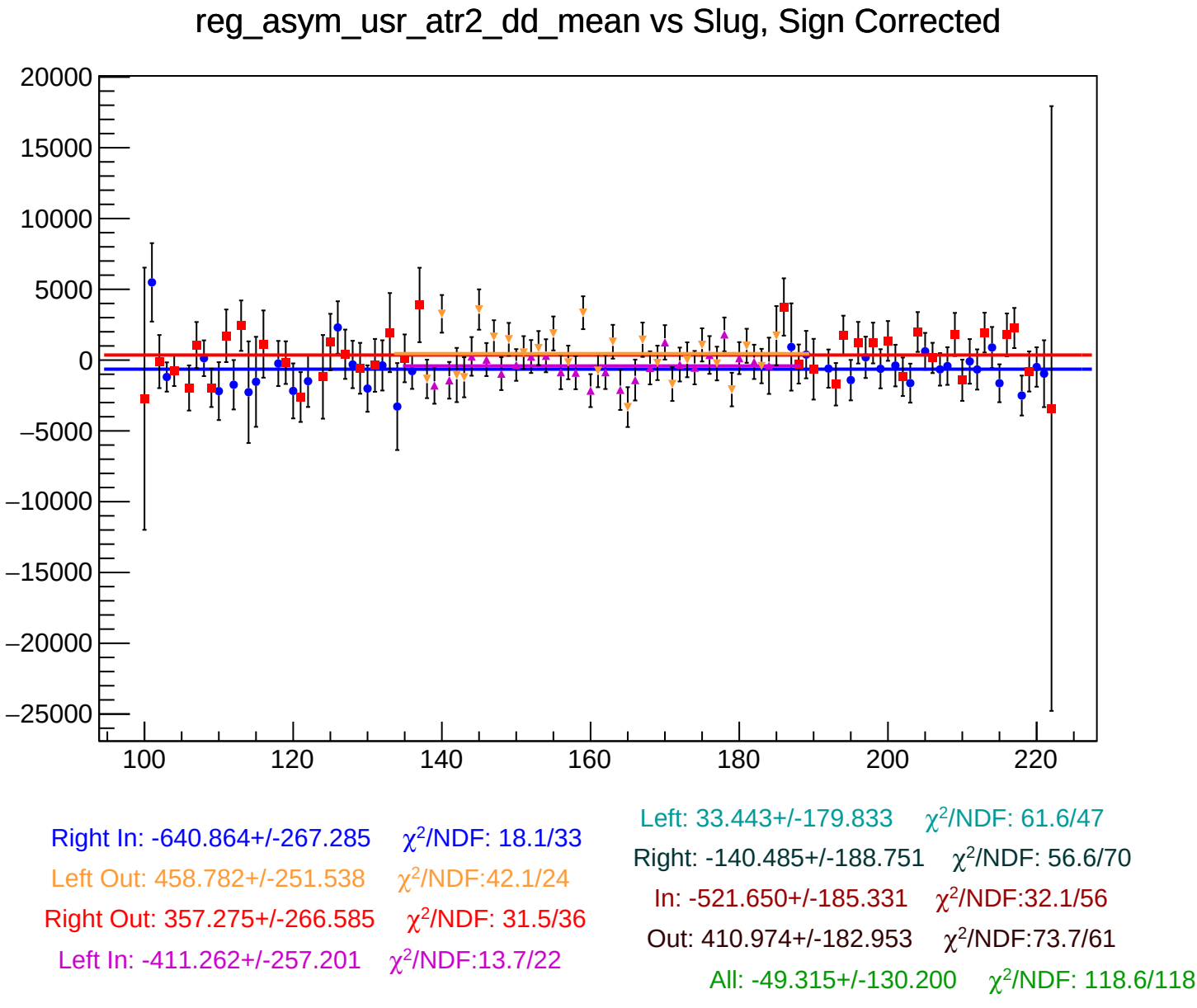
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21708219.2/70

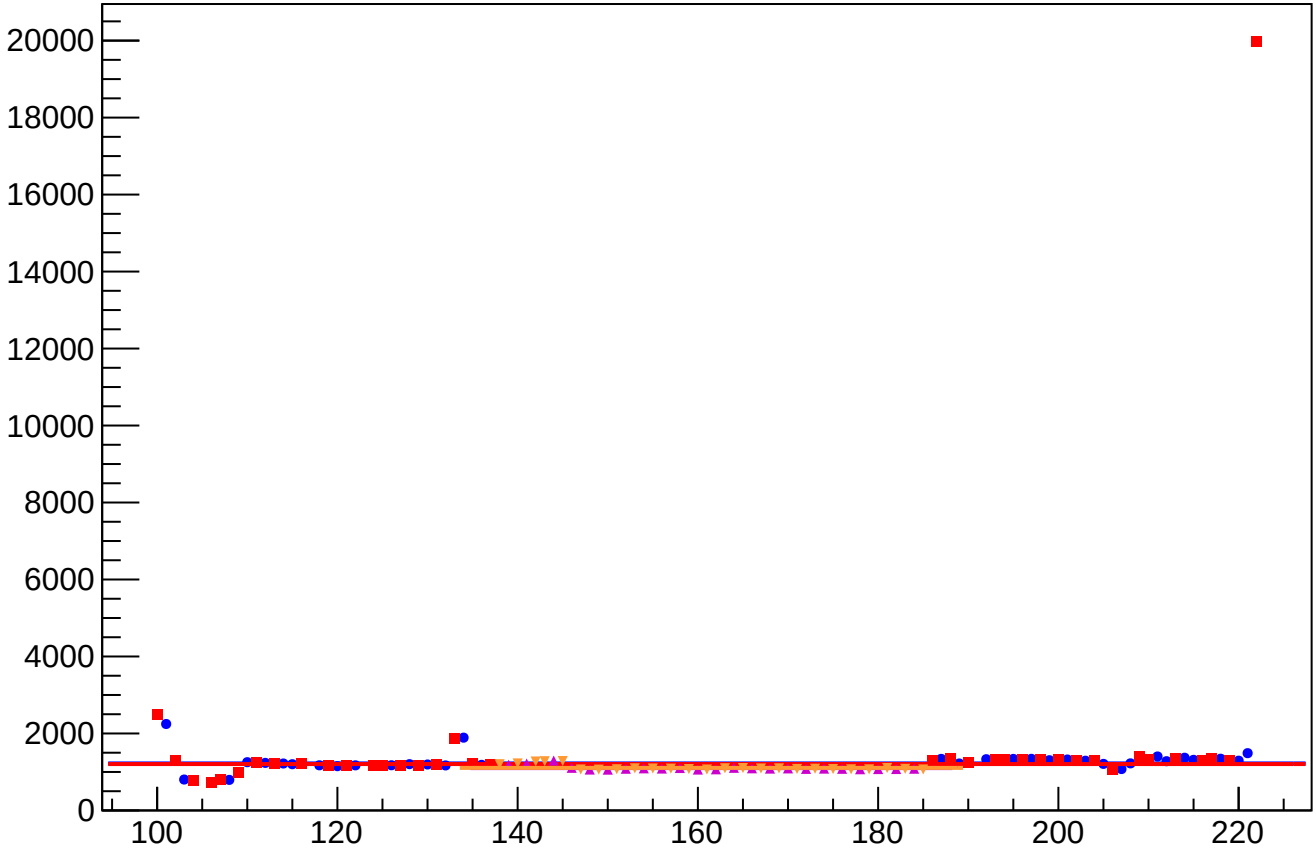
In: 0.000+/-0.000 χ^2/NDF:17978588.5/56

Out: 0.000+/-0.000 χ^2/NDF:18314591.8/61

All: 0.000+/-0.000 χ^2/NDF: 36293333.6/118


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
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: 357.275+/-266.585 χ²/NDF: 31.5/36
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -140.485+/-188.751 χ²/NDF: 56.6/70
In: -521.650+/-185.331 χ²/NDF:32.1/56
Out: 410.974+/-182.953 χ²/NDF:73.7/61
All: -49.315+/-130.200 χ²/NDF: 118.6/118

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1221.347+/-0.189 χ^2/NDF: 1141339.6/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1205.459+/-0.188 χ^2/NDF: 2648027.9/36

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

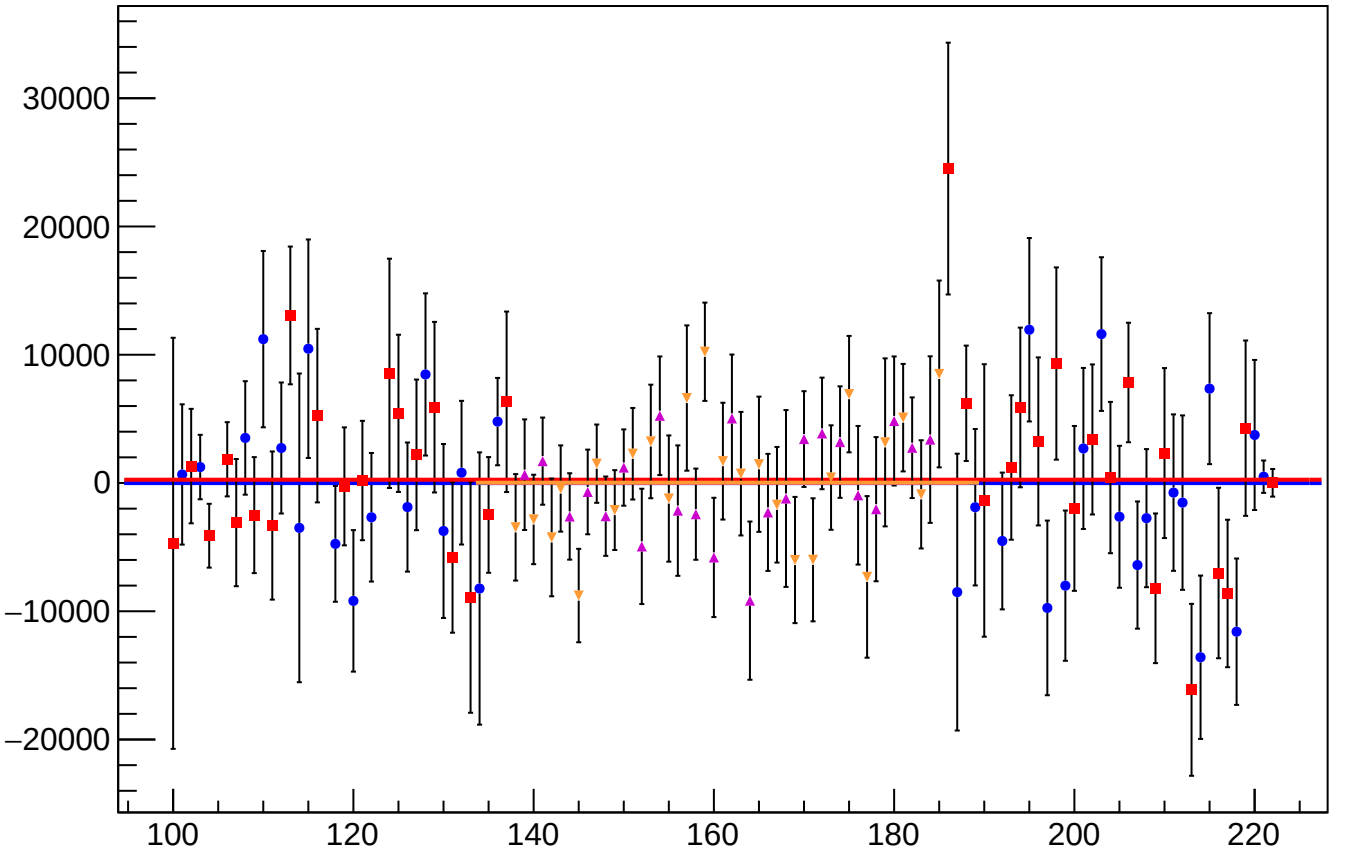
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1213.354+/-0.133 χ^2/NDF: 3792922.8/70

In: 1158.523+/-0.131 χ^2/NDF:1434386.0/56

Out: 1152.779+/-0.129 χ^2/NDF:2919138.2/61

All: 1155.609+/-0.092 χ^2/NDF: 4354498.7/11



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: 256.527+/-688.249 χ^2/NDF: 42.2/36

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

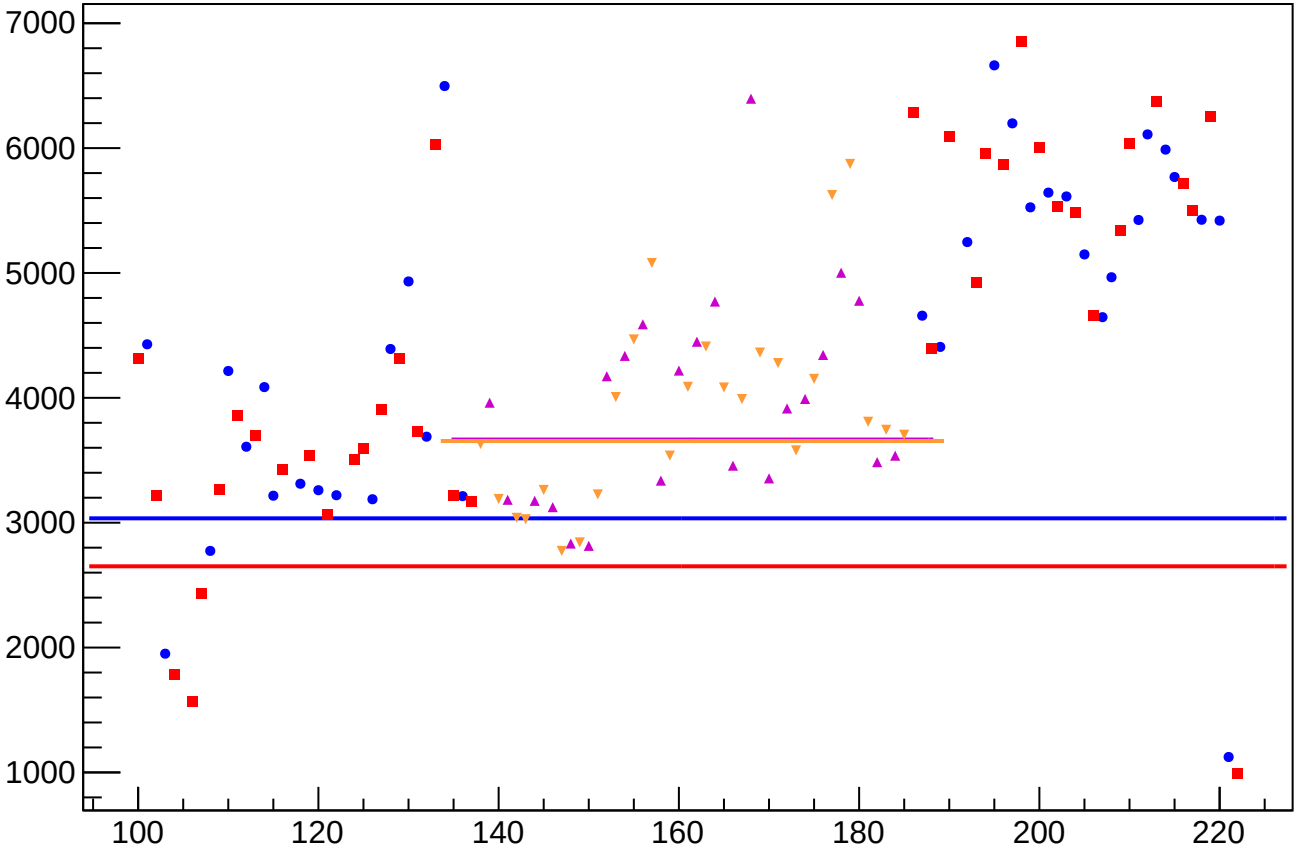
Right: 136.431+/-508.941 χ^2/NDF: 81.8/70

In: -2.156+/-572.134 χ^2/NDF:53.5/56

Out: 164.250+/-534.991 χ^2/NDF:70.7/61

All: 86.623+/-390.767 χ^2/NDF: 124.3/118

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: 2650.753+/-0.487 χ^2/NDF: 14009369.5/36

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

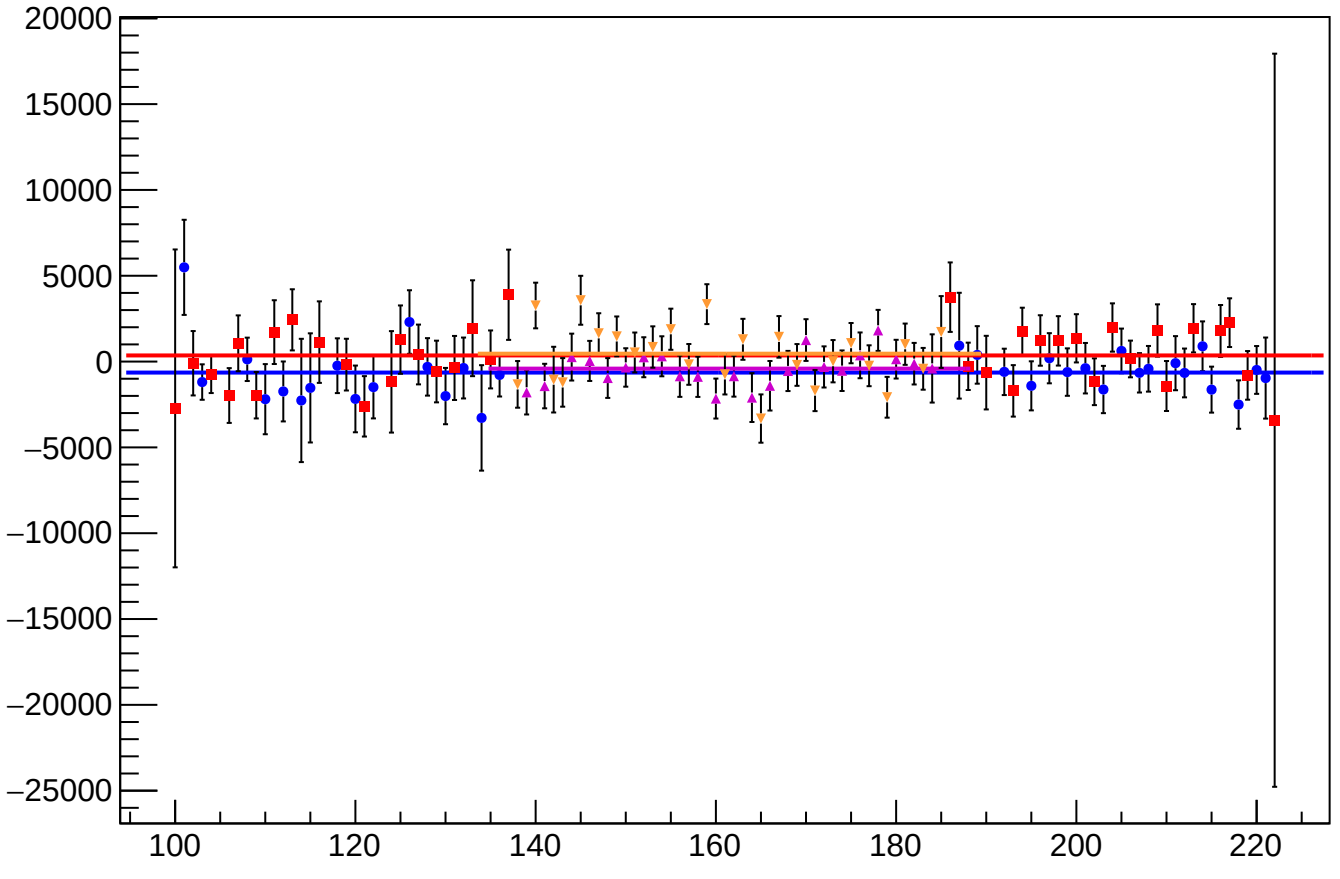
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 2824.864+/-0.360 χ^2/NDF: 25531804.0/70

In: 3304.643+/-0.405 χ^2/NDF:13179348.9/56

Out: 3047.887+/-0.378 χ^2/NDF:17003683.6/61

All: 3167.660+/-0.276 χ^2/NDF: 30397924.1/1



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 357.141+/-266.586 χ^2/NDF: 31.5/36

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

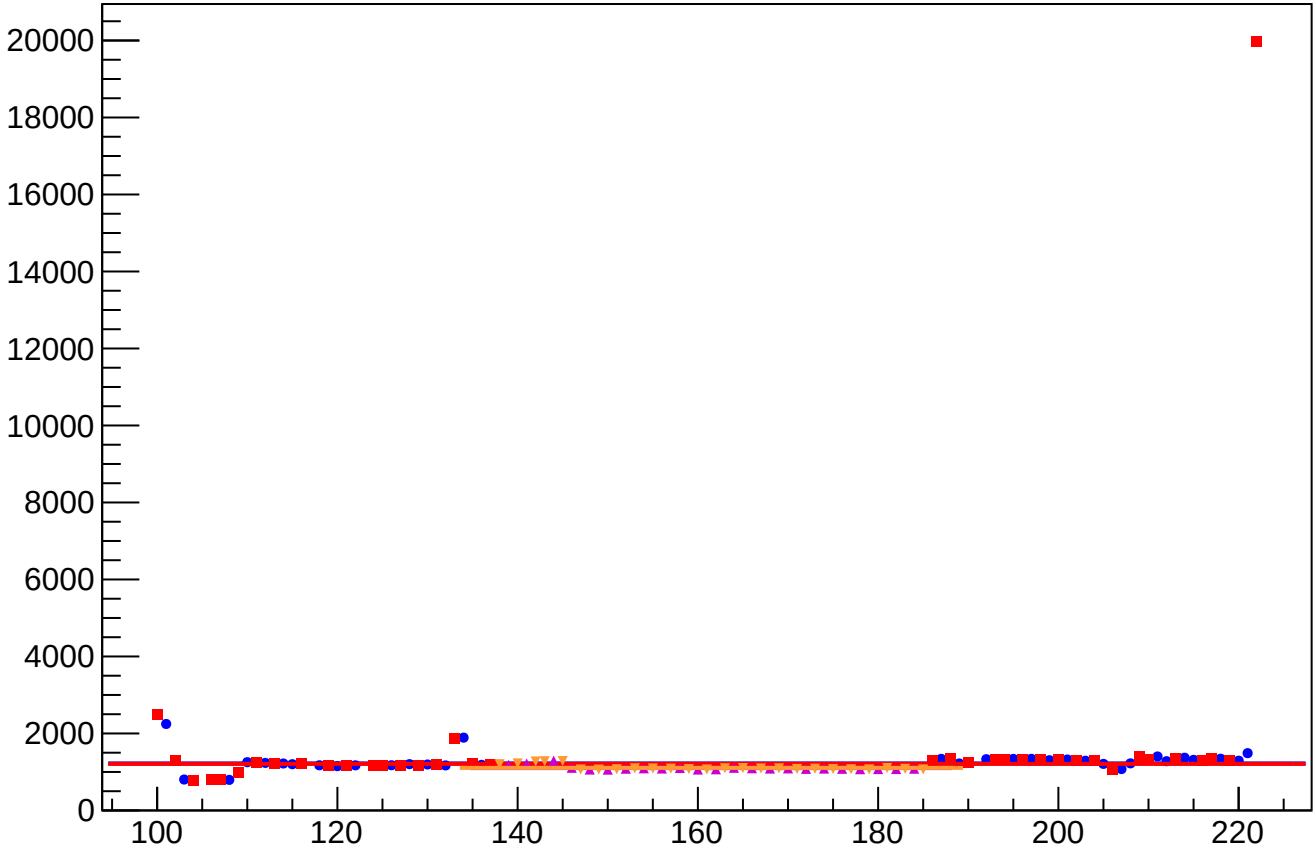
Right: -140.562+/-188.752 χ^2/NDF: 56.6/70

In: -521.606+/-185.331 χ^2/NDF:32.1/56

Out: 410.944+/-182.953 χ^2/NDF:73.7/61

All: -49.310+/-130.200 χ^2/NDF: 118.6/118

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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: 1210.071+/-0.188 χ^2/NDF: 2562442.7/36

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

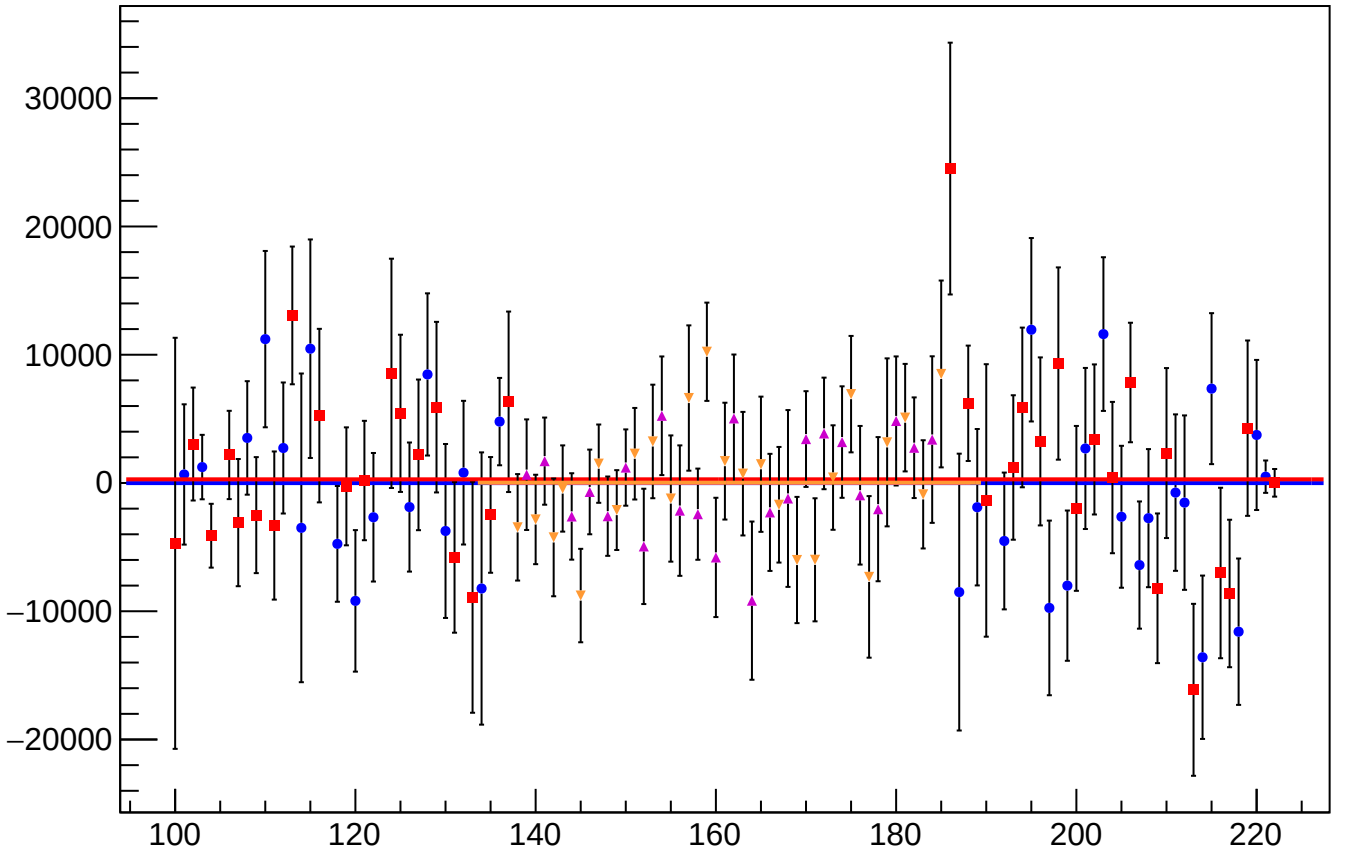
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1215.690+/-0.133 χ^2/NDF: 3705563.5/70

In: 1158.523+/-0.131 χ^2/NDF:1434382.0/56

Out: 1154.819+/-0.129 χ^2/NDF:2847178.0/61

All: 1156.647+/-0.092 χ^2/NDF: 4281964.8/11



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: 285.860+/-693.722 χ^2/NDF: 42.6/36

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

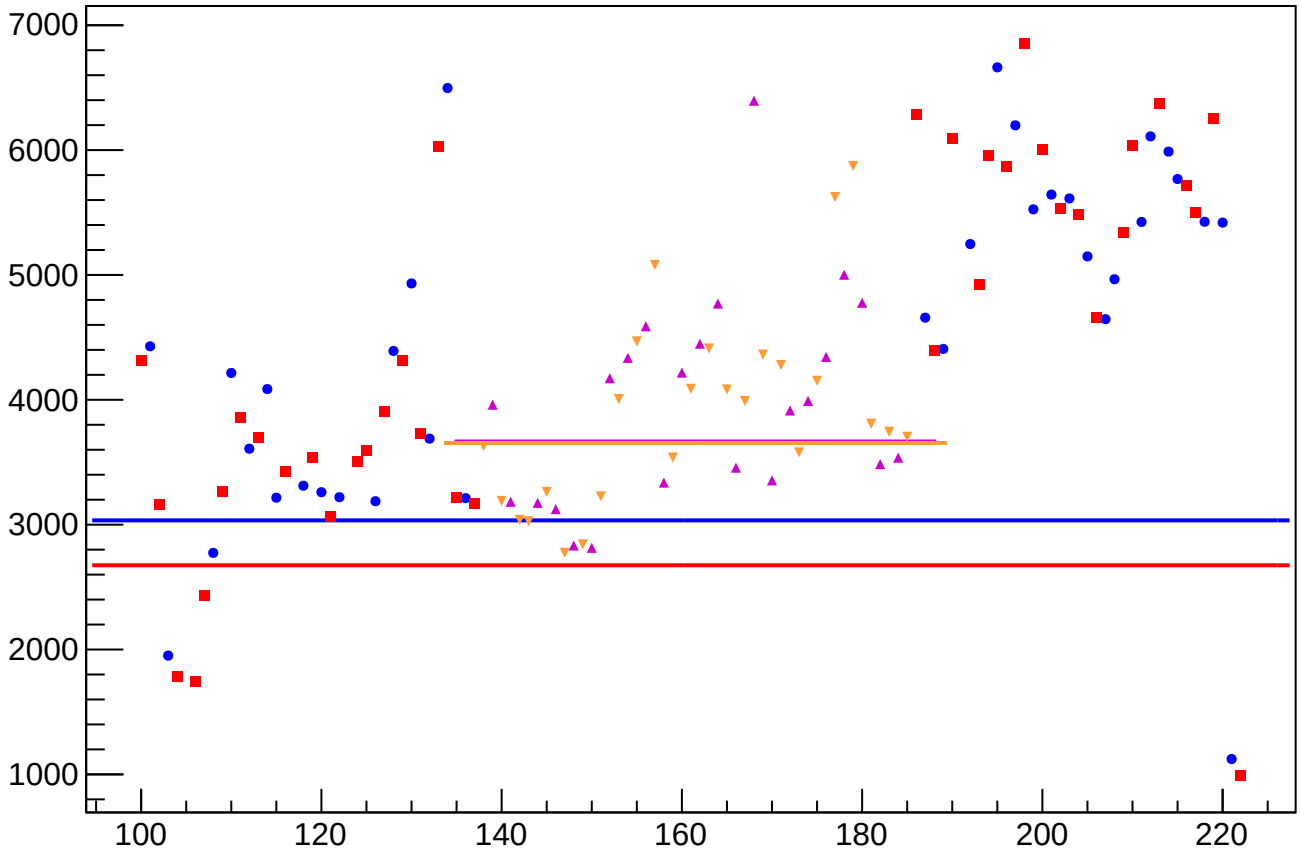
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 151.379+/-511.116 χ^2/NDF: 82.2/70

In: -2.034+/-572.097 χ^2/NDF:53.5/56

Out: 180.976+/-537.550 χ^2/NDF:71.1/61

All: 95.163+/-391.749 χ^2/NDF: 124.7/118



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: 2674.803+/-0.491 χ^2/NDF: 13864496.3/36

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

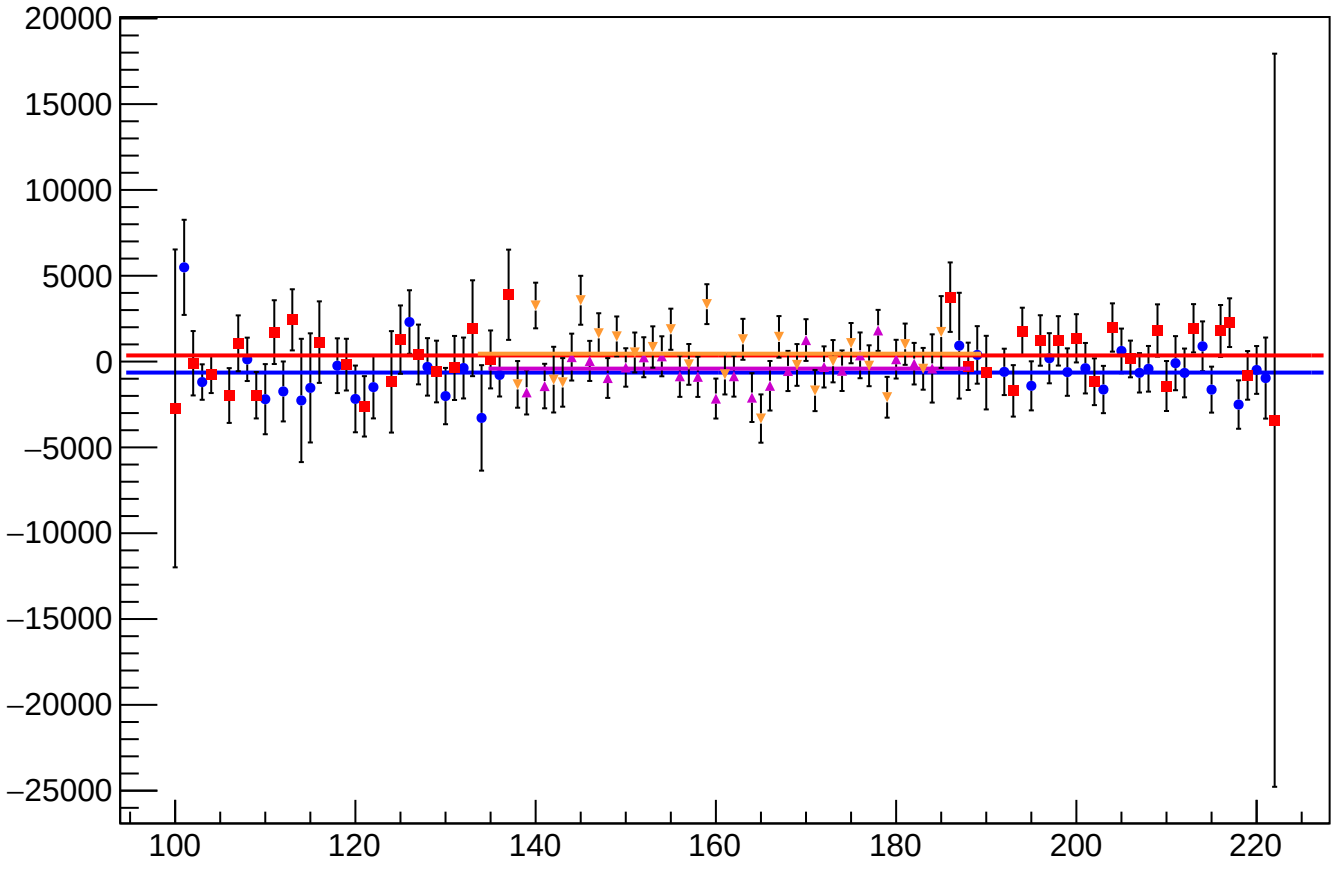
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 2839.180+/-0.361 χ^2/NDF: 25355251.6/70

In: 3304.269+/-0.405 χ^2/NDF:13185650.8/56

Out: 3066.134+/-0.380 χ^2/NDF:16769057.8/61

All: 3177.795+/-0.277 χ^2/NDF: 30138750.2/1



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 357.141+/-266.586 χ^2/NDF: 31.5/36

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

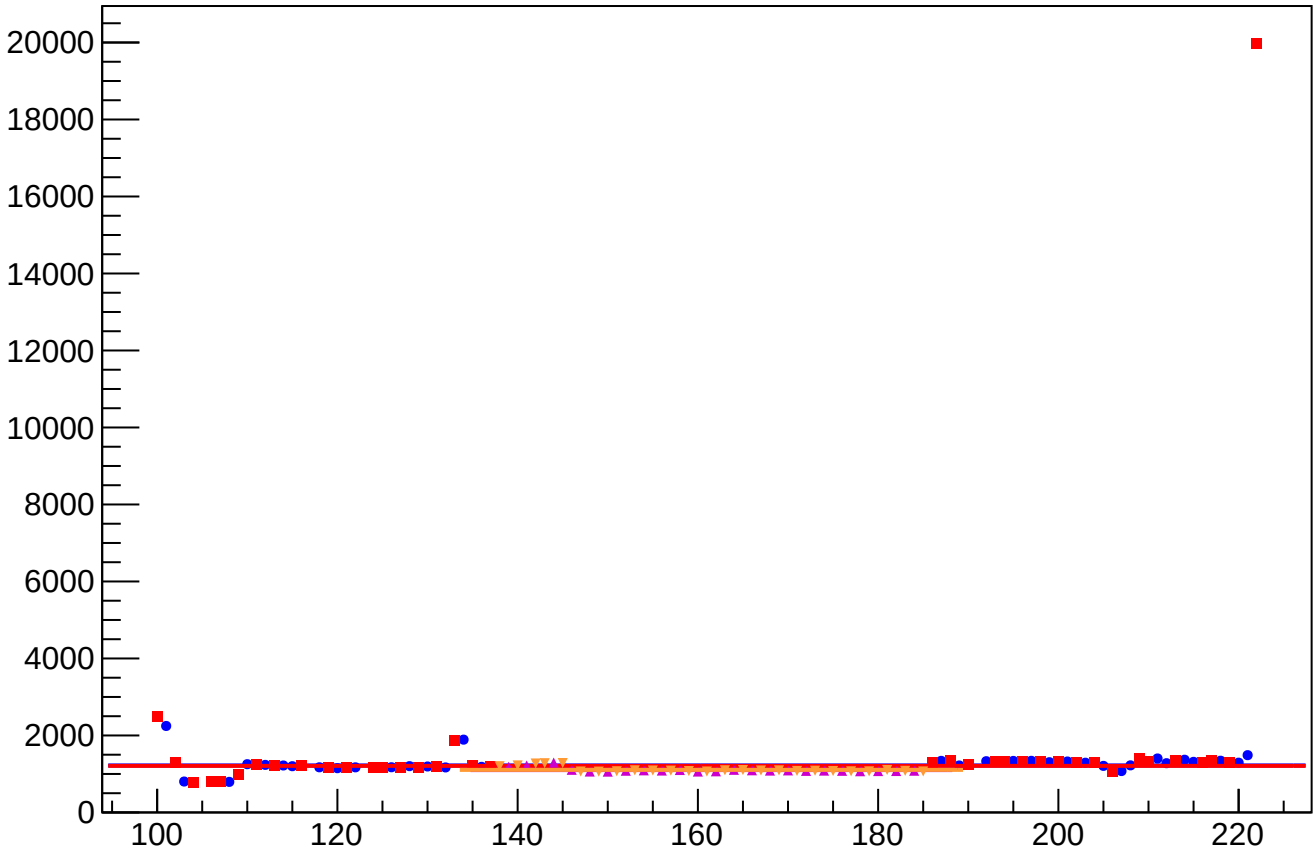
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -140.562+/-188.752 χ^2/NDF: 56.6/70

In: -521.606+/-185.331 χ^2/NDF:32.1/56

Out: 410.944+/-182.953 χ^2/NDF:73.7/61

All: -49.310+/-130.200 χ^2/NDF: 118.6/118



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: 1210.071+/-0.188 χ^2/NDF: 2562442.7/36

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

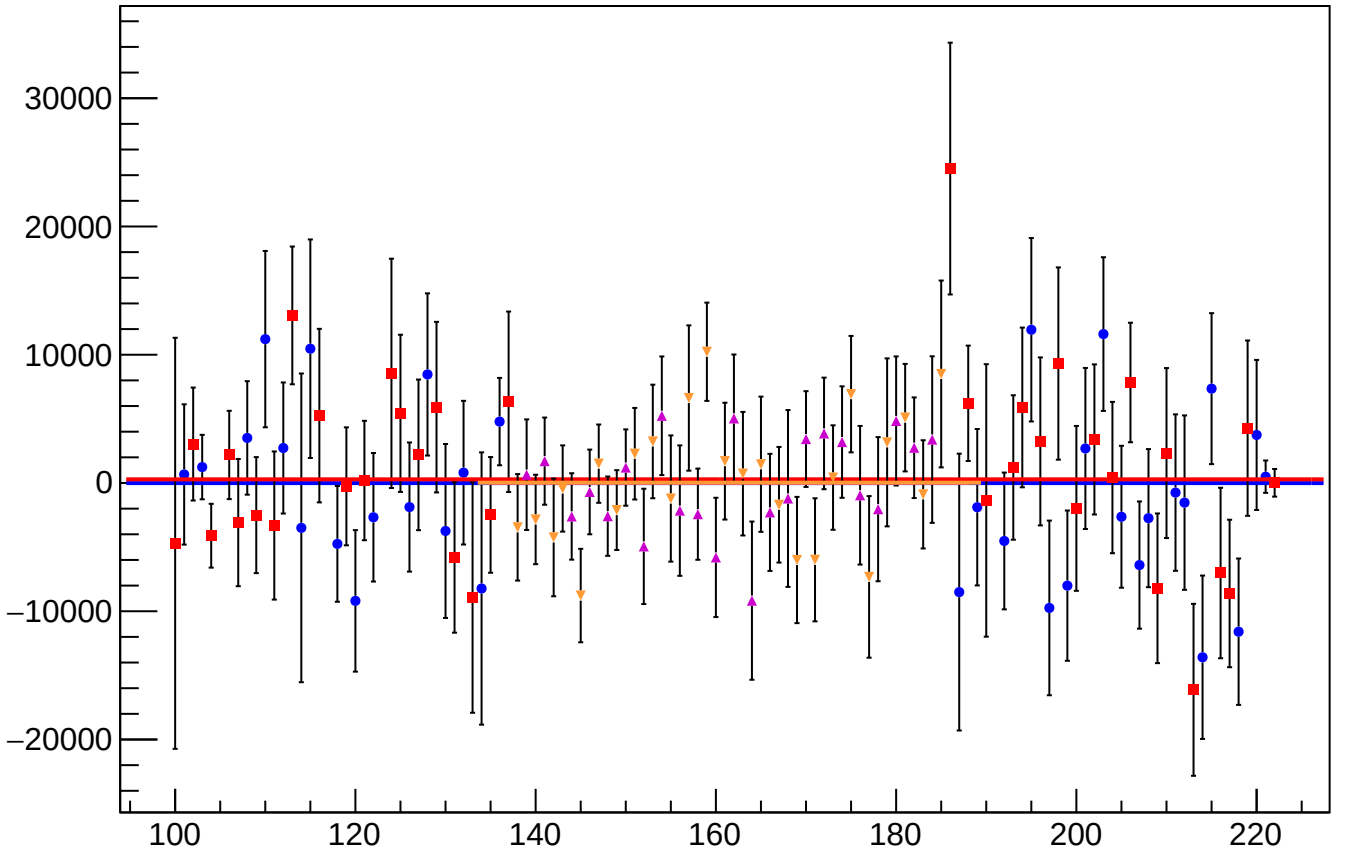
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1215.690+/-0.133 χ^2/NDF: 3705563.5/70

In: 1158.523+/-0.131 χ^2/NDF:1434382.0/56

Out: 1154.819+/-0.129 χ^2/NDF:2847178.0/61

All: 1156.647+/-0.092 χ^2/NDF: 4281964.8/11



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: 285.860+/-693.722 χ^2/NDF: 42.6/36

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

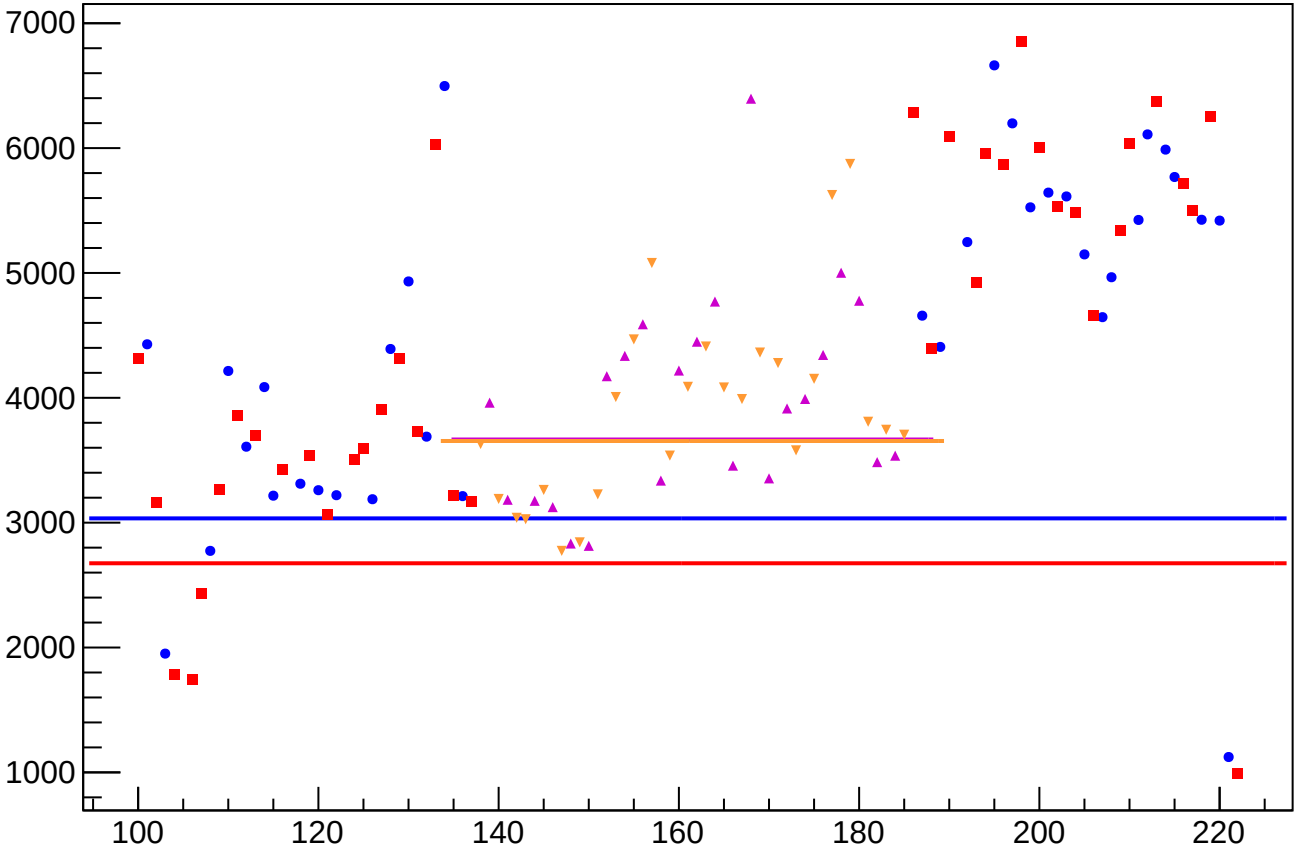
Right: 151.379+/-511.116 χ^2/NDF: 82.2/70

In: -2.034+/-572.097 χ^2/NDF:53.5/56

Out: 180.976+/-537.550 χ^2/NDF:71.1/61

All: 95.163+/-391.749 χ^2/NDF: 124.7/118

asym_usr_atr2_dd_eigen_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: 2674.803+/-0.491 χ^2/NDF: 13864496.3/36

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

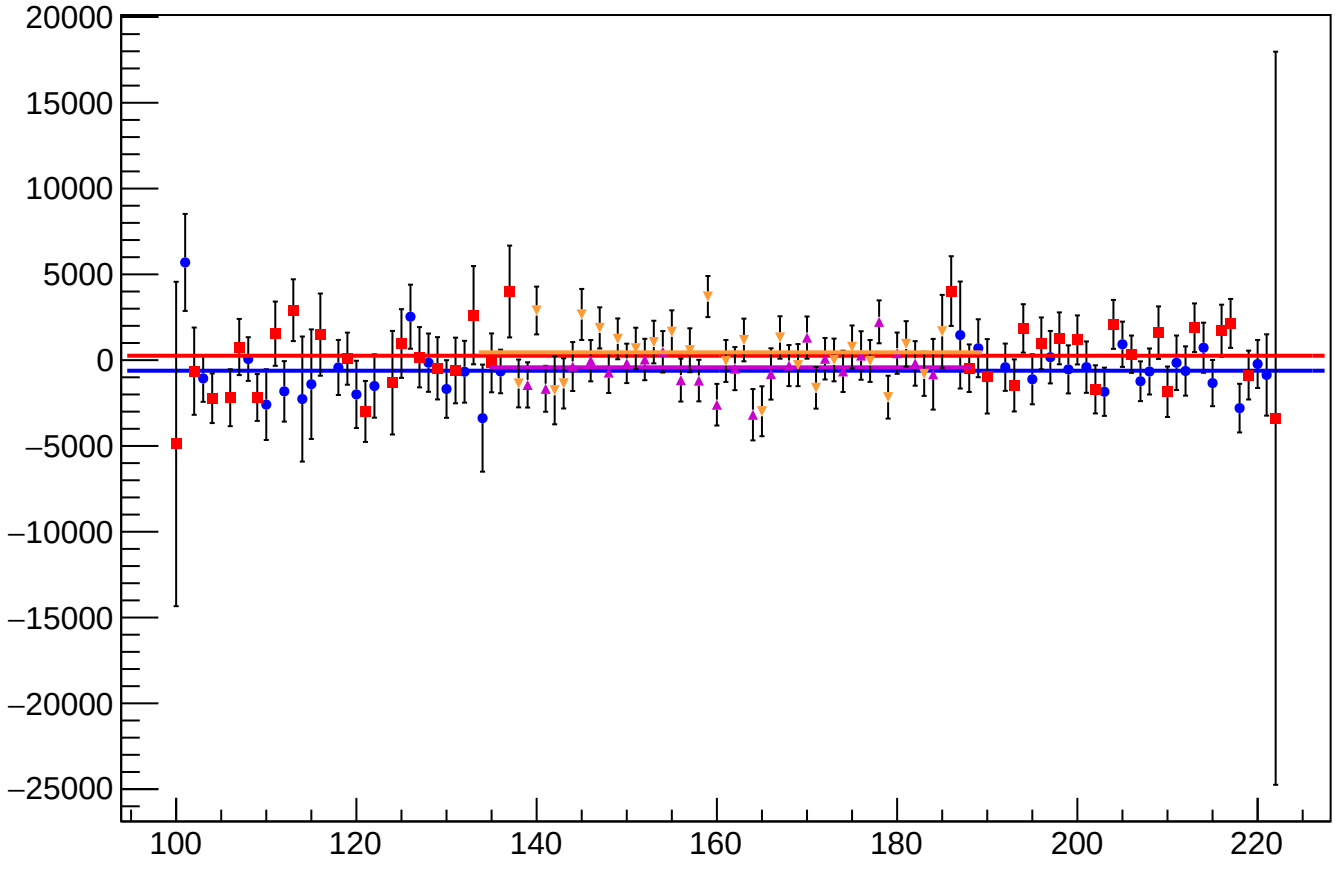
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 2839.180+/-0.361 χ^2/NDF: 25355251.6/70

In: 3304.269+/-0.405 χ^2/NDF:13185650.8/56

Out: 3066.134+/-0.380 χ^2/NDF:16769057.8/61

All: 3177.795+/-0.277 χ^2/NDF: 30138750.2/



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: 259.004+/-274.932 χ^2/NDF: 37.3/36

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

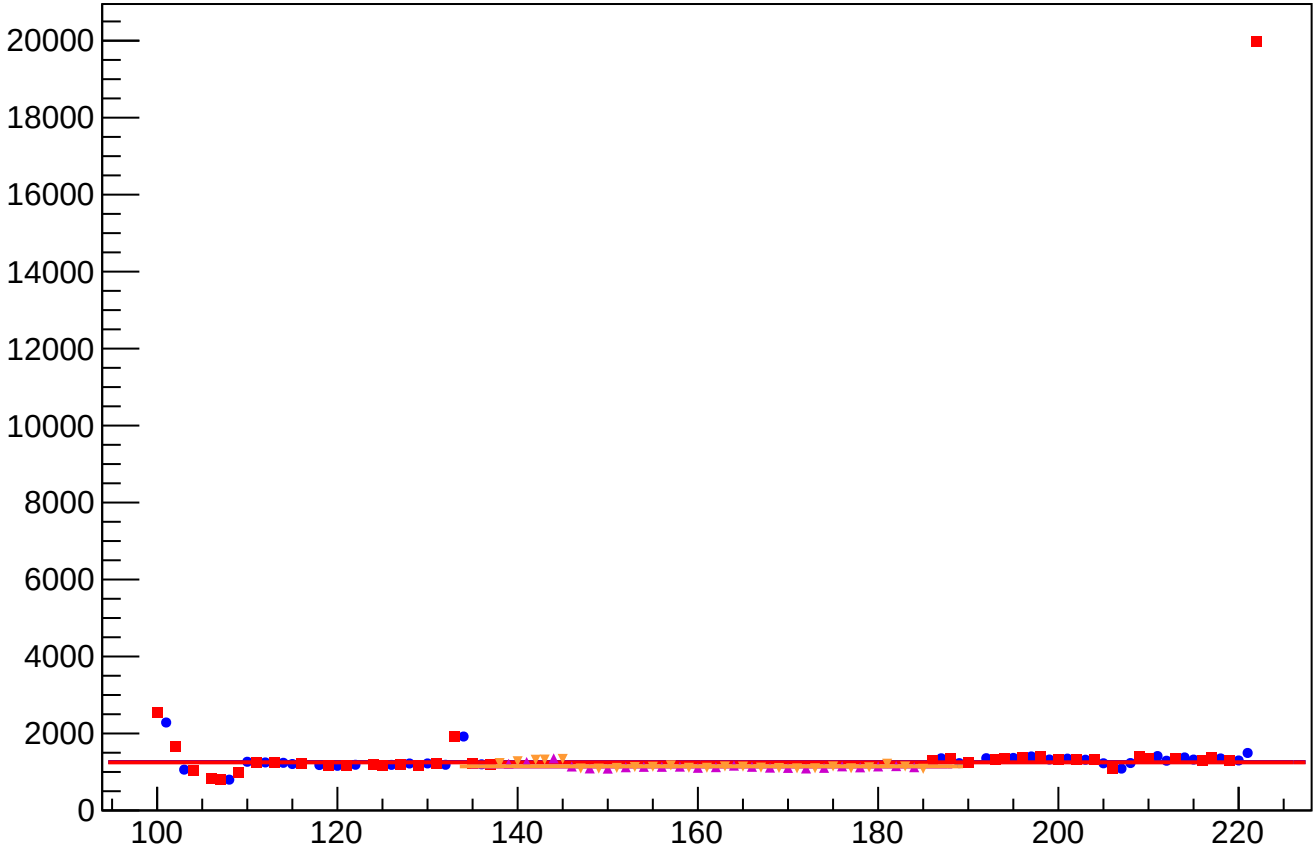
Right: -178.760+/-194.237 χ^2/NDF: 61.8/70

In: -513.224+/-191.224 χ^2/NDF:37.0/56

Out: 362.465+/-189.291 χ^2/NDF:73.7/61

All: -70.930+/-134.527 χ^2/NDF: 121.3/118

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: 1250.228+/-0.194 χ^2/NDF: 2332052.2/36

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

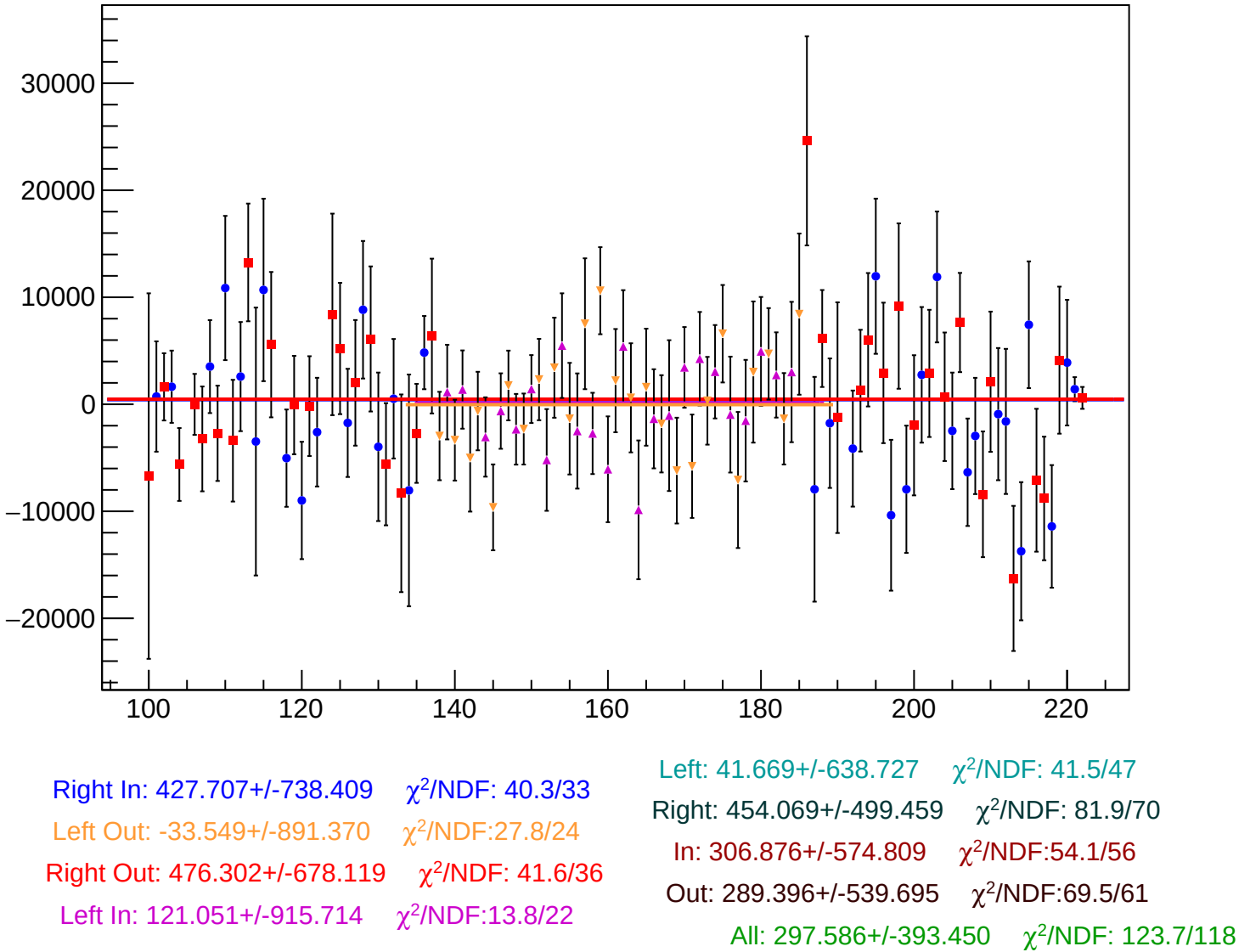
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

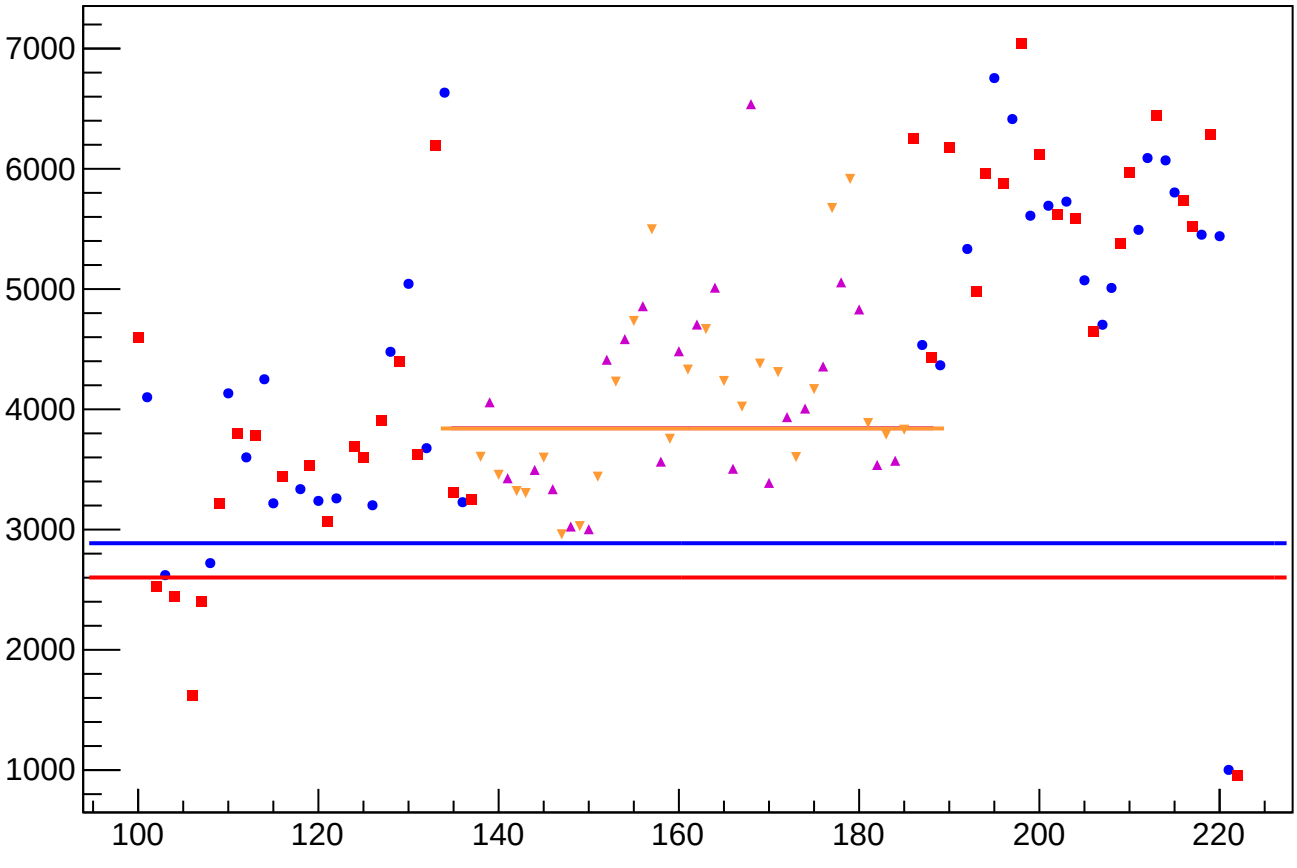
Right: 1254.259+/-0.137 χ^2/NDF: 3184299.7/70

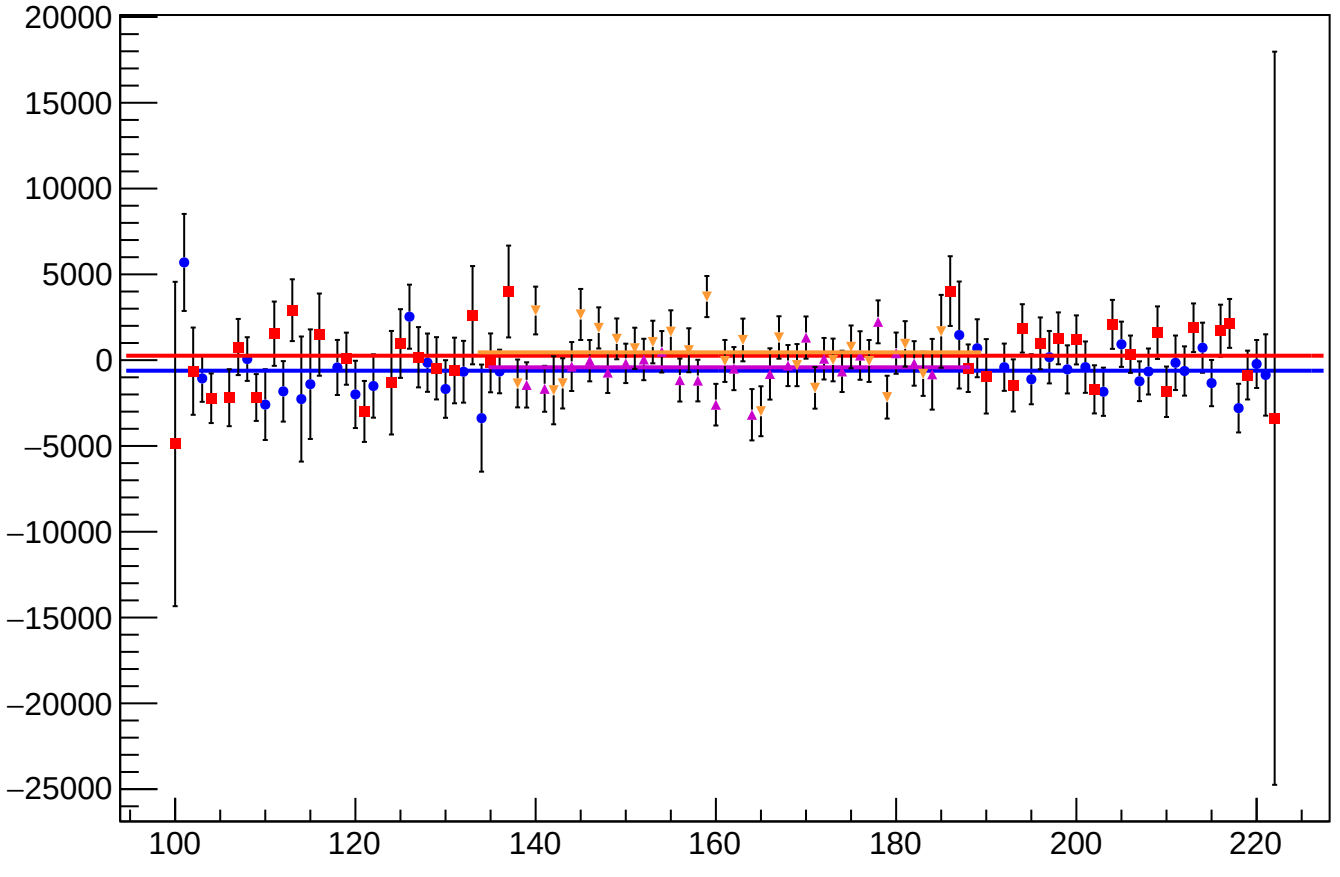
In: 1197.505+/-0.135 χ^2/NDF:1126709.8/56

Out: 1195.739+/-0.134 χ^2/NDF:2622505.5/61

All: 1196.613+/-0.095 χ^2/NDF: 3749301.5/11


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 427.707+/-738.409 χ²/NDF: 40.3/33
Left Out: -33.549+/-891.370 χ²/NDF:27.8/24
Right Out: 476.302+/-678.119 χ²/NDF: 41.6/36
Left In: 121.051+/-915.714 χ²/NDF:13.8/22
Left: 41.669+/-638.727 χ²/NDF: 41.5/47
Right: 454.069+/-499.459 χ²/NDF: 81.9/70
In: 306.876+/-574.809 χ²/NDF:54.1/56
Out: 289.396+/-539.695 χ²/NDF:69.5/61
All: 297.586+/-393.450 χ²/NDF: 123.7/118


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2886.510+/-0.522 χ²/NDF: 12852821.1/33
Left Out: 3840.830+/-0.630 χ²/NDF:1118666.6/24
Right Out: 2601.633+/-0.480 χ²/NDF: 14592049.0/36
Left In: 3843.328+/-0.648 χ²/NDF:1196057.8/22
Left: 3842.046+/-0.452 χ²/NDF: 2314732.0/47
Right: 2731.969+/-0.353 χ²/NDF: 27606357.3/70
In: 3263.523+/-0.406 χ²/NDF:15372067.0/56
Out: 3055.910+/-0.382 χ²/NDF:18159097.1/61
All: 3153.182+/-0.278 χ²/NDF: 33669830.6/1



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: 259.004+/-274.932 χ^2/NDF: 37.3/36

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

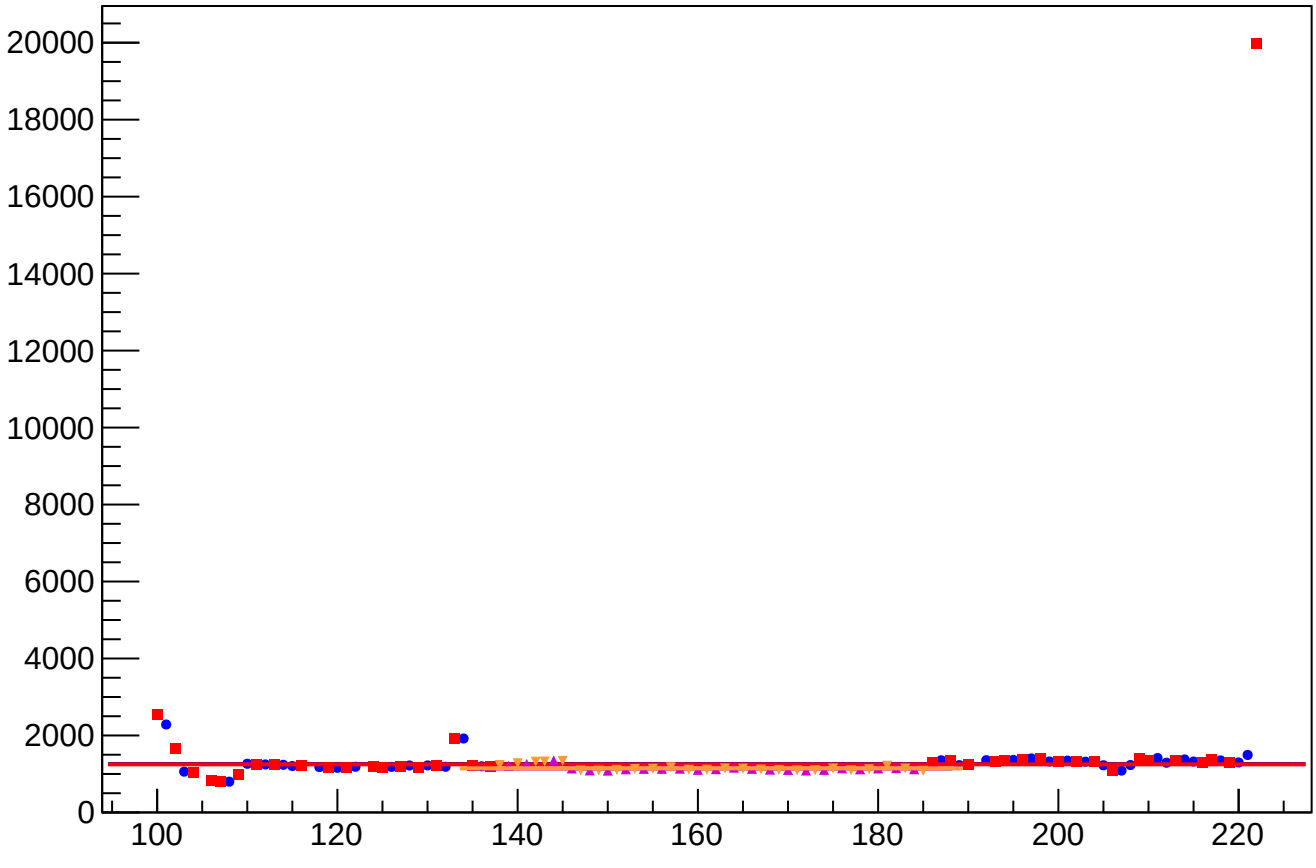
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -178.757+/-194.237 χ^2/NDF: 61.8/70

In: -513.221+/-191.224 χ^2/NDF:37.0/56

Out: 362.468+/-189.291 χ^2/NDF:73.7/61

All: -70.927+/-134.527 χ^2/NDF: 121.3/118



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: 1250.228+/-0.194 χ^2/NDF: 2332051.5/36

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

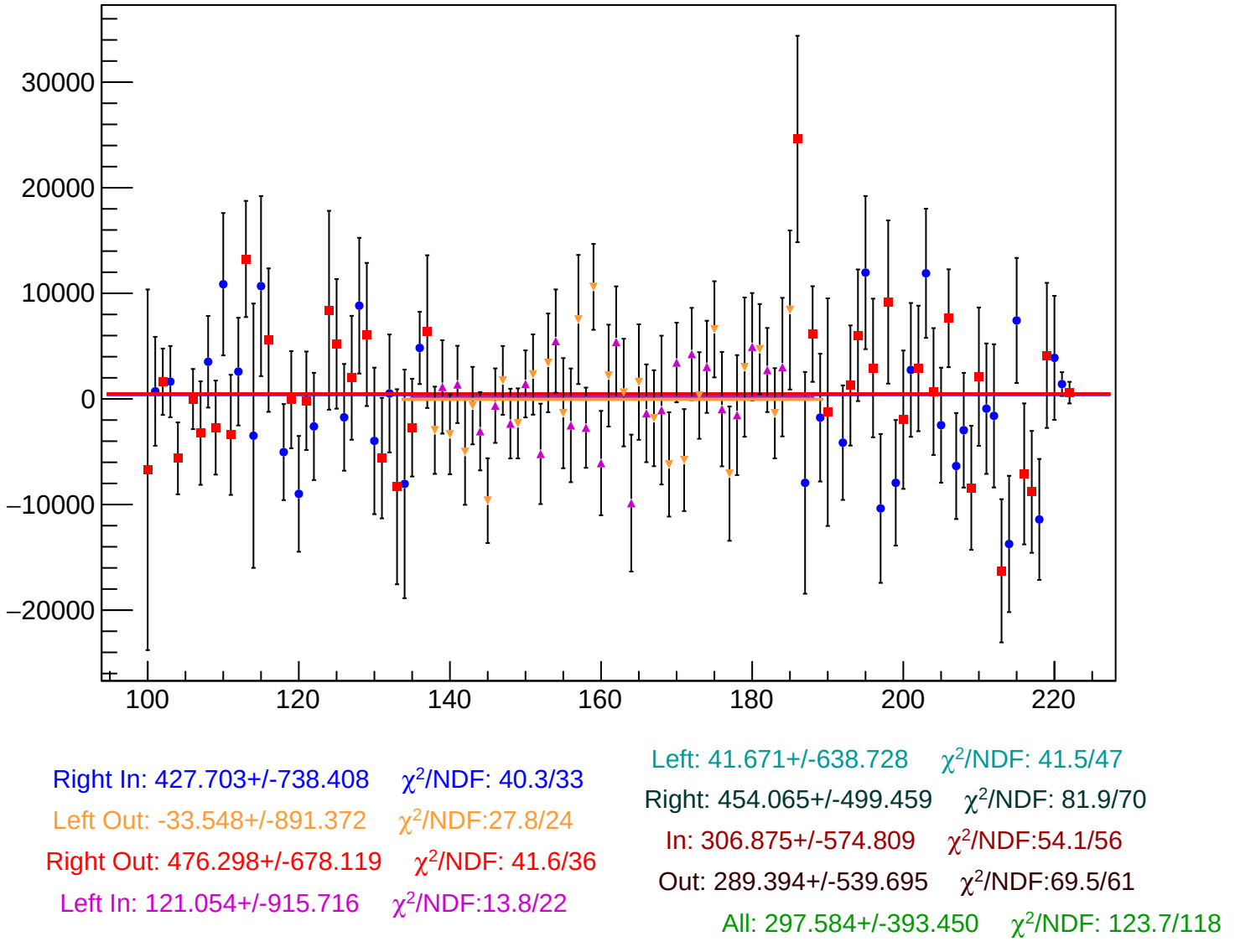
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

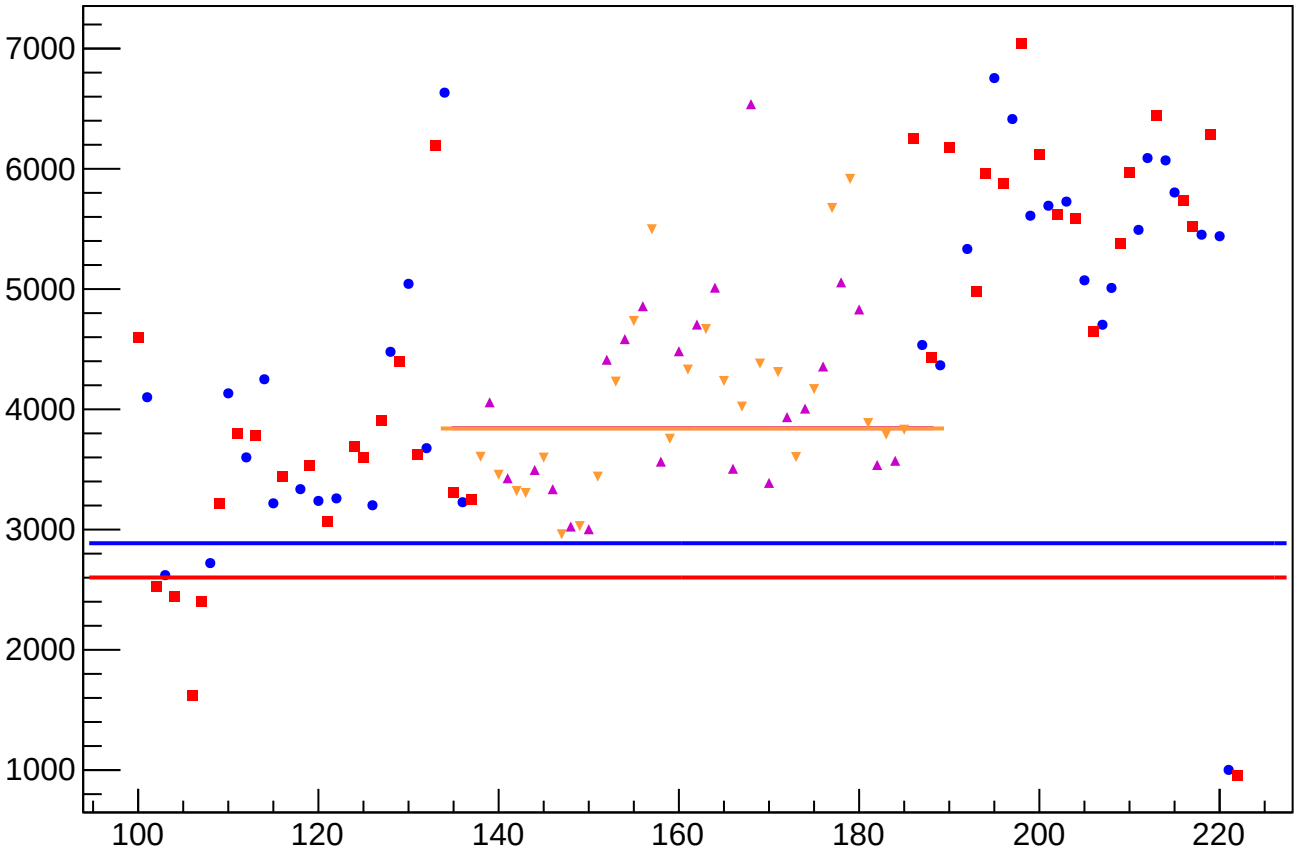
Right: 1254.259+/-0.137 χ^2/NDF: 3184299.9/70

In: 1197.505+/-0.135 χ^2/NDF:1126708.0/56

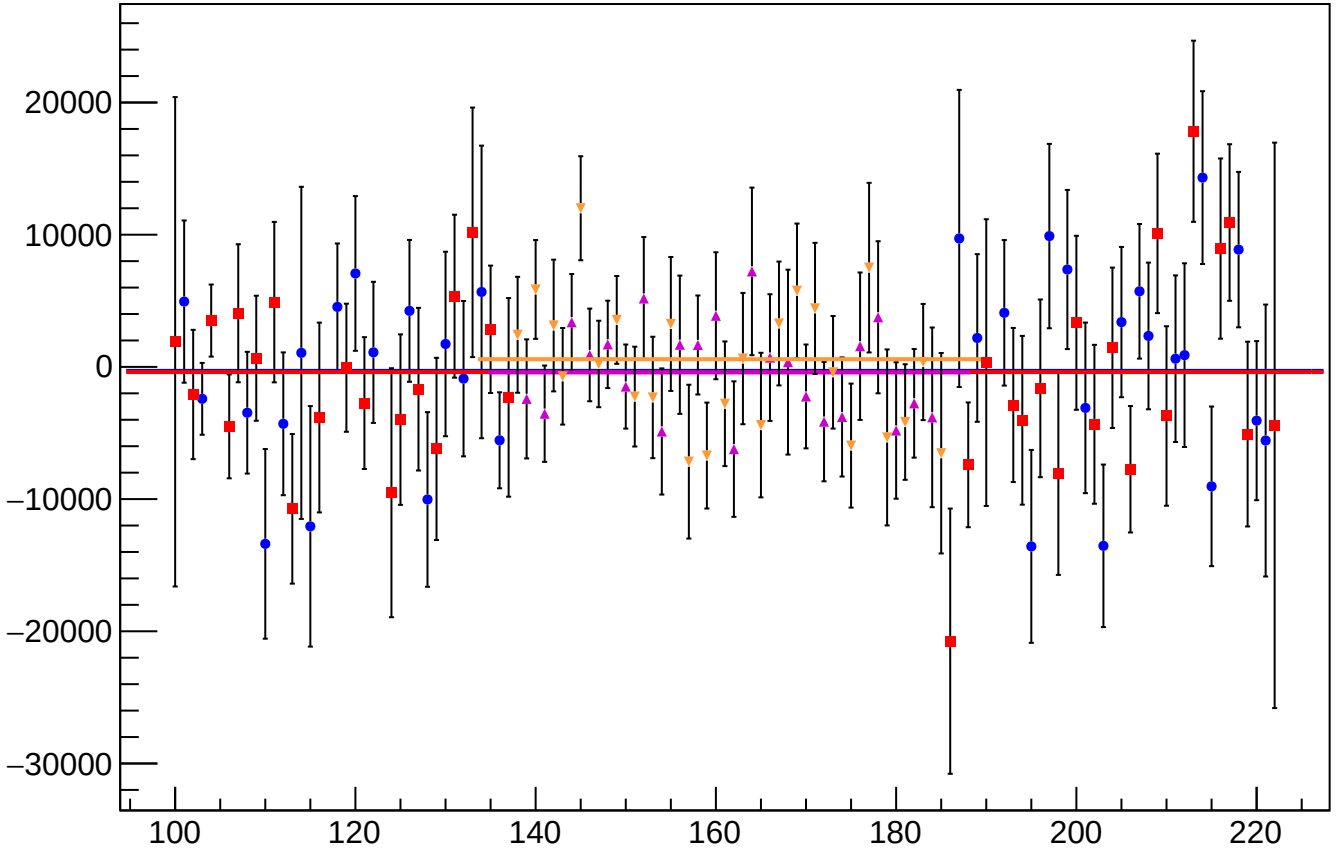
Out: 1195.740+/-0.134 χ^2/NDF:2622503.5/61

All: 1196.613+/-0.095 χ^2/NDF: 3749297.6/11


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 427.703+/-738.408 χ²/NDF: 40.3/33
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 476.298+/-678.119 χ²/NDF: 41.6/36
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 454.065+/-499.459 χ²/NDF: 81.9/70
In: 306.875+/-574.809 χ²/NDF:54.1/56
Out: 289.394+/-539.695 χ²/NDF:69.5/61
All: 297.584+/-393.450 χ²/NDF: 123.7/118


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2886.508+/-0.522 χ²/NDF: 12852838.9/33
Left Out: 3840.836+/-0.630 χ²/NDF:1118668.2/24
Right Out: 2601.634+/-0.480 χ²/NDF: 14592041.5/36
Left In: 3843.333+/-0.648 χ²/NDF:1196061.6/22
Left: 3842.051+/-0.452 χ²/NDF: 2314737.5/47
Right: 2731.969+/-0.353 χ²/NDF: 27606364.4/70
In: 3263.523+/-0.406 χ²/NDF:15372106.2/56
Out: 3055.912+/-0.382 χ²/NDF:18159104.4/61
All: 3153.183+/-0.278 χ²/NDF: 33669874.6/

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -301.951+/-986.244 χ^2/NDF: 41.2/33

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -389.484+/-958.476 χ^2/NDF: 40.7/36

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

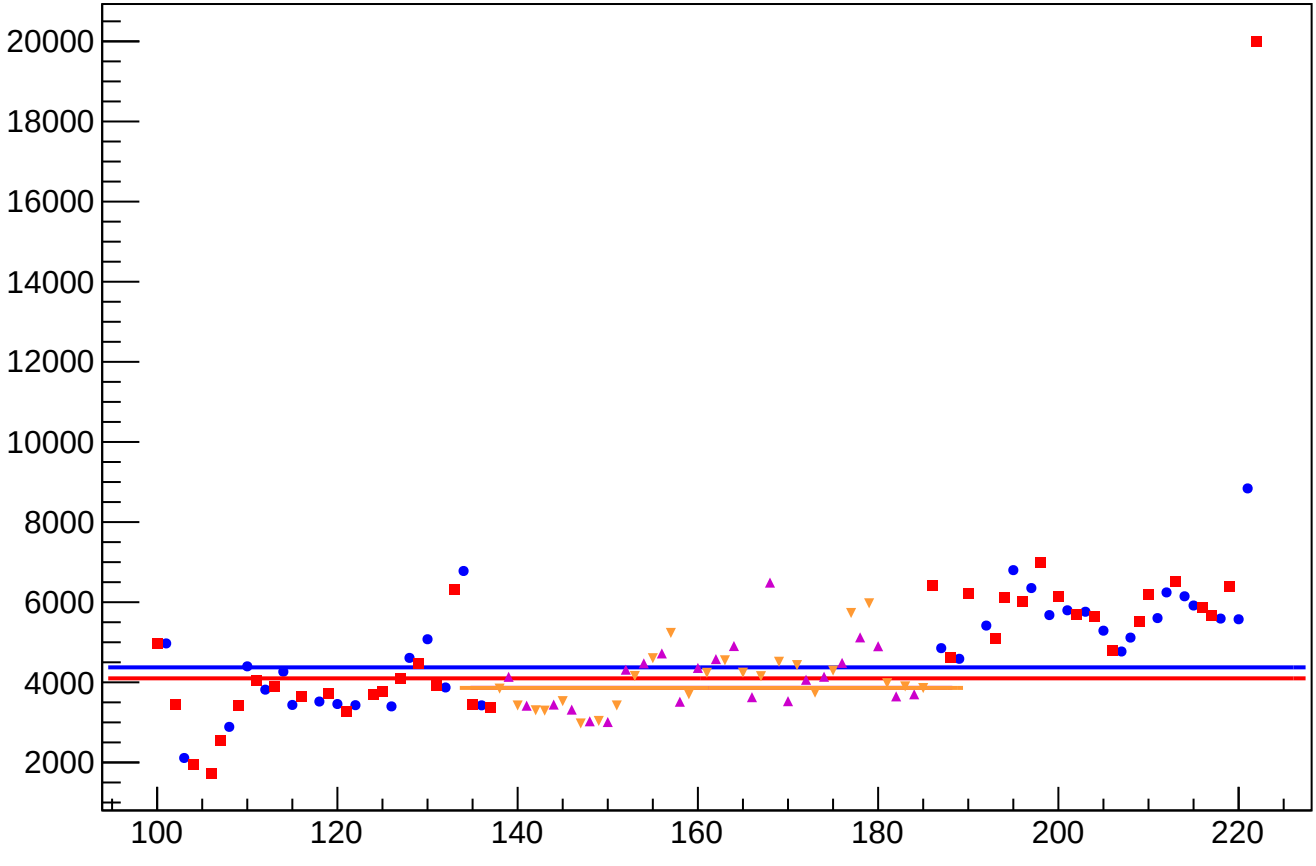
Right: -346.967+/-687.352 χ^2/NDF: 81.8/70

In: -363.425+/-672.350 χ^2/NDF:53.6/56

Out: 130.226+/-654.112 χ^2/NDF:68.7/61

All: -109.813+/-468.842 χ^2/NDF: 122.6/118

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: 4099.439+/-0.671 χ^2/NDF: 6305116.3/36

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

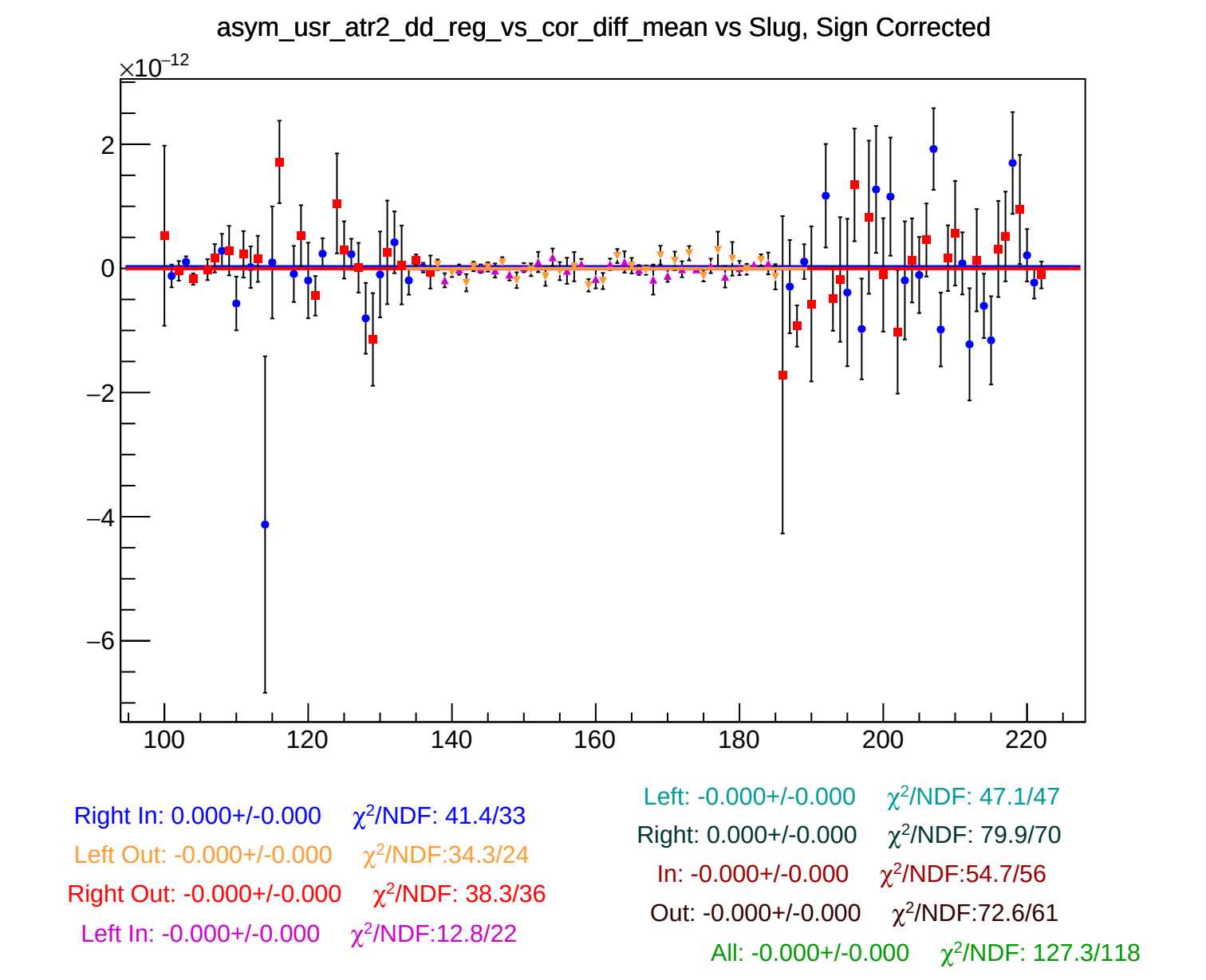
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

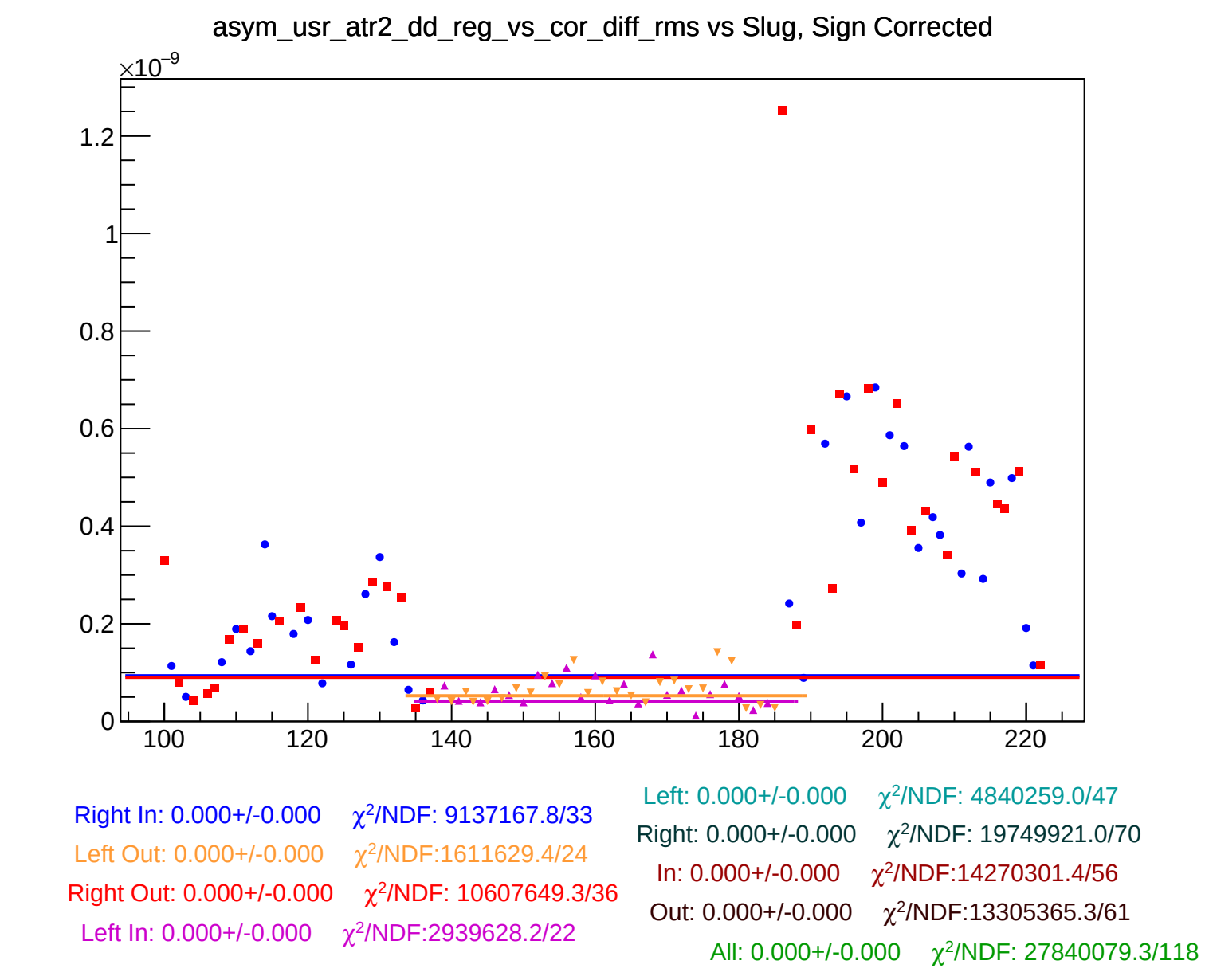
Right: 4231.244+/-0.483 χ^2/NDF: 10444581.8/70

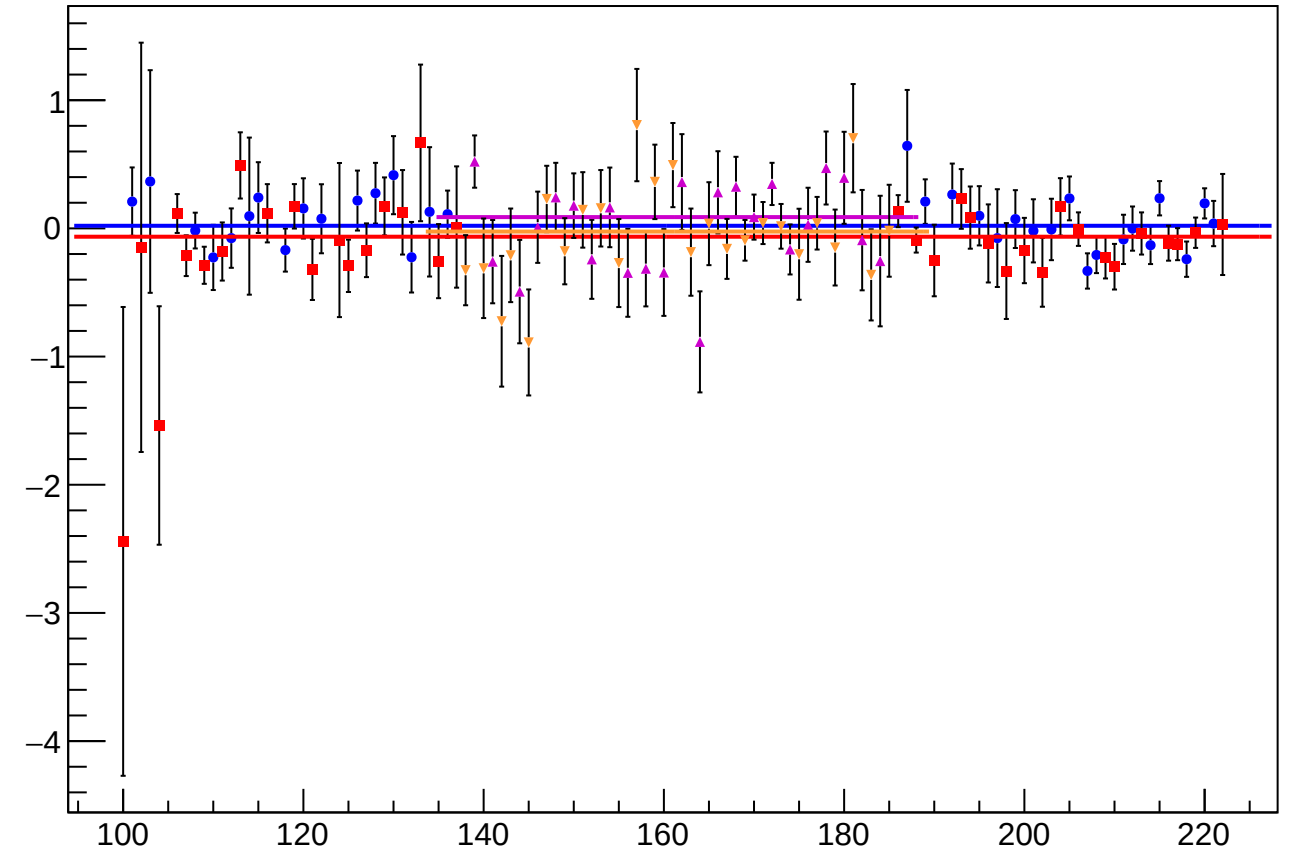
In: 4100.012+/-0.475 χ^2/NDF:5489106.5/56

Out: 3973.042+/-0.460 χ^2/NDF:7469532.7/61

All: 4034.472+/-0.331 χ^2/NDF: 12995456.2/1


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: 38.3/36
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 79.9/70
In: -0.000+/-0.000 χ²/NDF:54.7/56
Out: -0.000+/-0.000 χ²/NDF:72.6/61
All: -0.000+/-0.000 χ²/NDF: 127.3/118


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: 10607649.3/36
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: 19749921.0/70
In: 0.000+/-0.000 χ²/NDF:14270301.4/56
Out: 0.000+/-0.000 χ²/NDF:13305365.3/61
All: 0.000+/-0.000 χ²/NDF: 27840079.3/118



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: -0.065+/-0.032 χ^2/NDF: 33.6/36

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

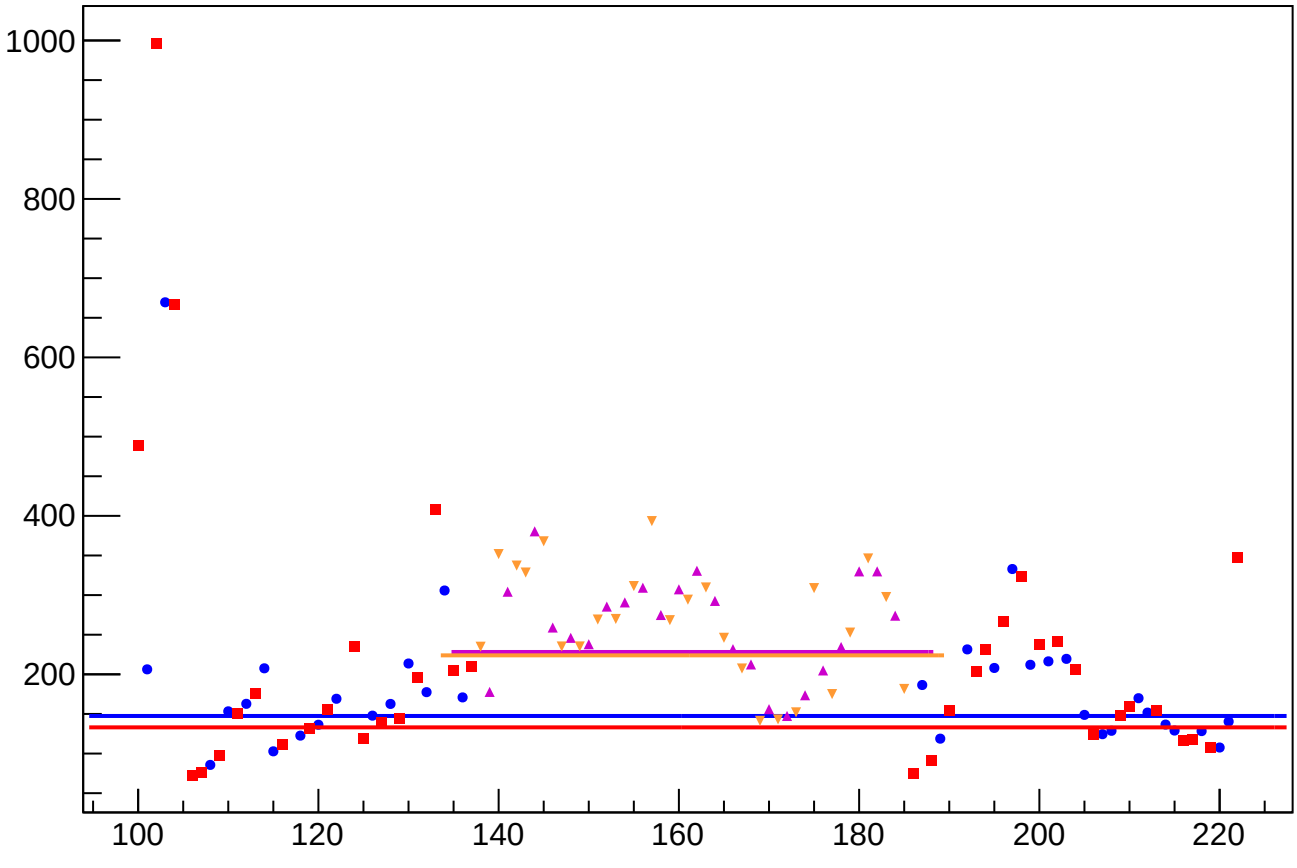
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.023 χ^2/NDF: 70.6/70

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.1/61

All: -0.011+/-0.020 χ^2/NDF: 128.2/118



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.060+/-0.023 χ^2/NDF: 6813004.8/36

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

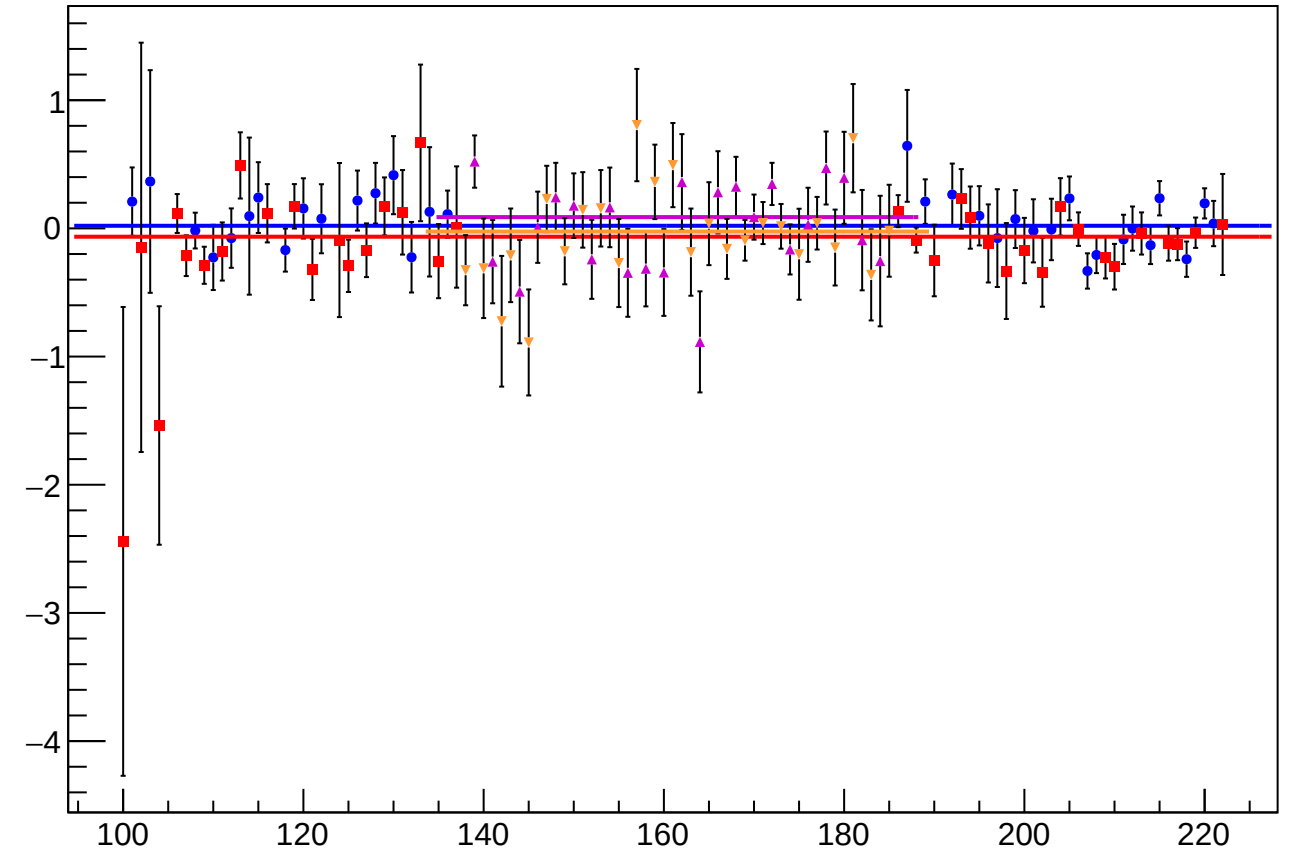
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.820+/-0.016 χ^2/NDF: 10576389.5/70

In: 168.756+/-0.021 χ^2/NDF:9052938.2/56

Out: 156.254+/-0.020 χ^2/NDF:14378805.8/61

All: 162.169+/-0.014 χ^2/NDF: 23626150.0/1



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: -0.065+/-0.032 χ^2/NDF: 33.6/36

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

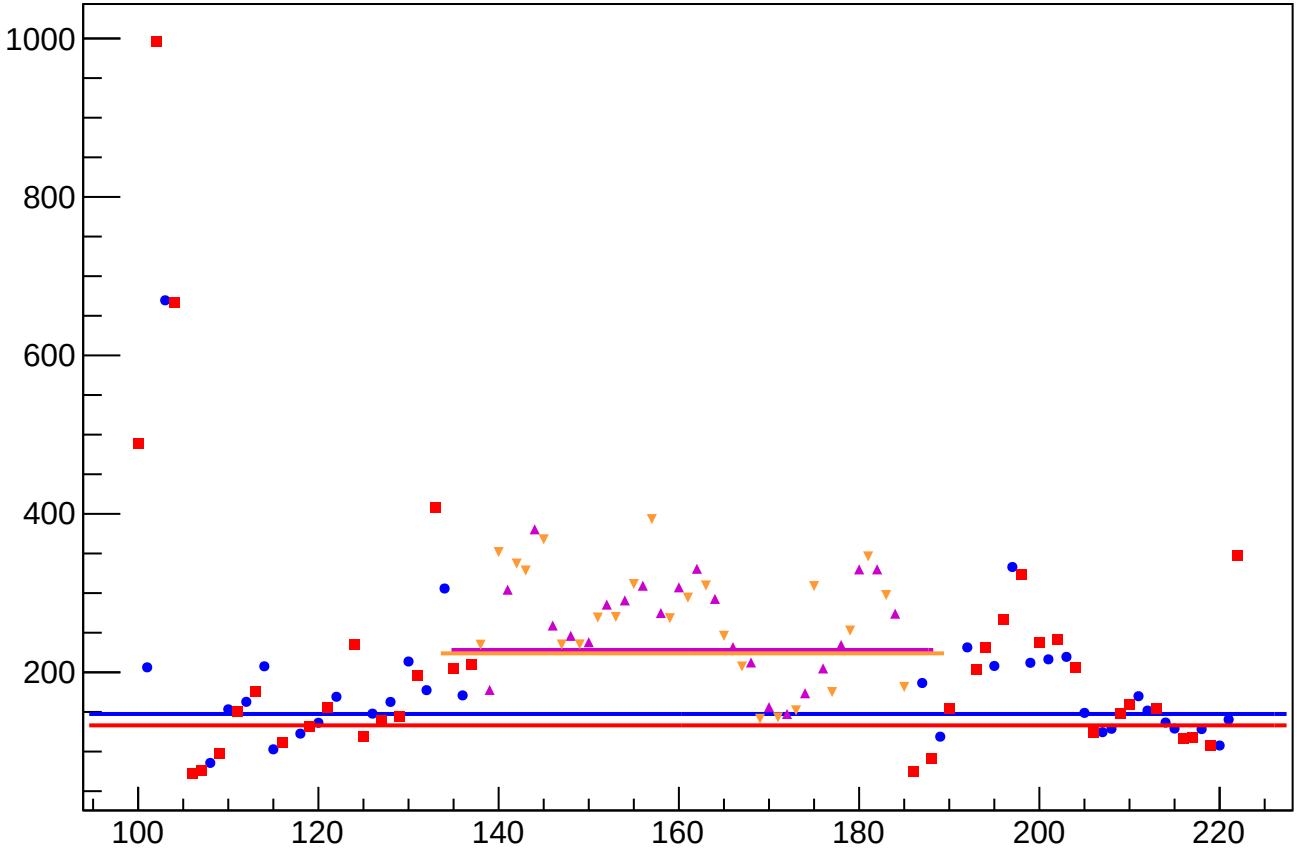
Right: -0.025+/-0.023 χ^2/NDF: 70.6/70

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.1/61

All: -0.011+/-0.020 χ^2/NDF: 128.2/118

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.060+/-0.023 χ^2/NDF: 6813004.8/36

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

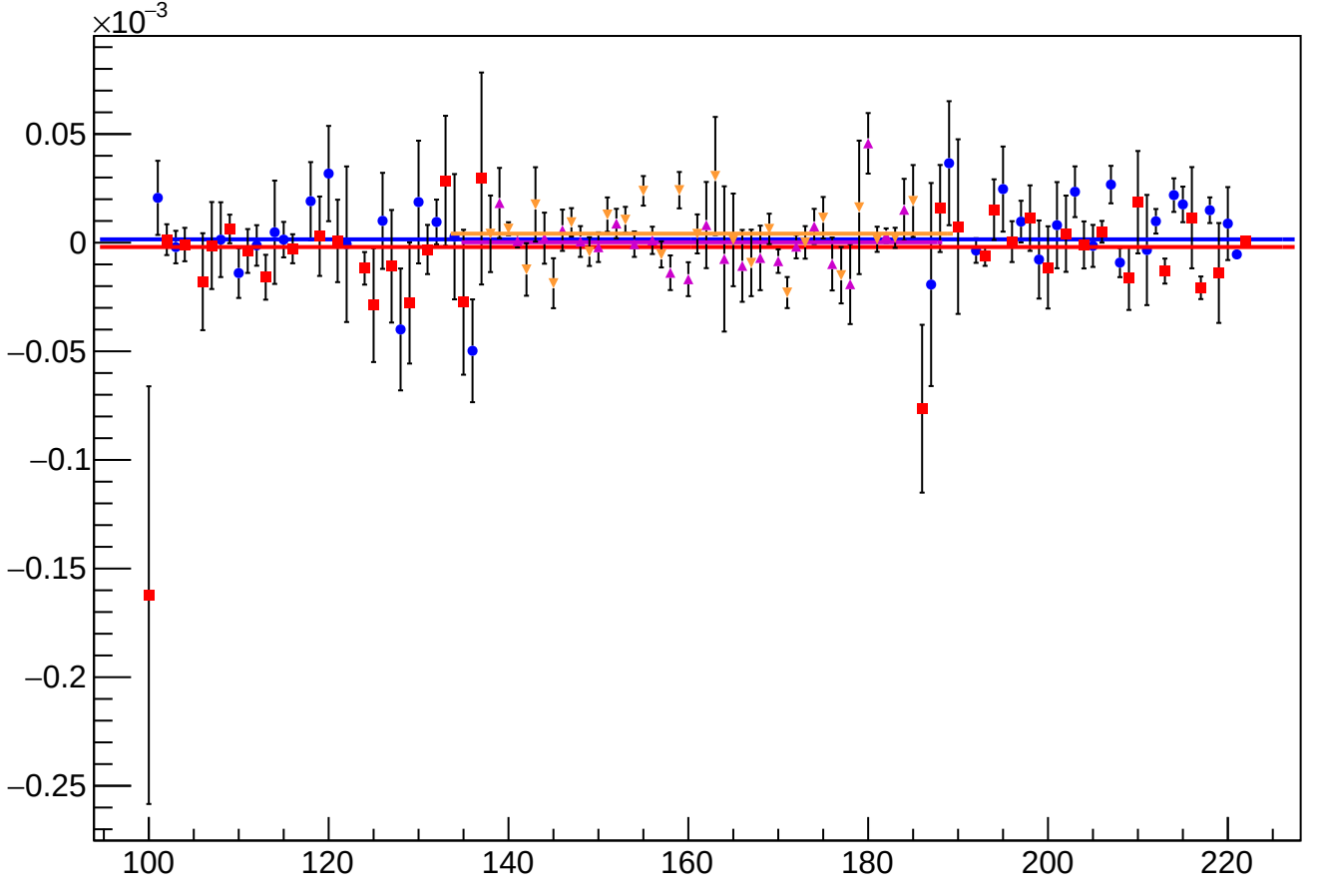
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.820+/-0.016 χ^2/NDF: 10576389.5/70

In: 168.756+/-0.021 χ^2/NDF:9052938.2/56

Out: 156.254+/-0.020 χ^2/NDF:14378805.8/61

All: 162.169+/-0.014 χ^2/NDF: 23626150.0/1



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: 44.7/36

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

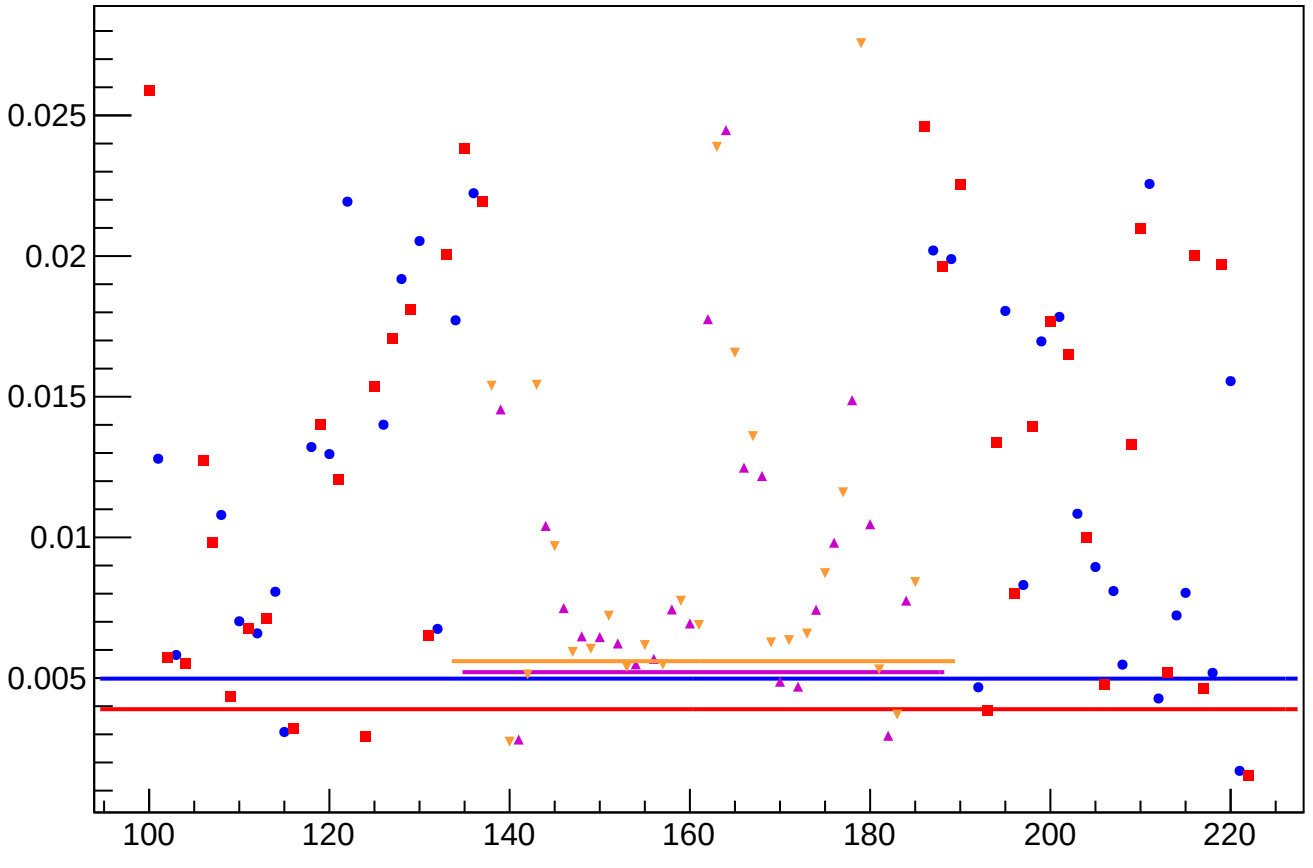
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 110.5/70

In: 0.000+/-0.000 χ^2/NDF:92.7/56

Out: 0.000+/-0.000 χ^2/NDF:104.2/61

All: 0.000+/-0.000 χ^2/NDF: 197.0/118



Right In: 0.005+/-0.000 χ^2/NDF: 16411037.5/33

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 20621504.5/36

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

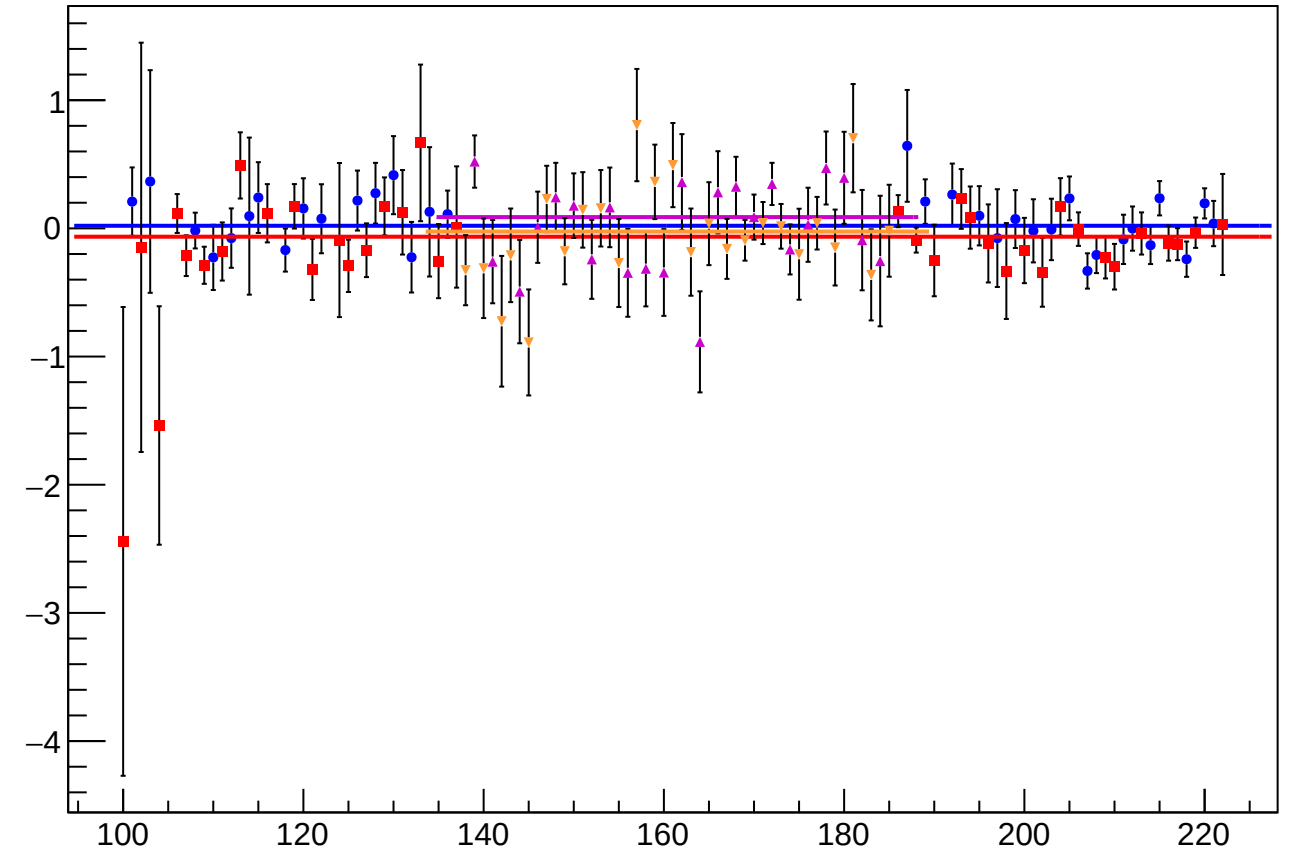
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.004+/-0.000 χ^2/NDF: 37722221.7/70

In: 0.005+/-0.000 χ^2/NDF:23897535.2/56

Out: 0.005+/-0.000 χ^2/NDF:30037050.9/61

All: 0.005+/-0.000 χ^2/NDF: 54240368.7/118



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: -0.065+/-0.032 χ^2/NDF: 33.6/36

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

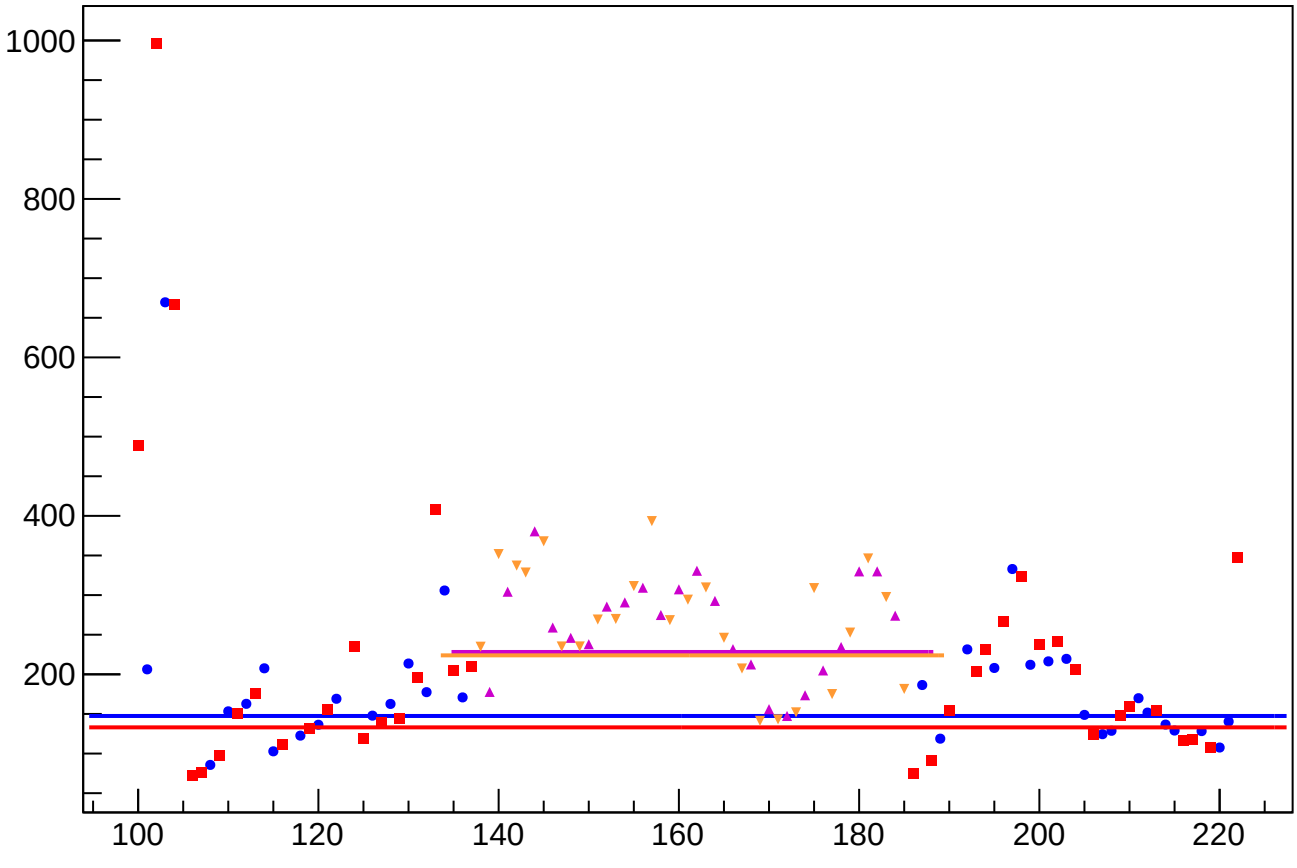
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.023 χ^2/NDF: 70.6/70

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.1/61

All: -0.011+/-0.020 χ^2/NDF: 128.2/118



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.064+/-0.023 χ^2/NDF: 6812455.4/36

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

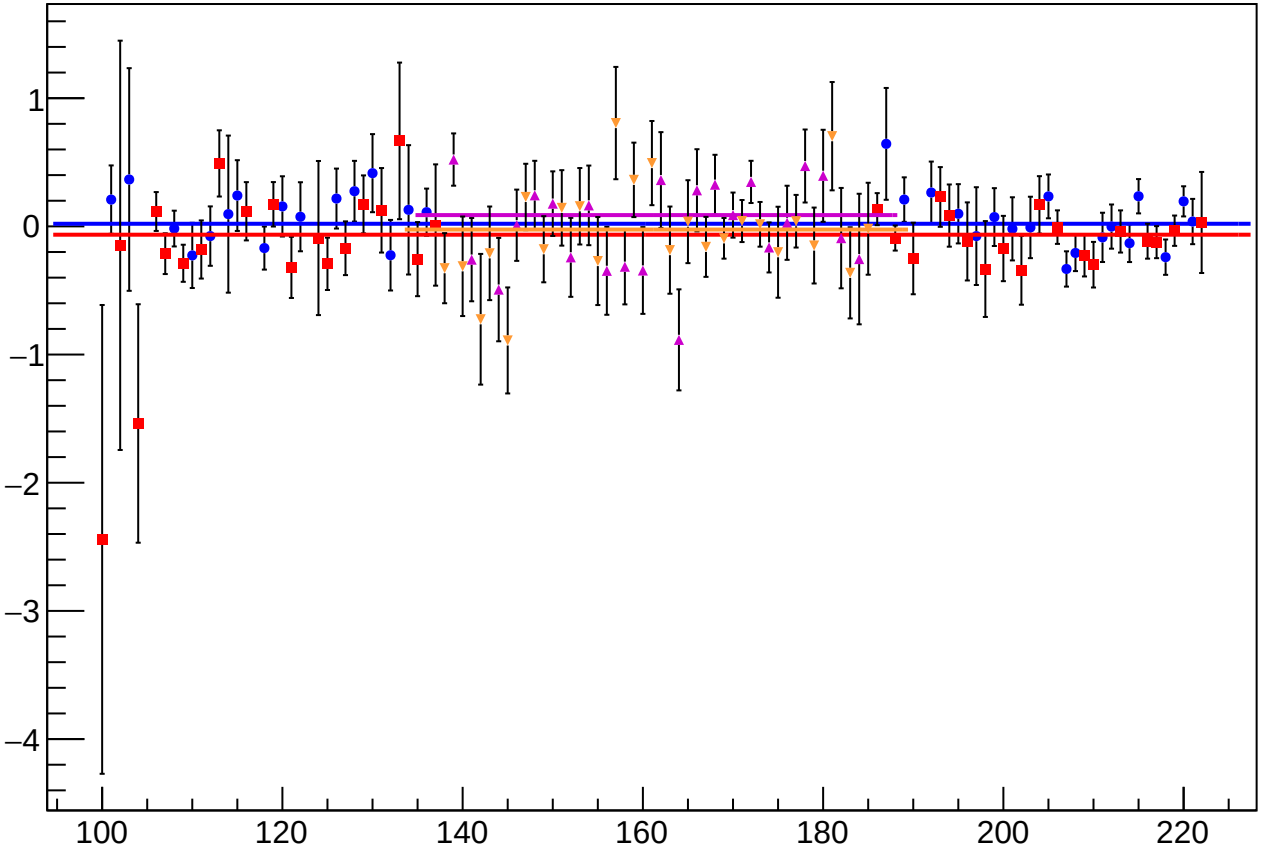
Right: 139.822+/-0.016 χ^2/NDF: 10575859.6/70

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 156.257+/-0.020 χ^2/NDF:14378098.9/61

All: 162.170+/-0.014 χ^2/NDF: 23625727.3/1

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.065+/-0.032 χ^2/NDF: 33.6/36

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

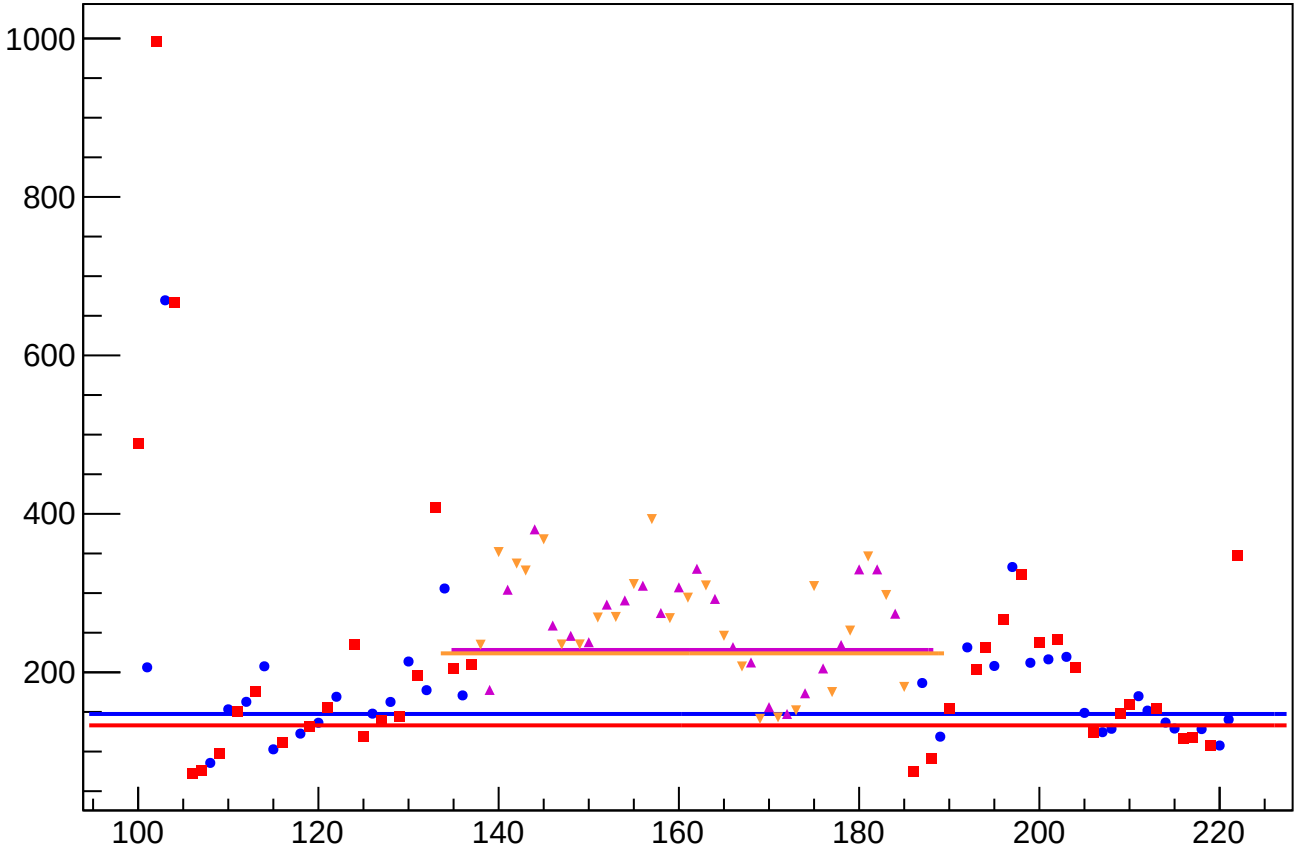
Right: -0.025+/-0.023 χ^2/NDF: 70.6/70

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.1/61

All: -0.011+/-0.020 χ^2/NDF: 128.2/118

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.064+/-0.023 χ^2/NDF: 6812455.4/36

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

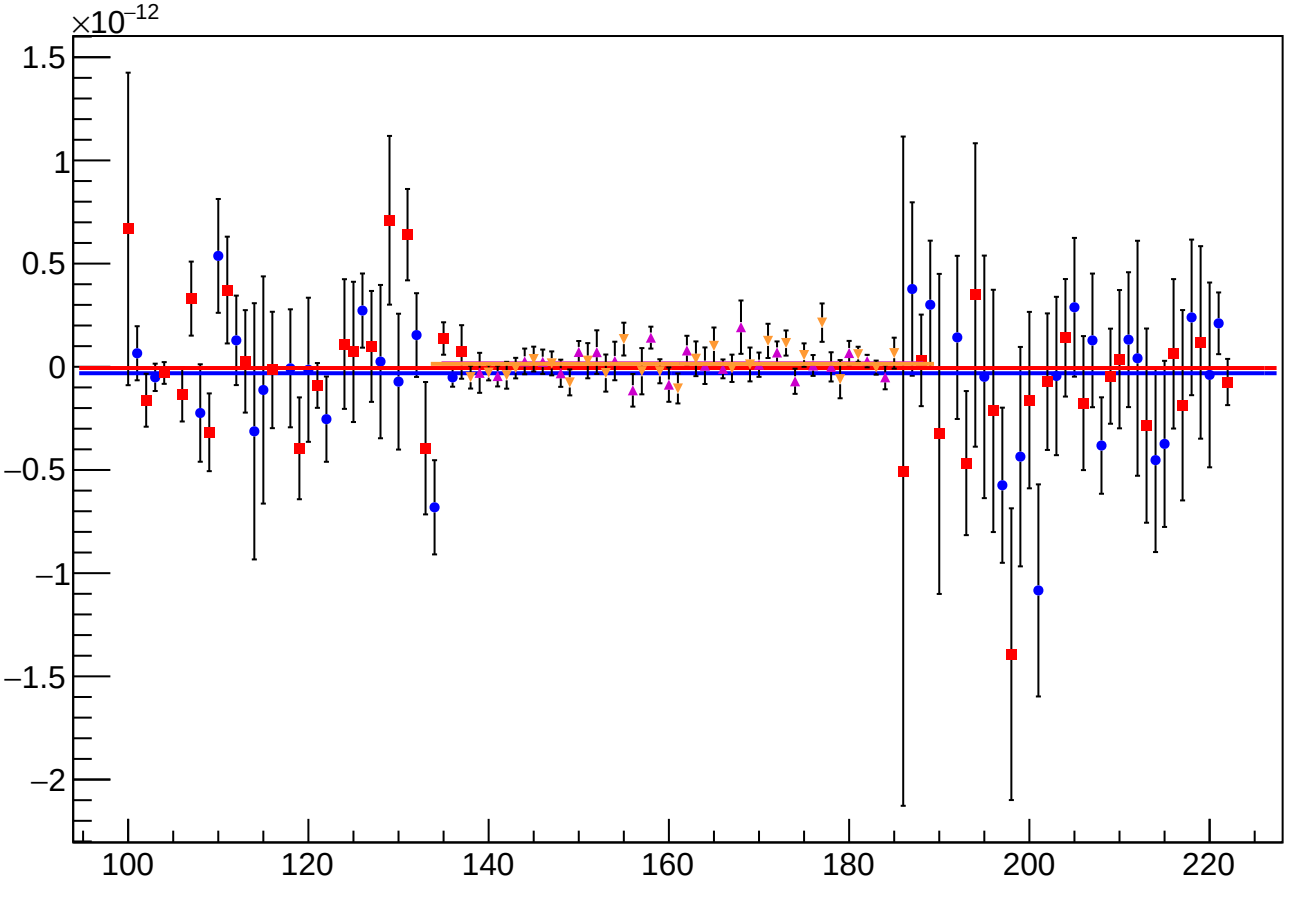
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 139.822+/-0.016 χ^2/NDF: 10575859.6/70

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 156.257+/-0.020 χ^2/NDF:14378098.9/61

All: 162.170+/-0.014 χ^2/NDF: 23625727.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/36

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

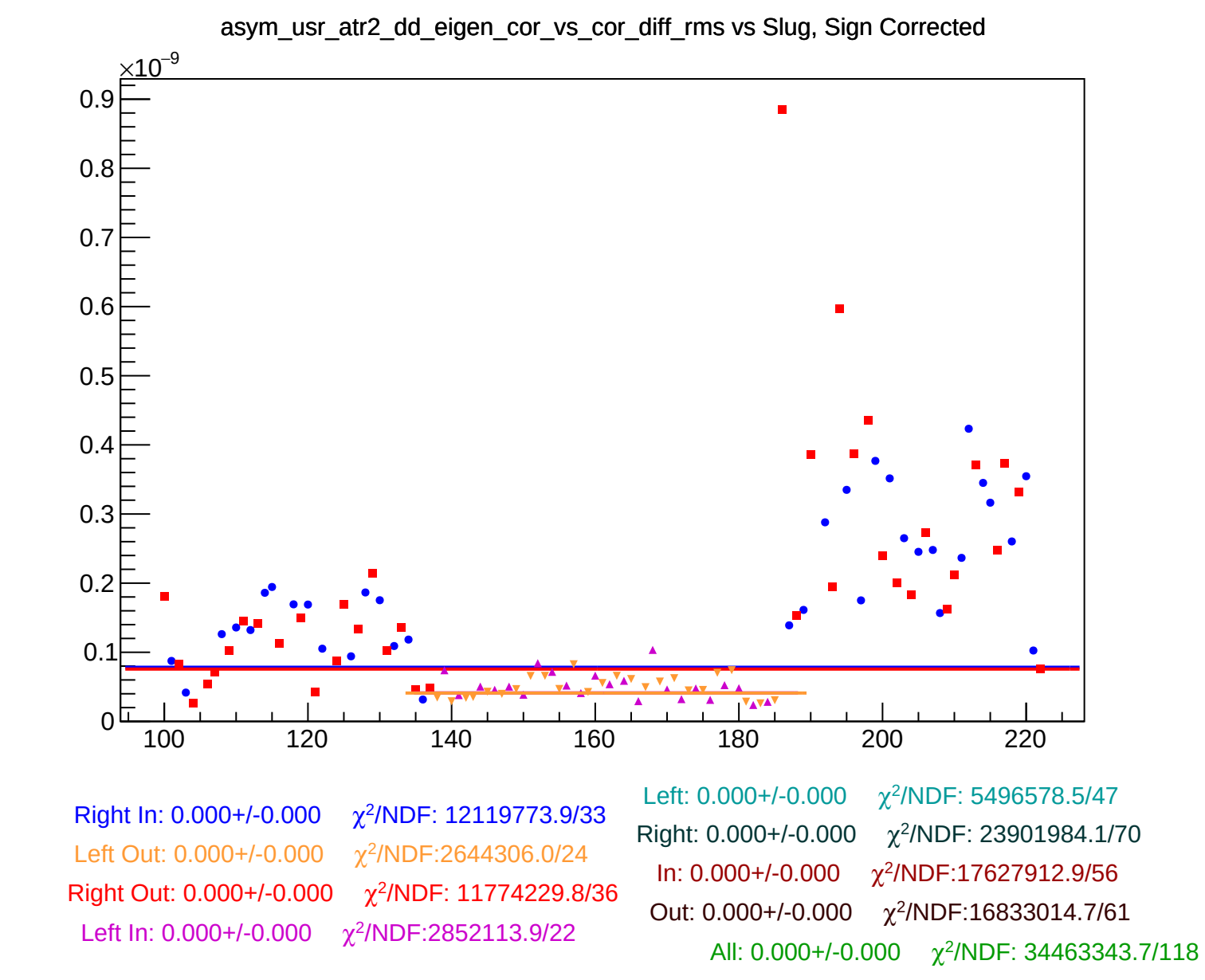
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

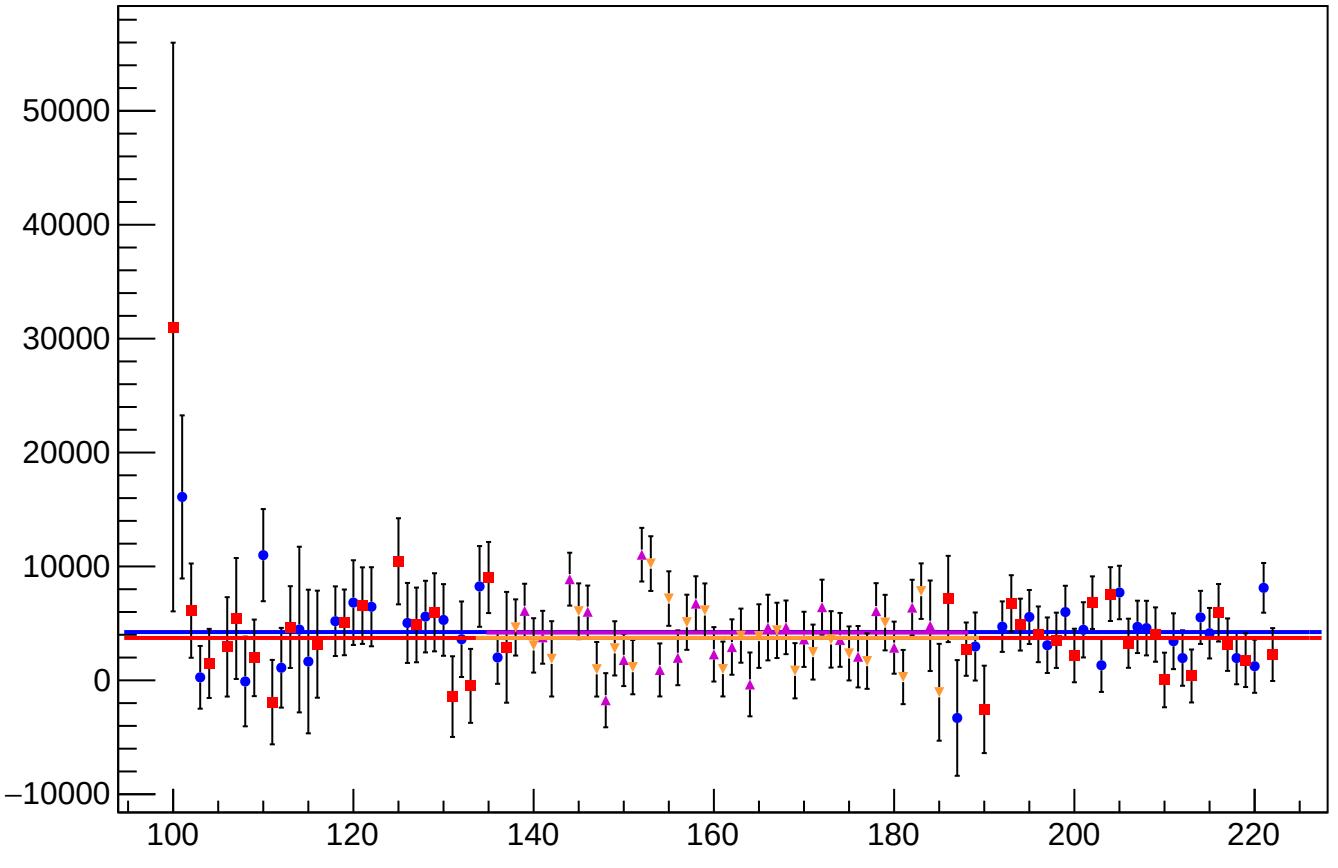
Right: -0.000+/-0.000 χ^2/NDF: 77.4/70

In: 0.000+/-0.000 χ^2/NDF:61.0/56

Out: 0.000+/-0.000 χ^2/NDF:65.7/61

All: 0.000+/-0.000 χ^2/NDF: 126.7/118


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: 11774229.8/36
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: 23901984.1/70
In: 0.000+/-0.000 χ²/NDF:17627912.9/56
Out: 0.000+/-0.000 χ²/NDF:16833014.7/61
All: 0.000+/-0.000 χ²/NDF: 34463343.7/118



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: 3720.701+/-480.169 χ^2/NDF: 33.0/35

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

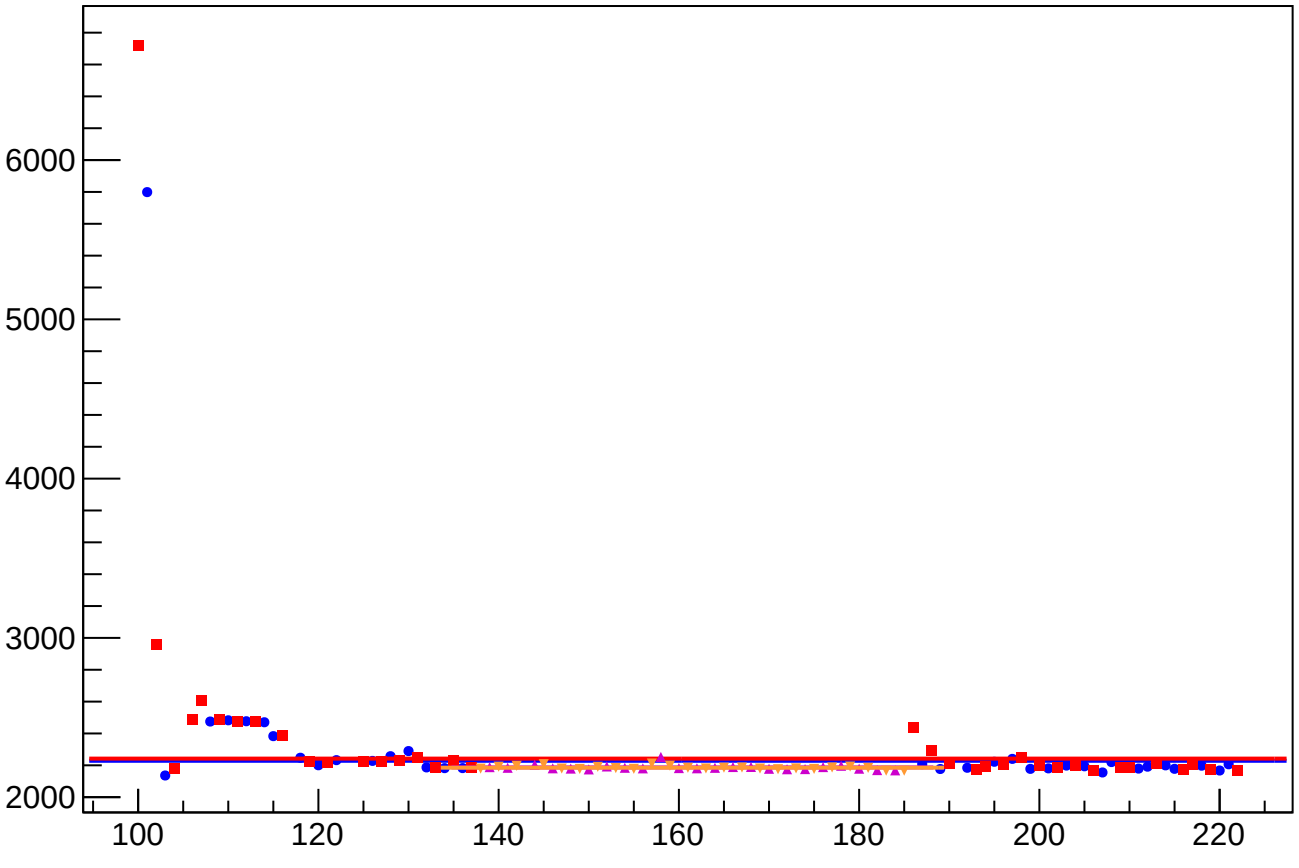
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3981.323+/-338.405 χ^2/NDF: 61.4/69

In: 4218.676+/-348.557 χ^2/NDF:59.9/56

Out: 3722.017+/-348.681 χ^2/NDF:58.4/59

All: 3970.435+/-246.511 χ^2/NDF: 119.4/116



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: 2242.092+/-0.340 χ^2/NDF: 193939.9/35

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

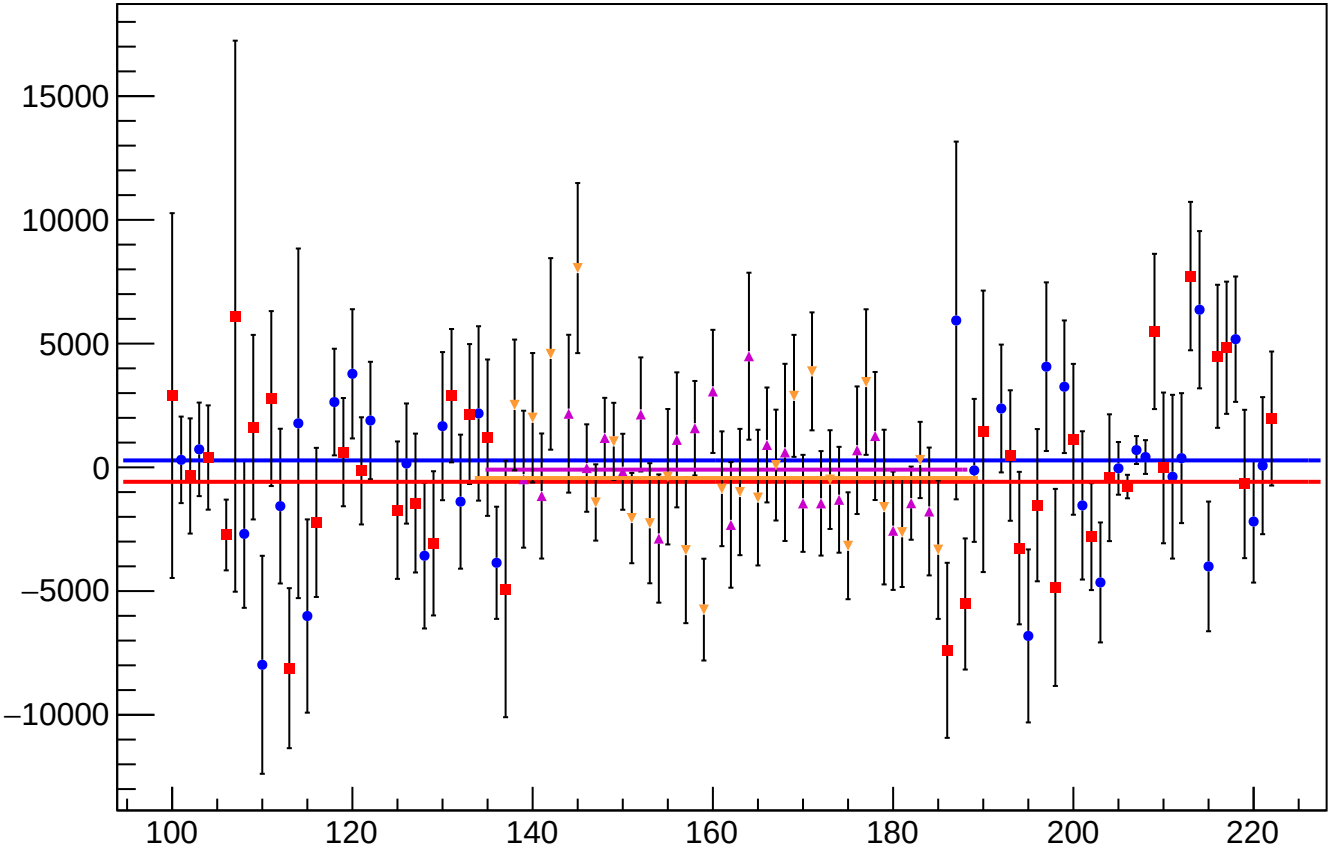
Right: 2235.243+/-0.239 χ^2/NDF: 736526.6/69

In: 2209.032+/-0.246 χ^2/NDF:550978.4/56

Out: 2215.168+/-0.247 χ^2/NDF:208057.9/59

All: 2212.099+/-0.174 χ^2/NDF: 759346.1/116

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 280.419+/-311.691 χ^2/NDF: 41.1/33

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -584.500+/-335.218 χ^2/NDF: 45.6/35

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

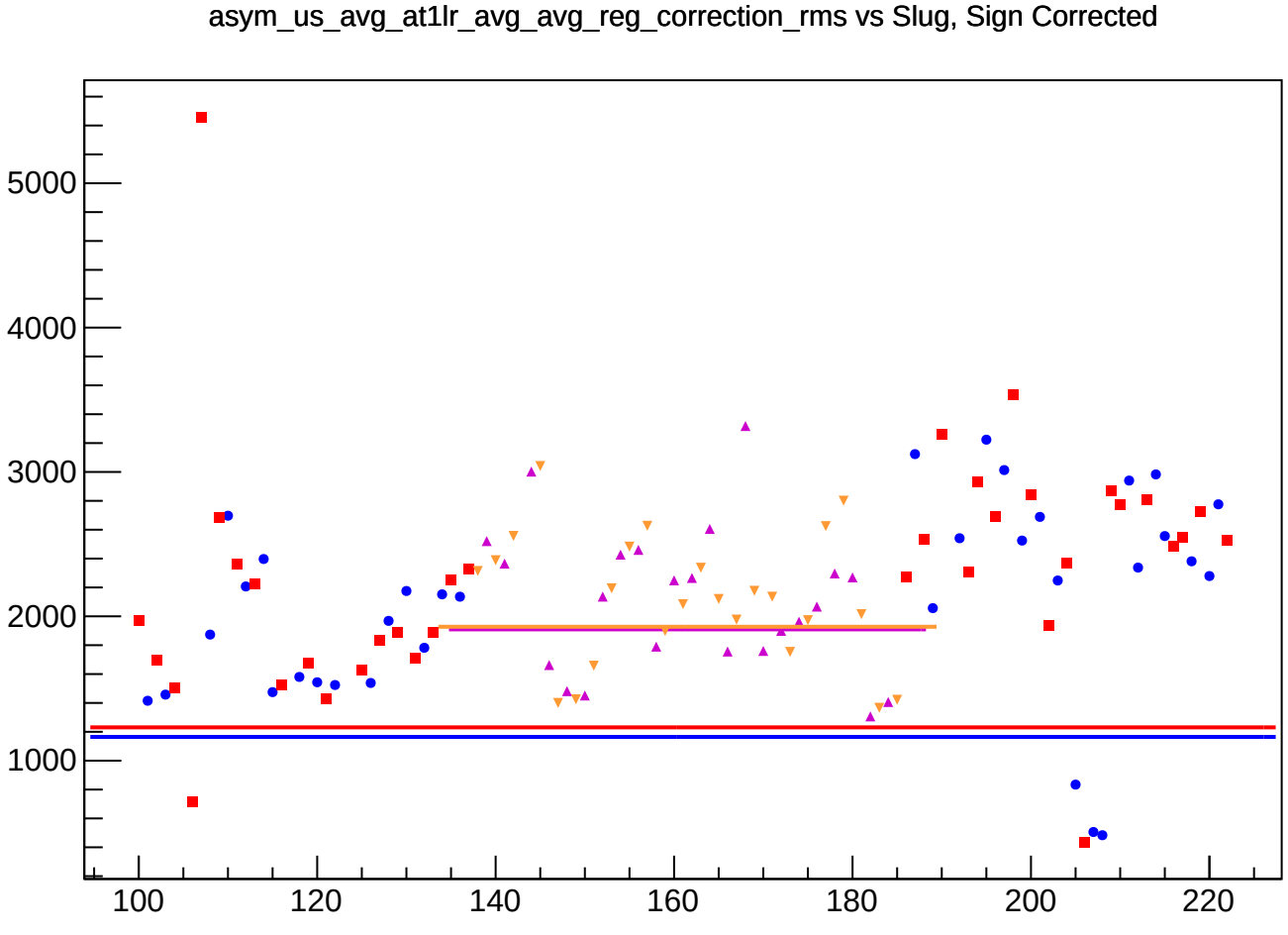
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

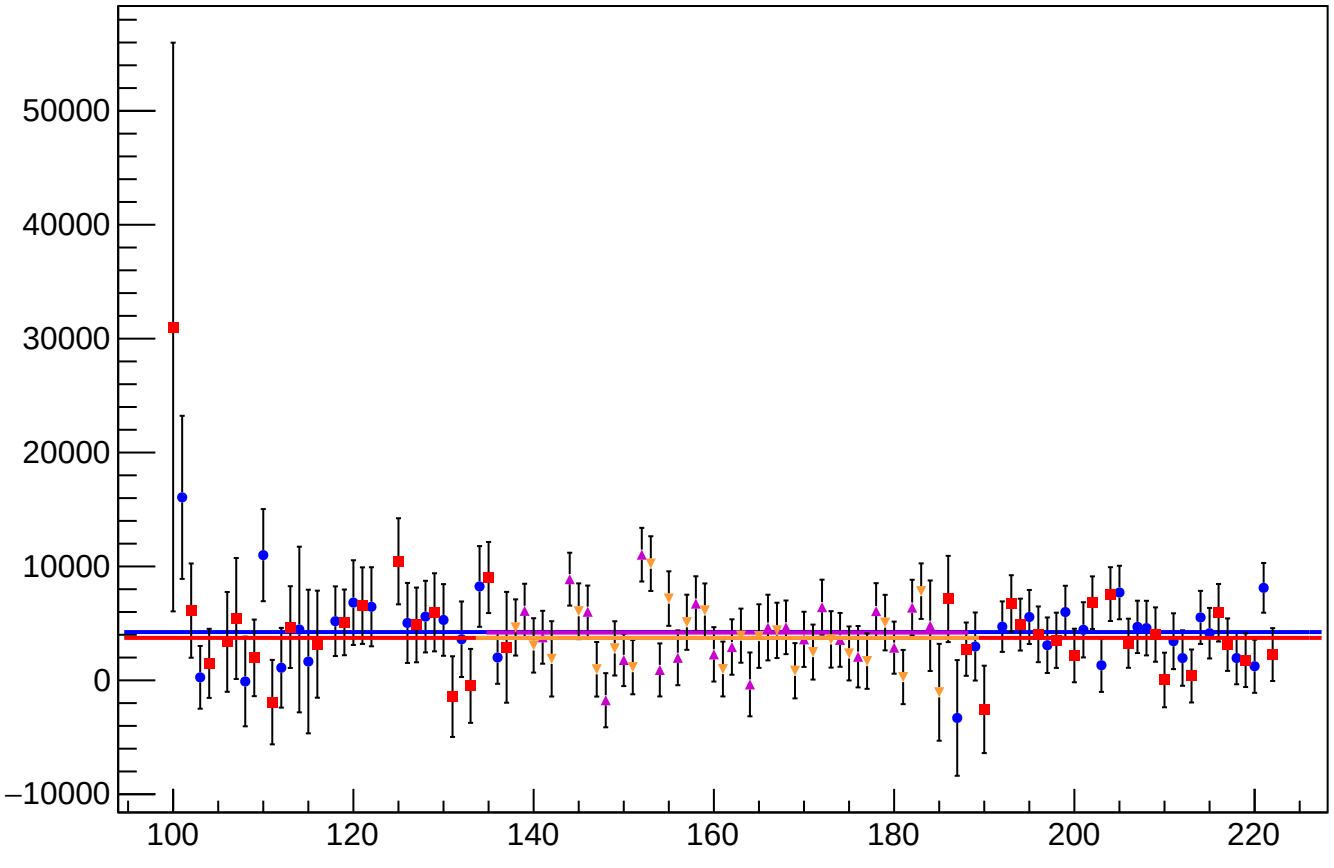
Right: -120.626+/-228.264 χ^2/NDF: 90.3/69

In: 163.264+/-258.152 χ^2/NDF:54.4/56

Out: -532.060+/-271.399 χ^2/NDF:76.9/59

All: -167.016+/-187.049 χ^2/NDF: 134.7/116


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1164.522+/-0.220 χ²/NDF: 14232969.9/33
Left Out: 1927.660+/-0.327 χ²/NDF:1798383.1/23
Right Out: 1230.783+/-0.237 χ²/NDF: 15454665.7/35
Left In: 1909.612+/-0.326 χ²/NDF:1942264.8/22
Left: 1918.603+/-0.231 χ²/NDF: 3742177.0/46
Right: 1195.246+/-0.161 χ²/NDF: 29729545.1/69
In: 1398.505+/-0.183 χ²/NDF:19764236.1/56
Out: 1470.870+/-0.192 χ²/NDF:20230875.1/59
All: 1432.878+/-0.132 χ²/NDF: 40069761.2/1



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: 3726.209+/-480.194 χ^2/NDF: 32.9/35

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

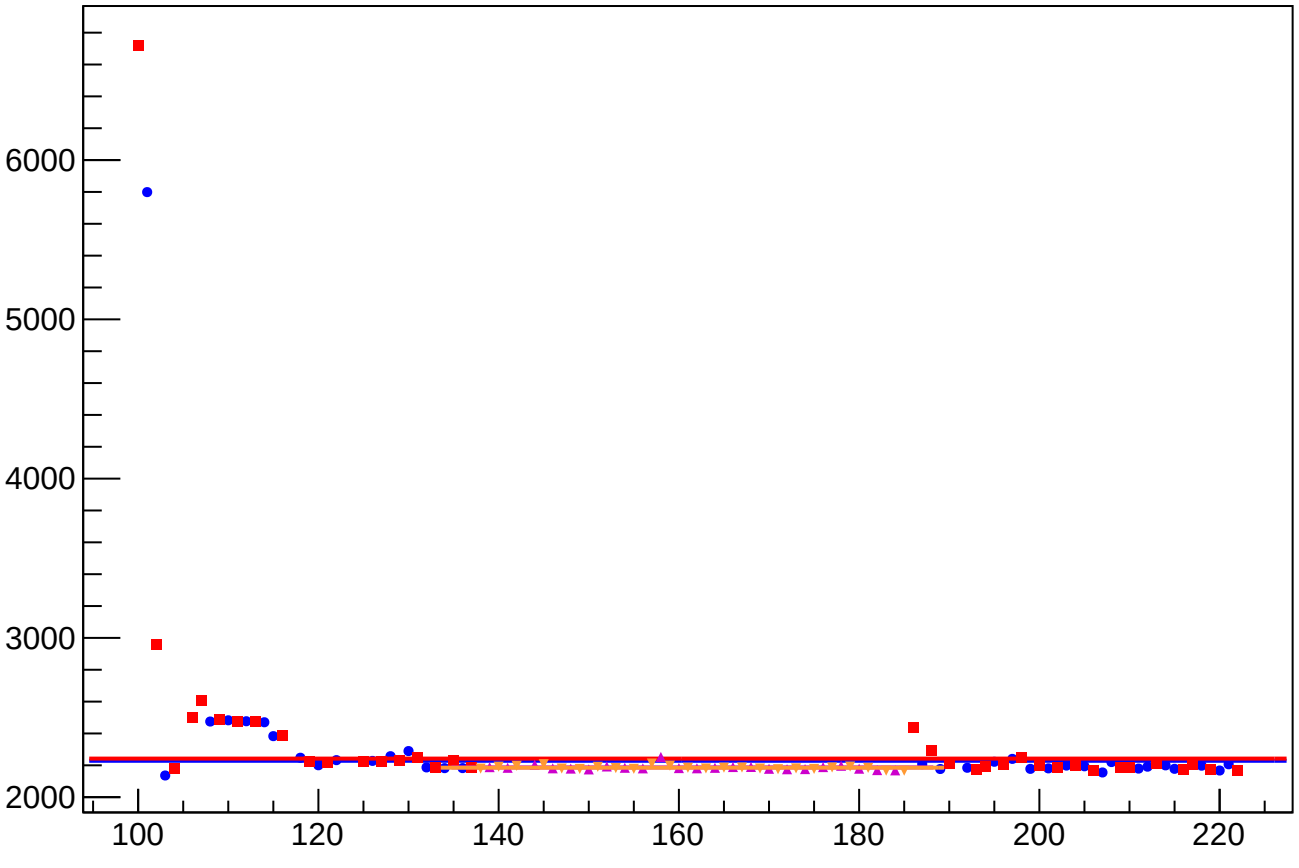
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3983.947+/-338.414 χ^2/NDF: 61.3/69

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3724.897+/-348.690 χ^2/NDF:58.4/59

All: 3971.842+/-246.514 χ^2/NDF: 119.3/116



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: 2242.195+/-0.340 χ^2/NDF: 194450.6/35

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

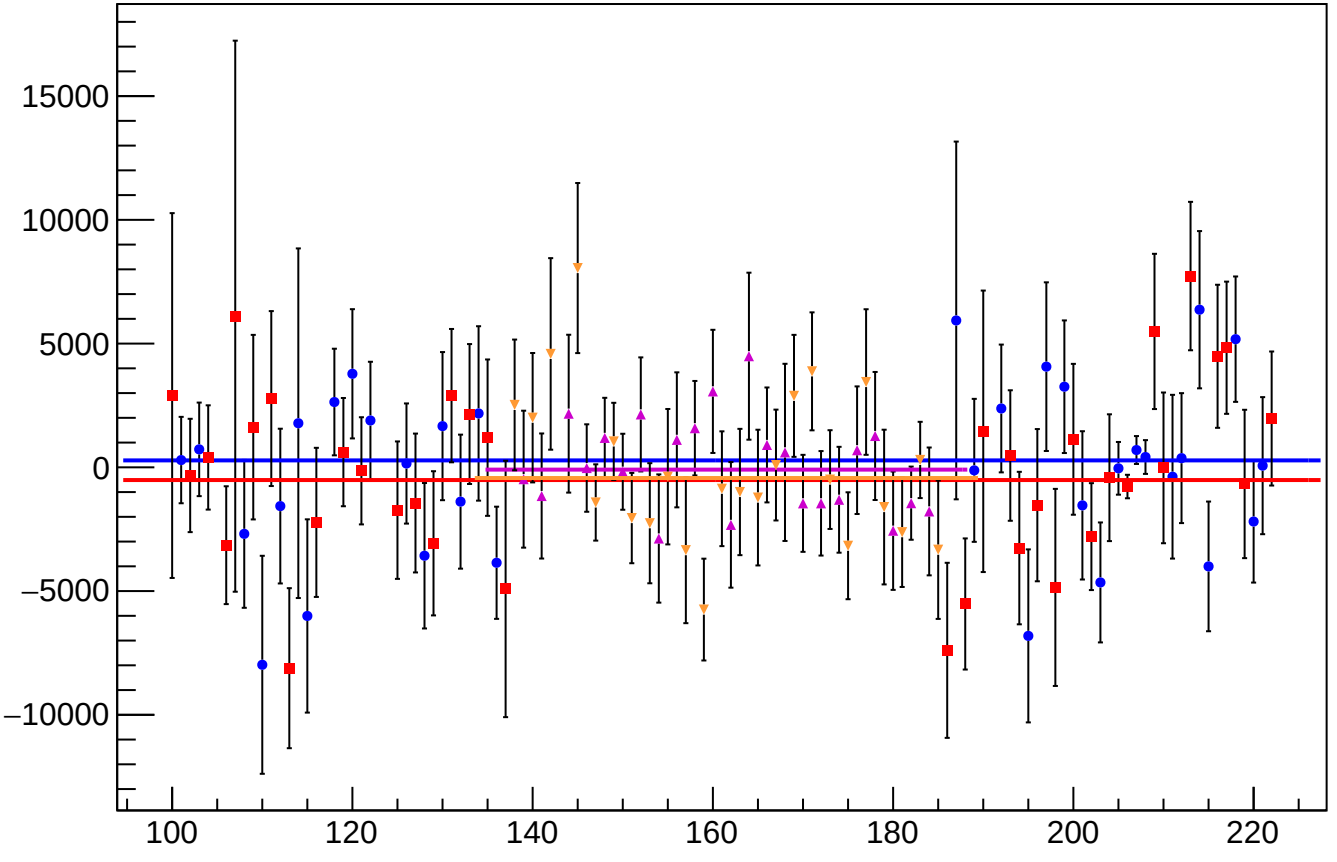
Right: 2235.293+/-0.239 χ^2/NDF: 737049.9/69

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2215.221+/-0.247 χ^2/NDF:208616.1/59

All: 2212.125+/-0.174 χ^2/NDF: 759910.0/116

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 280.236+/-311.672 χ^2/NDF: 41.1/33

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -513.924+/-341.148 χ^2/NDF: 44.4/35

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

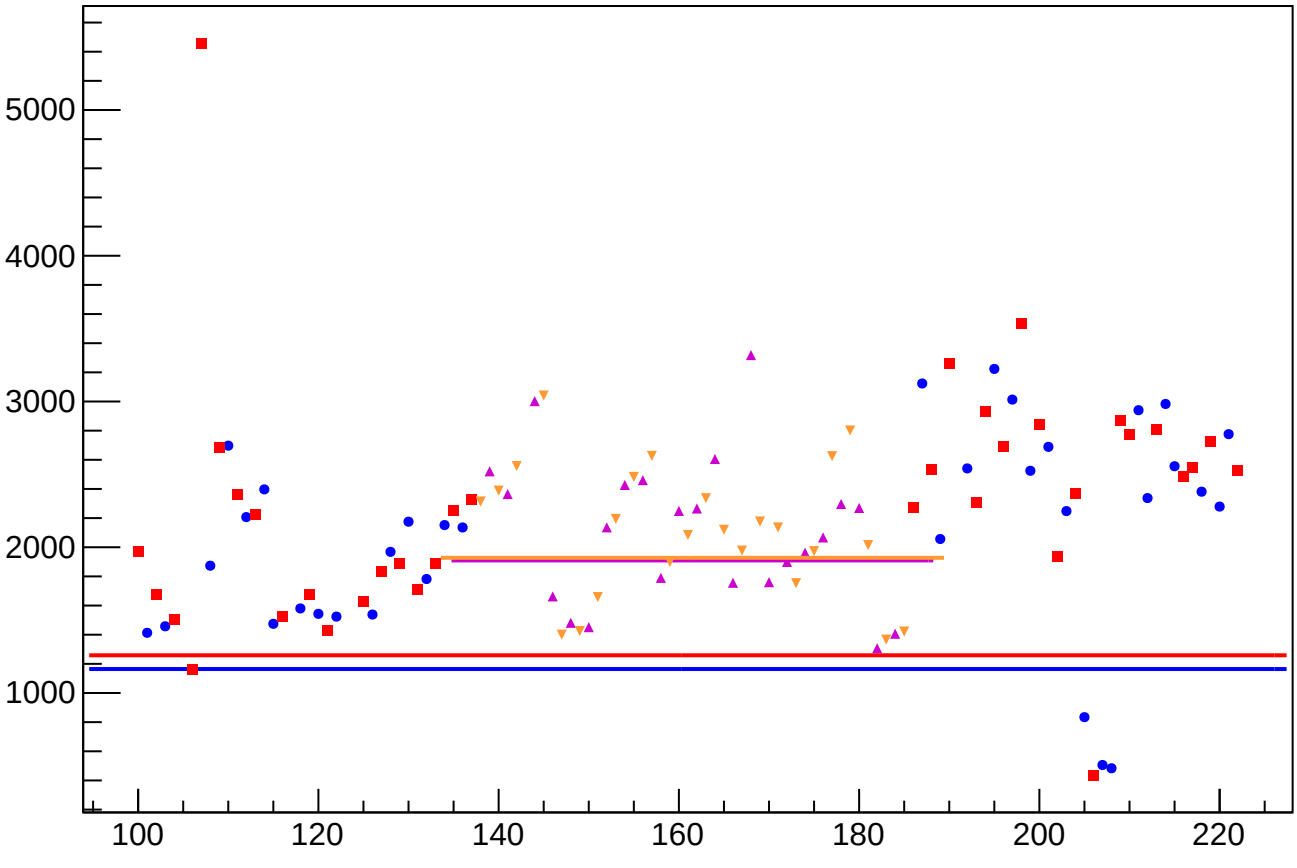
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -81.059+/-230.102 χ^2/NDF: 88.5/69

In: 163.162+/-258.142 χ^2/NDF:54.4/56

Out: -485.161+/-274.517 χ^2/NDF:75.7/59

All: -141.087+/-188.057 χ^2/NDF: 133.1/116



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: 1258.766+/-0.241 χ^2/NDF: 15178477.4/35

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

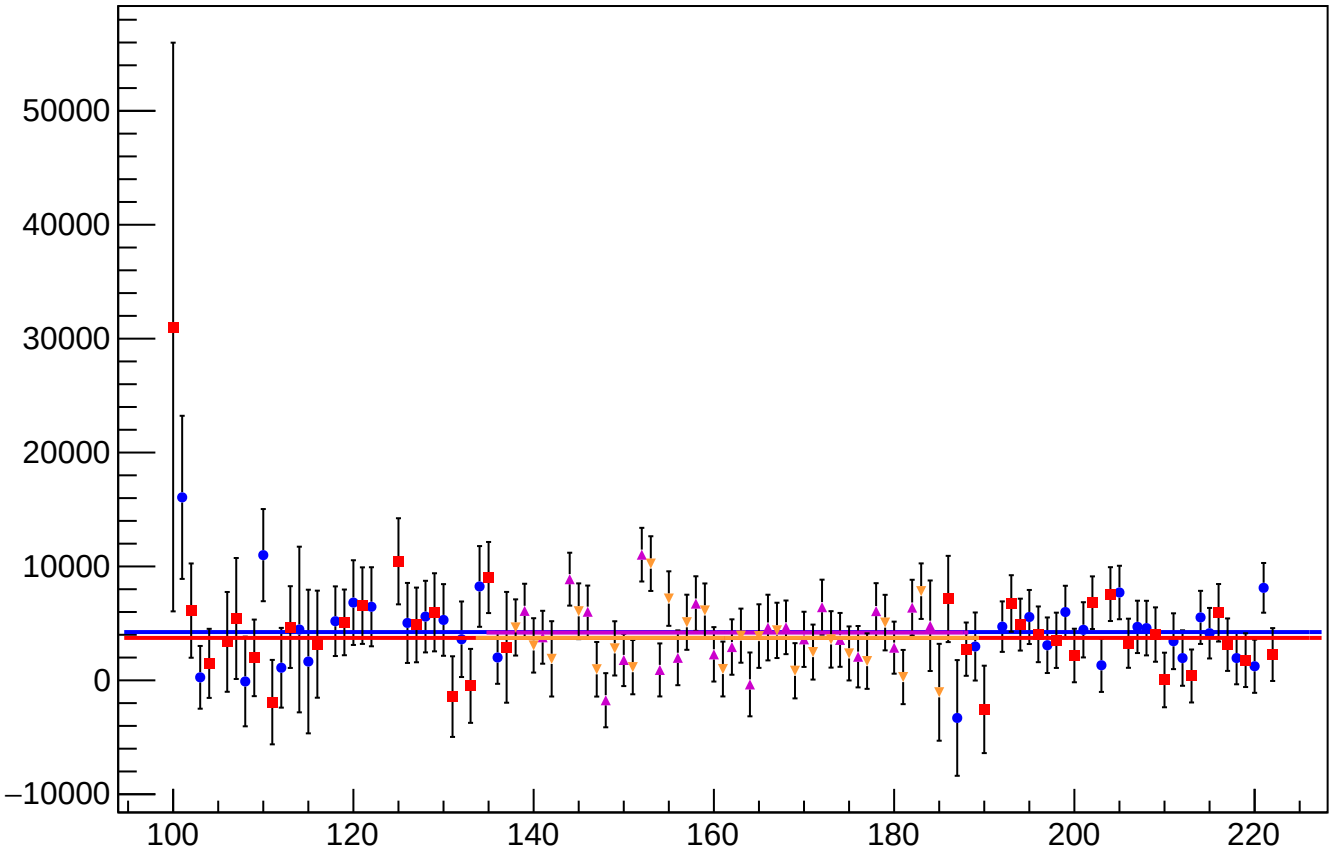
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1207.360+/-0.163 χ^2/NDF: 29494833.1/69

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1494.538+/-0.194 χ^2/NDF:19687028.9/59

All: 1443.537+/-0.133 χ^2/NDF: 39582264.9/



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: 3726.209+/-480.194 χ^2/NDF: 32.9/35

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

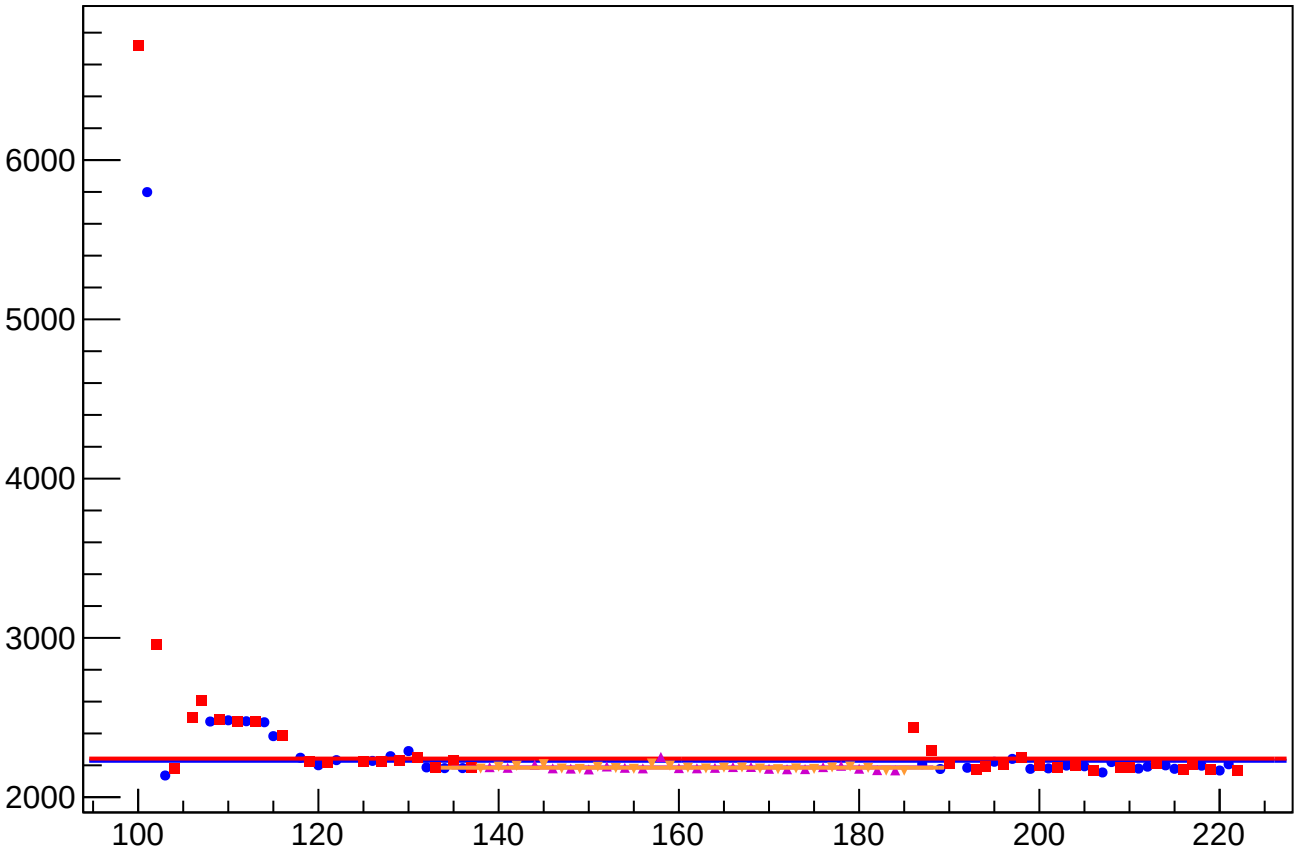
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3983.947+/-338.414 χ^2/NDF: 61.3/69

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3724.897+/-348.690 χ^2/NDF:58.4/59

All: 3971.842+/-246.514 χ^2/NDF: 119.3/116



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: 2242.195+/-0.340 χ^2/NDF: 194450.6/35

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

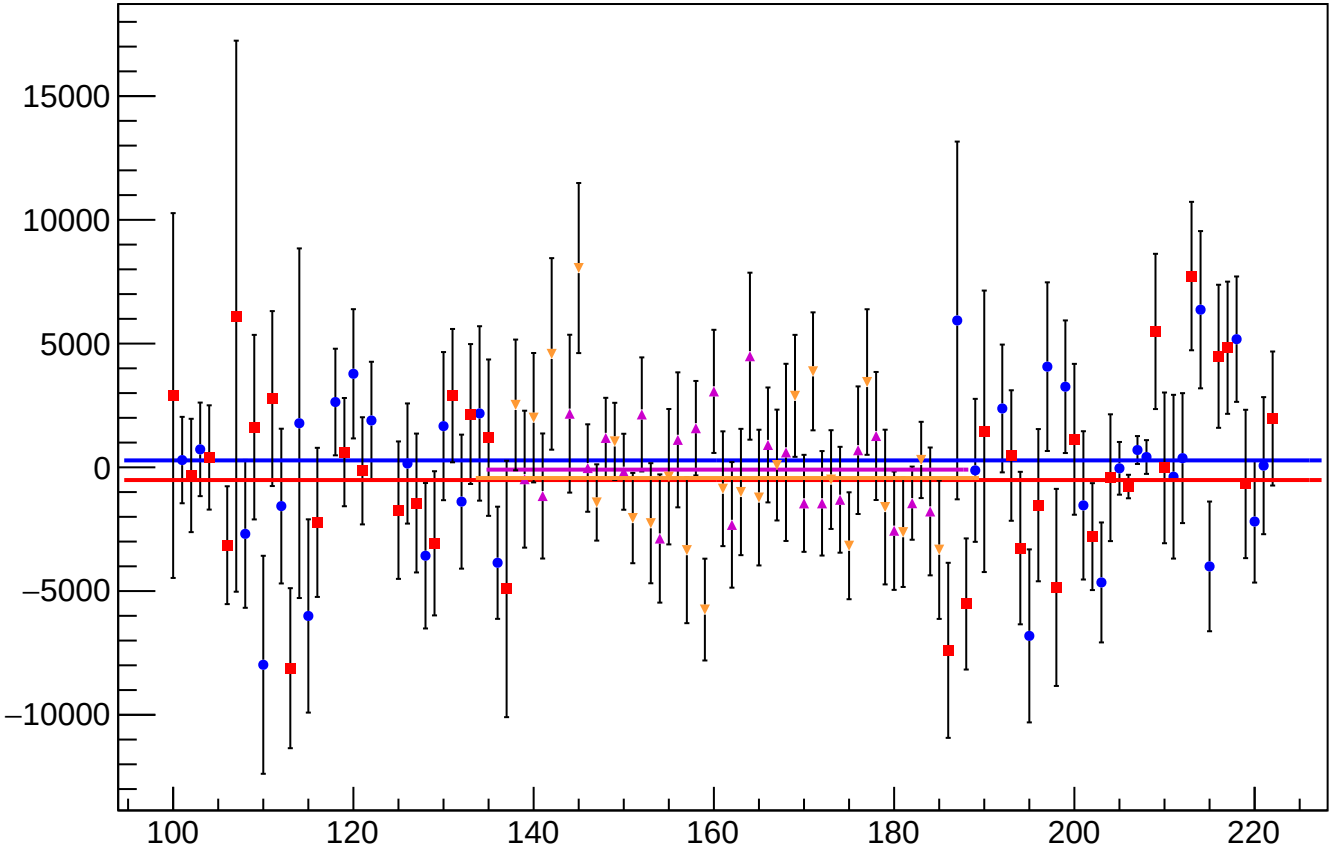
Right: 2235.293+/-0.239 χ^2/NDF: 737049.9/69

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2215.221+/-0.247 χ^2/NDF:208616.1/59

All: 2212.125+/-0.174 χ^2/NDF: 759910.0/116

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 280.236+/-311.672 χ^2/NDF: 41.1/33

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -513.924+/-341.148 χ^2/NDF: 44.4/35

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

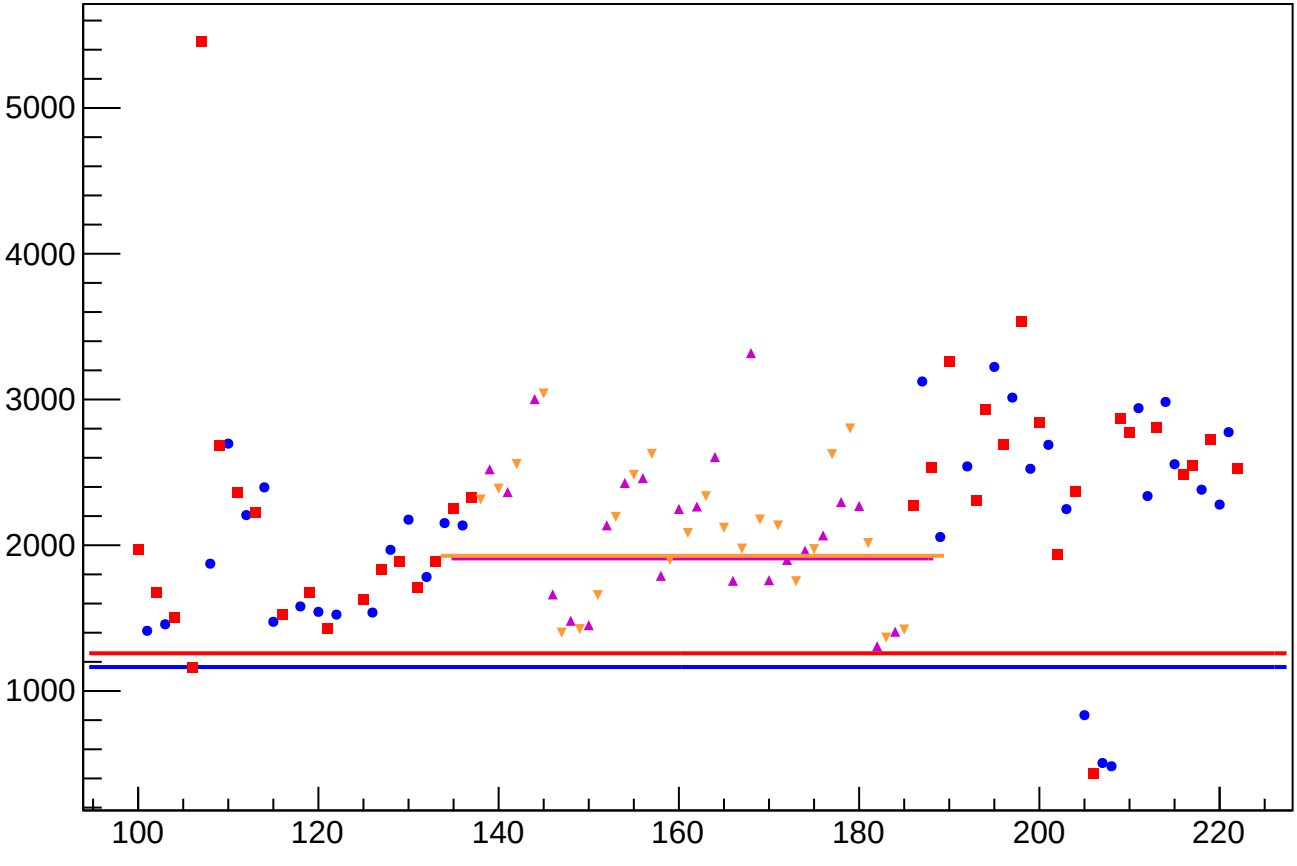
Right: -81.059+/-230.102 χ^2/NDF: 88.5/69

In: 163.162+/-258.142 χ^2/NDF:54.4/56

Out: -485.161+/-274.517 χ^2/NDF:75.7/59

All: -141.087+/-188.057 χ^2/NDF: 133.1/116

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: 1258.766+/-0.241 χ^2/NDF: 15178477.4/35

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

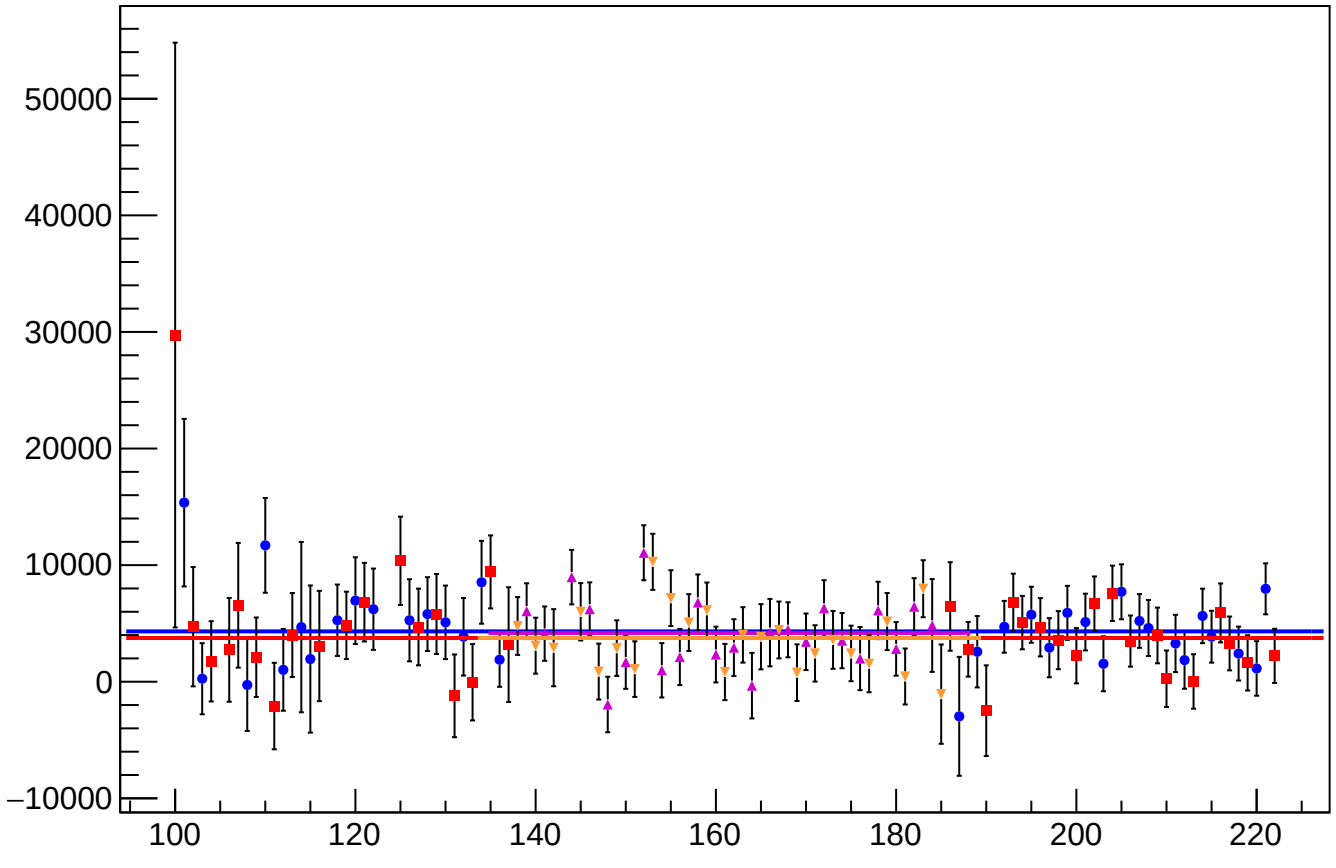
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1207.360+/-0.163 χ^2/NDF: 29494833.1/69

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1494.538+/-0.194 χ^2/NDF:19687028.9/59

All: 1443.537+/-0.133 χ^2/NDF: 39582264.9/



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: 3751.225+/-485.924 χ^2/NDF: 32.0/35

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

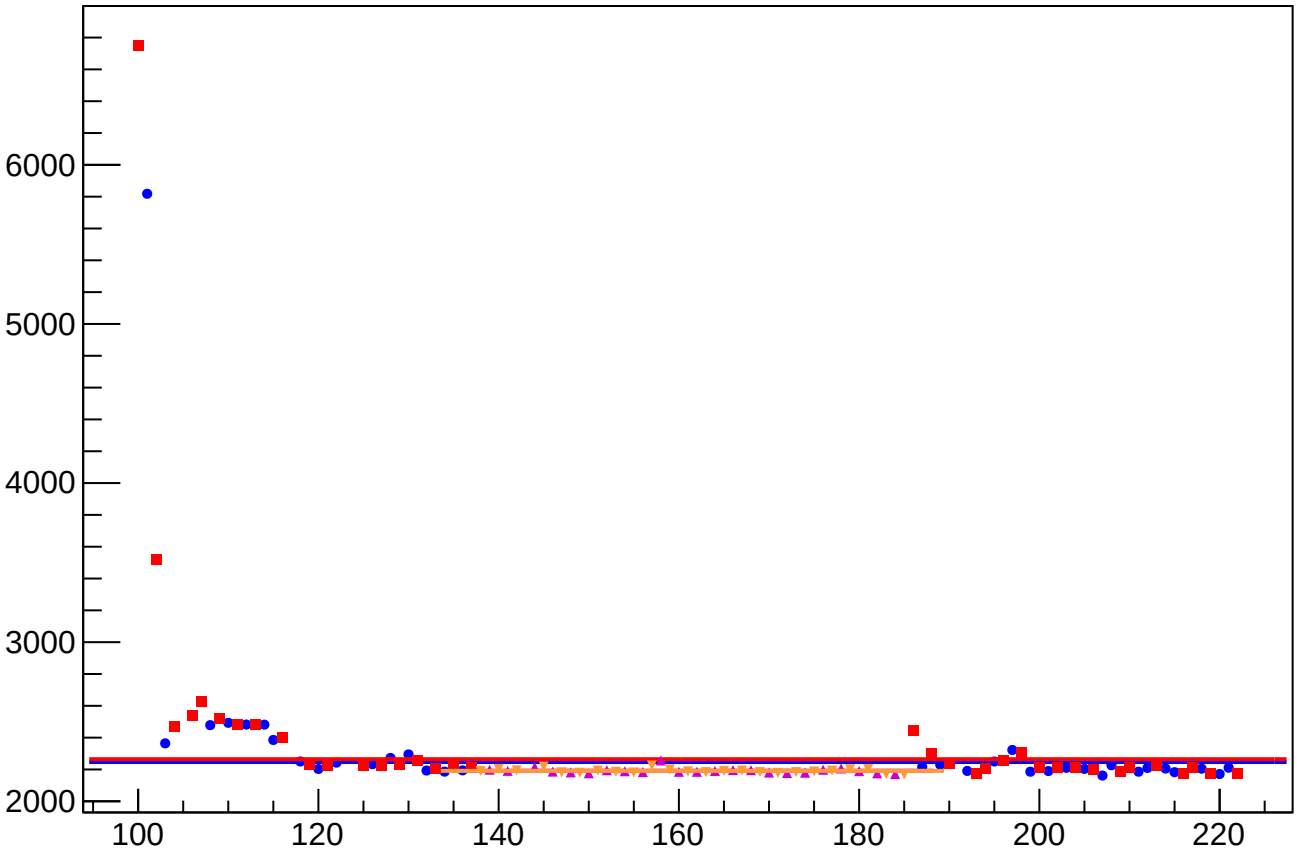
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4037.388+/-341.844 χ^2/NDF: 60.4/69

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3752.581+/-351.333 χ^2/NDF:57.7/59

All: 4004.444+/-248.142 χ^2/NDF: 119.1/116



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: 2264.519+/-0.344 χ^2/NDF: 265279.2/35

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

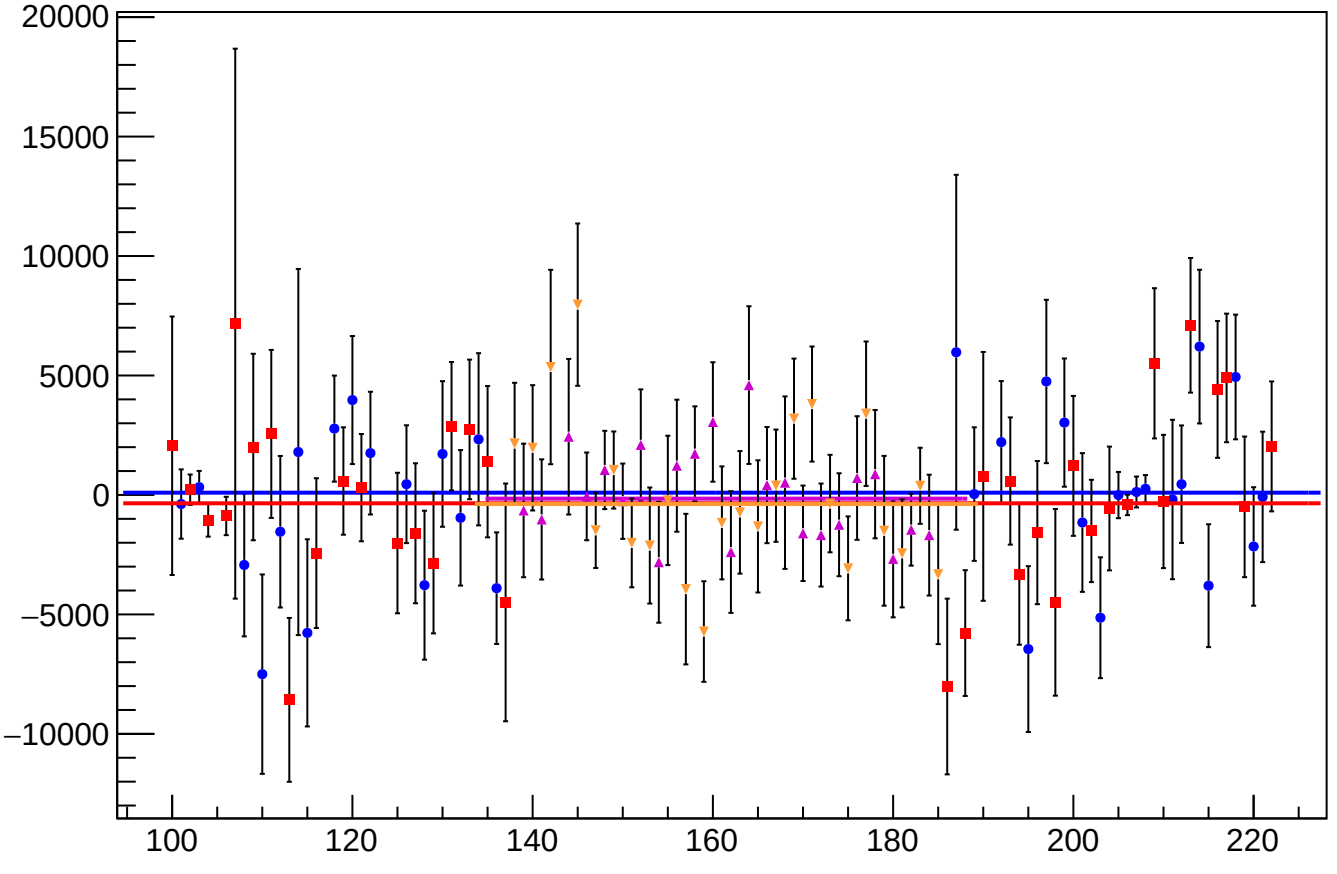
Right: 2255.546+/-0.242 χ^2/NDF: 809933.0/69

In: 2221.172+/-0.248 χ^2/NDF:557649.4/56

Out: 2229.503+/-0.248 χ^2/NDF:288270.3/59

All: 2225.328+/-0.175 χ^2/NDF: 846483.3/116

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: -349.504+/-257.199 χ^2/NDF: 44.7/35

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

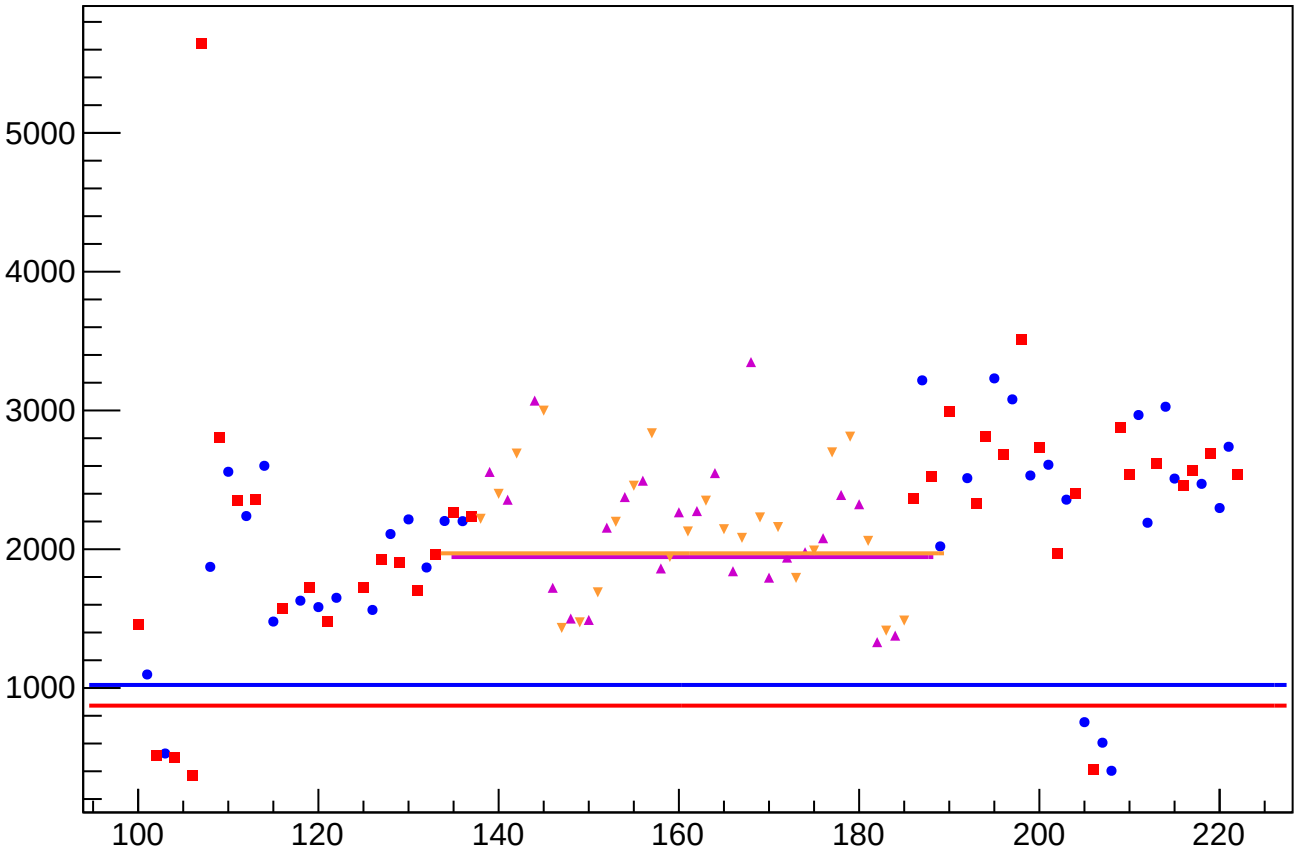
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -147.532+/-190.013 χ^2/NDF: 85.1/69

In: 28.679+/-241.501 χ^2/NDF:52.1/56

Out: -356.610+/-225.788 χ^2/NDF:75.4/59

All: -176.906+/-164.932 χ^2/NDF: 128.9/116



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: 873.023+/-0.182 χ^2/NDF: 19922118.8/35

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

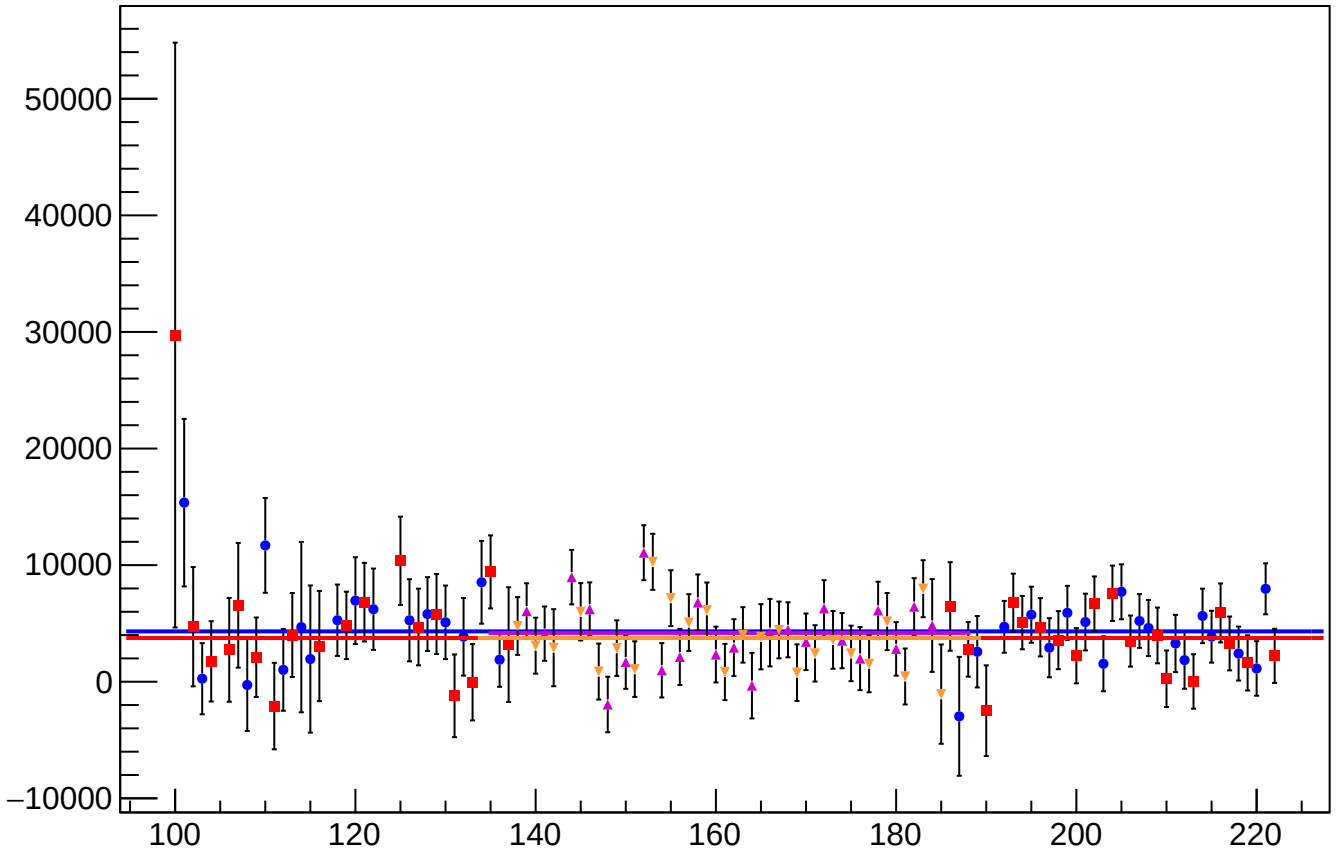
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 940.702+/-0.134 χ^2/NDF: 36296801.7/69

In: 1267.437+/-0.171 χ^2/NDF:23643230.1/56

Out: 1124.751+/-0.160 χ^2/NDF:29972495.0/59

All: 1191.302+/-0.117 χ^2/NDF: 53988252.8/1



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: 3751.225+/-485.924 χ^2/NDF: 32.0/35

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

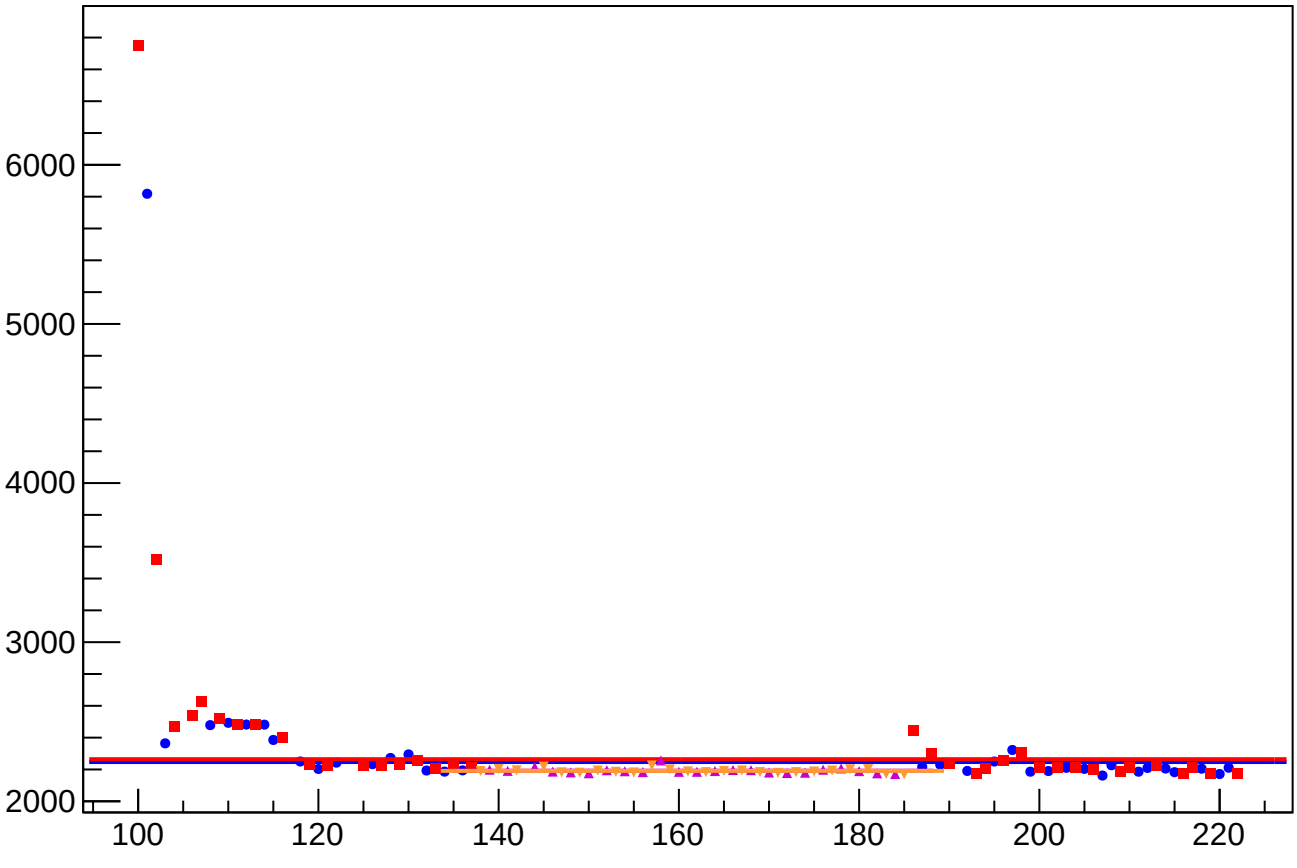
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4037.388+/-341.844 χ^2/NDF: 60.4/69

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3752.580+/-351.333 χ^2/NDF:57.7/59

All: 4004.444+/-248.142 χ^2/NDF: 119.1/116



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: 2264.519+/-0.344 χ^2/NDF: 265277.9/35

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

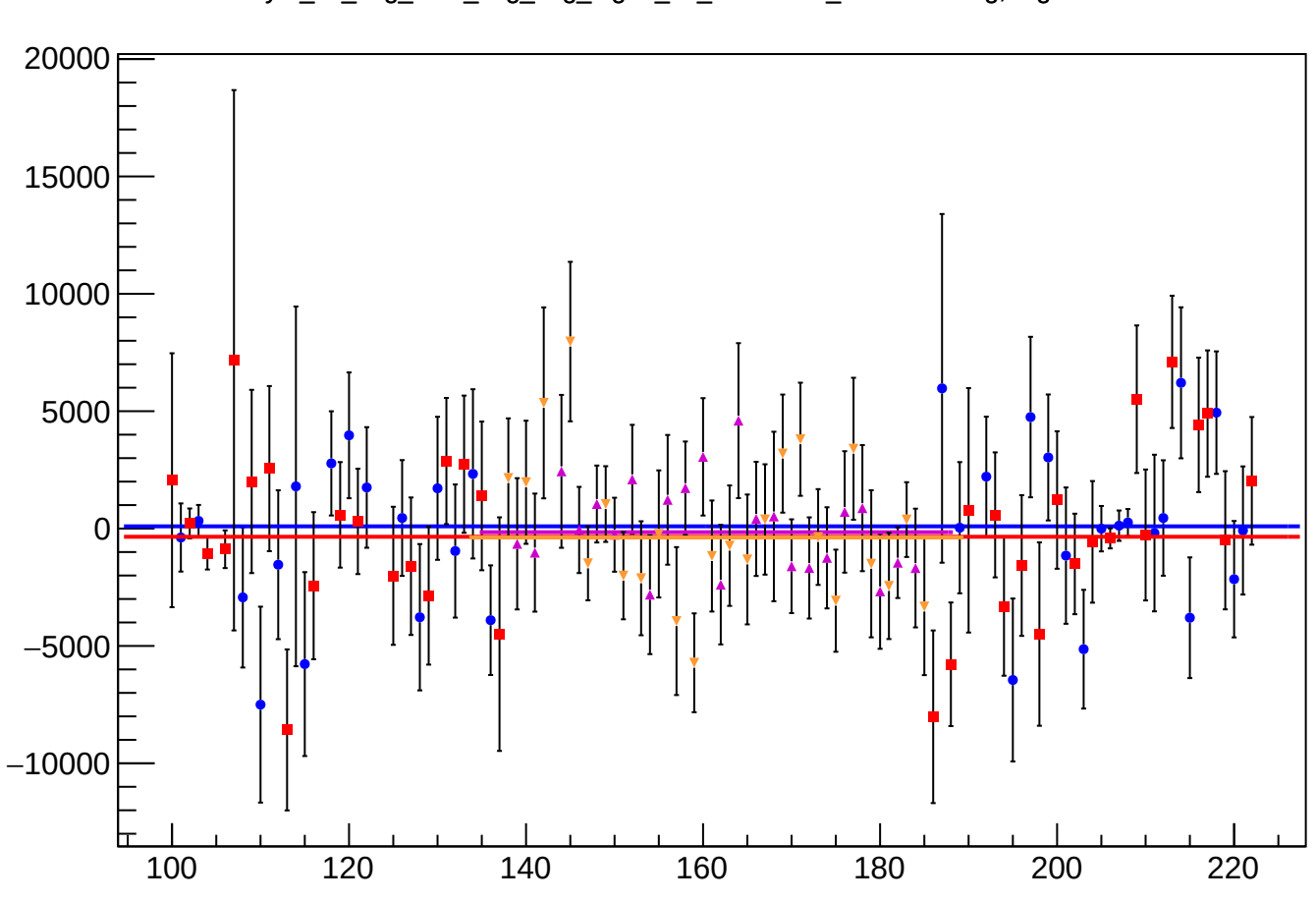
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2255.546+/-0.242 χ^2/NDF: 809931.5/69

In: 2221.172+/-0.248 χ^2/NDF:557649.1/56

Out: 2229.503+/-0.248 χ^2/NDF:288268.9/59

All: 2225.328+/-0.175 χ^2/NDF: 846481.6/116



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: -349.500+/-257.200 χ^2/NDF: 44.7/35

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

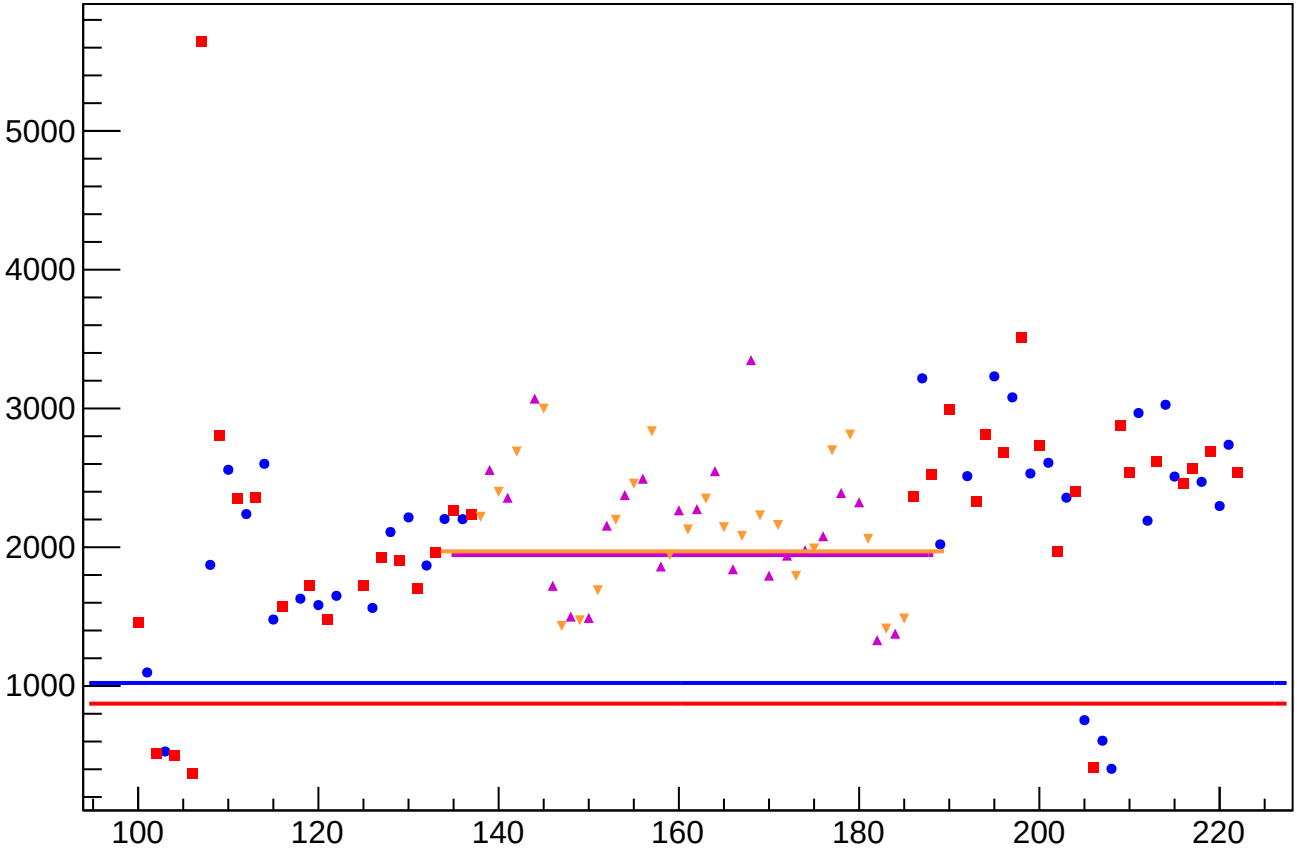
Right: -147.531+/-190.013 χ^2/NDF: 85.1/69

In: 28.677+/-241.501 χ^2/NDF:52.1/56

Out: -356.608+/-225.789 χ^2/NDF:75.4/59

All: -176.906+/-164.932 χ^2/NDF: 128.9/116

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: 873.028+/-0.182 χ^2/NDF: 19922031.5/35

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

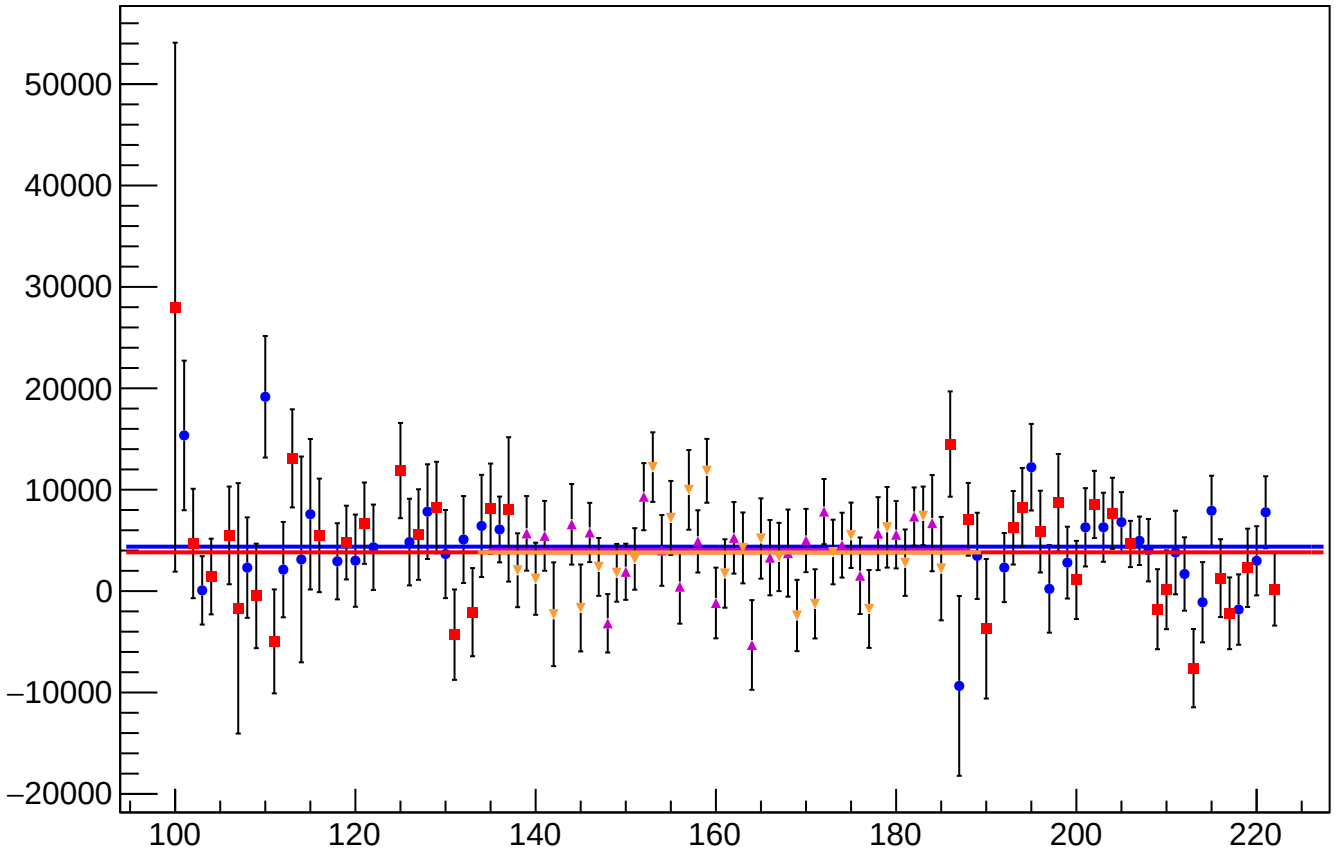
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 940.705+/-0.134 χ^2/NDF: 36296719.2/69

In: 1267.438+/-0.171 χ^2/NDF:23643284.7/56

Out: 1124.757+/-0.160 χ^2/NDF:29972345.7/59

All: 1191.305+/-0.117 χ^2/NDF: 53988129.2/1



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: 3824.669+/-695.066 χ^2/NDF: 49.5/35

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

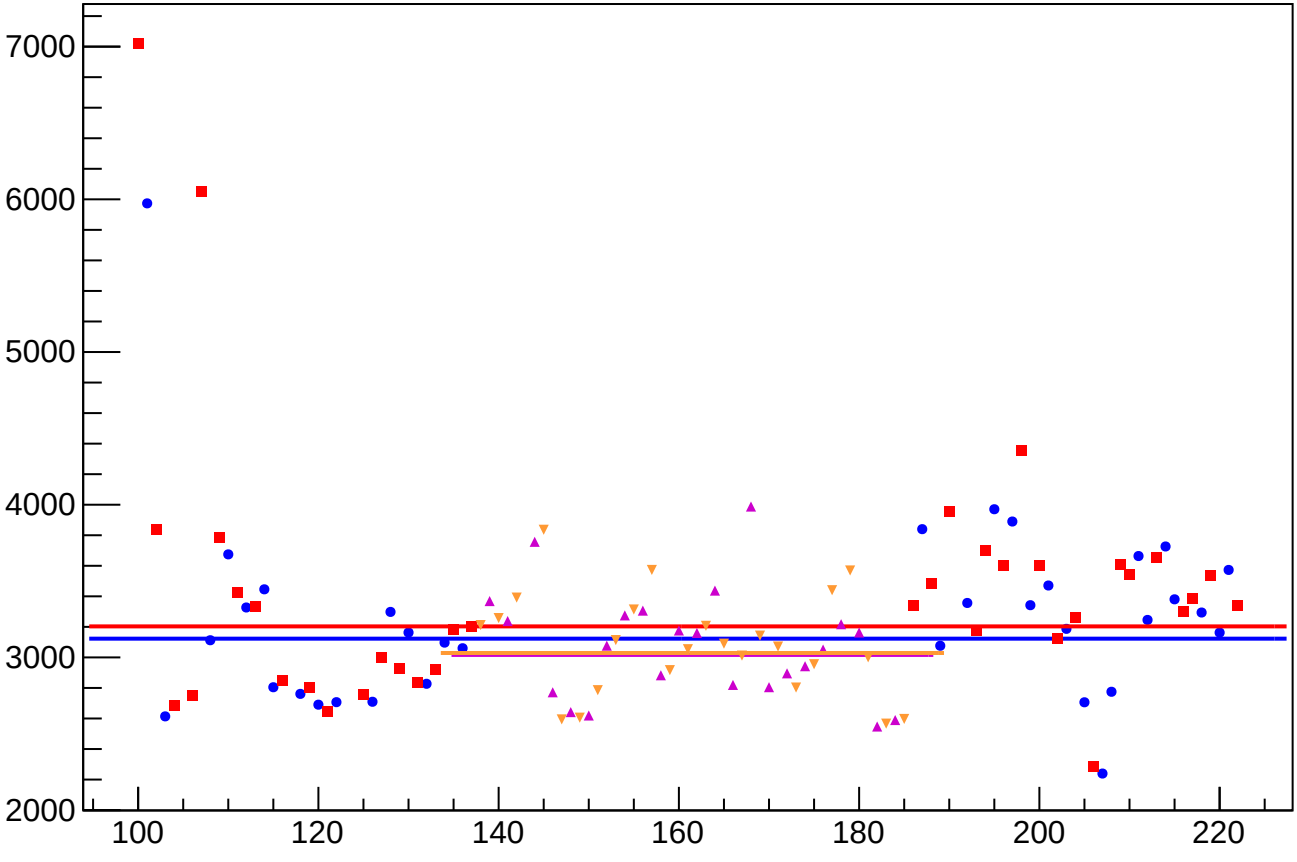
Right: 4111.638+/-484.614 χ^2/NDF: 78.1/69

In: 4221.005+/-489.452 χ^2/NDF:50.9/56

Out: 3821.317+/-496.103 χ^2/NDF:80.4/59

All: 4023.858+/-348.423 χ^2/NDF: 131.6/116

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: 3203.158+/-0.491 χ^2/NDF: 1025393.6/35

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

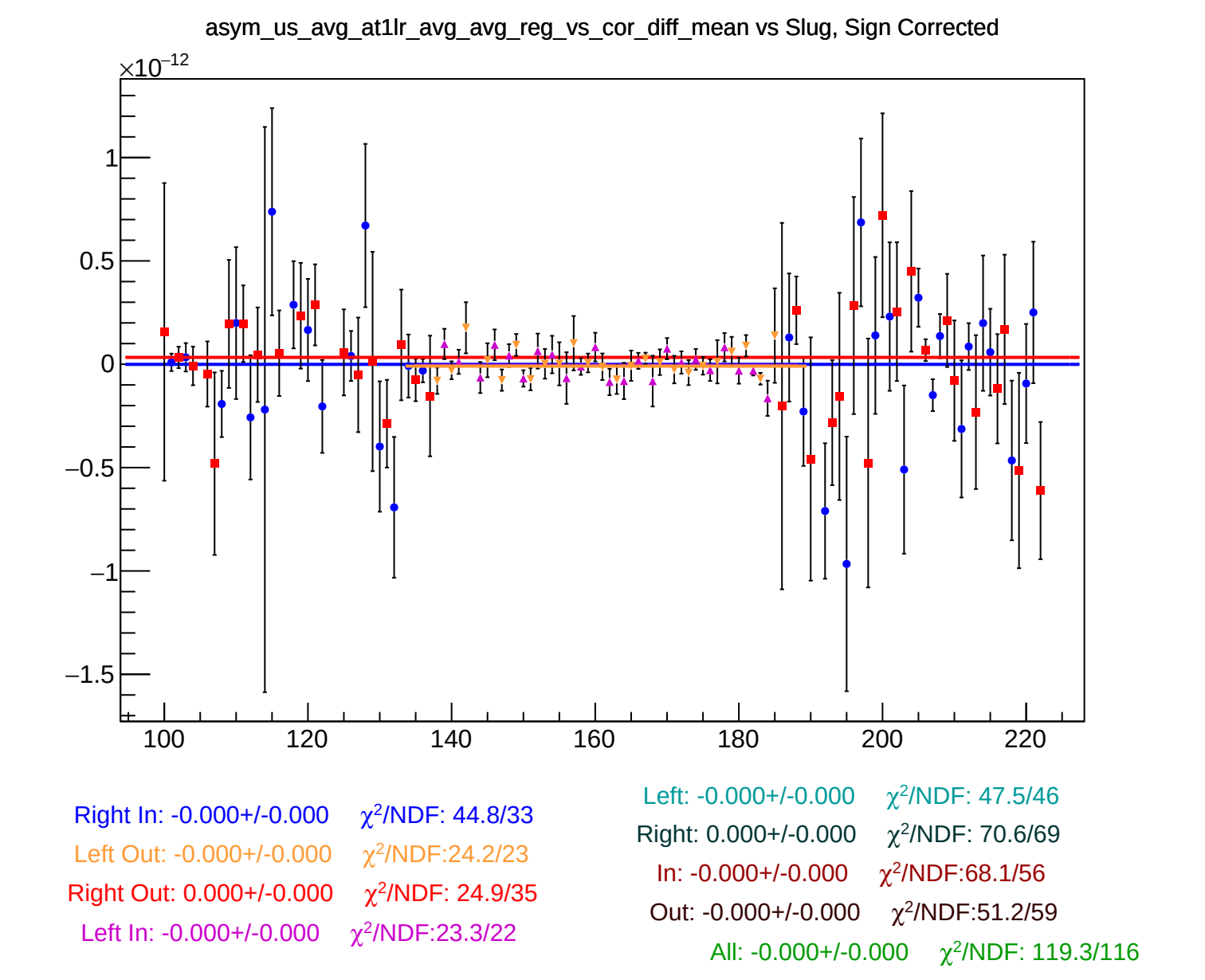
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

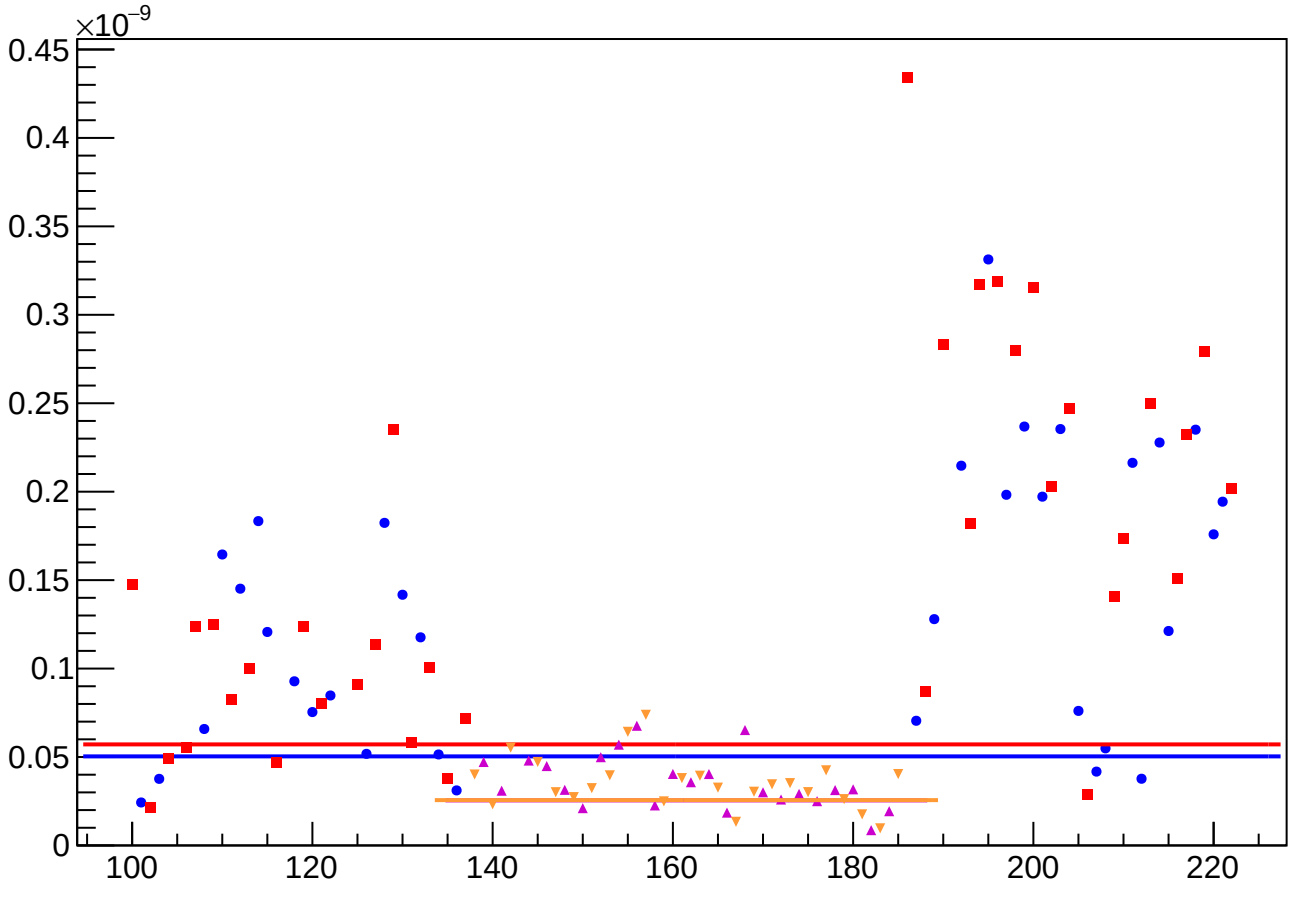
Right: 3161.842+/-0.343 χ^2/NDF: 2157899.7/69

In: 3072.083+/-0.346 χ^2/NDF:1582273.4/56

Out: 3117.714+/-0.351 χ^2/NDF:1484113.5/59

All: 3094.591+/-0.246 χ^2/NDF: 3074961.5/11


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 44.8/33
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.9/35
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 70.6/69
In: -0.000+/-0.000 χ²/NDF:68.1/56
Out: -0.000+/-0.000 χ²/NDF:51.2/59
All: -0.000+/-0.000 χ²/NDF: 119.3/116



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: 8929813.0/35

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

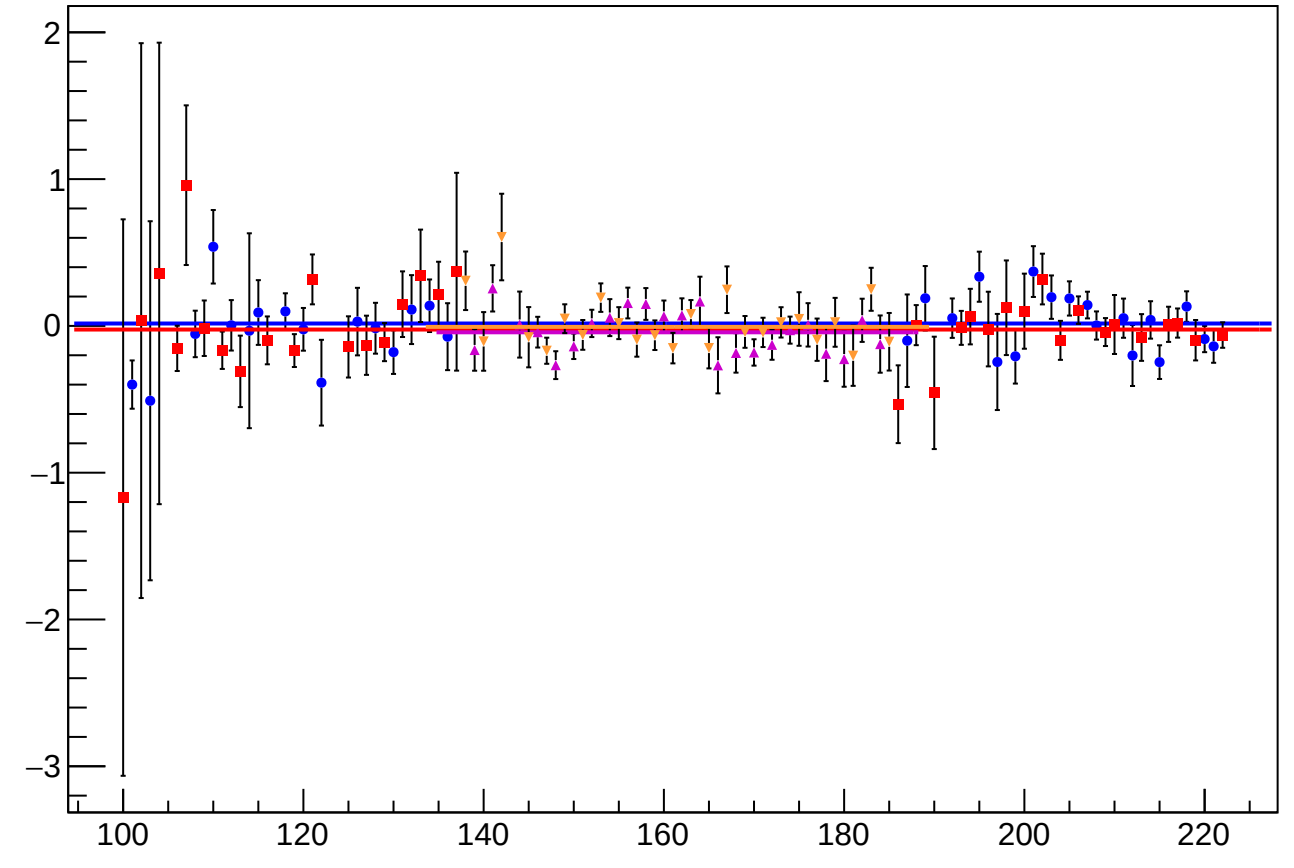
Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

Right: 0.000+/-0.000 χ^2/NDF: 16379928.2/69

In: 0.000+/-0.000 χ^2/NDF:12059255.4/56

Out: 0.000+/-0.000 χ^2/NDF:13673699.2/59

All: 0.000+/-0.000 χ^2/NDF: 25732958.3/116



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: -0.025+/-0.027 χ^2/NDF: 30.2/35

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

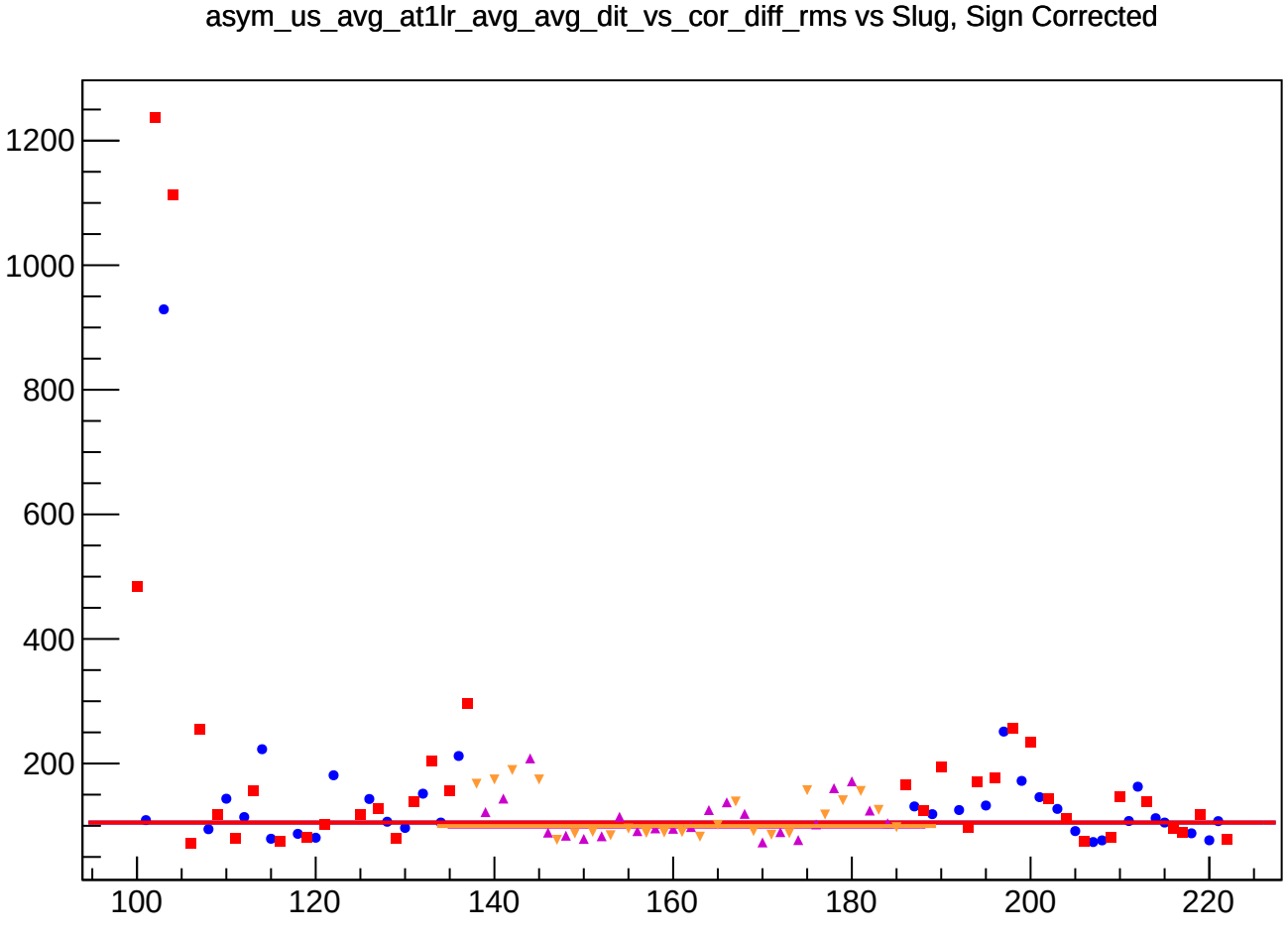
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.004+/-0.019 χ^2/NDF: 74.9/69

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.015+/-0.018 χ^2/NDF:58.2/59

All: -0.015+/-0.013 χ^2/NDF: 134.6/116



Right In: 105.236+/-0.018 χ^2/NDF: 3663575.8/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 105.248+/-0.019 χ^2/NDF: 5308519.8/35

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

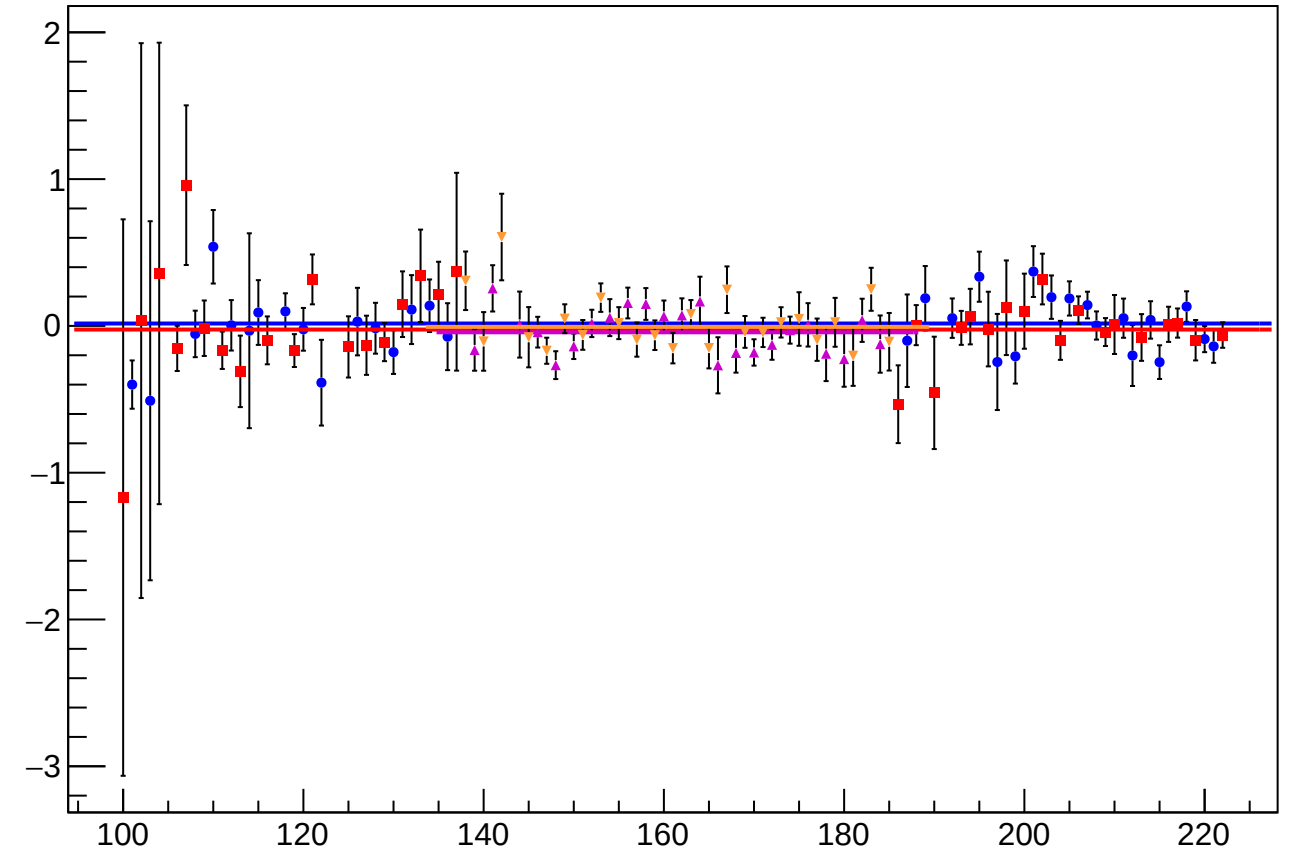
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 105.242+/-0.013 χ^2/NDF: 8972095.8/69

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 102.284+/-0.013 χ^2/NDF:7427061.9/59

All: 102.063+/-0.009 χ^2/NDF: 13161099.0/11



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: -0.025+/-0.027 χ^2/NDF: 30.2/35

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

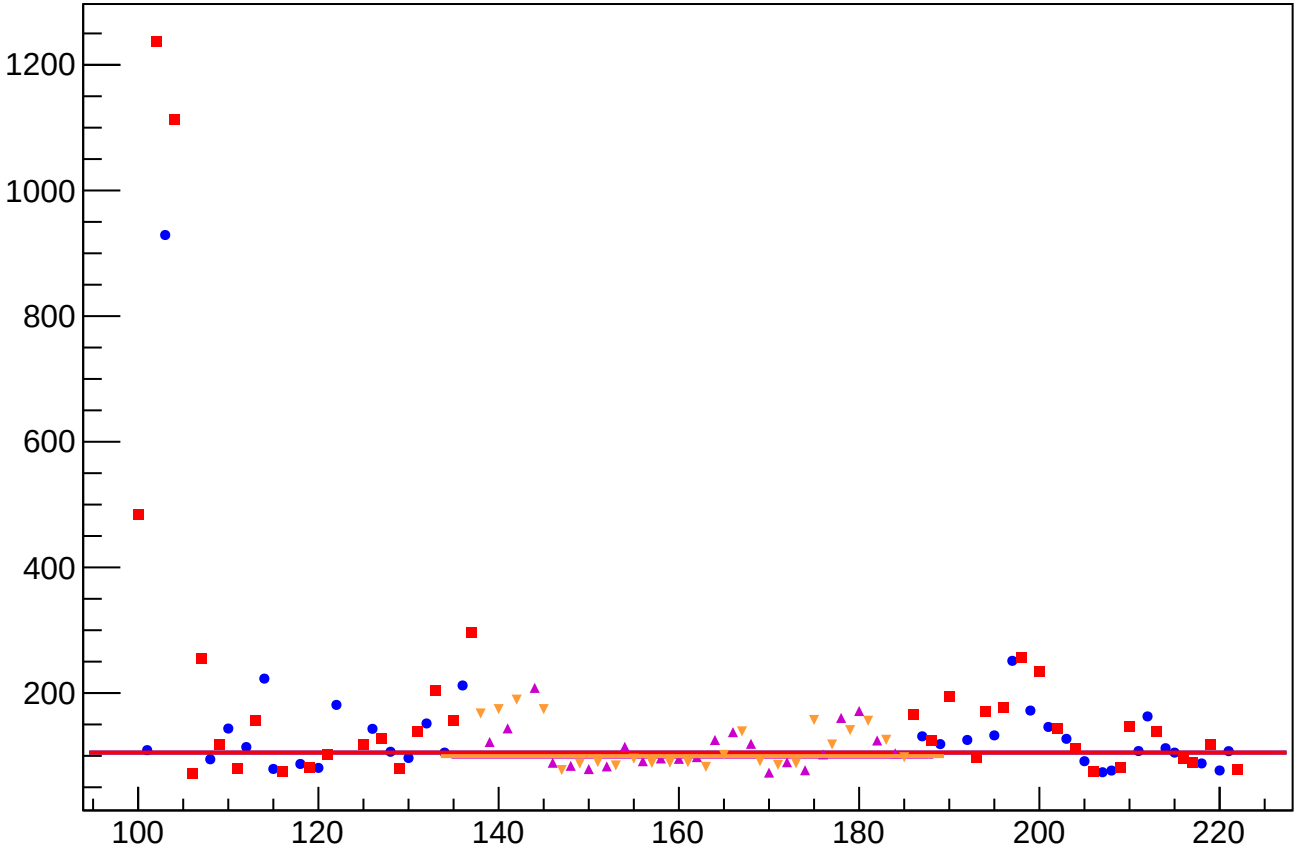
Right: -0.004+/-0.019 χ^2/NDF: 74.9/69

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.015+/-0.018 χ^2/NDF:58.2/59

All: -0.015+/-0.013 χ^2/NDF: 134.6/116

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 105.236+/-0.018 χ^2/NDF: 3663575.8/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 105.248+/-0.019 χ^2/NDF: 5308519.8/35

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

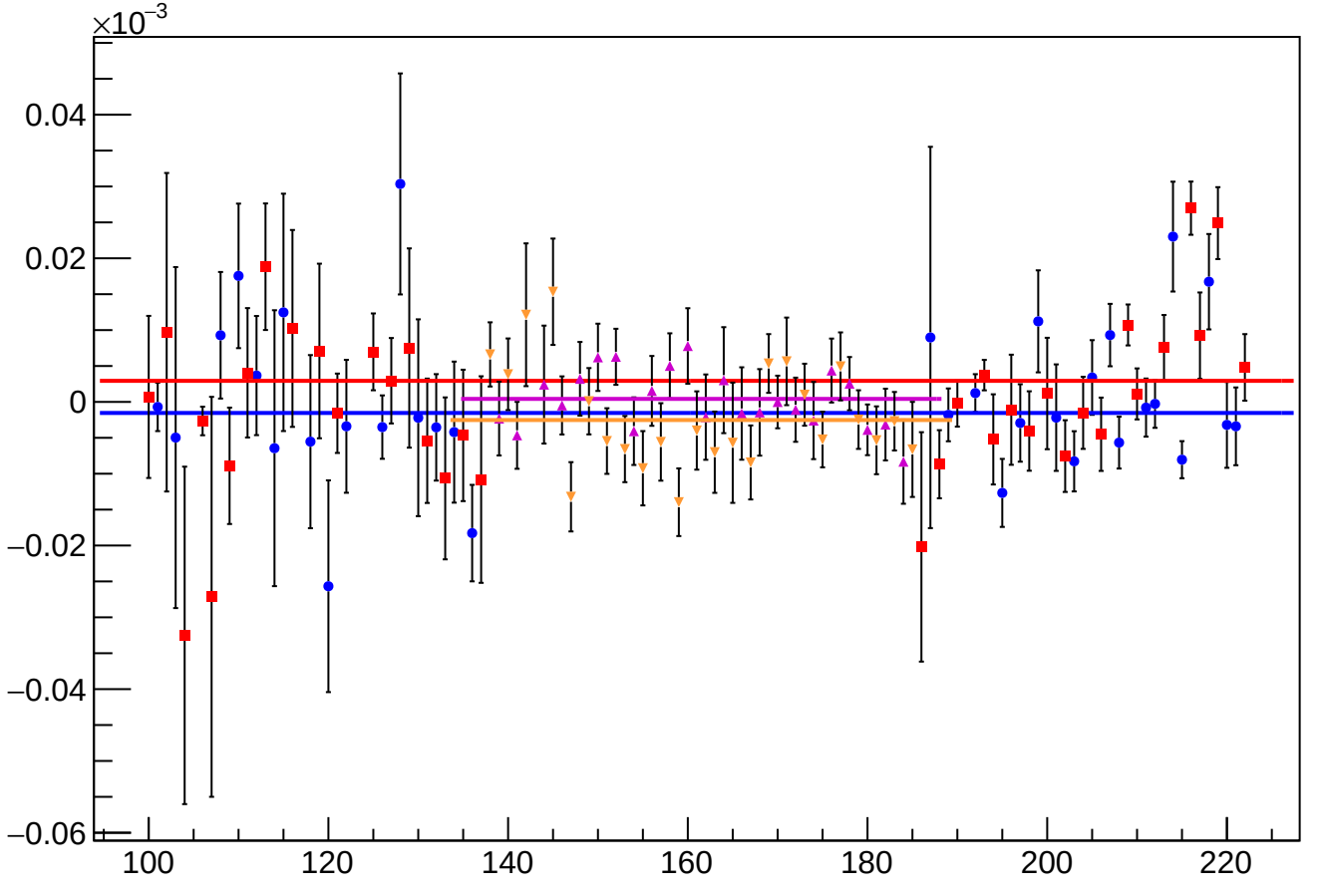
Right: 105.242+/-0.013 χ^2/NDF: 8972095.8/69

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 102.284+/-0.013 χ^2/NDF:7427061.9/59

All: 102.063+/-0.009 χ^2/NDF: 13161099.0/11

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: 114.1/35

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

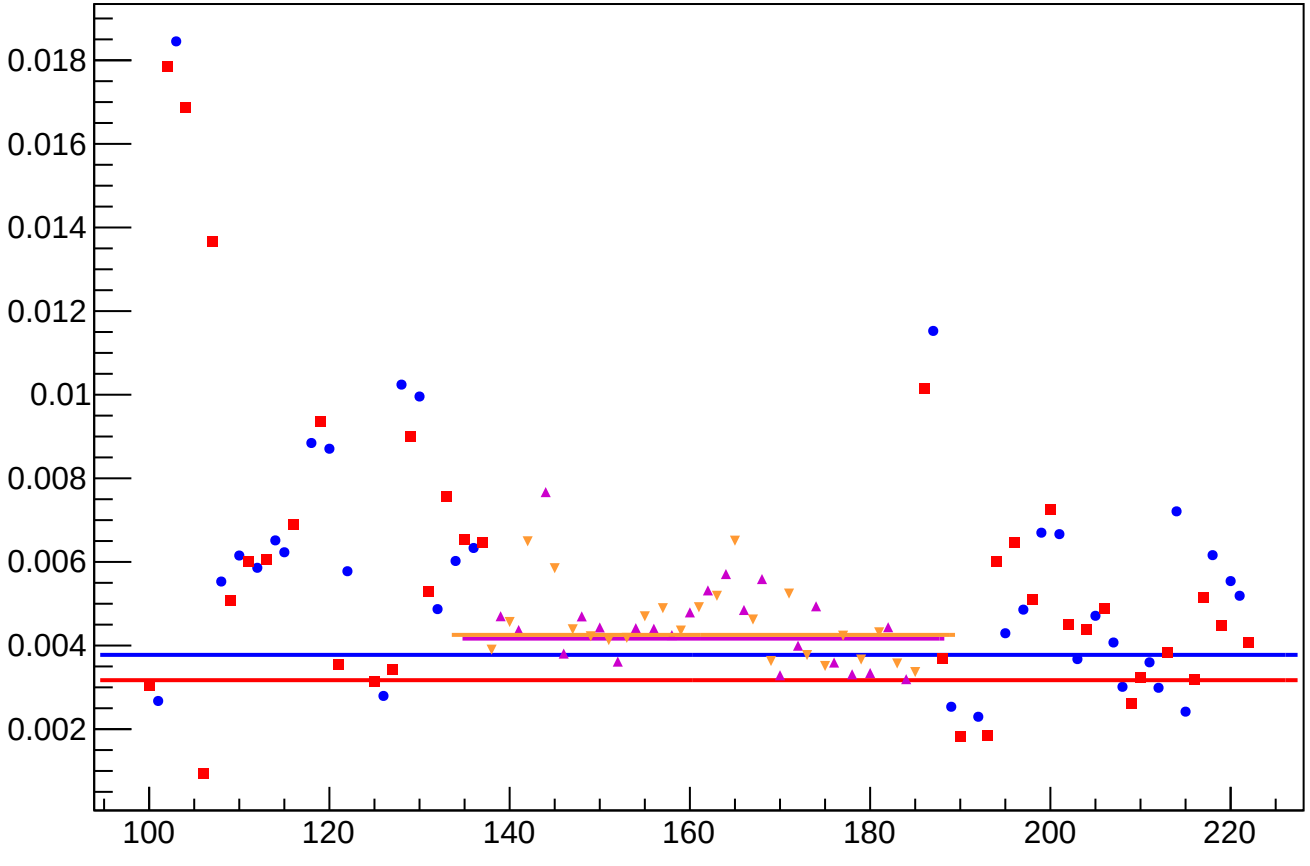
Right: 0.000+/-0.000 χ^2/NDF: 193.3/69

In: -0.000+/-0.000 χ^2/NDF:83.8/56

Out: 0.000+/-0.000 χ^2/NDF:171.8/59

All: 0.000+/-0.000 χ^2/NDF: 257.9/116

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: 10861965.1/35

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

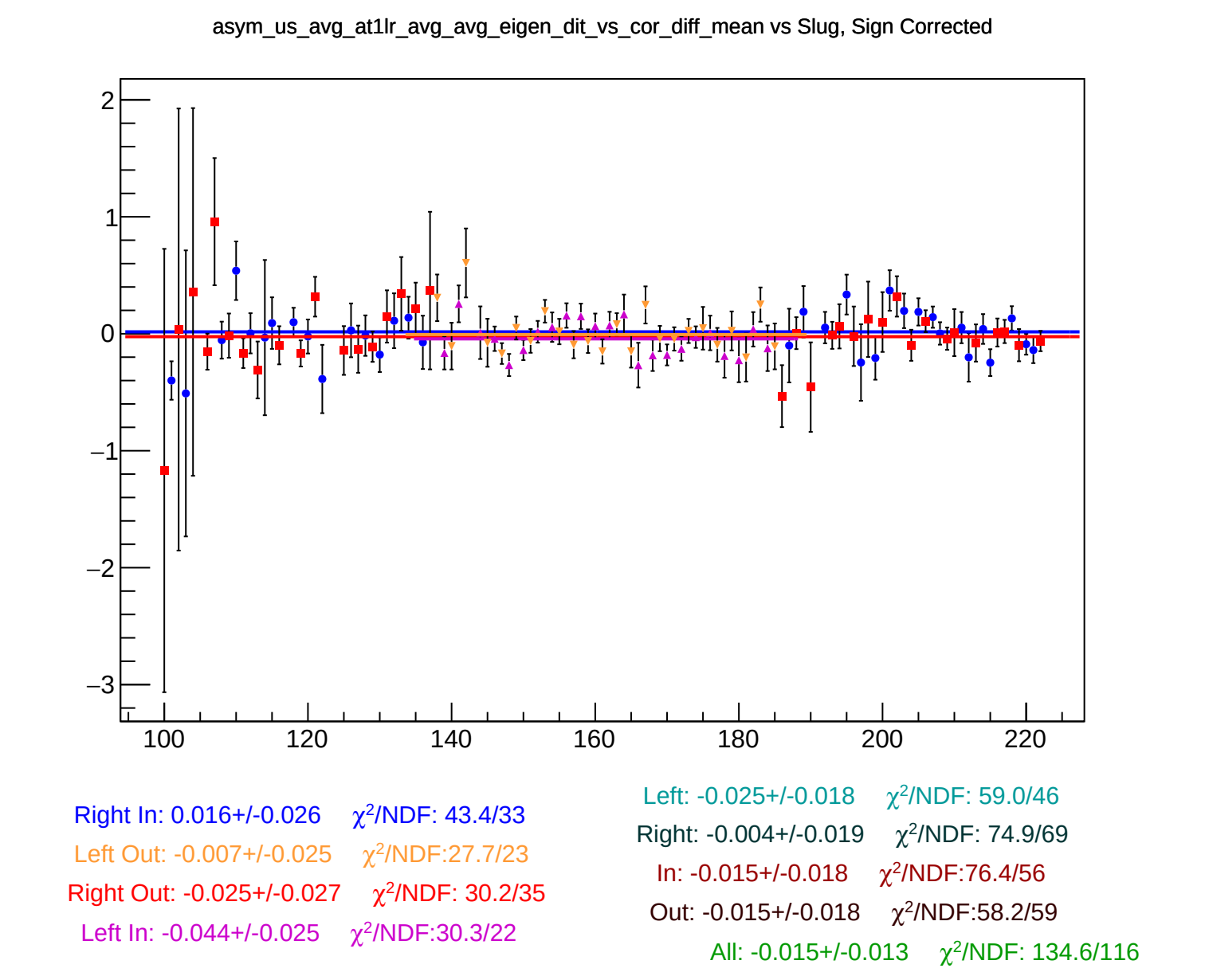
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 18279734.8/69

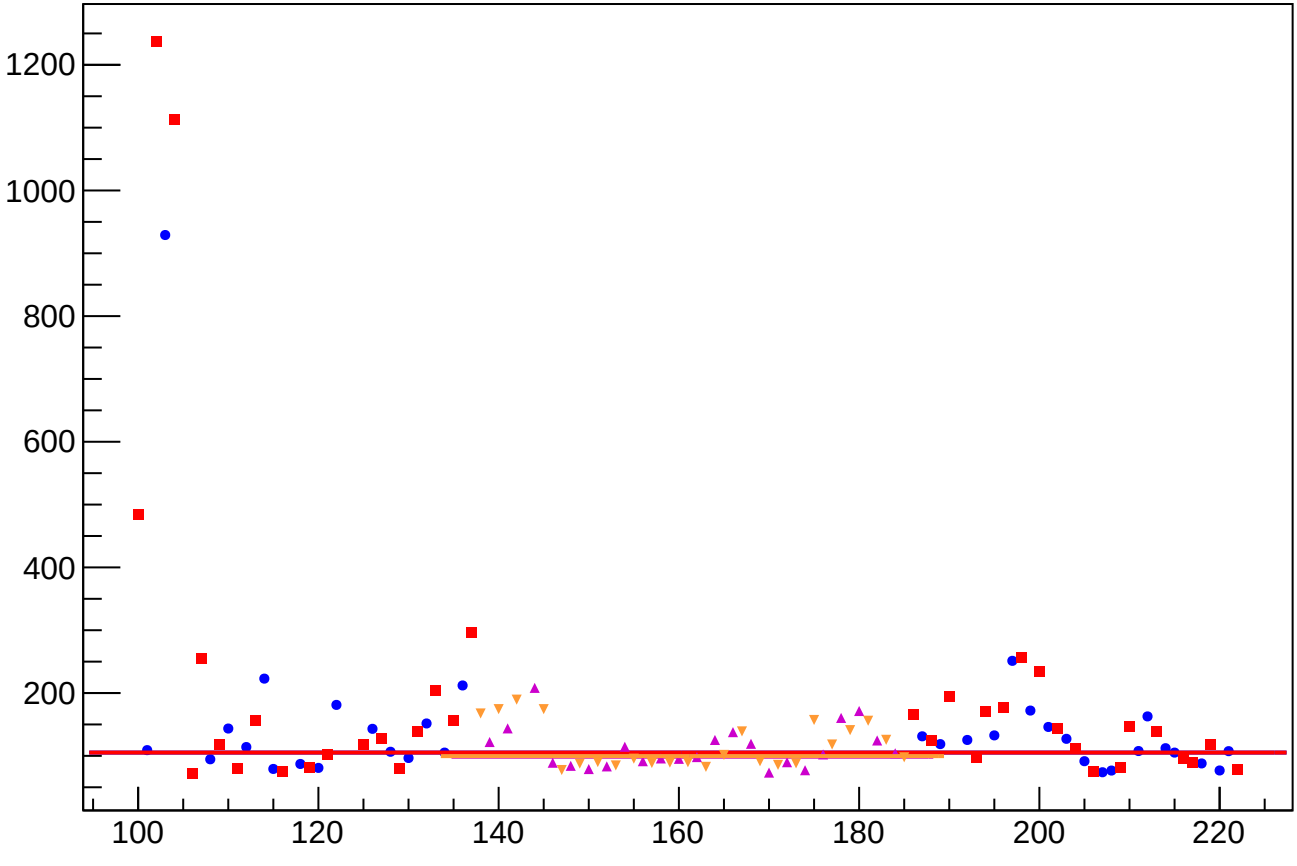
In: 0.004+/-0.000 χ^2/NDF:8371401.1/56

Out: 0.004+/-0.000 χ^2/NDF:13074709.7/59

All: 0.004+/-0.000 χ^2/NDF: 21731243.8/116


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.025+/-0.027 χ²/NDF: 30.2/35
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: -0.004+/-0.019 χ²/NDF: 74.9/69
In: -0.015+/-0.018 χ²/NDF:76.4/56
Out: -0.015+/-0.018 χ²/NDF:58.2/59
All: -0.015+/-0.013 χ²/NDF: 134.6/116

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 105.236+/-0.018 χ^2/NDF: 3663503.9/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 105.248+/-0.019 χ^2/NDF: 5308499.2/35

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

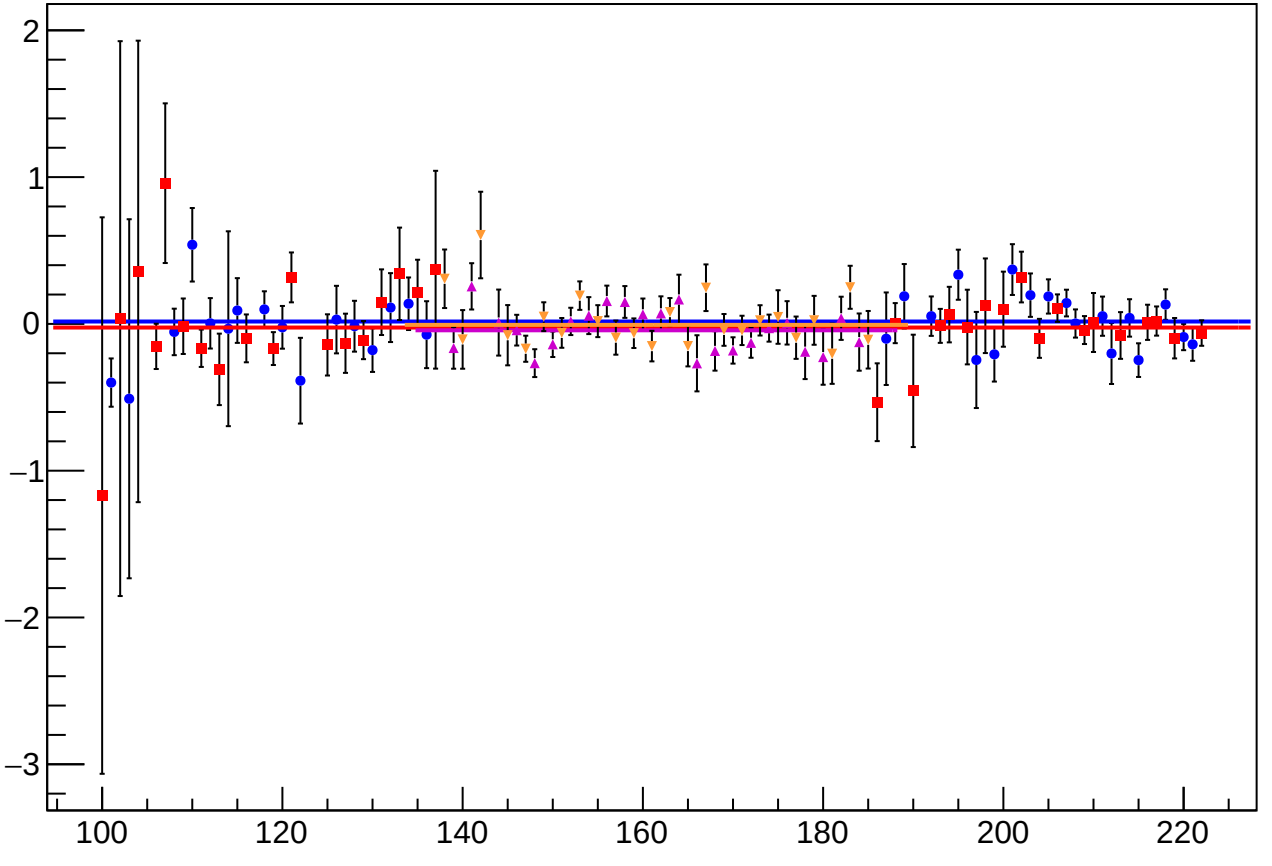
Right: 105.242+/-0.013 χ^2/NDF: 8972003.3/69

In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

Out: 102.284+/-0.013 χ^2/NDF:7426990.2/59

All: 102.063+/-0.009 χ^2/NDF: 13160914.4/11

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: -0.025+/-0.027 χ^2/NDF: 30.2/35

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

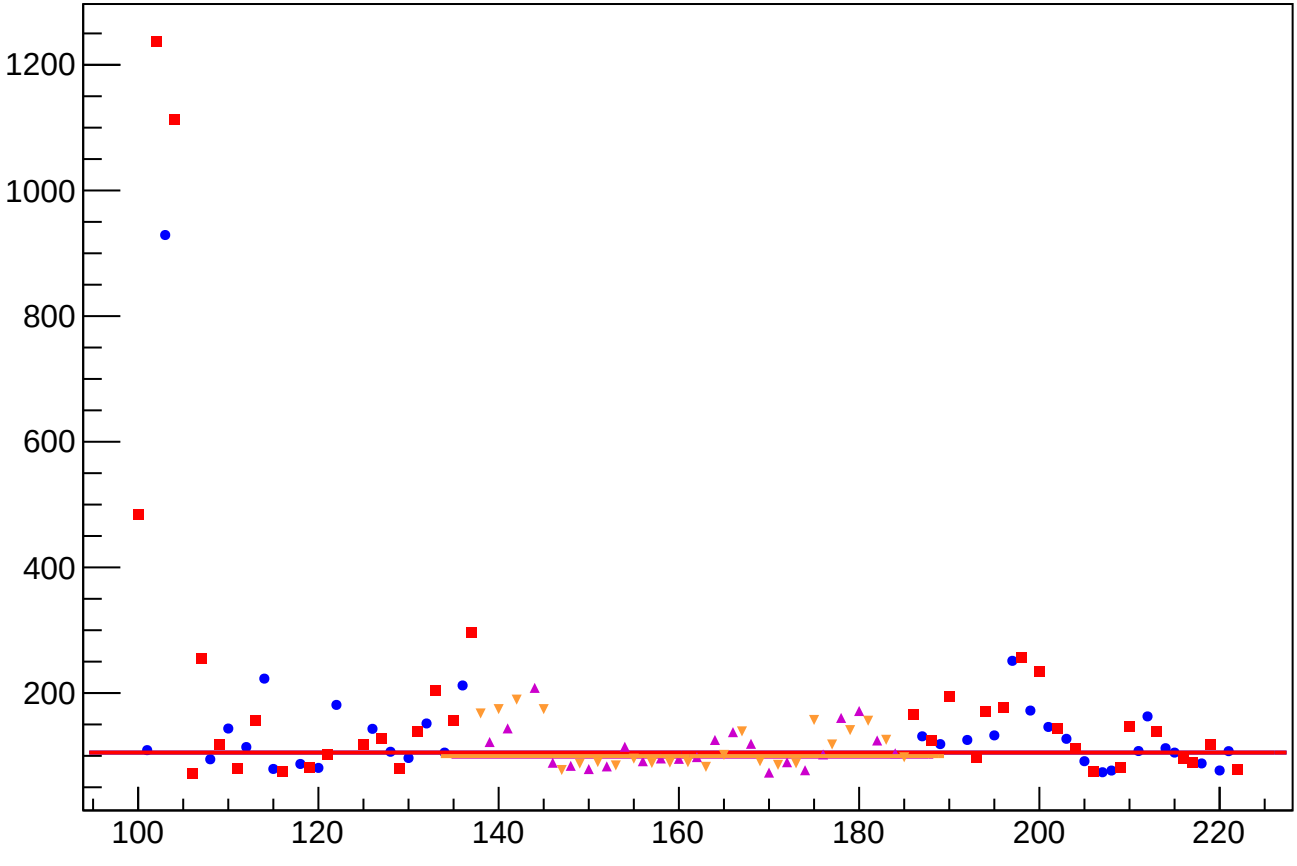
Right: -0.004+/-0.019 χ^2/NDF: 74.9/69

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.015+/-0.018 χ^2/NDF:58.2/59

All: -0.015+/-0.013 χ^2/NDF: 134.6/116

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 105.236+/-0.018 χ^2/NDF: 3663503.9/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 105.248+/-0.019 χ^2/NDF: 5308499.2/35

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

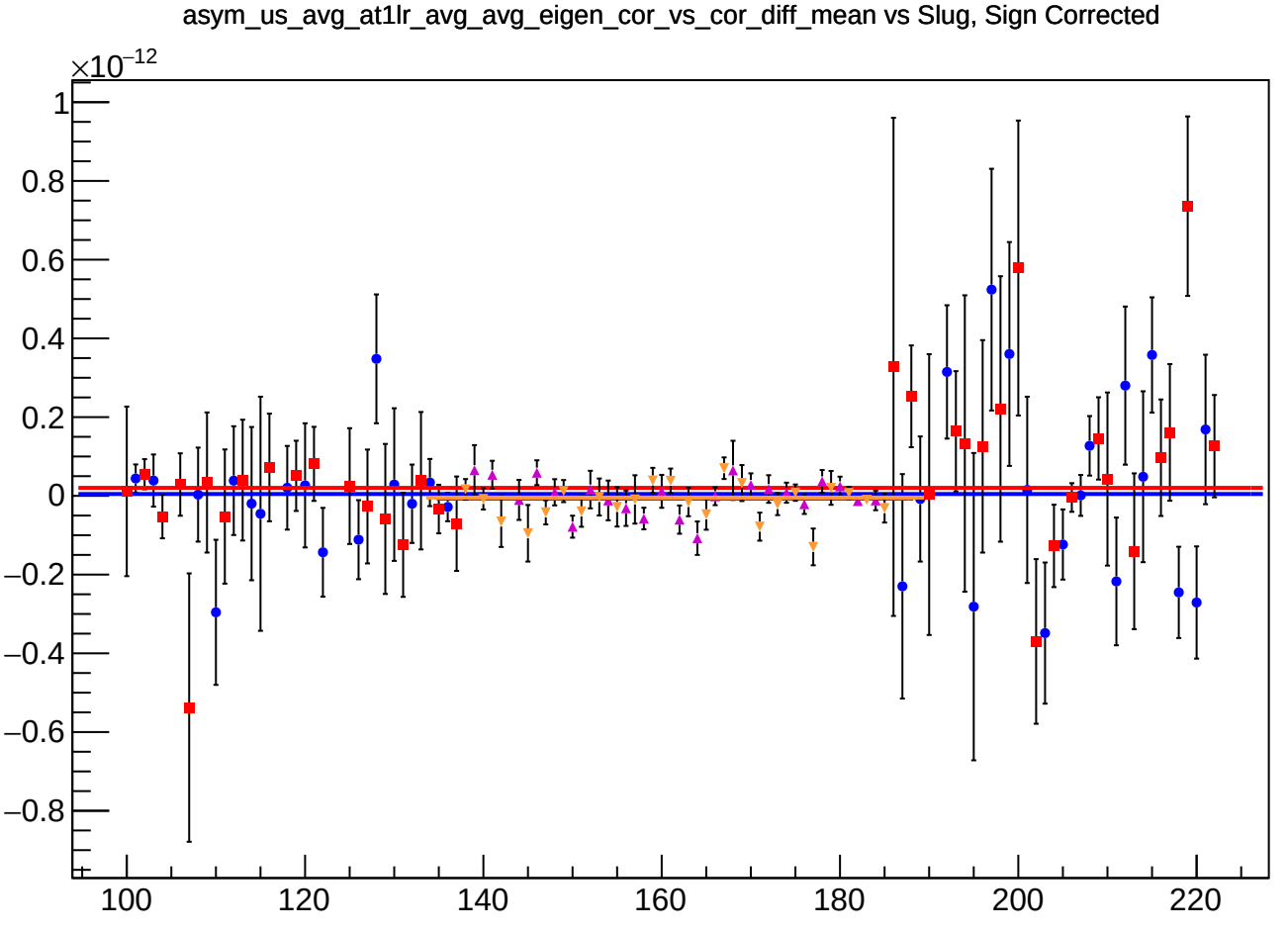
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

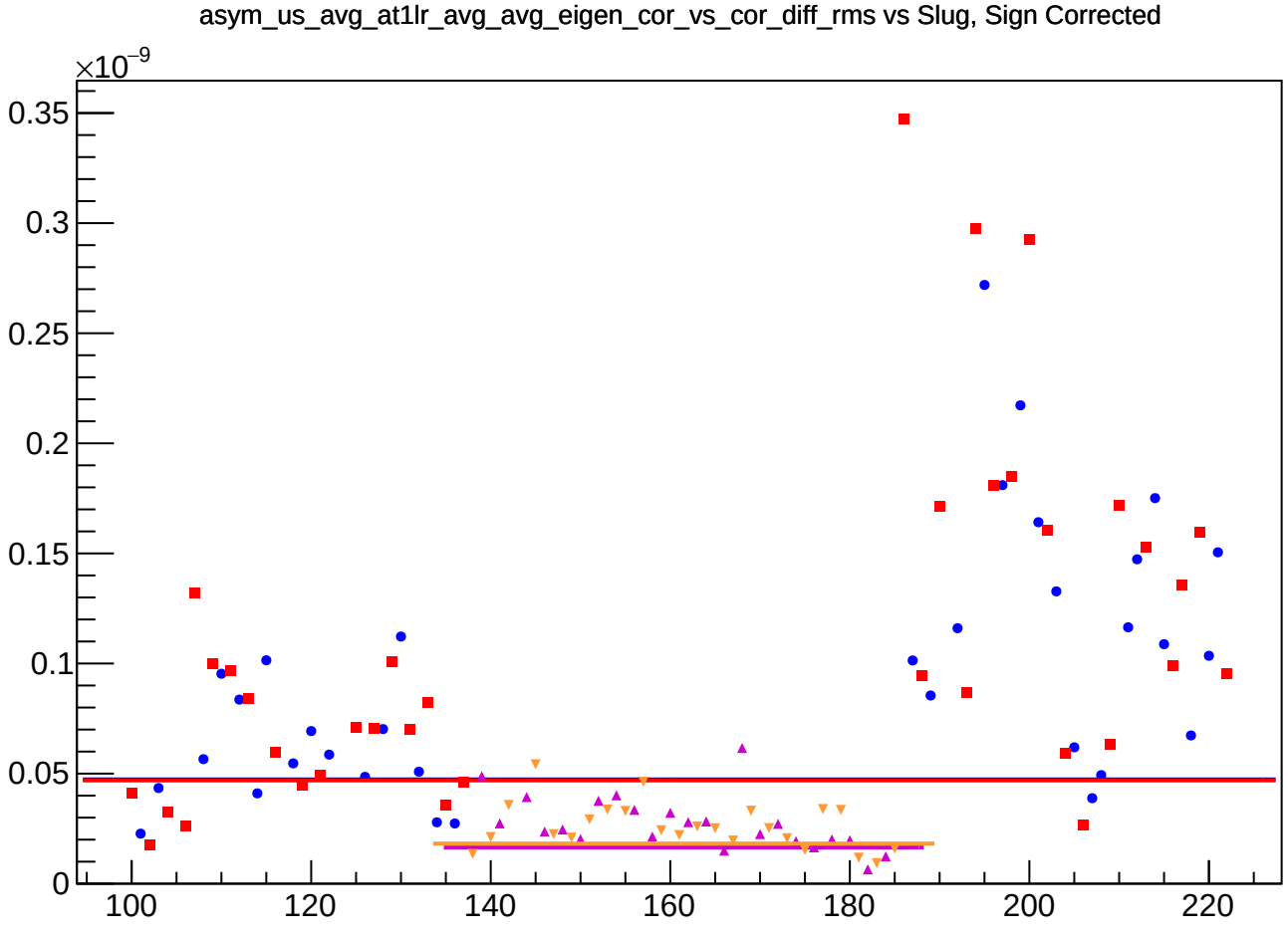
Right: 105.242+/-0.013 χ^2/NDF: 8972003.3/69

In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

Out: 102.284+/-0.013 χ^2/NDF:7426990.2/59

All: 102.063+/-0.009 χ^2/NDF: 13160914.4/11


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: 35.6/35
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: 85.3/69
In: -0.000+/-0.000 χ²/NDF:84.9/56
Out: -0.000+/-0.000 χ²/NDF:70.4/59
All: -0.000+/-0.000 χ²/NDF: 155.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 8654588.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10234275.2/35

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

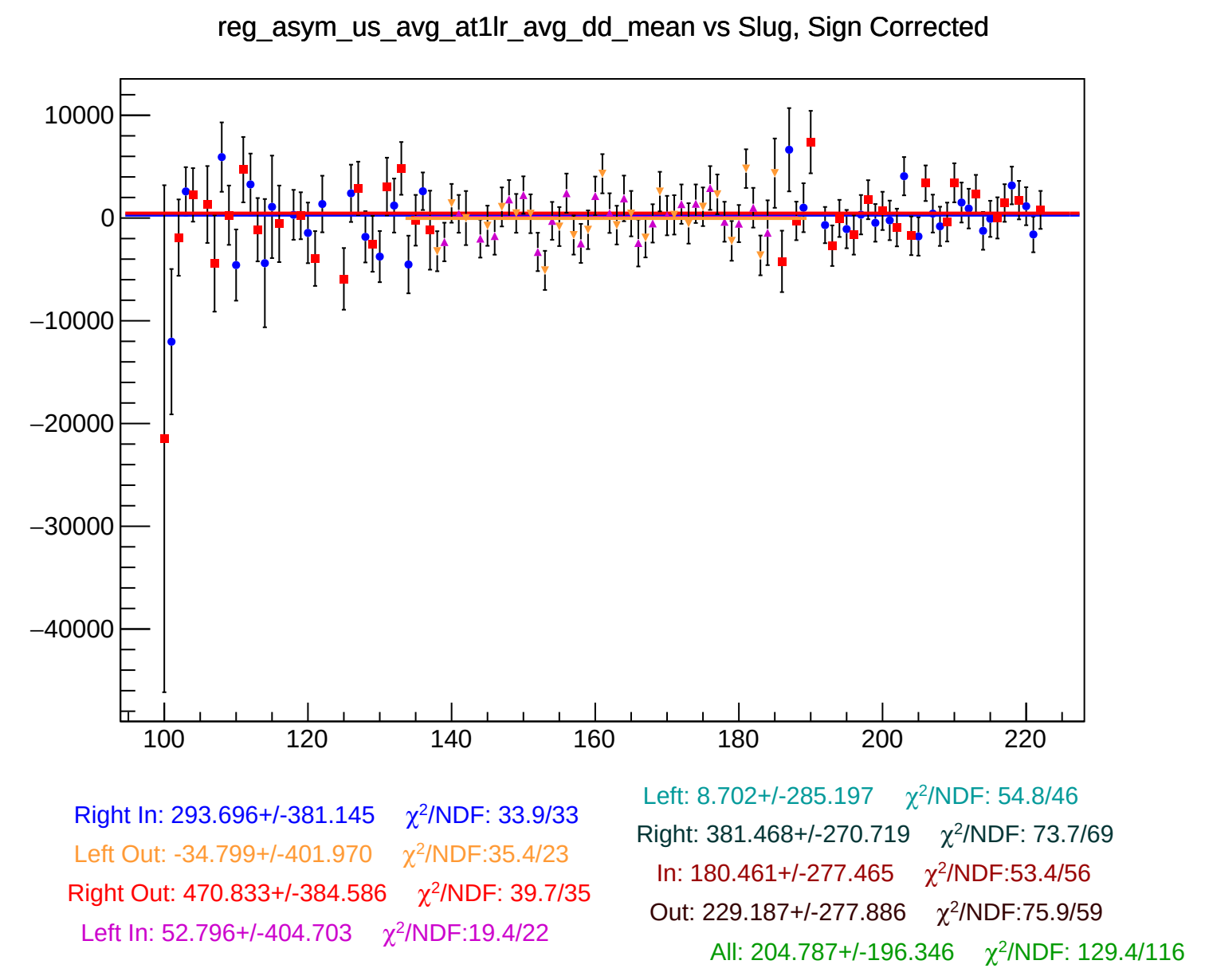
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

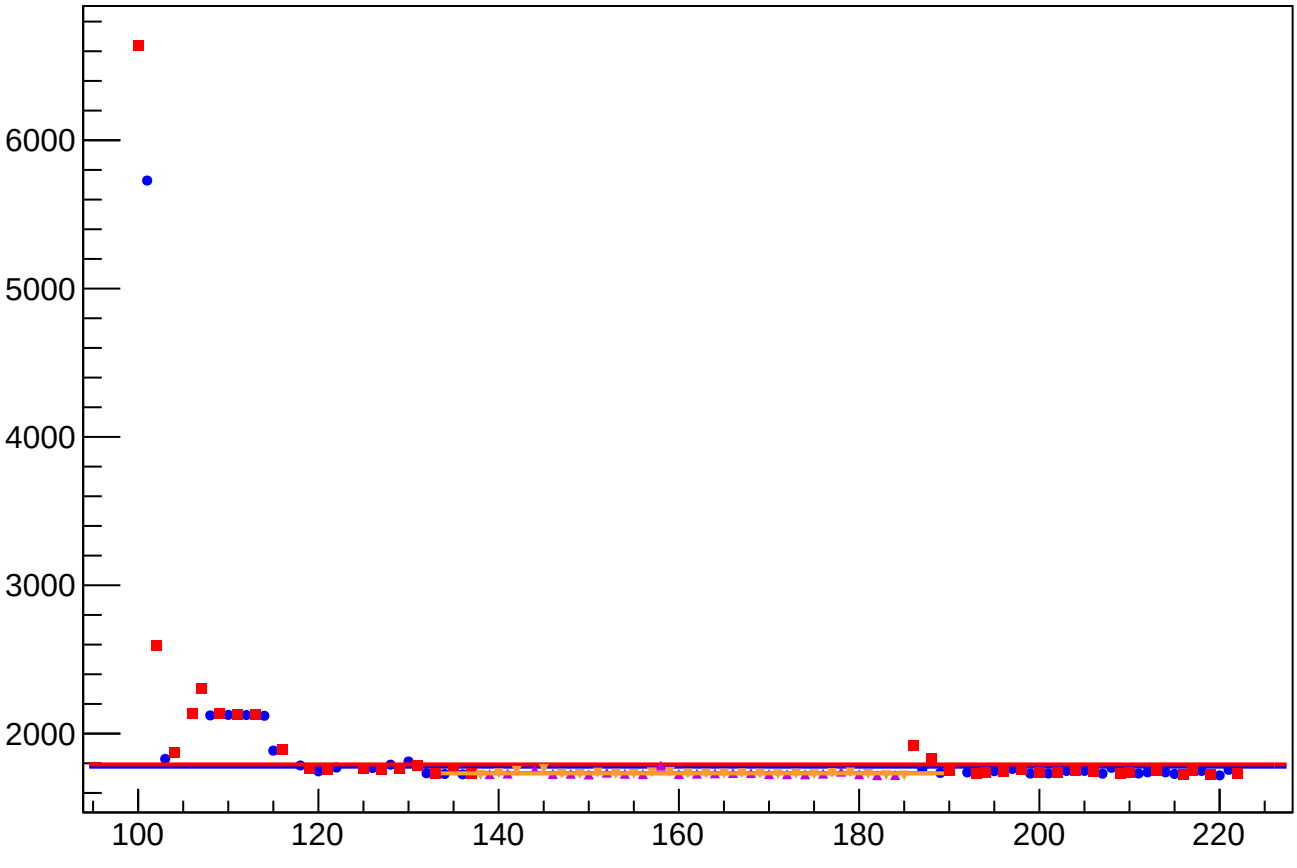
Right: 0.000+/-0.000 χ^2/NDF: 18889602.8/69

In: 0.000+/-0.000 χ^2/NDF:22260855.7/56

Out: 0.000+/-0.000 χ^2/NDF:19645703.0/59

All: 0.000+/-0.000 χ^2/NDF: 42000411.6/116


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: 470.833+/-384.586 χ²/NDF: 39.7/35
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 381.468+/-270.719 χ²/NDF: 73.7/69
In: 180.461+/-277.465 χ²/NDF:53.4/56
Out: 229.187+/-277.886 χ²/NDF:75.9/59
All: 204.787+/-196.346 χ²/NDF: 129.4/116



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: 1792.232+/-0.272 χ^2/NDF: 322448.4/35

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

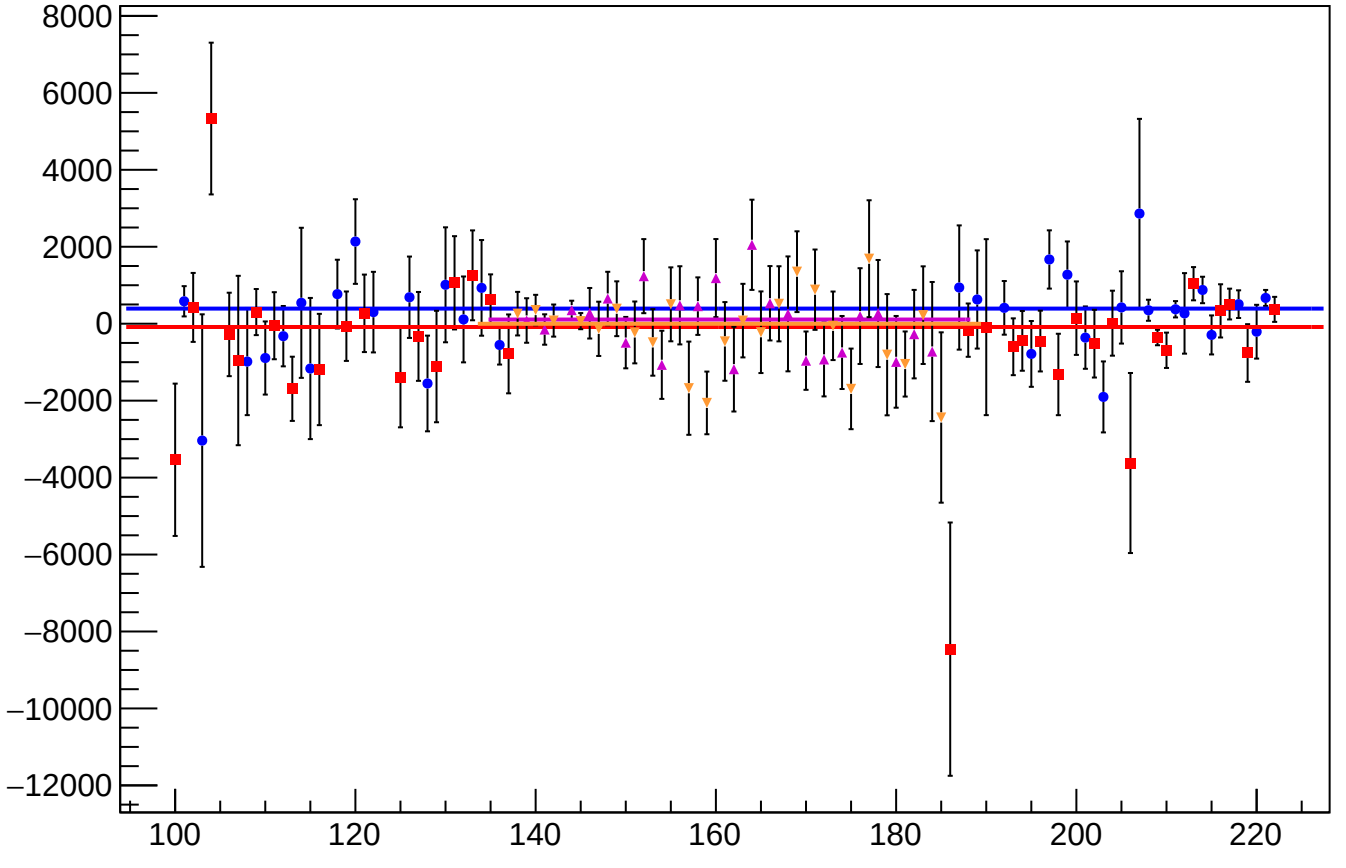
Right: 1784.593+/-0.191 χ^2/NDF: 1041680.4/69

In: 1756.514+/-0.196 χ^2/NDF:732299.9/56

Out: 1763.439+/-0.196 χ^2/NDF:346841.4/59

All: 1759.972+/-0.139 χ^2/NDF: 1079763.3/11

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: -85.477+/-108.957 χ^2/NDF: 48.5/35

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

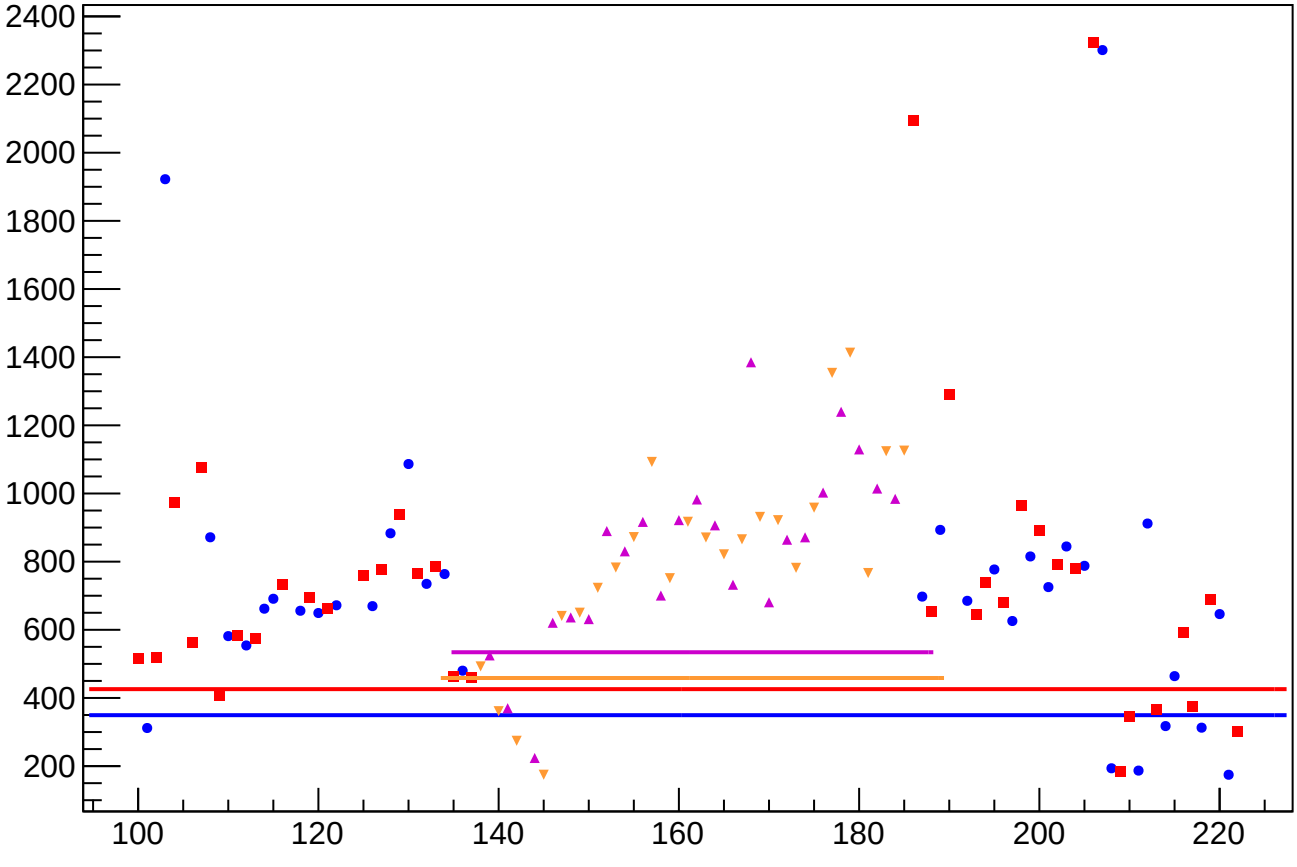
Right: 189.372+/-71.044 χ^2/NDF: 94.8/69

In: 307.520+/-78.427 χ^2/NDF:55.0/56

Out: -51.216+/-83.520 χ^2/NDF:69.0/59

All: 139.422+/-57.172 χ^2/NDF: 133.8/116

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: 425.901+/-0.077 χ^2/NDF: 10240614.9/35

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

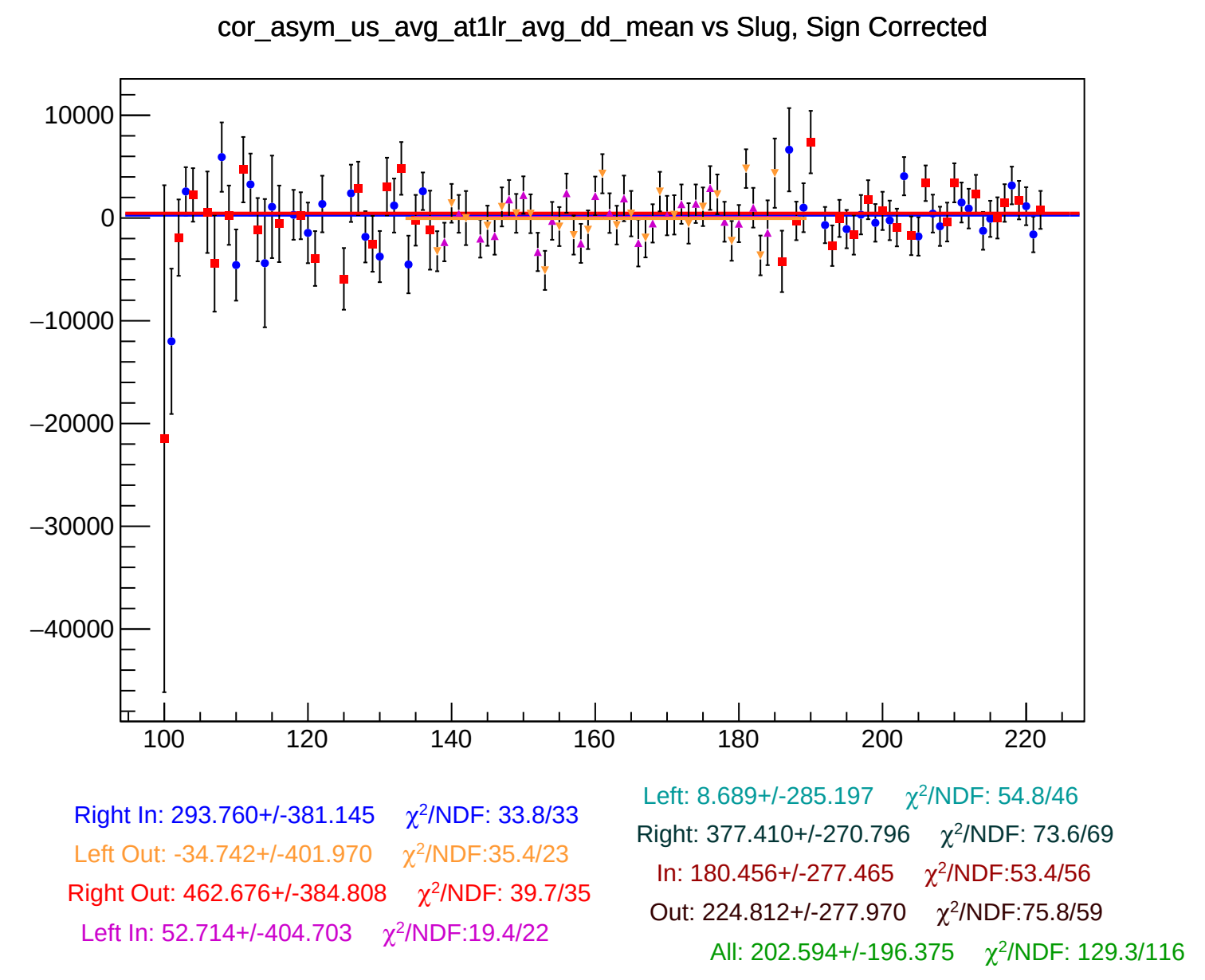
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

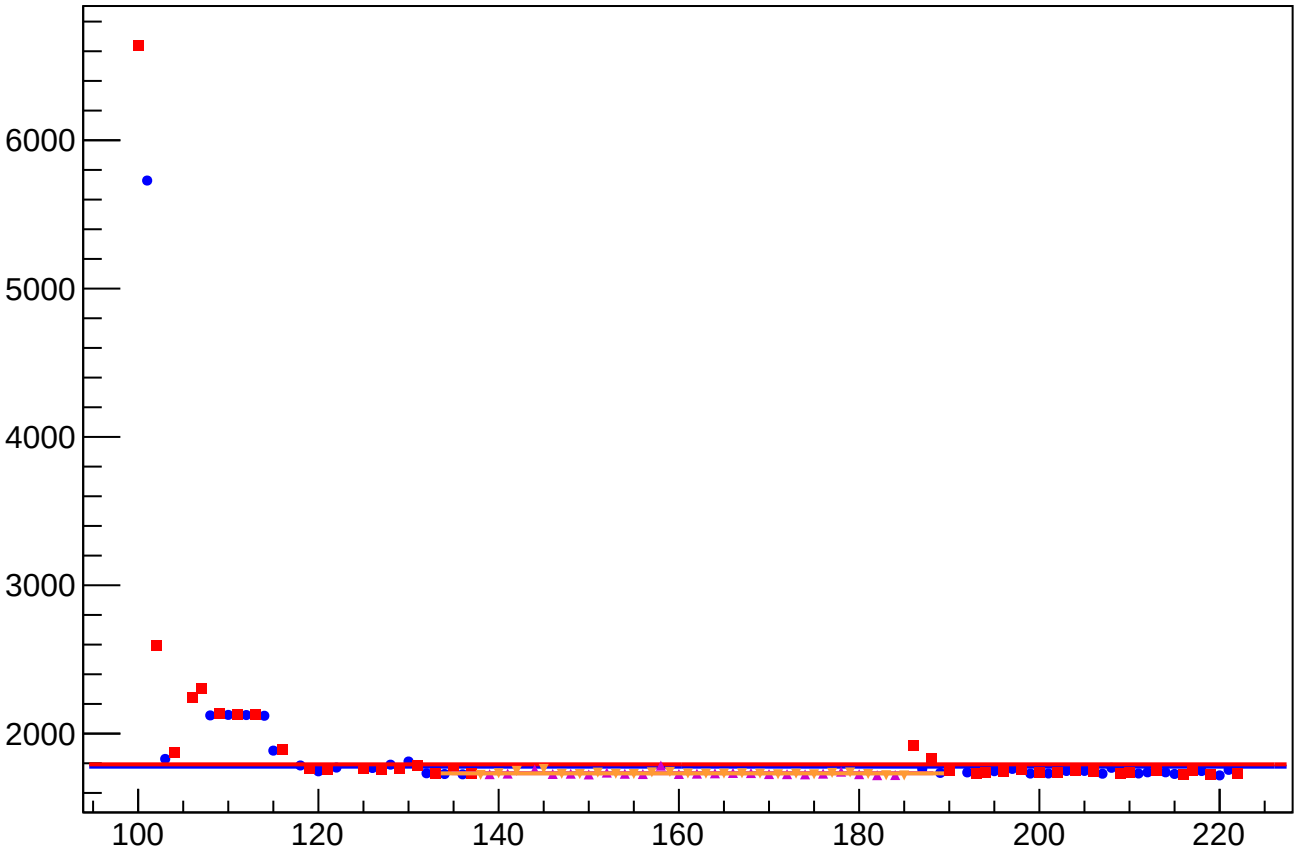
Right: 381.982+/-0.050 χ^2/NDF: 23423525.9/69

In: 404.801+/-0.055 χ^2/NDF:23386999.0/56

Out: 439.378+/-0.059 χ^2/NDF:21741545.8/59

All: 421.003+/-0.040 χ^2/NDF: 45310711.3/11


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: 462.676+/-384.808 χ²/NDF: 39.7/35
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 377.410+/-270.796 χ²/NDF: 73.6/69
In: 180.456+/-277.465 χ²/NDF:53.4/56
Out: 224.812+/-277.970 χ²/NDF:75.8/59
All: 202.594+/-196.375 χ²/NDF: 129.3/116



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: 1792.825+/-0.272 χ^2/NDF: 331212.9/35

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

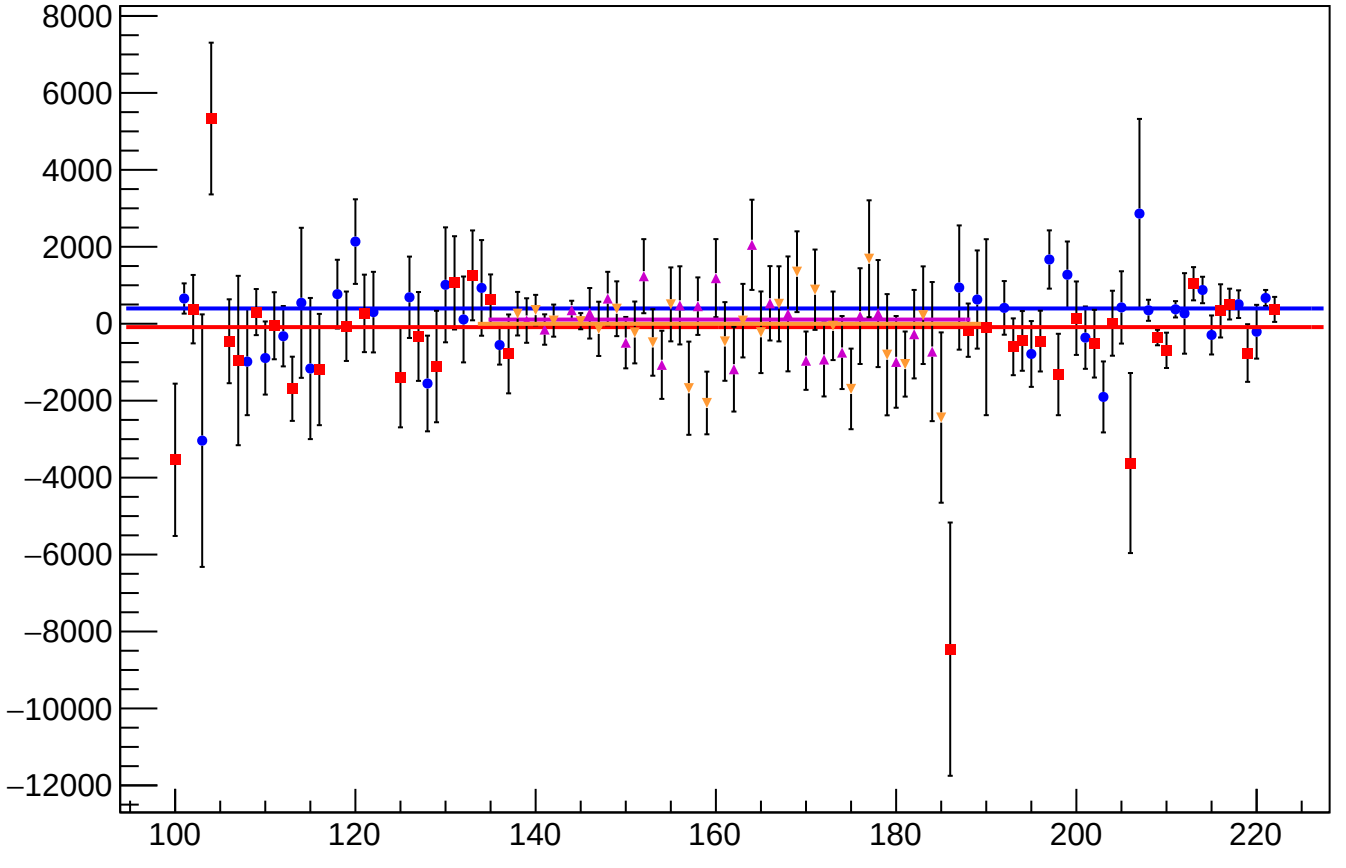
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1784.883+/-0.191 χ^2/NDF: 1050568.9/69

In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1763.732+/-0.197 χ^2/NDF:356057.4/59

All: 1760.117+/-0.139 χ^2/NDF: 1089032.5/11



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: -87.829+/-108.950 χ^2/NDF: 48.6/35

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

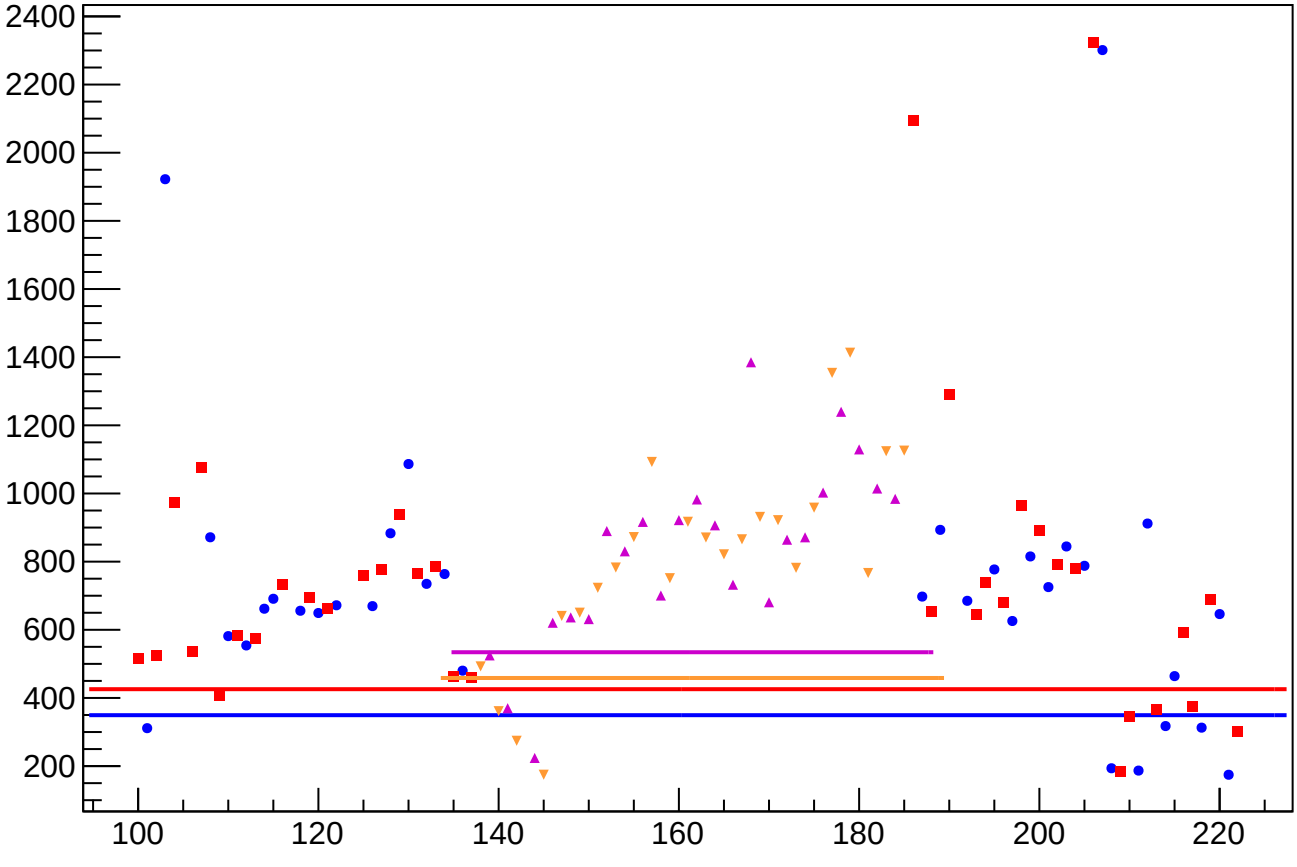
Right: 190.887+/-71.038 χ^2/NDF: 95.4/69

In: 310.576+/-78.421 χ^2/NDF:55.3/56

Out: -52.652+/-83.517 χ^2/NDF:69.1/59

All: 140.381+/-57.169 χ^2/NDF: 134.5/116

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: 425.725+/-0.077 χ^2/NDF: 10233298.8/35

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

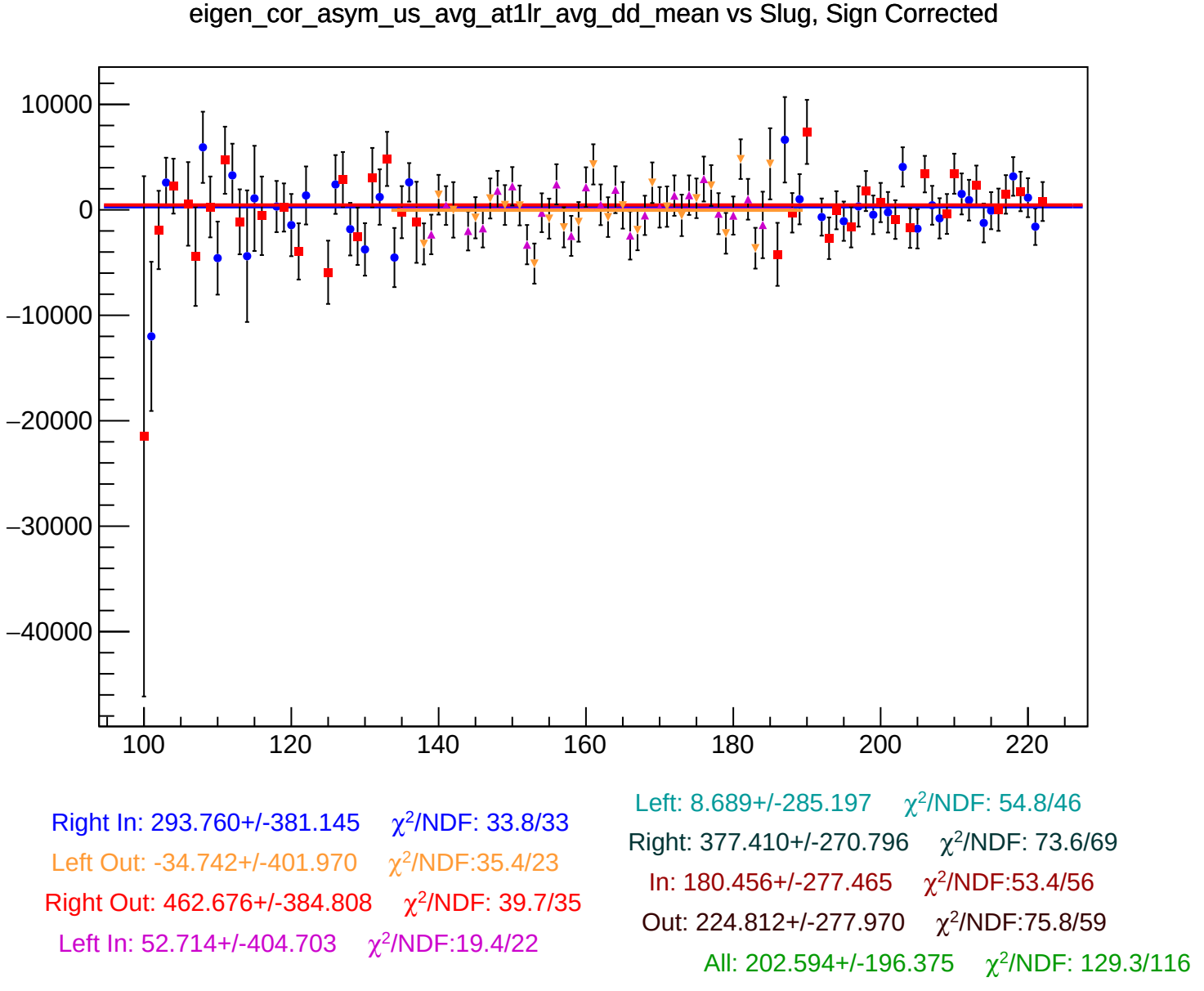
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

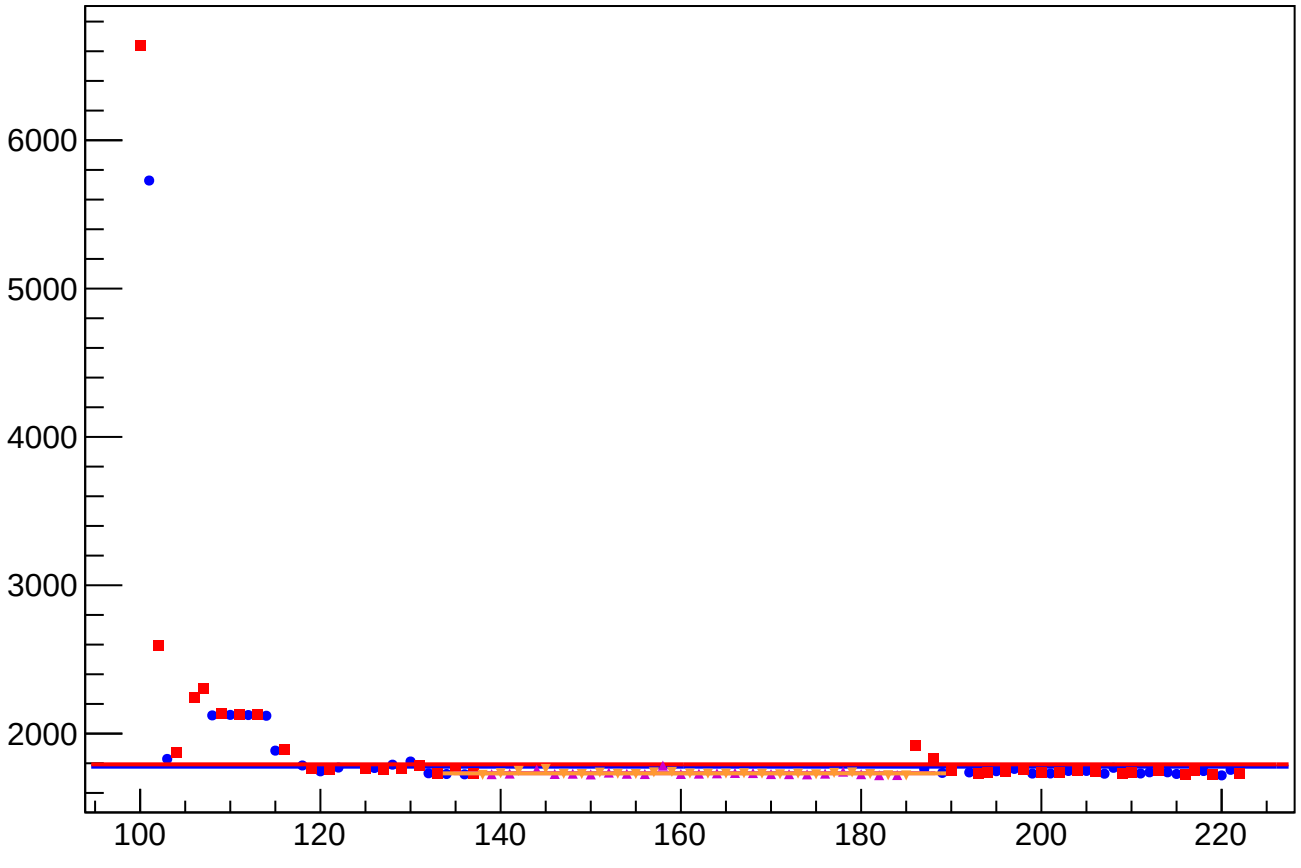
Right: 381.868+/-0.050 χ^2/NDF: 23417034.8/69

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 439.278+/-0.059 χ^2/NDF:21734663.1/59

All: 420.927+/-0.040 χ^2/NDF: 45307218.8/11


eigen_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: 462.676+/-384.808 χ²/NDF: 39.7/35
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 377.410+/-270.796 χ²/NDF: 73.6/69
In: 180.456+/-277.465 χ²/NDF:53.4/56
Out: 224.812+/-277.970 χ²/NDF:75.8/59
All: 202.594+/-196.375 χ²/NDF: 129.3/116



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: 1792.825+/-0.272 χ^2/NDF: 331212.9/35

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

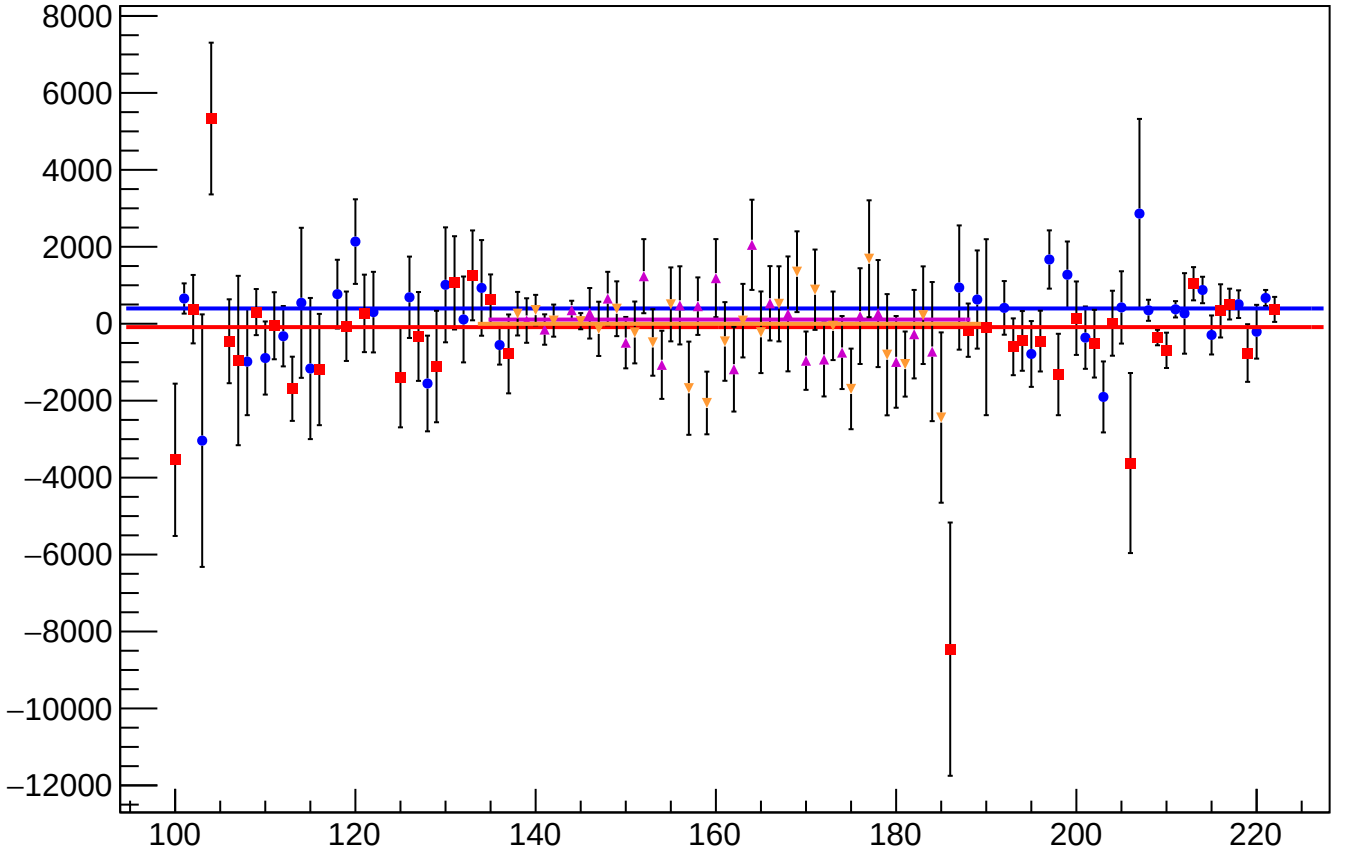
Right: 1784.883+/-0.191 χ^2/NDF: 1050568.9/69

In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1763.732+/-0.197 χ^2/NDF:356057.4/59

All: 1760.117+/-0.139 χ^2/NDF: 1089032.5/11

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: -87.829+/-108.950 χ^2/NDF: 48.6/35

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

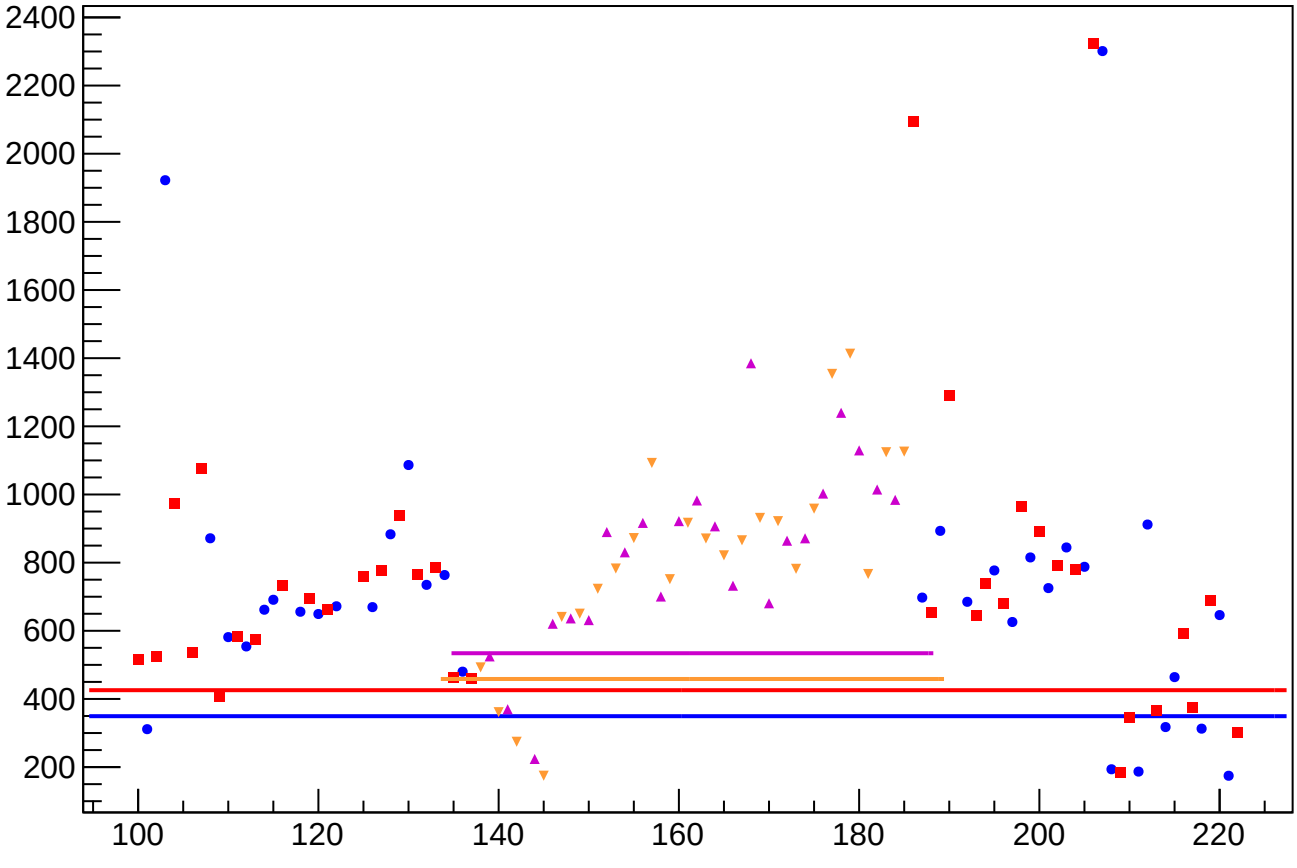
Right: 190.887+/-71.038 χ^2/NDF: 95.4/69

In: 310.576+/-78.421 χ^2/NDF:55.3/56

Out: -52.652+/-83.517 χ^2/NDF:69.1/59

All: 140.381+/-57.169 χ^2/NDF: 134.5/116

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: 425.725+/-0.077 χ^2/NDF: 10233298.8/35

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

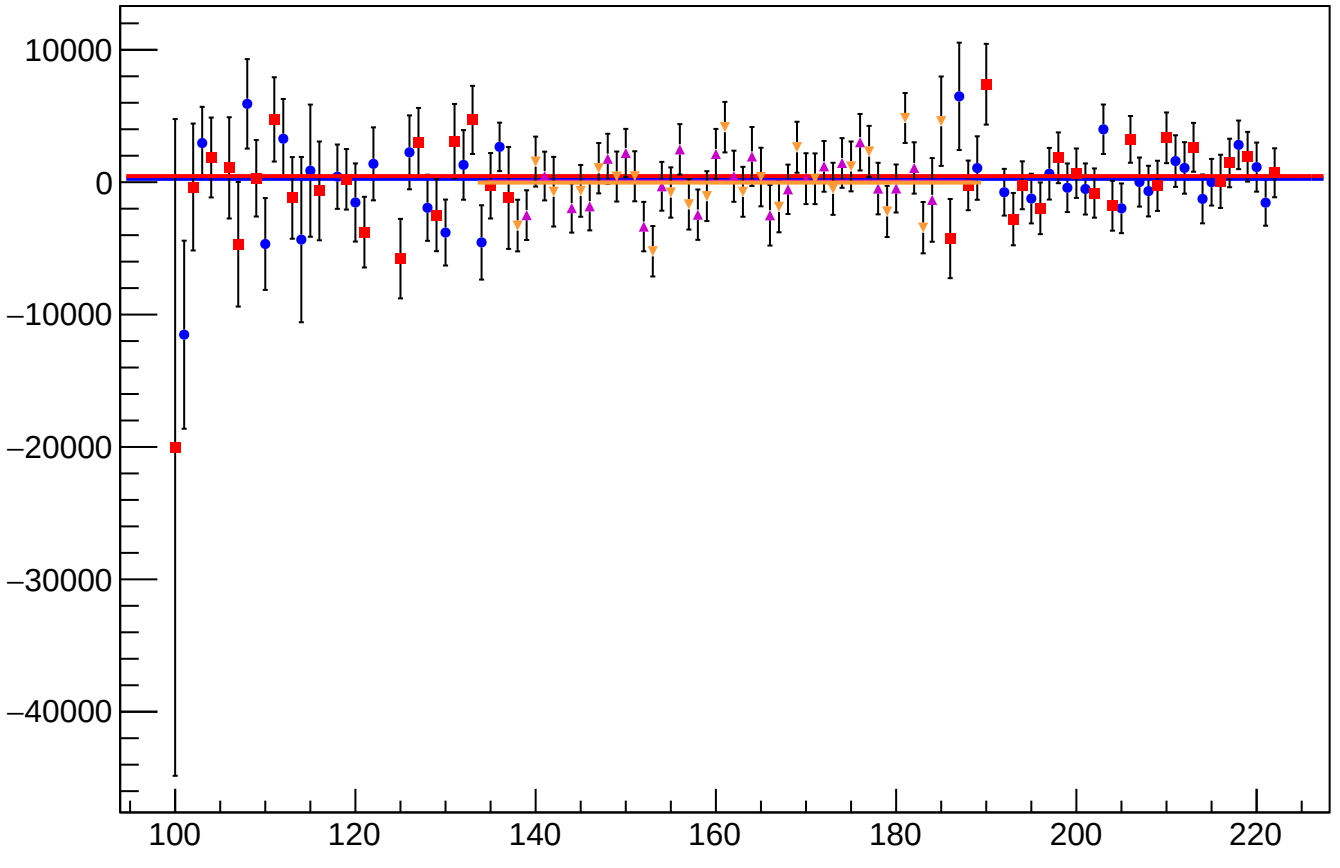
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 381.868+/-0.050 χ^2/NDF: 23417034.8/69

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 439.278+/-0.059 χ^2/NDF:21734663.1/59

All: 420.927+/-0.040 χ^2/NDF: 45307218.8/11



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: 462.013+/-388.033 χ^2/NDF: 39.1/35

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

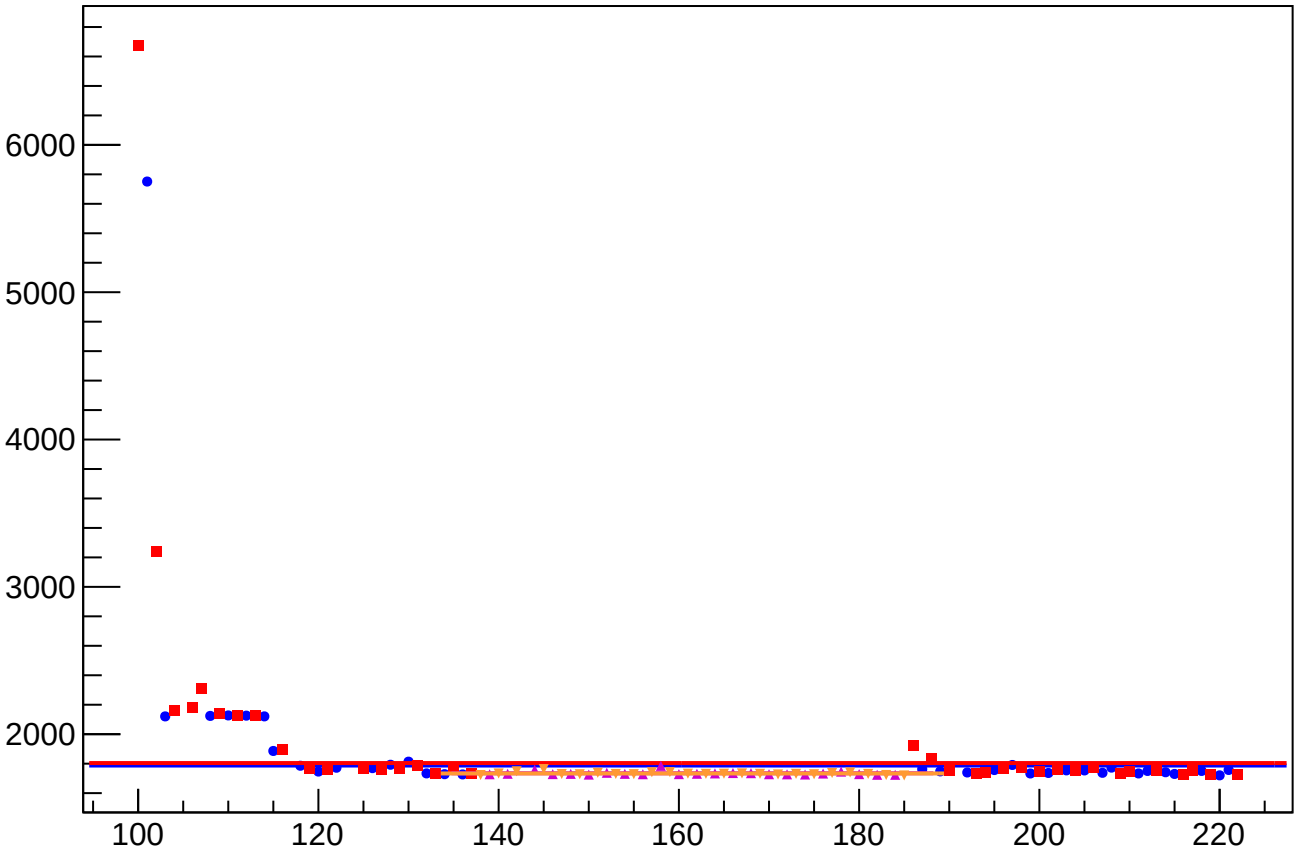
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 356.509+/-272.755 χ^2/NDF: 72.7/69

In: 153.737+/-278.473 χ^2/NDF:53.5/56

Out: 225.191+/-279.294 χ^2/NDF:75.3/59

All: 189.358+/-197.200 χ^2/NDF: 128.8/116



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: 1804.140+/-0.274 χ^2/NDF: 435421.8/35

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

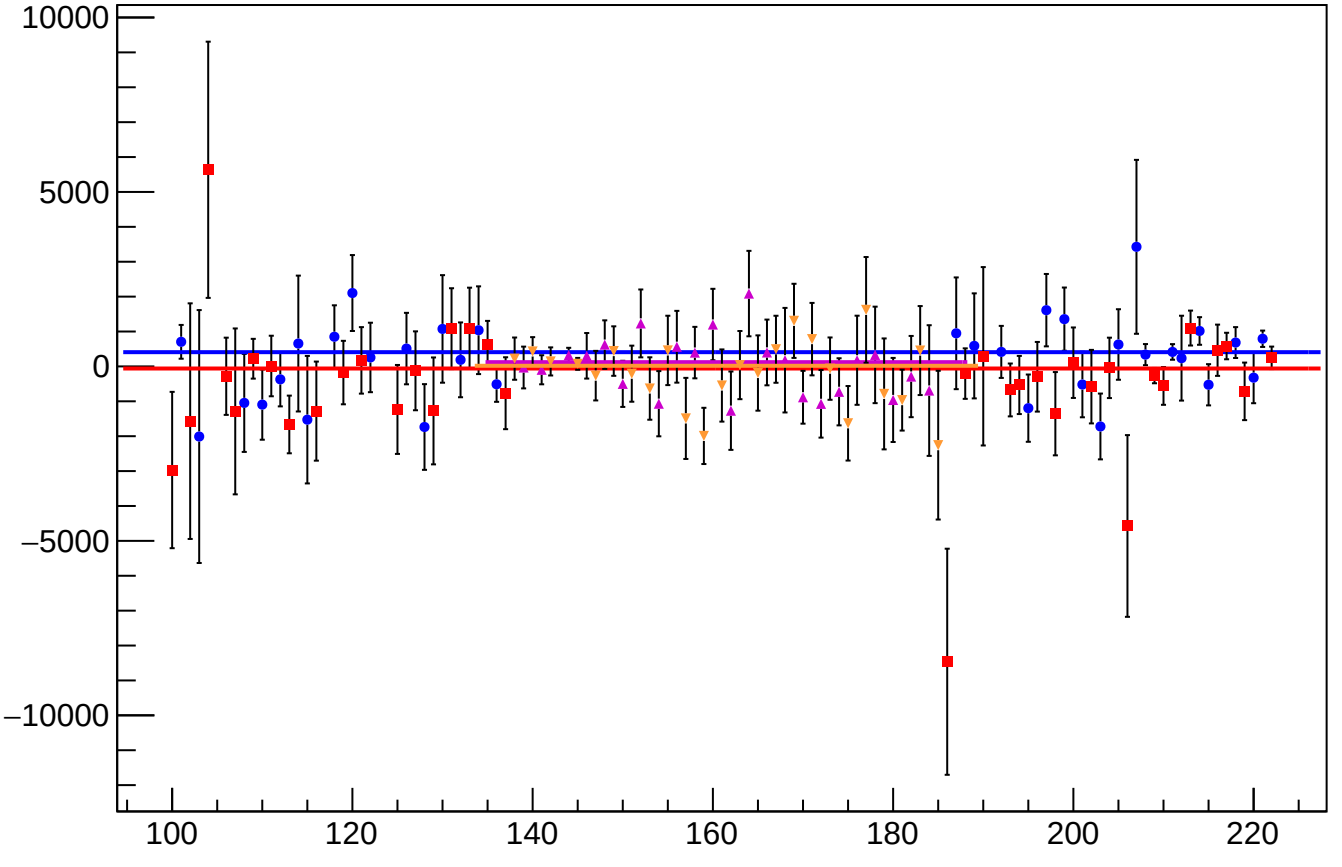
Right: 1795.634+/-0.193 χ^2/NDF: 1183466.9/69

In: 1762.504+/-0.197 χ^2/NDF:766050.4/56

Out: 1770.086+/-0.197 χ^2/NDF:468286.2/59

All: 1766.284+/-0.139 χ^2/NDF: 1235075.7/11

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: -60.169+/-115.435 χ^2/NDF: 38.7/35

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

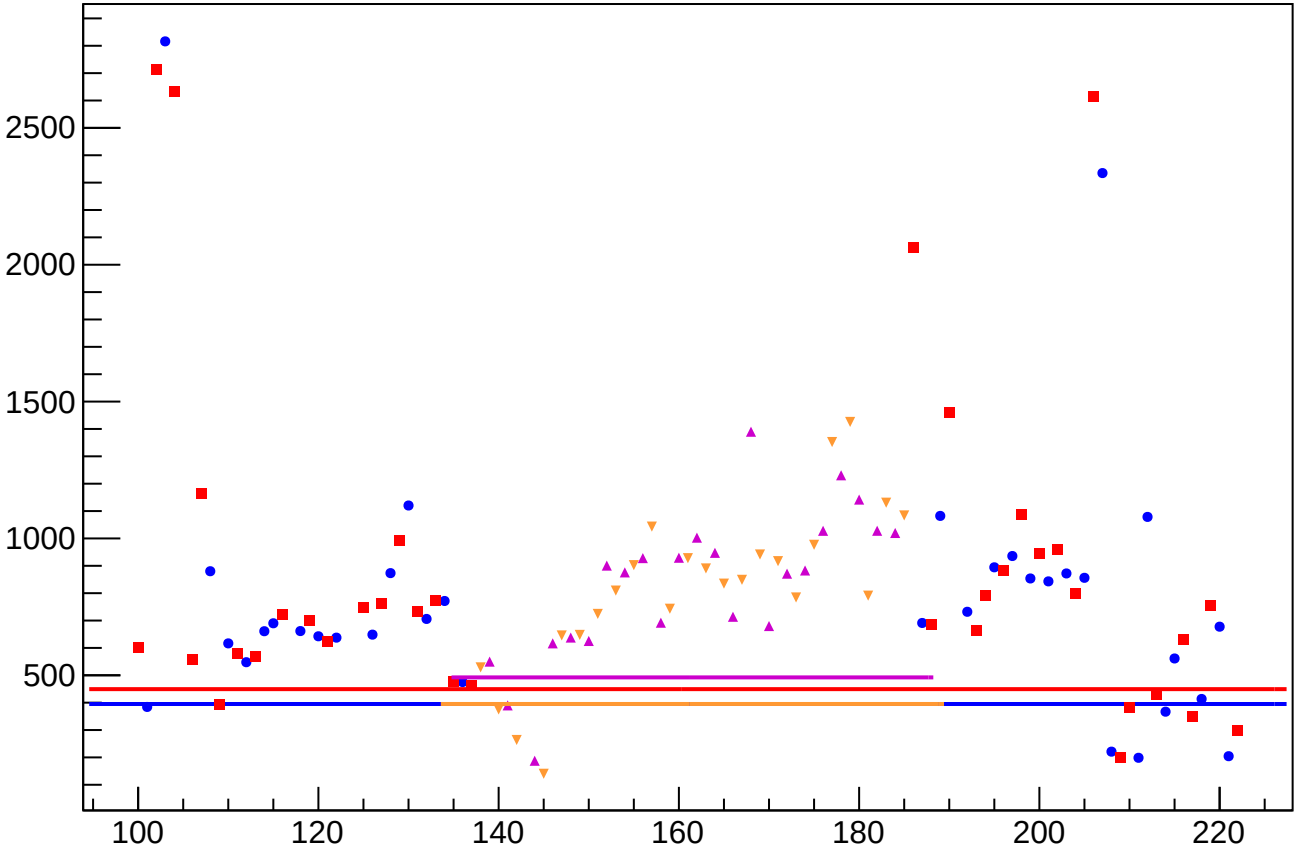
Right: 200.125+/-76.941 χ^2/NDF: 85.6/69

In: 304.620+/-82.468 χ^2/NDF:57.0/56

Out: -22.369+/-82.969 χ^2/NDF:58.4/59

All: 142.116+/-58.490 χ^2/NDF: 123.2/116

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 395.092+/-0.073 χ^2/NDF: 12772137.0/33

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 449.398+/-0.082 χ^2/NDF: 11717020.5/35

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

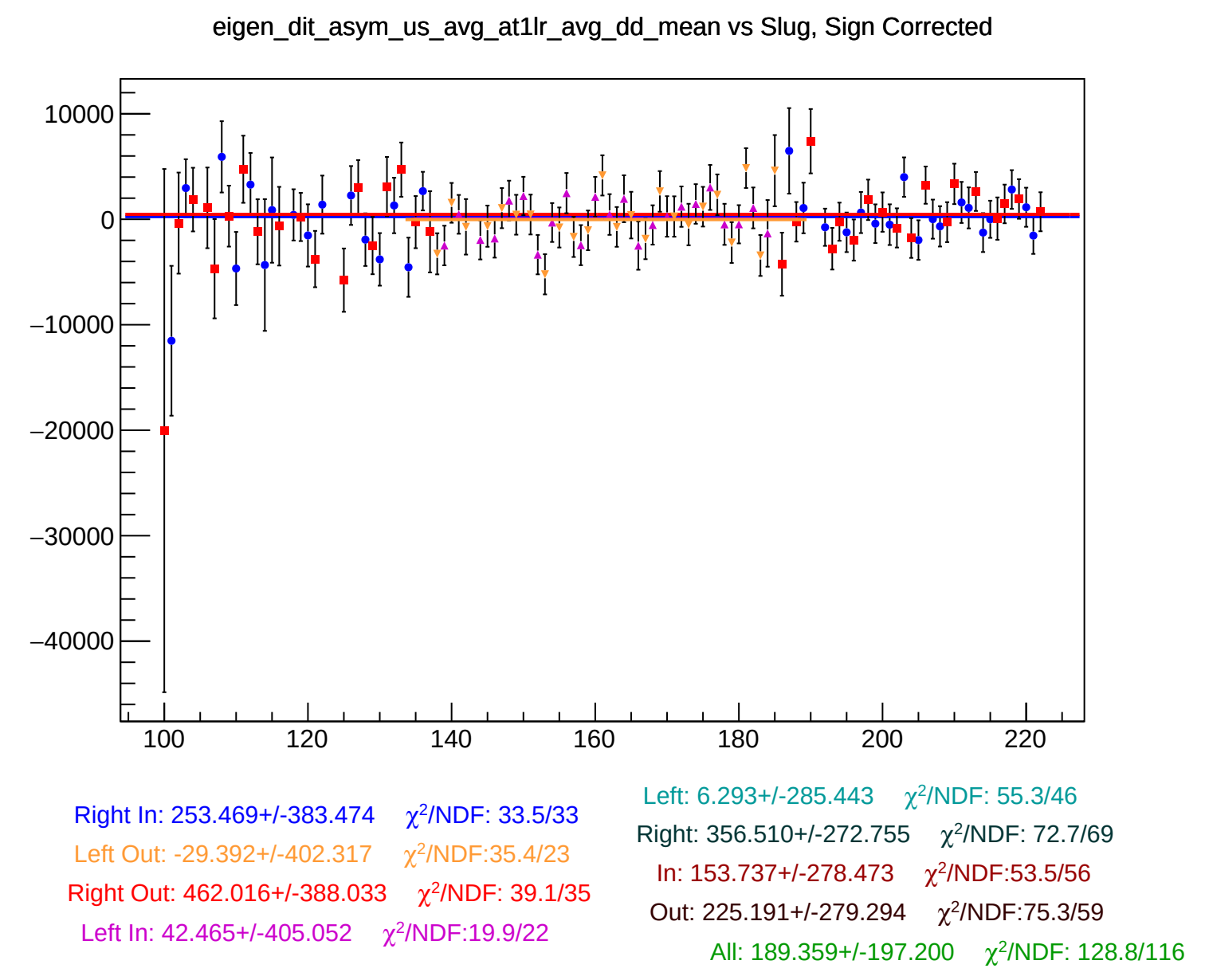
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

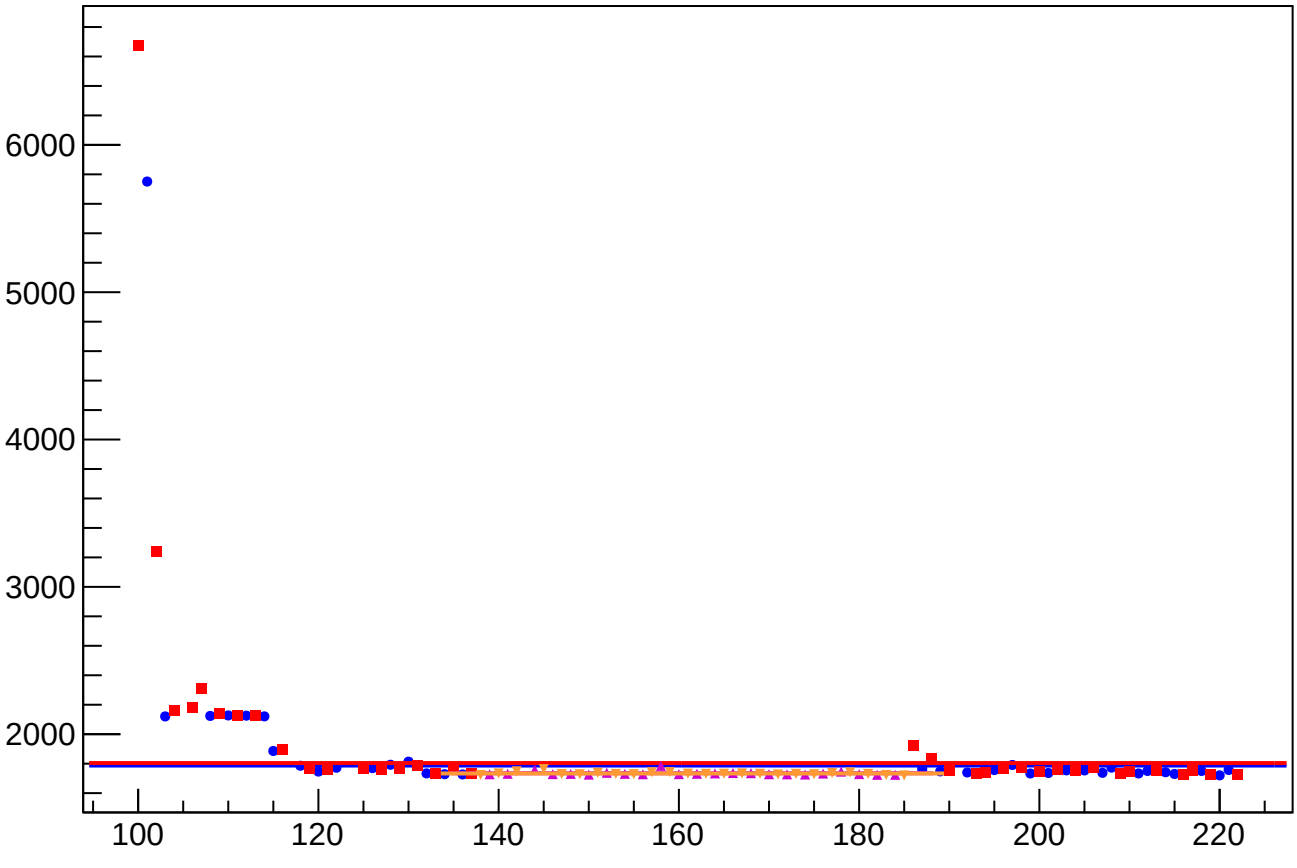
Right: 419.218+/-0.054 χ^2/NDF: 24735148.1/69

In: 430.236+/-0.058 χ^2/NDF:23833014.0/56

Out: 423.193+/-0.059 χ^2/NDF:26264655.6/59

All: 426.736+/-0.041 χ^2/NDF: 50104919.9/11


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 253.469+/-383.474 χ²/NDF: 33.5/33
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 462.016+/-388.033 χ²/NDF: 39.1/35
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 356.510+/-272.755 χ²/NDF: 72.7/69
In: 153.737+/-278.473 χ²/NDF:53.5/56
Out: 225.191+/-279.294 χ²/NDF:75.3/59
All: 189.359+/-197.200 χ²/NDF: 128.8/116



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: 1804.140+/-0.274 χ^2/NDF: 435420.9/35

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

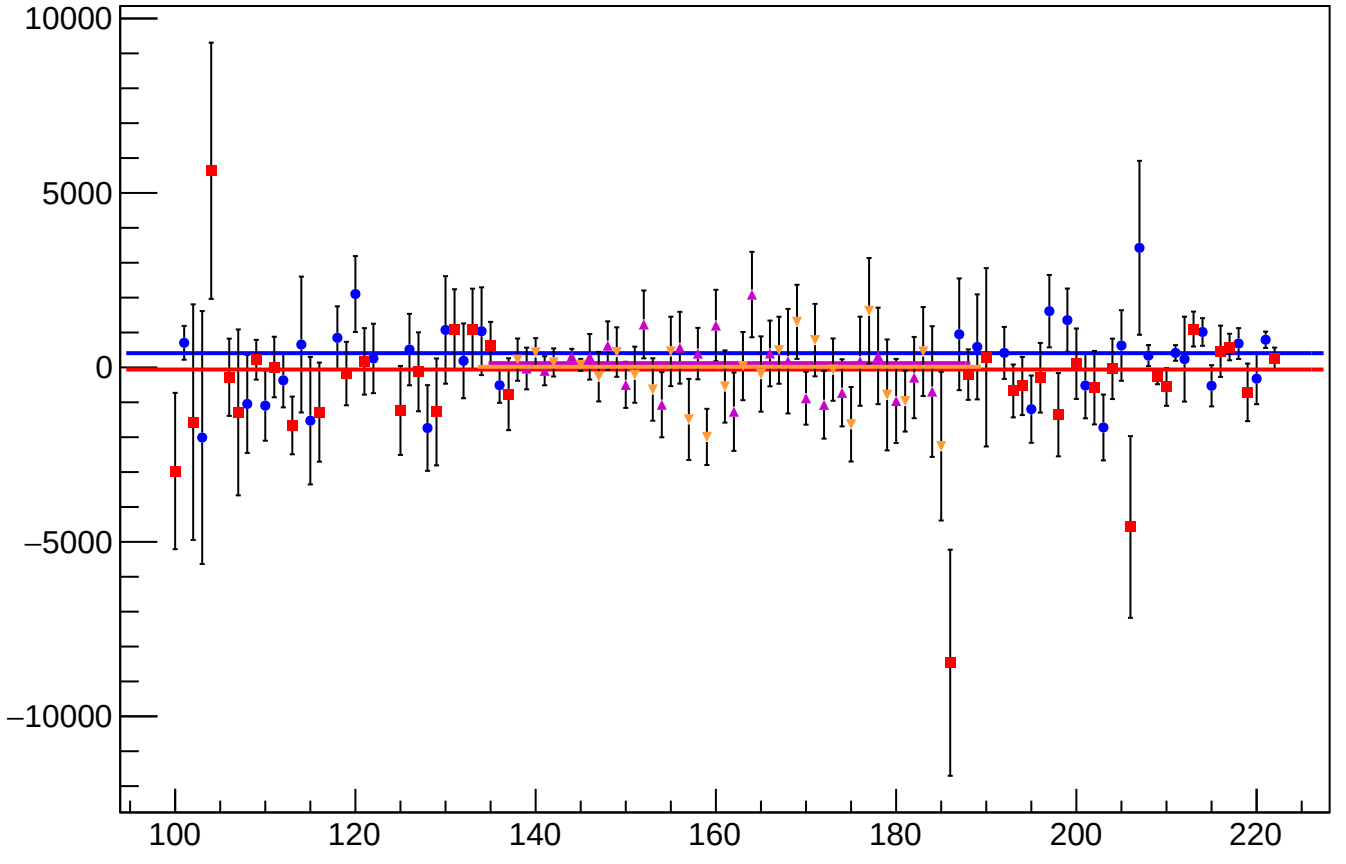
Right: 1795.634+/-0.193 χ^2/NDF: 1183465.6/69

In: 1762.504+/-0.197 χ^2/NDF:766049.9/56

Out: 1770.086+/-0.197 χ^2/NDF:468285.4/59

All: 1766.284+/-0.139 χ^2/NDF: 1235074.4/11

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: -60.166+/-115.434 χ^2/NDF: 38.7/35

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

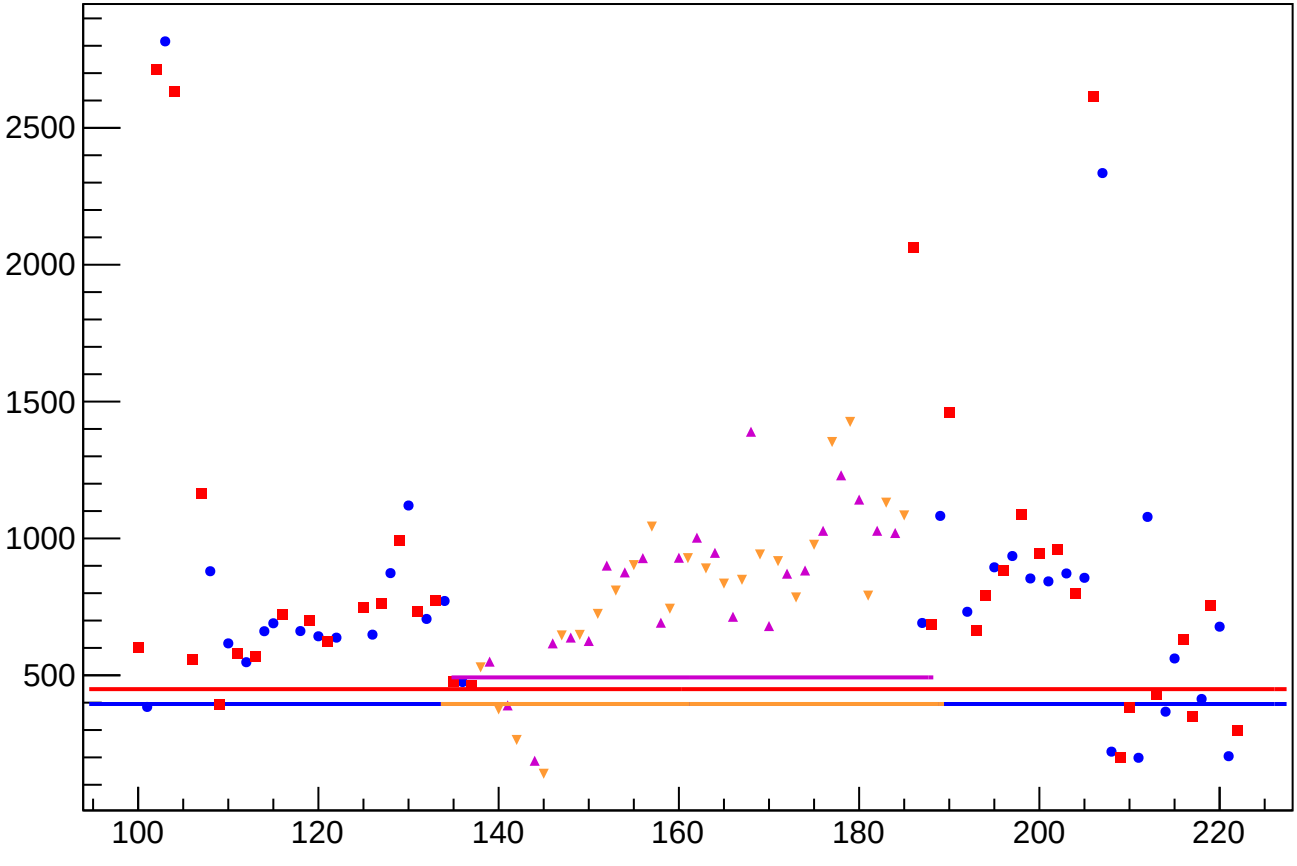
Right: 200.123+/-76.941 χ^2/NDF: 85.6/69

In: 304.619+/-82.468 χ^2/NDF:57.0/56

Out: -22.368+/-82.969 χ^2/NDF:58.4/59

All: 142.115+/-58.490 χ^2/NDF: 123.2/116

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 395.093+/-0.073 χ^2/NDF: 12772071.3/33

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 449.394+/-0.082 χ^2/NDF: 11717122.1/35

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

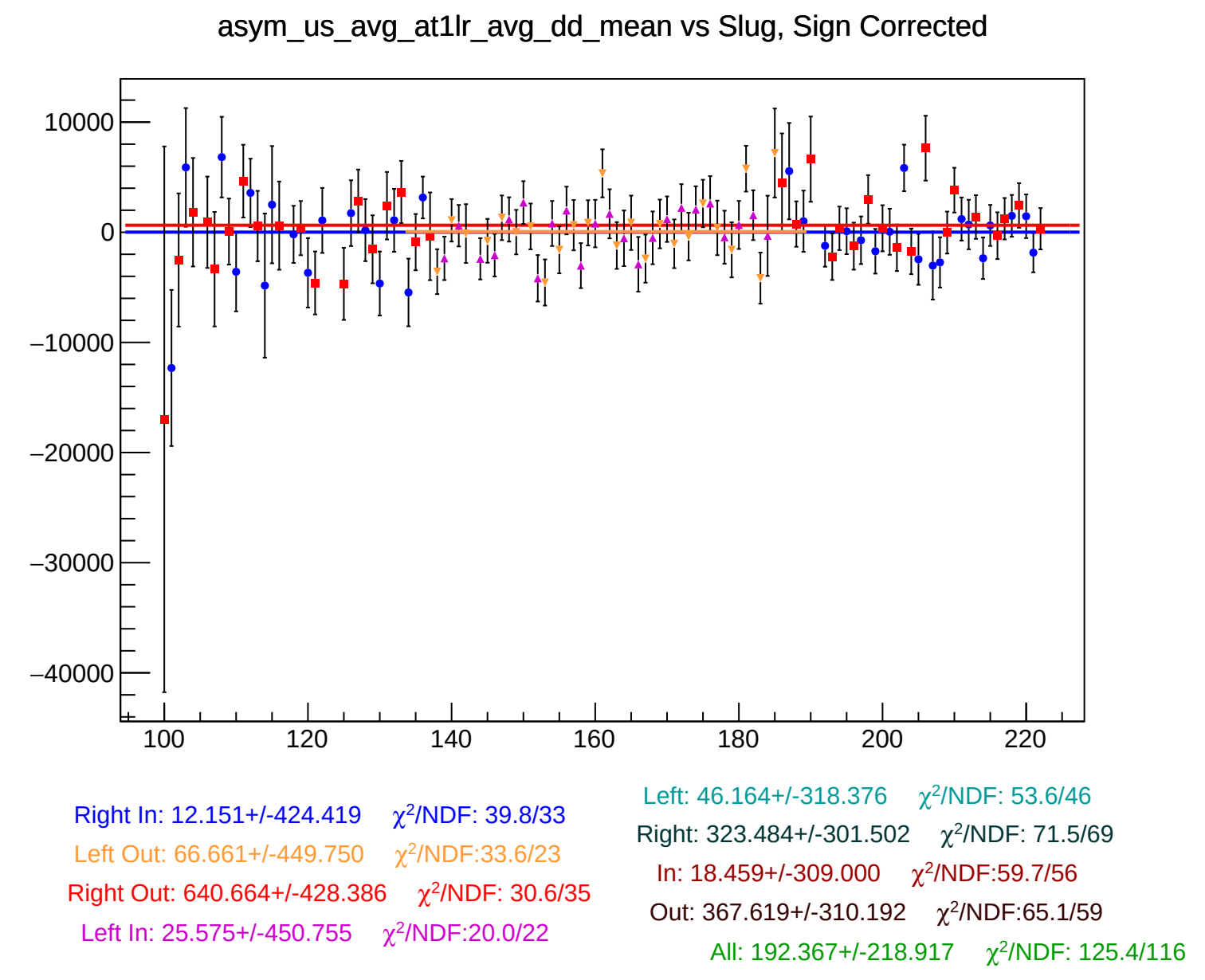
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

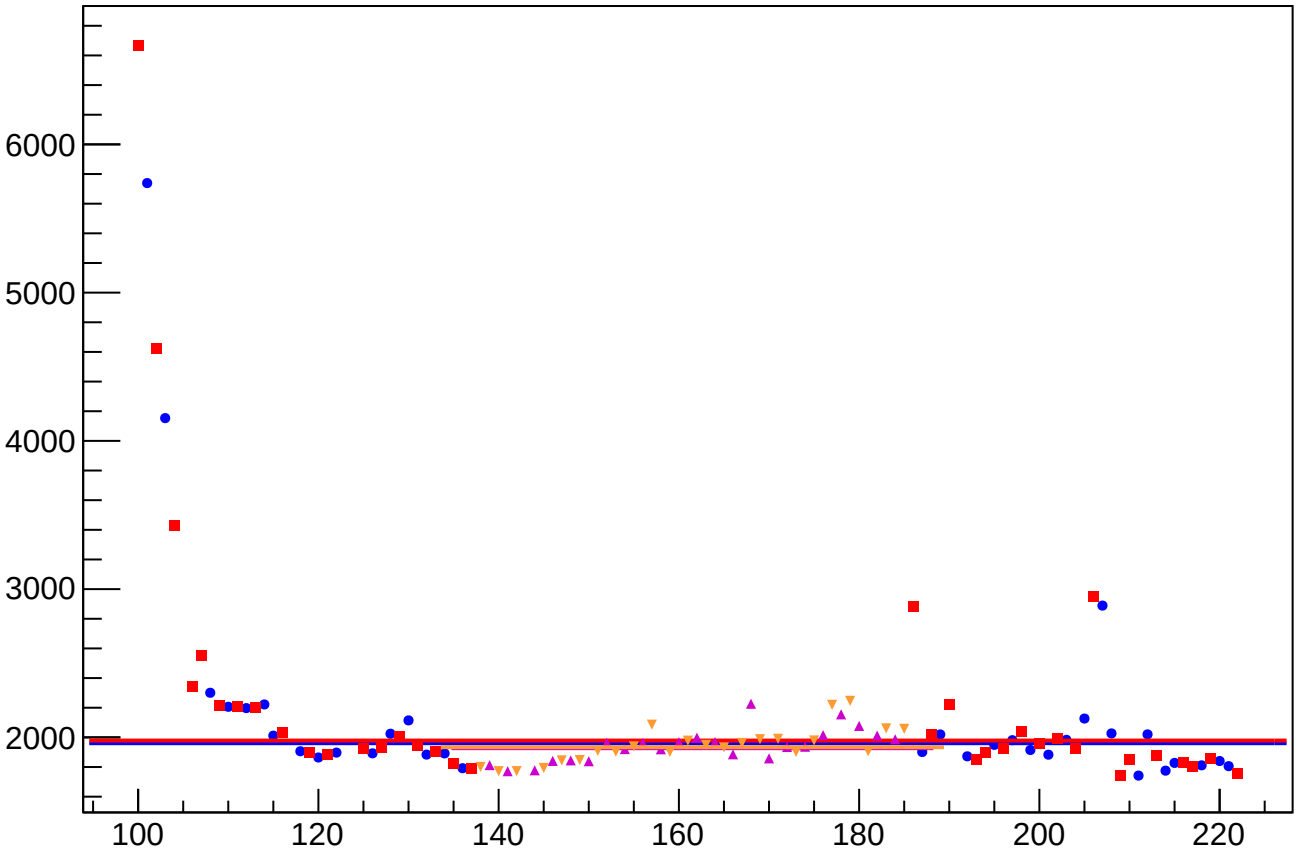
Right: 419.217+/-0.054 χ^2/NDF: 24735145.9/69

In: 430.237+/-0.058 χ^2/NDF:23832970.1/56

Out: 423.191+/-0.059 χ^2/NDF:26264774.2/59

All: 426.735+/-0.041 χ^2/NDF: 50104999.4/11


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: 12.151+/-424.419 χ²/NDF: 39.8/33
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 640.664+/-428.386 χ²/NDF: 30.6/35
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 323.484+/-301.502 χ²/NDF: 71.5/69
In: 18.459+/-309.000 χ²/NDF:59.7/56
Out: 367.619+/-310.192 χ²/NDF:65.1/59
All: 192.367+/-218.917 χ²/NDF: 125.4/116



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: 1978.421+/-0.303 χ^2/NDF: 1148848.9/35

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

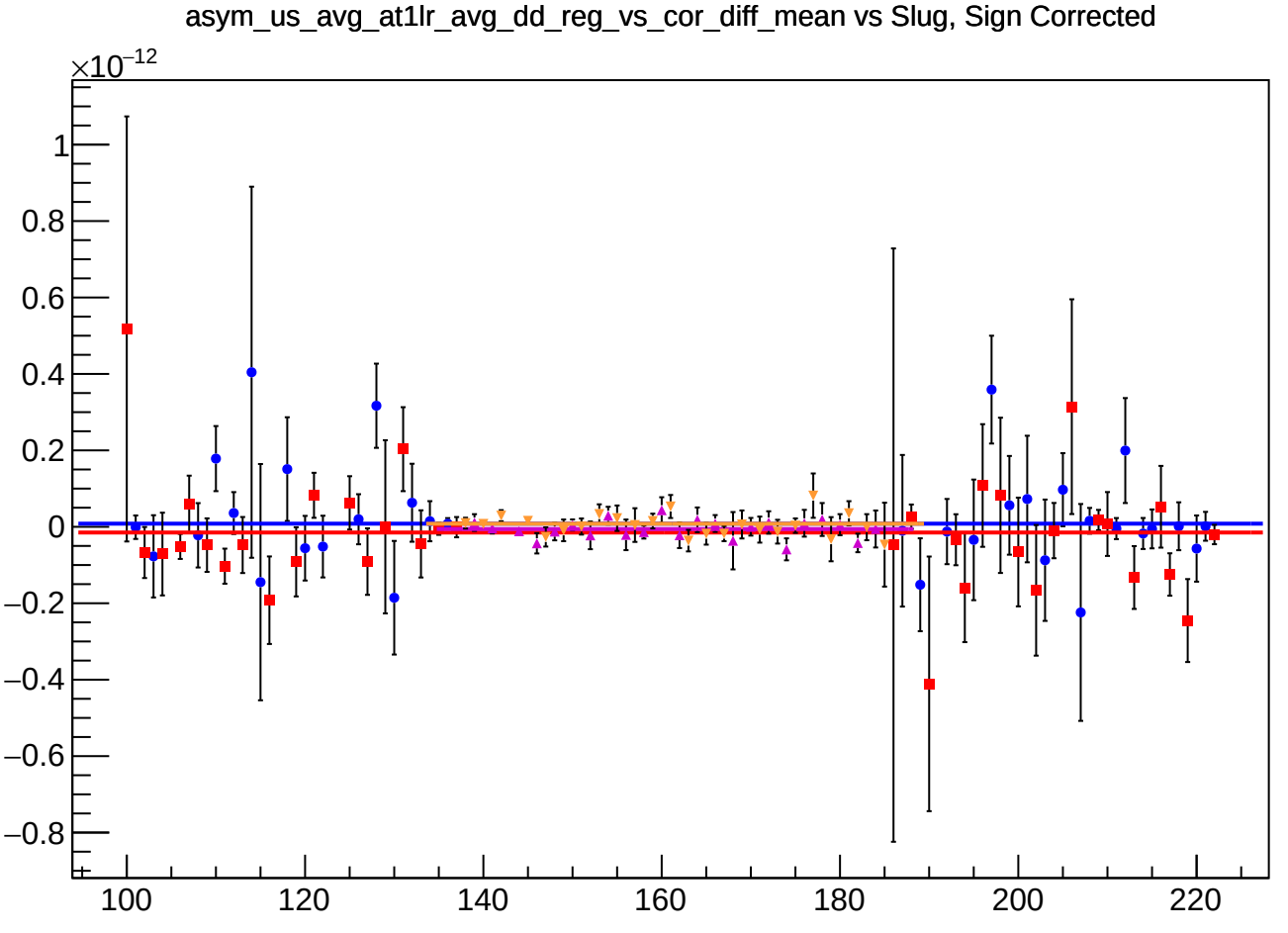
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 1969.531+/-0.213 χ^2/NDF: 2415100.4/69

In: 1944.978+/-0.218 χ^2/NDF:1386899.4/56

Out: 1957.198+/-0.219 χ^2/NDF:1287700.5/59

All: 1951.064+/-0.155 χ^2/NDF: 2676157.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

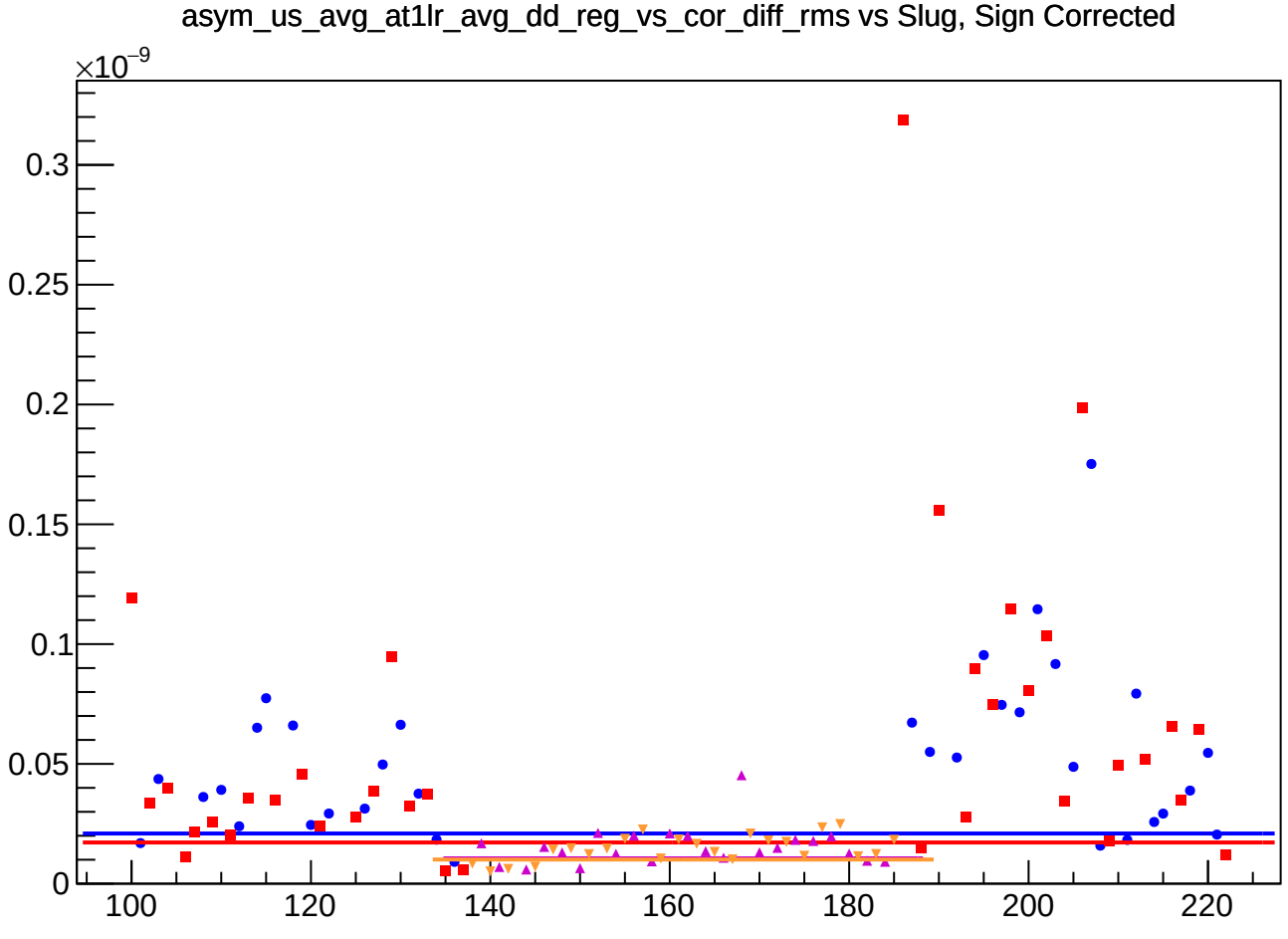
Left: 0.000+/-0.000 χ^2/NDF: 38.9/46

Right: -0.000+/-0.000 χ^2/NDF: 75.8/69

In: -0.000+/-0.000 χ^2/NDF:50.3/56

Out: 0.000+/-0.000 χ^2/NDF:63.8/59

All: 0.000+/-0.000 χ^2/NDF: 115.3/116



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: 8360527.0/35

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

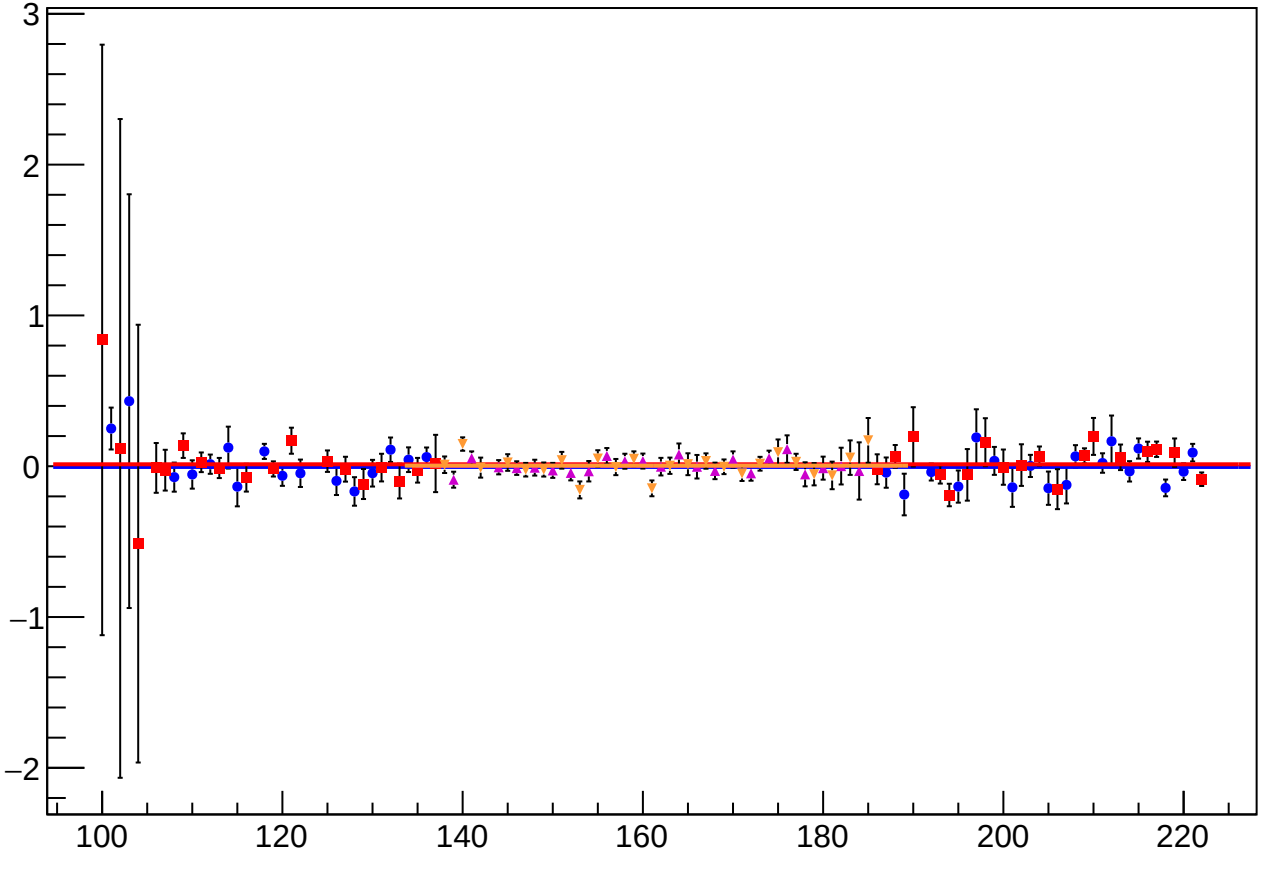
Right: 0.000+/-0.000 χ^2/NDF: 15214865.9/69

In: 0.000+/-0.000 χ^2/NDF:11364552.2/56

Out: 0.000+/-0.000 χ^2/NDF:11763202.1/59

All: 0.000+/-0.000 χ^2/NDF: 23202743.5/116

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: 0.013+/-0.014 χ^2/NDF: 38.9/35

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

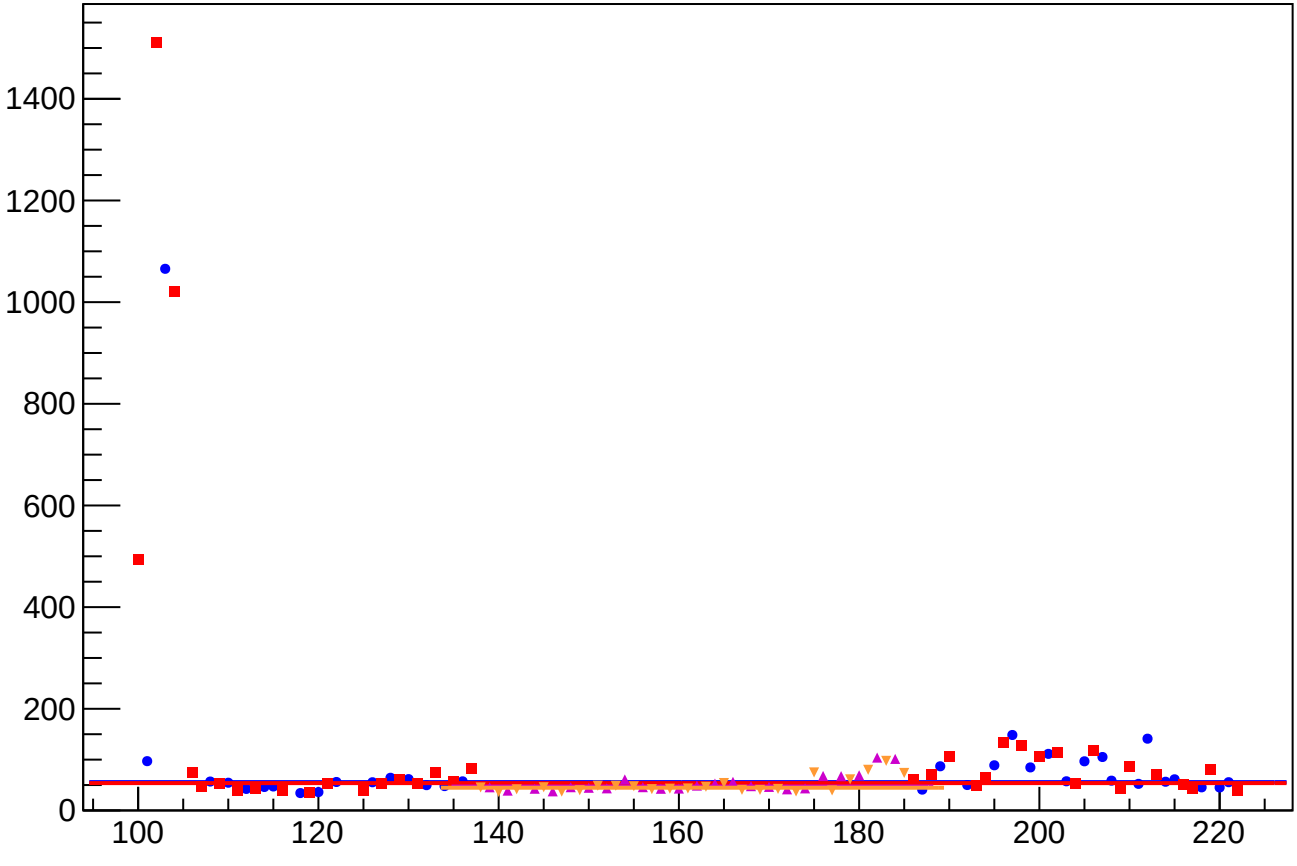
Right: 0.004+/-0.010 χ^2/NDF: 82.1/69

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.007+/-0.009 χ^2/NDF:74.2/59

All: 0.004+/-0.006 χ^2/NDF: 131.6/116

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.813+/-0.010 χ^2/NDF: 5775164.8/35

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

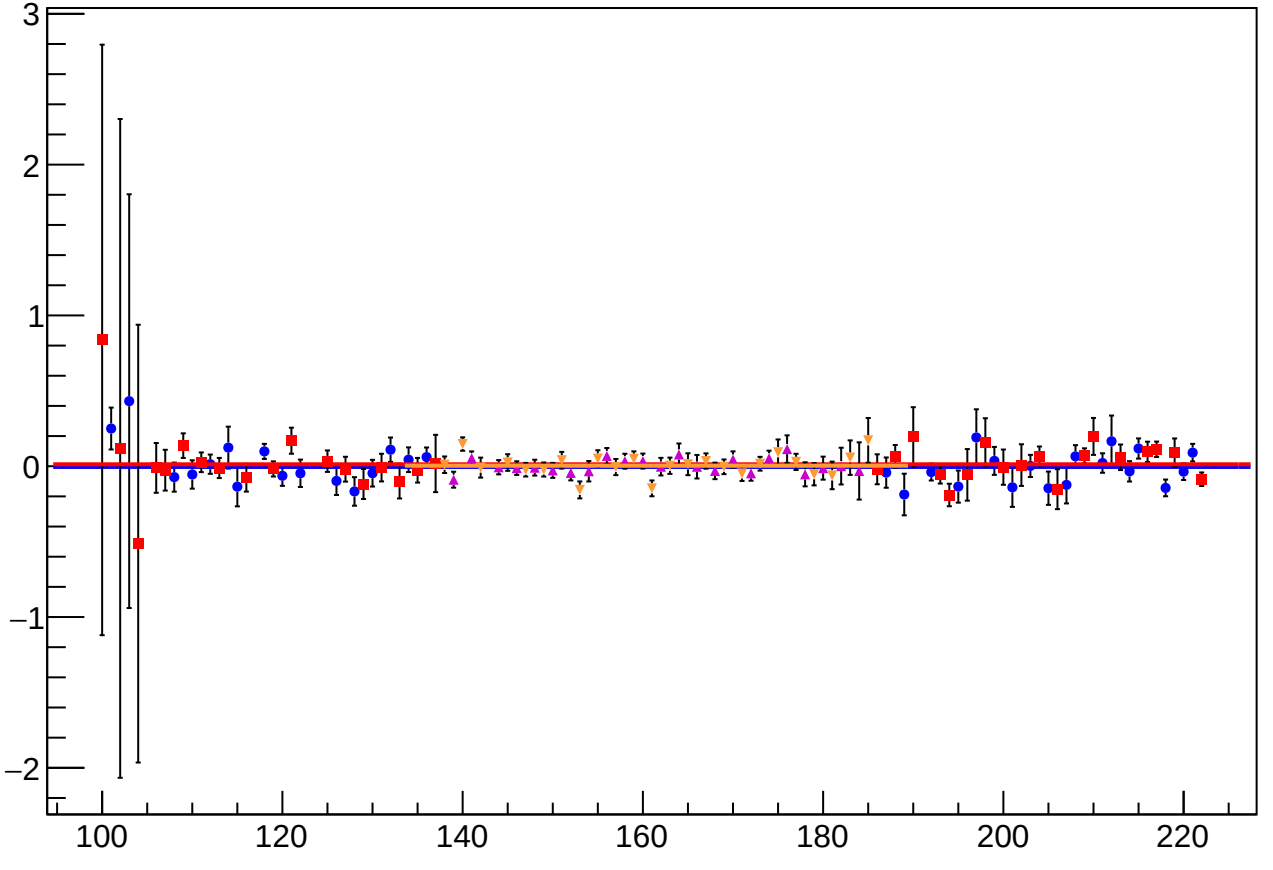
Right: 54.787+/-0.007 χ^2/NDF: 10439423.2/69

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.456+/-0.006 χ^2/NDF:7767188.3/59

All: 49.581+/-0.004 χ^2/NDF: 14317400.7/116

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: 0.013+/-0.014 χ^2/NDF: 38.9/35

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

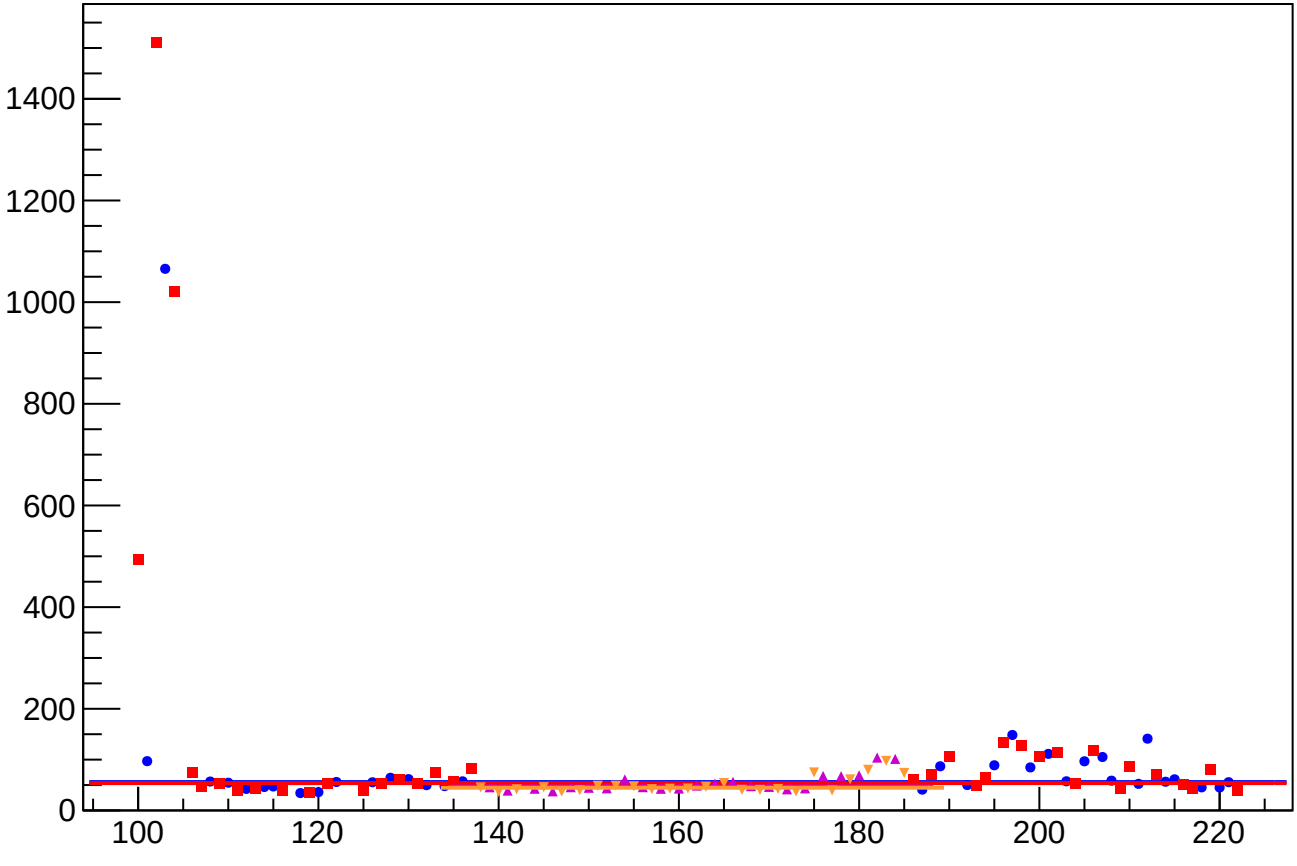
Right: 0.004+/-0.010 χ^2/NDF: 82.1/69

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.007+/-0.009 χ^2/NDF:74.2/59

All: 0.004+/-0.006 χ^2/NDF: 131.6/116

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.813+/-0.010 χ^2/NDF: 5775164.8/35

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

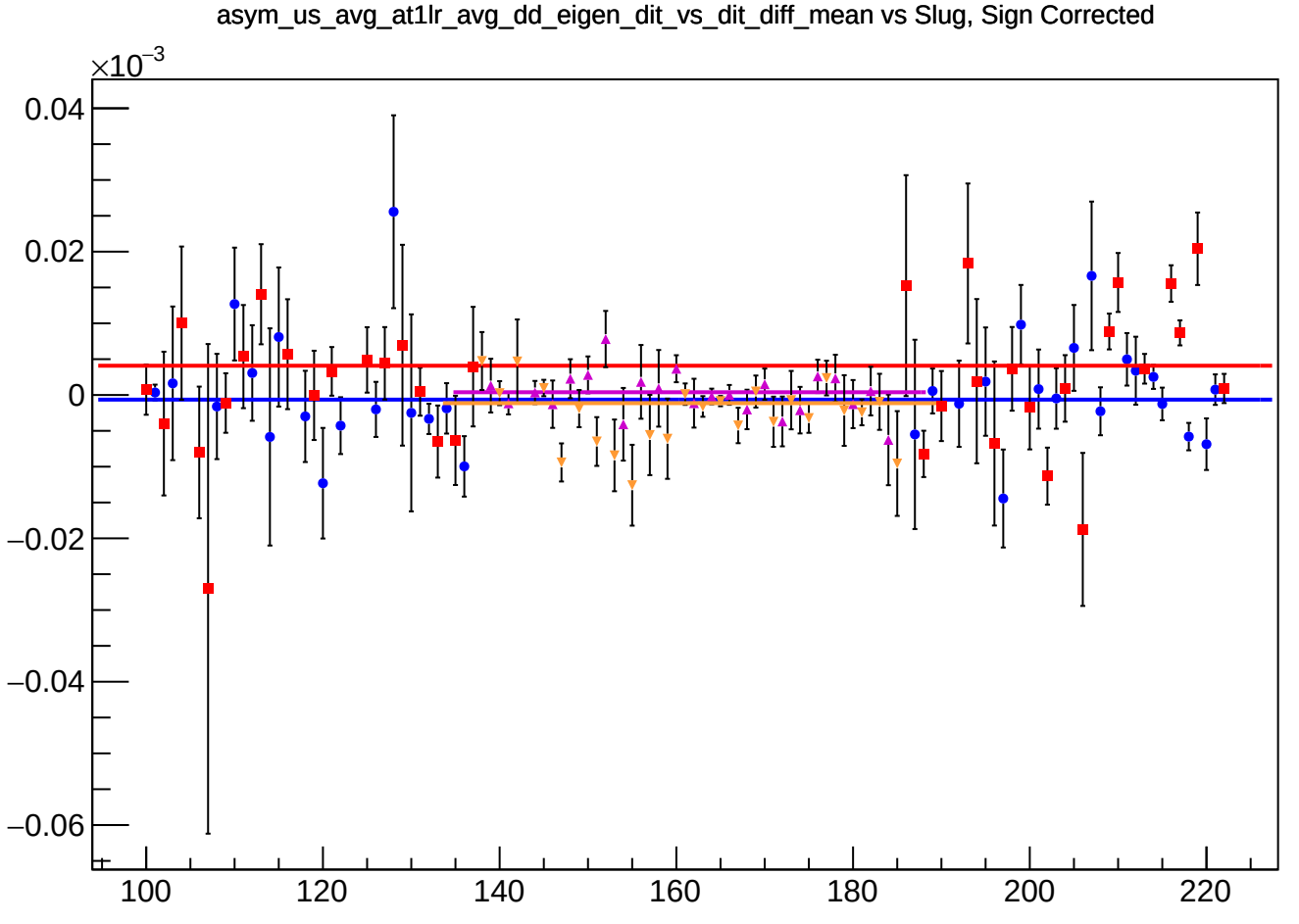
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 54.787+/-0.007 χ^2/NDF: 10439423.2/69

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.456+/-0.006 χ^2/NDF:7767188.3/59

All: 49.581+/-0.004 χ^2/NDF: 14317400.7/116



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: 108.7/35

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

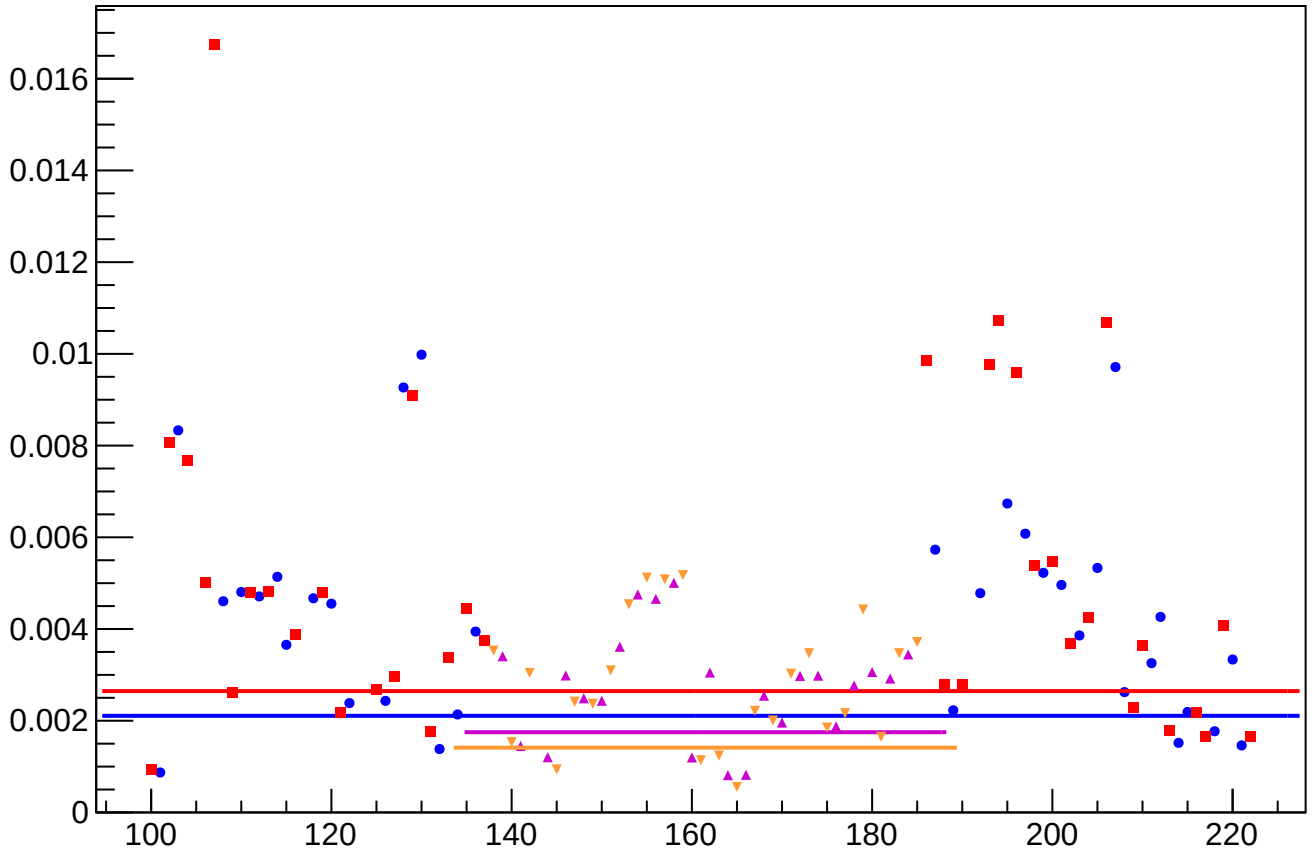
Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

Right: 0.000+/-0.000 χ^2/NDF: 186.0/69

In: -0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:187.6/59

All: 0.000+/-0.000 χ^2/NDF: 255.0/116



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: 10715670.4/35

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

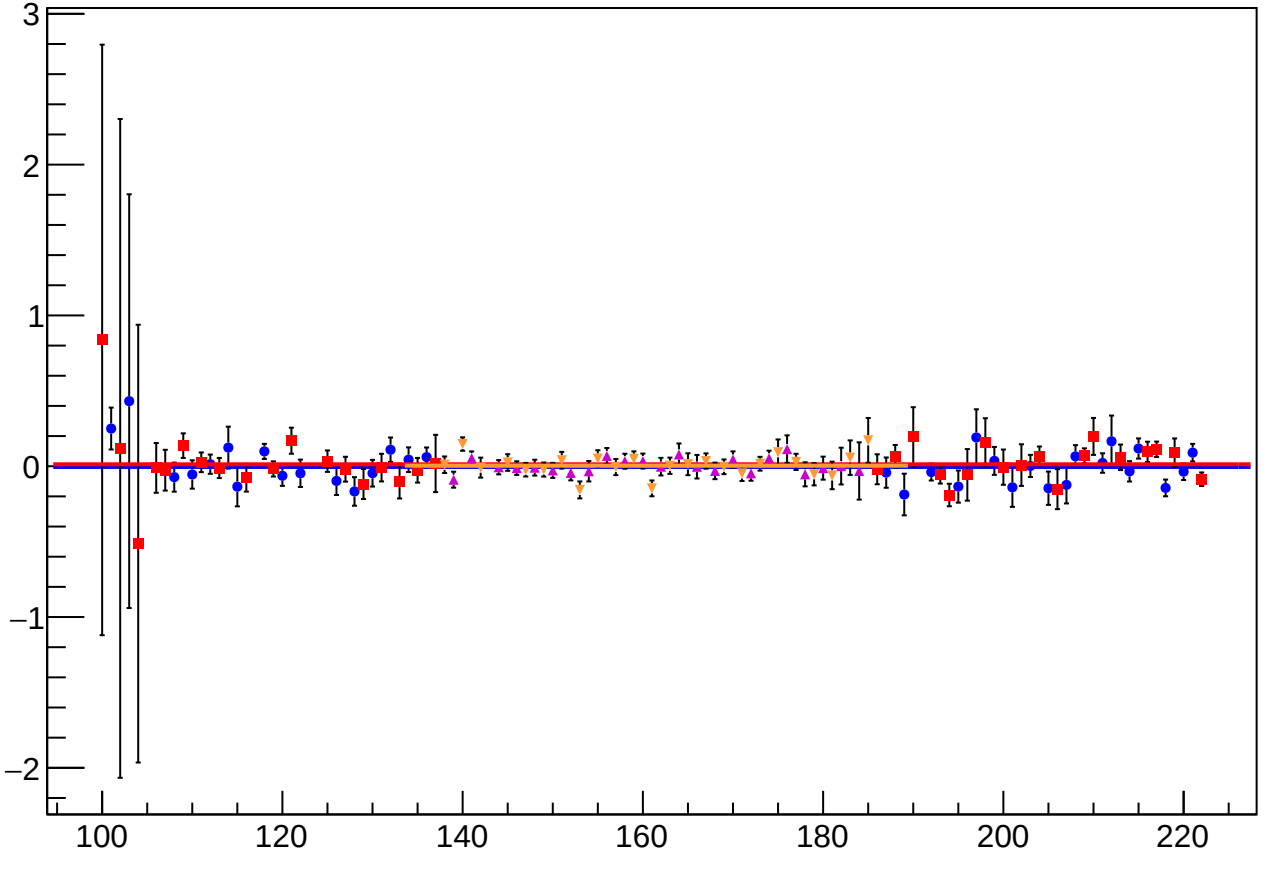
Right: 0.002+/-0.000 χ^2/NDF: 24480143.5/69

In: 0.002+/-0.000 χ^2/NDF:21717502.3/56

Out: 0.002+/-0.000 χ^2/NDF:27121799.4/59

All: 0.002+/-0.000 χ^2/NDF: 49040403.9/116

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: 0.013+/-0.014 χ^2/NDF: 38.9/35

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

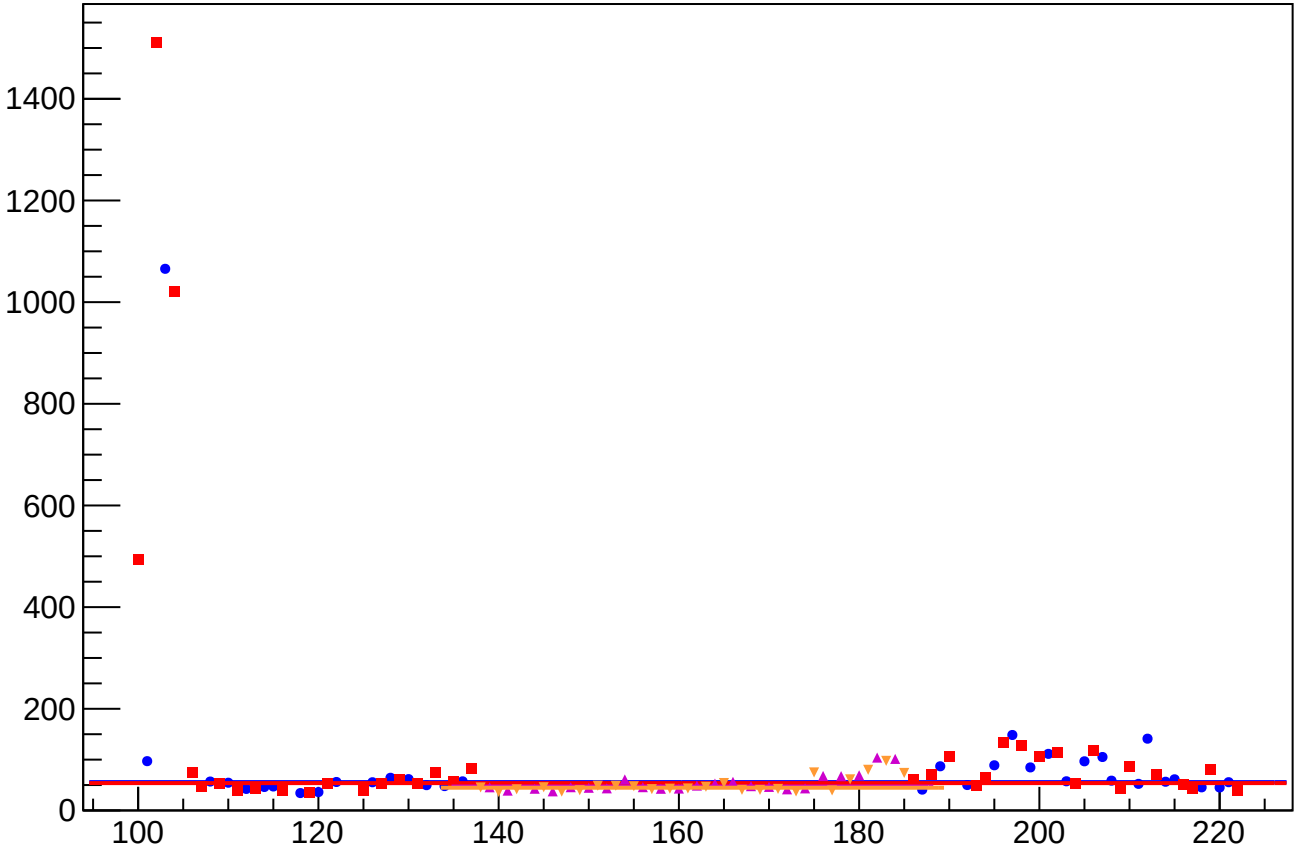
Right: 0.004+/-0.010 χ^2/NDF: 82.1/69

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.007+/-0.009 χ^2/NDF:74.2/59

All: 0.004+/-0.006 χ^2/NDF: 131.6/116

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.812+/-0.010 χ^2/NDF: 5775301.1/35

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

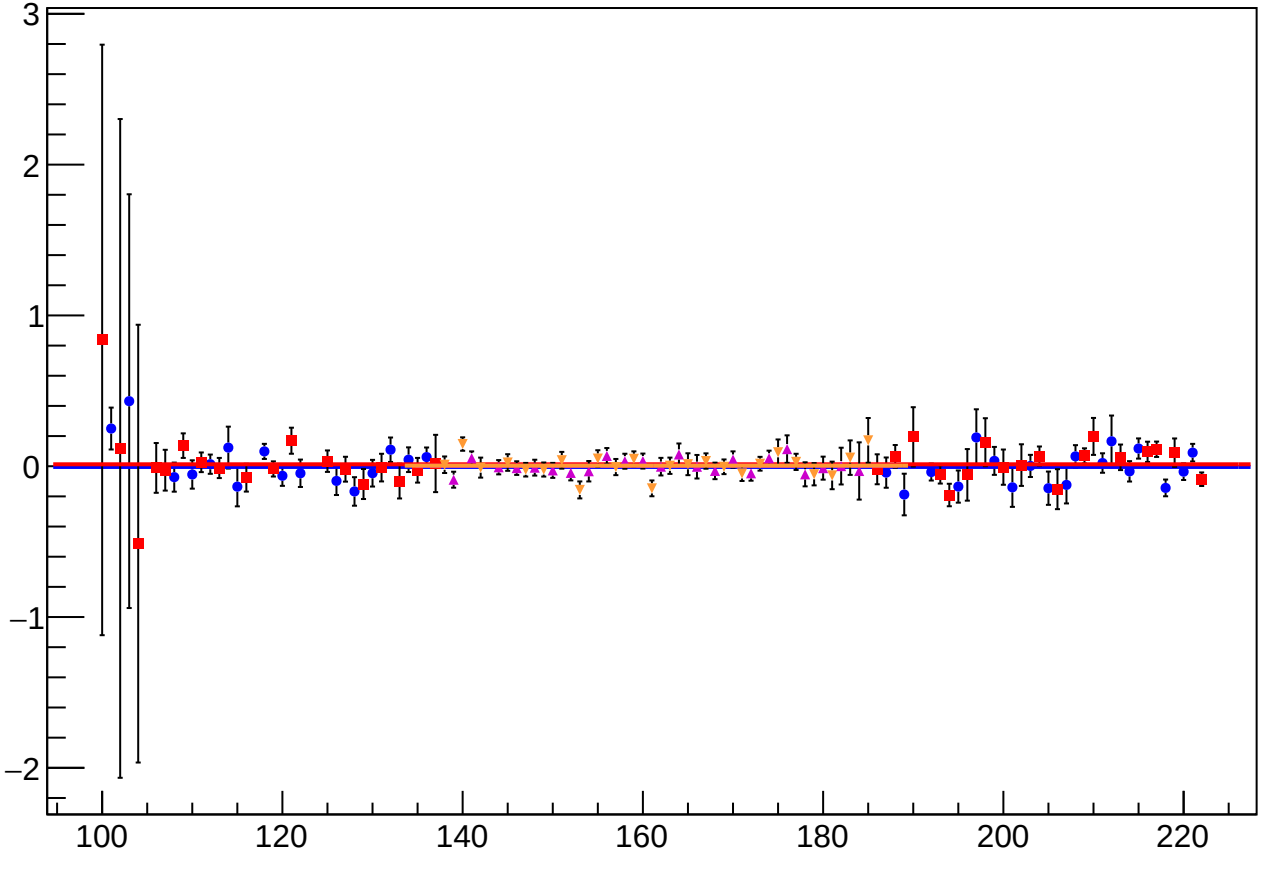
Right: 54.786+/-0.007 χ^2/NDF: 10439682.7/69

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.455+/-0.006 χ^2/NDF:7767216.0/59

All: 49.581+/-0.004 χ^2/NDF: 14317571.2/116

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: 0.013+/-0.014 χ^2/NDF: 38.9/35

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

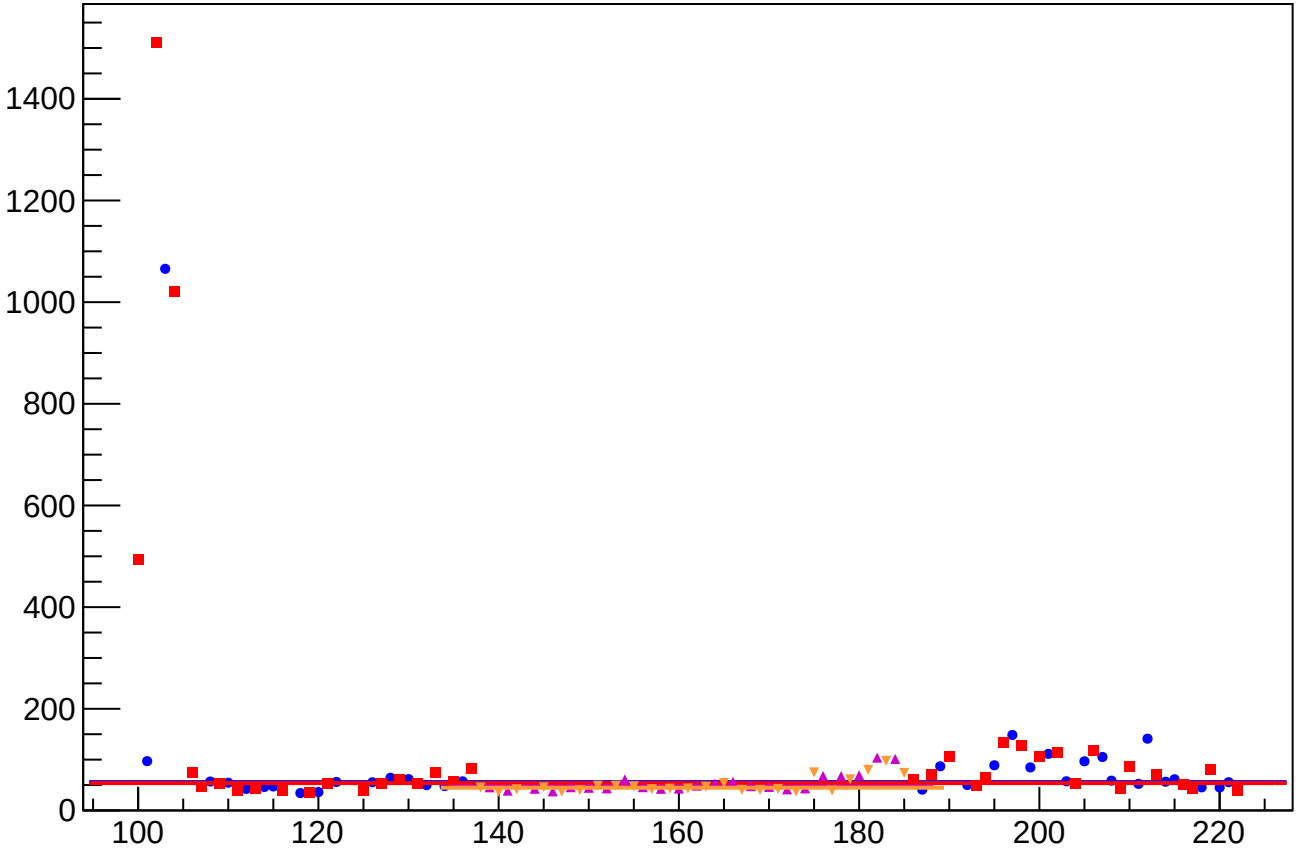
Right: 0.004+/-0.010 χ^2/NDF: 82.1/69

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.007+/-0.009 χ^2/NDF:74.2/59

All: 0.004+/-0.006 χ^2/NDF: 131.6/116

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.812+/-0.010 χ^2/NDF: 5775301.1/35

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

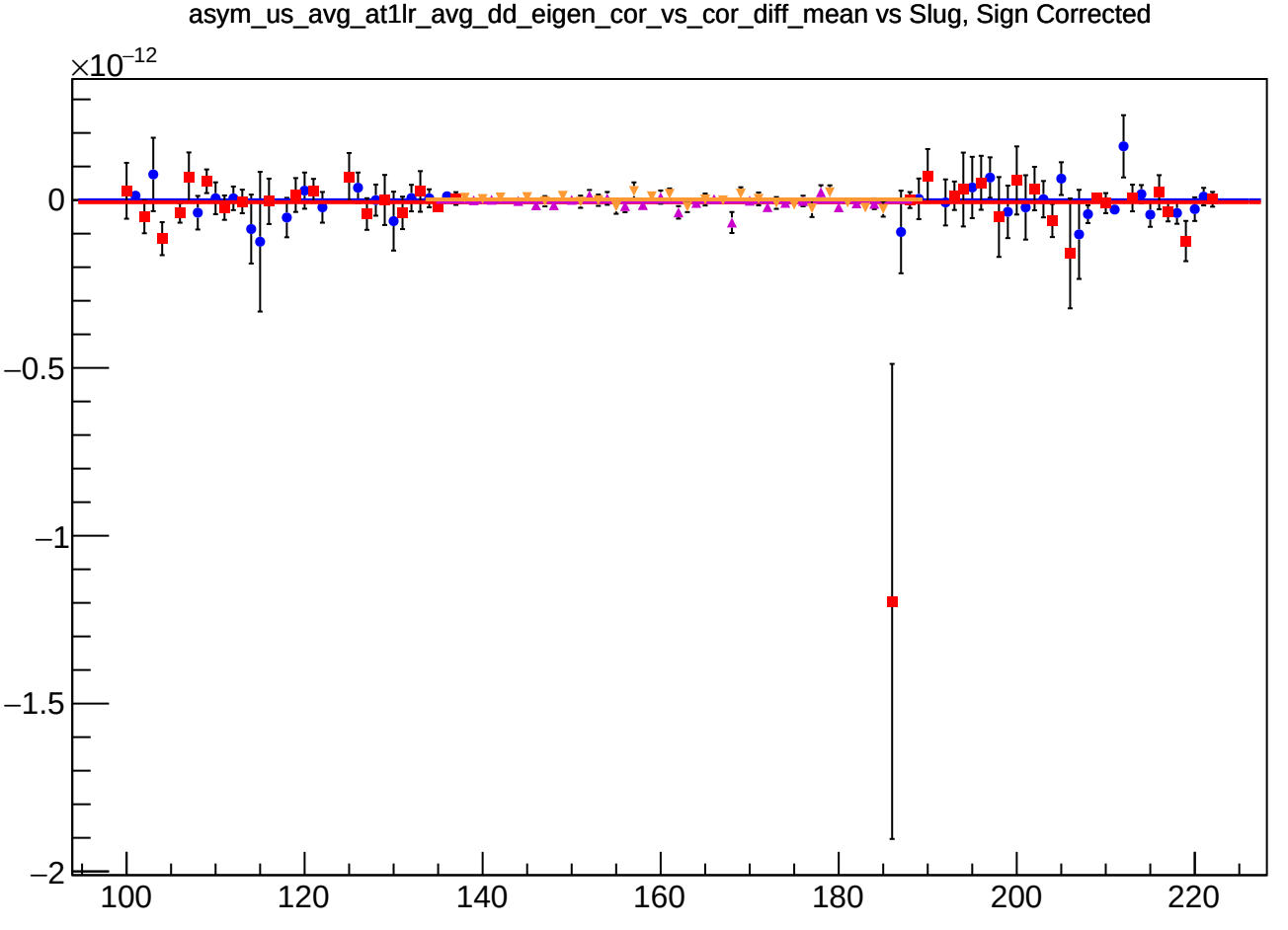
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 54.786+/-0.007 χ^2/NDF: 10439682.7/69

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.455+/-0.006 χ^2/NDF:7767216.0/59

All: 49.581+/-0.004 χ^2/NDF: 14317571.2/116



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: 30.9/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

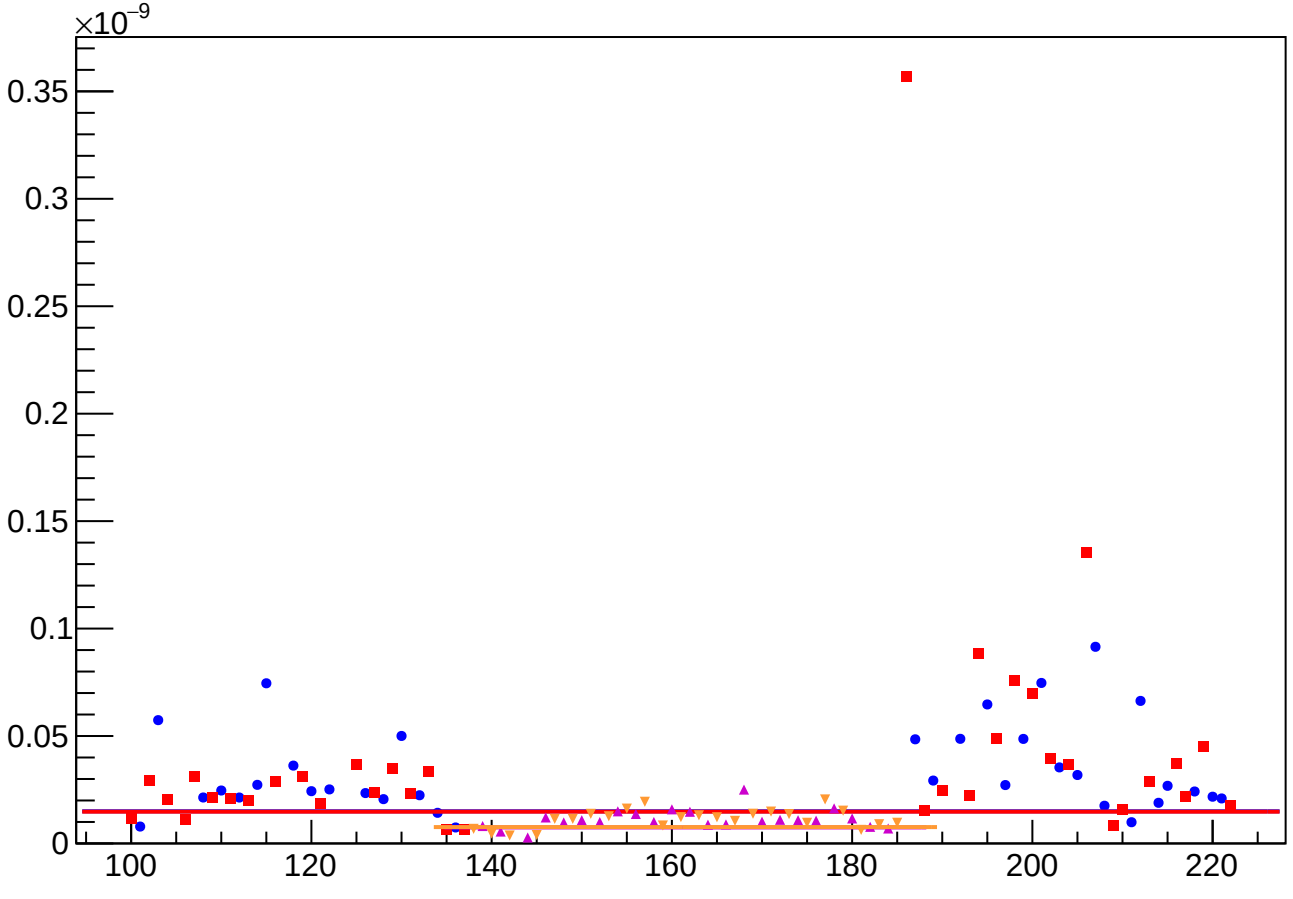
Right: -0.000+/-0.000 χ^2/NDF: 56.6/69

In: -0.000+/-0.000 χ^2/NDF:43.7/56

Out: 0.000+/-0.000 χ^2/NDF:53.4/59

All: -0.000+/-0.000 χ^2/NDF: 99.5/116

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9703116.2/35

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

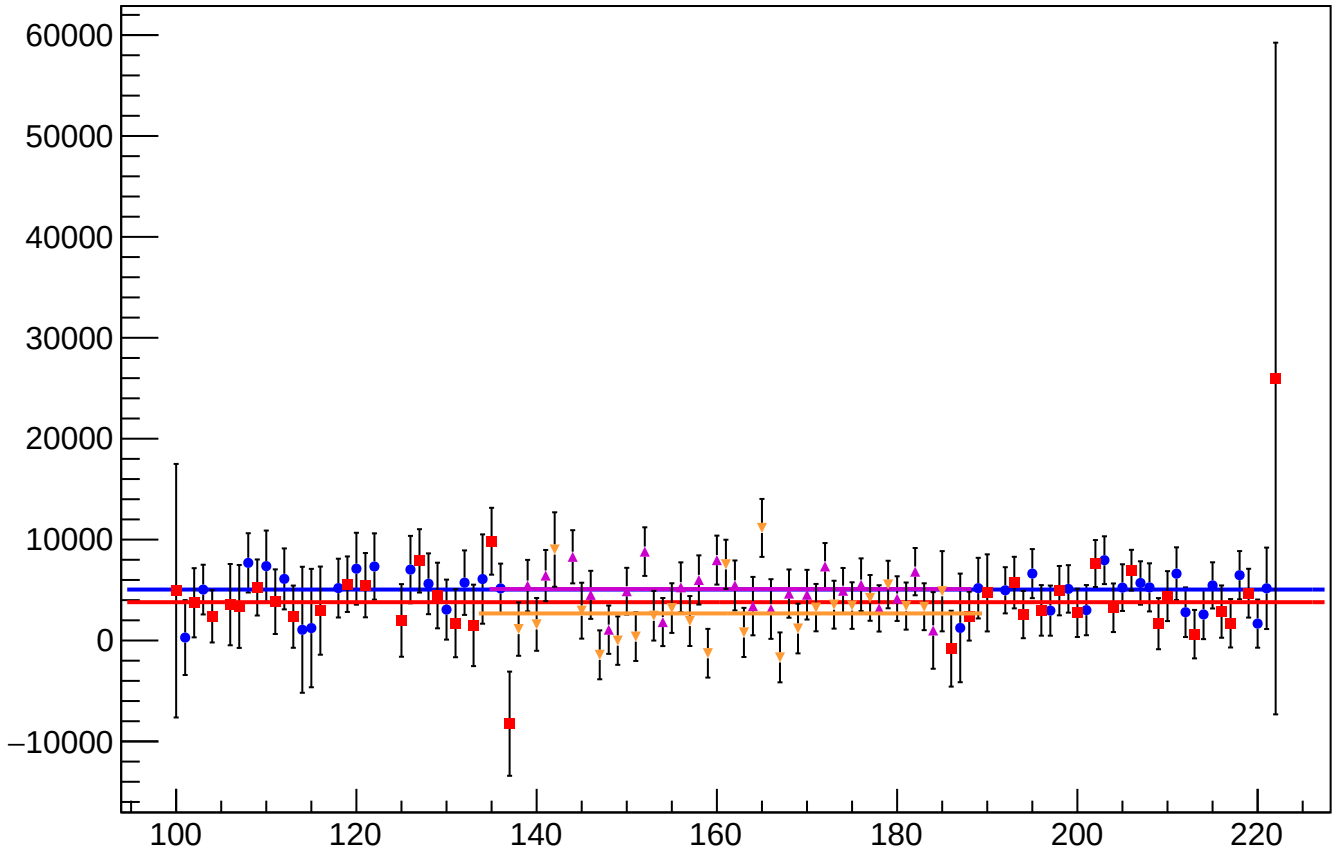
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18349854.6/69

In: 0.000+/-0.000 χ^2/NDF:18029328.0/56

Out: 0.000+/-0.000 χ^2/NDF:18324931.8/59

All: 0.000+/-0.000 χ^2/NDF: 36356155.9/116



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: 3797.243+/-484.283 χ^2/NDF: 25.5/35

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

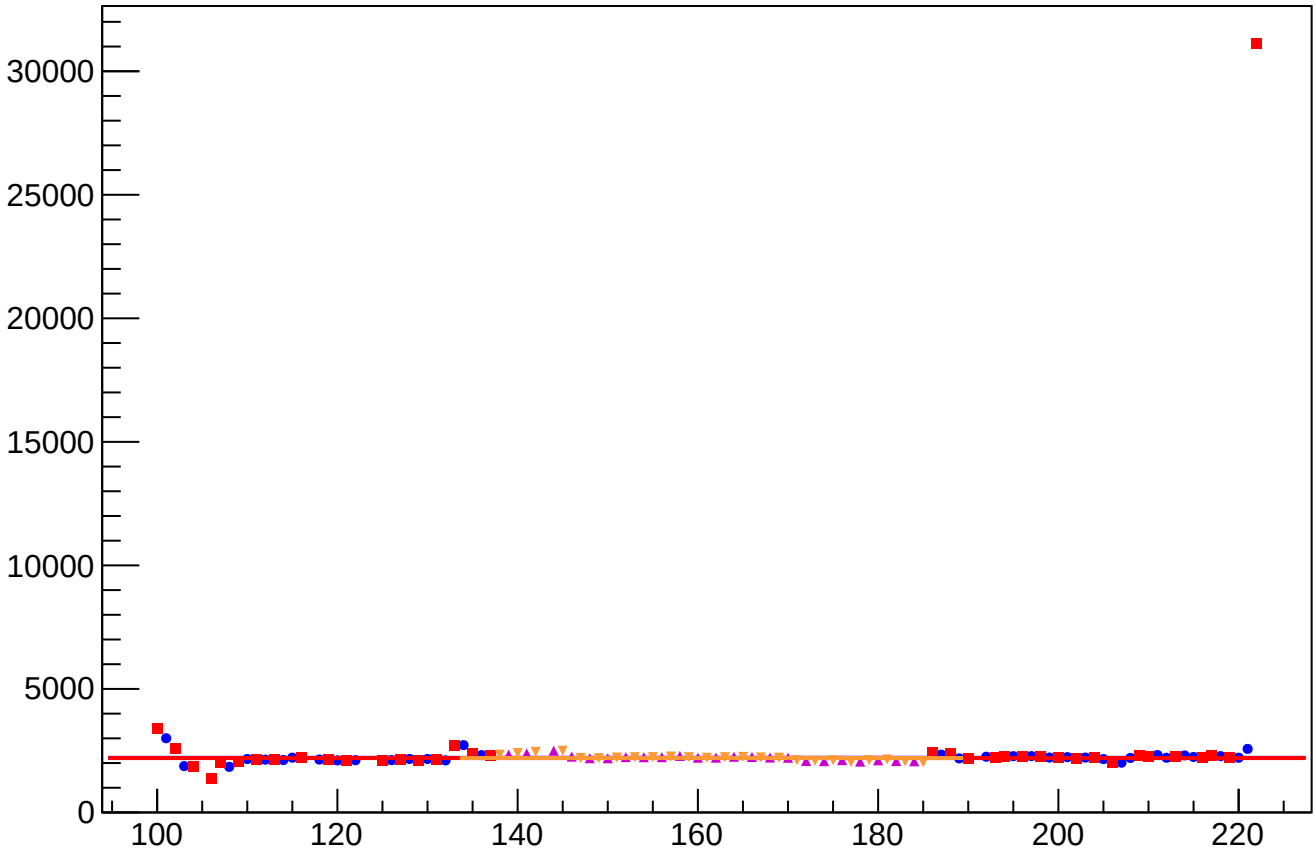
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4430.502+/-340.443 χ^2/NDF: 43.0/69

In: 5071.036+/-351.005 χ^2/NDF:29.1/56

Out: 3271.057+/-351.837 χ^2/NDF:58.8/59

All: 4173.176+/-248.492 χ^2/NDF: 101.0/116



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: 2201.211+/-0.340 χ^2/NDF: 1851508.5/35

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

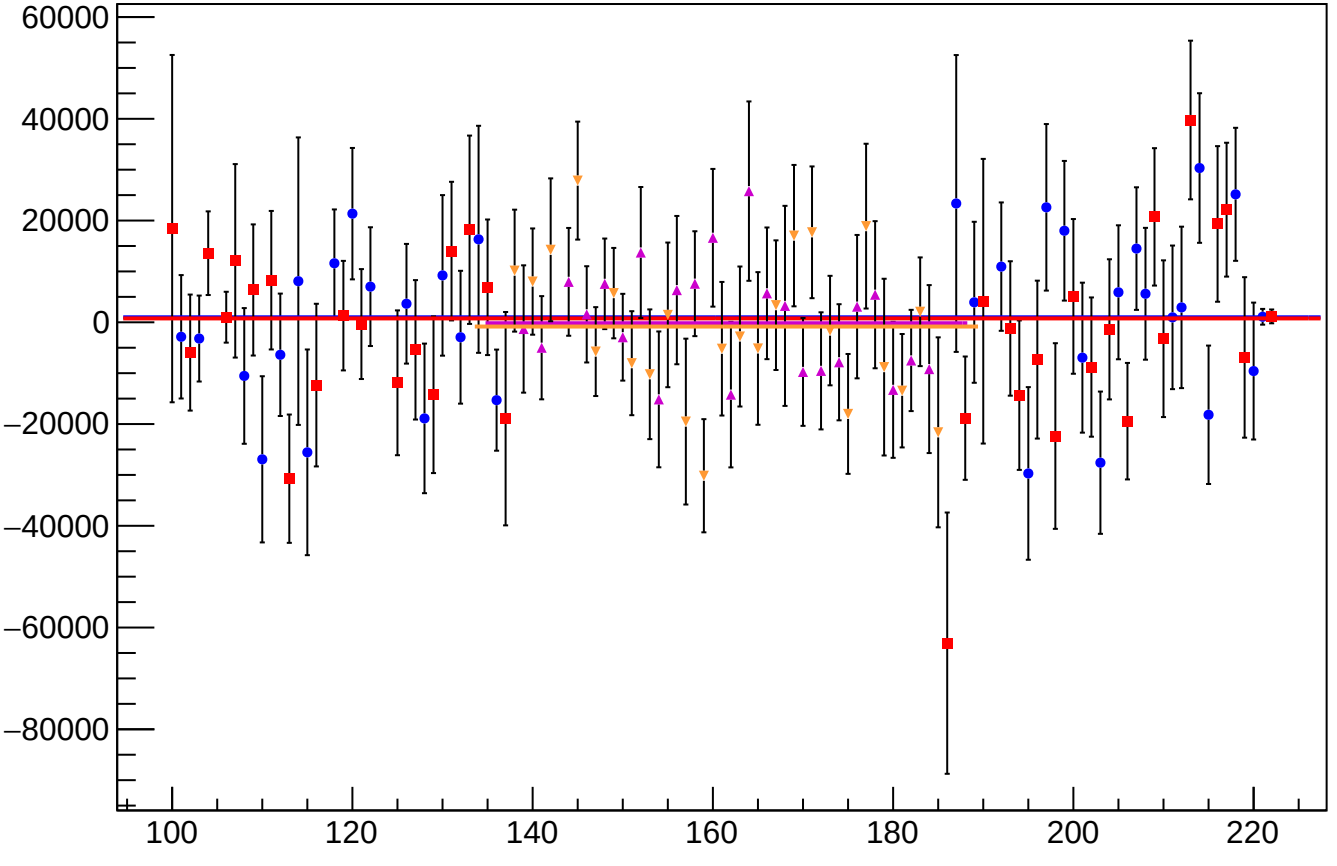
Right: 2205.973+/-0.240 χ^2/NDF: 2101034.5/69

In: 2209.616+/-0.248 χ^2/NDF:330152.7/56

Out: 2202.190+/-0.248 χ^2/NDF:1939734.4/59

All: 2205.900+/-0.175 χ^2/NDF: 2270335.0/11

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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: 763.848+/-1151.355 χ^2/NDF: 44.1/35

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

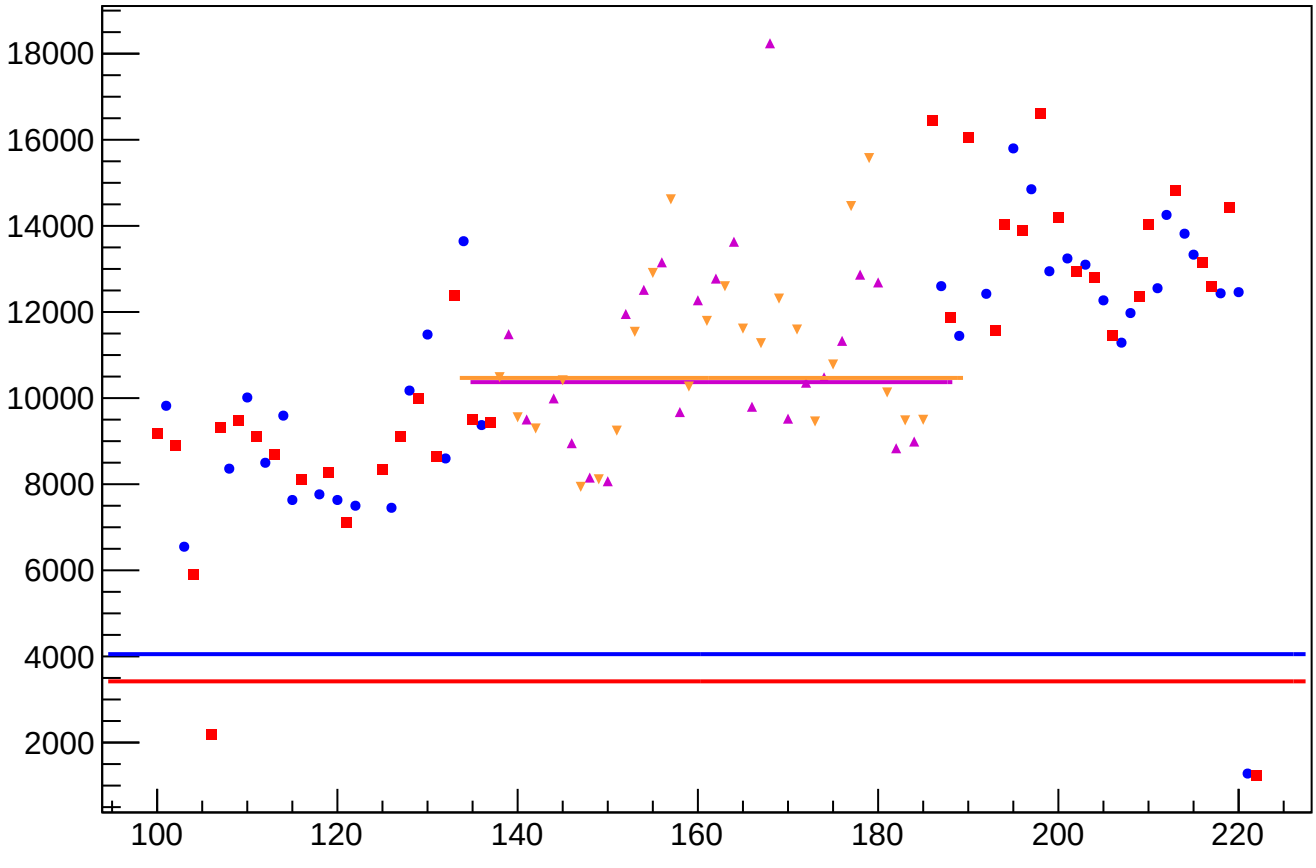
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: 861.110+/-860.290 χ^2/NDF: 83.3/69

In: 732.906+/-1146.660 χ^2/NDF:53.1/56

Out: 480.891+/-1044.411 χ^2/NDF:73.9/59

All: 595.163+/-772.133 χ^2/NDF: 127.0/116



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: 3421.124+/-0.814 χ^2/NDF: 25643113.8/35

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

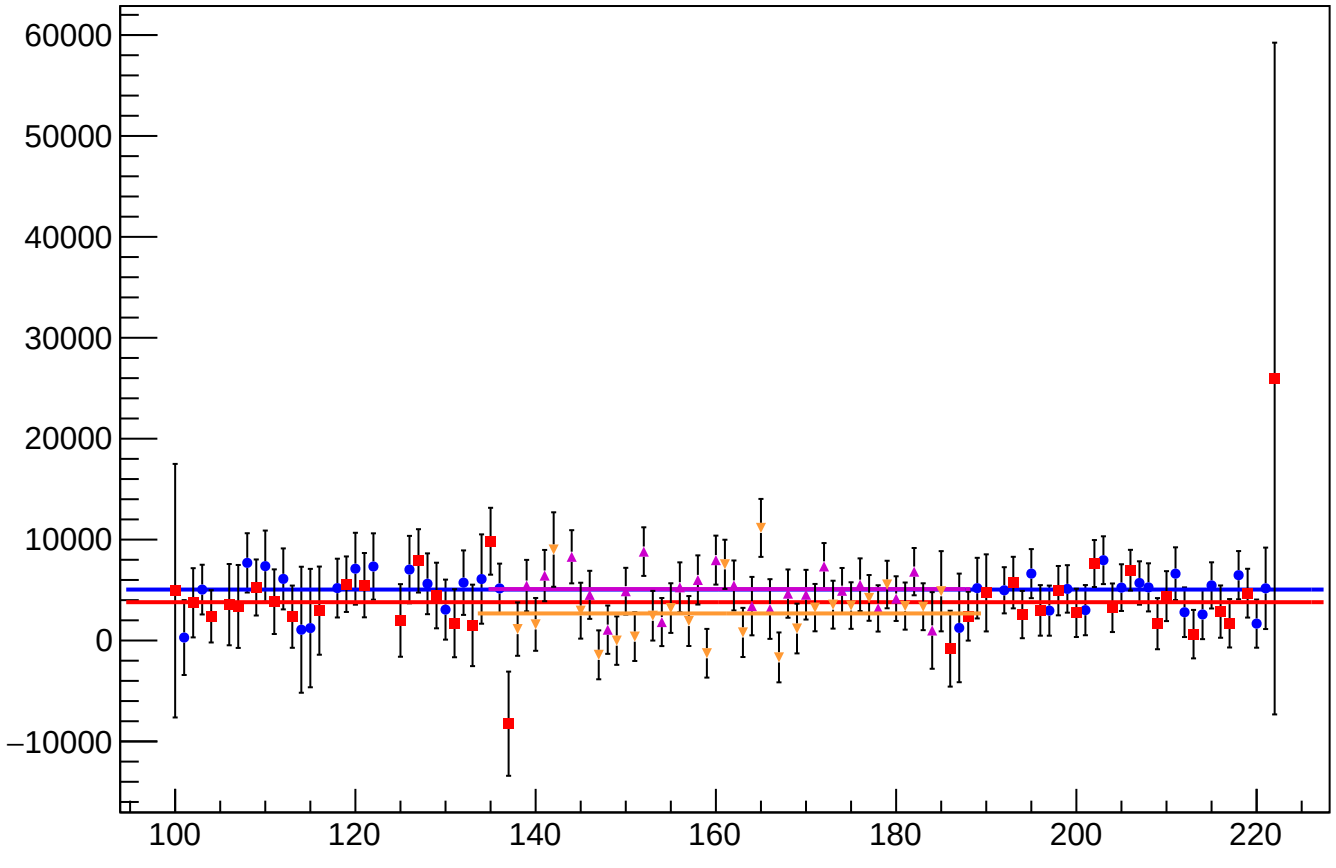
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 3700.153+/-0.608 χ^2/NDF: 49543822.9/69

In: 5413.127+/-0.811 χ^2/NDF:35096823.5/56

Out: 4669.552+/-0.739 χ^2/NDF:39962719.5/59

All: 5006.715+/-0.546 χ^2/NDF: 75519219.2/1



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: 3797.201+/-484.283 χ^2/NDF: 25.5/35

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

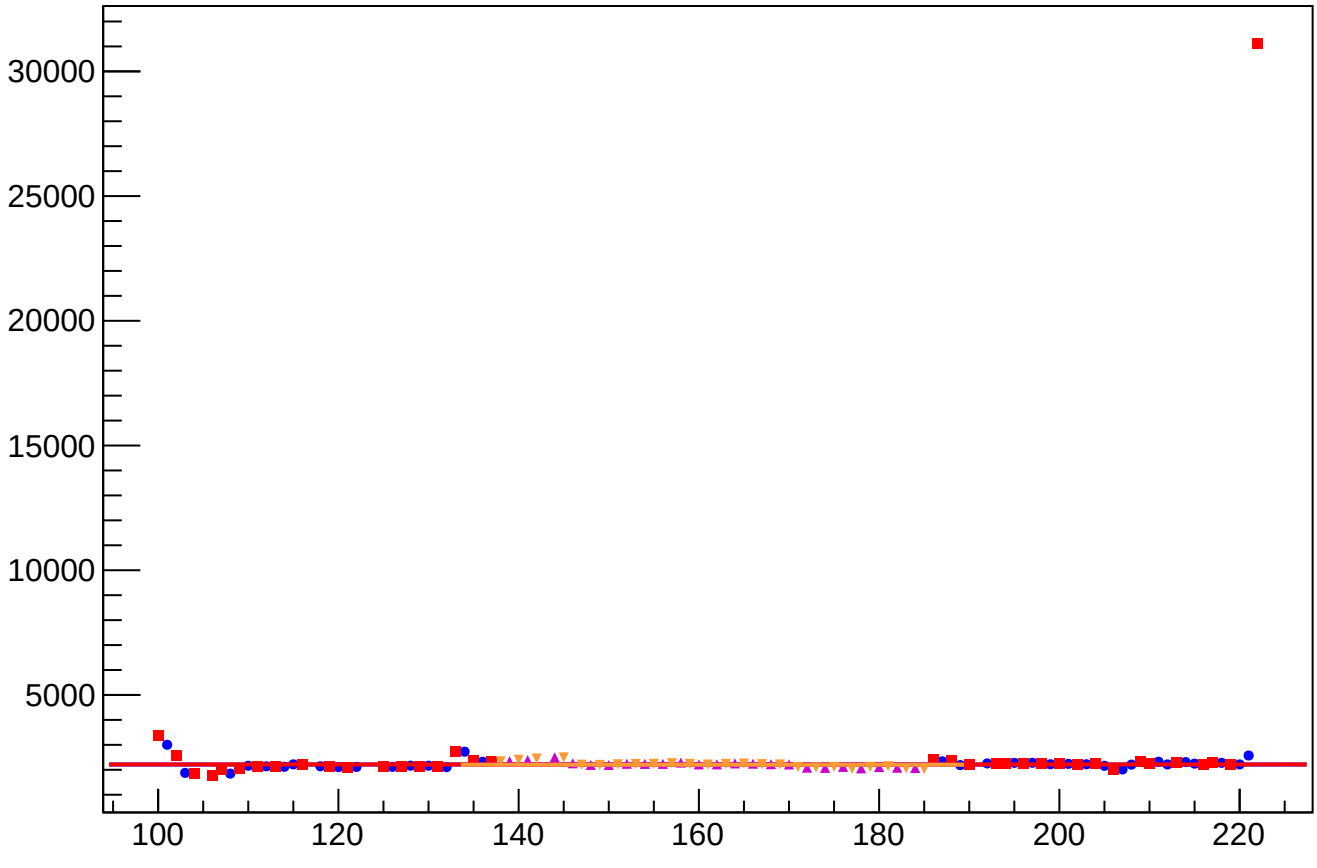
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4430.485+/-340.443 χ^2/NDF: 43.0/69

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3270.998+/-351.837 χ^2/NDF:58.8/59

All: 4173.127+/-248.492 χ^2/NDF: 101.0/116



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: 2215.113+/-0.342 χ^2/NDF: 1723260.2/35

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

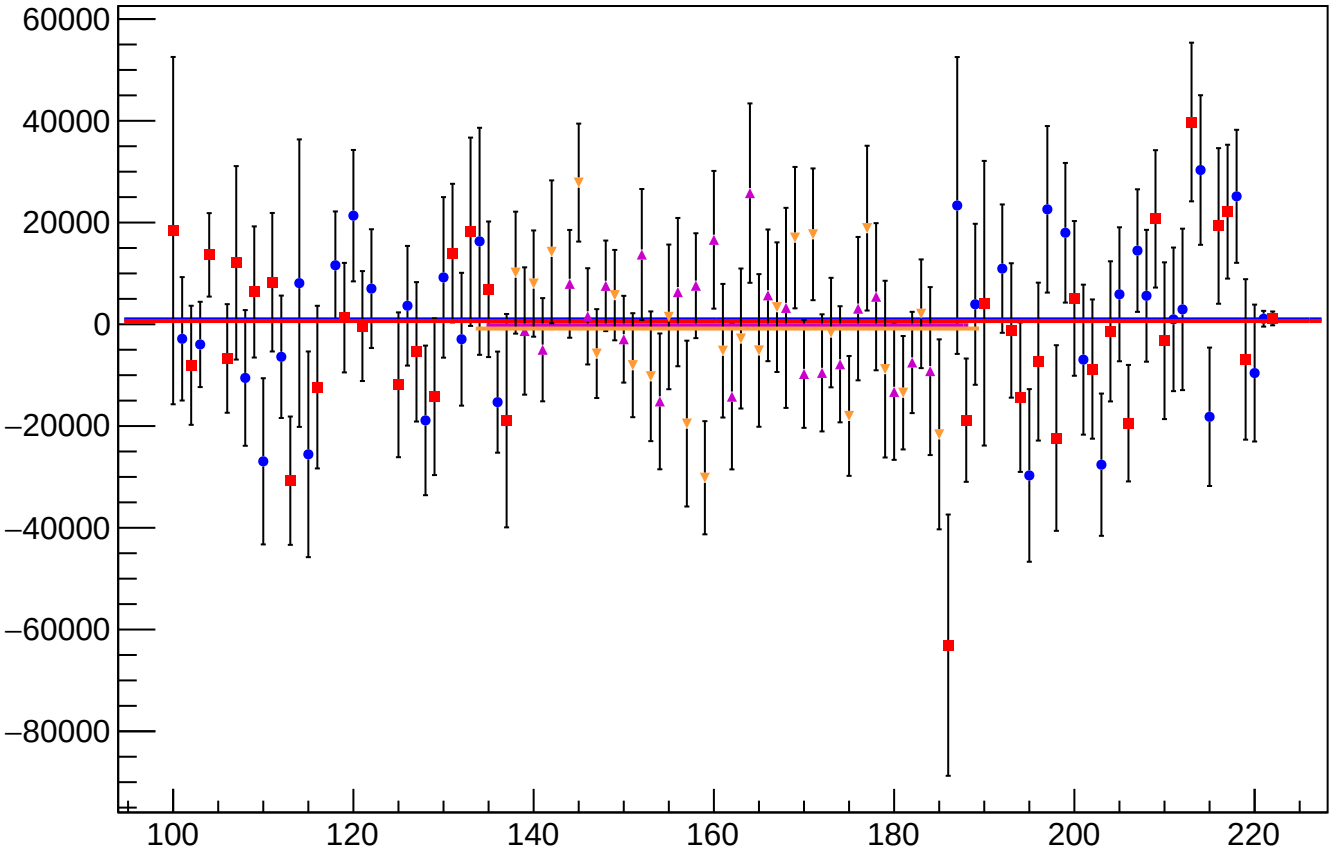
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2212.874+/-0.241 χ^2/NDF: 1972482.6/69

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2209.544+/-0.249 χ^2/NDF:1812031.6/59

All: 2209.580+/-0.176 χ^2/NDF: 2142184.8/11



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: 642.537+/-1176.098 χ^2/NDF: 44.8/35

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

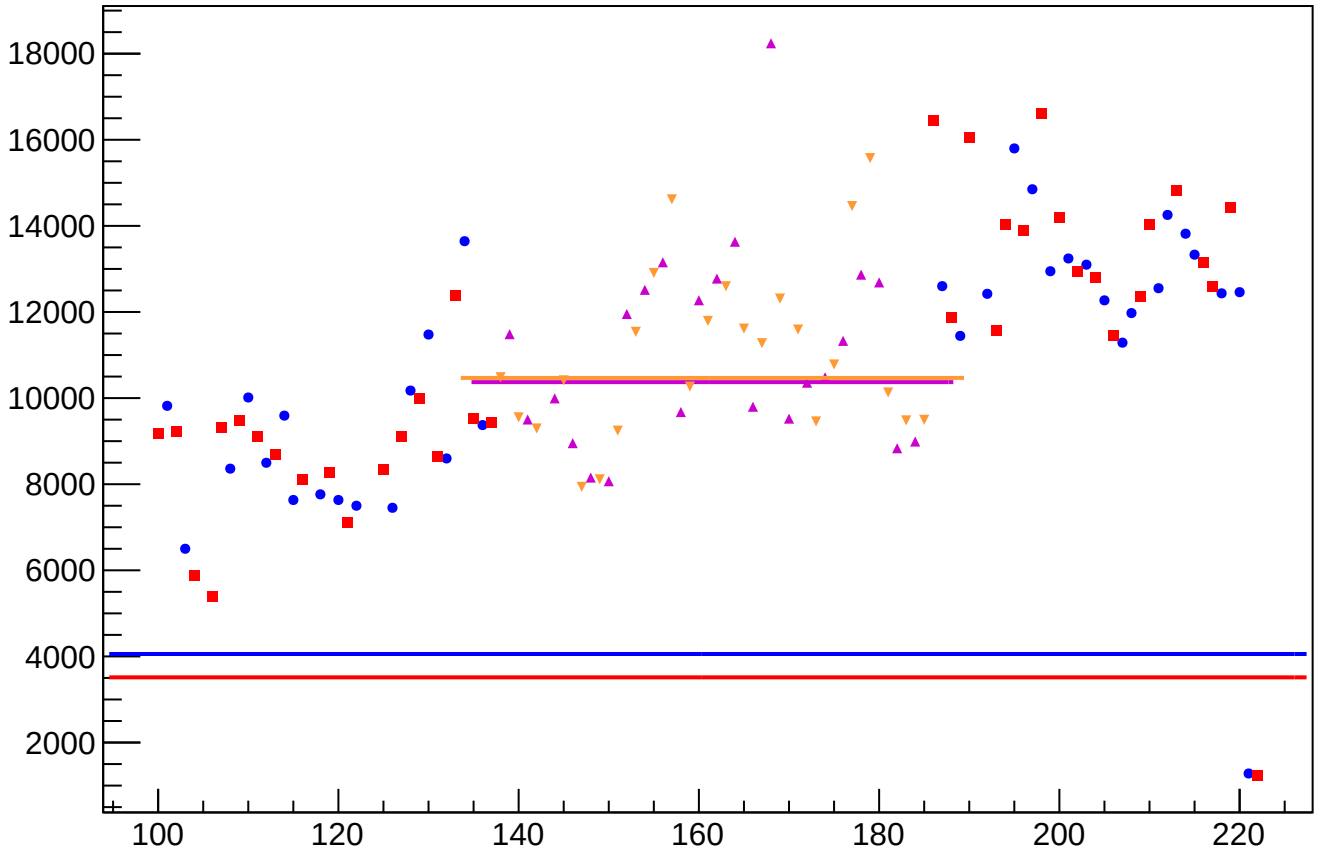
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 791.159+/-870.595 χ^2/NDF: 84.1/69

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: 371.799+/-1062.774 χ^2/NDF:74.6/59

All: 533.947+/-779.558 χ^2/NDF: 127.8/116



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: 3513.762+/-0.832 χ^2/NDF: 25610430.6/35

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

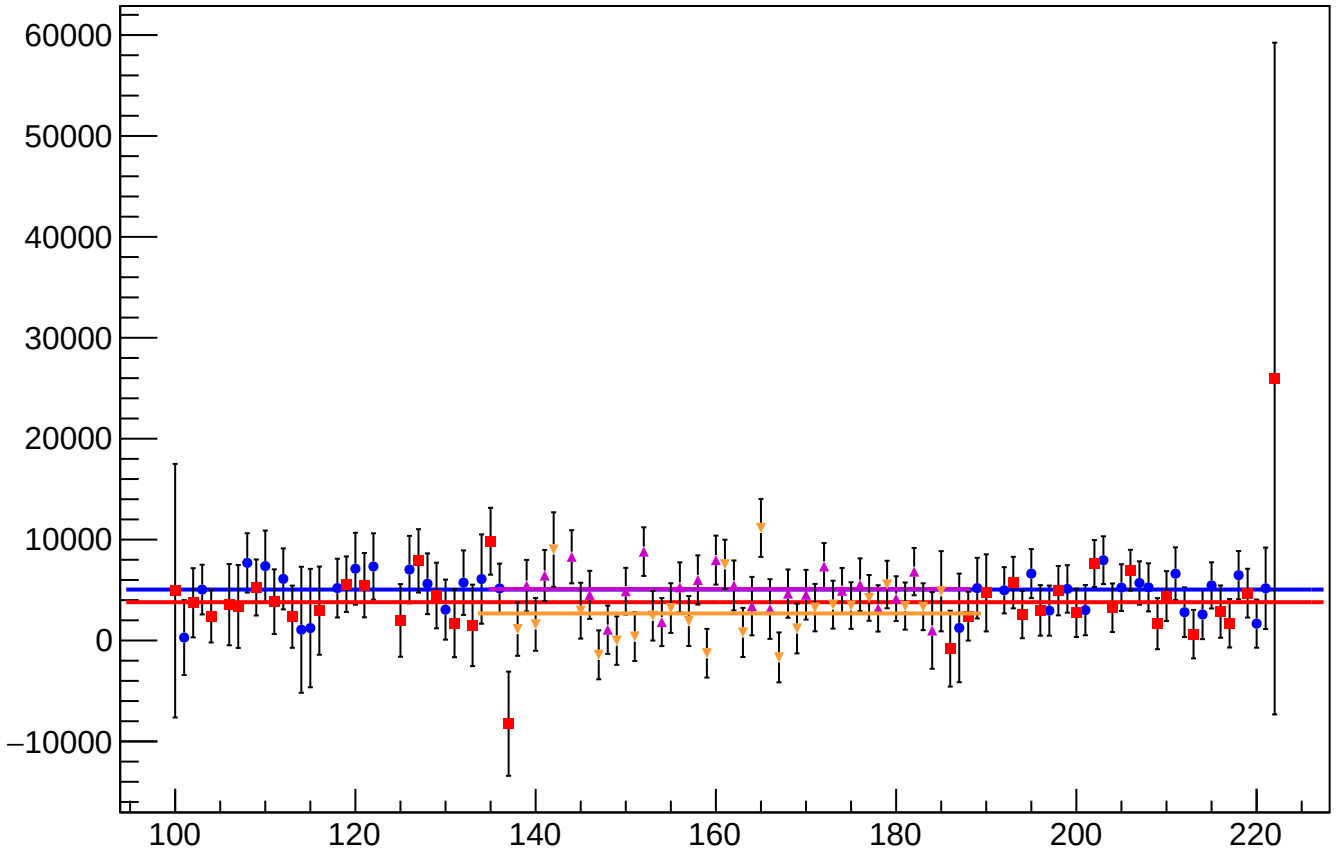
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 3759.070+/-0.616 χ^2/NDF: 49417776.3/69

In: 5416.638+/-0.811 χ^2/NDF:35063835.0/56

Out: 4789.483+/-0.751 χ^2/NDF:39484630.4/59

All: 5079.203+/-0.551 χ^2/NDF: 74870202.7/1



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: 3797.201+/-484.283 χ^2/NDF: 25.5/35

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

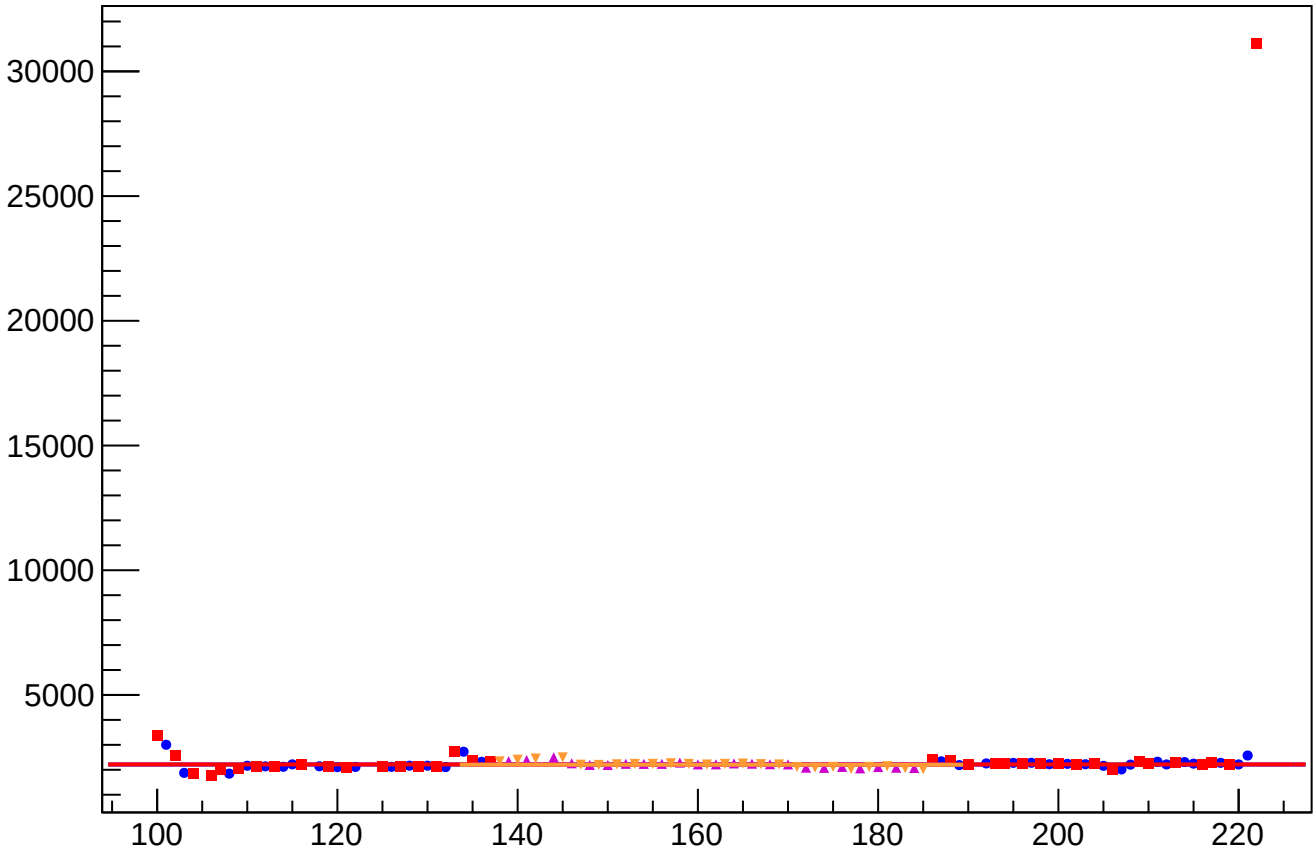
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4430.485+/-340.443 χ^2/NDF: 43.0/69

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3270.998+/-351.837 χ^2/NDF:58.8/59

All: 4173.127+/-248.492 χ^2/NDF: 101.0/116



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: 2215.113+/-0.342 χ^2/NDF: 1723260.2/35

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

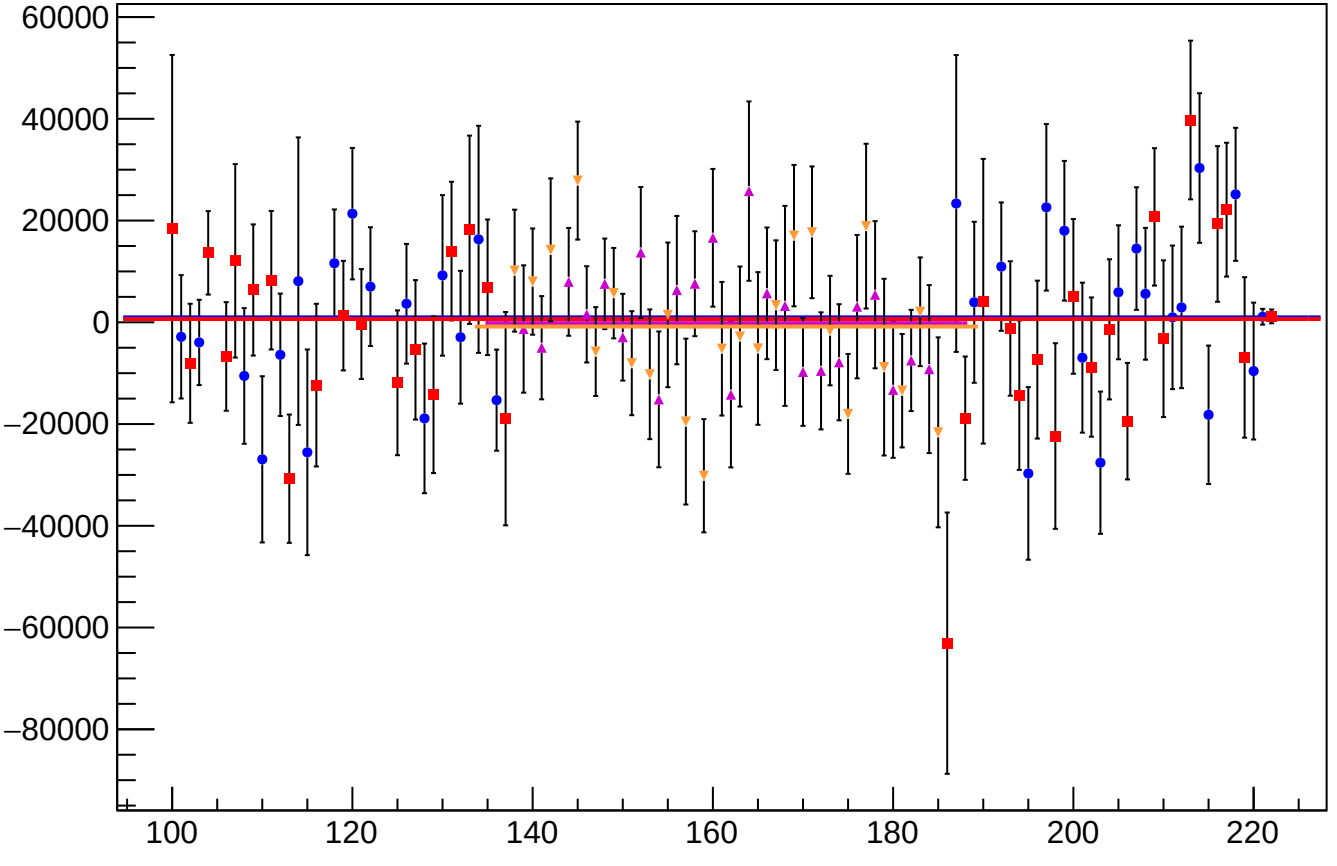
Right: 2212.874+/-0.241 χ^2/NDF: 1972482.6/69

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2209.544+/-0.249 χ^2/NDF:1812031.6/59

All: 2209.580+/-0.176 χ^2/NDF: 2142184.8/11

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 971.315+/-1294.870 χ^2/NDF: 39.3/33

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: 642.537+/-1176.098 χ^2/NDF: 44.8/35

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

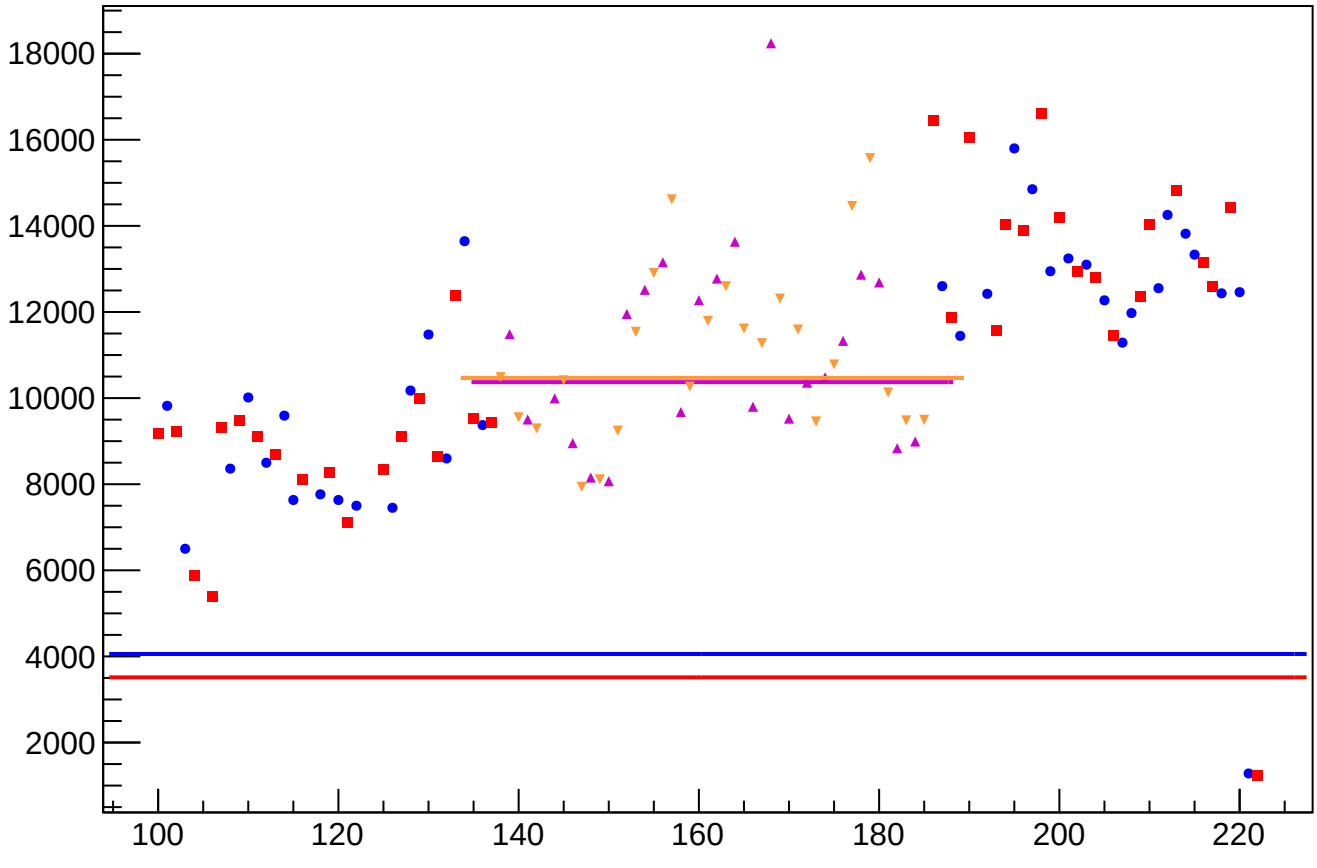
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 791.159+/-870.595 χ^2/NDF: 84.1/69

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: 371.799+/-1062.774 χ^2/NDF:74.6/59

All: 533.947+/-779.558 χ^2/NDF: 127.8/116



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: 3513.762+/-0.832 χ^2/NDF: 25610430.6/35

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

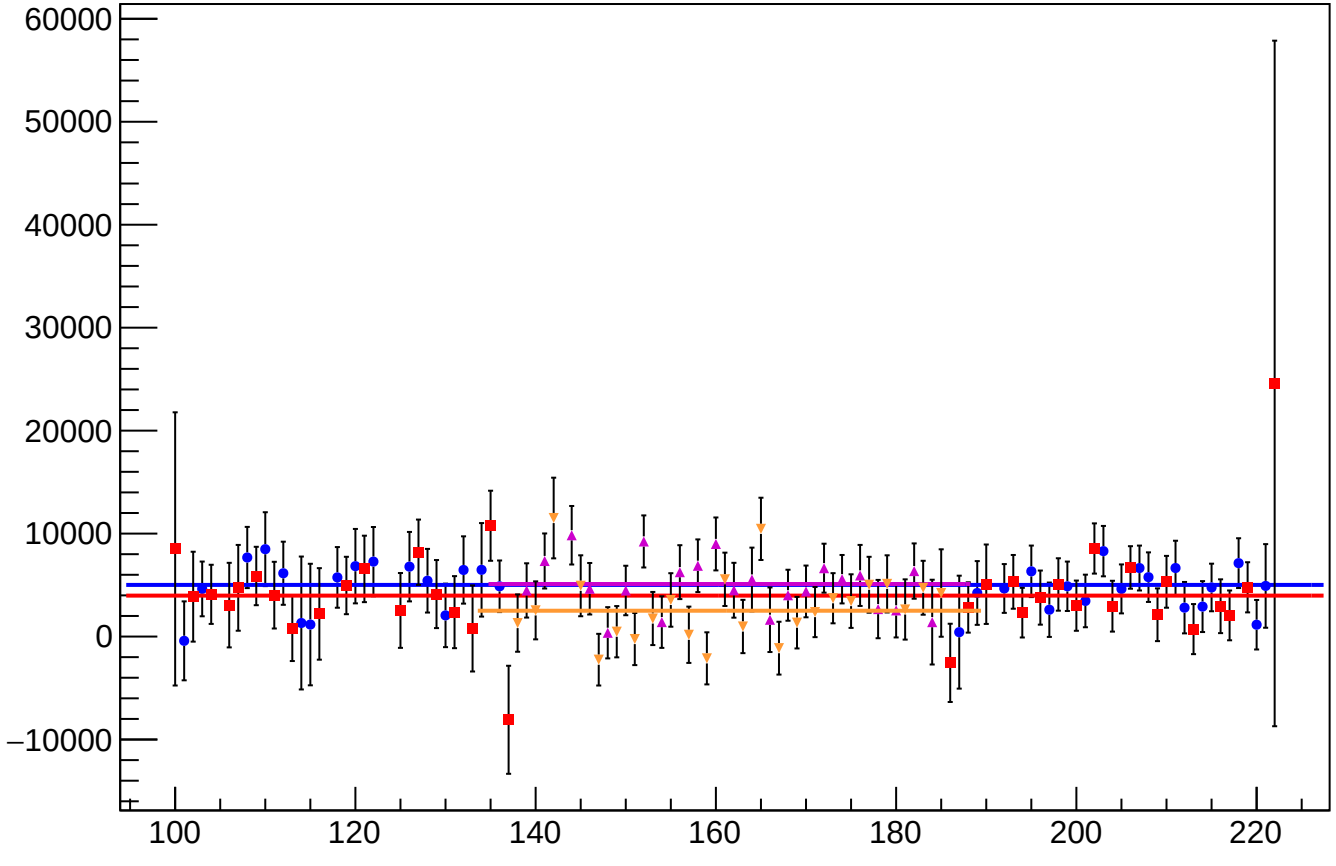
Right: 3759.070+/-0.616 χ^2/NDF: 49417776.3/69

In: 5416.638+/-0.811 χ^2/NDF:35063835.0/56

Out: 4789.483+/-0.751 χ^2/NDF:39484630.4/59

All: 5079.203+/-0.551 χ^2/NDF: 74870202.7/1

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



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: 3976.483+/-497.360 χ^2/NDF: 28.3/35

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

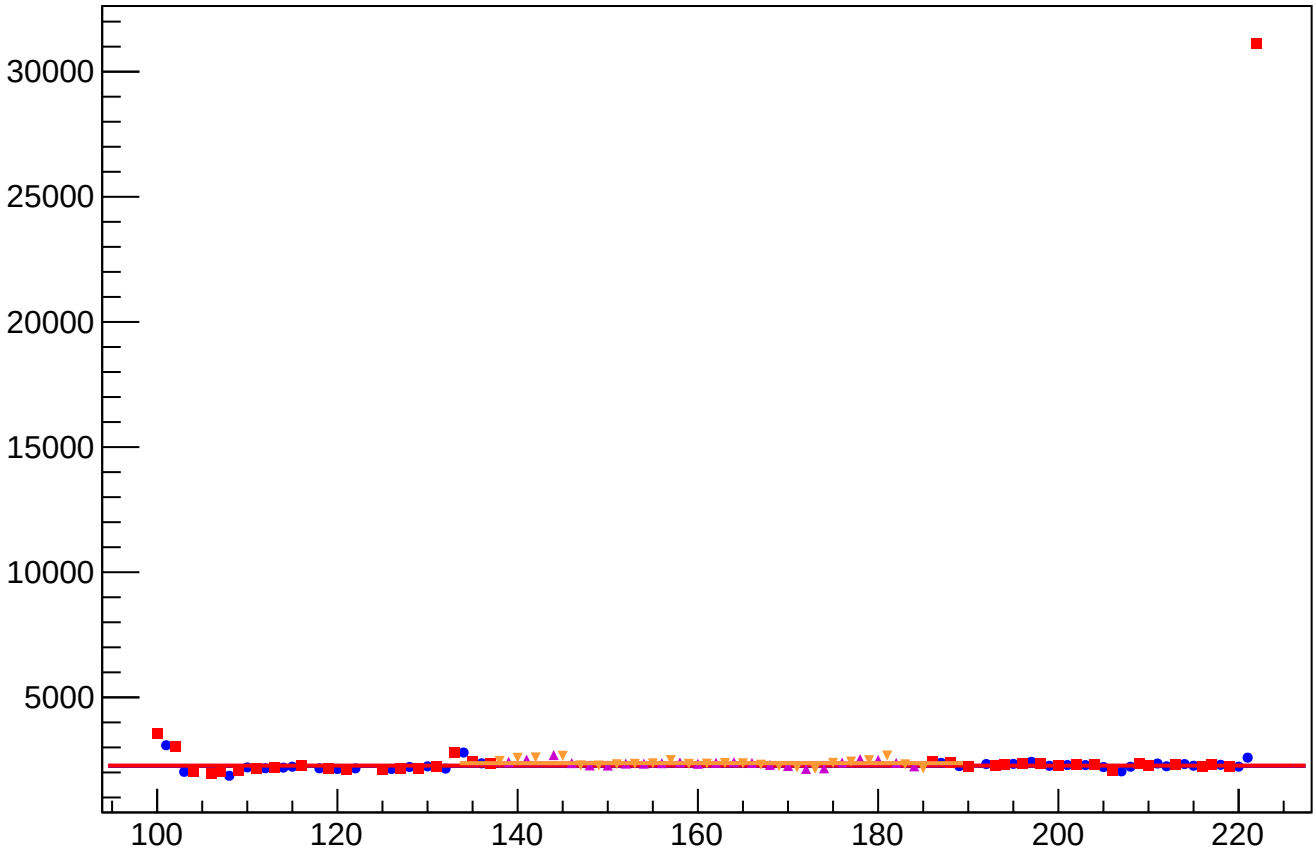
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4504.353+/-348.955 χ^2/NDF: 47.4/69

In: 5054.344+/-366.504 χ^2/NDF:36.9/56

Out: 3318.410+/-369.379 χ^2/NDF:62.0/59

All: 4193.158+/-260.168 χ^2/NDF: 110.0/116



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: 2273.142+/-0.352 χ^2/NDF: 1718865.4/35

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

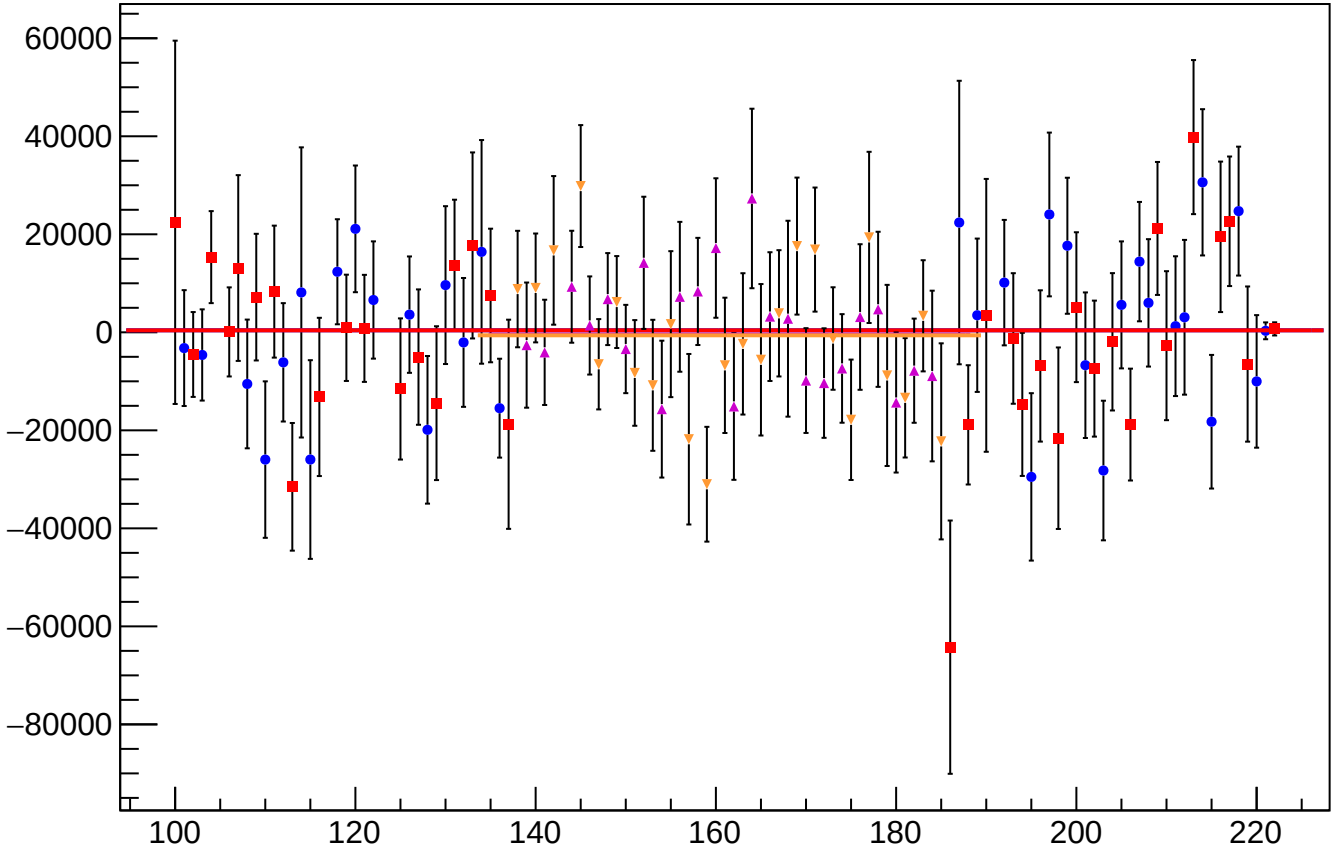
Right: 2267.066+/-0.247 χ^2/NDF: 1960737.6/69

In: 2305.624+/-0.259 χ^2/NDF:370636.7/56

Out: 2317.075+/-0.261 χ^2/NDF:1869985.6/59

All: 2311.305+/-0.184 χ^2/NDF: 2241591.0/11

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 413.287+/-1395.007 χ^2/NDF: 38.9/33

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: 404.232+/-1161.592 χ^2/NDF: 43.7/35

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

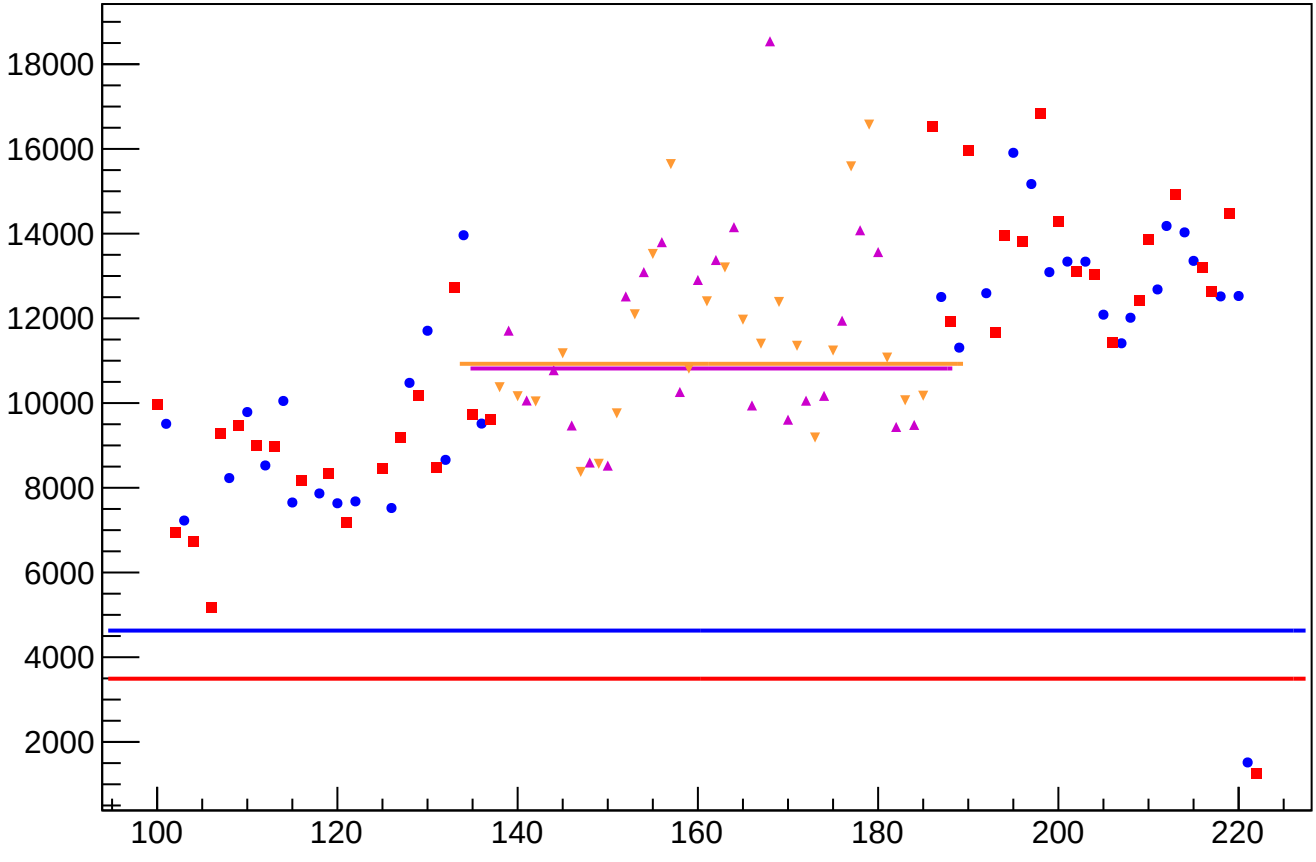
Right: 407.939+/-892.647 χ^2/NDF: 82.7/69

In: 208.594+/-1226.815 χ^2/NDF:52.6/56

Out: 234.667+/-1059.873 χ^2/NDF:72.7/59

All: 223.524+/-802.022 χ^2/NDF: 125.3/116

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4628.932+/-0.986 χ^2/NDF: 21410167.5/33

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 3492.904+/-0.821 χ^2/NDF: 25664599.5/35

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

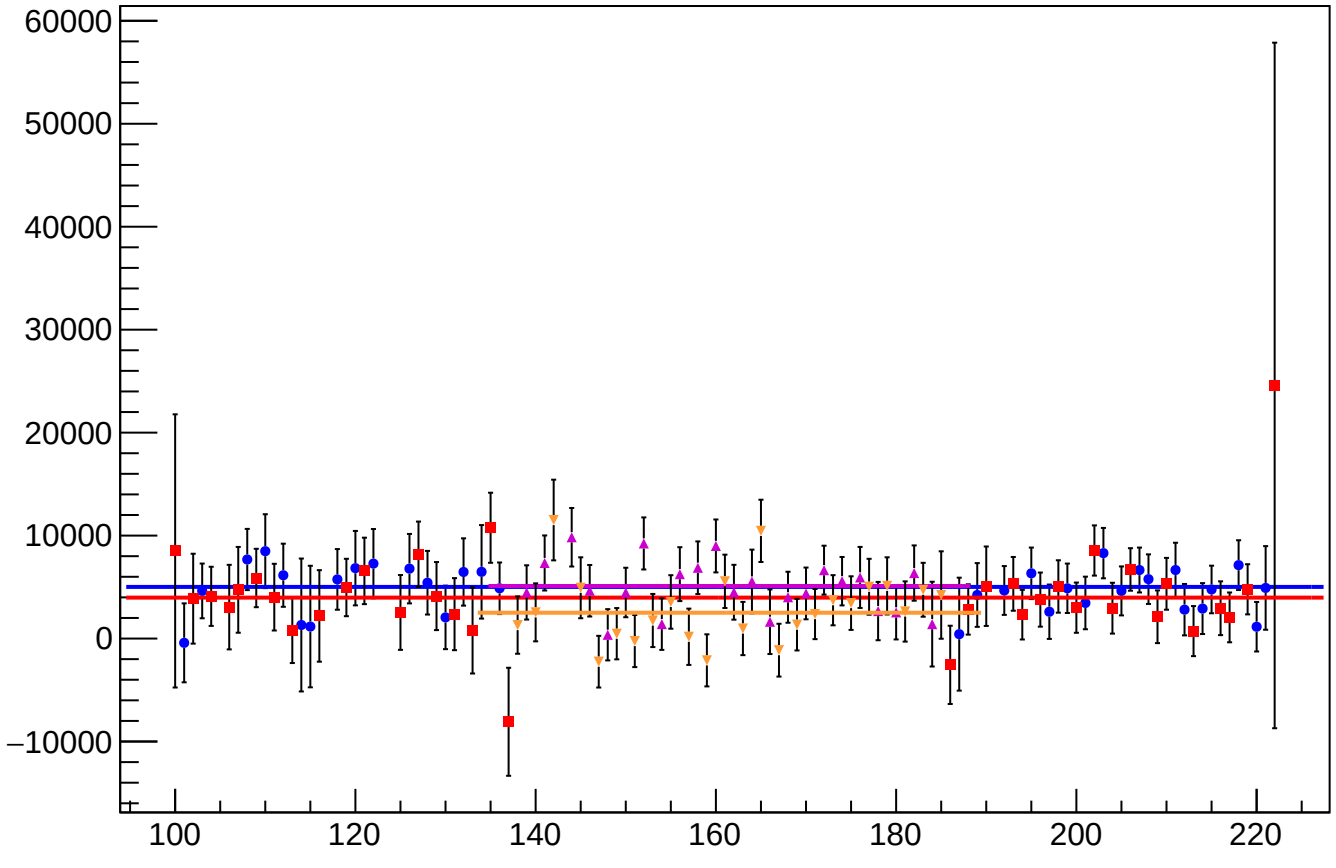
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 3958.057+/-0.631 χ^2/NDF: 47858029.2/69

In: 6030.985+/-0.867 χ^2/NDF:31522555.9/56

Out: 4737.863+/-0.749 χ^2/NDF:40440152.4/59

All: 5290.518+/-0.567 χ^2/NDF: 73235089.3/1



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: 3976.482+/-497.360 χ^2/NDF: 28.2/35

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

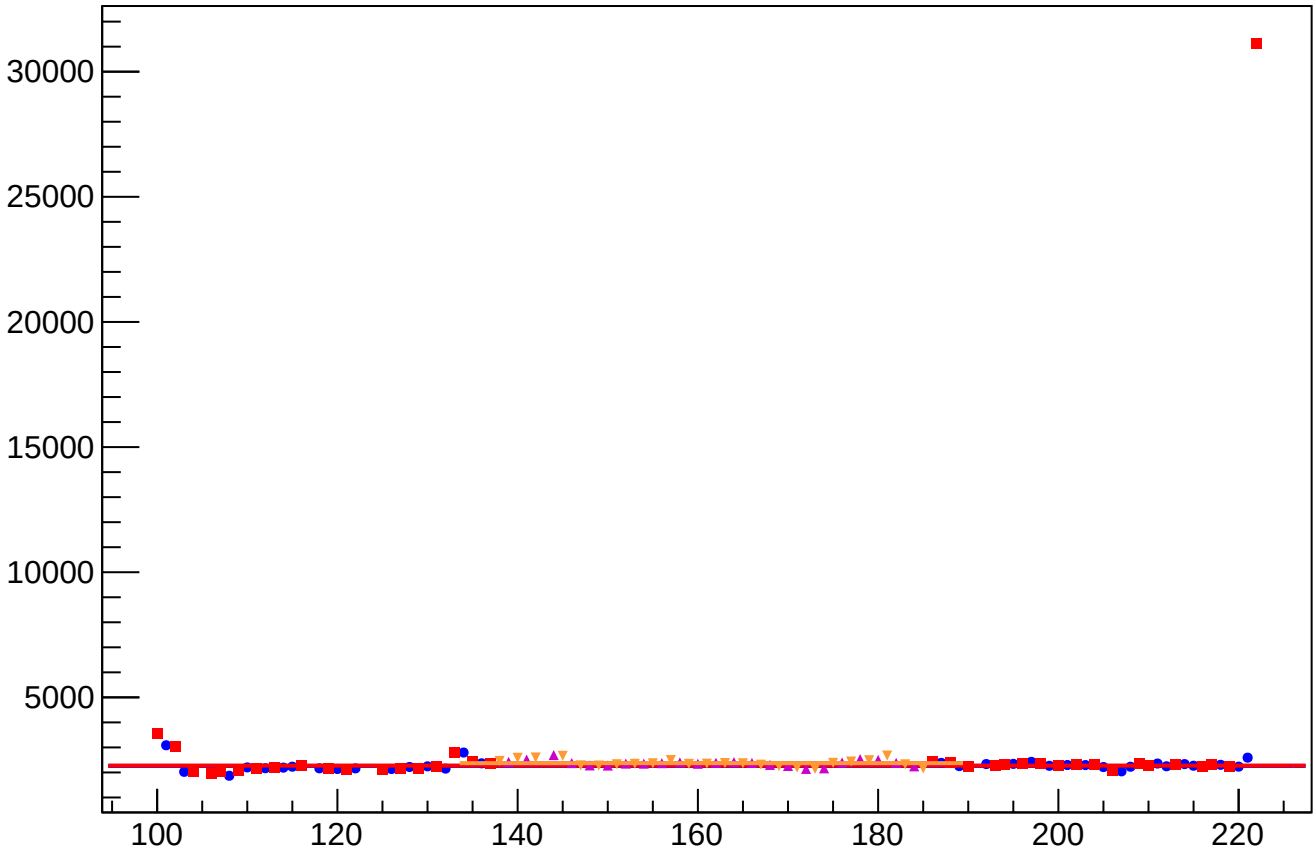
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4504.350+/-348.955 χ^2/NDF: 47.4/69

In: 5054.341+/-366.504 χ^2/NDF:36.9/56

Out: 3318.405+/-369.379 χ^2/NDF:62.0/59

All: 4193.154+/-260.168 χ^2/NDF: 110.0/116



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: 2273.141+/-0.352 χ^2/NDF: 1718865.9/35

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

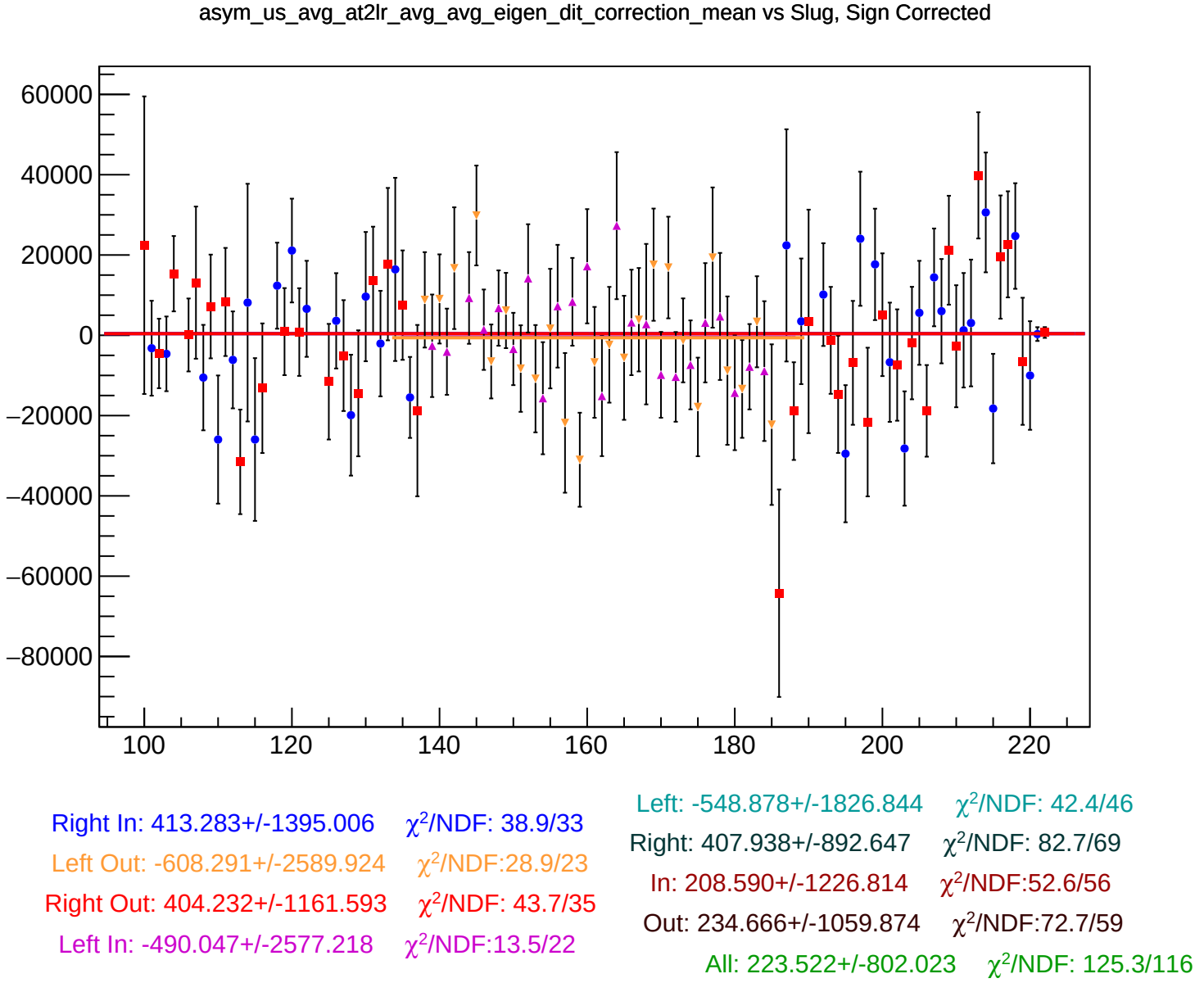
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

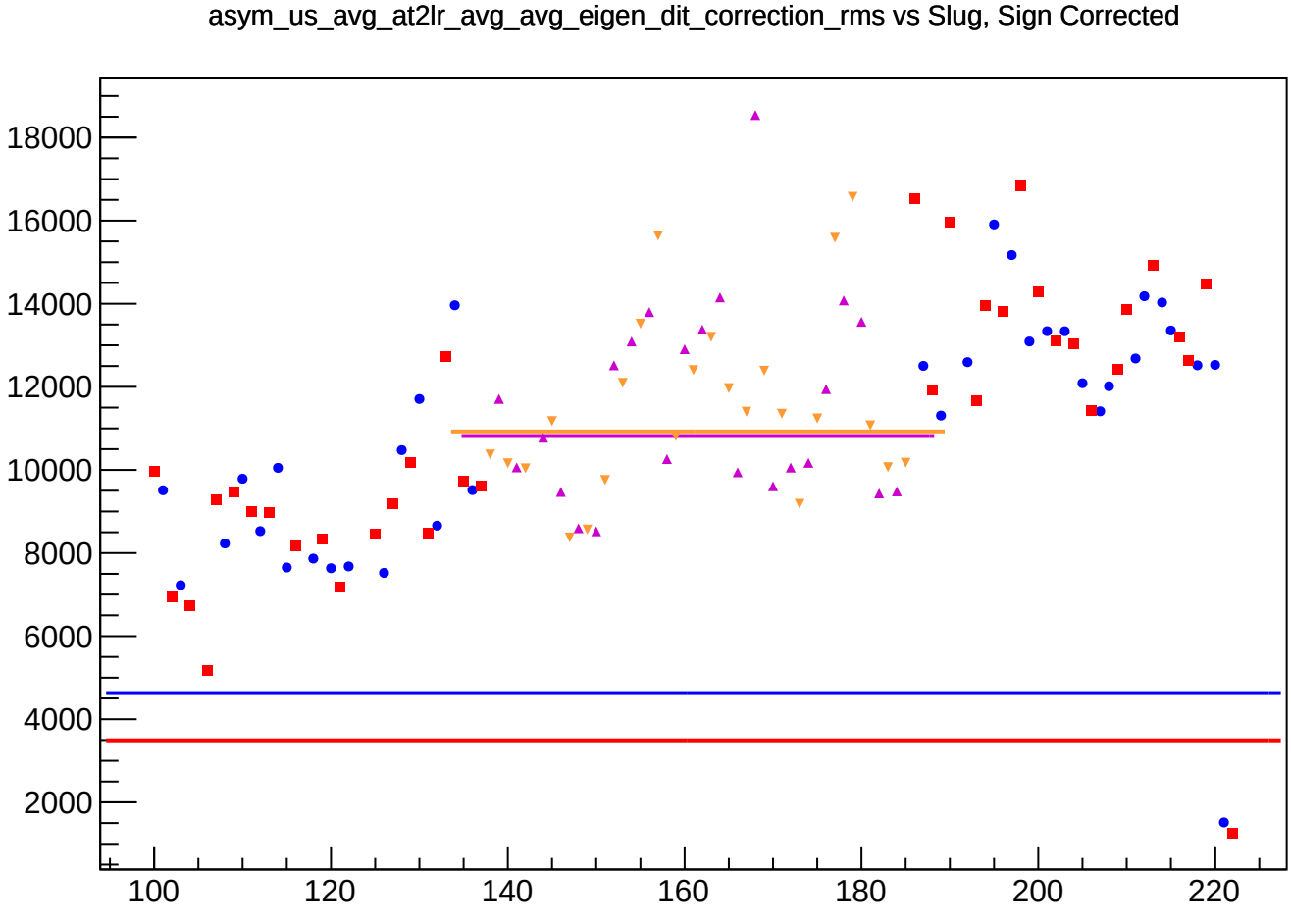
Right: 2267.066+/-0.247 χ^2/NDF: 1960738.5/69

In: 2305.625+/-0.259 χ^2/NDF:370644.2/56

Out: 2317.076+/-0.261 χ^2/NDF:1869992.7/59

All: 2311.307+/-0.184 χ^2/NDF: 2241605.6/11


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: 404.232+/-1161.593 χ²/NDF: 43.7/35
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: 407.938+/-892.647 χ²/NDF: 82.7/69
In: 208.590+/-1226.814 χ²/NDF:52.6/56
Out: 234.666+/-1059.874 χ²/NDF:72.7/59
All: 223.522+/-802.023 χ²/NDF: 125.3/116



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: 3492.911+/-0.821 χ^2/NDF: 25664565.9/35

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

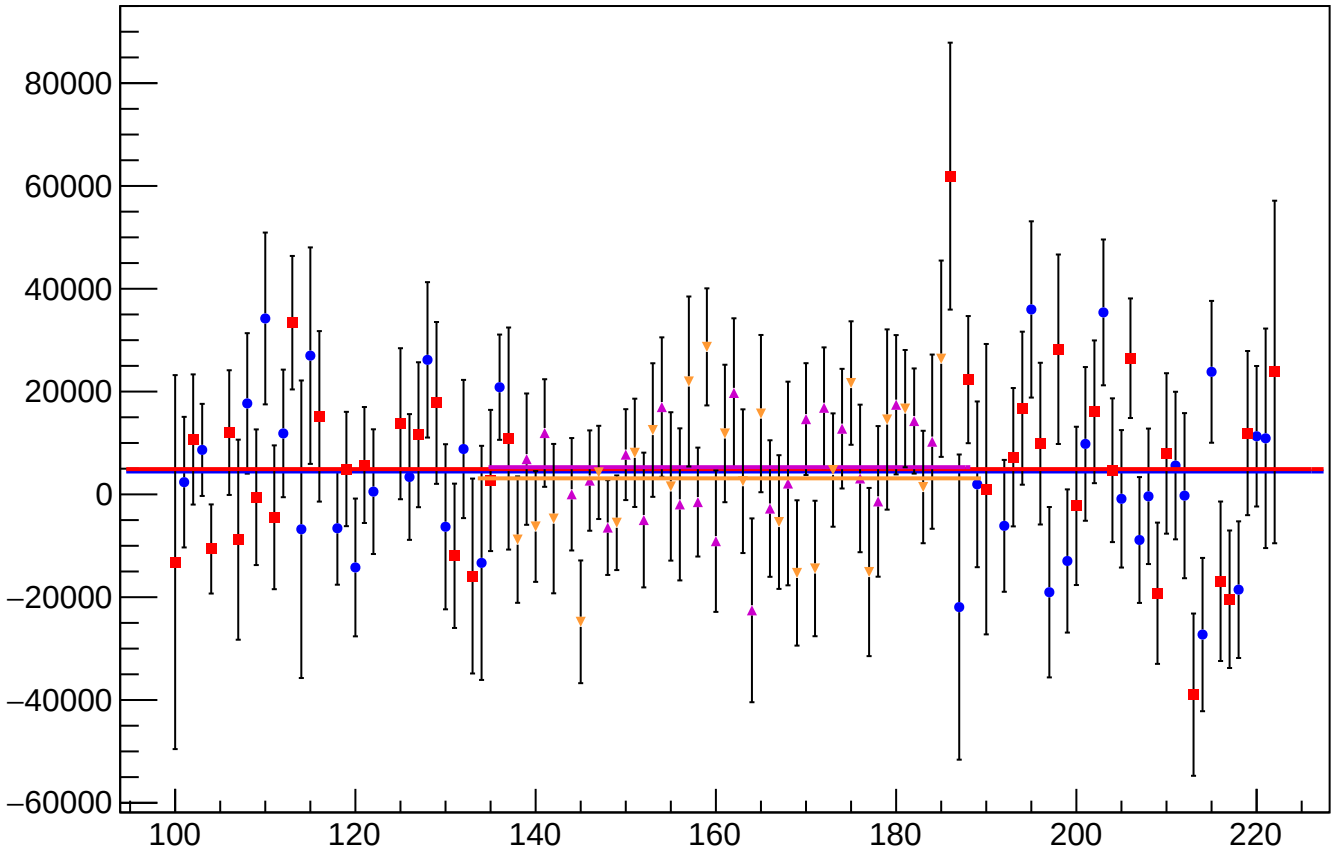
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 3958.060+/-0.631 χ^2/NDF: 47858001.7/69

In: 6030.979+/-0.867 χ^2/NDF:31522630.1/56

Out: 4737.870+/-0.749 χ^2/NDF:40440117.6/59

All: 5290.521+/-0.567 χ^2/NDF: 73235101.0/1



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: 4917.753+/-2416.141 χ^2/NDF: 44.7/35

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

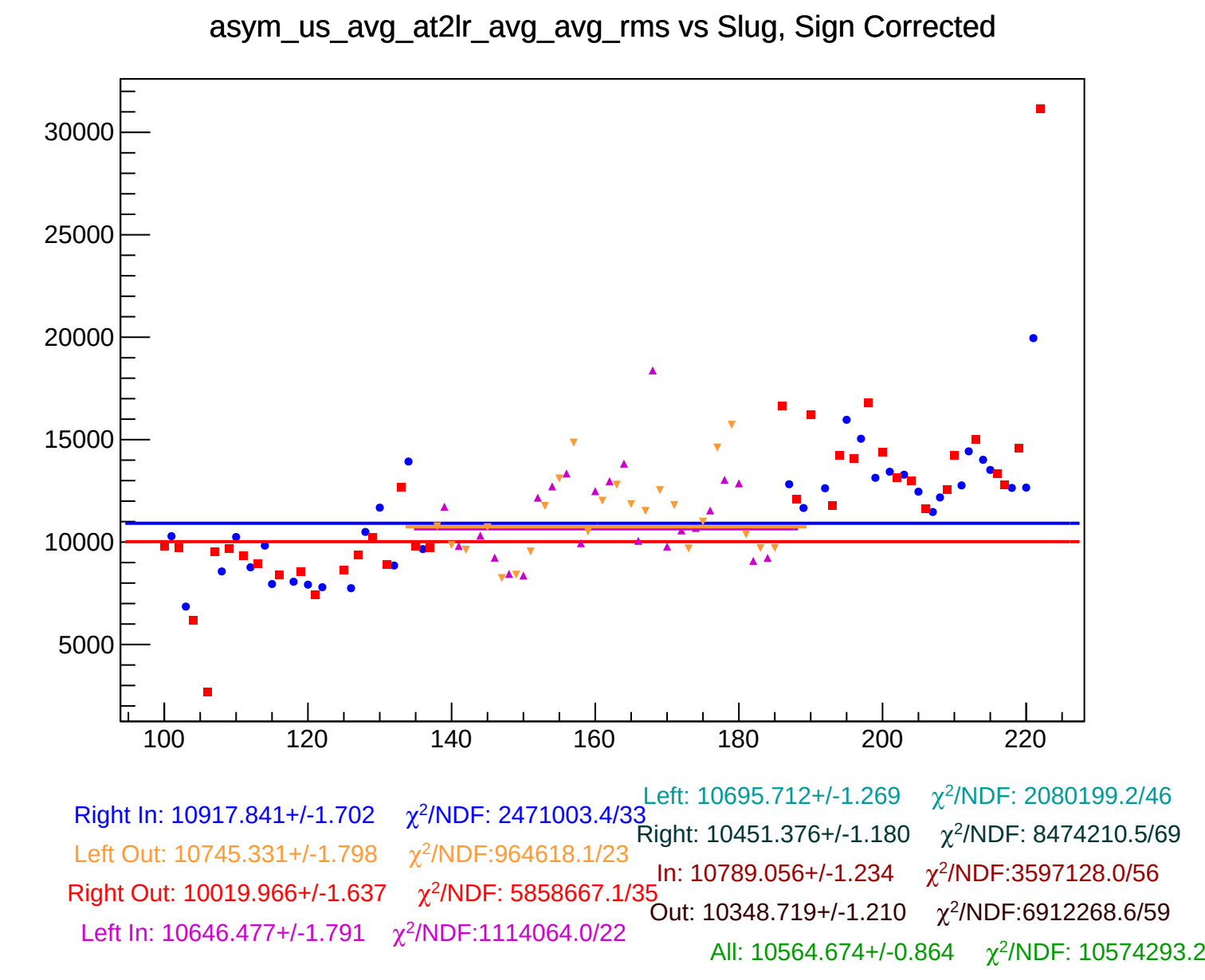
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

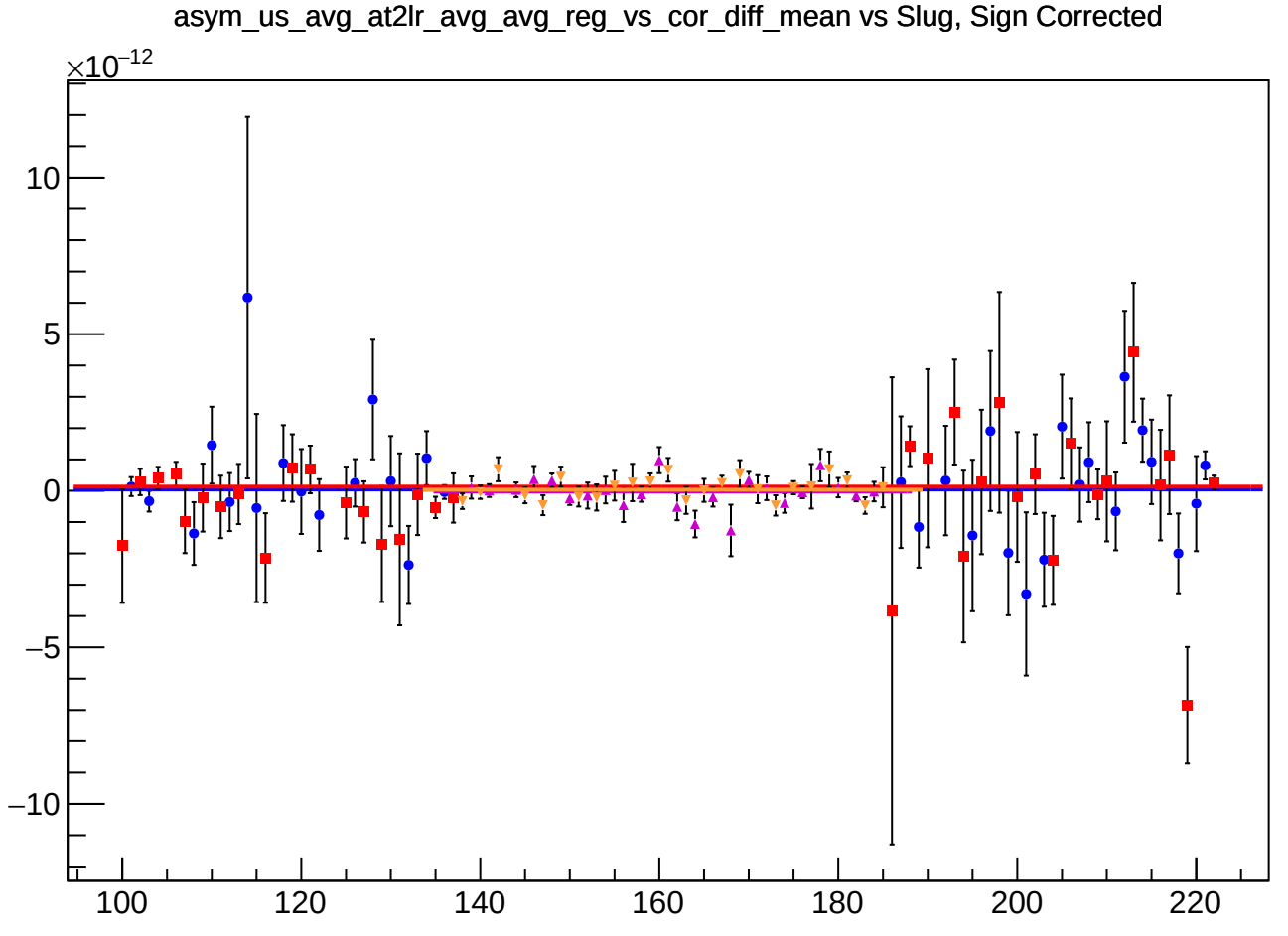
Right: 4684.020+/-1705.357 χ^2/NDF: 84.4/69

In: 4850.035+/-1744.986 χ^2/NDF:53.0/56

Out: 4064.386+/-1751.553 χ^2/NDF:72.4/59

All: 4458.686+/-1236.207 χ^2/NDF: 125.5/116


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 10917.841+/-1.702 χ²/NDF: 2471003.4/33
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 10019.966+/-1.637 χ²/NDF: 5858667.1/35
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 10451.376+/-1.180 χ²/NDF: 8474210.5/69
In: 10789.056+/-1.234 χ²/NDF:3597128.0/56
Out: 10348.719+/-1.210 χ²/NDF:6912268.6/59
All: 10564.674+/-0.864 χ²/NDF: 10574293.2



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: 44.5/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

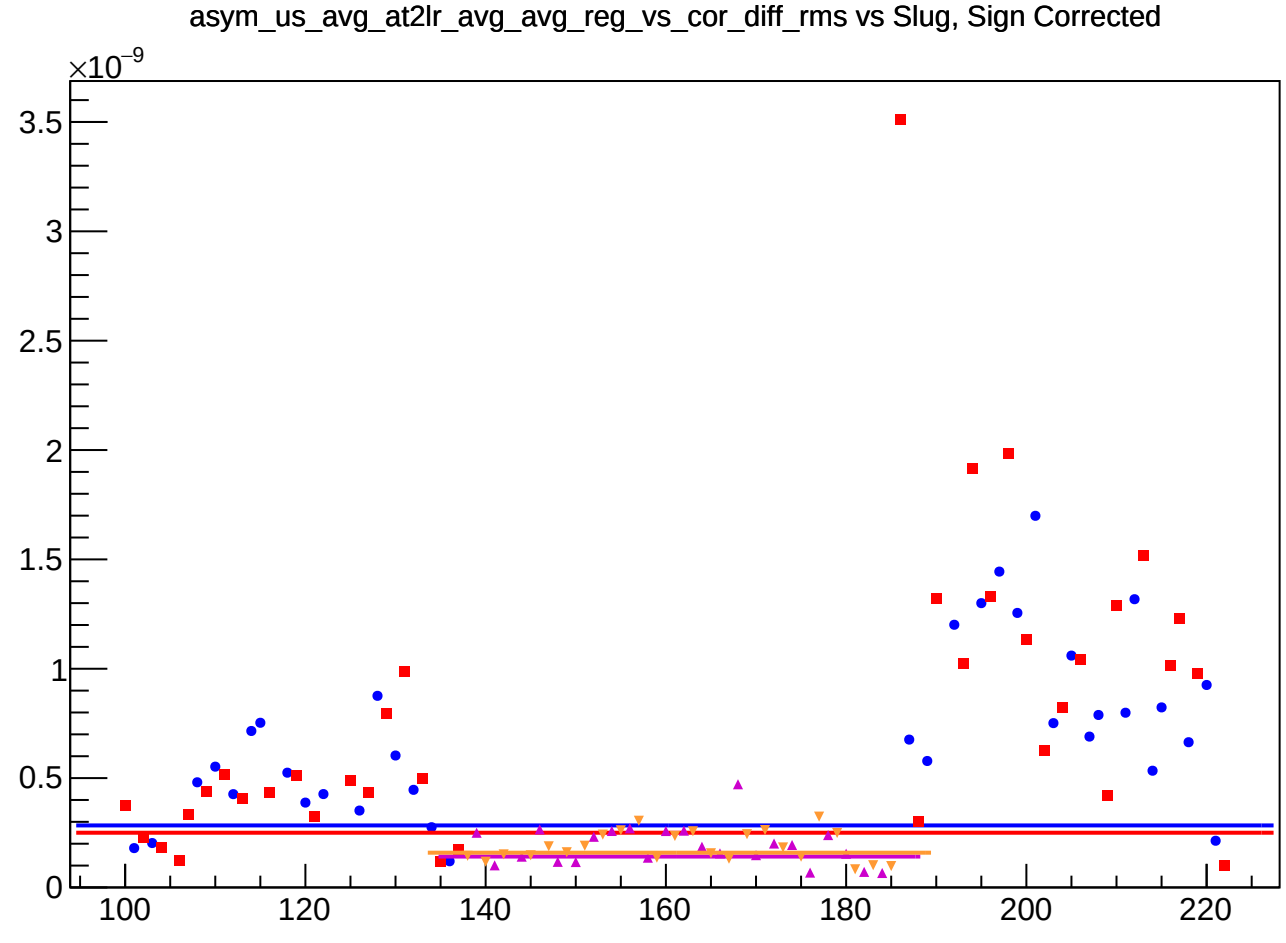
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 80.8/69

In: -0.000+/-0.000 χ^2/NDF:64.2/56

Out: 0.000+/-0.000 χ^2/NDF:71.3/59

All: 0.000+/-0.000 χ^2/NDF: 136.2/116



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: 9288669.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

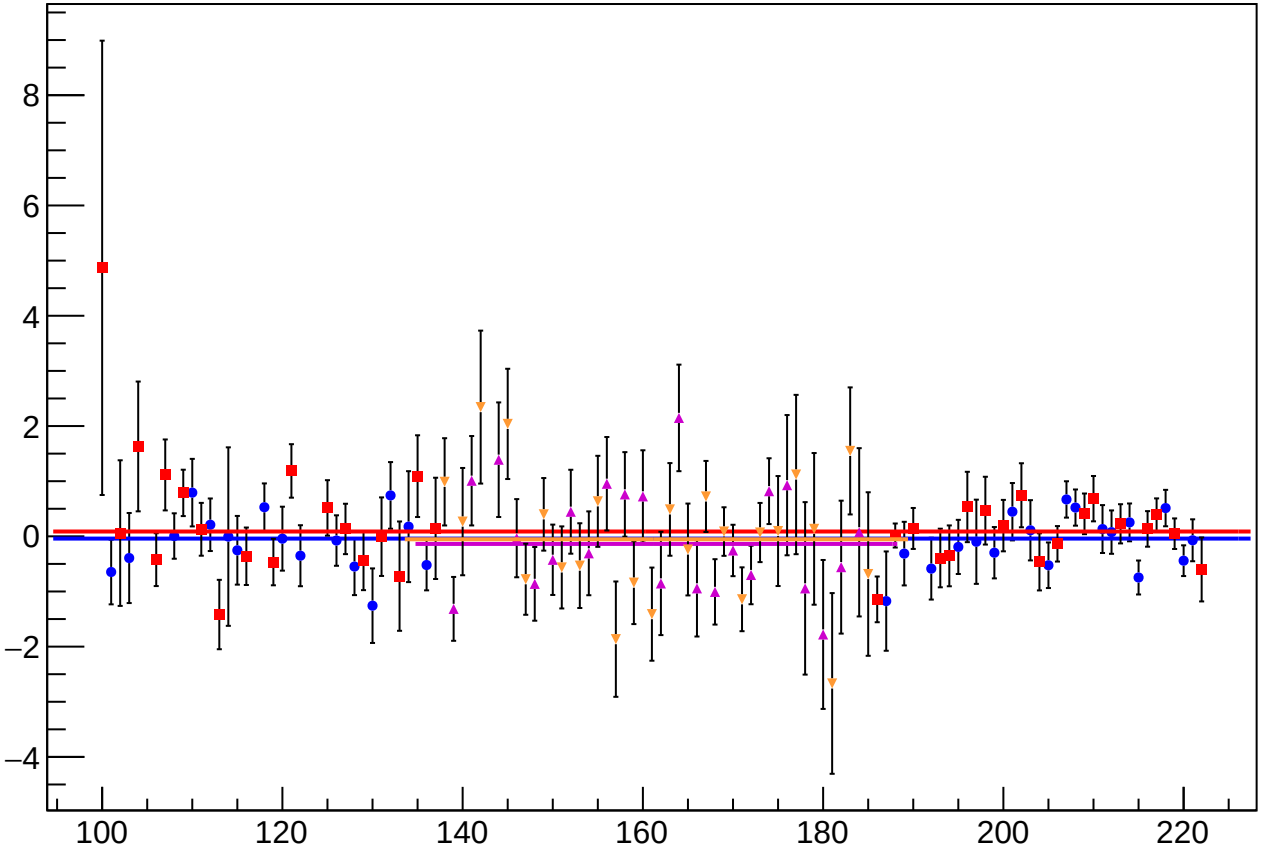
Right: 0.000+/-0.000 χ^2/NDF: 17150442.0/69

In: 0.000+/-0.000 χ^2/NDF:12235252.2/56

Out: 0.000+/-0.000 χ^2/NDF:11473118.8/59

All: 0.000+/-0.000 χ^2/NDF: 23752948.8/116

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: 0.088+/-0.075 χ^2/NDF: 46.8/35

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

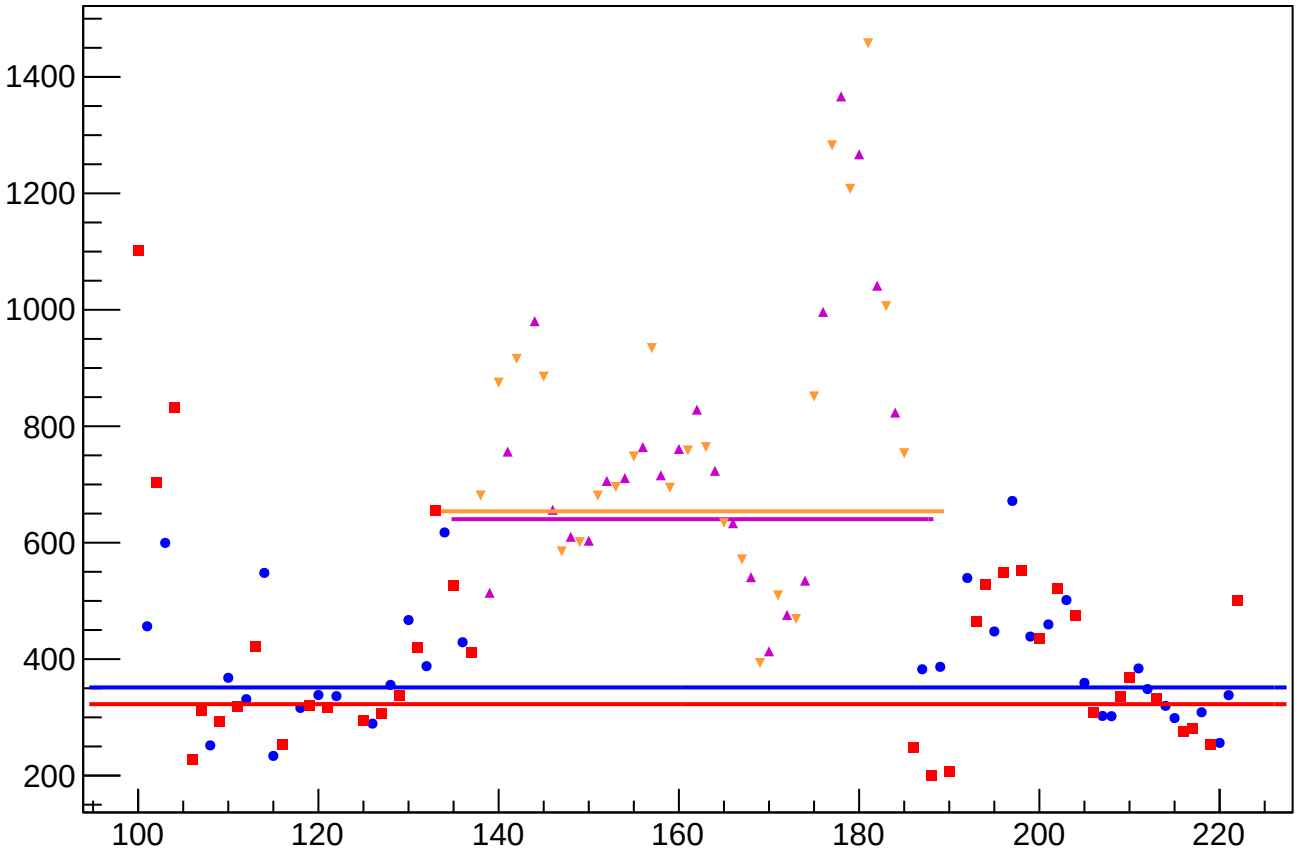
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.027+/-0.054 χ^2/NDF: 85.0/69

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.063+/-0.068 χ^2/NDF:77.6/59

All: 0.004+/-0.049 χ^2/NDF: 146.2/116



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: 322.656+/-0.053 χ^2/NDF: 4027365.6/35

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

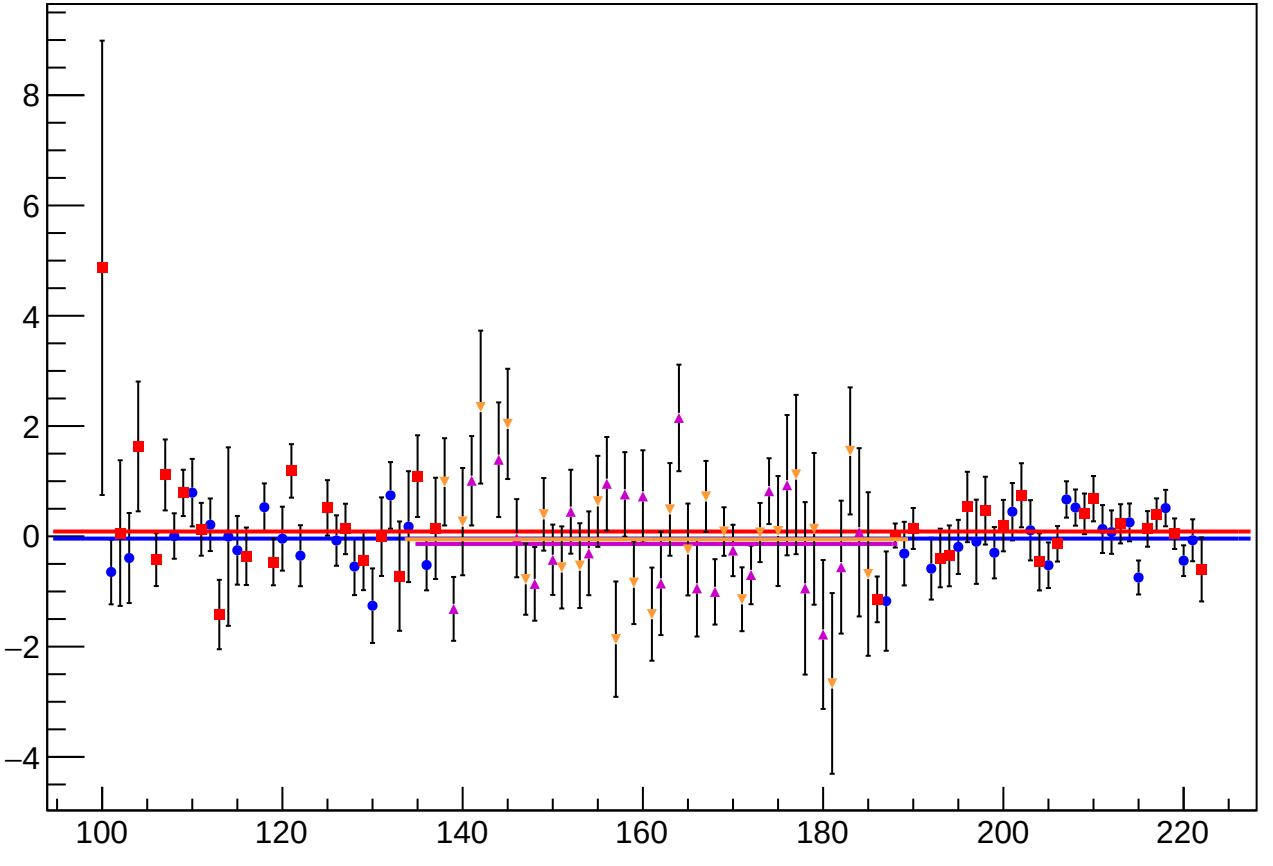
Right: 336.272+/-0.038 χ^2/NDF: 6371230.6/69

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 381.542+/-0.048 χ^2/NDF:14085975.0/59

All: 394.885+/-0.035 χ^2/NDF: 24459027.8/11

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: 0.088+/-0.075 χ^2/NDF: 46.8/35

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

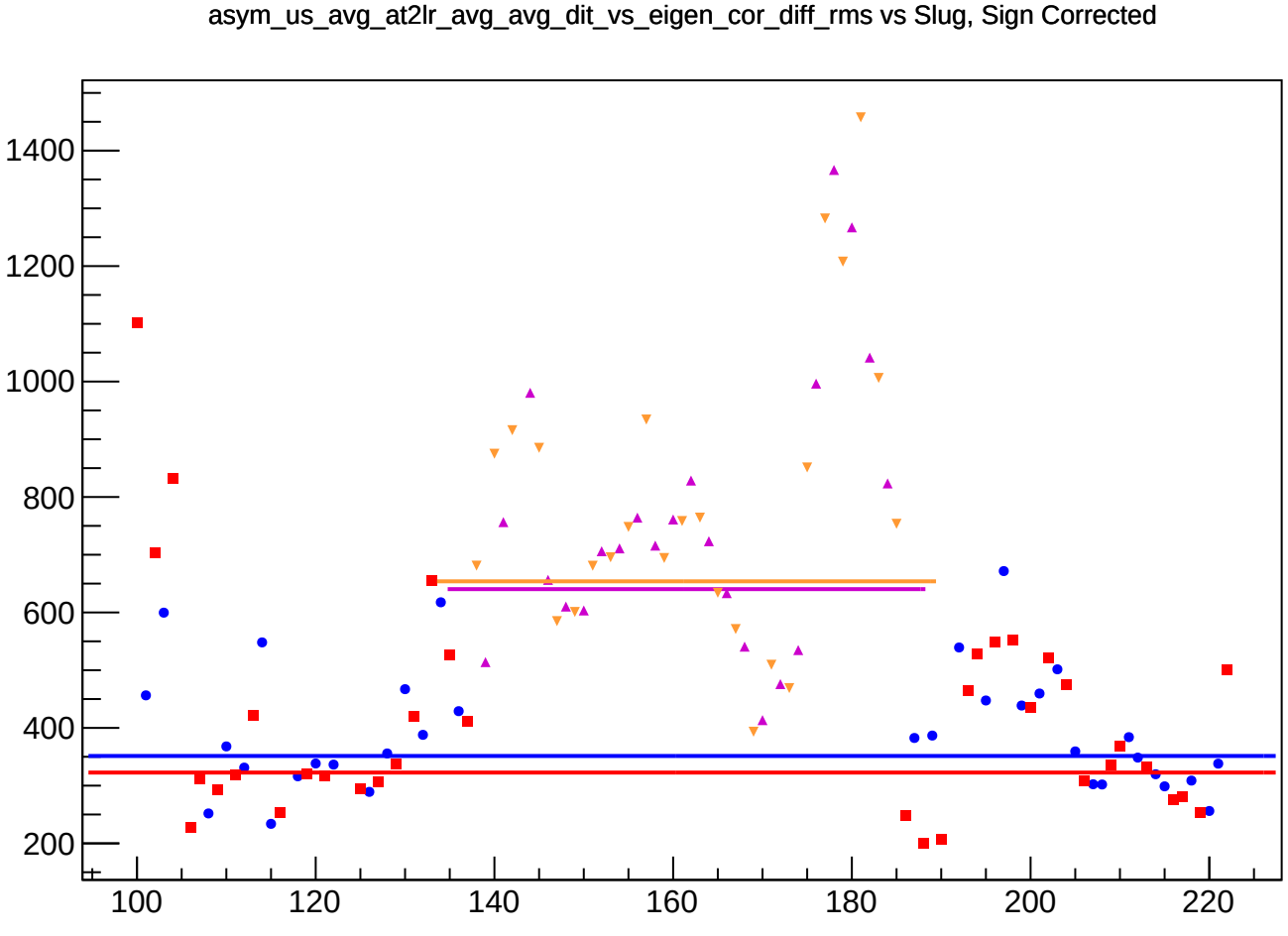
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.027+/-0.054 χ^2/NDF: 85.0/69

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.063+/-0.068 χ^2/NDF:77.6/59

All: 0.004+/-0.049 χ^2/NDF: 146.2/116



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: 322.656+/-0.053 χ^2/NDF: 4027365.6/35

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

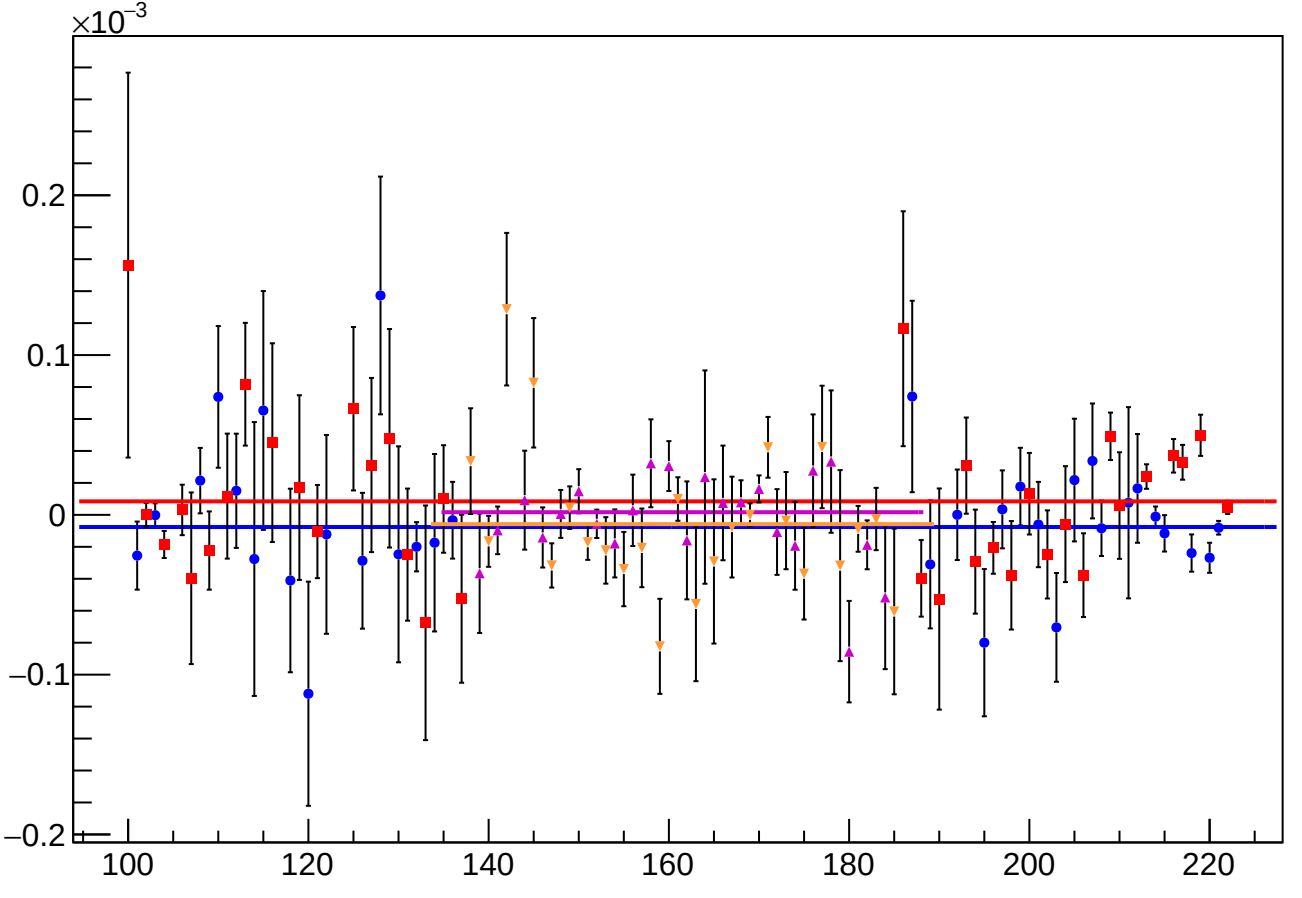
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 336.272+/-0.038 χ^2/NDF: 6371230.6/69

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 381.542+/-0.048 χ^2/NDF:14085975.0/59

All: 394.885+/-0.035 χ^2/NDF: 24459027.8/11



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: 78.7/35

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

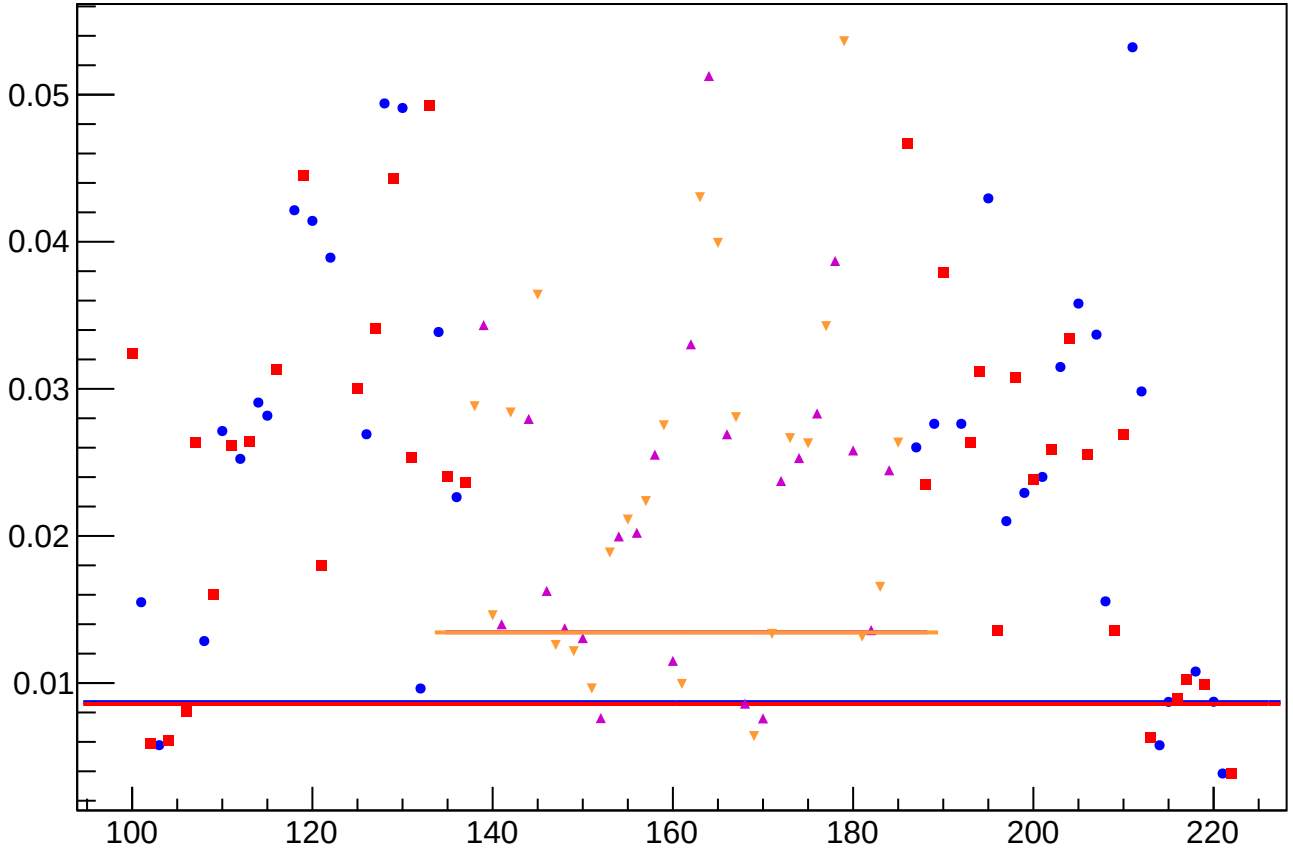
Right: 0.000+/-0.000 χ^2/NDF: 134.1/69

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: 0.000+/-0.000 χ^2/NDF:131.5/59

All: -0.000+/-0.000 χ^2/NDF: 205.1/116

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: 0.009+/-0.000 χ^2/NDF: 17271565.1/35

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

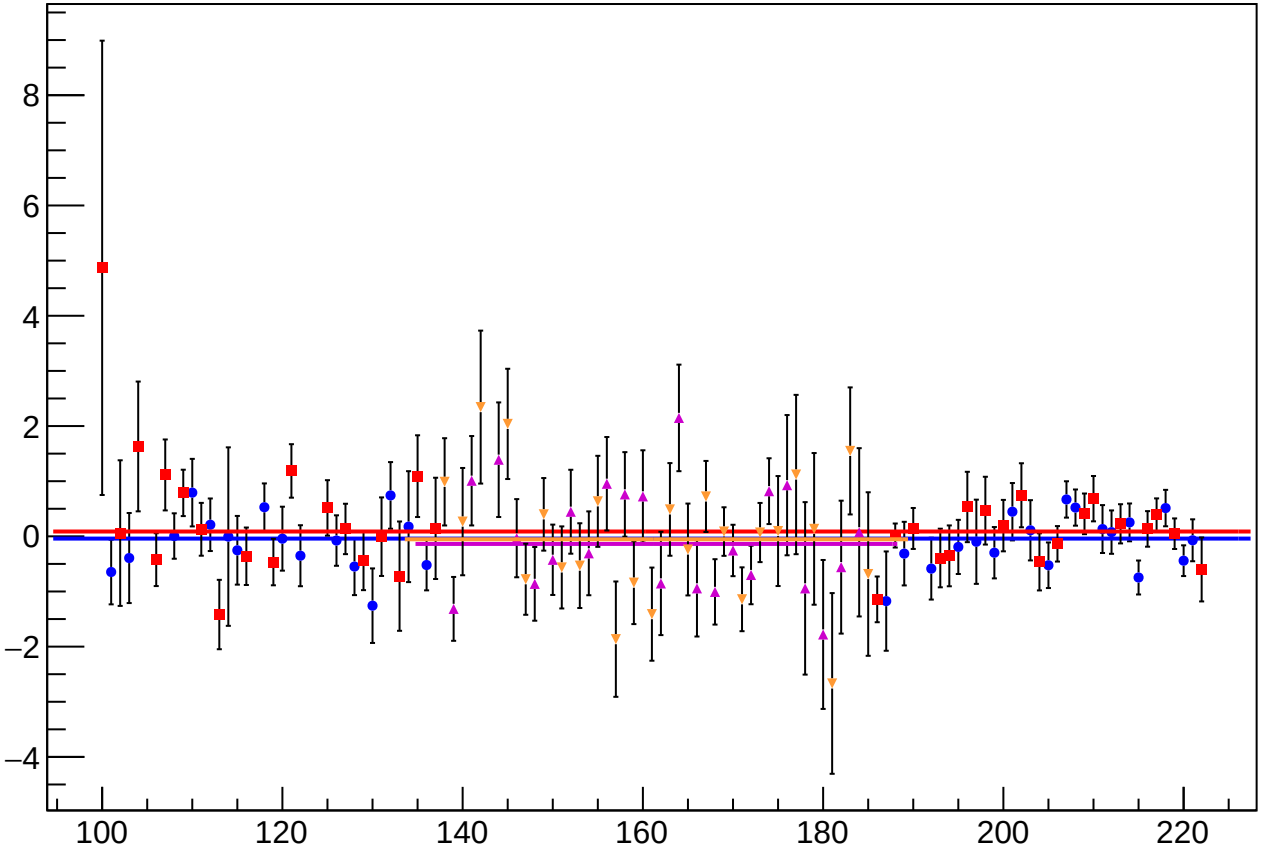
Right: 0.009+/-0.000 χ^2/NDF: 35810254.7/69

In: 0.010+/-0.000 χ^2/NDF:28290571.6/56

Out: 0.010+/-0.000 χ^2/NDF:28511533.4/59

All: 0.010+/-0.000 χ^2/NDF: 56807705.9/116

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: 0.088+/-0.075 χ^2/NDF: 46.8/35

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

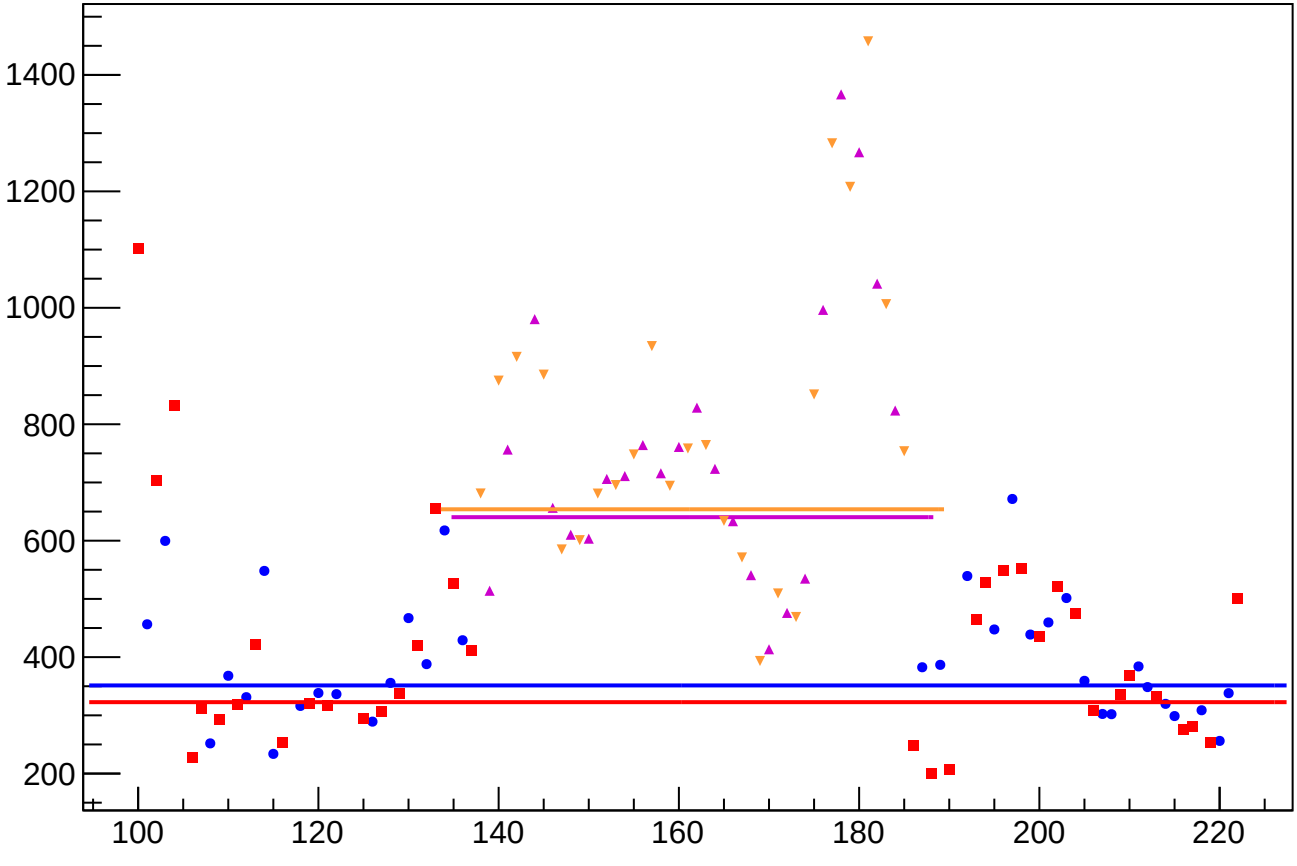
Right: 0.027+/-0.054 χ^2/NDF: 85.0/69

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.063+/-0.068 χ^2/NDF:77.6/59

All: 0.004+/-0.049 χ^2/NDF: 146.2/116

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: 322.652+/-0.053 χ^2/NDF: 4027533.3/35

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

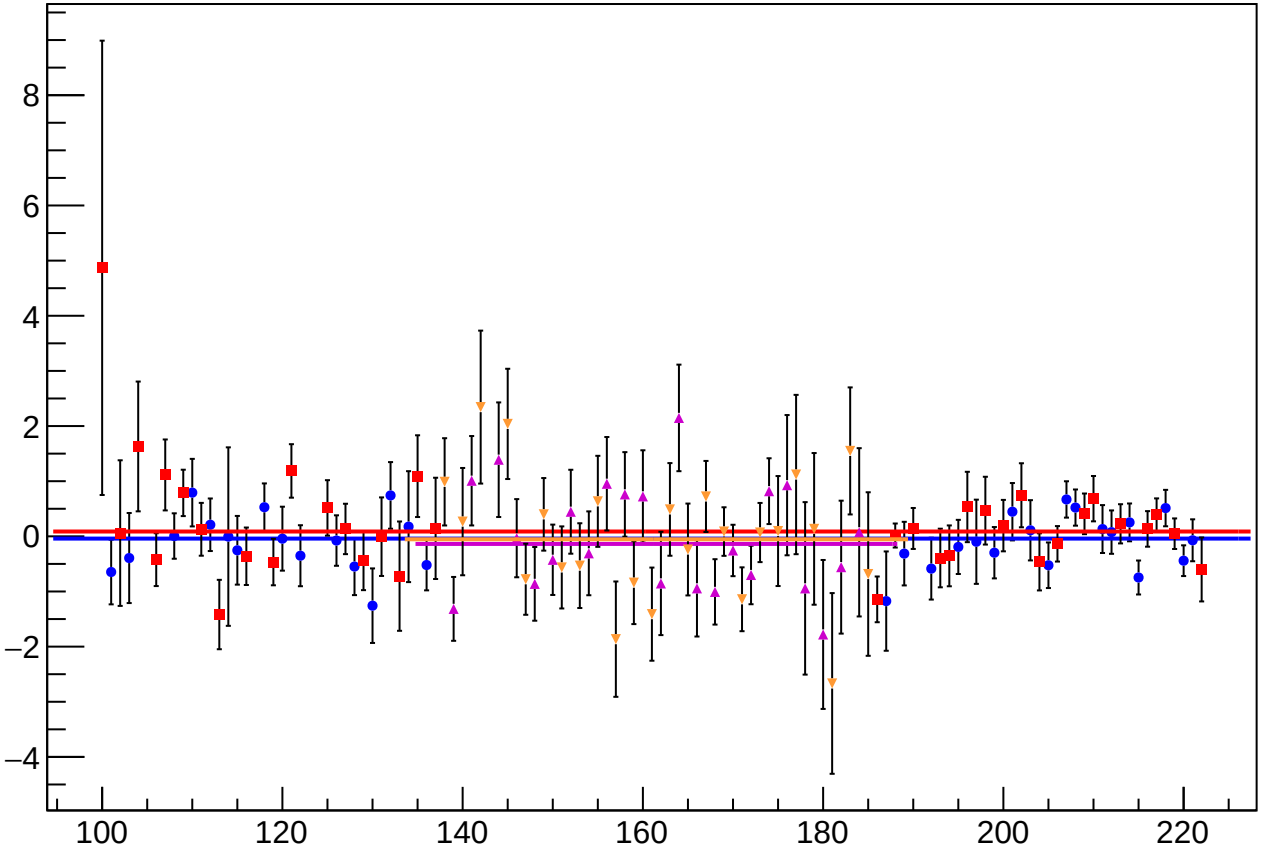
Right: 336.270+/-0.038 χ^2/NDF: 6371425.9/69

In: 409.285+/-0.050 χ^2/NDF:10213217.1/56

Out: 381.538+/-0.048 χ^2/NDF:14086503.1/59

All: 394.883+/-0.035 χ^2/NDF: 24459788.6/1

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: 0.088+/-0.075 χ^2/NDF: 46.8/35

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

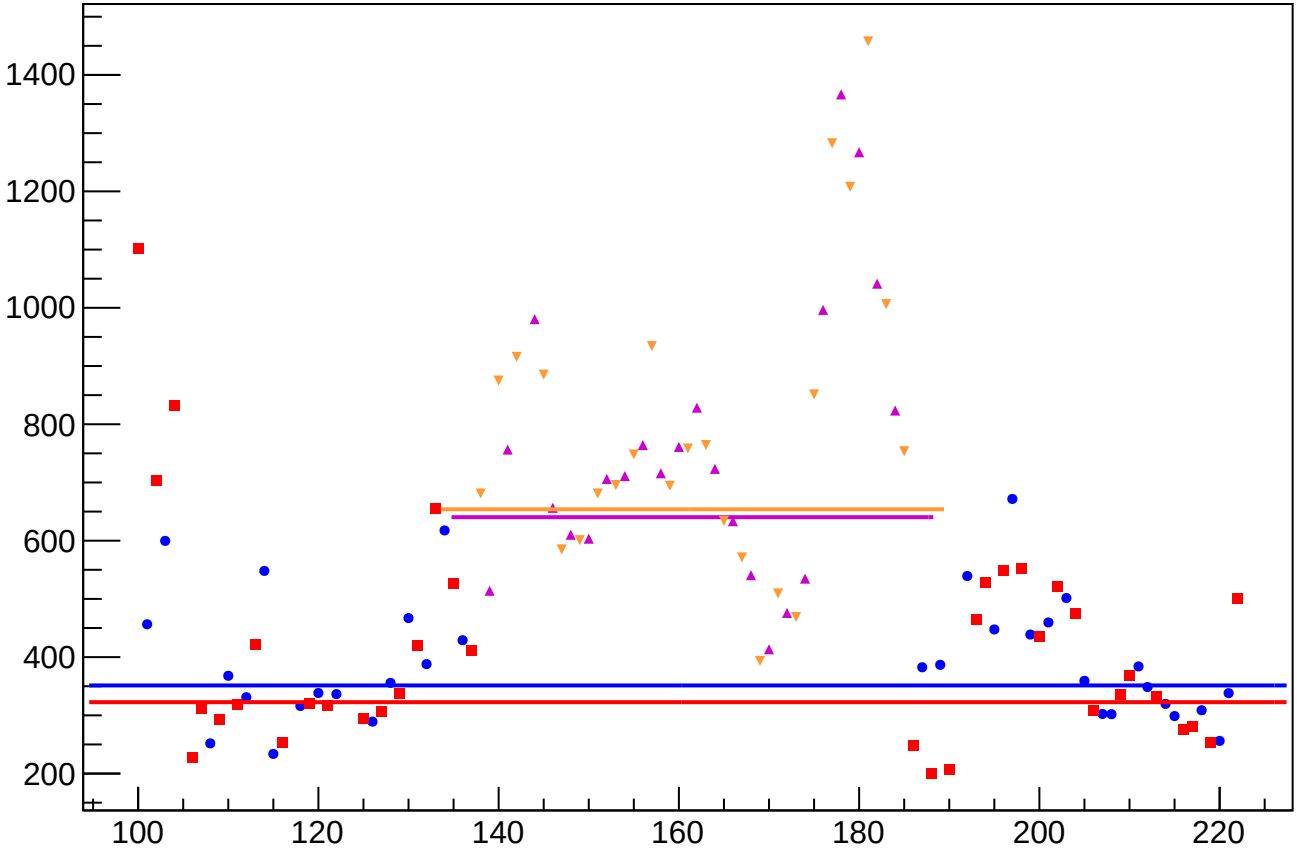
Right: 0.027+/-0.054 χ^2/NDF: 85.0/69

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.063+/-0.068 χ^2/NDF:77.6/59

All: 0.004+/-0.049 χ^2/NDF: 146.2/116

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: 322.652+/-0.053 χ^2/NDF: 4027533.3/35

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

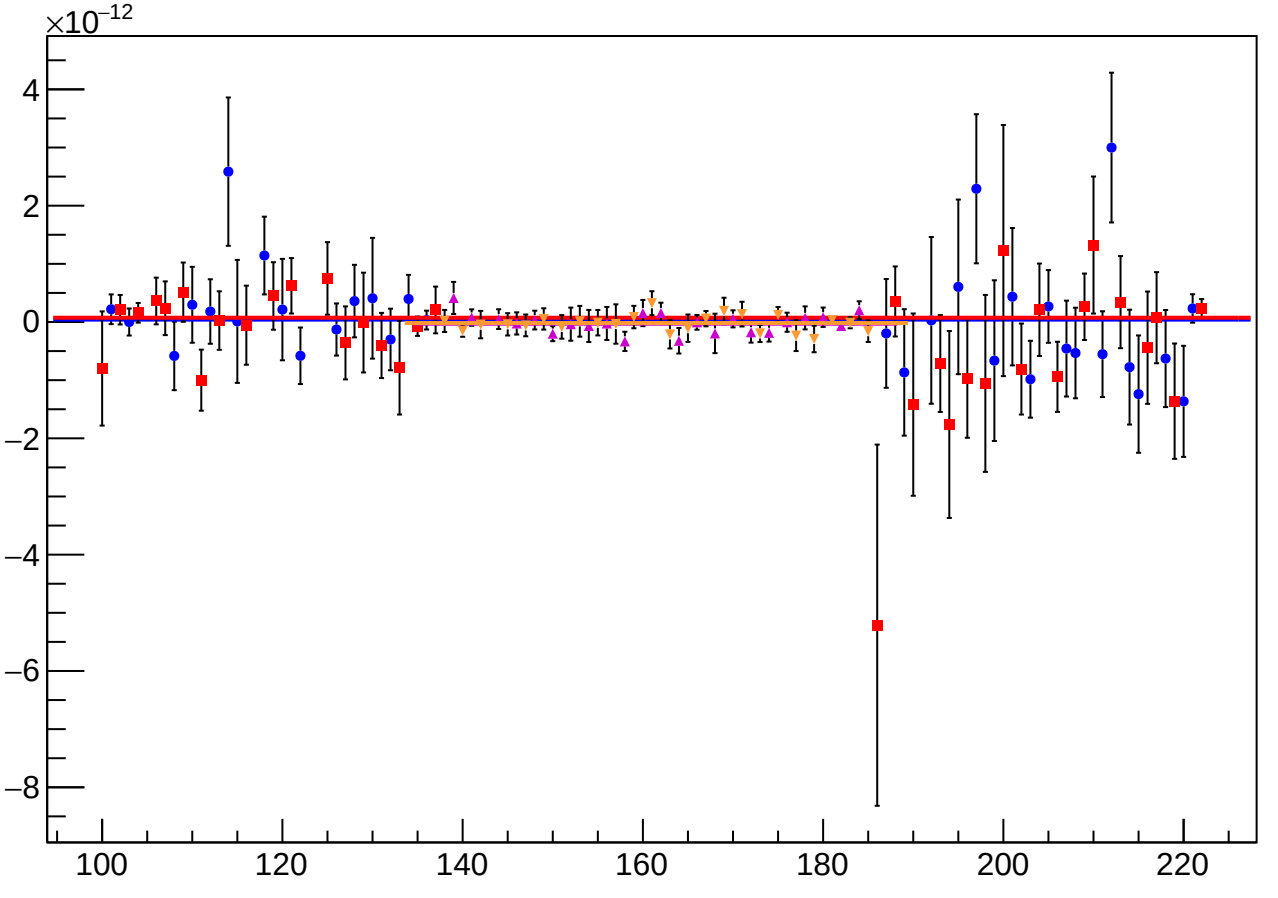
Right: 336.270+/-0.038 χ^2/NDF: 6371425.9/69

In: 409.285+/-0.050 χ^2/NDF:10213217.1/56

Out: 381.538+/-0.048 χ^2/NDF:14086503.1/59

All: 394.883+/-0.035 χ^2/NDF: 24459788.6/1

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: 30.2/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

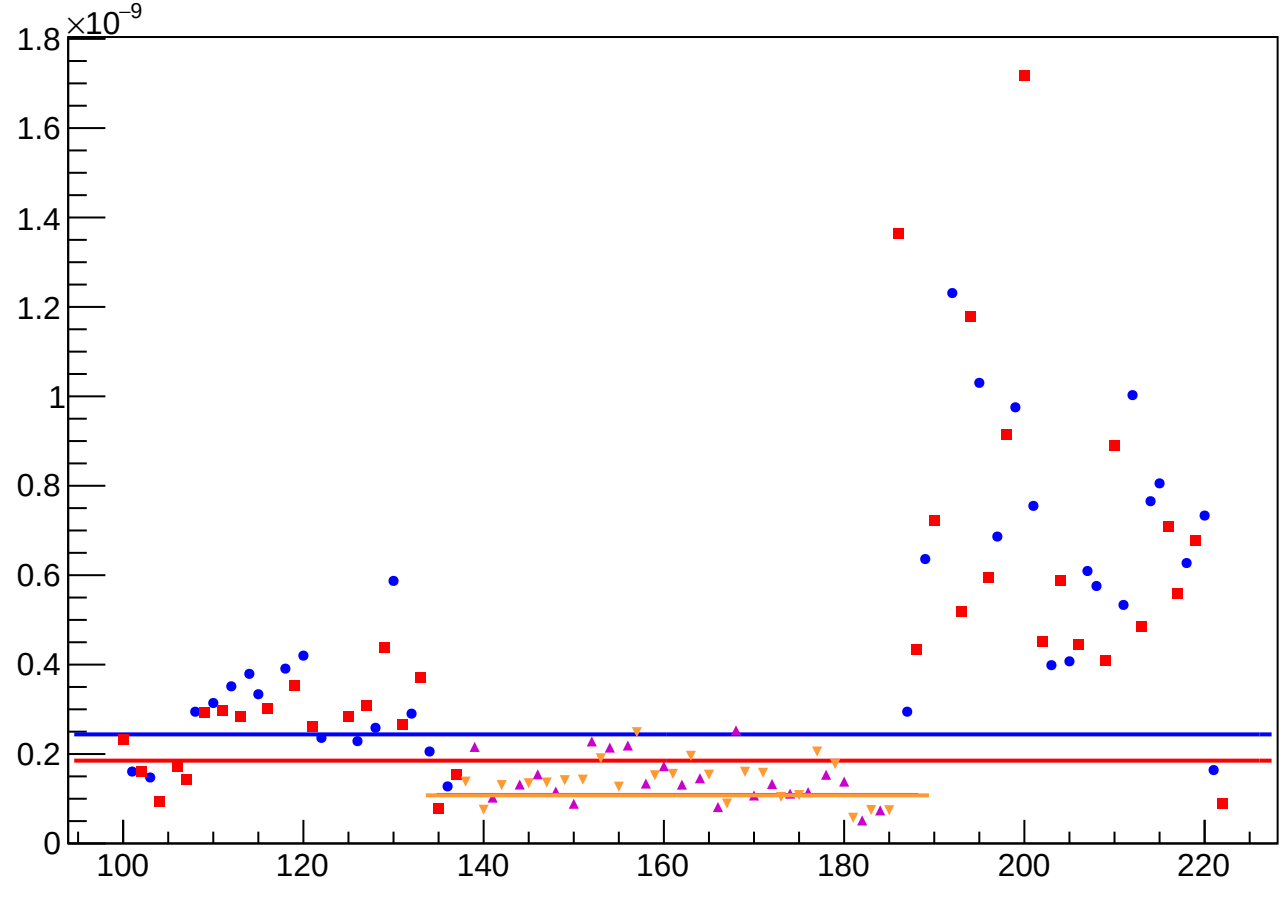
Right: 0.000+/-0.000 χ^2/NDF: 61.6/69

In: -0.000+/-0.000 χ^2/NDF:49.8/56

Out: -0.000+/-0.000 χ^2/NDF:44.6/59

All: -0.000+/-0.000 χ^2/NDF: 94.6/116

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: 10907119.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

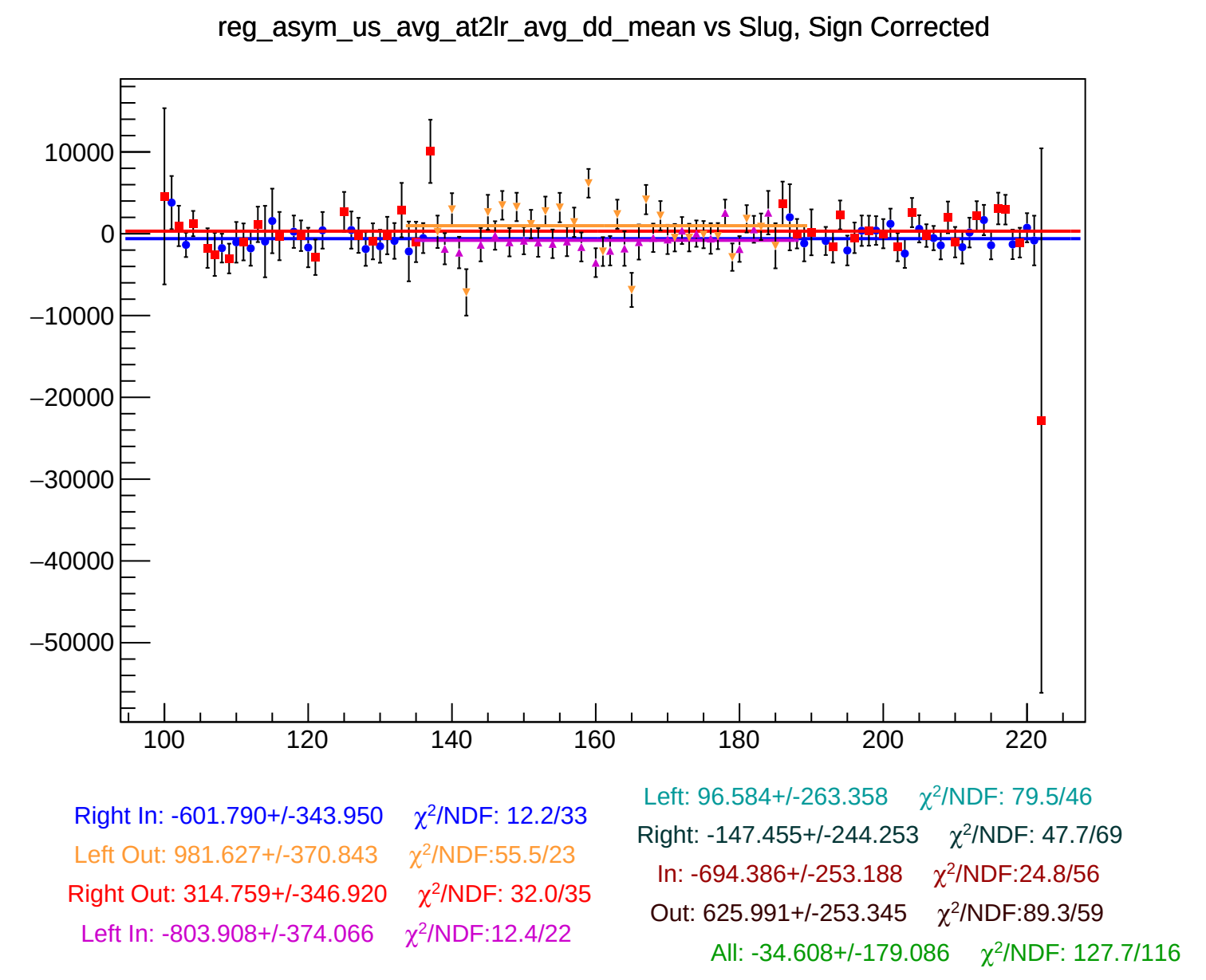
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

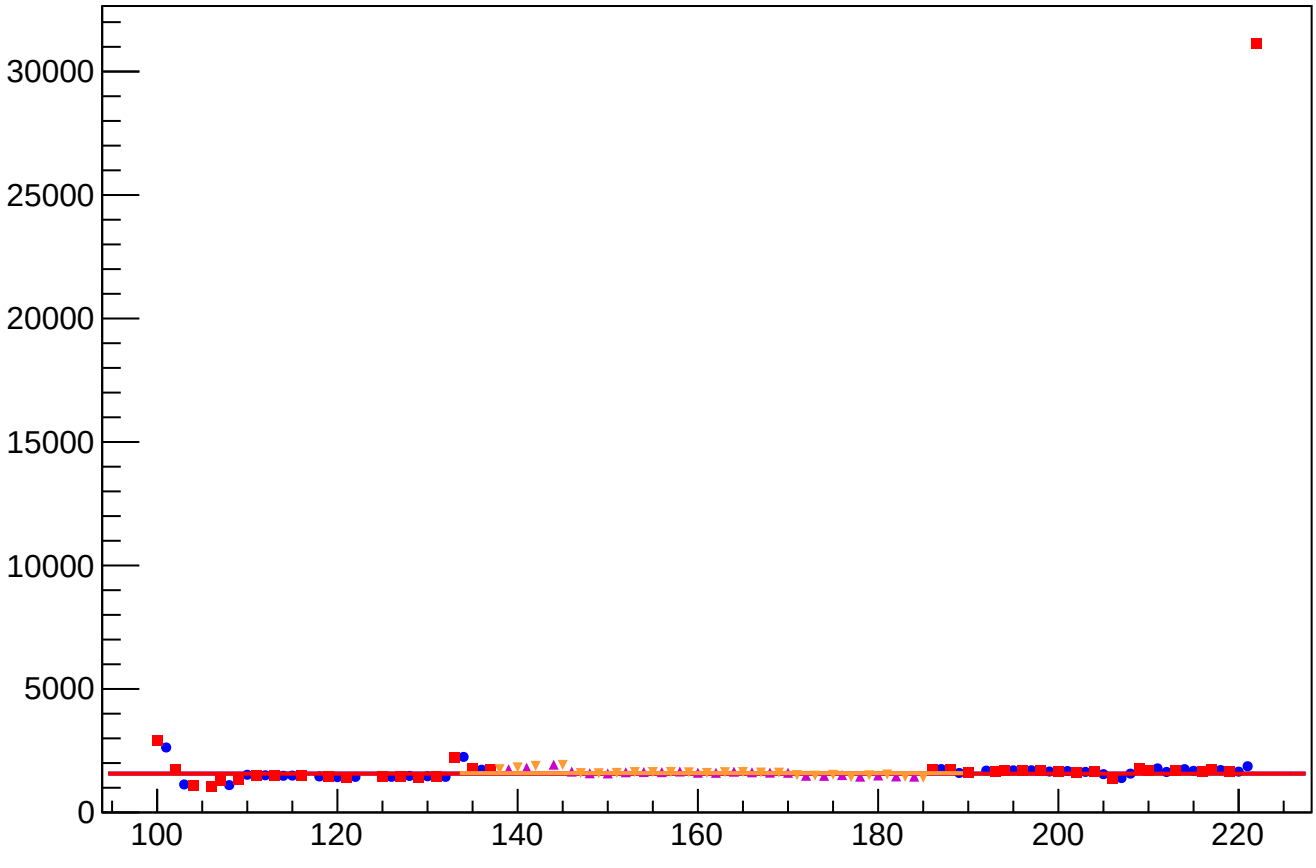
Right: 0.000+/-0.000 χ^2/NDF: 20936883.6/69

In: 0.000+/-0.000 χ^2/NDF:17889596.1/56

Out: 0.000+/-0.000 χ^2/NDF:16334322.5/59

All: 0.000+/-0.000 χ^2/NDF: 34256066.1/116


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: -601.790+/-343.950 χ²/NDF: 12.2/33
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: 314.759+/-346.920 χ²/NDF: 32.0/35
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -147.455+/-244.253 χ²/NDF: 47.7/69
In: -694.386+/-253.188 χ²/NDF:24.8/56
Out: 625.991+/-253.345 χ²/NDF:89.3/59
All: -34.608+/-179.086 χ²/NDF: 127.7/116



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: 1570.565+/-0.245 χ^2/NDF: 2306642.6/35

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

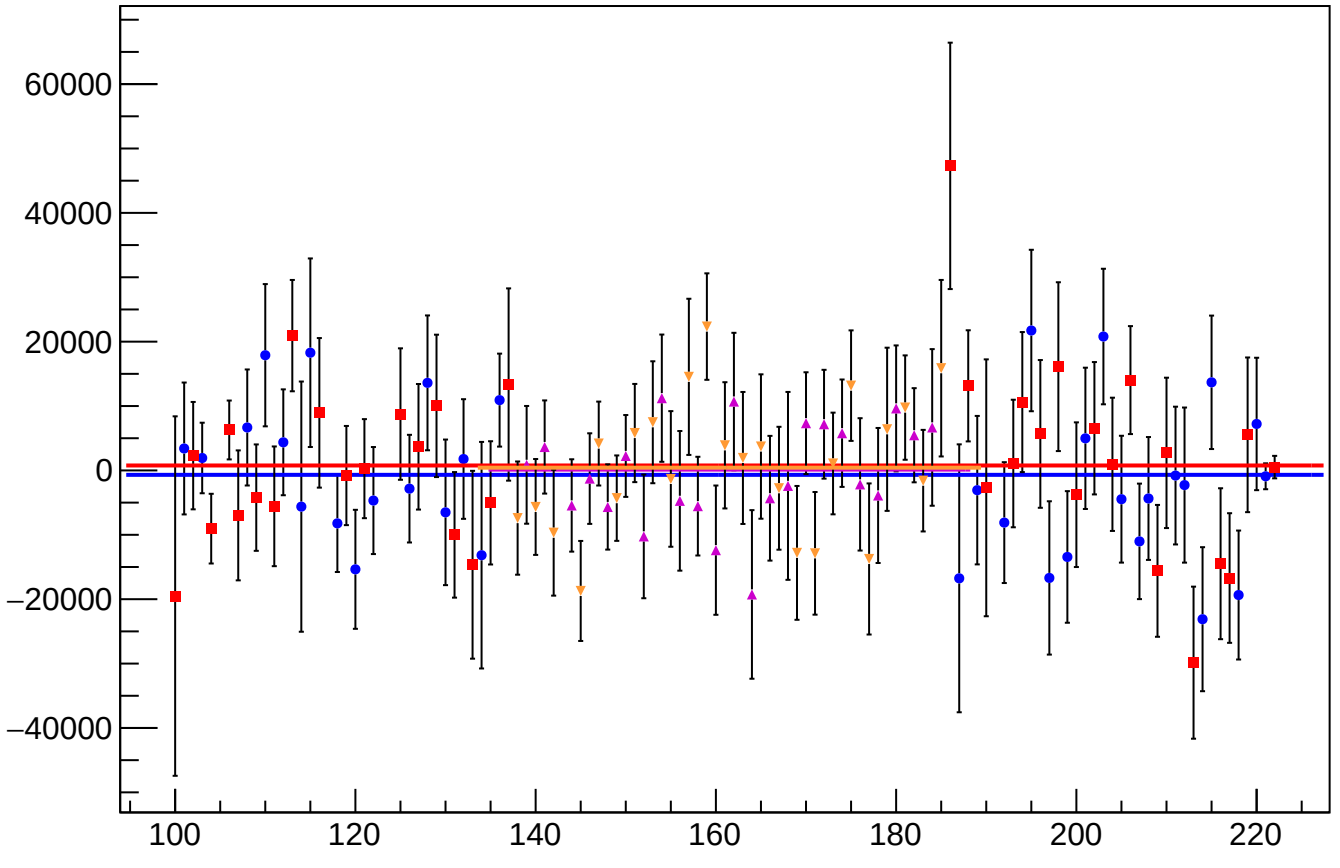
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1573.246+/-0.172 χ^2/NDF: 3131955.2/69

In: 1586.077+/-0.179 χ^2/NDF:998056.5/56

Out: 1581.227+/-0.179 χ^2/NDF:2498340.7/59

All: 1583.649+/-0.127 χ^2/NDF: 3496764.5/11



Right In: -686.563+/-1302.386 χ^2/NDF: 39.0/33

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 768.007+/-1182.623 χ^2/NDF: 45.1/35

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

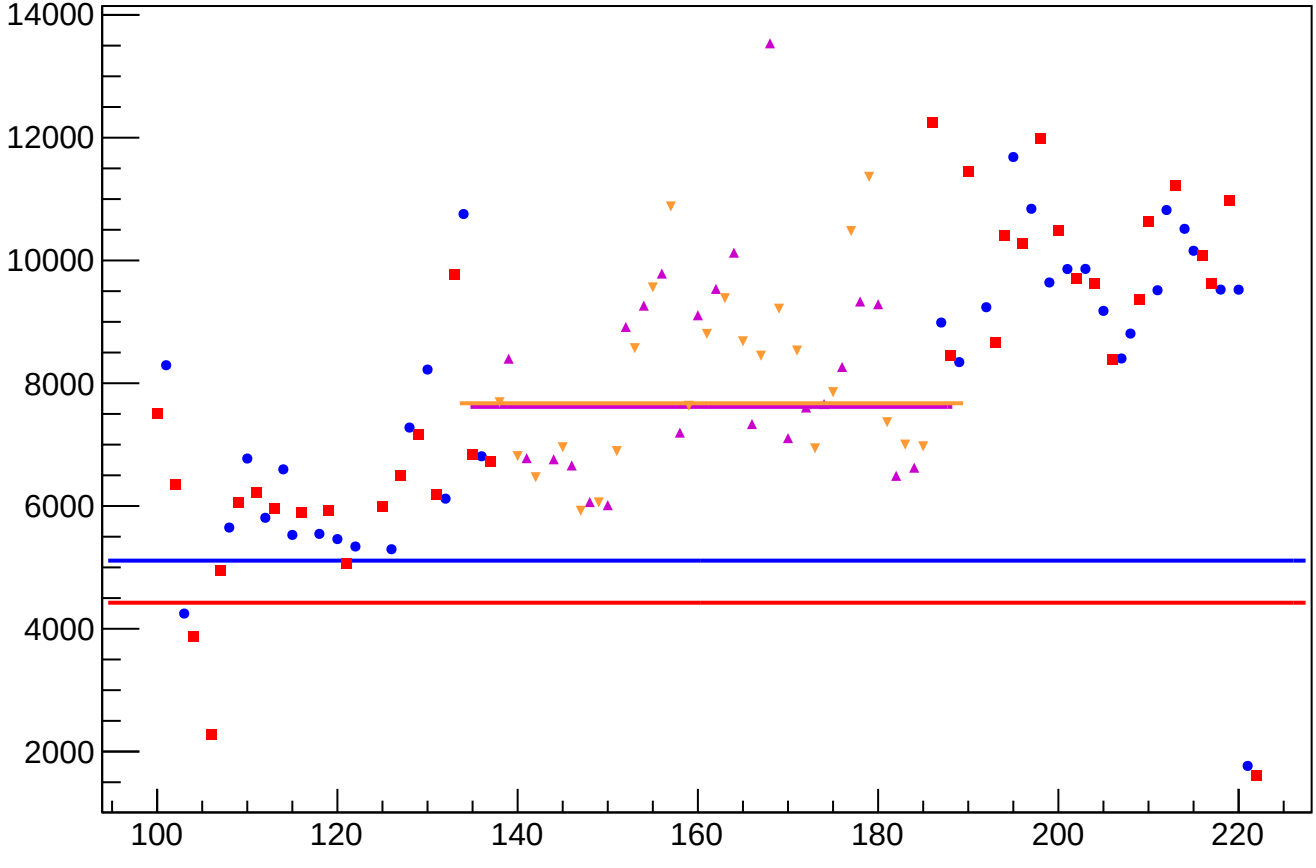
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 110.661+/-875.526 χ^2/NDF: 84.8/69

In: -410.220+/-1058.116 χ^2/NDF:53.0/56

Out: 666.671+/-991.637 χ^2/NDF:74.5/59

All: 163.115+/-723.554 χ^2/NDF: 128.0/116



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: 4424.515+/-0.836 χ^2/NDF: 15447895.9/35

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

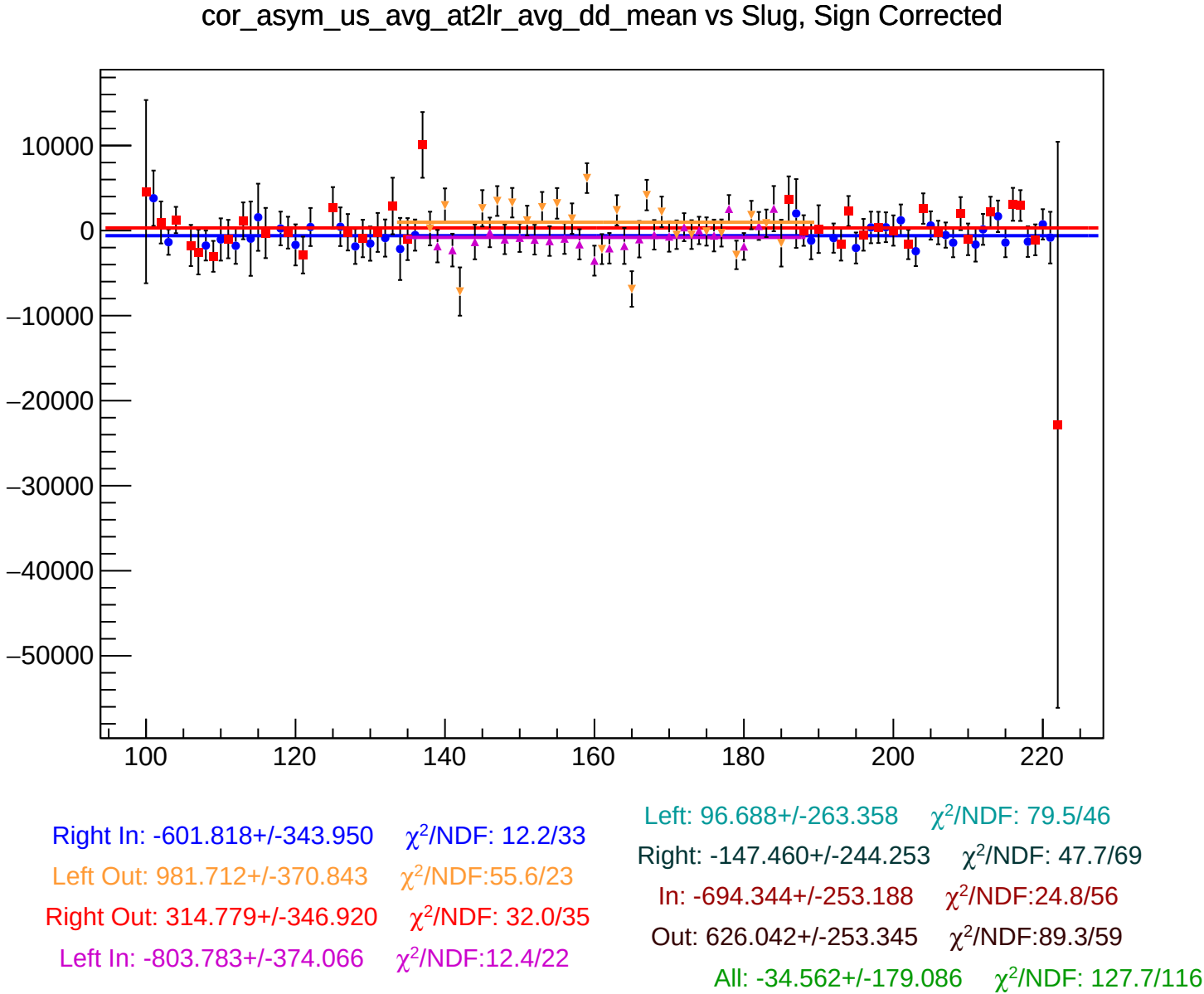
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 4734.439+/-0.619 χ^2/NDF: 28403027.2/69

In: 5961.732+/-0.748 χ^2/NDF:16390161.8/56

Out: 5389.328+/-0.701 χ^2/NDF:21007964.6/59

All: 5656.985+/-0.512 χ^2/NDF: 37709731.9/


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
10000
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−40000
−50000
100
120
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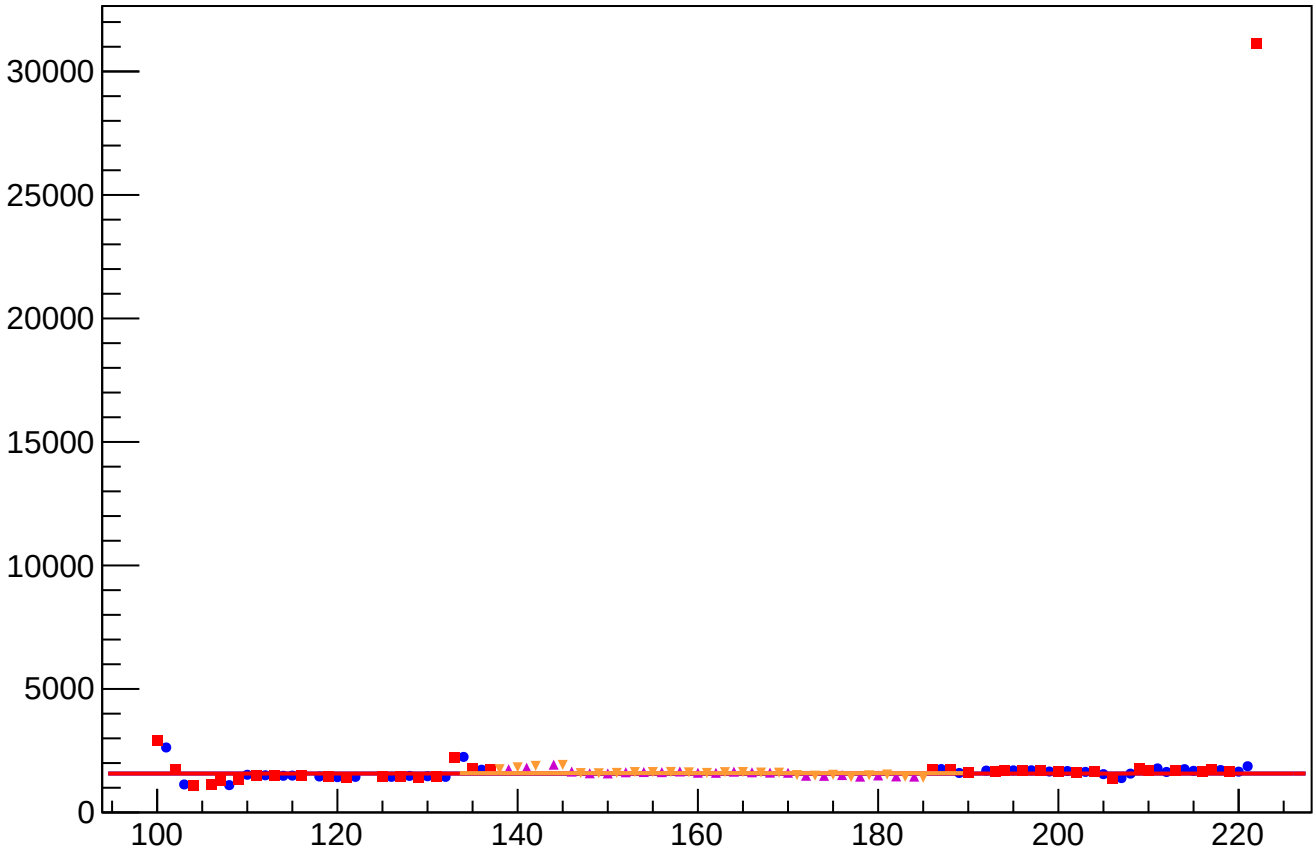
Right In: -601.818+/-343.950 χ²/NDF: 12.2/33
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 314.779+/-346.920 χ²/NDF: 32.0/35
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -147.460+/-244.253 χ²/NDF: 47.7/69
In: -694.344+/-253.188 χ²/NDF:24.8/56
Out: 626.042+/-253.345 χ²/NDF:89.3/59
All: -34.562+/-179.086 χ²/NDF: 127.7/116



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: 1575.102+/-0.245 χ^2/NDF: 2249035.1/35

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

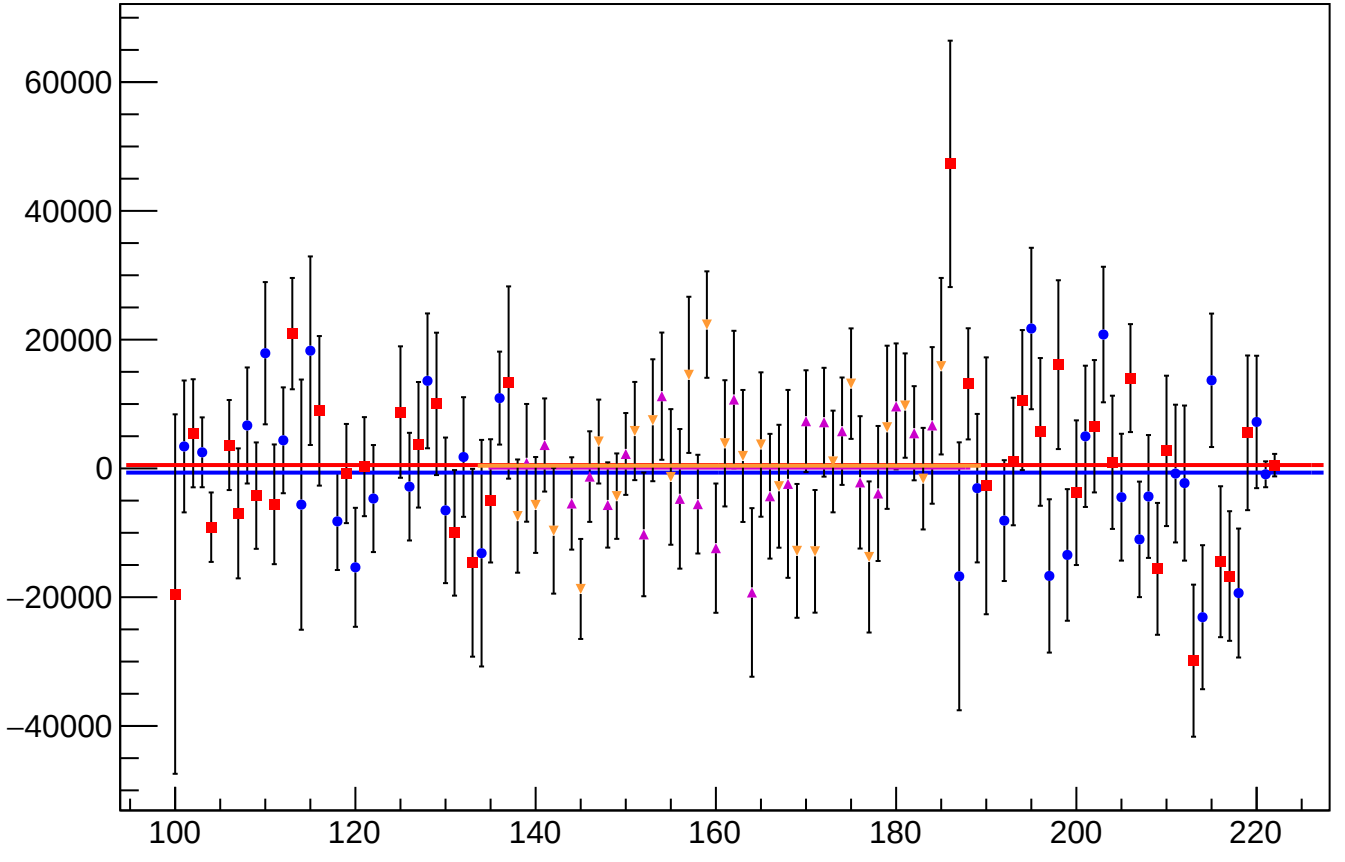
Right: 1575.502+/-0.173 χ^2/NDF: 3074114.6/69

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1583.672+/-0.179 χ^2/NDF:2439271.1/59

All: 1584.874+/-0.127 χ^2/NDF: 3437418.3/11

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: 523.479+/-1205.932 χ^2/NDF: 44.1/35

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

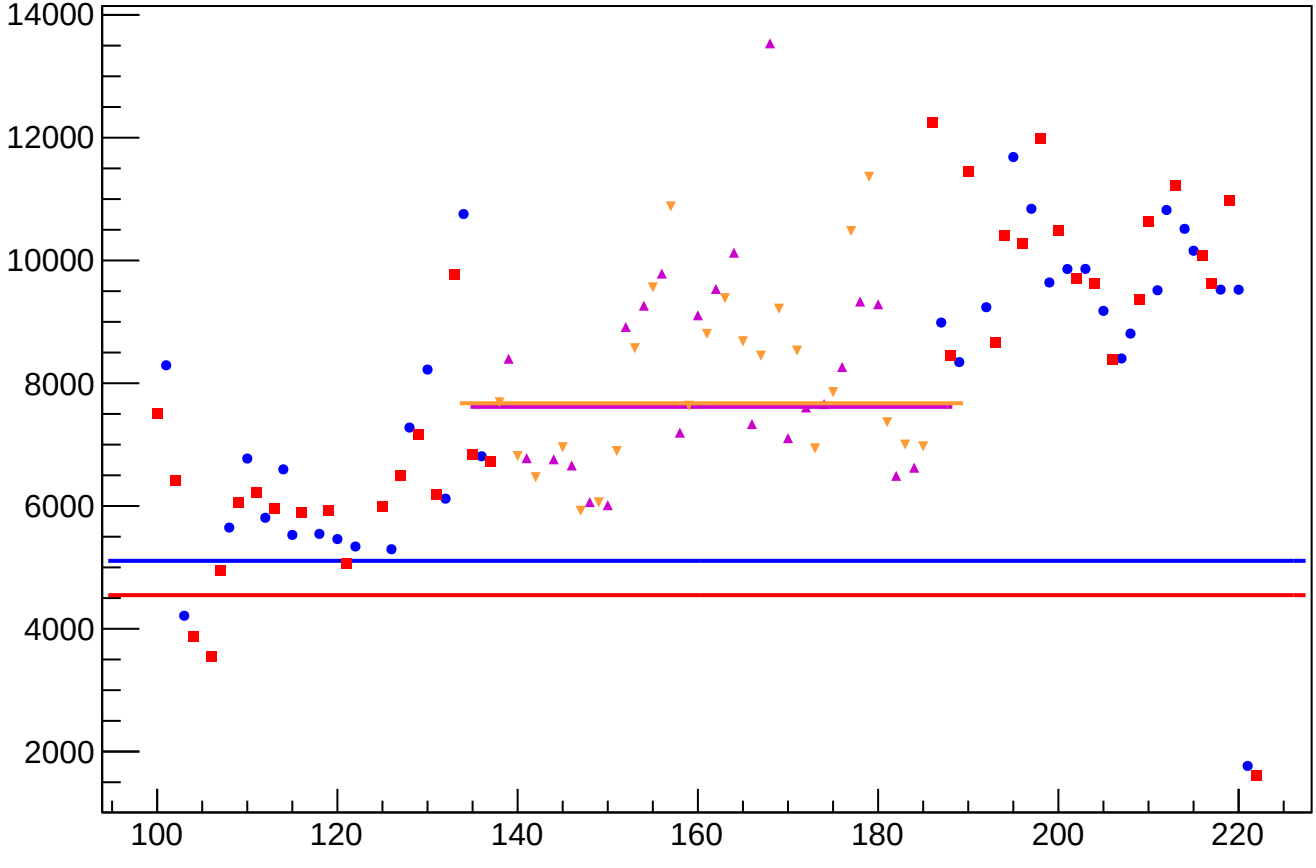
Right: -19.079+/-884.608 χ^2/NDF: 83.7/69

In: -387.037+/-1057.686 χ^2/NDF:53.1/56

Out: 493.950+/-1005.259 χ^2/NDF:73.5/59

All: 75.831+/-728.655 χ^2/NDF: 127.0/116

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: 4548.078+/-0.853 χ^2/NDF: 15021457.8/35

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

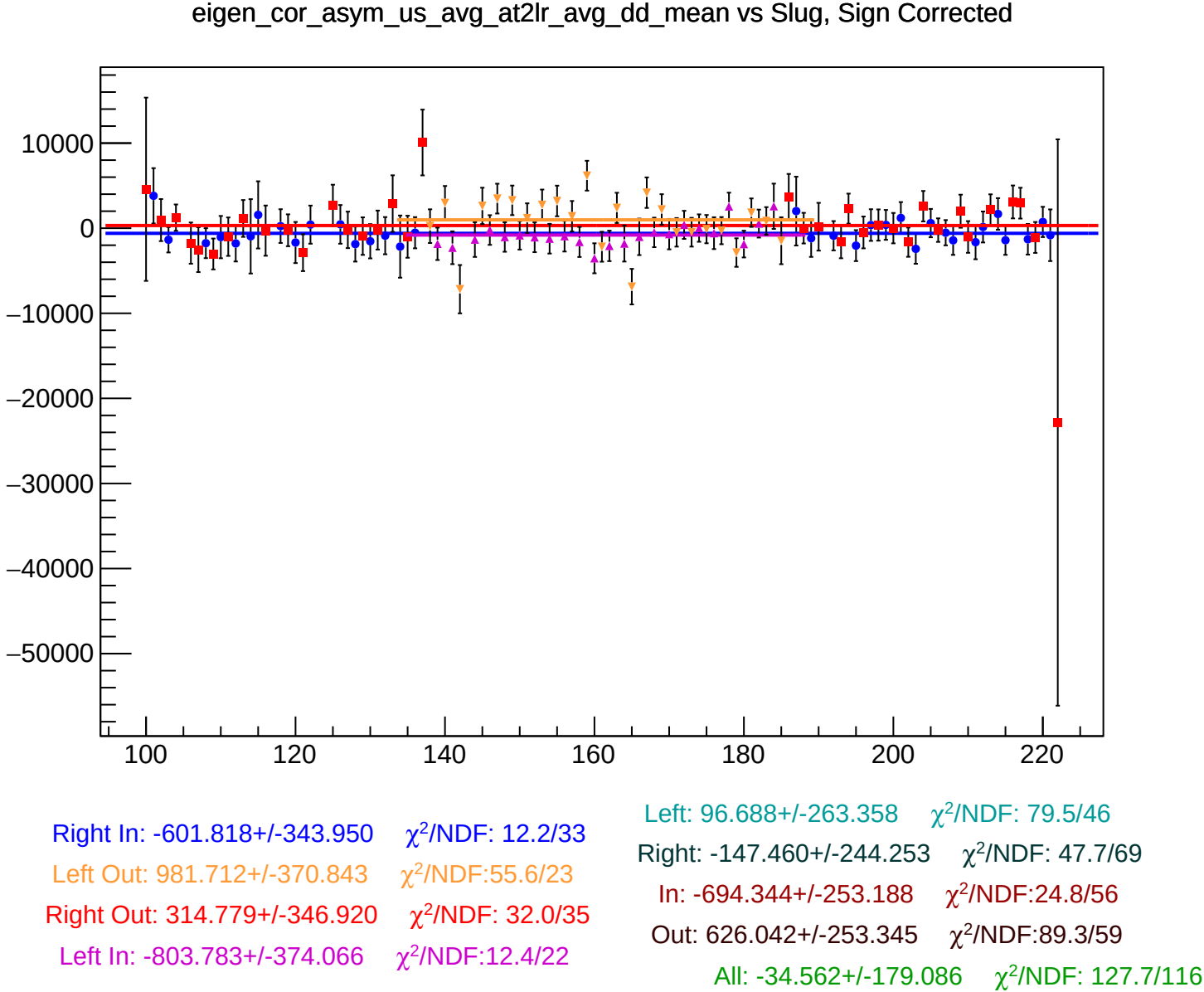
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 4806.118+/-0.626 χ^2/NDF: 27878973.7/69

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 5501.879+/-0.711 χ^2/NDF:20198590.8/59

All: 5718.670+/-0.515 χ^2/NDF: 36801093.4/


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
10000
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−20000
−30000
−40000
−50000
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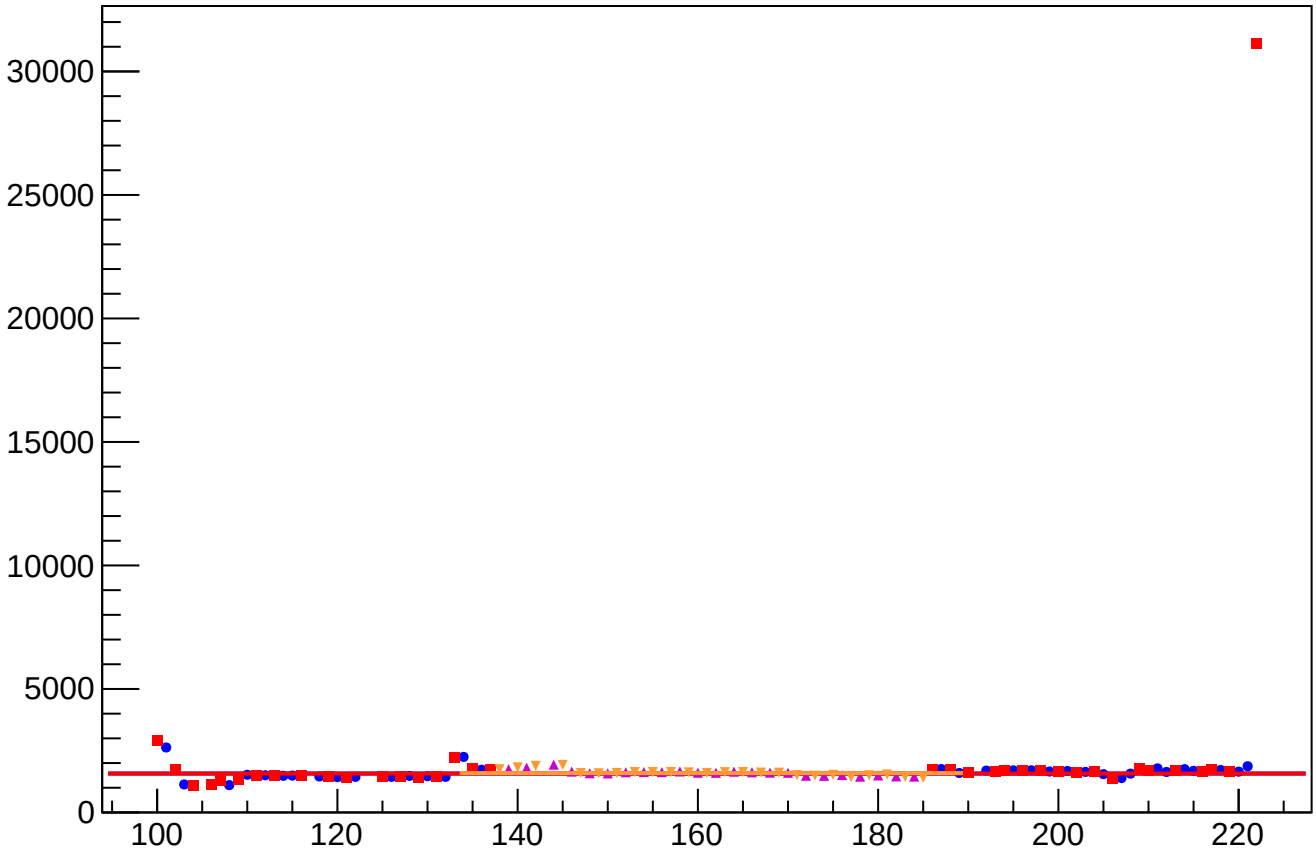
160
180
200
220
Right In: -601.818+/-343.950 χ²/NDF: 12.2/33
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 314.779+/-346.920 χ²/NDF: 32.0/35
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -147.460+/-244.253 χ²/NDF: 47.7/69
In: -694.344+/-253.188 χ²/NDF:24.8/56
Out: 626.042+/-253.345 χ²/NDF:89.3/59
All: -34.562+/-179.086 χ²/NDF: 127.7/116



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: 1575.102+/-0.245 χ^2/NDF: 2249035.1/35

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

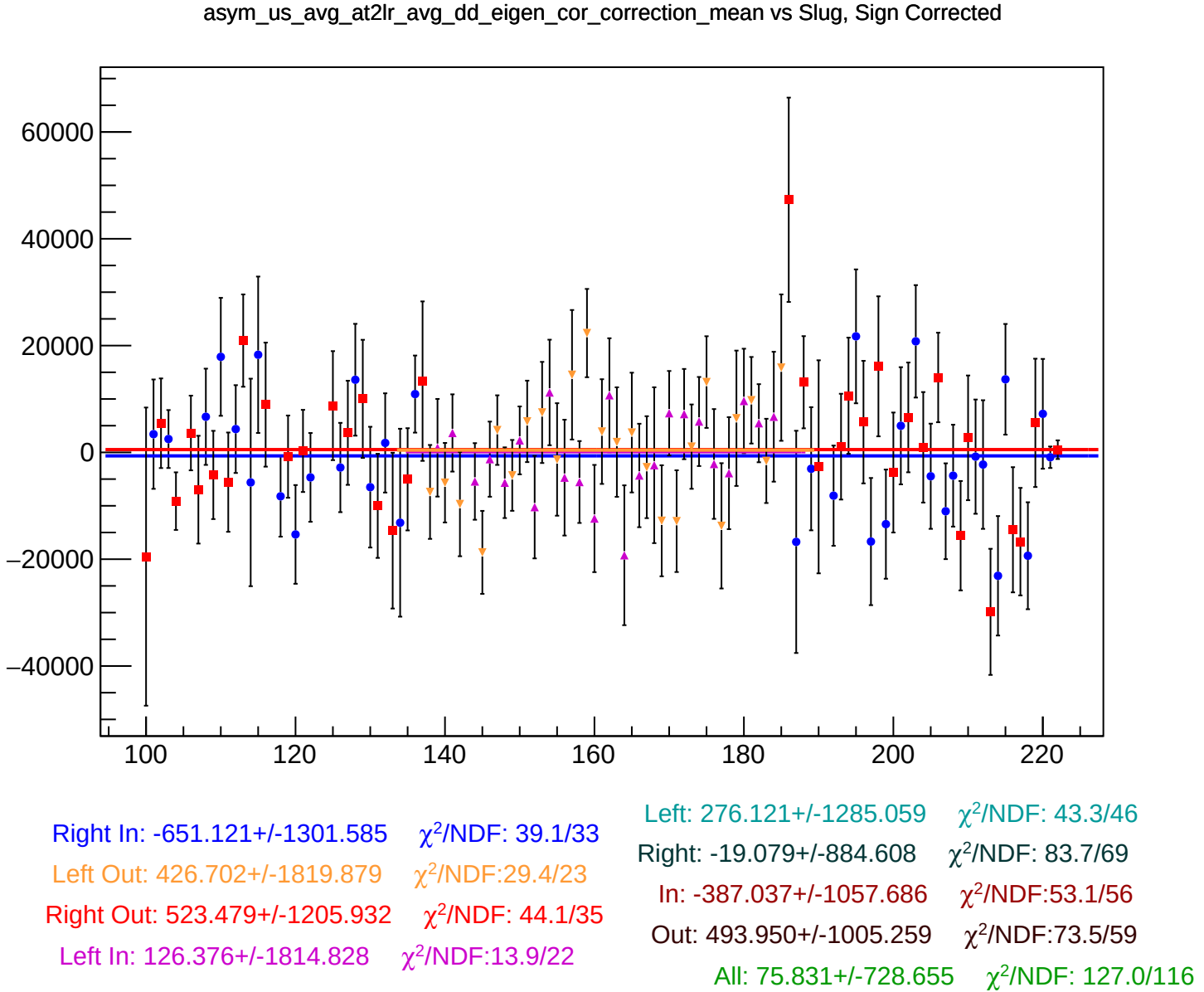
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1575.502+/-0.173 χ^2/NDF: 3074114.6/69

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1583.672+/-0.179 χ^2/NDF:2439271.1/59

All: 1584.874+/-0.127 χ^2/NDF: 3437418.3/11


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
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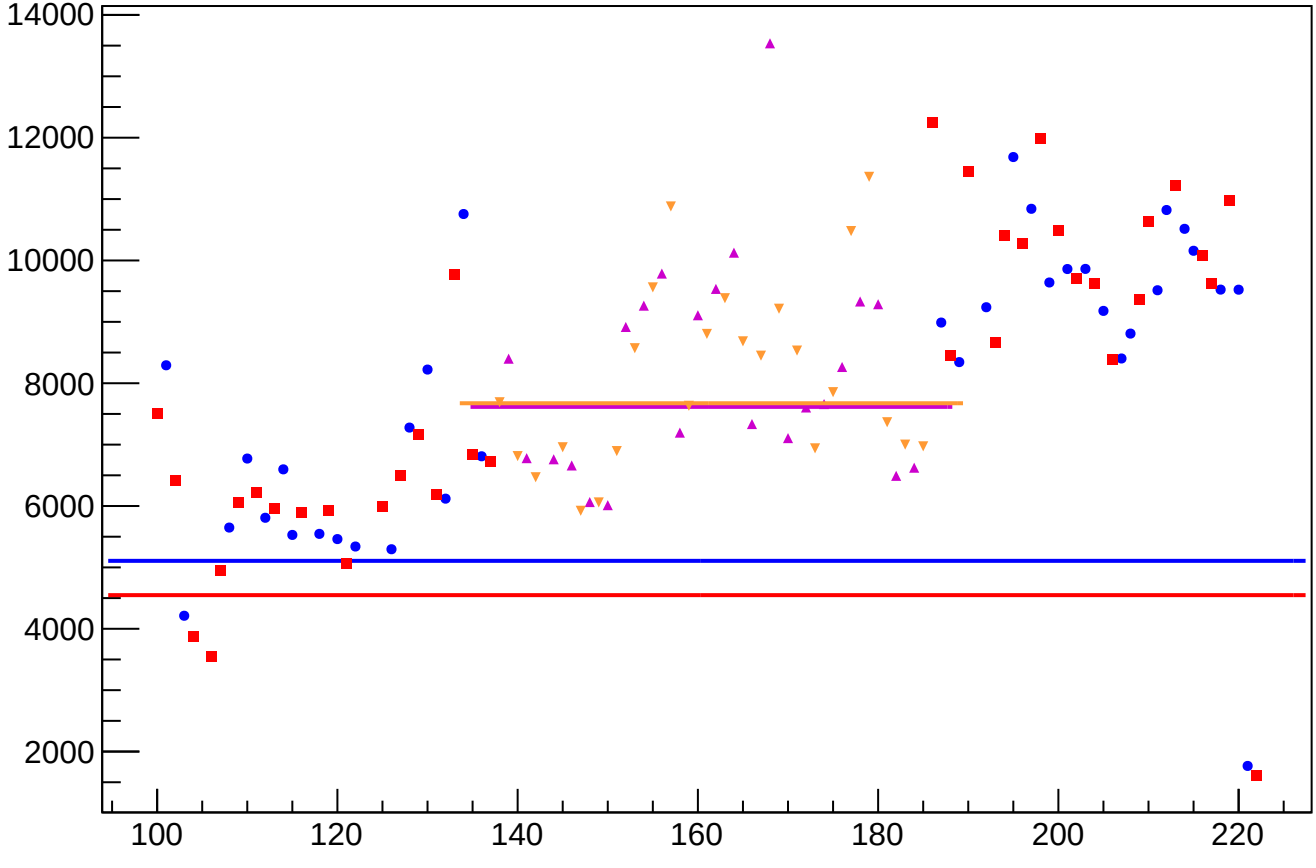
0
−20000
−40000
100
120
140
160
180
200
220
Right In: -651.121+/-1301.585 χ²/NDF: 39.1/33
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 523.479+/-1205.932 χ²/NDF: 44.1/35
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: -19.079+/-884.608 χ²/NDF: 83.7/69
In: -387.037+/-1057.686 χ²/NDF:53.1/56
Out: 493.950+/-1005.259 χ²/NDF:73.5/59
All: 75.831+/-728.655 χ²/NDF: 127.0/116

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5106.716+/-0.920 χ^2/NDF: 12659271.9/33

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 4548.078+/-0.853 χ^2/NDF: 15021457.8/35

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

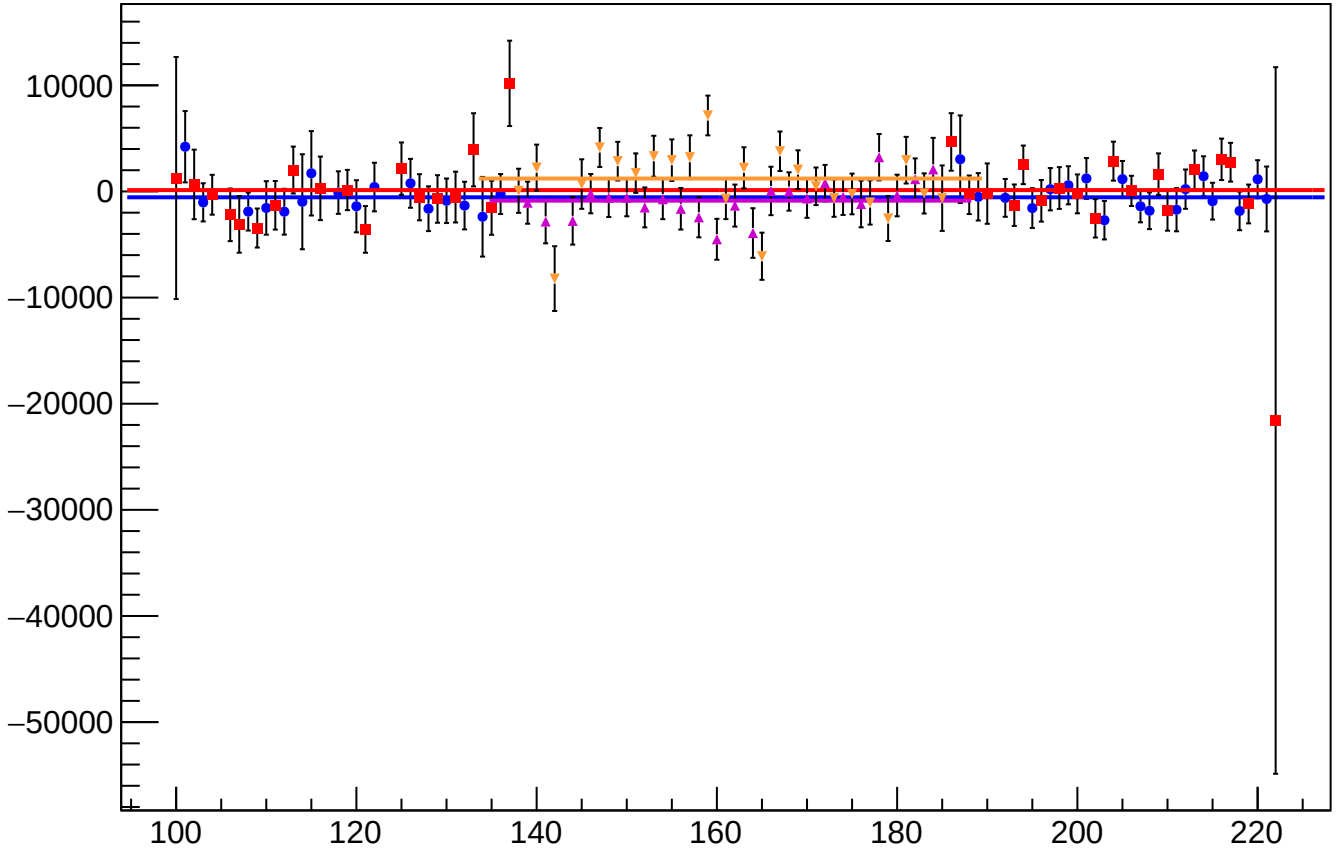
Right: 4806.118+/-0.626 χ^2/NDF: 27878973.7/69

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 5501.879+/-0.711 χ^2/NDF:20198590.8/59

All: 5718.670+/-0.515 χ^2/NDF: 36801093.4/

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



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: 126.778+/-358.829 χ^2/NDF: 36.8/35

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

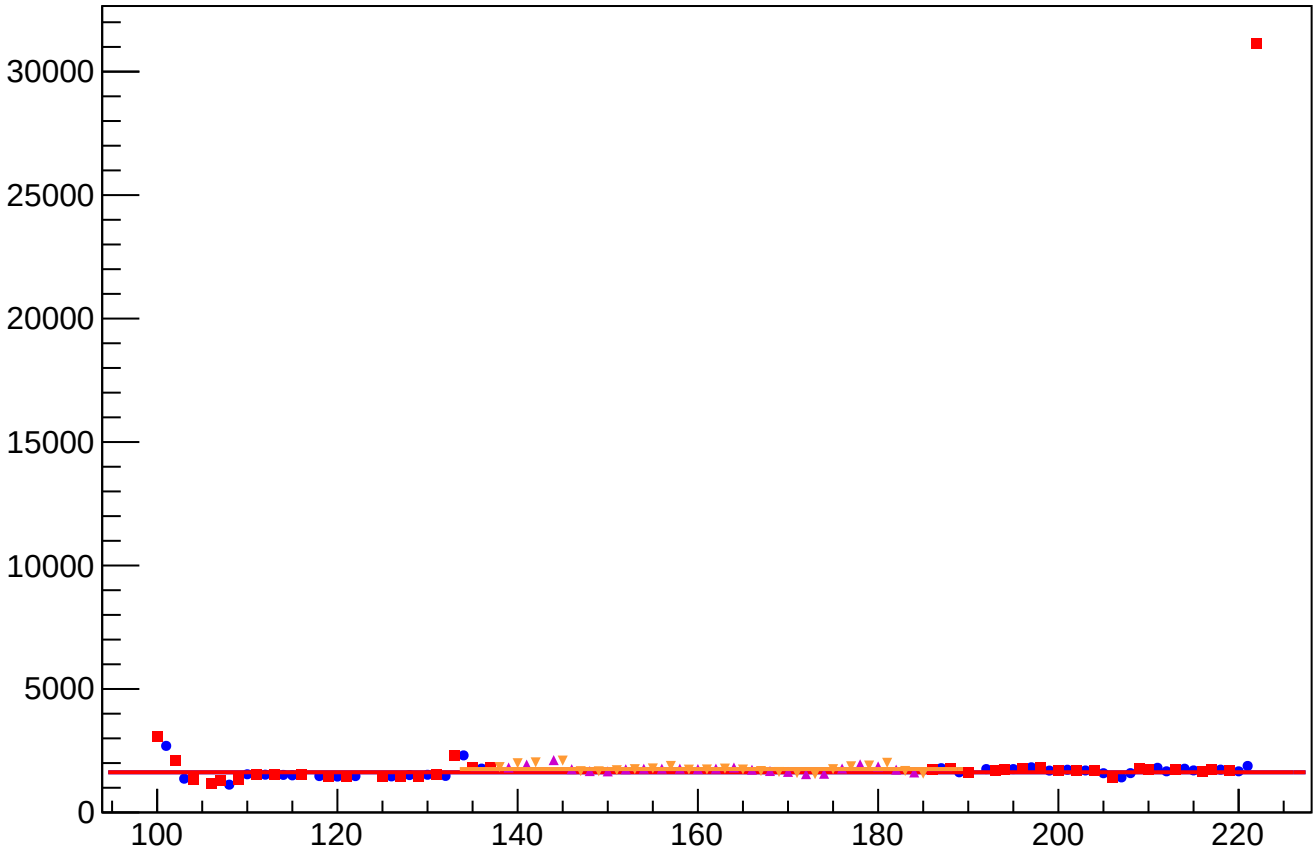
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -216.481+/-252.097 χ^2/NDF: 52.2/69

In: -685.664+/-268.066 χ^2/NDF:29.1/56

Out: 599.475+/-269.902 χ^2/NDF:89.2/59

All: -47.481+/-190.197 χ^2/NDF: 129.8/116



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: 1627.669+/-0.254 χ^2/NDF: 2154309.2/35

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

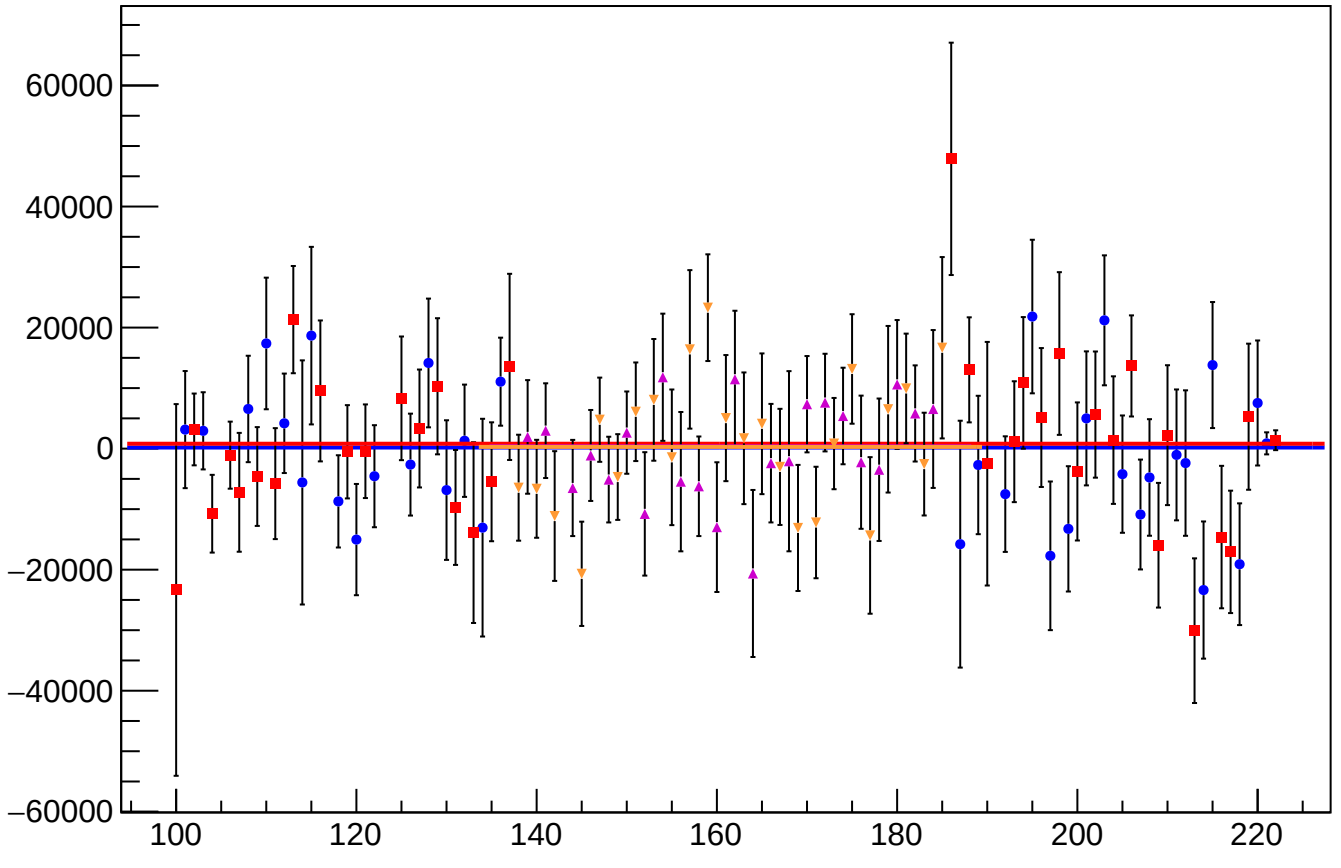
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1626.326+/-0.178 χ^2/NDF: 2853974.4/69

In: 1678.638+/-0.190 χ^2/NDF:978711.6/56

Out: 1684.241+/-0.191 χ^2/NDF:2482113.1/59

All: 1681.421+/-0.134 χ^2/NDF: 3461258.7/11



Right In: 182.112+/-1257.477 χ^2/NDF: 39.1/33

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 808.485+/-1158.146 χ^2/NDF: 43.8/35

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

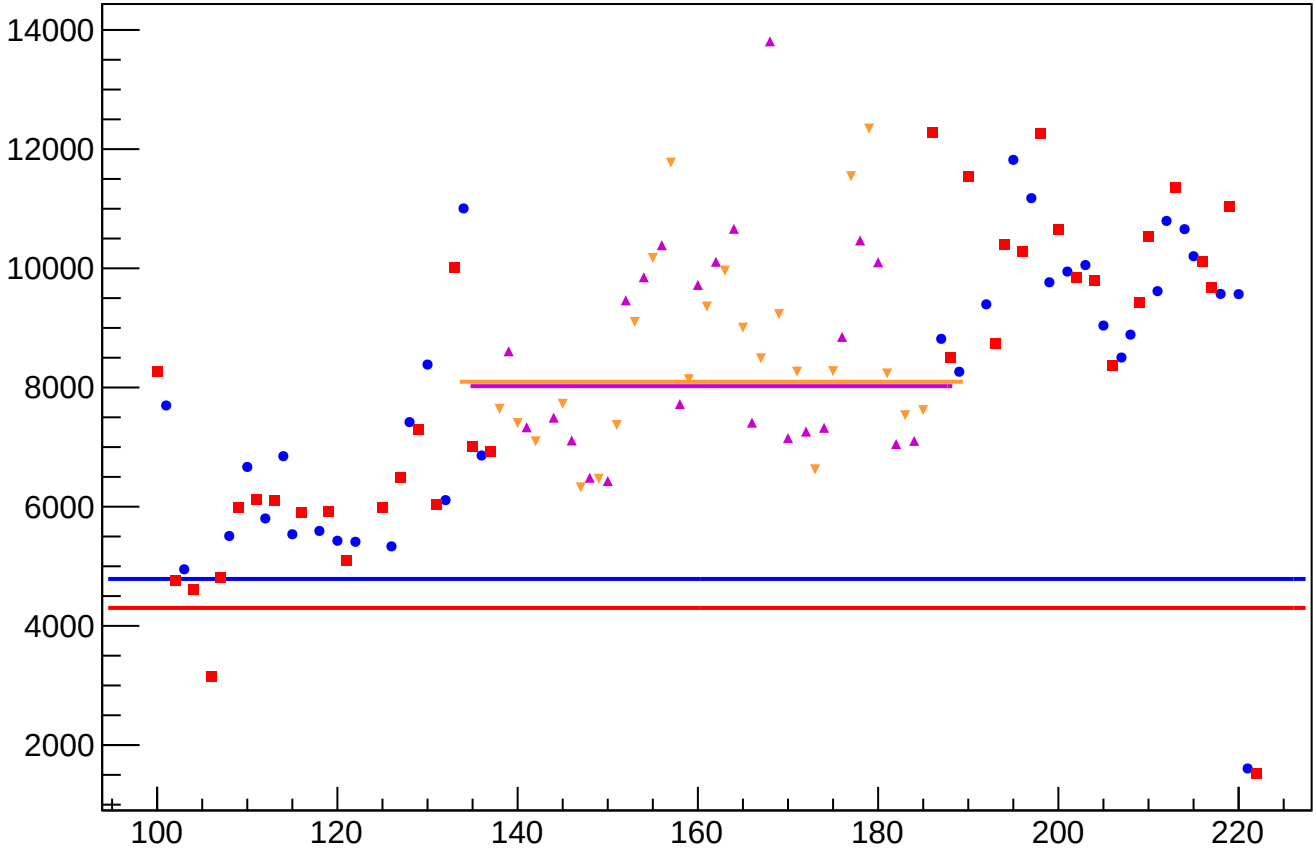
Right: 521.012+/-851.887 χ^2/NDF: 83.0/69

In: 242.648+/-1050.687 χ^2/NDF:52.7/56

Out: 668.823+/-991.717 χ^2/NDF:72.5/59

All: 468.030+/-721.196 χ^2/NDF: 125.3/116

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: 4301.219+/-0.819 χ^2/NDF: 16154103.8/35

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

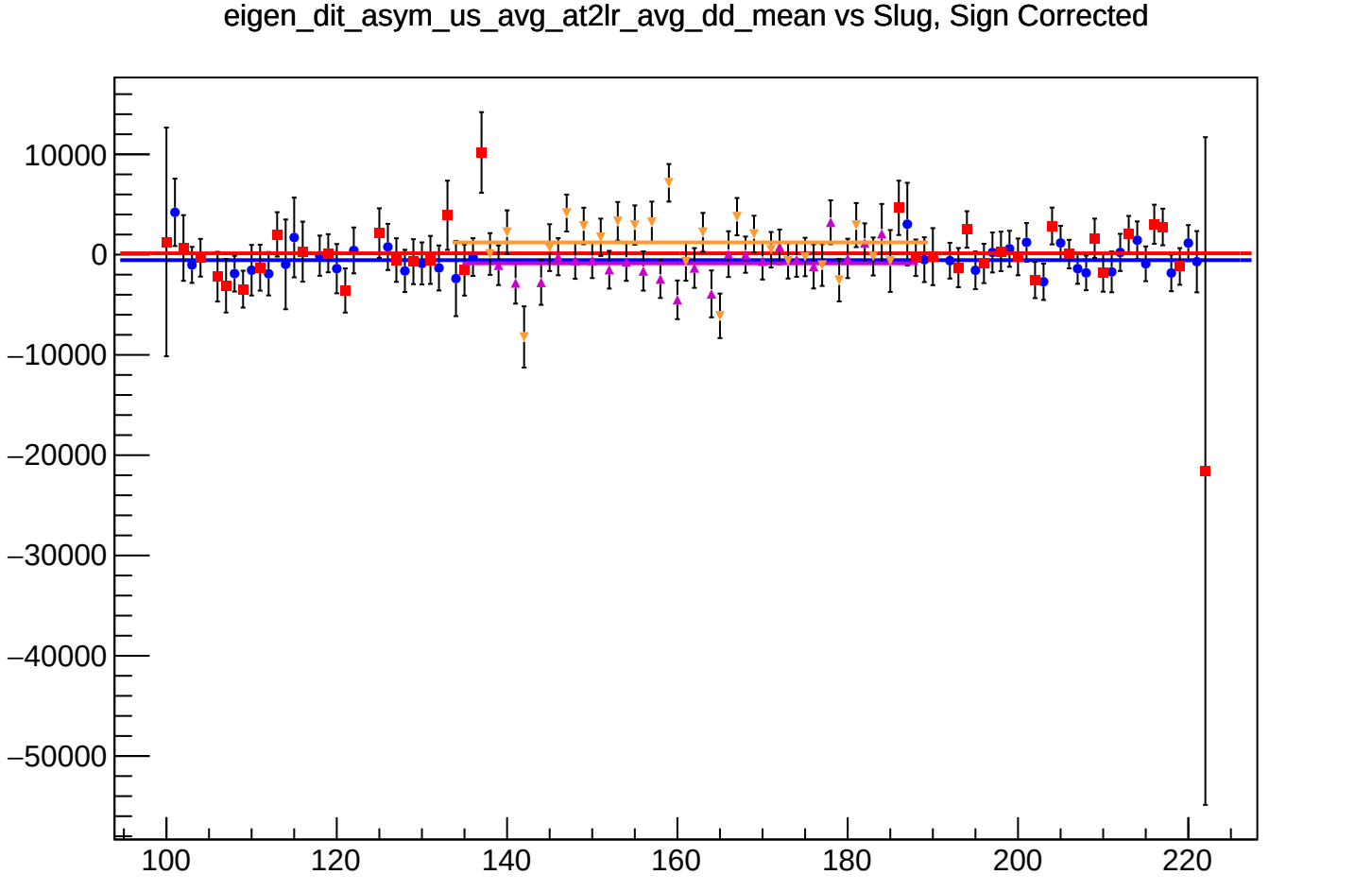
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 4524.325+/-0.602 χ^2/NDF: 30736893.6/69

In: 5763.954+/-0.743 χ^2/NDF:19643098.8/56

Out: 5313.714+/-0.701 χ^2/NDF:22972193.4/59

All: 5525.845+/-0.510 χ^2/NDF: 42809515.8/1



Right In: -551.038+/-354.254 χ^2/NDF: 13.7/33

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 126.779+/-358.829 χ^2/NDF: 36.8/35

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

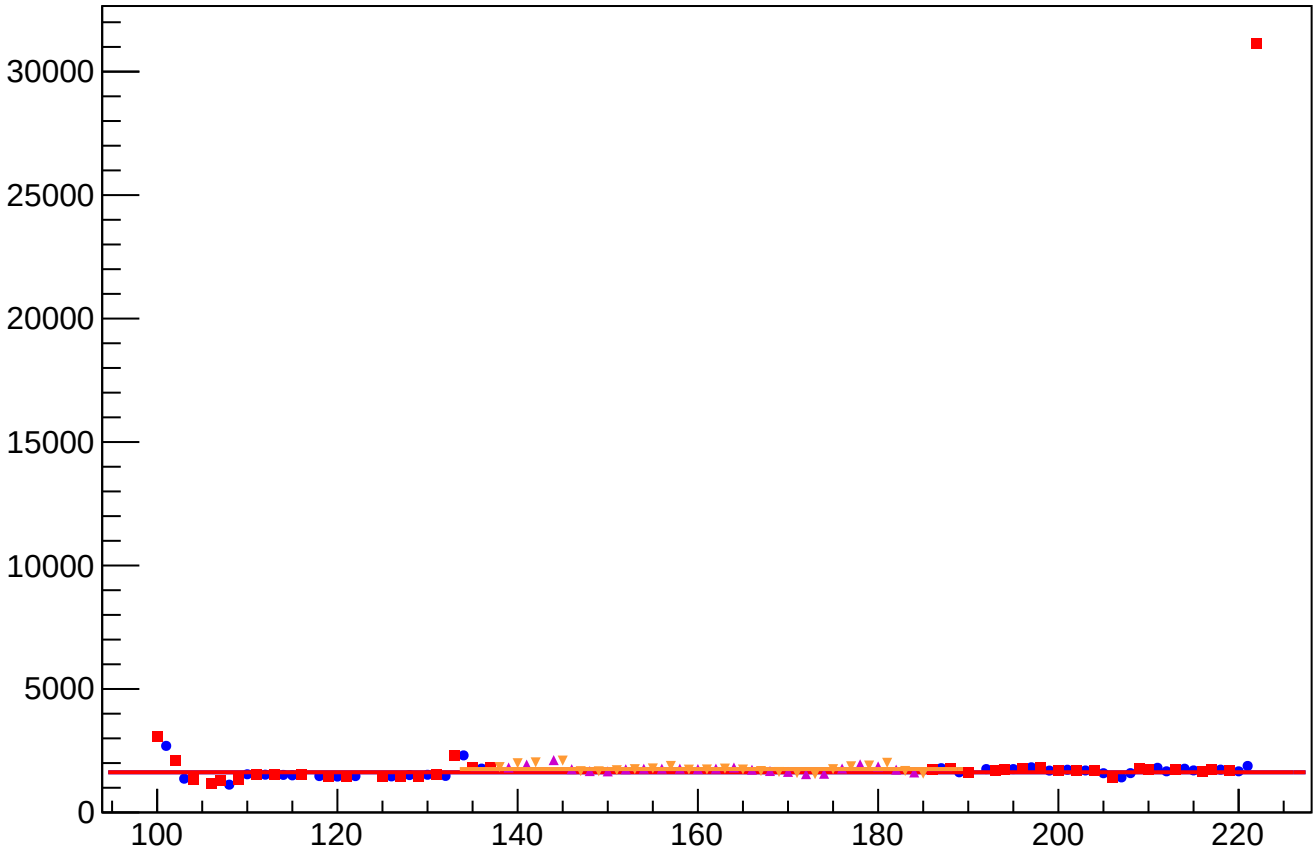
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -216.478+/-252.097 χ^2/NDF: 52.2/69

In: -685.661+/-268.066 χ^2/NDF:29.1/56

Out: 599.478+/-269.902 χ^2/NDF:89.2/59

All: -47.478+/-190.197 χ^2/NDF: 129.7/116



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: 1627.670+/-0.254 χ^2/NDF: 2154310.2/35

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

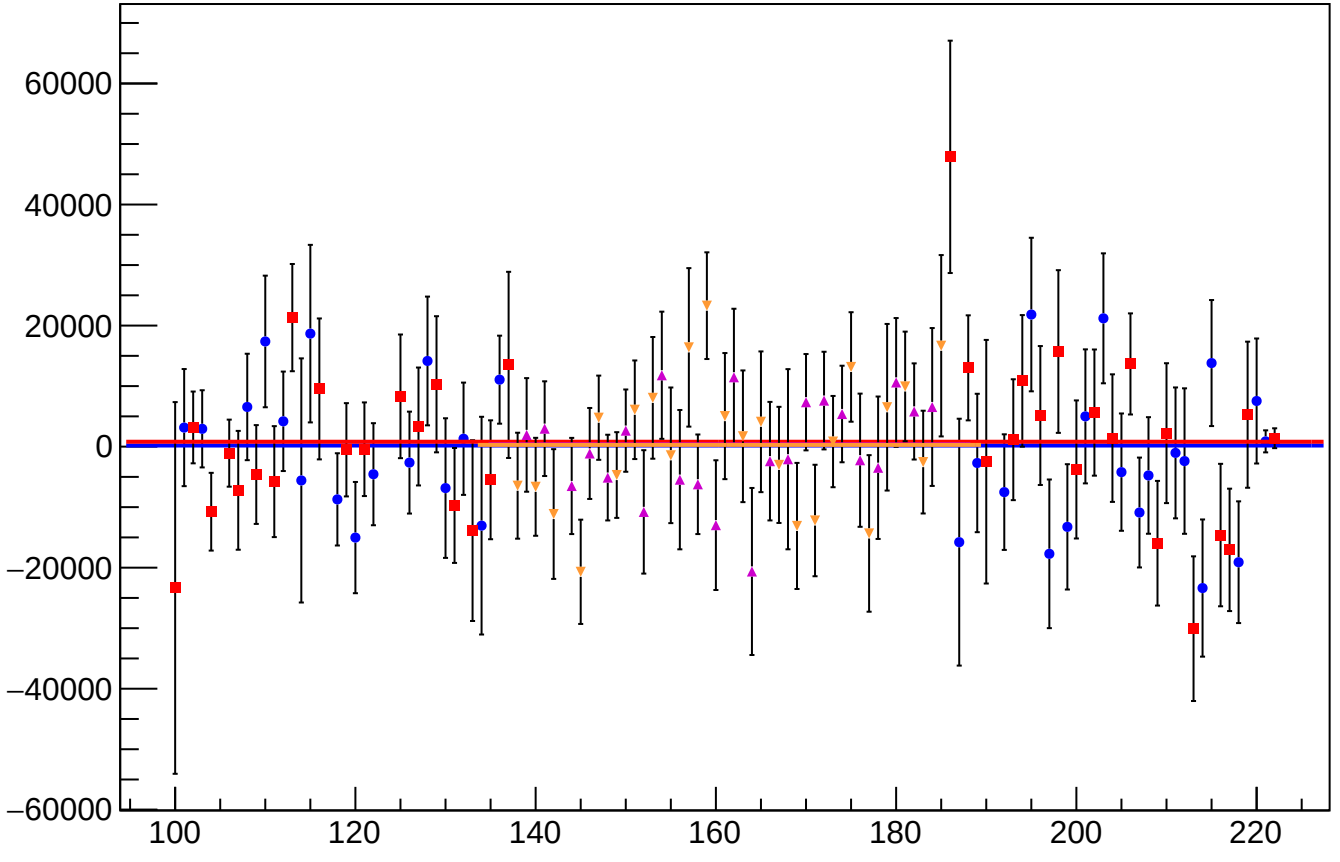
Right: 1626.326+/-0.178 χ^2/NDF: 2853975.5/69

In: 1678.640+/-0.190 χ^2/NDF:978724.1/56

Out: 1684.242+/-0.191 χ^2/NDF:2482126.7/59

All: 1681.422+/-0.134 χ^2/NDF: 3461284.8/11

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: 808.482+/-1158.146 χ^2/NDF: 43.8/35

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

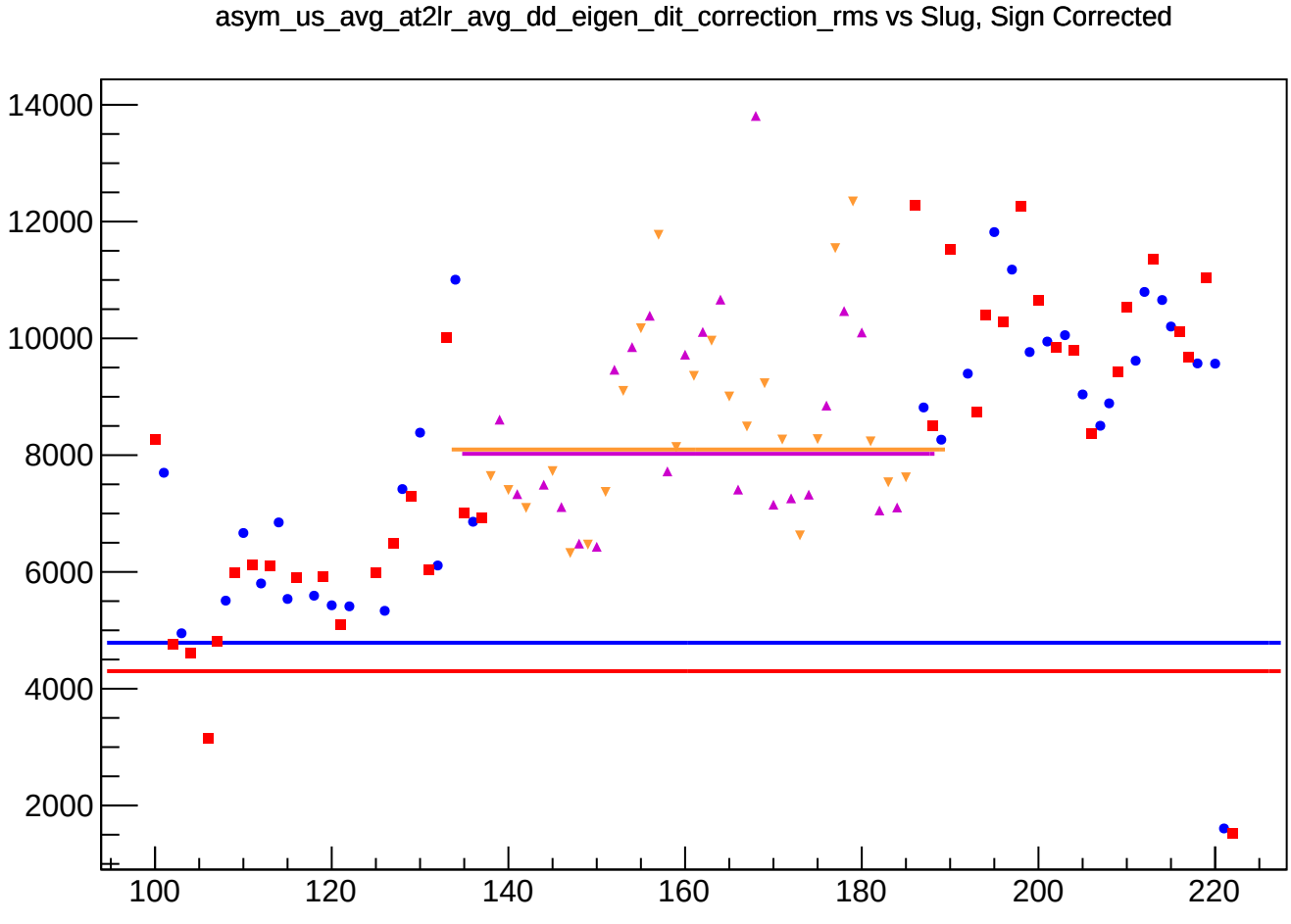
Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

Right: 521.009+/-851.888 χ^2/NDF: 83.0/69

In: 242.648+/-1050.688 χ^2/NDF:52.7/56

Out: 668.821+/-991.718 χ^2/NDF:72.5/59

All: 468.029+/-721.197 χ^2/NDF: 125.3/116



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: 4301.221+/-0.819 χ^2/NDF: 16154090.7/35

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

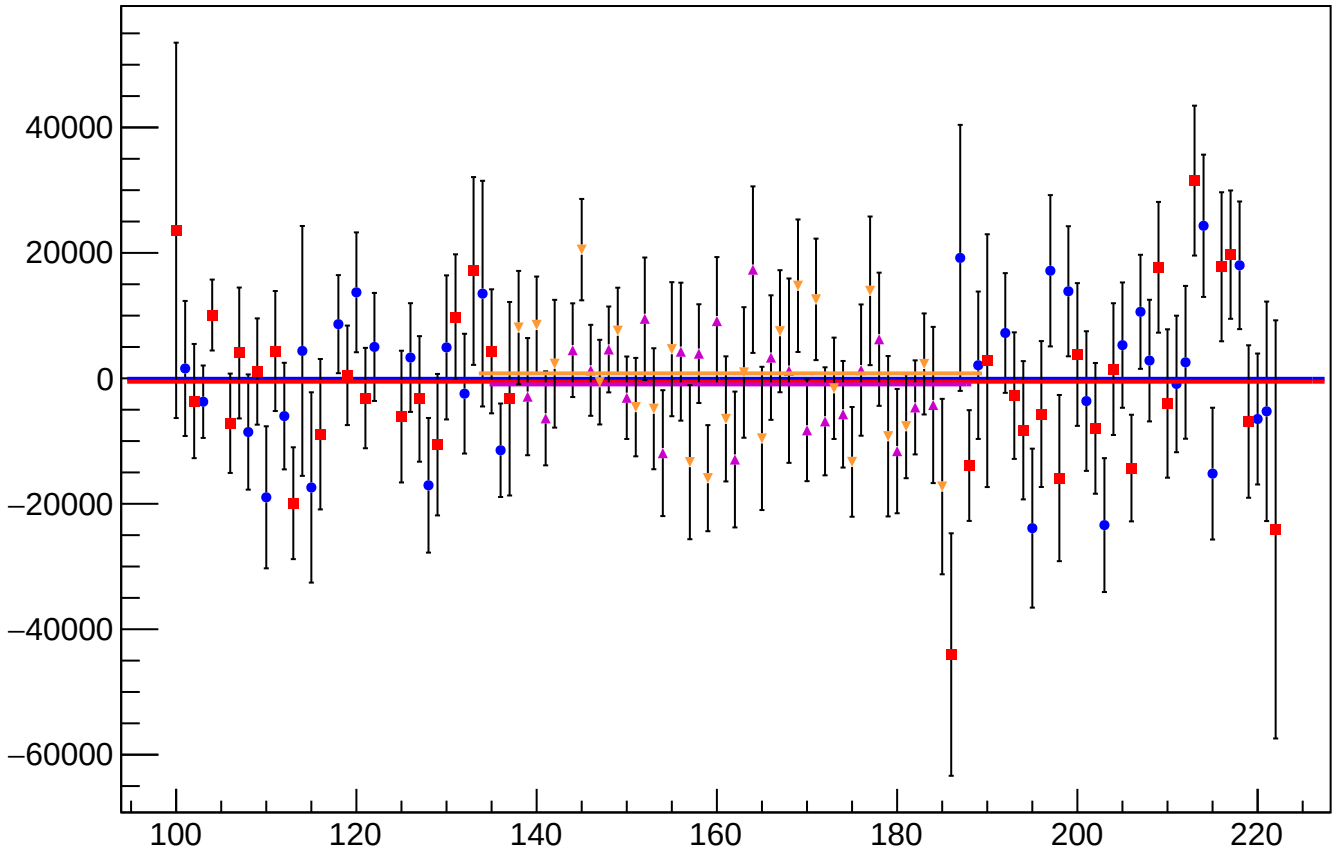
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 4524.328+/-0.602 χ^2/NDF: 30736863.3/69

In: 5763.959+/-0.743 χ^2/NDF:19643091.0/56

Out: 5313.717+/-0.701 χ^2/NDF:22972200.7/59

All: 5525.849+/-0.510 χ^2/NDF: 42809517.5/1



Right In: -71.972+/-1746.086 χ^2/NDF: 41.2/33

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -536.301+/-1720.285 χ^2/NDF: 44.9/35

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

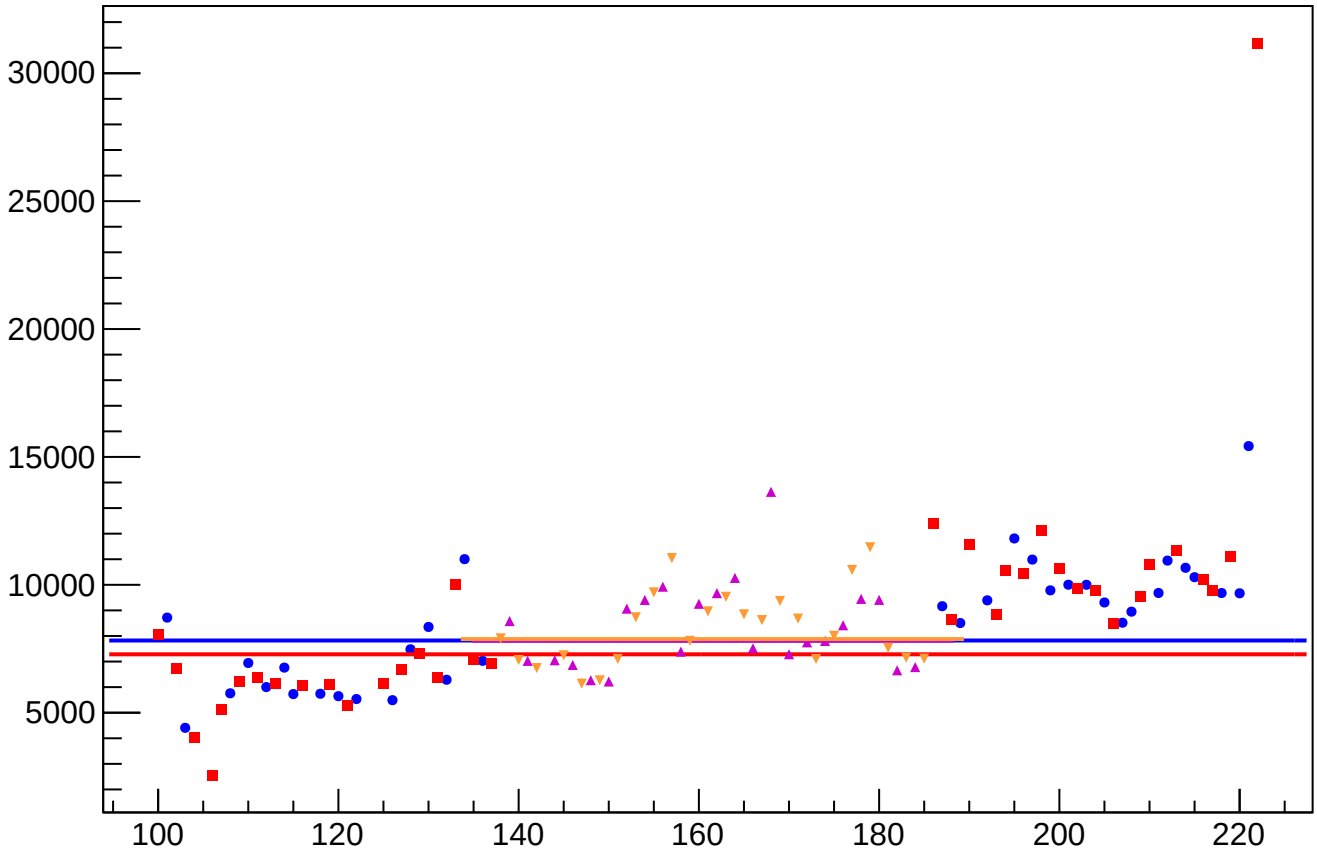
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -307.592+/-1225.445 χ^2/NDF: 86.1/69

In: -489.838+/-1273.013 χ^2/NDF:54.1/56

Out: 73.945+/-1264.530 χ^2/NDF:72.3/59

All: -206.062+/-897.142 χ^2/NDF: 126.6/116



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: 7282.929+/-1.190 χ^2/NDF: 5878942.3/35

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

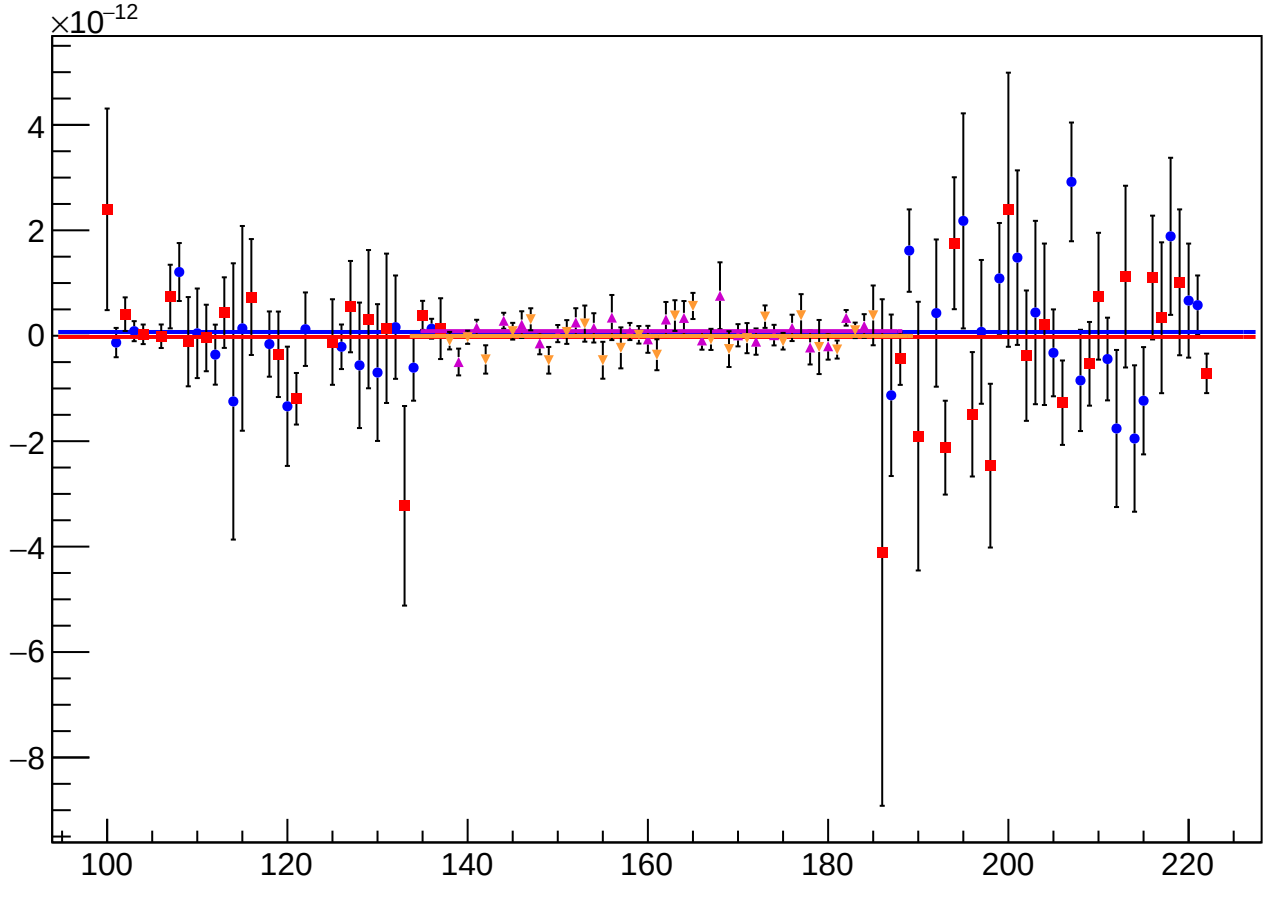
Right: 7542.842+/-0.857 χ^2/NDF: 9266756.3/69

In: 7819.777+/-0.900 χ^2/NDF:4421093.6/56

Out: 7550.161+/-0.883 χ^2/NDF:6981419.7/59

All: 7682.442+/-0.631 χ^2/NDF: 11448210.9/1

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/35

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

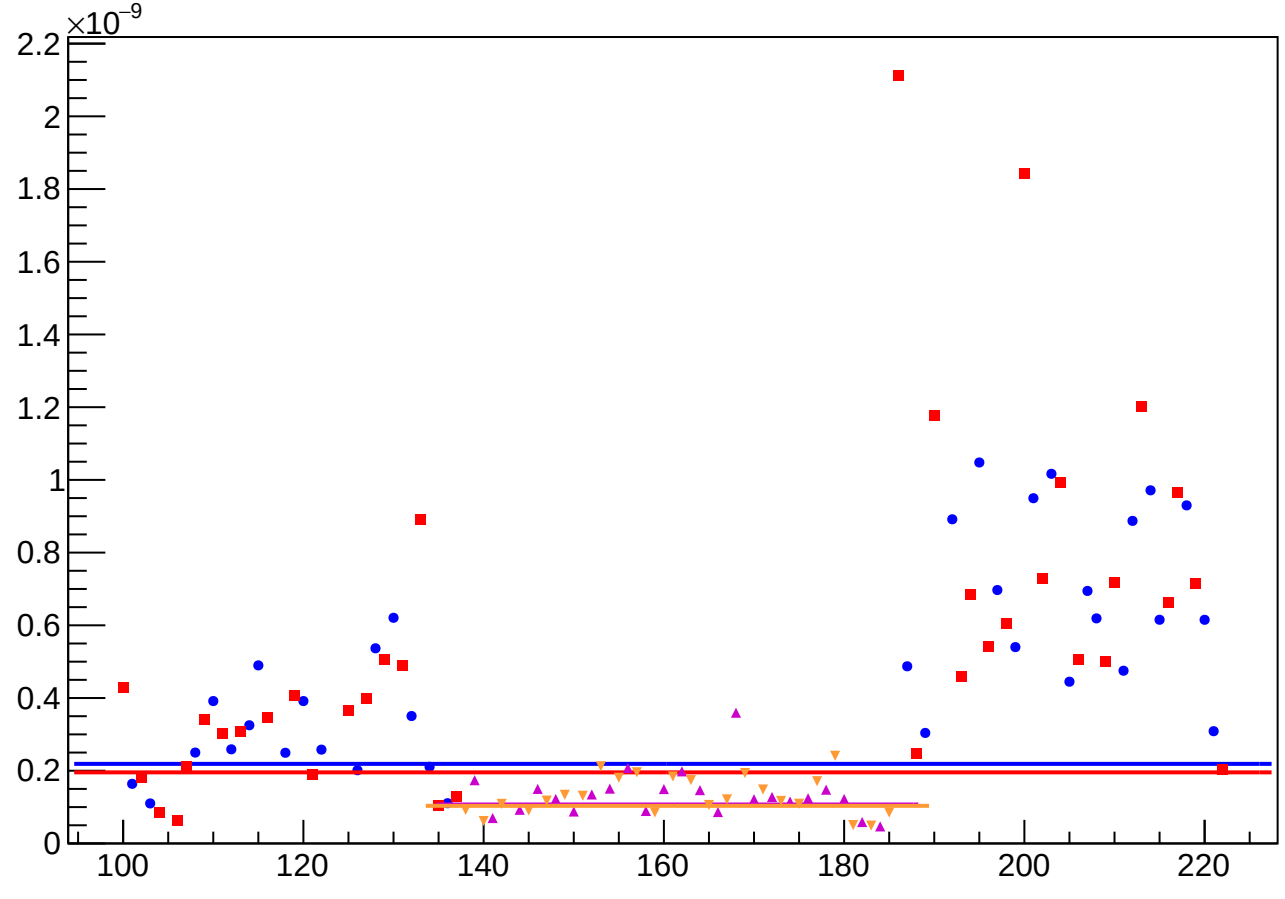
Right: 0.000+/-0.000 χ^2/NDF: 74.2/69

In: 0.000+/-0.000 χ^2/NDF:52.3/56

Out: -0.000+/-0.000 χ^2/NDF:69.5/59

All: 0.000+/-0.000 χ^2/NDF: 124.4/116

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: 8701278.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

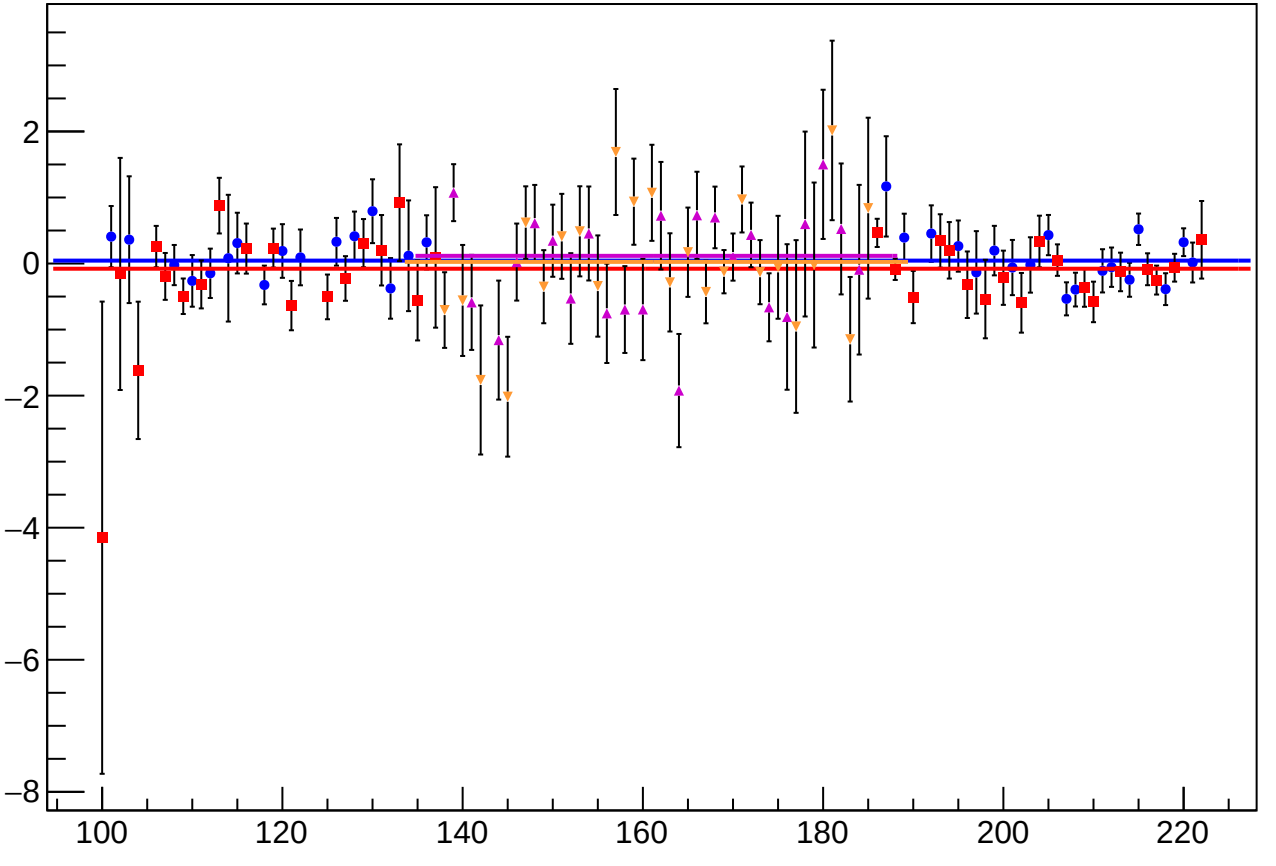
Right: 0.000+/-0.000 χ^2/NDF: 15988859.8/69

In: 0.000+/-0.000 χ^2/NDF:11054018.1/56

Out: 0.000+/-0.000 χ^2/NDF:12215899.4/59

All: 0.000+/-0.000 χ^2/NDF: 23300001.5/116

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: -0.079+/-0.056 χ^2/NDF: 39.6/35

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

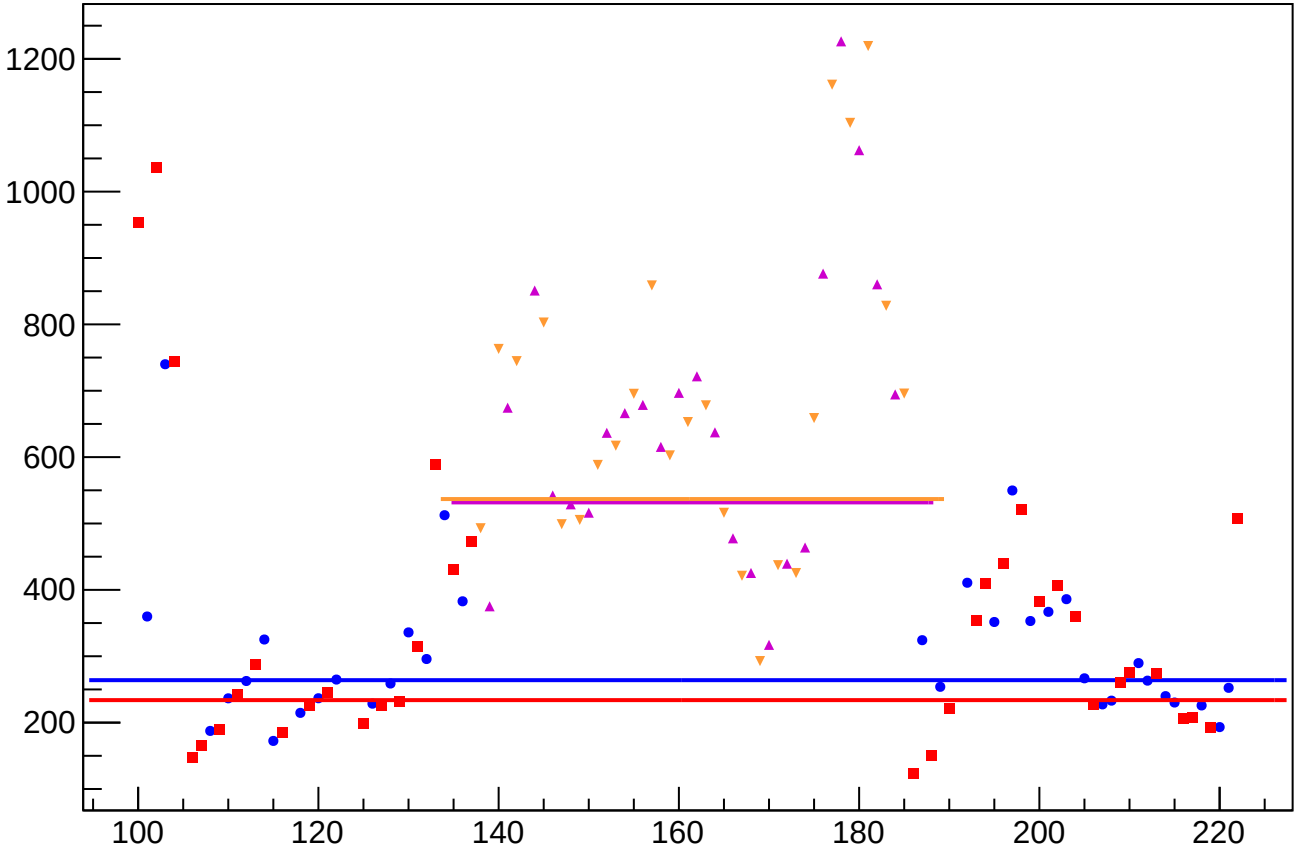
Right: -0.022+/-0.041 χ^2/NDF: 76.0/69

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.063+/-0.051 χ^2/NDF:69.1/59

All: -0.007+/-0.037 χ^2/NDF: 133.9/116

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 263.956+/-0.042 χ^2/NDF: 2879693.4/33

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.894+/-0.039 χ^2/NDF: 5844405.6/35

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

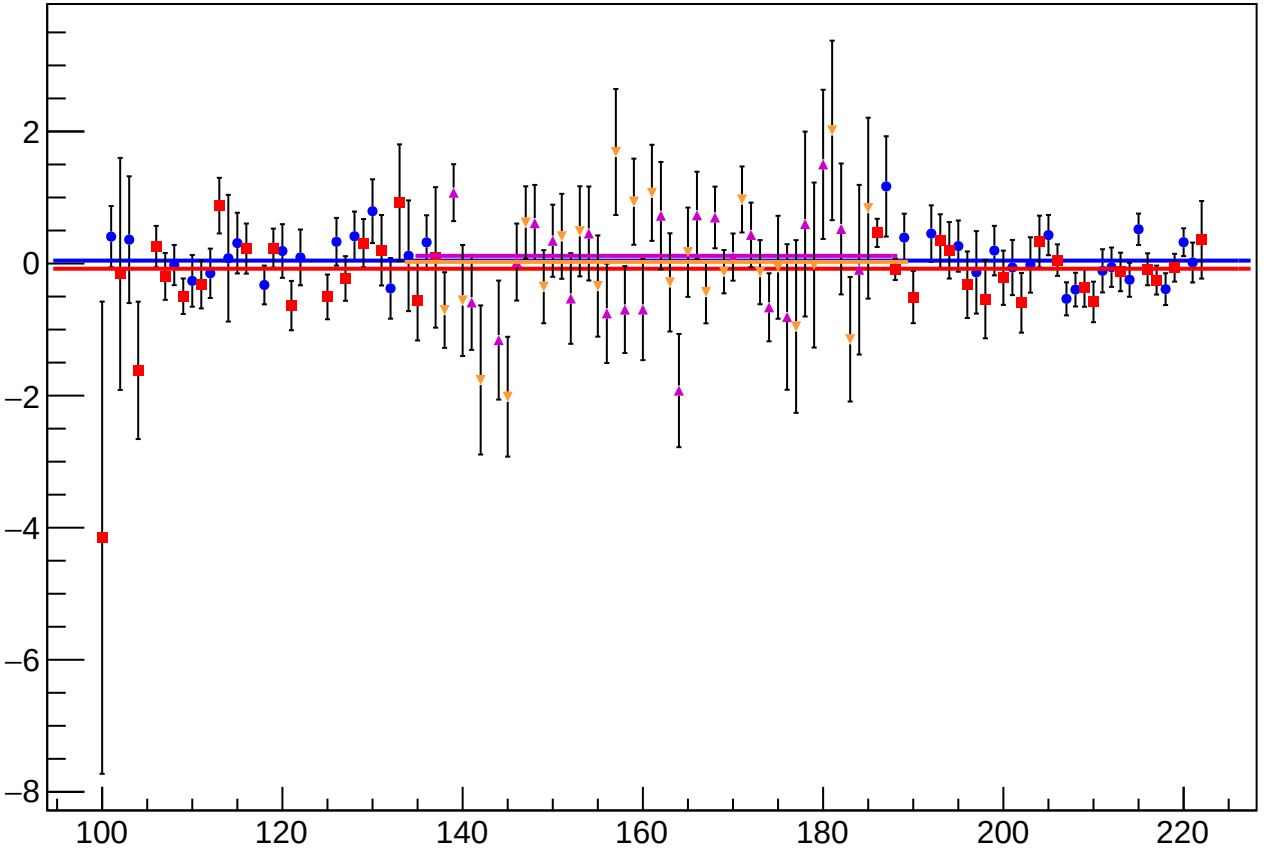
Right: 247.819+/-0.029 χ^2/NDF: 8995108.1/69

In: 309.337+/-0.039 χ^2/NDF:13050947.1/56

Out: 278.378+/-0.036 χ^2/NDF:18531626.2/59

All: 292.926+/-0.026 χ^2/NDF: 31924329.8/11

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: -0.079+/-0.056 χ^2/NDF: 39.6/35

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

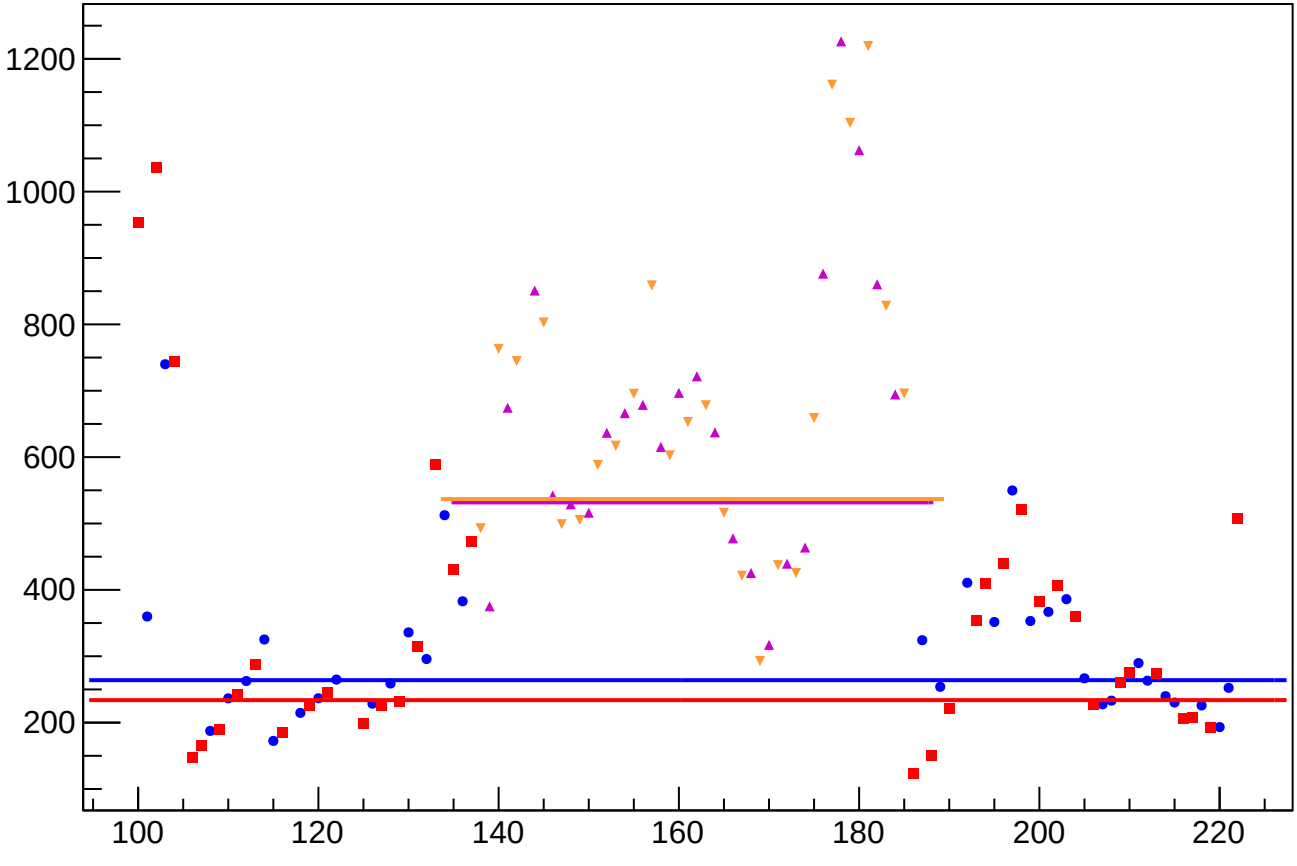
Right: -0.022+/-0.041 χ^2/NDF: 76.0/69

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.063+/-0.051 χ^2/NDF:69.1/59

All: -0.007+/-0.037 χ^2/NDF: 133.9/116

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: 233.894+/-0.039 χ^2/NDF: 5844405.6/35

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

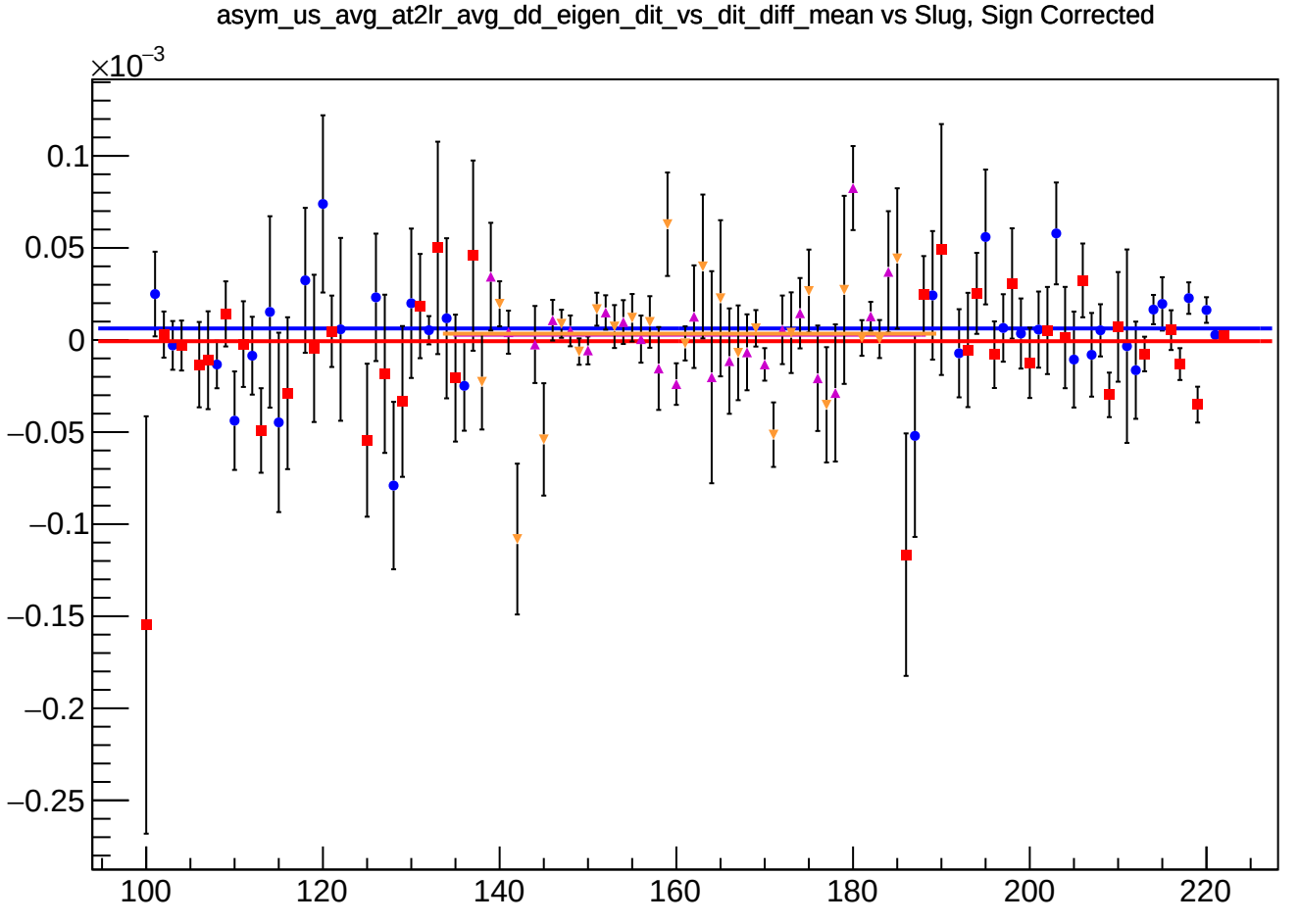
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 247.819+/-0.029 χ^2/NDF: 8995108.1/69

In: 309.337+/-0.039 χ^2/NDF:13050947.1/56

Out: 278.378+/-0.036 χ^2/NDF:18531626.2/59

All: 292.926+/-0.026 χ^2/NDF: 31924329.8/11



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: 47.2/35

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

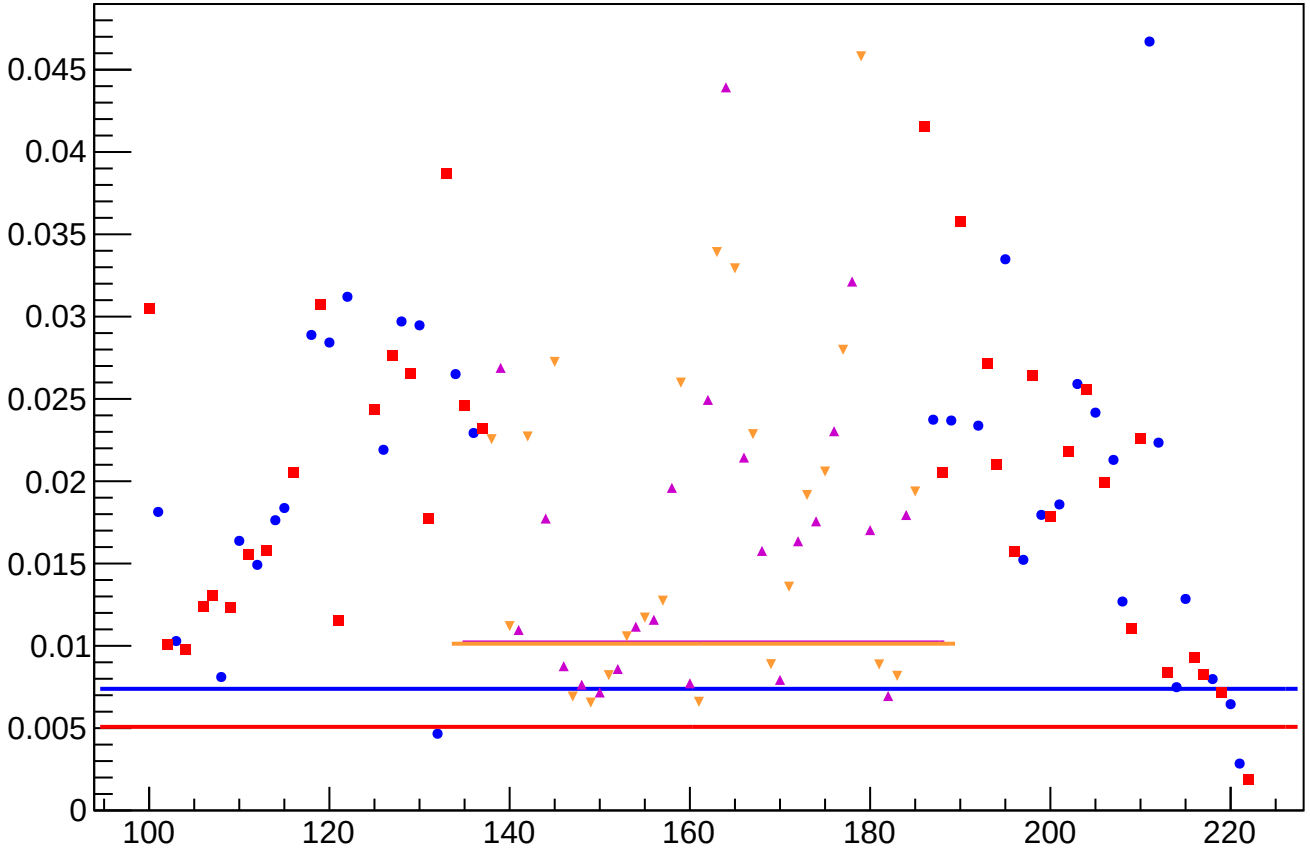
Right: 0.000+/-0.000 χ^2/NDF: 88.2/69

In: 0.000+/-0.000 χ^2/NDF:67.8/56

Out: 0.000+/-0.000 χ^2/NDF:87.8/59

All: 0.000+/-0.000 χ^2/NDF: 159.7/116

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 18431605.1/33

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 23979711.5/35

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

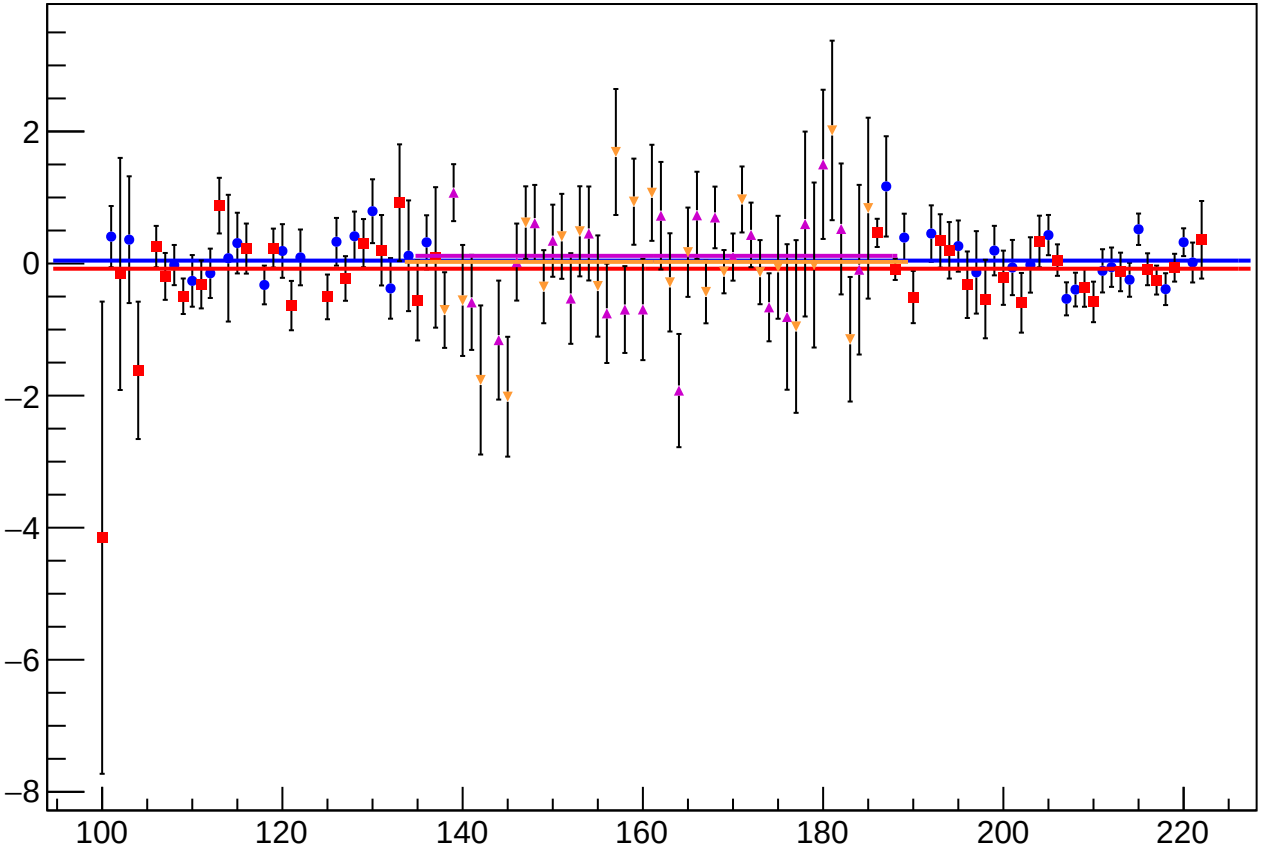
Right: 0.006+/-0.000 χ^2/NDF: 43819541.3/69

In: 0.008+/-0.000 χ^2/NDF:25793848.5/56

Out: 0.006+/-0.000 χ^2/NDF:36668431.7/59

All: 0.007+/-0.000 χ^2/NDF: 63988775.9/116

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: -0.079+/-0.056 χ^2/NDF: 39.6/35

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

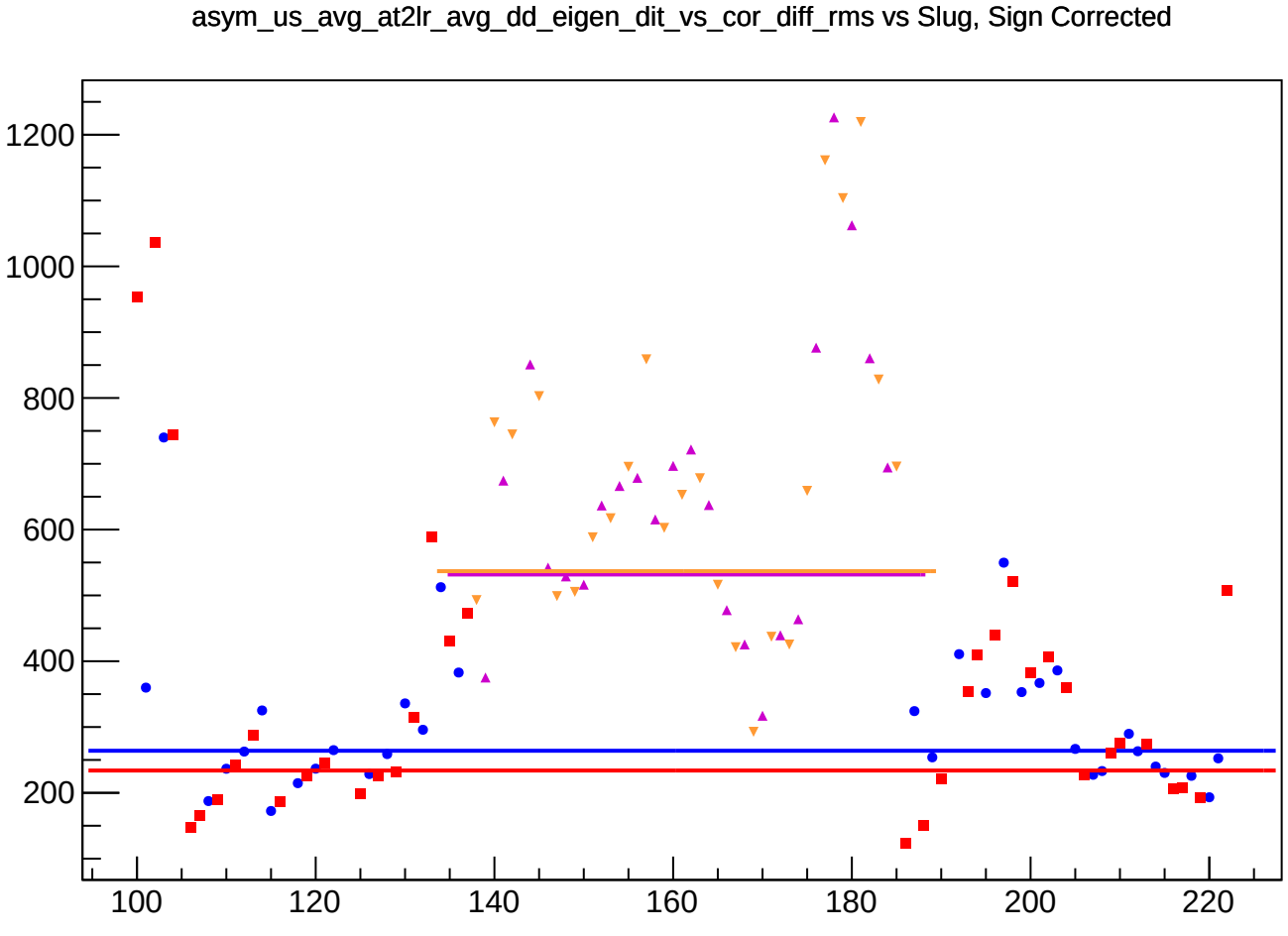
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.022+/-0.041 χ^2/NDF: 76.0/69

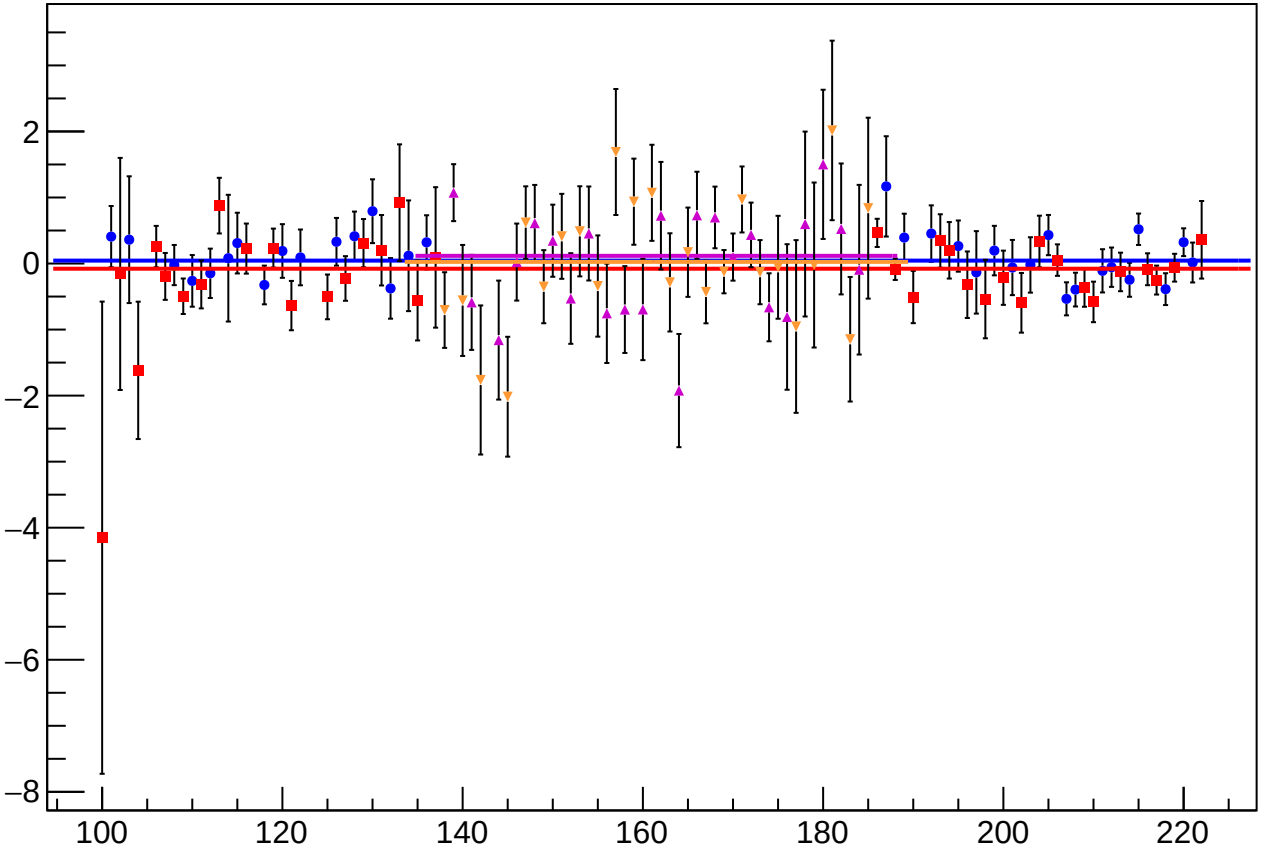
In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.063+/-0.051 χ^2/NDF:69.1/59

All: -0.007+/-0.037 χ^2/NDF: 133.9/116


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: 233.893+/-0.039 χ²/NDF: 5844490.0/35
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 247.818+/-0.029 χ²/NDF: 8995207.0/69
In: 309.336+/-0.039 χ²/NDF:13051176.1/56
Out: 278.377+/-0.036 χ²/NDF:18531936.5/59
All: 292.924+/-0.026 χ²/NDF: 31924878.2/11

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: -0.079+/-0.056 χ^2/NDF: 39.6/35

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

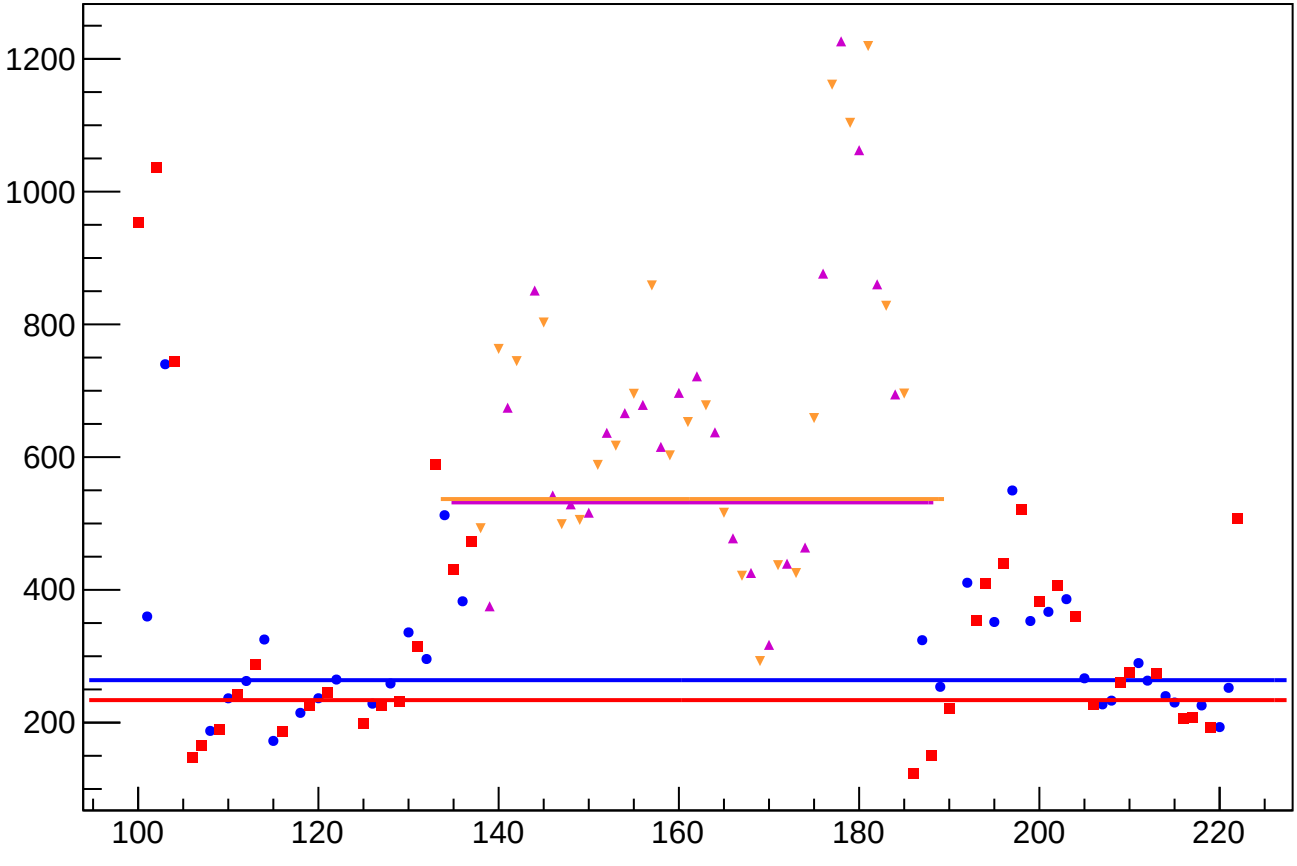
Right: -0.022+/-0.041 χ^2/NDF: 76.0/69

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.063+/-0.051 χ^2/NDF:69.1/59

All: -0.007+/-0.037 χ^2/NDF: 133.9/116

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: 233.893+/-0.039 χ^2/NDF: 5844490.0/35

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

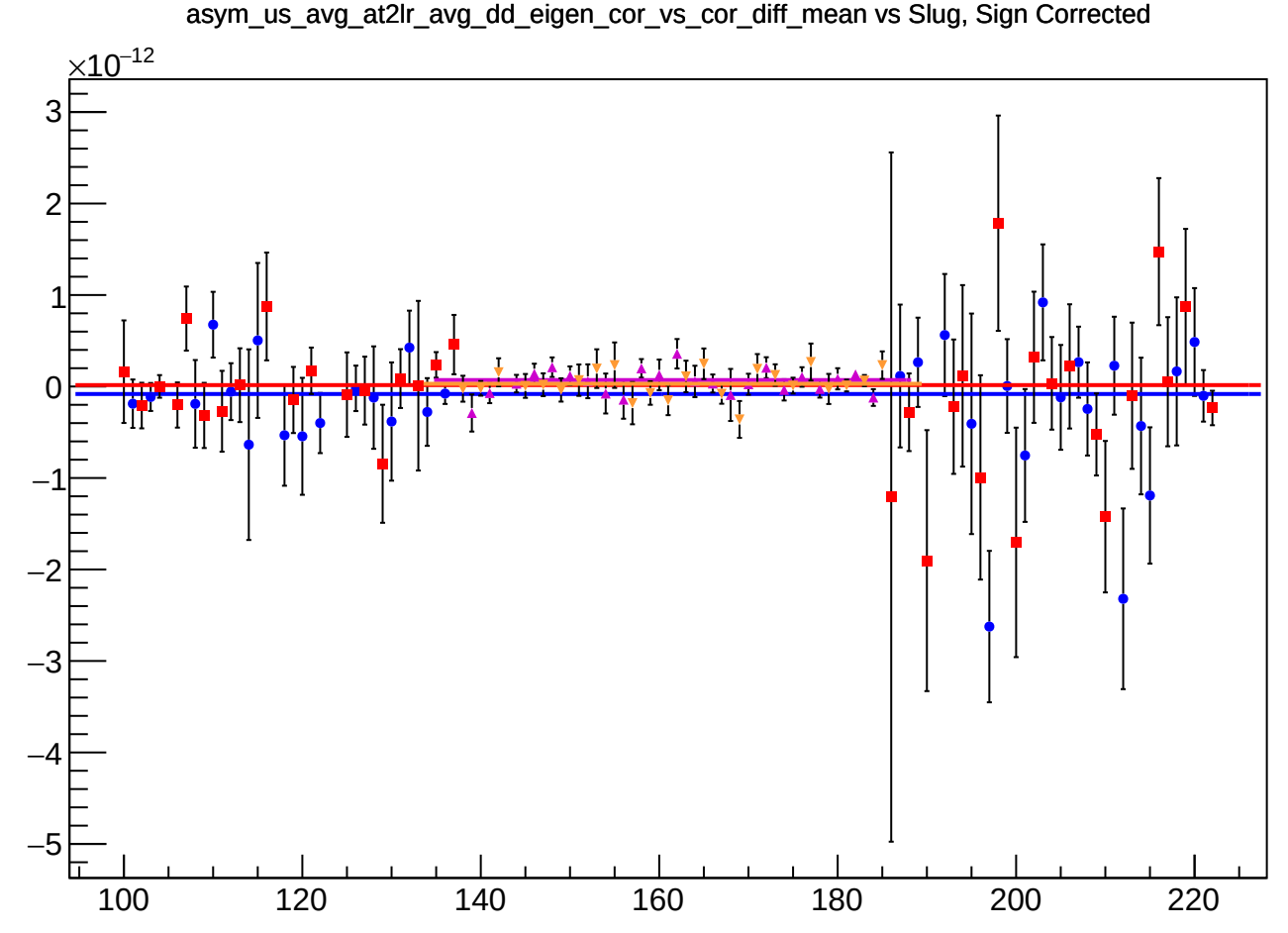
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 247.818+/-0.029 χ^2/NDF: 8995207.0/69

In: 309.336+/-0.039 χ^2/NDF:13051176.1/56

Out: 278.377+/-0.036 χ^2/NDF:18531936.5/59

All: 292.924+/-0.026 χ^2/NDF: 31924878.2/11



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: 34.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

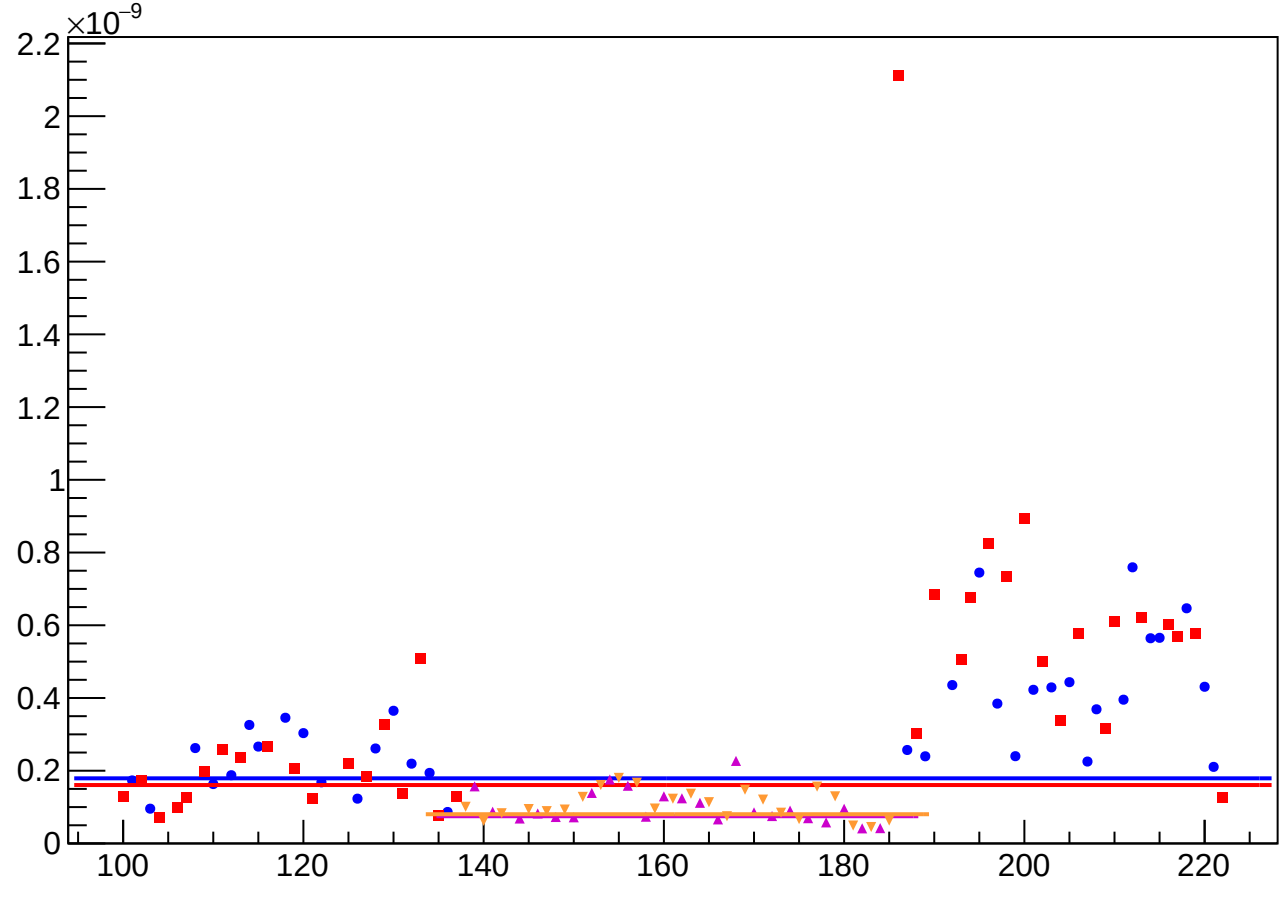
Right: -0.000+/-0.000 χ^2/NDF: 69.8/69

In: 0.000+/-0.000 χ^2/NDF:62.8/56

Out: 0.000+/-0.000 χ^2/NDF:52.3/59

All: 0.000+/-0.000 χ^2/NDF: 115.7/116

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: 11351355.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

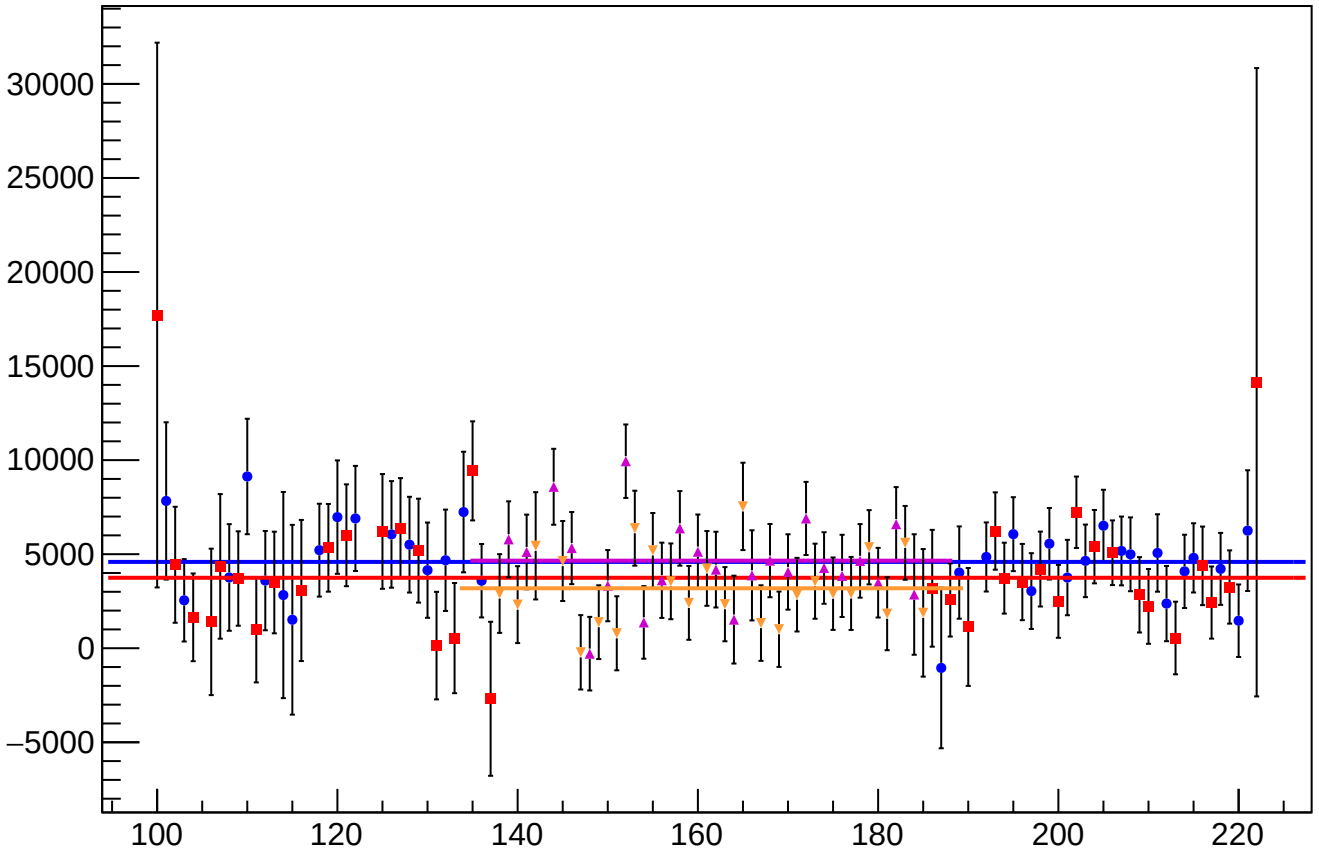
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 19452663.6/69

In: 0.000+/-0.000 χ^2/NDF:16739081.0/56

Out: 0.000+/-0.000 χ^2/NDF:18364789.0/59

All: 0.000+/-0.000 χ^2/NDF: 35146976.2/116



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: 3745.176+/-400.522 χ^2/NDF: 28.5/35

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

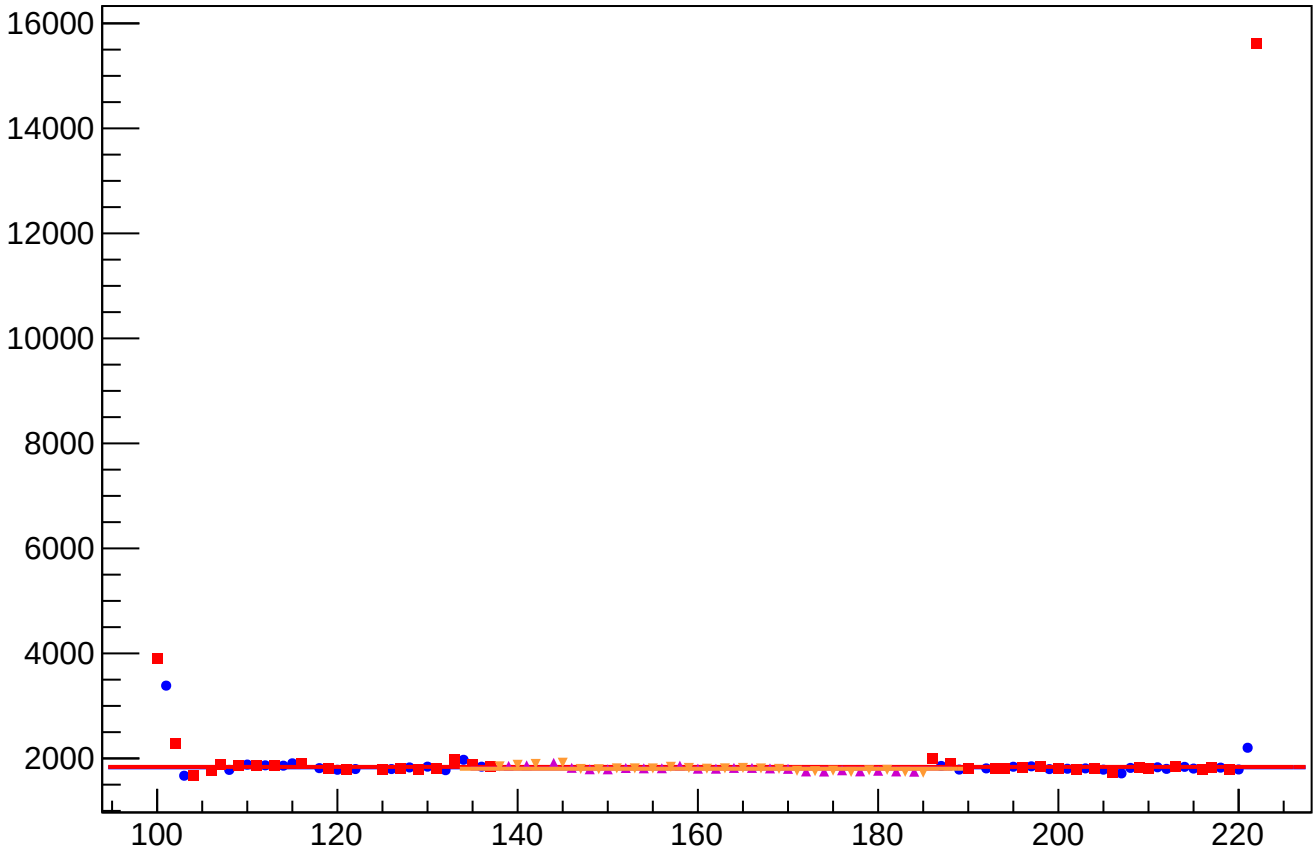
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4172.073+/-281.564 χ^2/NDF: 46.7/69

In: 4620.108+/-288.631 χ^2/NDF:43.7/56

Out: 3478.473+/-289.398 χ^2/NDF:49.3/59

All: 4050.806+/-204.364 χ^2/NDF: 100.7/116



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: 1838.217+/-0.283 χ^2/NDF: 1485551.5/35

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

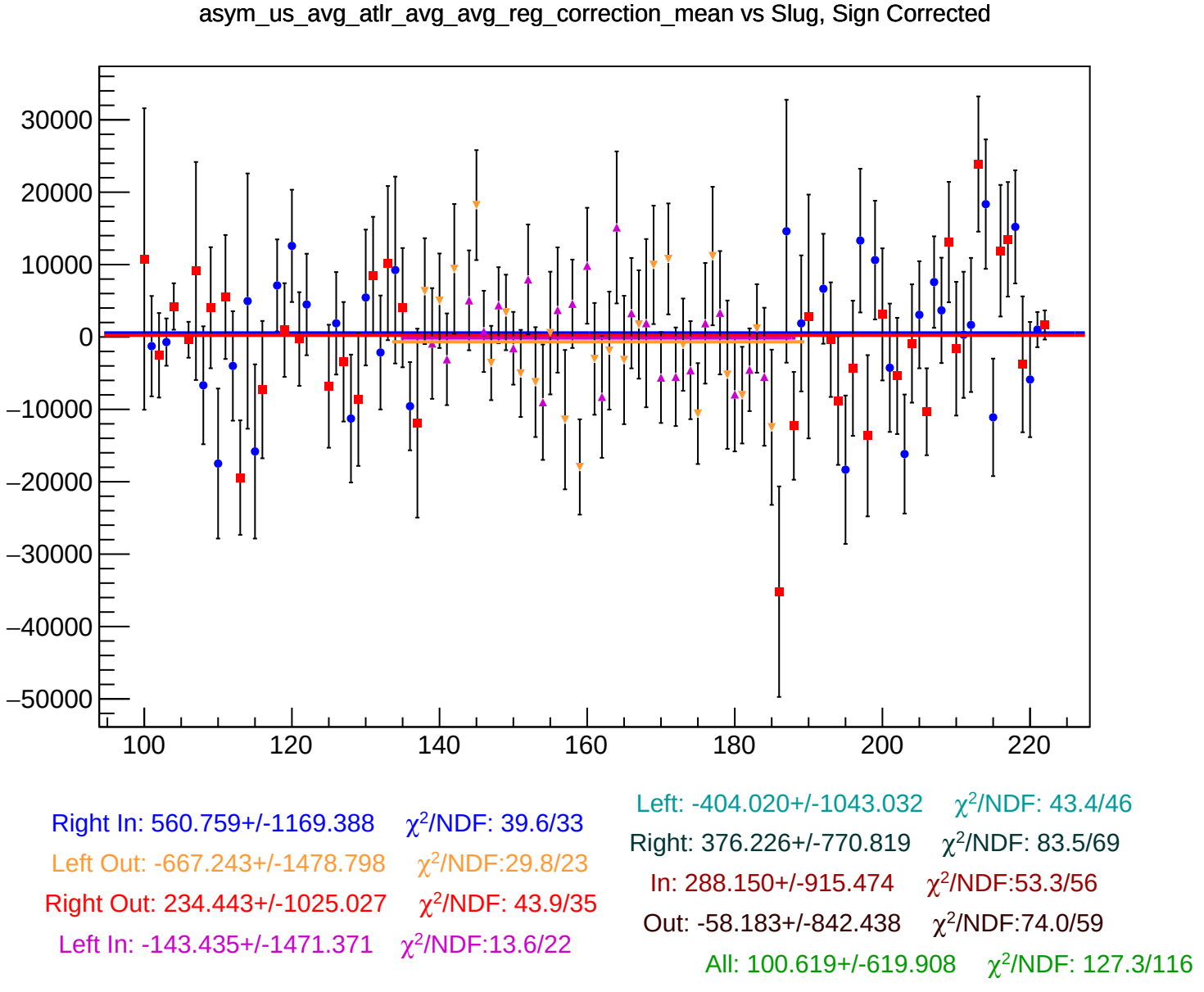
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

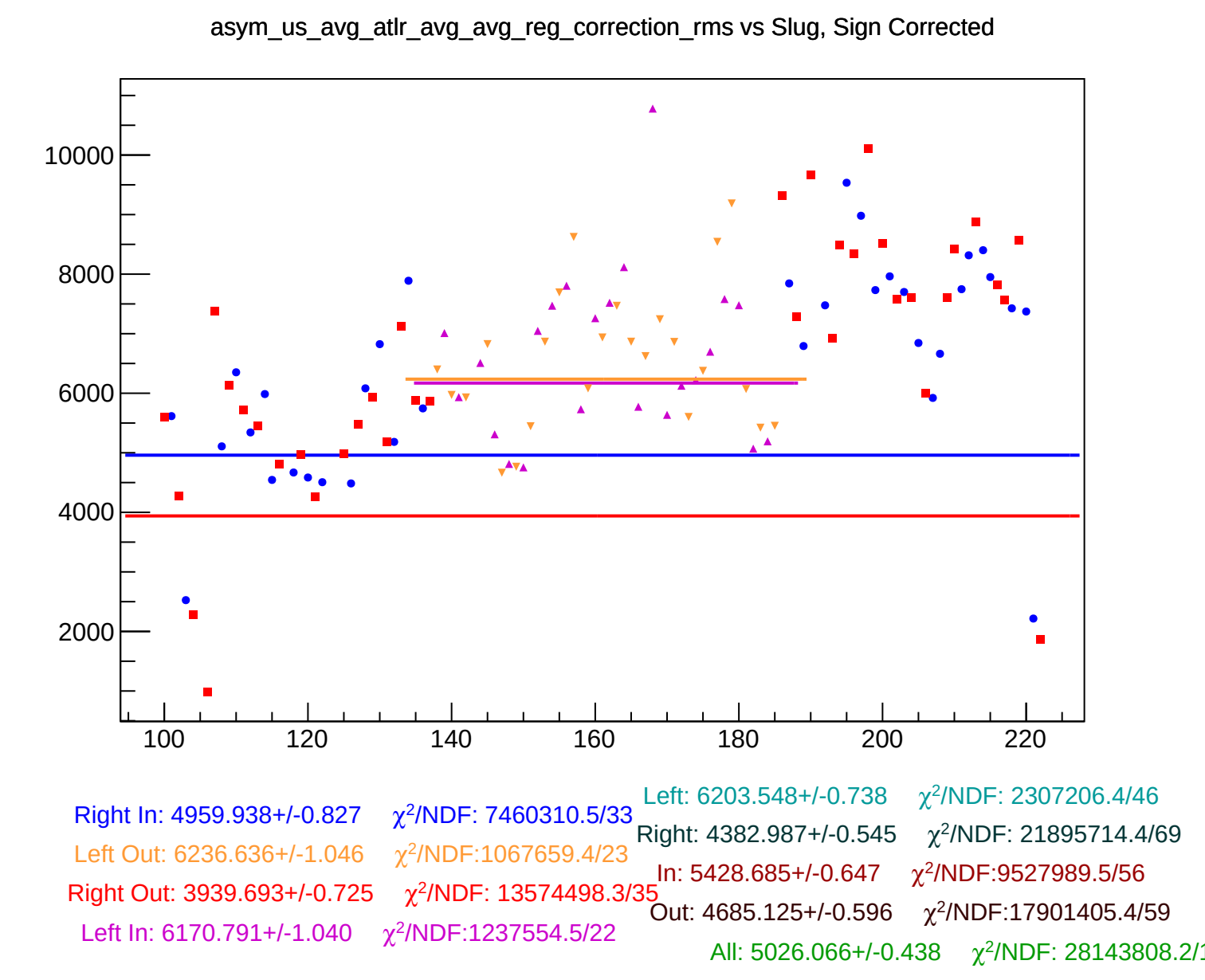
Right: 1833.860+/-0.199 χ^2/NDF: 1822088.3/69

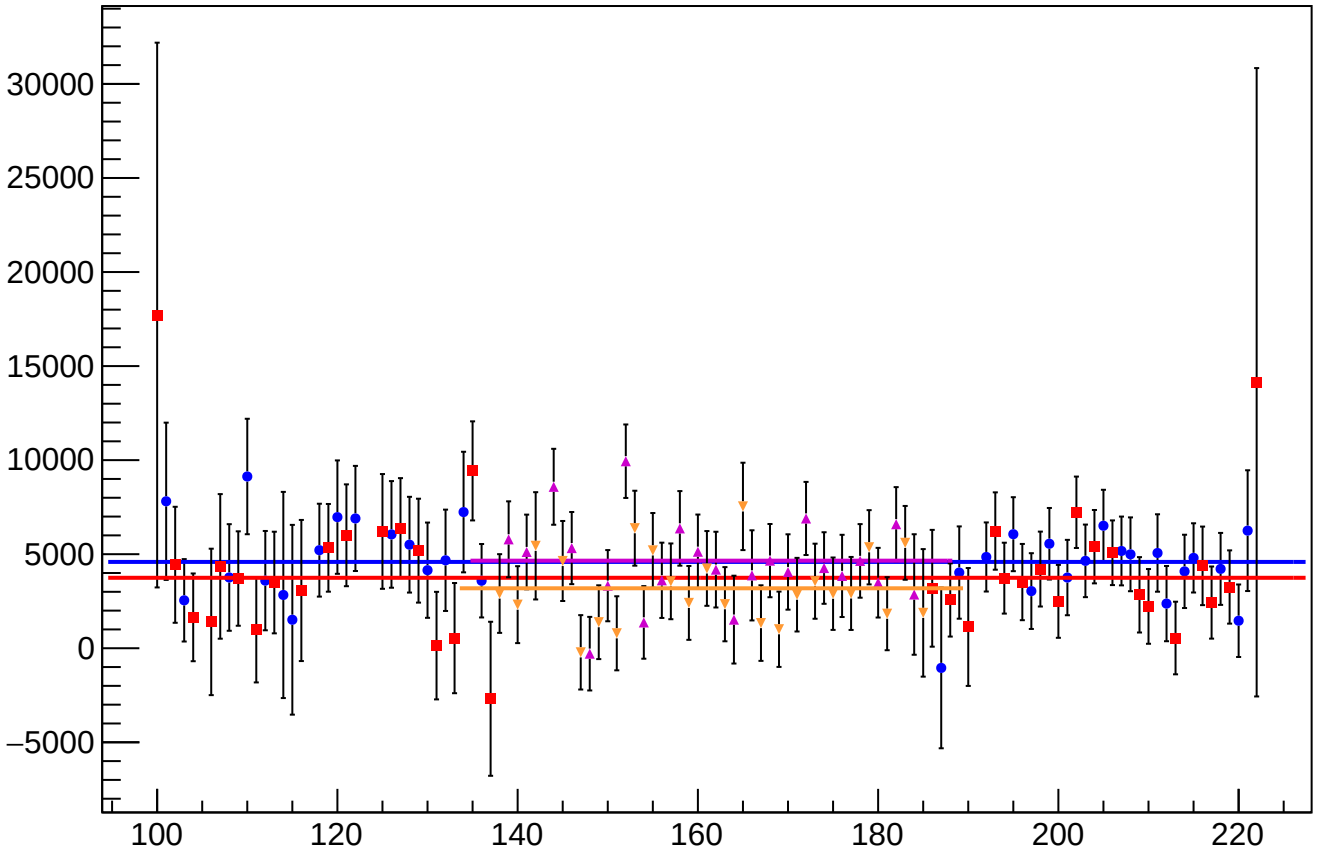
In: 1818.334+/-0.204 χ^2/NDF:358835.8/56

Out: 1821.458+/-0.205 χ^2/NDF:1513541.4/59

All: 1819.893+/-0.144 χ^2/NDF: 1872494.1/11


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: 234.443+/-1025.027 χ²/NDF: 43.9/35
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: 376.226+/-770.819 χ²/NDF: 83.5/69
In: 288.150+/-915.474 χ²/NDF:53.3/56
Out: -58.183+/-842.438 χ²/NDF:74.0/59
All: 100.619+/-619.908 χ²/NDF: 127.3/116


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4959.938+/-0.827 χ²/NDF: 7460310.5/33
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3939.693+/-0.725 χ²/NDF: 13574498.3/35
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4382.987+/-0.545 χ²/NDF: 21895714.4/69
In: 5428.685+/-0.647 χ²/NDF:9527989.5/56
Out: 4685.125+/-0.596 χ²/NDF:17901405.4/59
All: 5026.066+/-0.438 χ²/NDF: 28143808.2/



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: 3745.133+/-400.523 χ^2/NDF: 28.5/35

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

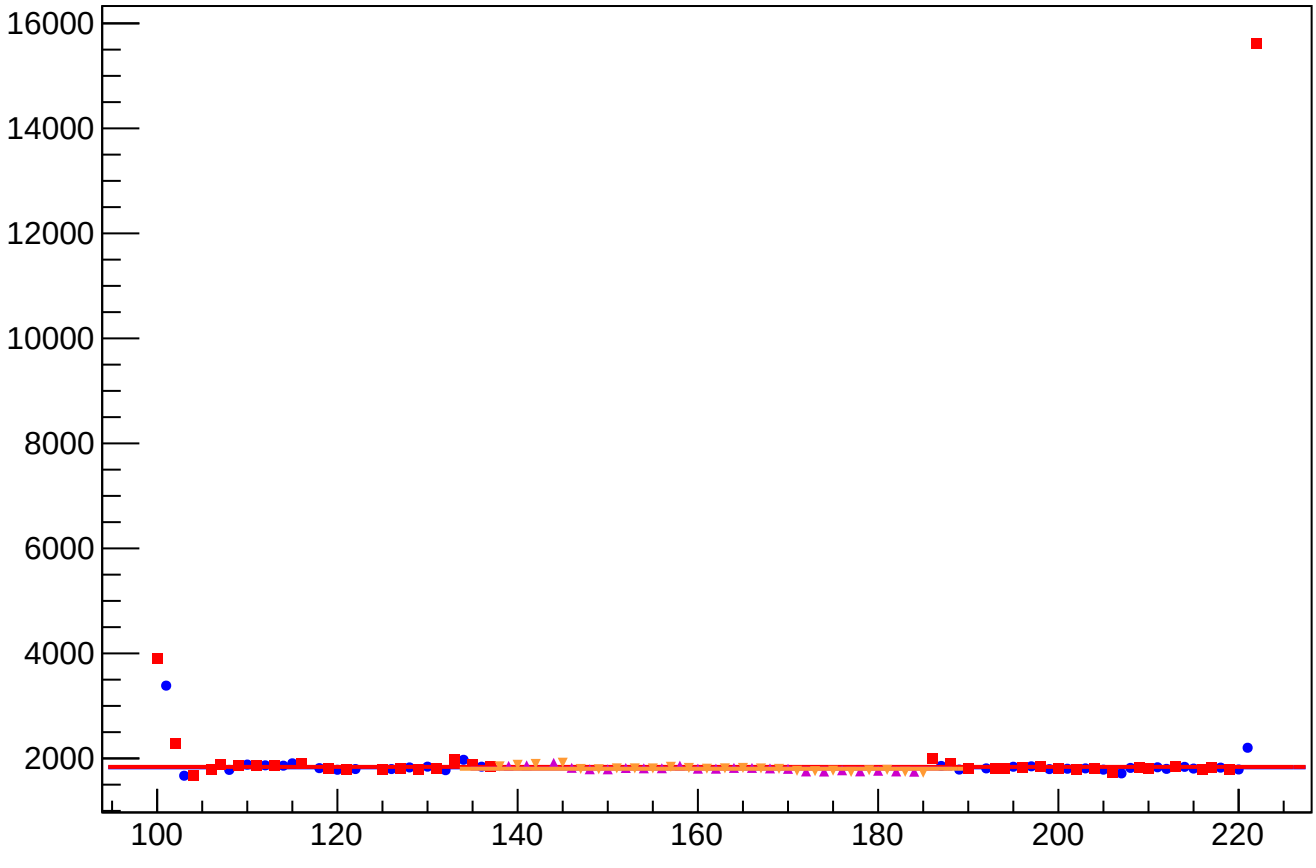
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4171.951+/-281.564 χ^2/NDF: 46.7/69

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3478.418+/-289.398 χ^2/NDF:49.3/59

All: 4050.730+/-204.364 χ^2/NDF: 100.7/116



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: 1838.448+/-0.283 χ^2/NDF: 1485171.6/35

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

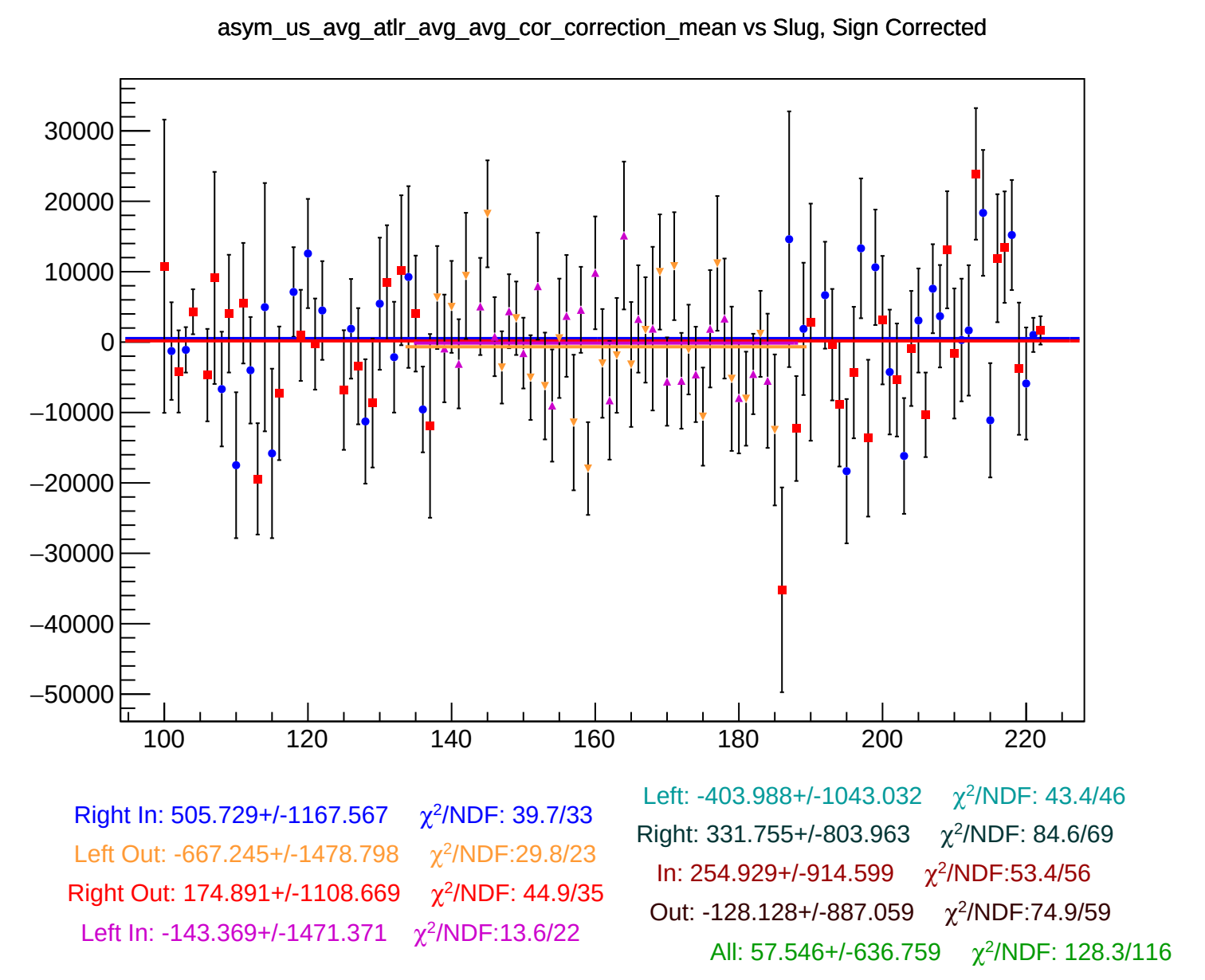
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1833.974+/-0.199 χ^2/NDF: 1821735.8/69

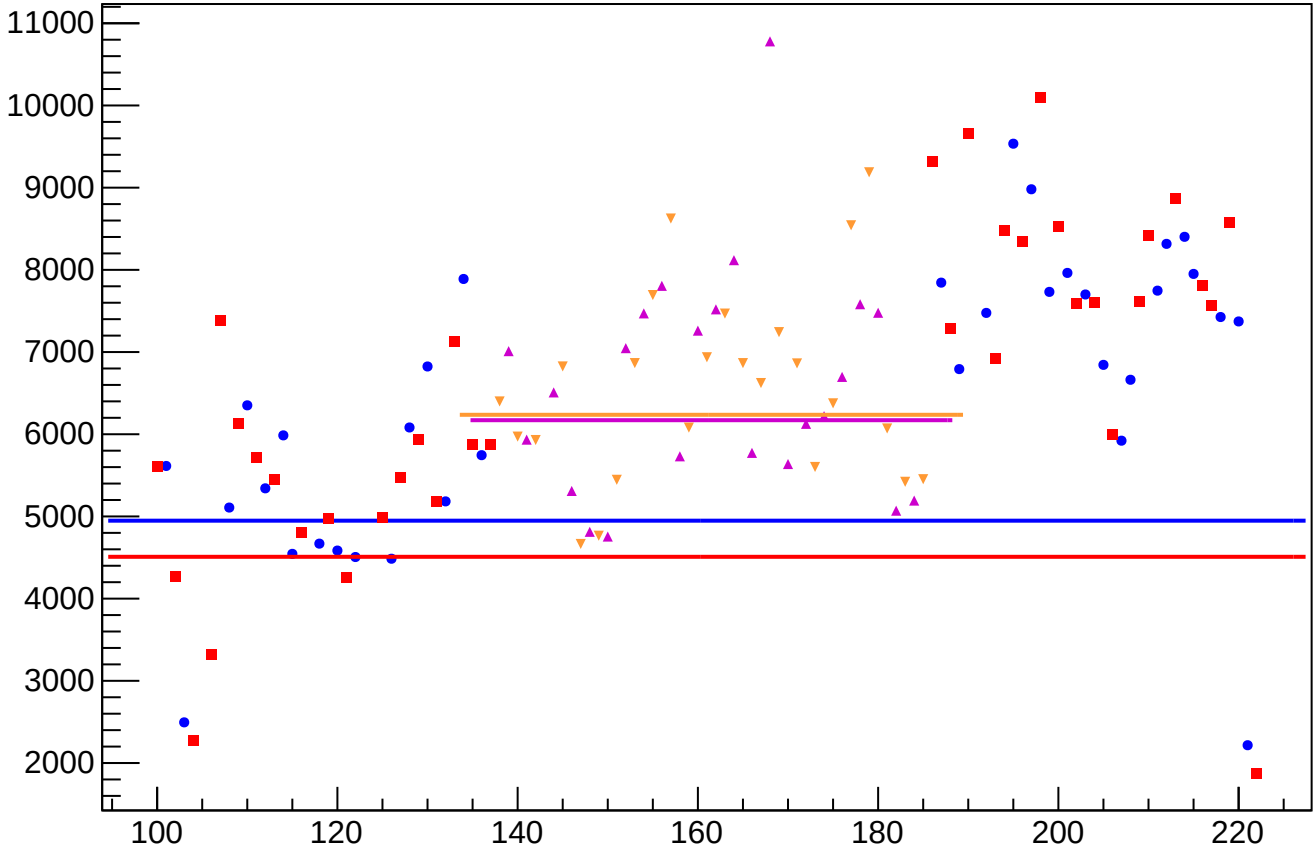
In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1821.578+/-0.205 χ^2/NDF:1513257.9/59

All: 1819.952+/-0.144 χ^2/NDF: 1872221.6/11


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 505.729+/-1167.567 χ²/NDF: 39.7/33
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 174.891+/-1108.669 χ²/NDF: 44.9/35
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 331.755+/-803.963 χ²/NDF: 84.6/69
In: 254.929+/-914.599 χ²/NDF:53.4/56
Out: -128.128+/-887.059 χ²/NDF:74.9/59
All: 57.546+/-636.759 χ²/NDF: 128.3/116

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: 4508.871+/-0.784 χ^2/NDF: 10235444.8/35

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

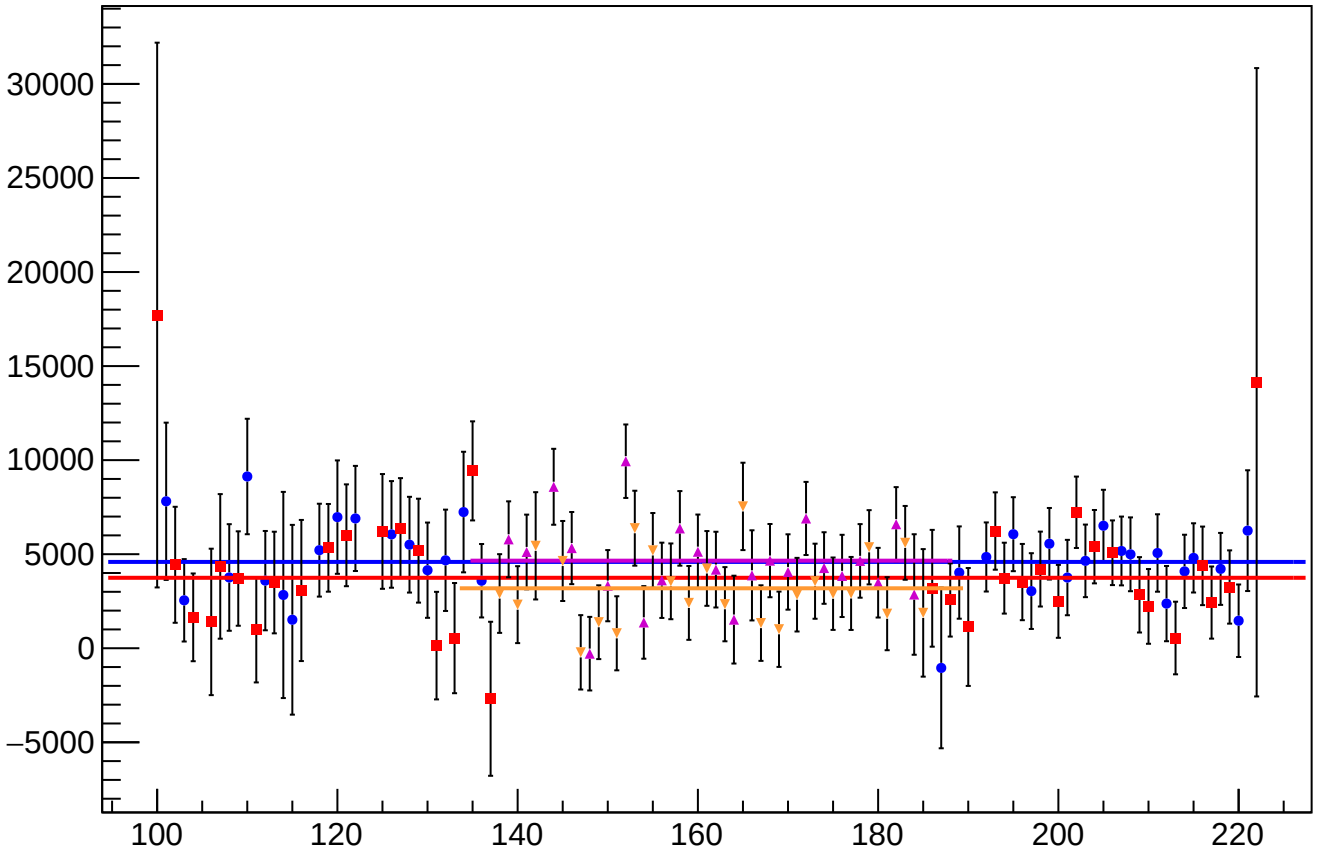
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4717.262+/-0.568 χ^2/NDF: 17899980.4/69

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 5130.558+/-0.627 χ^2/NDF:13050871.7/59

All: 5271.194+/-0.450 χ^2/NDF: 22754713.4/1



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: 3745.133+/-400.523 χ^2/NDF: 28.5/35

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

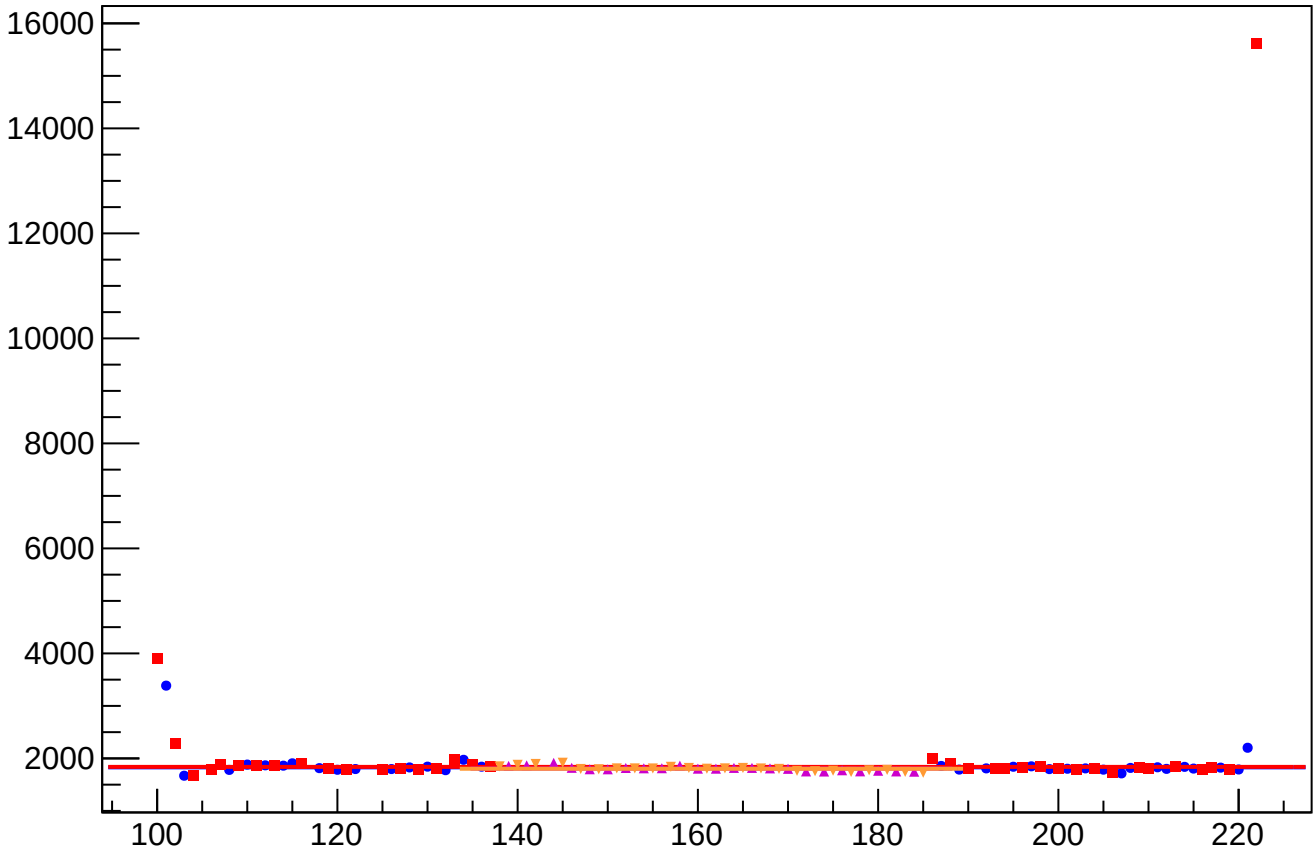
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4171.951+/-281.564 χ^2/NDF: 46.7/69

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3478.418+/-289.398 χ^2/NDF:49.3/59

All: 4050.730+/-204.364 χ^2/NDF: 100.7/116



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: 1838.448+/-0.283 χ^2/NDF: 1485171.6/35

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

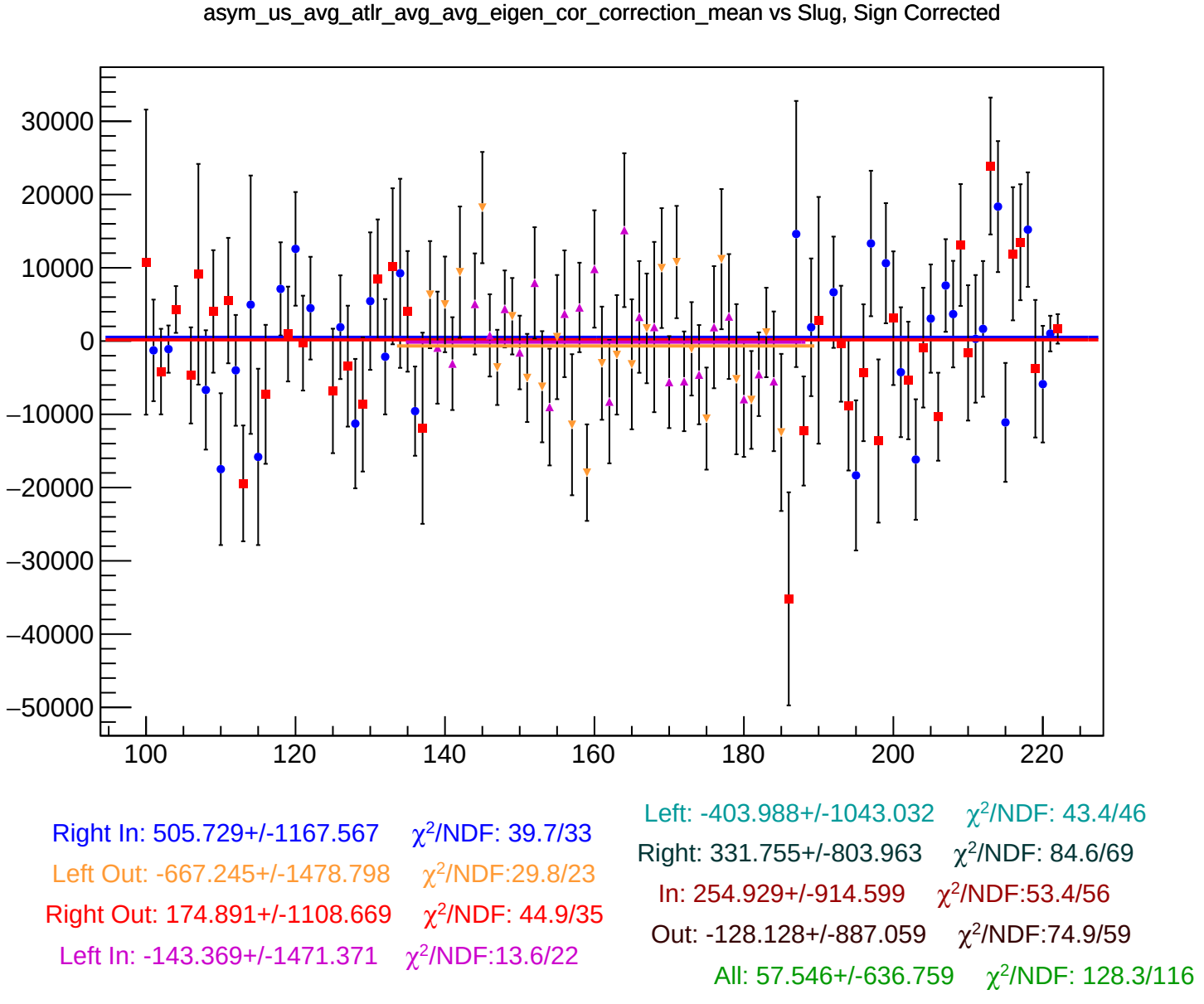
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1833.974+/-0.199 χ^2/NDF: 1821735.8/69

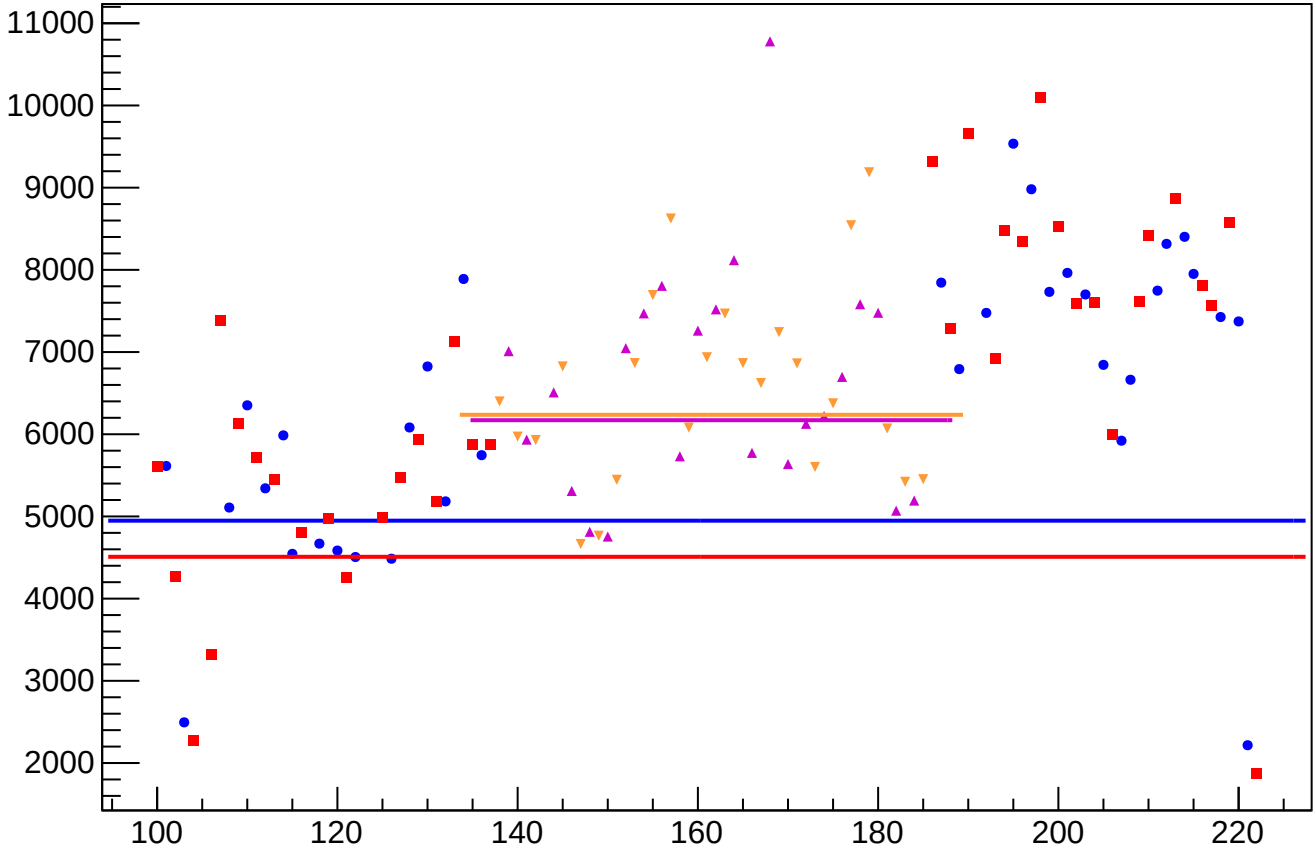
In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1821.578+/-0.205 χ^2/NDF:1513257.9/59

All: 1819.952+/-0.144 χ^2/NDF: 1872221.6/11


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 505.729+/-1167.567 χ²/NDF: 39.7/33
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 174.891+/-1108.669 χ²/NDF: 44.9/35
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 331.755+/-803.963 χ²/NDF: 84.6/69
In: 254.929+/-914.599 χ²/NDF:53.4/56
Out: -128.128+/-887.059 χ²/NDF:74.9/59
All: 57.546+/-636.759 χ²/NDF: 128.3/116

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4948.384+/-0.826 χ^2/NDF: 7515504.4/33

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4508.871+/-0.784 χ^2/NDF: 10235444.8/35

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

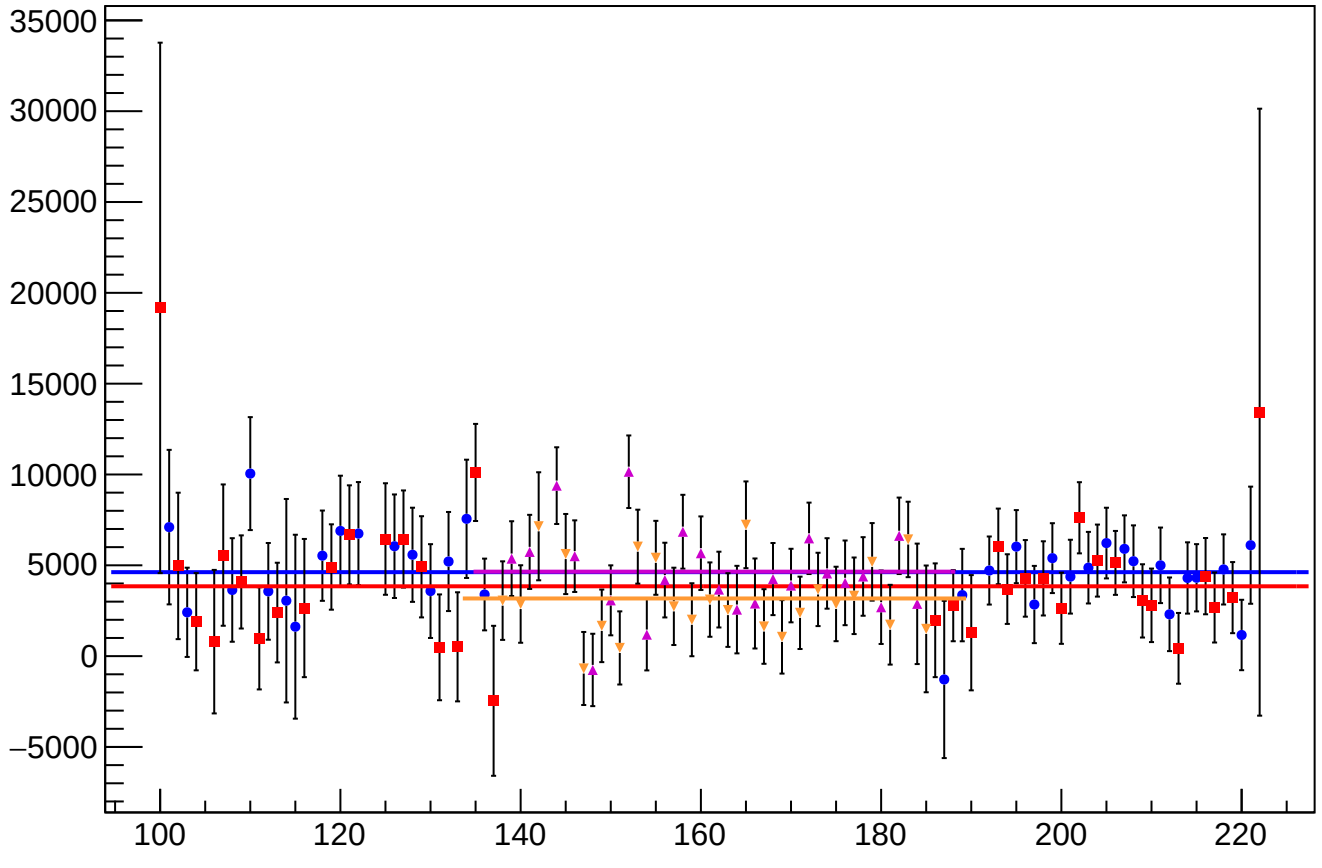
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4717.262+/-0.568 χ^2/NDF: 17899980.4/69

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 5130.558+/-0.627 χ^2/NDF:13050871.7/59

All: 5271.194+/-0.450 χ^2/NDF: 22754713.4/1



Right In: 4622.849+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3844.531+/-409.060 χ^2/NDF: 29.4/35

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

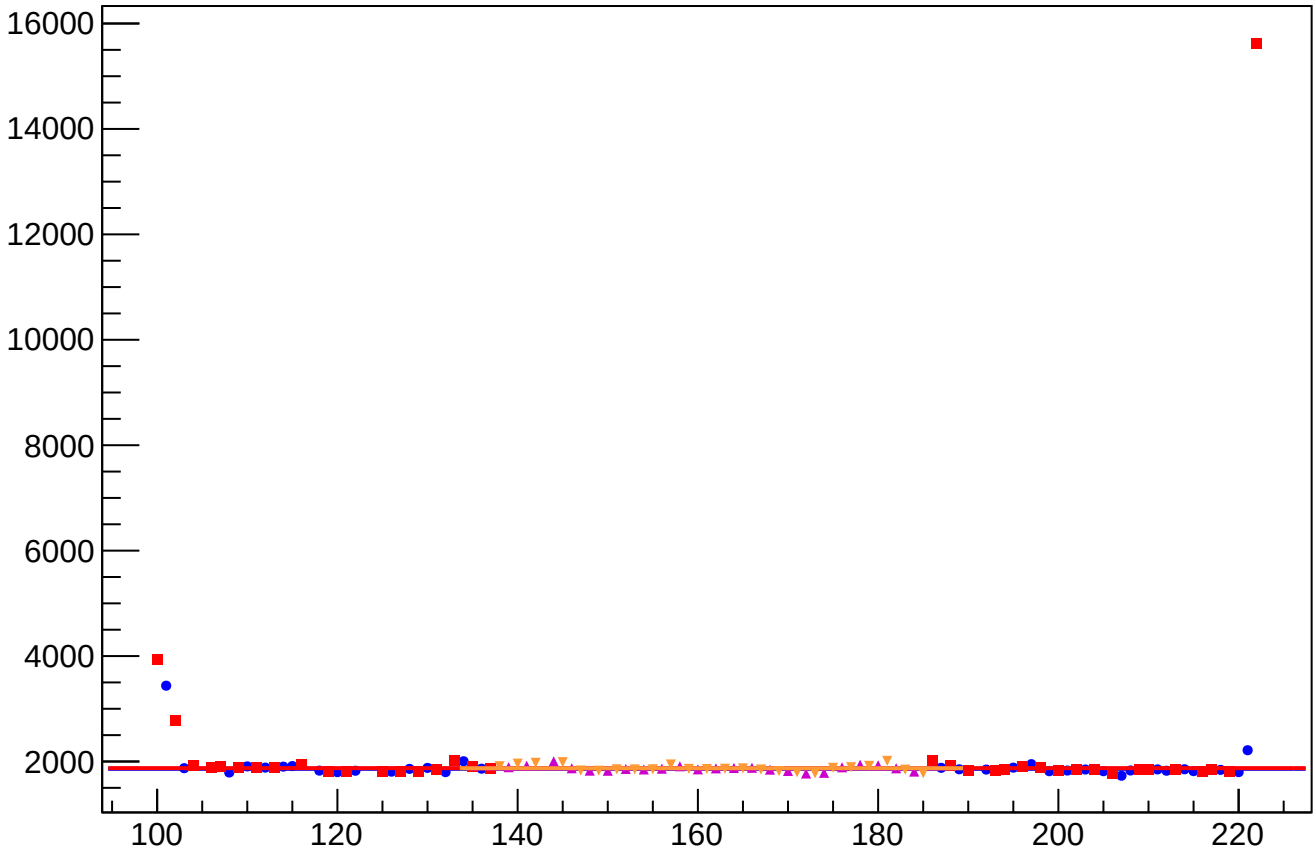
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4239.698+/-287.008 χ^2/NDF: 48.8/69

In: 4635.558+/-295.924 χ^2/NDF:48.0/56

Out: 3529.970+/-297.938 χ^2/NDF:52.2/59

All: 4086.514+/-209.958 χ^2/NDF: 107.2/116



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: 1873.691+/-0.289 χ^2/NDF: 1531552.0/35

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

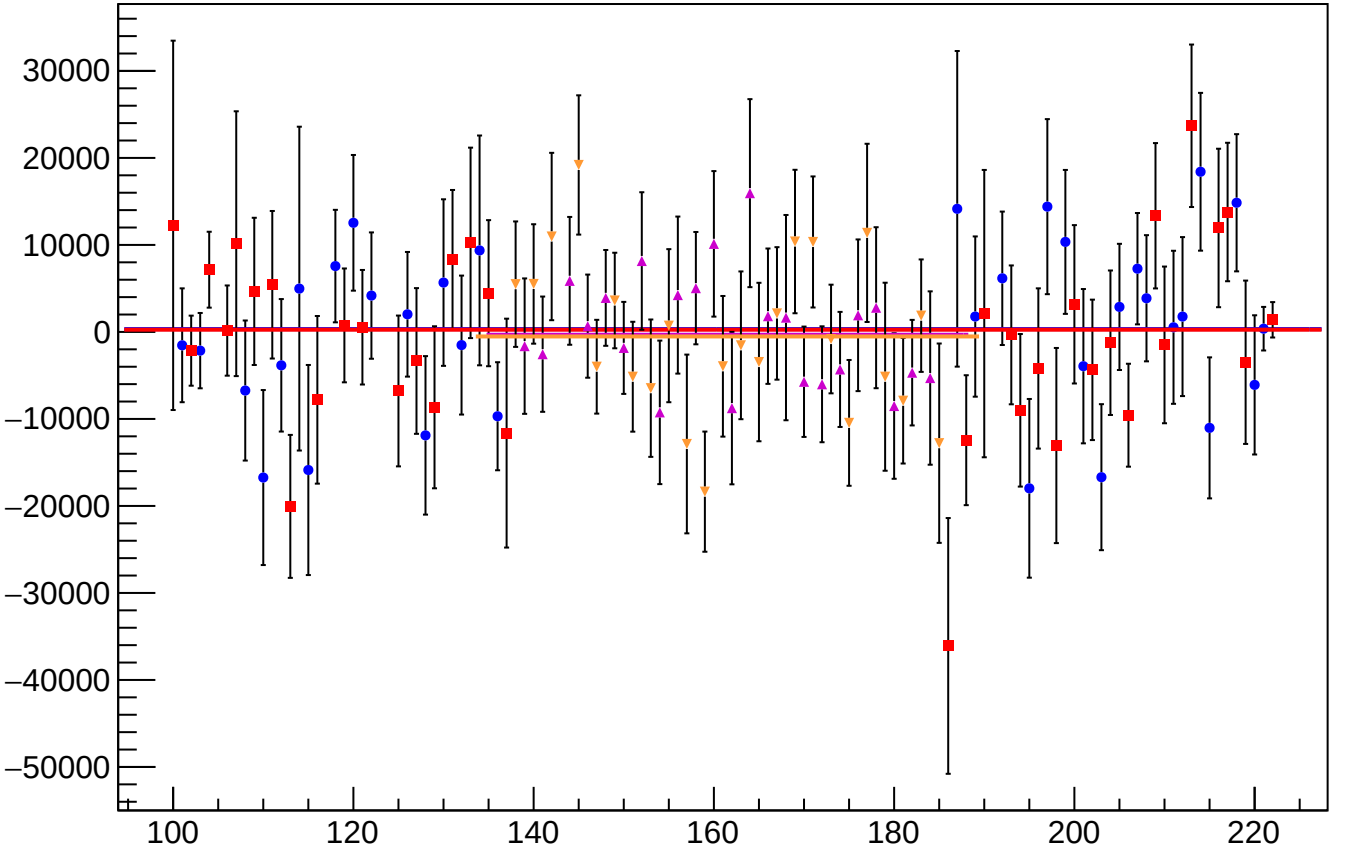
Right: 1867.329+/-0.203 χ^2/NDF: 1862310.4/69

In: 1863.883+/-0.209 χ^2/NDF:357250.4/56

Out: 1872.888+/-0.211 χ^2/NDF:1568723.3/59

All: 1868.355+/-0.148 χ^2/NDF: 1926893.5/11

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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: 257.458+/-1114.532 χ^2/NDF: 44.5/35

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

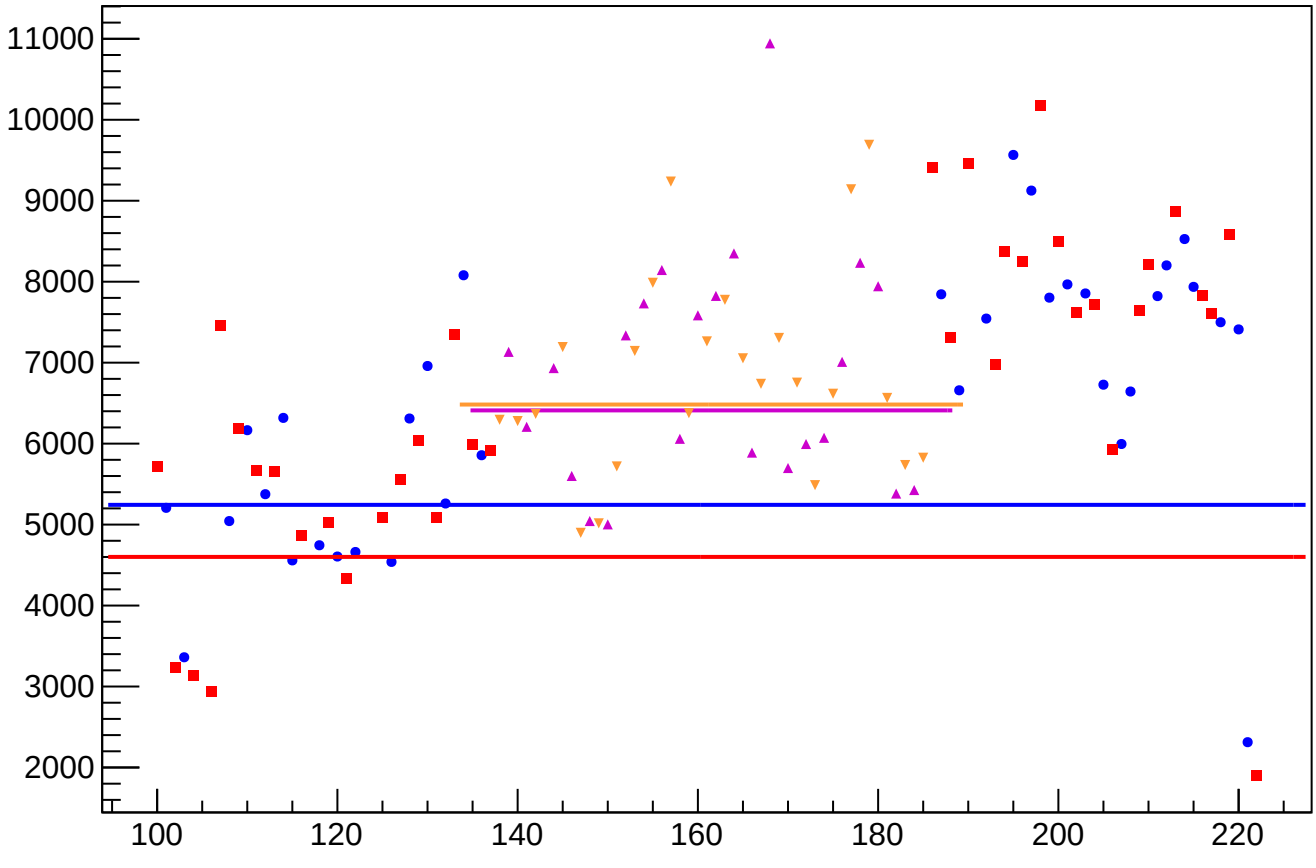
Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

Right: 288.317+/-821.484 χ^2/NDF: 83.7/69

In: 73.239+/-951.254 χ^2/NDF:52.7/56

Out: -10.605+/-902.235 χ^2/NDF:73.9/59

All: 29.101+/-654.620 χ^2/NDF: 126.6/116



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: 4600.853+/-0.788 χ^2/NDF: 9642568.8/35

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

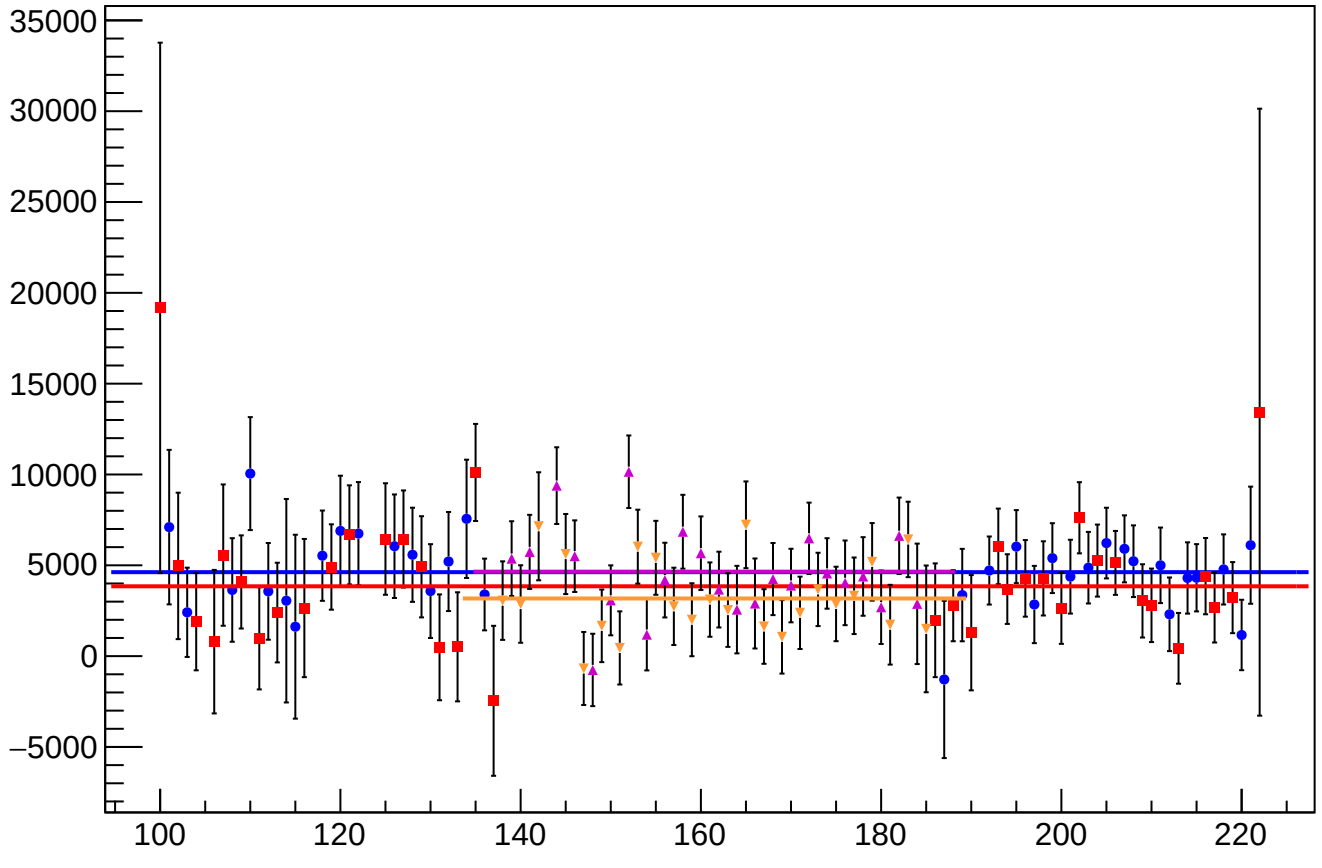
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 4894.516+/-0.581 χ^2/NDF: 16211868.8/69

In: 5695.956+/-0.673 χ^2/NDF:8199108.3/56

Out: 5249.495+/-0.638 χ^2/NDF:12682510.5/59

All: 5460.926+/-0.463 χ^2/NDF: 21113541.7/1



Right In: 4622.846+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3844.531+/-409.060 χ^2/NDF: 29.4/35

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

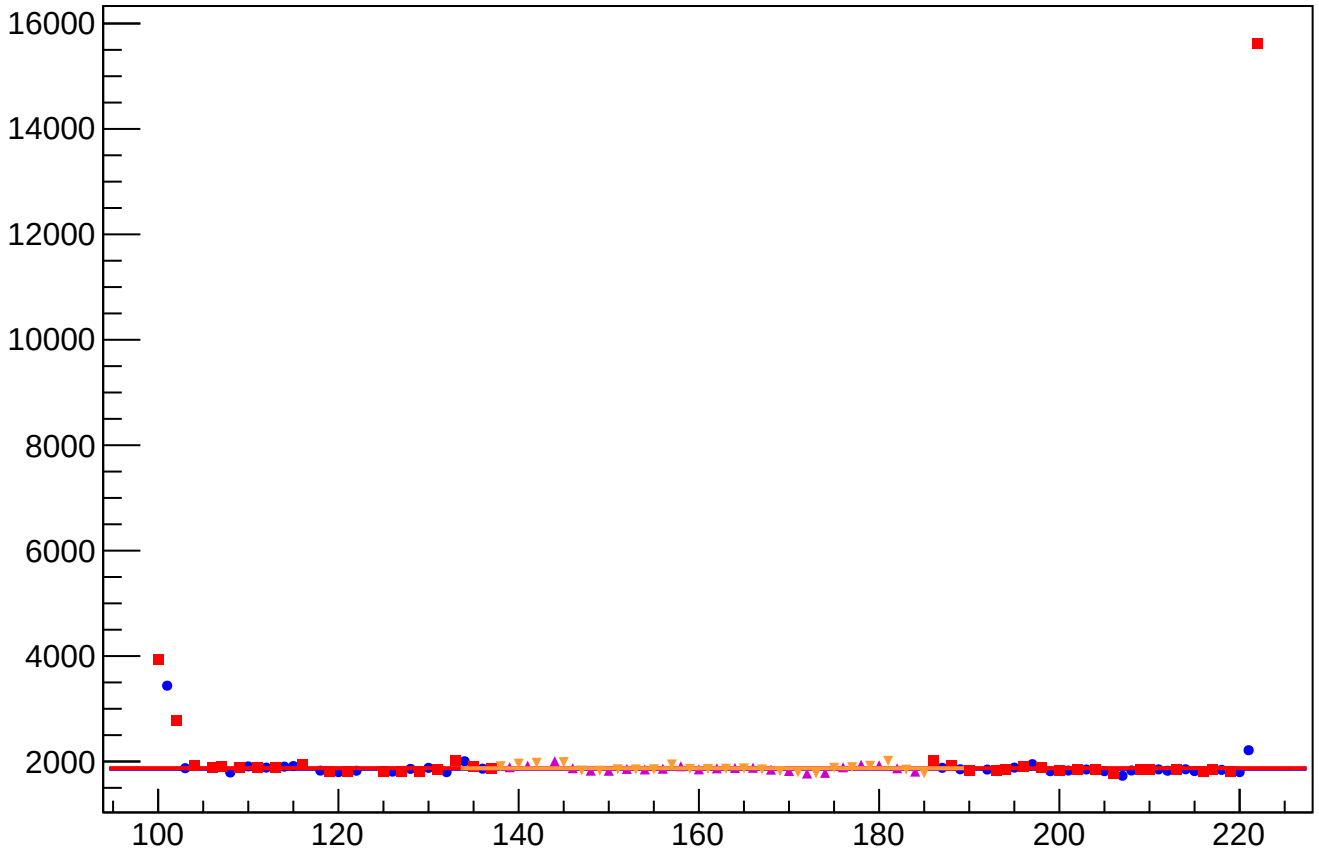
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4239.695+/-287.008 χ^2/NDF: 48.8/69

In: 4635.556+/-295.924 χ^2/NDF:48.0/56

Out: 3529.966+/-297.938 χ^2/NDF:52.2/59

All: 4086.512+/-209.958 χ^2/NDF: 107.2/116



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: 1873.690+/-0.289 χ^2/NDF: 1531551.1/35

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

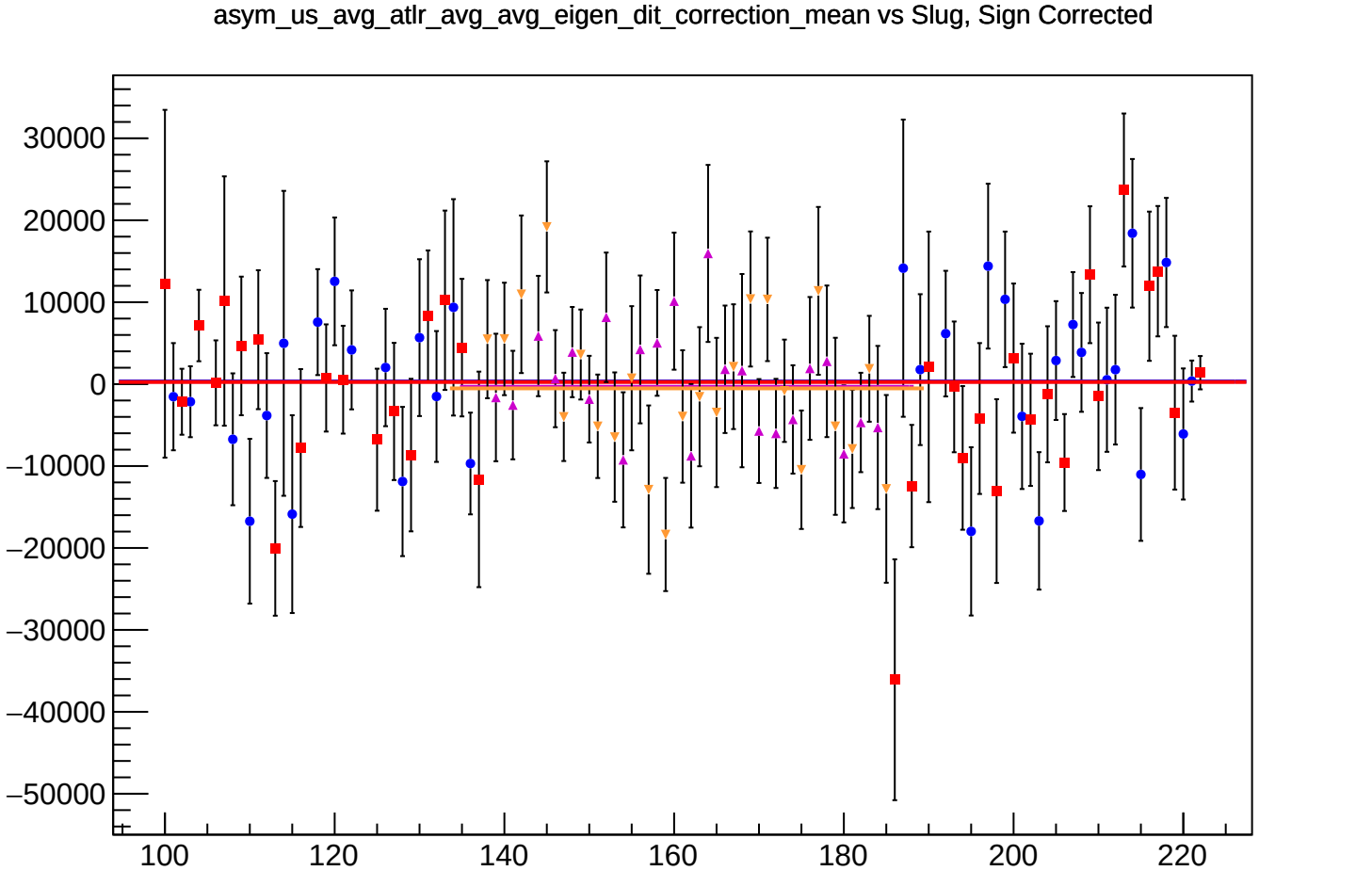
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1867.329+/-0.203 χ^2/NDF: 1862309.6/69

In: 1863.883+/-0.209 χ^2/NDF:357251.7/56

Out: 1872.888+/-0.211 χ^2/NDF:1568723.4/59

All: 1868.356+/-0.148 χ^2/NDF: 1926895.0/11



Right In: 325.022+/-1215.535 χ^2/NDF: 39.2/33

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: 257.459+/-1114.532 χ^2/NDF: 44.5/35

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

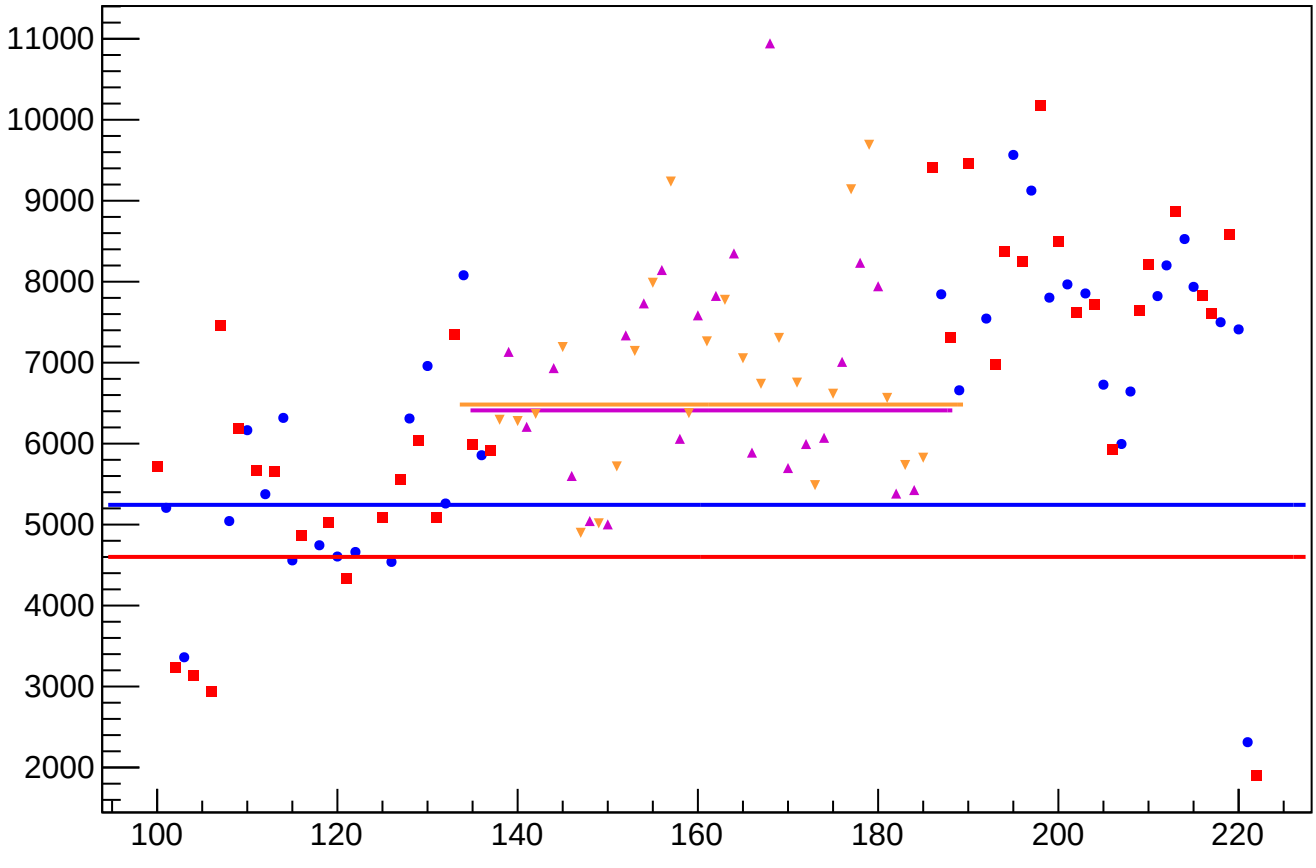
Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

Right: 288.318+/-821.484 χ^2/NDF: 83.7/69

In: 73.240+/-951.254 χ^2/NDF:52.7/56

Out: -10.606+/-902.236 χ^2/NDF:73.9/59

All: 29.101+/-654.620 χ^2/NDF: 126.6/116



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: 4600.852+/-0.788 χ^2/NDF: 9642566.1/35

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

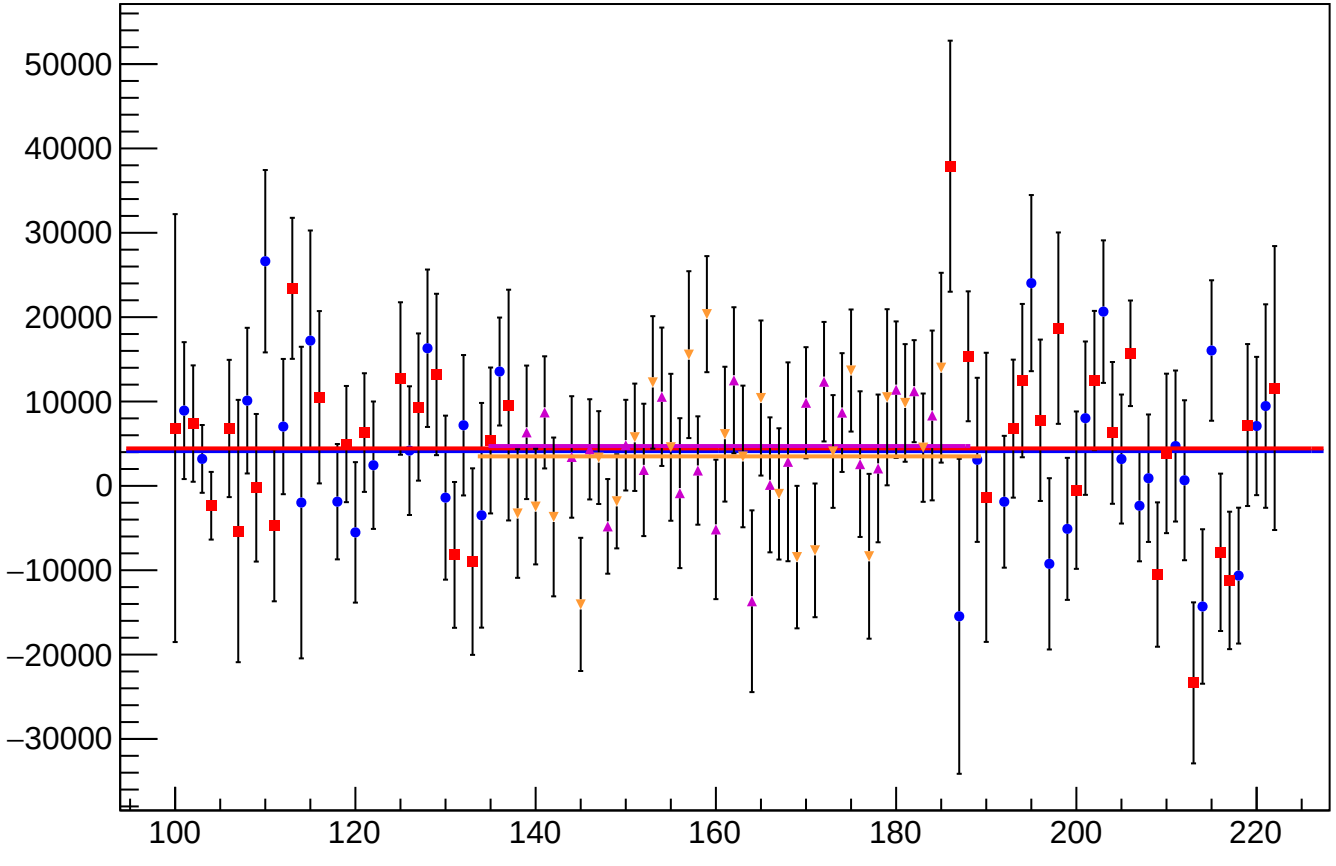
Right: 4894.515+/-0.581 χ^2/NDF: 16211880.5/69

In: 5695.957+/-0.673 χ^2/NDF:8199140.4/56

Out: 5249.496+/-0.638 χ^2/NDF:12682529.7/59

All: 5460.928+/-0.463 χ^2/NDF: 21113592.8/1

asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4120.885+/-1422.406 χ^2/NDF: 36.7/33

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 4439.533+/-1436.974 χ^2/NDF: 47.7/35

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

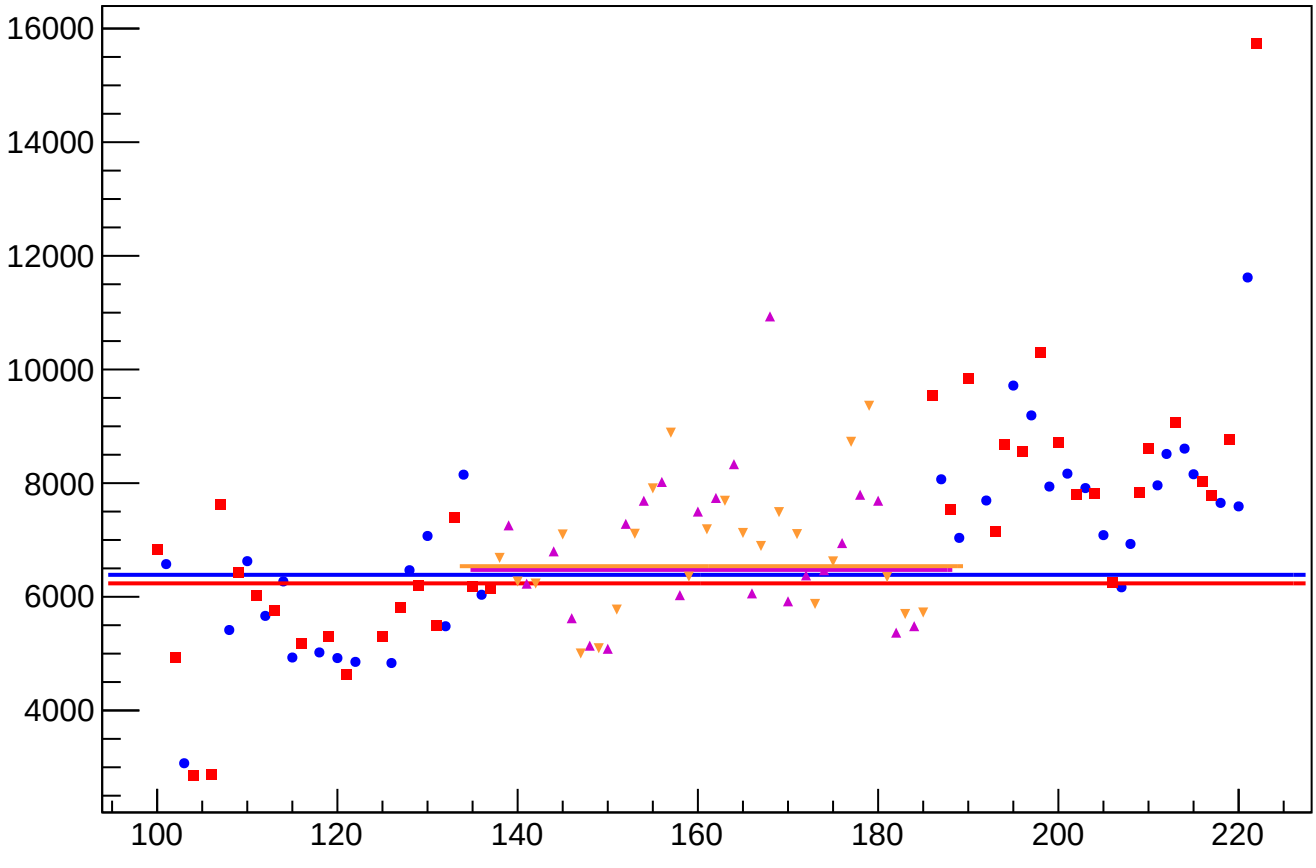
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4278.586+/-1010.904 χ^2/NDF: 84.4/69

In: 4396.643+/-1044.638 χ^2/NDF:51.0/56

Out: 4002.696+/-1052.478 χ^2/NDF:75.4/59

All: 4201.142+/-741.427 χ^2/NDF: 126.5/116



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: 6236.437+/-1.004 χ^2/NDF: 4709166.3/35

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

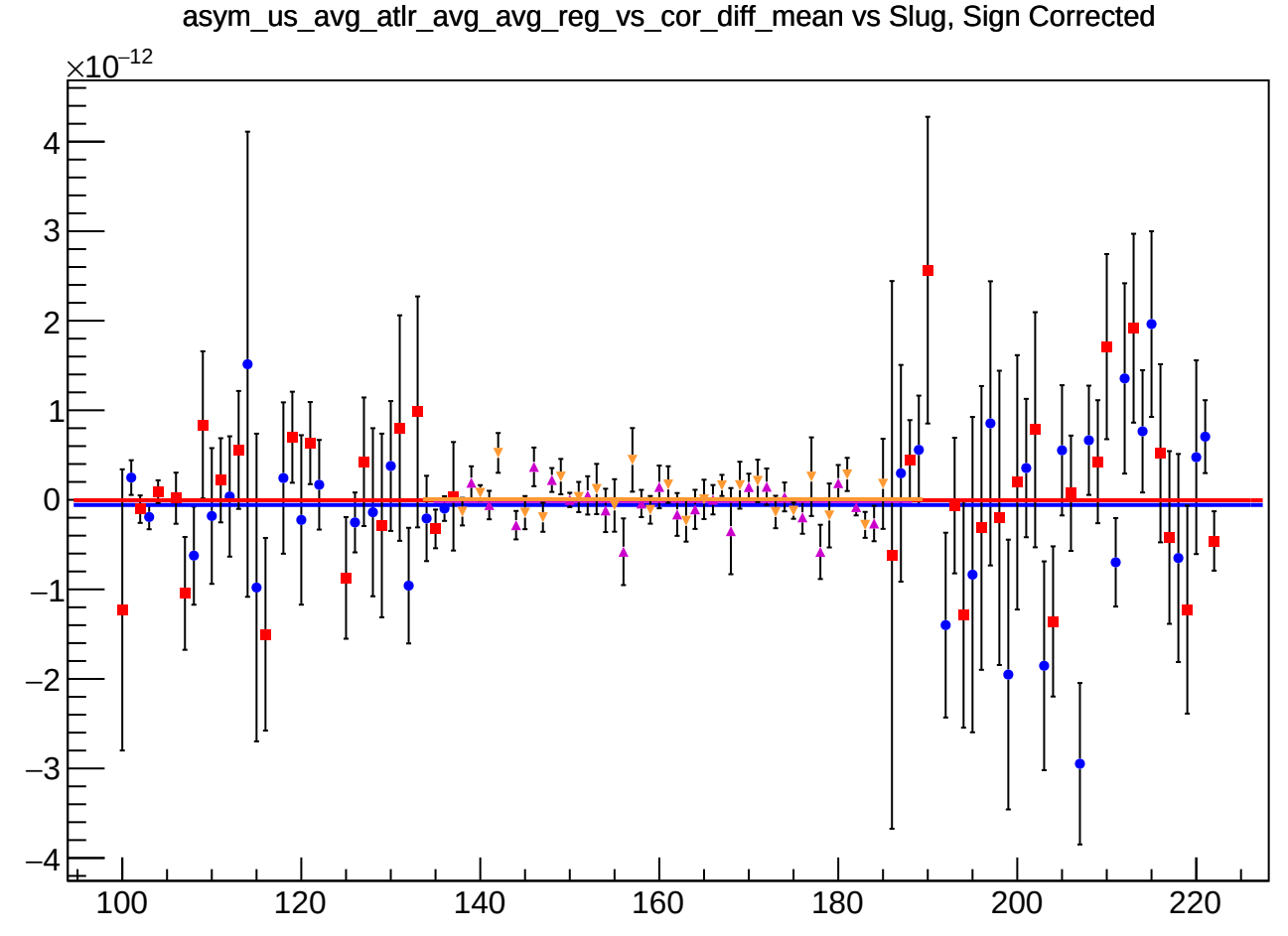
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6311.433+/-0.711 χ^2/NDF: 8048017.3/69

In: 6426.633+/-0.739 χ^2/NDF:4402880.2/56

Out: 6374.828+/-0.740 χ^2/NDF:5671237.1/59

All: 6400.764+/-0.523 χ^2/NDF: 10076573.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/35

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

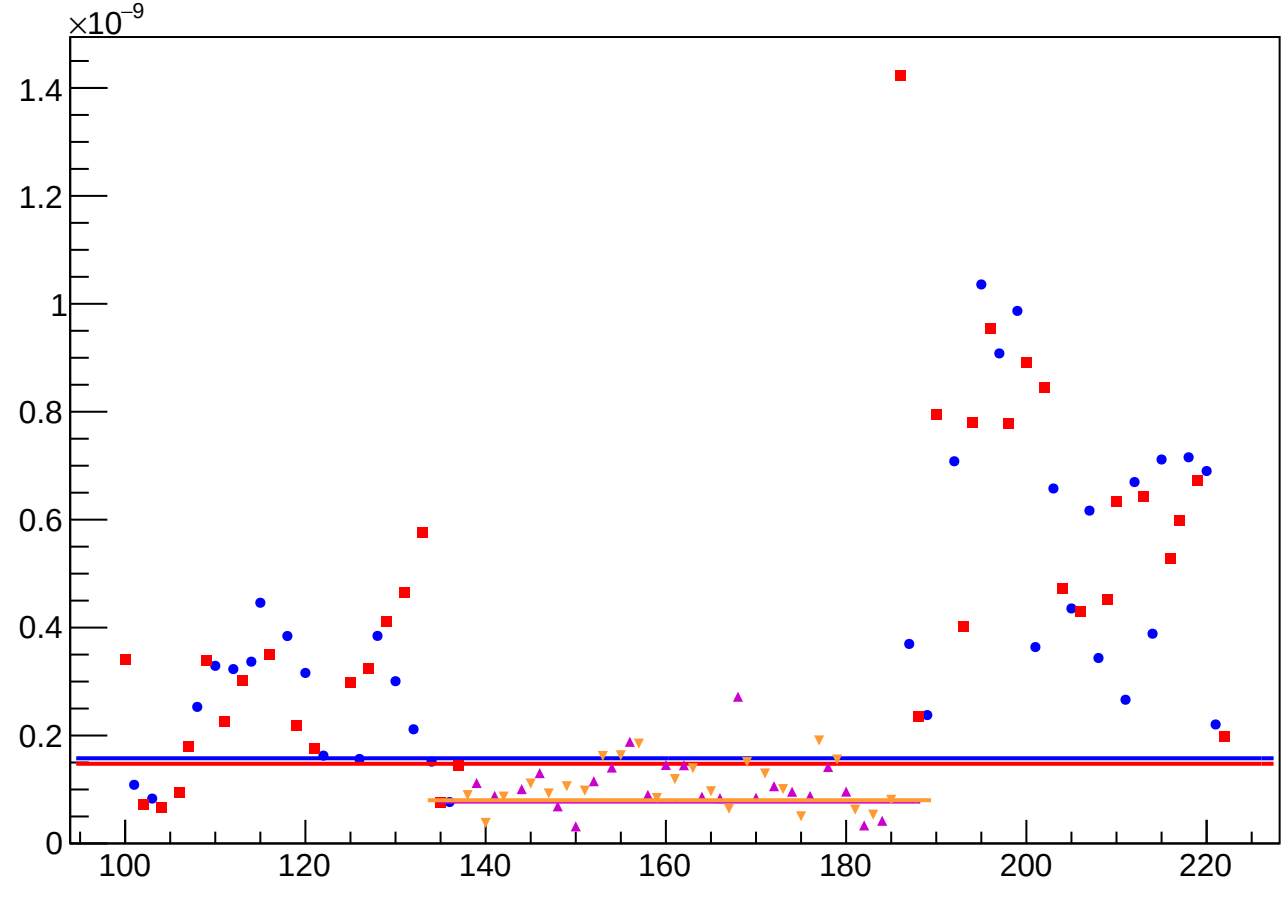
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 76.0/69

In: -0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:61.8/59

All: -0.000+/-0.000 χ^2/NDF: 127.5/116



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: 9235375.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

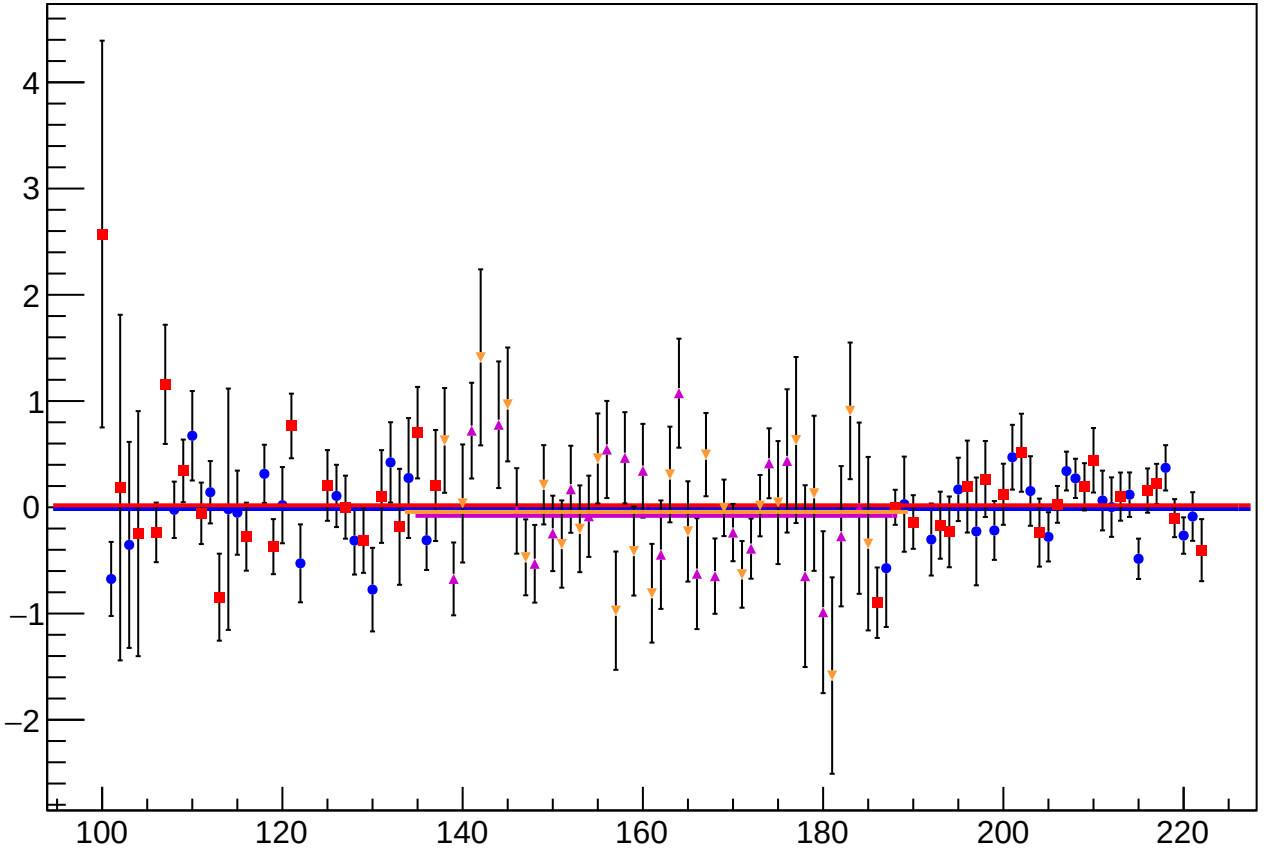
Right: 0.000+/-0.000 χ^2/NDF: 17495056.5/69

In: 0.000+/-0.000 χ^2/NDF:12920755.3/56

Out: 0.000+/-0.000 χ^2/NDF:12837485.8/59

All: 0.000+/-0.000 χ^2/NDF: 25758723.3/116

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: 0.019+/-0.048 χ^2/NDF: 45.1/35

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

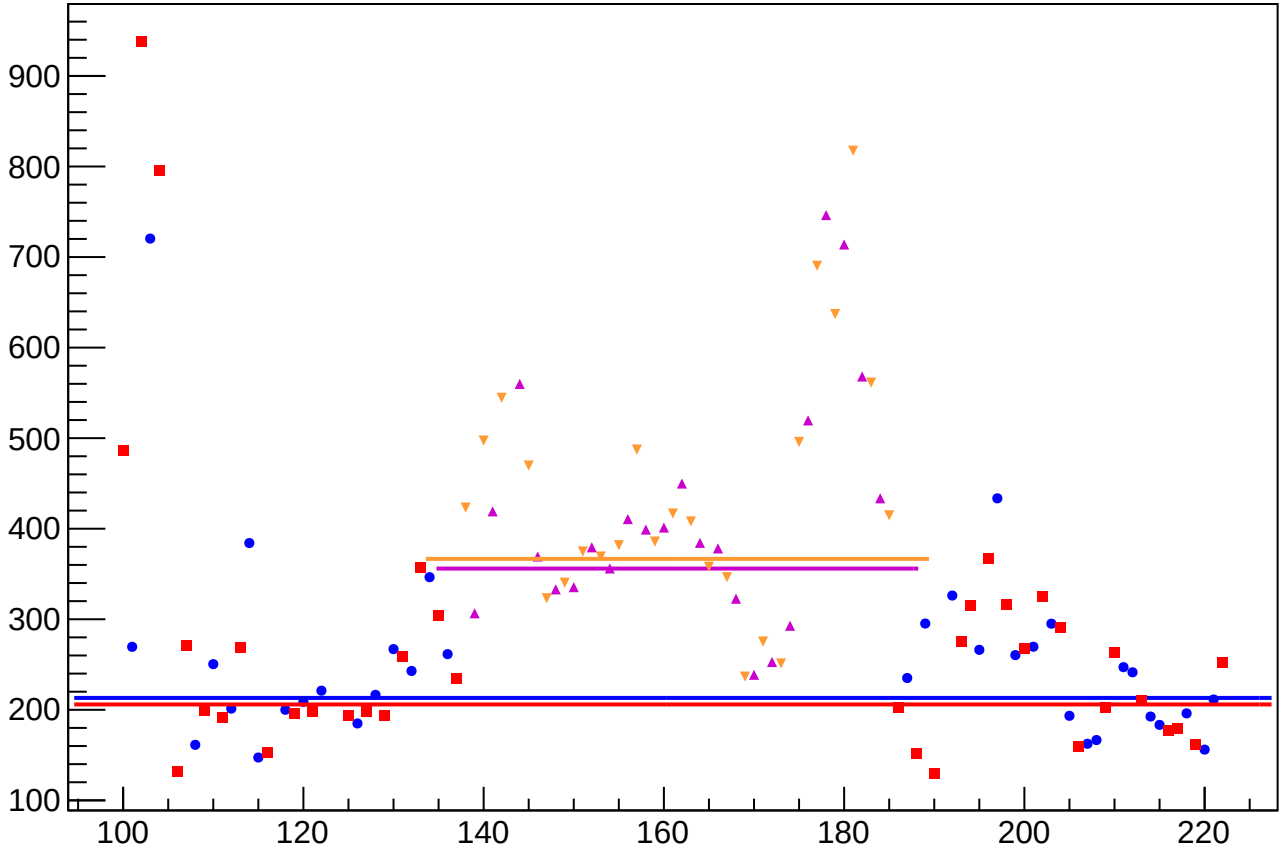
Right: 0.001+/-0.034 χ^2/NDF: 88.2/69

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.005+/-0.043 χ^2/NDF:76.5/59

All: -0.013+/-0.030 χ^2/NDF: 150.4/116

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: 205.922+/-0.034 χ^2/NDF: 3645693.1/35

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

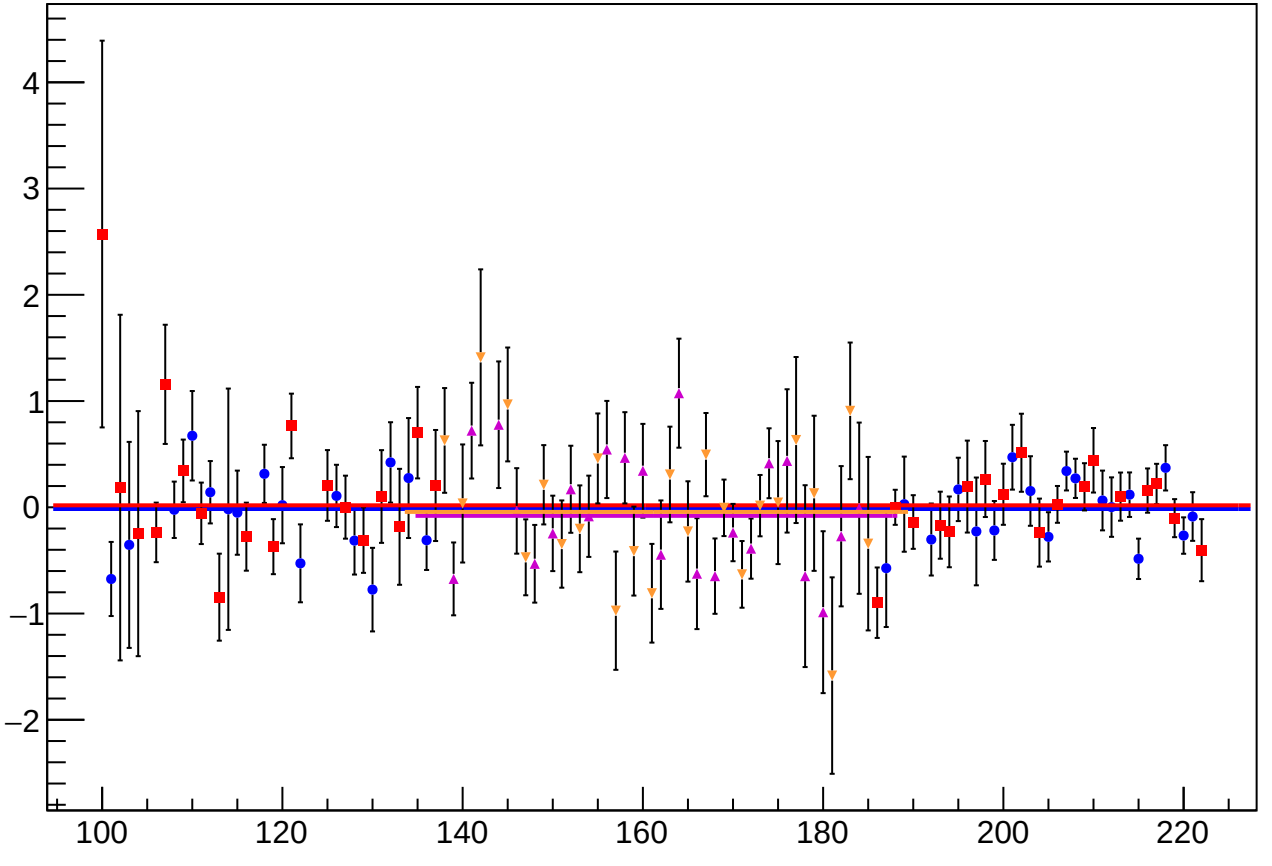
Right: 209.488+/-0.024 χ^2/NDF: 6343654.2/69

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.407+/-0.030 χ^2/NDF:11408547.7/59

All: 244.090+/-0.021 χ^2/NDF: 20571368.7/11

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: 0.019+/-0.048 χ^2/NDF: 45.1/35

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

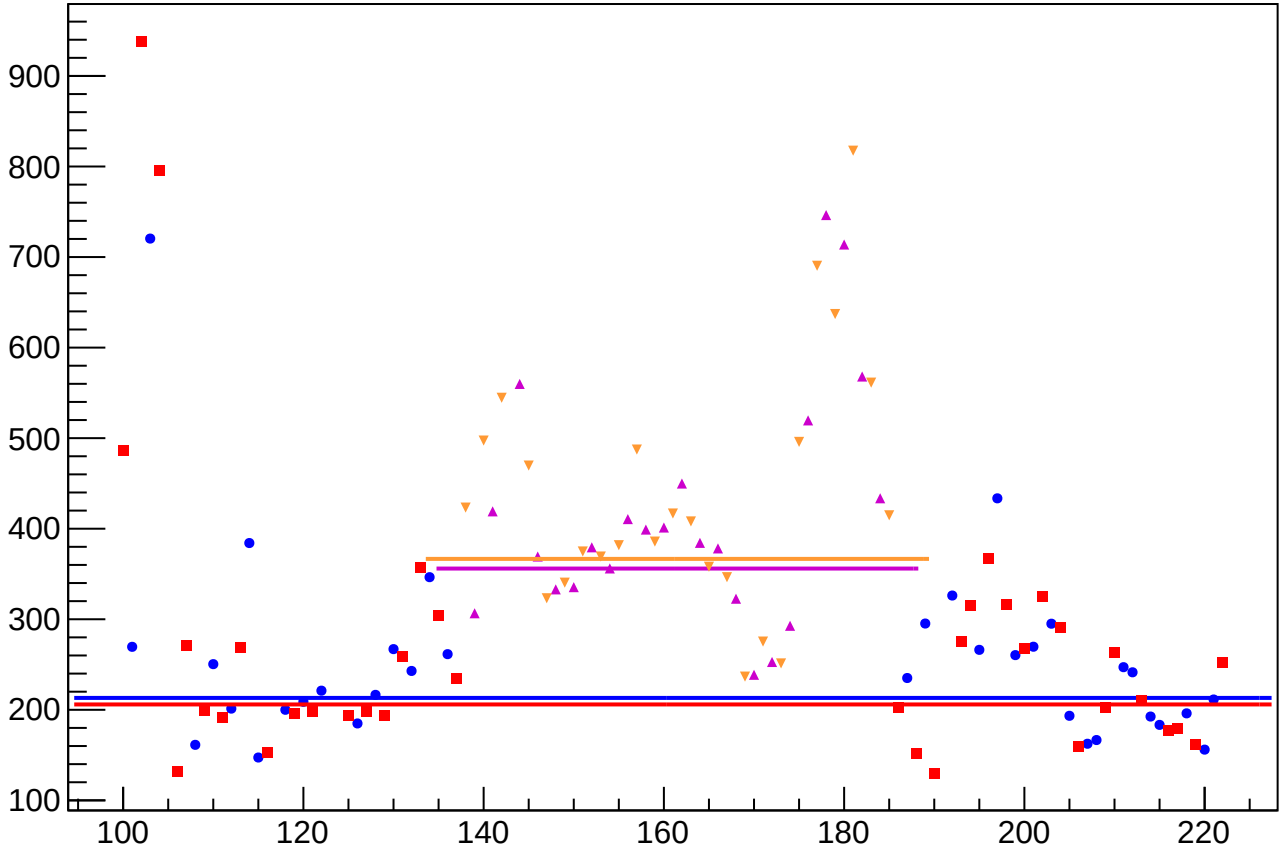
Right: 0.001+/-0.034 χ^2/NDF: 88.2/69

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.005+/-0.043 χ^2/NDF:76.5/59

All: -0.013+/-0.030 χ^2/NDF: 150.4/116

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: 205.922+/-0.034 χ^2/NDF: 3645693.1/35

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

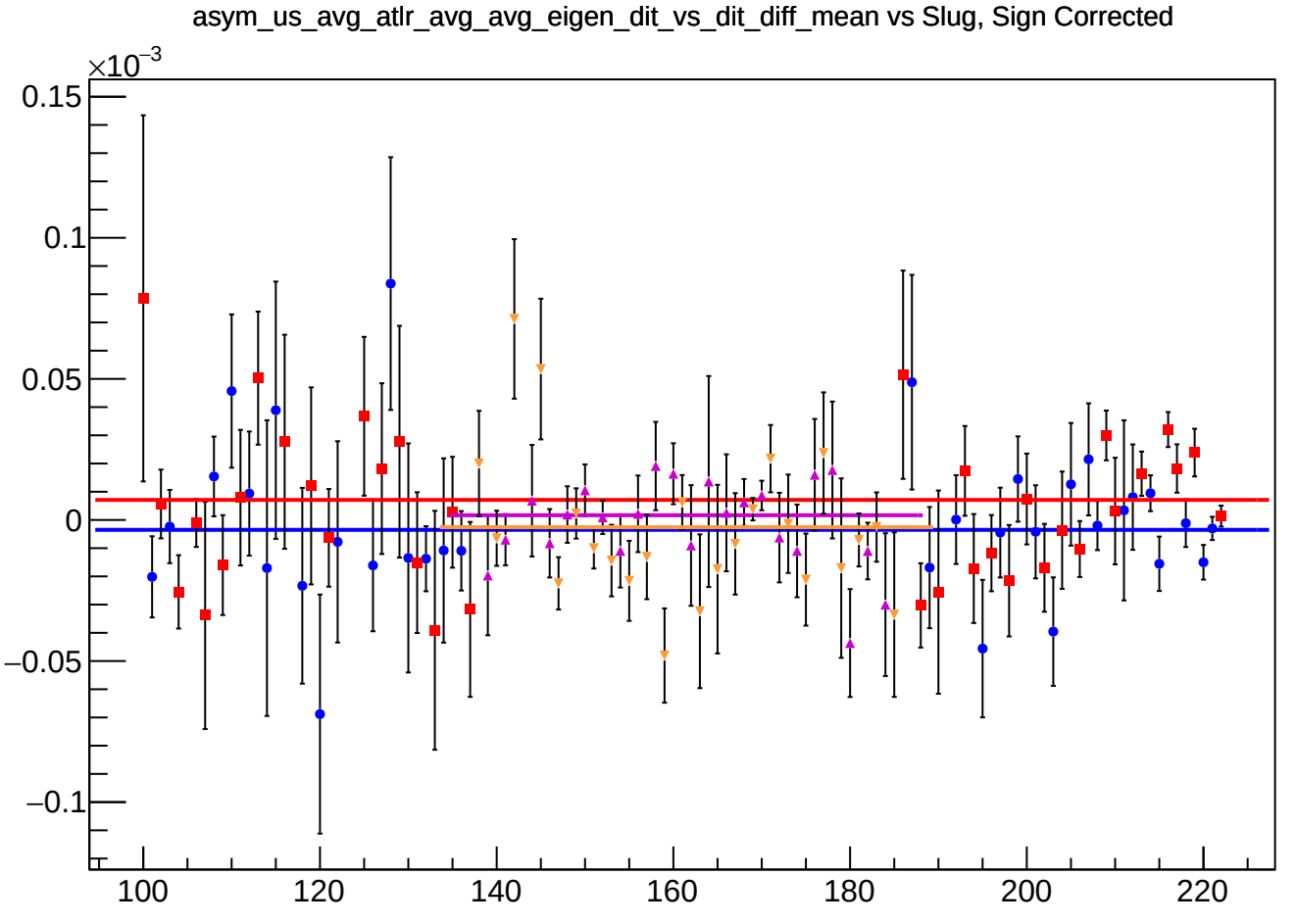
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 209.488+/-0.024 χ^2/NDF: 6343654.2/69

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.407+/-0.030 χ^2/NDF:11408547.7/59

All: 244.090+/-0.021 χ^2/NDF: 20571368.7/11



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: 73.2/35

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

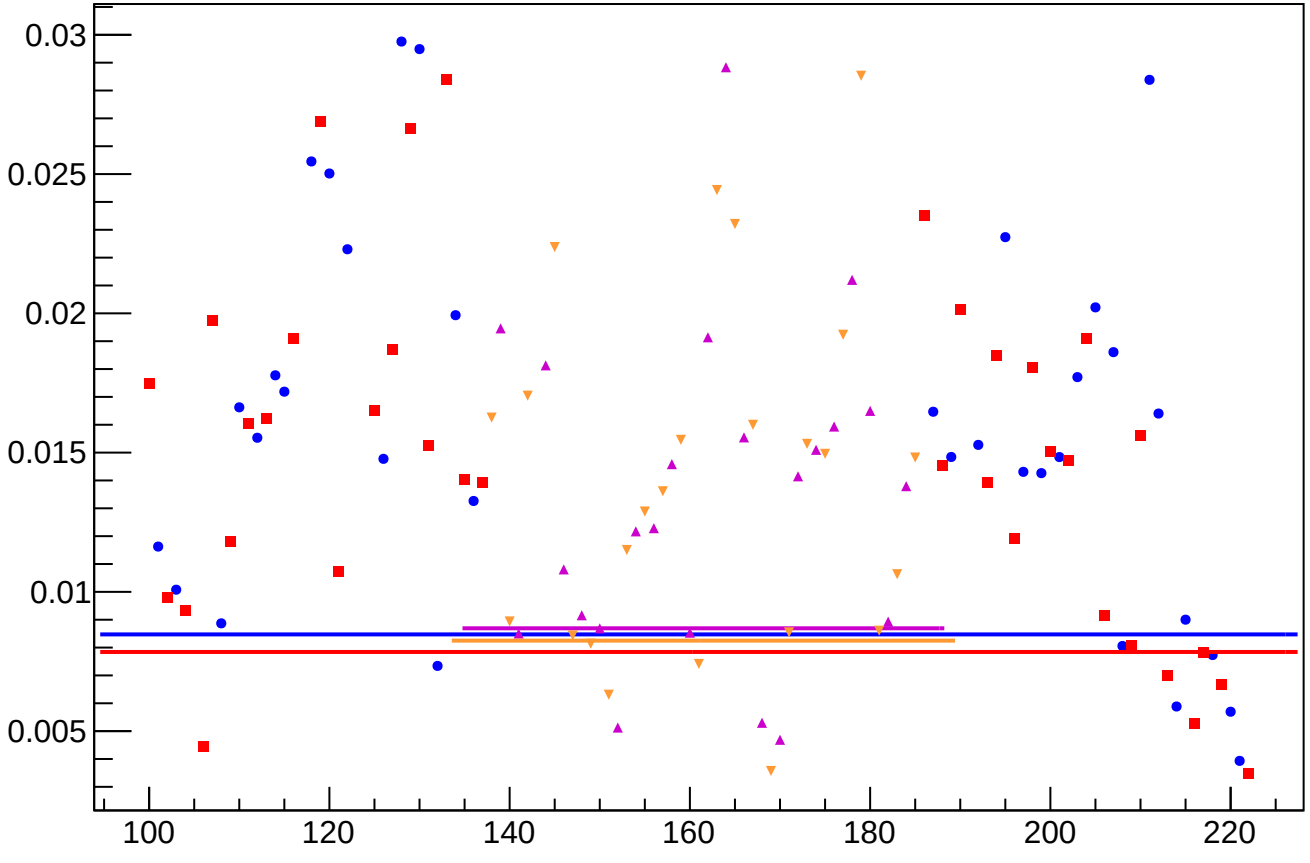
Right: 0.000+/-0.000 χ^2/NDF: 124.1/69

In: -0.000+/-0.000 χ^2/NDF:61.2/56

Out: 0.000+/-0.000 χ^2/NDF:126.9/59

All: 0.000+/-0.000 χ^2/NDF: 191.4/116

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: 0.008+/-0.000 χ^2/NDF: 11340673.8/35

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

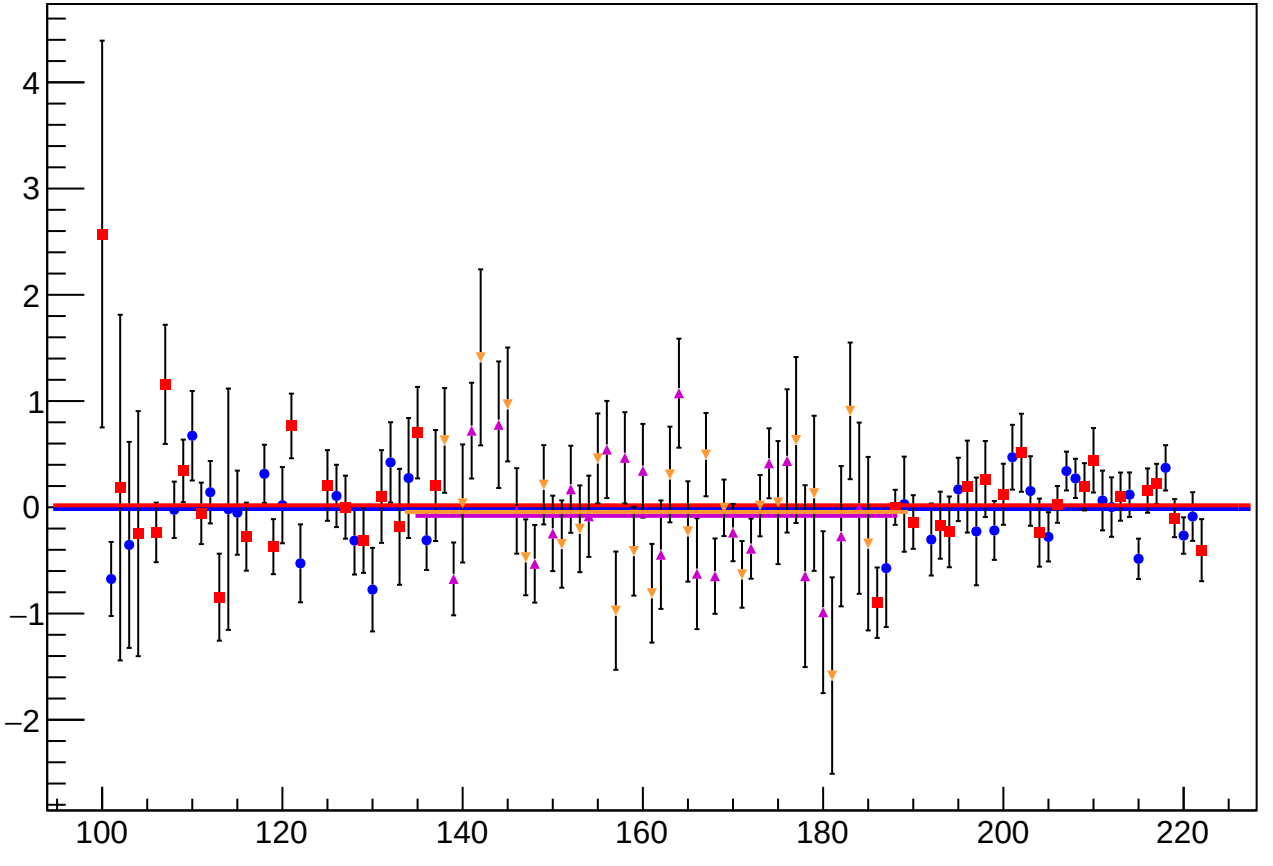
Right: 0.008+/-0.000 χ^2/NDF: 22889568.2/69

In: 0.009+/-0.000 χ^2/NDF:18341287.9/56

Out: 0.008+/-0.000 χ^2/NDF:20256300.6/59

All: 0.008+/-0.000 χ^2/NDF: 38724526.7/116

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: 0.019+/-0.048 χ^2/NDF: 45.1/35

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

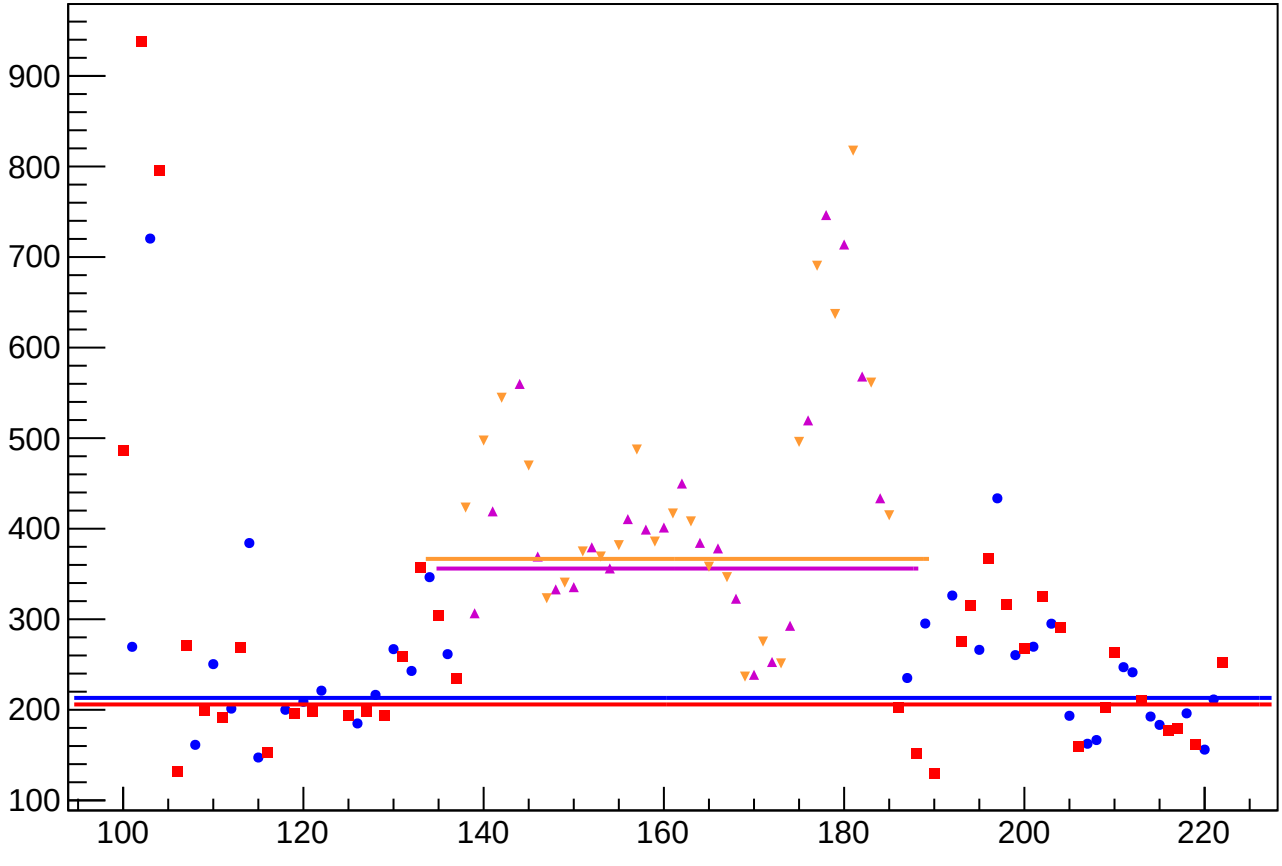
Right: 0.001+/-0.034 χ^2/NDF: 88.3/69

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.005+/-0.042 χ^2/NDF:76.5/59

All: -0.013+/-0.030 χ^2/NDF: 150.4/116

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: 205.919+/-0.034 χ^2/NDF: 3645760.9/35

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

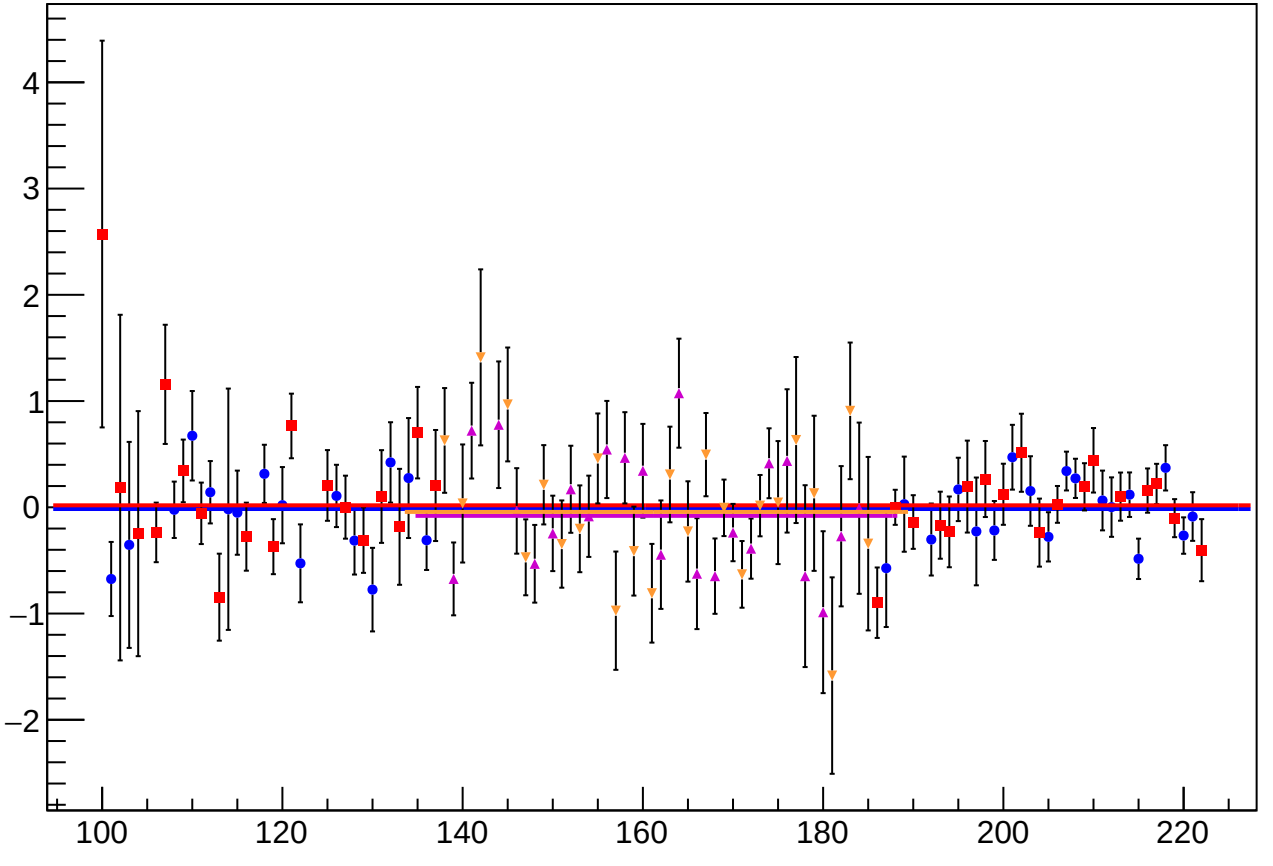
Right: 209.486+/-0.024 χ^2/NDF: 6343753.8/69

In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.405+/-0.030 χ^2/NDF:11408992.5/59

All: 244.089+/-0.021 χ^2/NDF: 20572110.2/11

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: 0.019+/-0.048 χ^2/NDF: 45.1/35

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

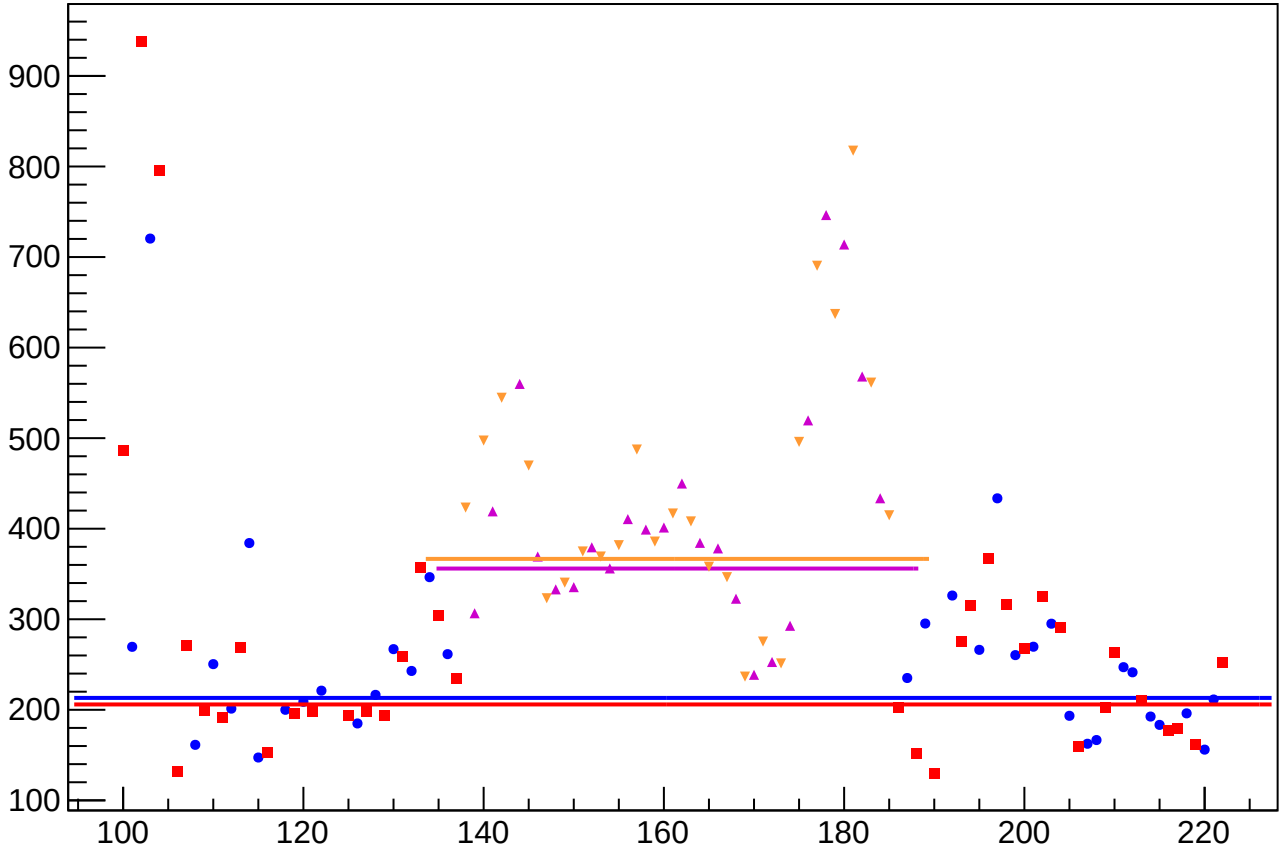
Right: 0.001+/-0.034 χ^2/NDF: 88.3/69

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.005+/-0.042 χ^2/NDF:76.5/59

All: -0.013+/-0.030 χ^2/NDF: 150.4/116

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: 205.919+/-0.034 χ^2/NDF: 3645760.9/35

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

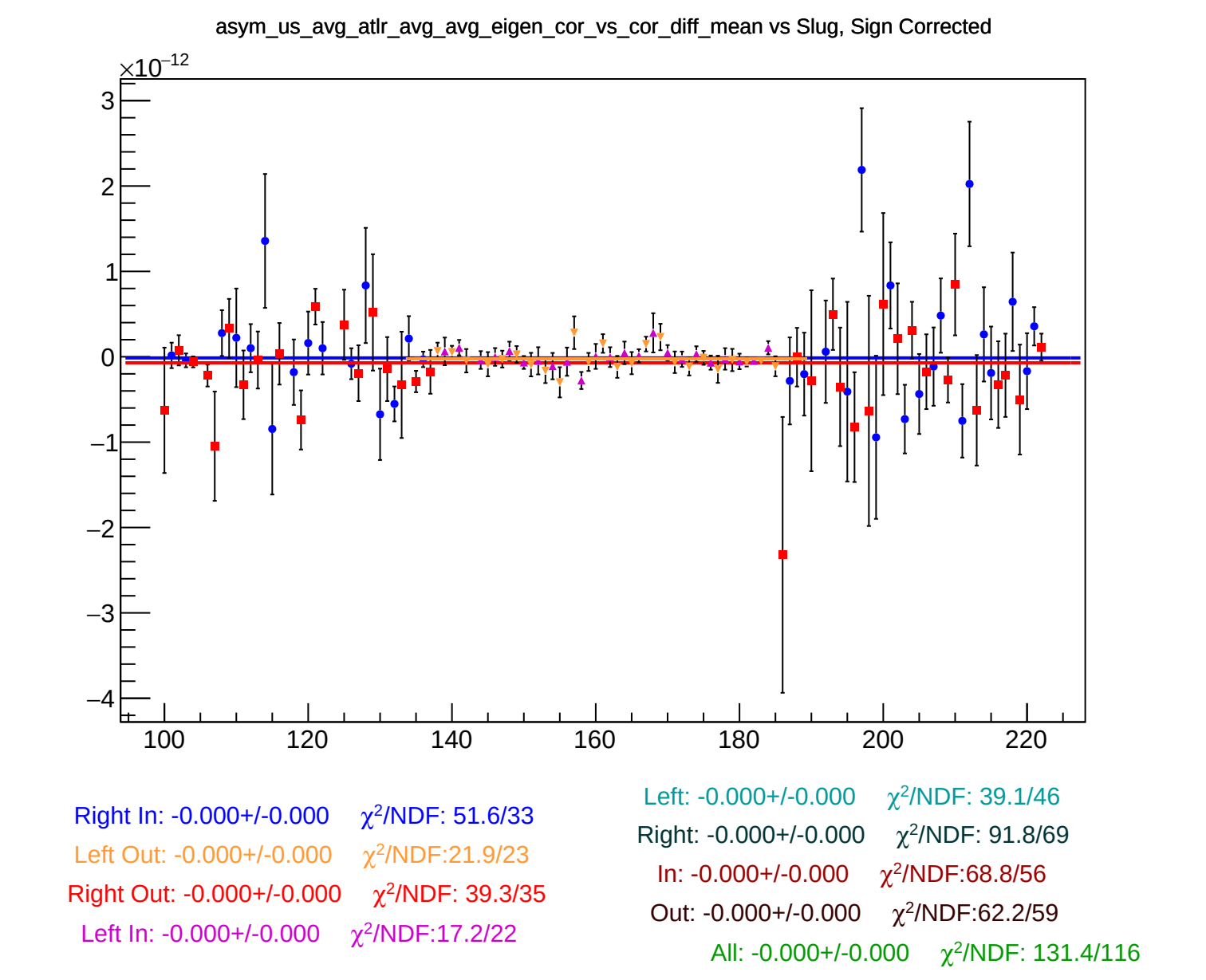
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

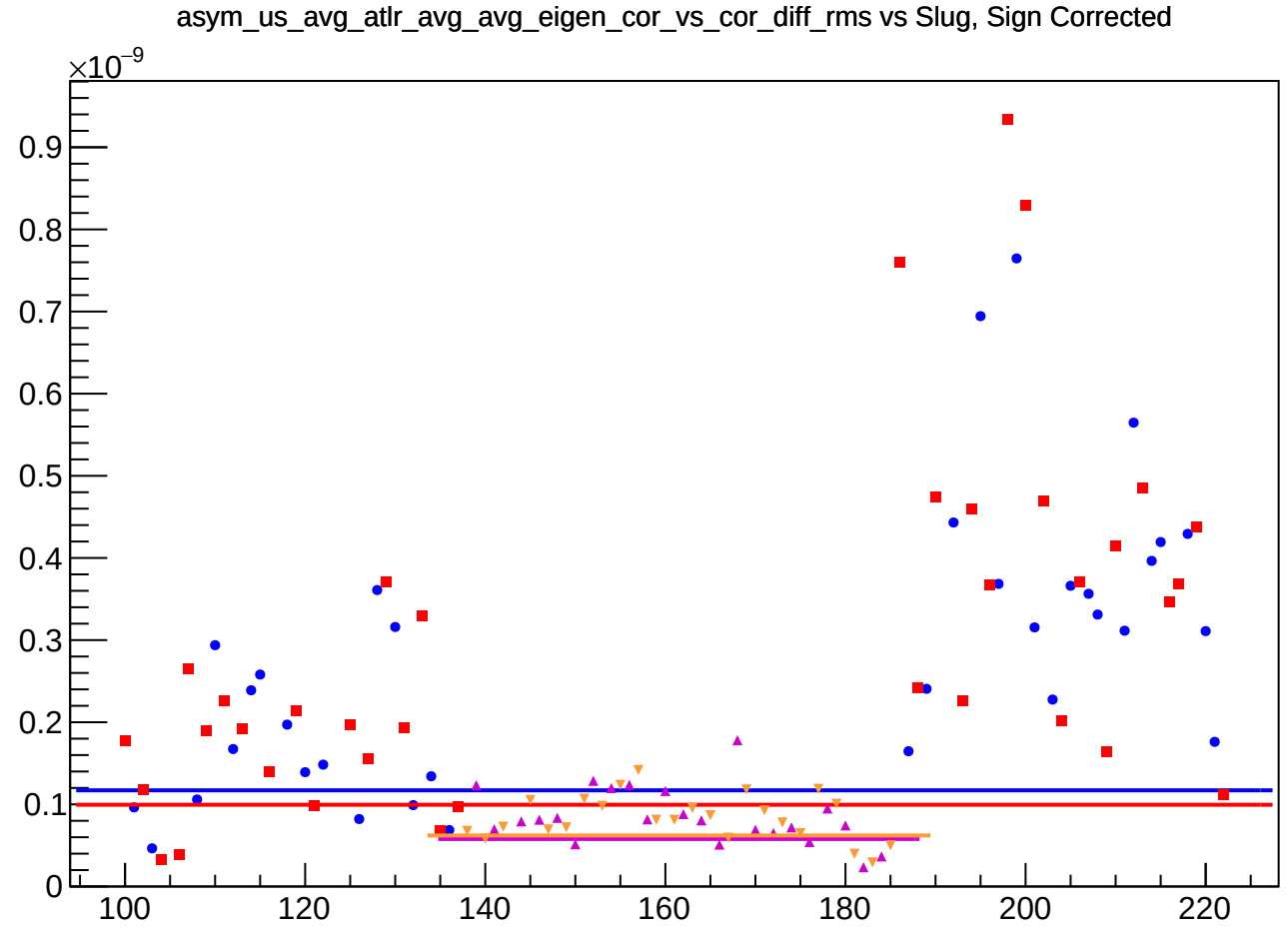
Right: 209.486+/-0.024 χ^2/NDF: 6343753.8/69

In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.405+/-0.030 χ^2/NDF:11408992.5/59

All: 244.089+/-0.021 χ^2/NDF: 20572110.2/11


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: 39.3/35
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: 91.8/69
In: -0.000+/-0.000 χ²/NDF:68.8/56
Out: -0.000+/-0.000 χ²/NDF:62.2/59
All: -0.000+/-0.000 χ²/NDF: 131.4/116



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: 12888530.3/35

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

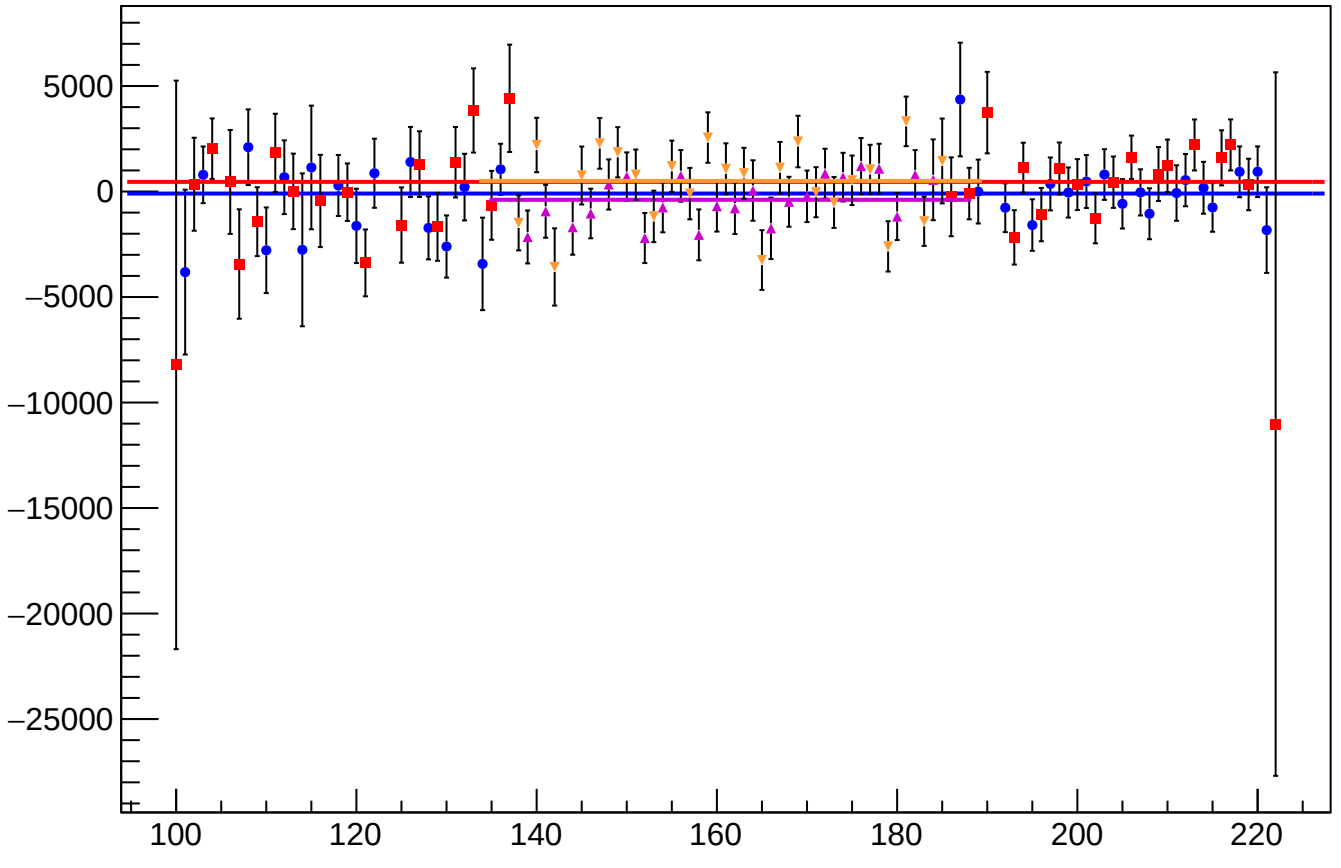
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 24261056.8/69

In: 0.000+/-0.000 χ^2/NDF:19873549.8/56

Out: 0.000+/-0.000 χ^2/NDF:18394449.0/59

All: 0.000+/-0.000 χ^2/NDF: 38283902.6/116



Right In: -95.591+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 457.549+/-248.952 χ^2/NDF: 40.3/35

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

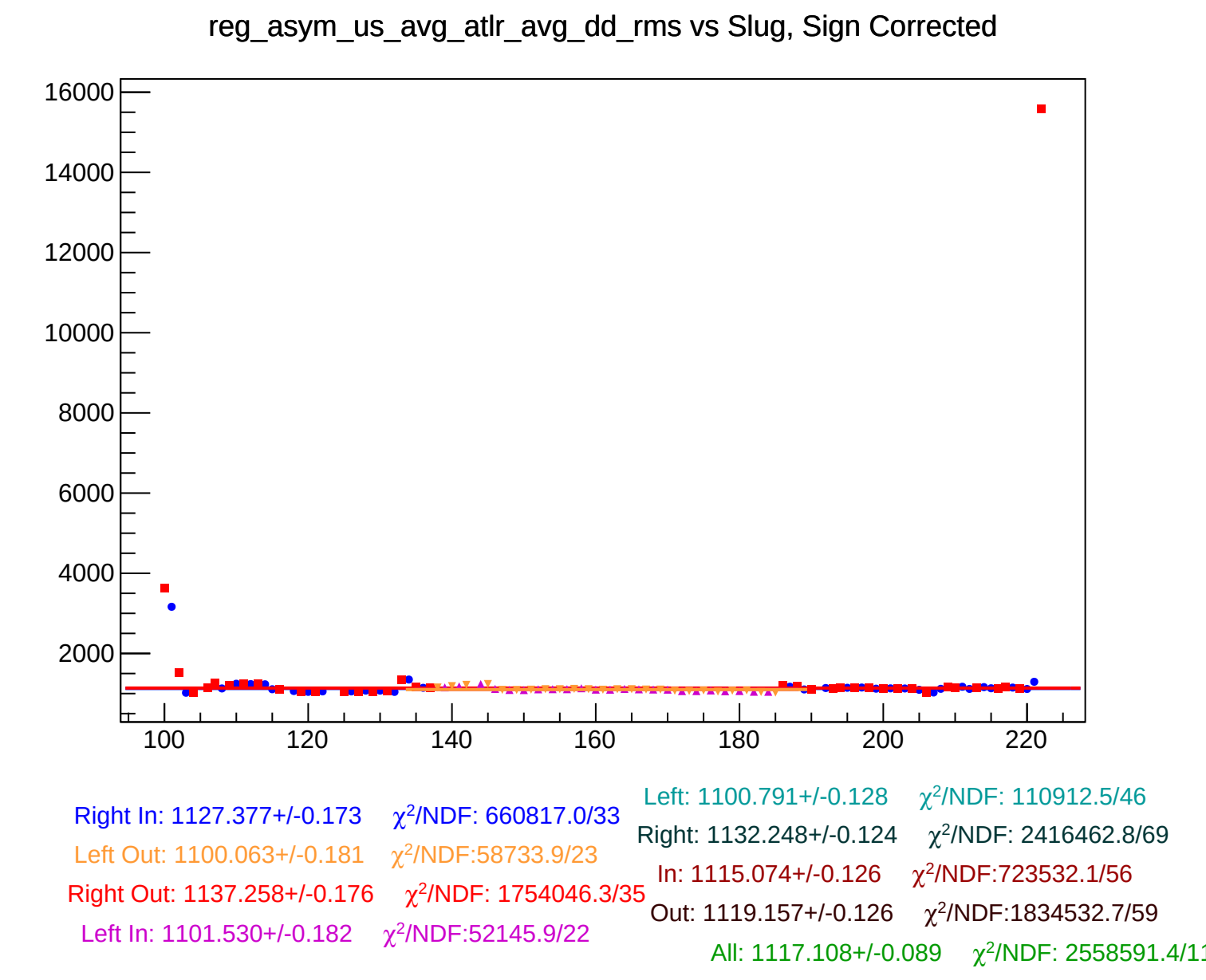
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

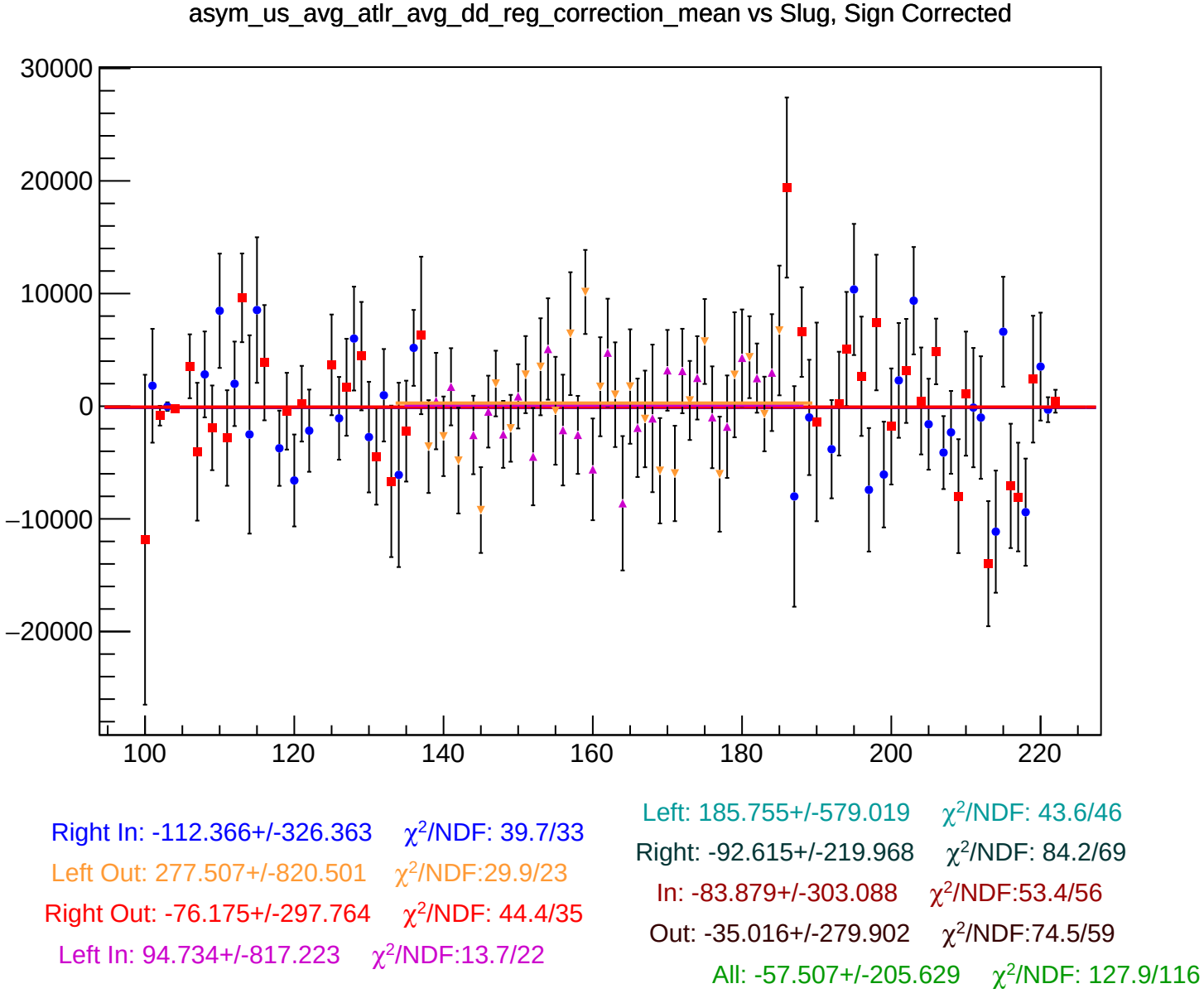
Right: 176.898+/-174.732 χ^2/NDF: 66.8/69

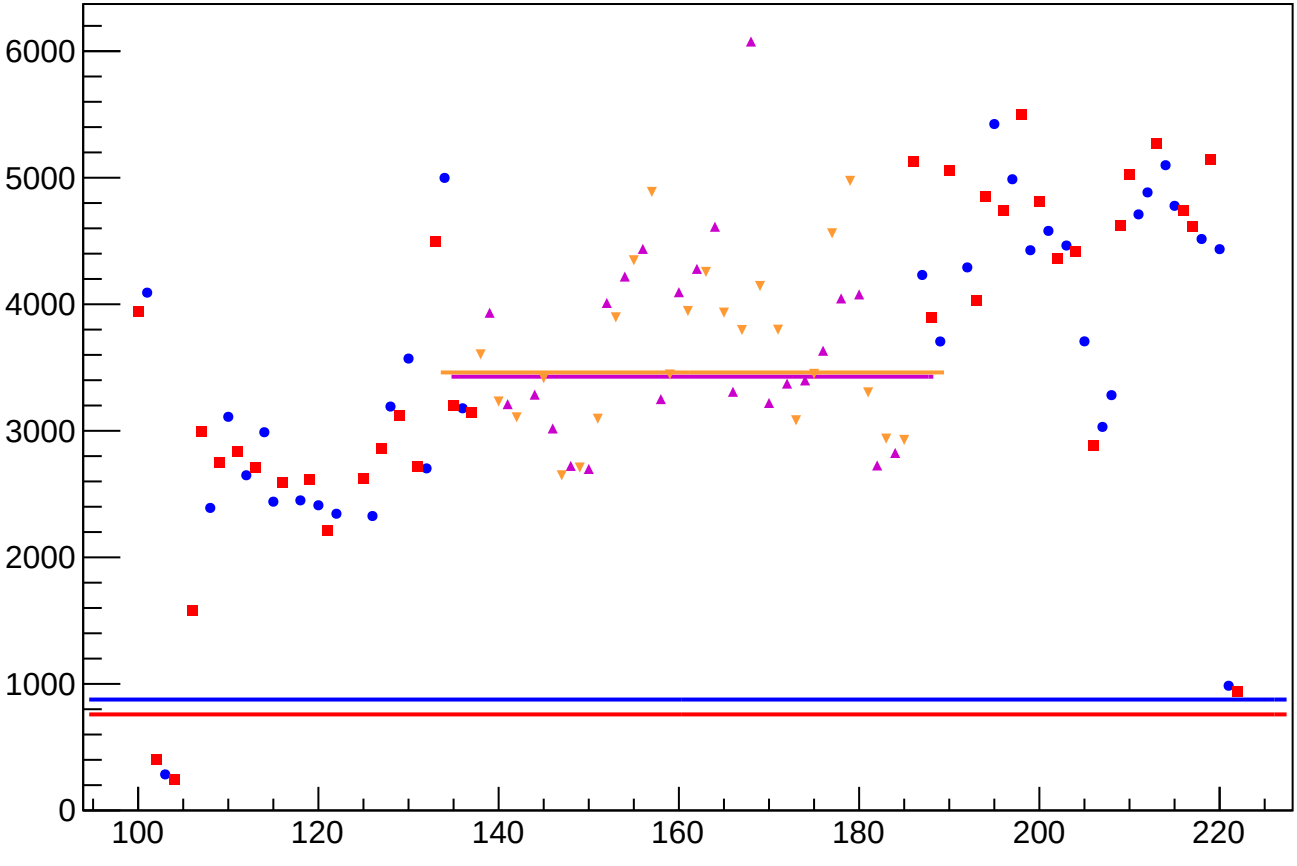
In: -236.534+/-177.574 χ^2/NDF:42.5/56

Out: 479.977+/-178.316 χ^2/NDF:84.9/59

All: 120.228+/-125.825 χ^2/NDF: 135.5/116


reg_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1127.377+/-0.173 χ²/NDF: 660817.0/33
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1137.258+/-0.176 χ²/NDF: 1754046.3/35
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1132.248+/-0.124 χ²/NDF: 2416462.8/69
In: 1115.074+/-0.126 χ²/NDF:723532.1/56
Out: 1119.157+/-0.126 χ²/NDF:1834532.7/59
All: 1117.108+/-0.089 χ²/NDF: 2558591.4/11


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: -76.175+/-297.764 χ²/NDF: 44.4/35
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -92.615+/-219.968 χ²/NDF: 84.2/69
In: -83.879+/-303.088 χ²/NDF:53.4/56
Out: -35.016+/-279.902 χ²/NDF:74.5/59
All: -57.507+/-205.629 χ²/NDF: 127.9/116



Right In: 876.453+/-0.231 χ^2/NDF: 28801702.6/33

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 758.987+/-0.211 χ^2/NDF: 29678962.9/35

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

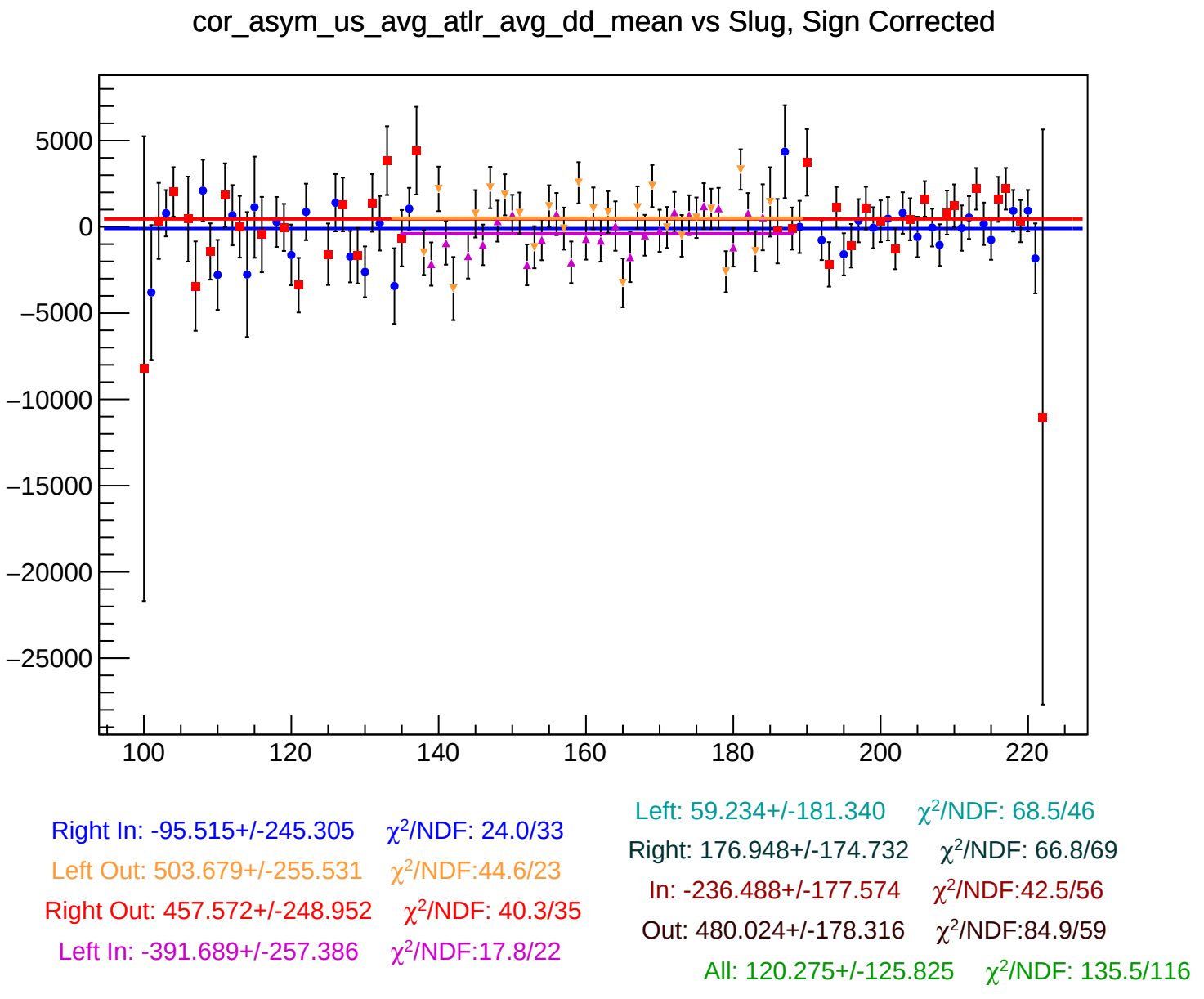
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

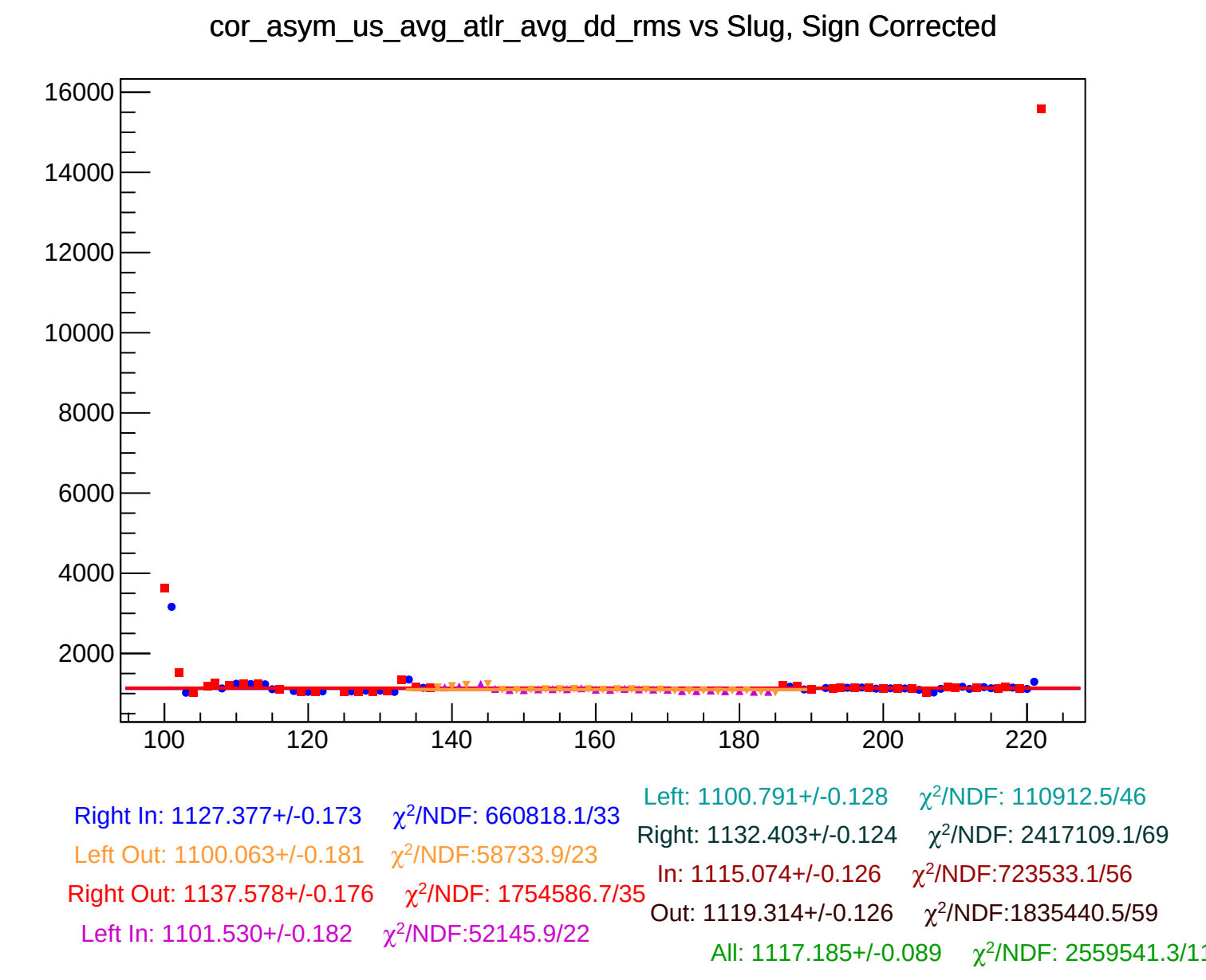
Right: 812.348+/-0.156 χ^2/NDF: 58622057.9/69

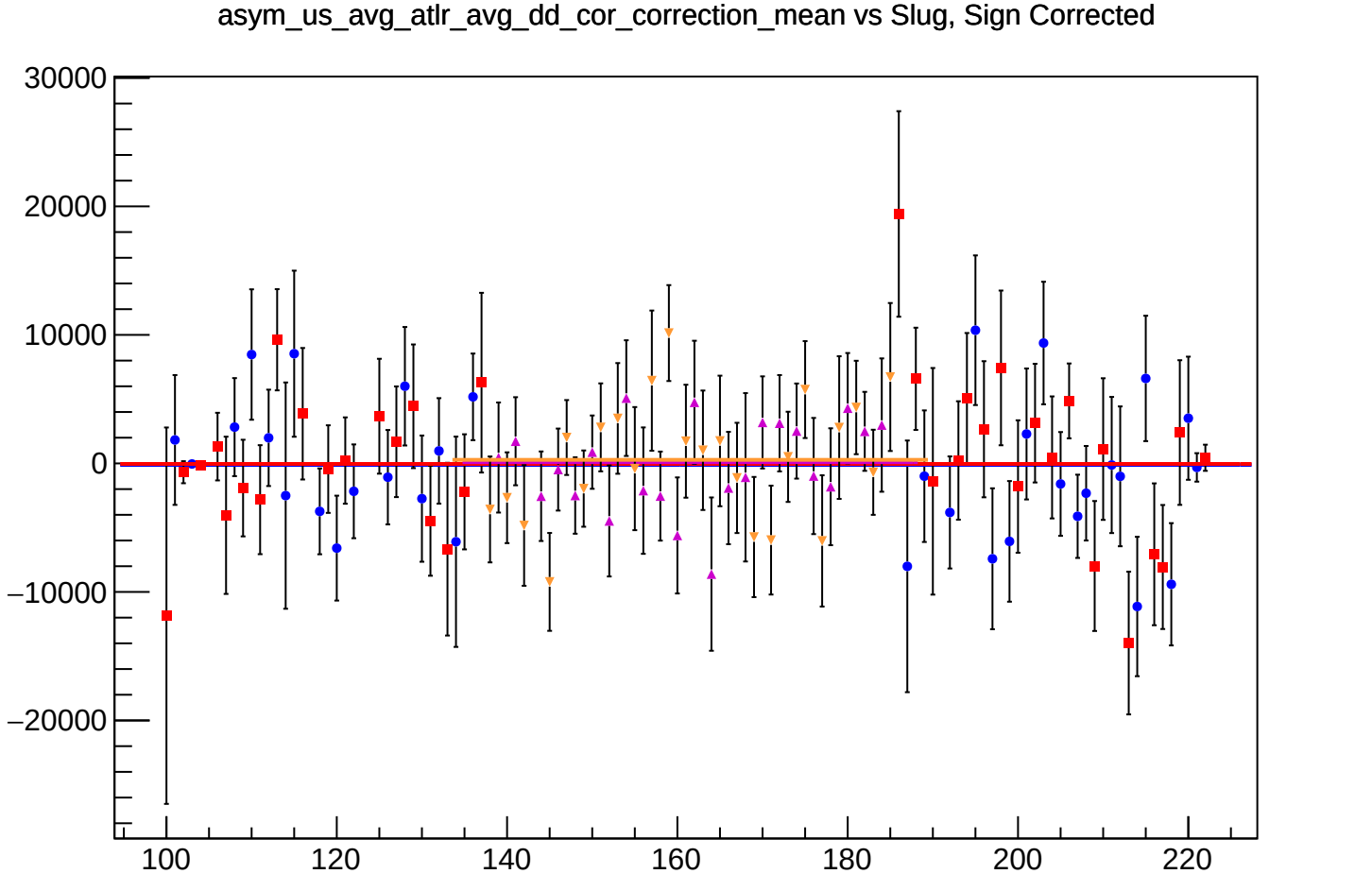
In: 1227.395+/-0.214 χ^2/NDF:46857758.6/56

Out: 1073.459+/-0.198 χ^2/NDF:49906608.9/59

All: 1144.315+/-0.145 χ^2/NDF: 97042807.2/1


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
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: 457.572+/-248.952 χ²/NDF: 40.3/35
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 176.948+/-174.732 χ²/NDF: 66.8/69
In: -236.488+/-177.574 χ²/NDF:42.5/56
Out: 480.024+/-178.316 χ²/NDF:84.9/59
All: 120.275+/-125.825 χ²/NDF: 135.5/116


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1127.377+/-0.173 χ²/NDF: 660818.1/33
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1137.578+/-0.176 χ²/NDF: 1754586.7/35
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1132.403+/-0.124 χ²/NDF: 2417109.1/69
In: 1115.074+/-0.126 χ²/NDF:723533.1/56
Out: 1119.314+/-0.126 χ²/NDF:1835440.5/59
All: 1117.185+/-0.089 χ²/NDF: 2559541.3/11



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -40.995+/-293.677 χ^2/NDF: 42.7/35

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

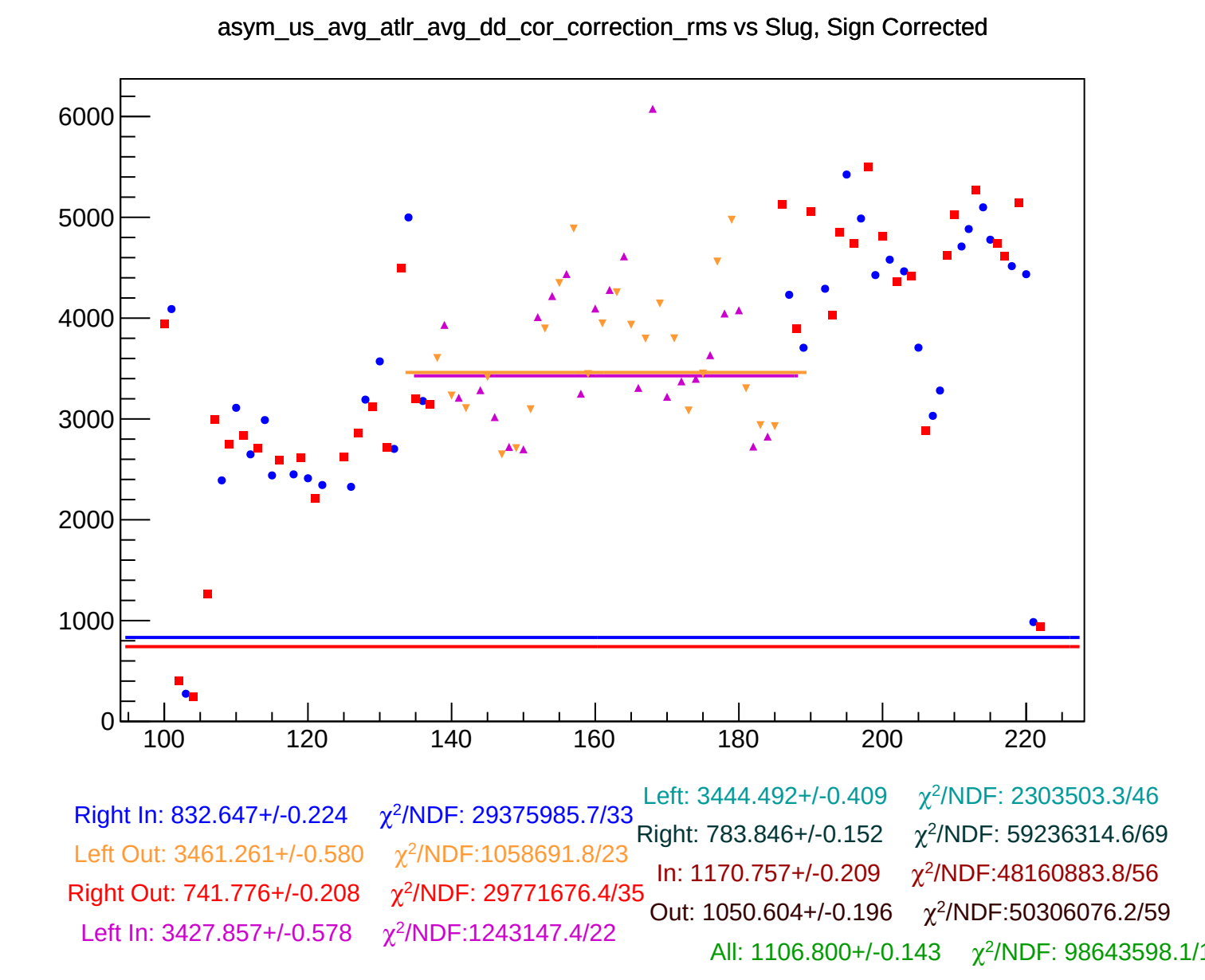
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

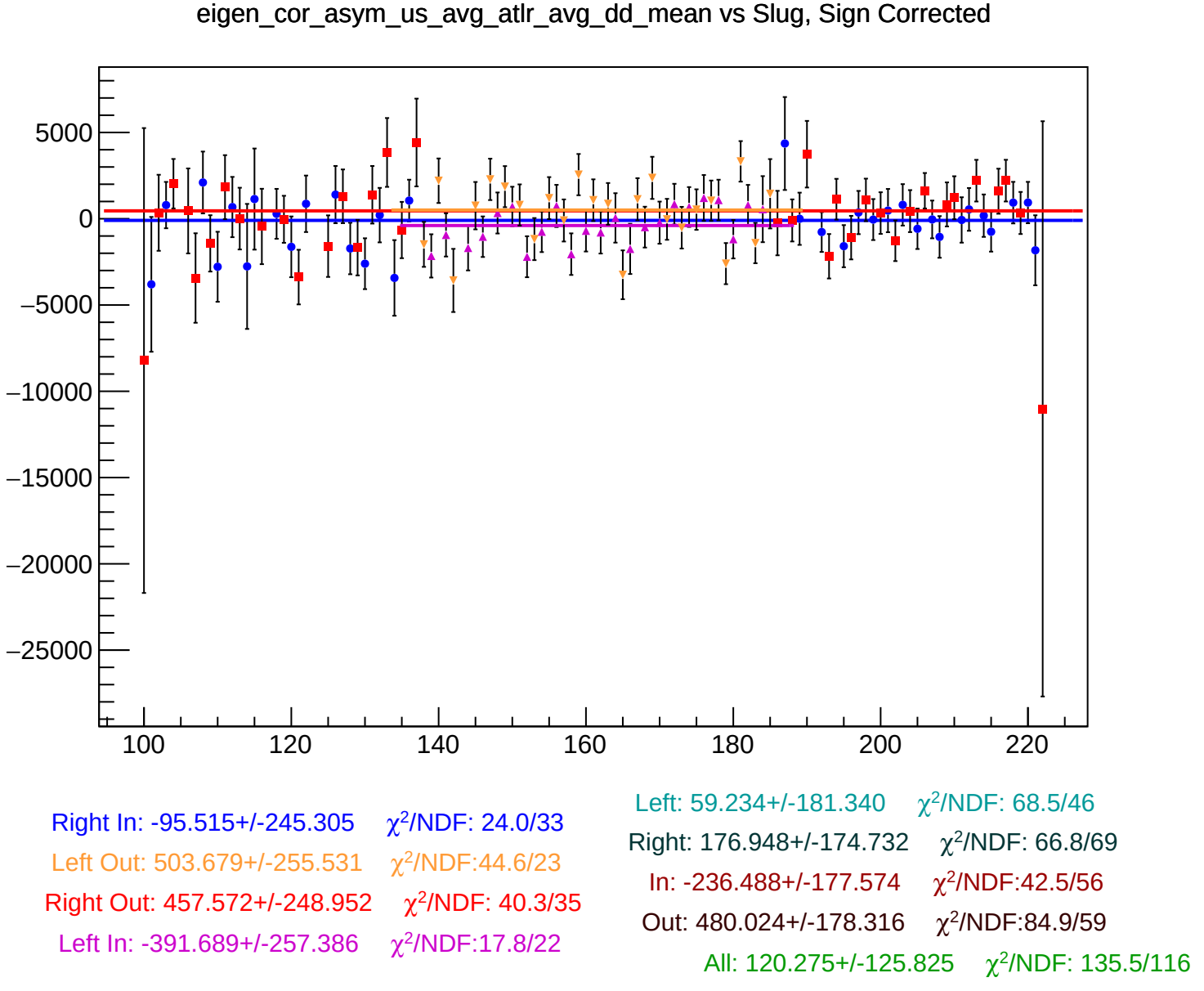
Right: -76.366+/-215.214 χ^2/NDF: 82.5/69

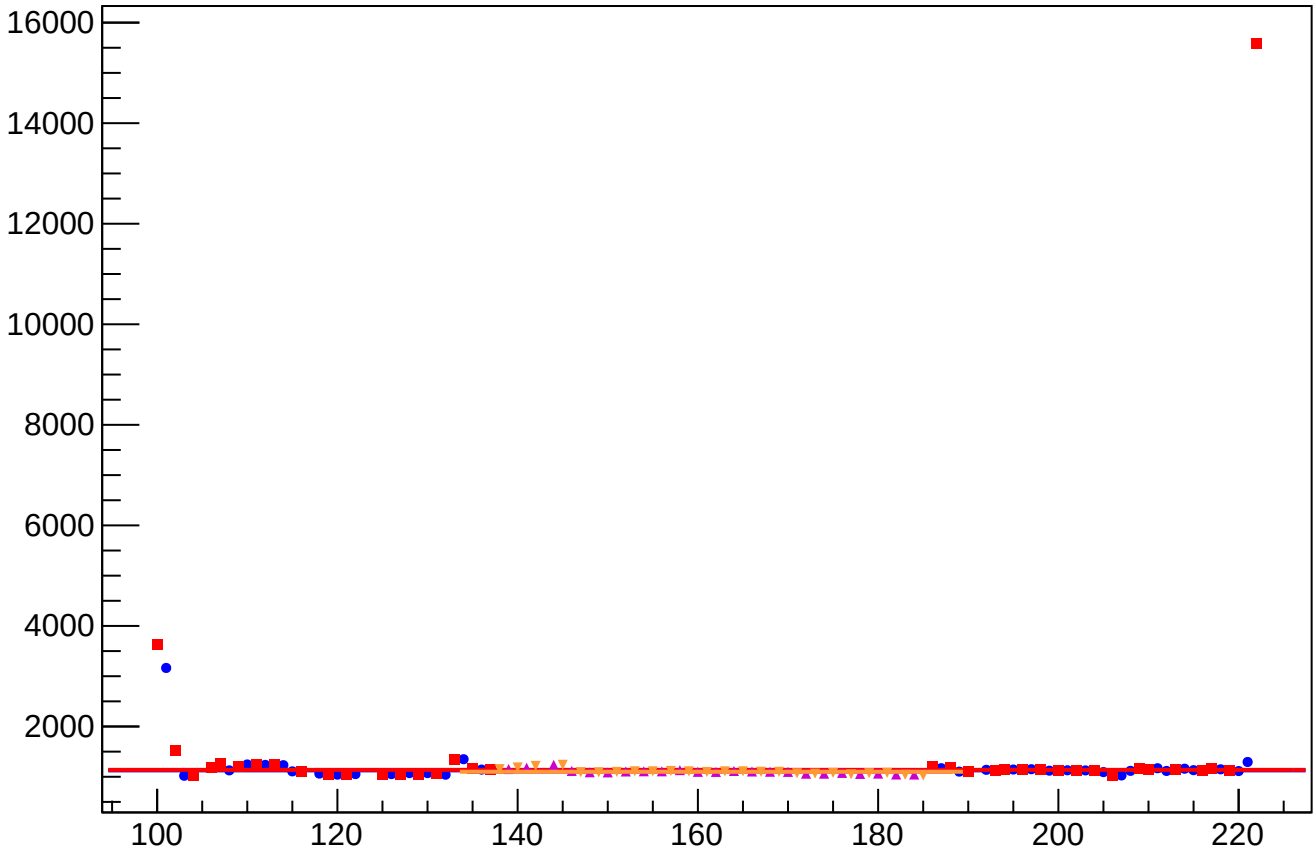
In: -89.757+/-294.974 χ^2/NDF:53.4/56

Out: -4.822+/-276.500 χ^2/NDF:72.7/59

All: -44.547+/-201.730 χ^2/NDF: 126.2/116


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: 741.776+/-0.208 χ²/NDF: 29771676.4/35
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 783.846+/-0.152 χ²/NDF: 59236314.6/69
In: 1170.757+/-0.209 χ²/NDF:48160883.8/56
Out: 1050.604+/-0.196 χ²/NDF:50306076.2/59
All: 1106.800+/-0.143 χ²/NDF: 98643598.1/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
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: 457.572+/-248.952 χ²/NDF: 40.3/35
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 176.948+/-174.732 χ²/NDF: 66.8/69
In: -236.488+/-177.574 χ²/NDF:42.5/56
Out: 480.024+/-178.316 χ²/NDF:84.9/59
All: 120.275+/-125.825 χ²/NDF: 135.5/116



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: 1137.578+/-0.176 χ^2/NDF: 1754586.7/35

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

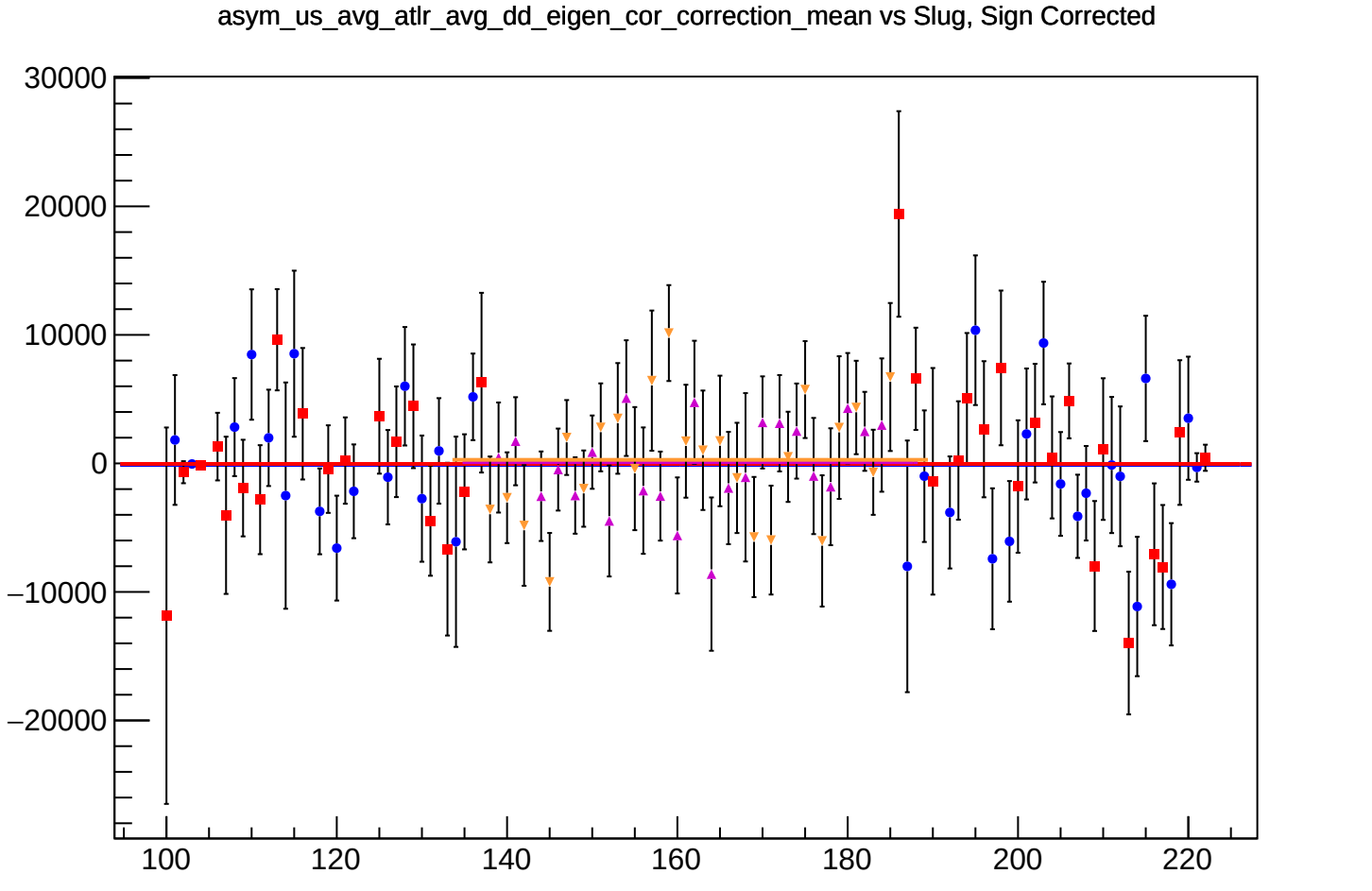
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1132.403+/-0.124 χ^2/NDF: 2417109.1/69

In: 1115.074+/-0.126 χ^2/NDF:723533.1/56

Out: 1119.314+/-0.126 χ^2/NDF:1835440.5/59

All: 1117.185+/-0.089 χ^2/NDF: 2559541.3/11



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -40.995+/-293.677 χ^2/NDF: 42.7/35

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

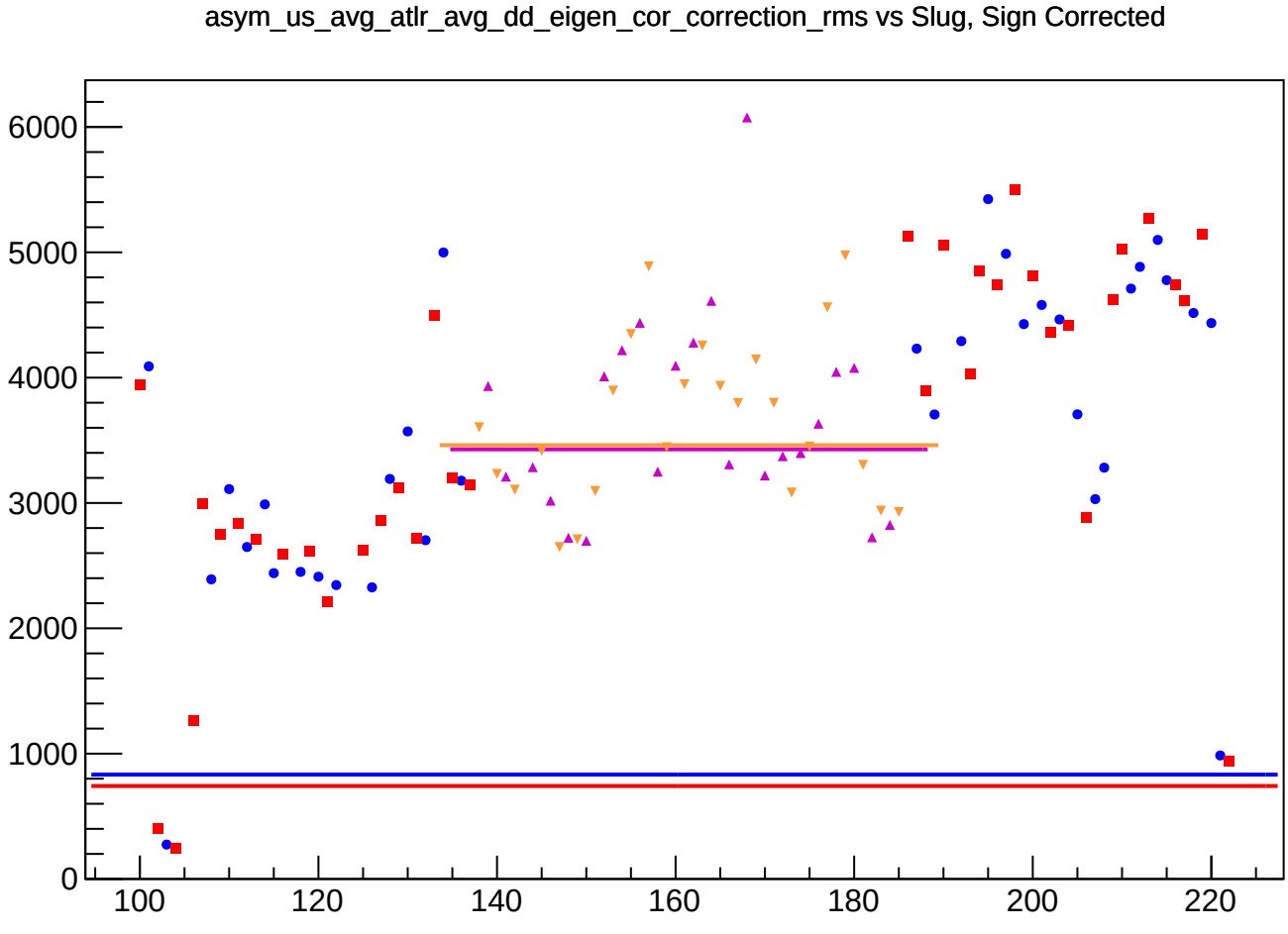
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -76.366+/-215.214 χ^2/NDF: 82.5/69

In: -89.757+/-294.974 χ^2/NDF:53.4/56

Out: -4.822+/-276.500 χ^2/NDF:72.7/59

All: -44.547+/-201.730 χ^2/NDF: 126.2/116



Right In: 832.647+/-0.224 χ^2/NDF: 29375985.7/33

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 741.776+/-0.208 χ^2/NDF: 29771676.4/35

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

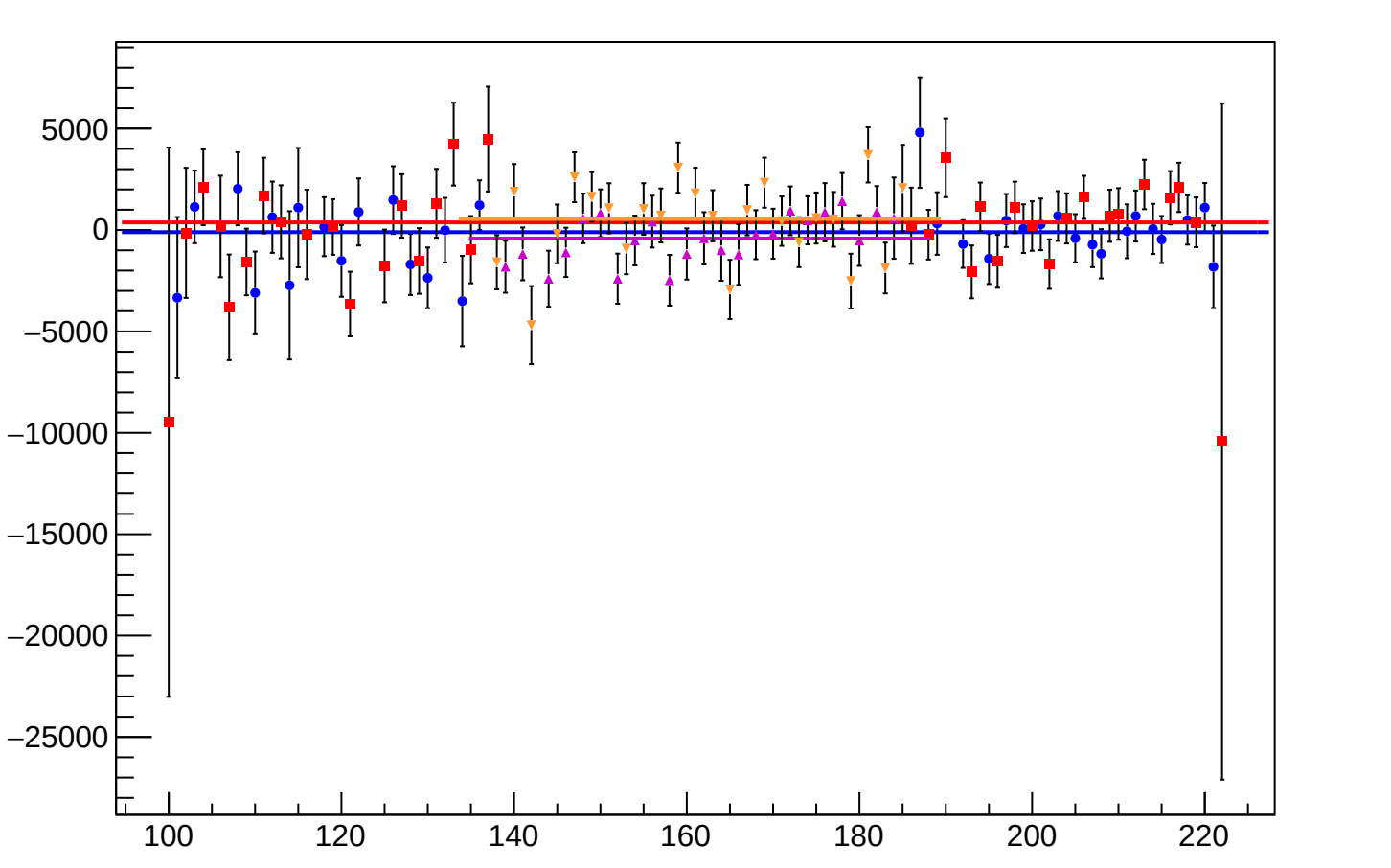
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 783.846+/-0.152 χ^2/NDF: 59236314.6/69

In: 1170.757+/-0.209 χ^2/NDF:48160883.8/56

Out: 1050.604+/-0.196 χ^2/NDF:50306076.2/59

All: 1106.800+/-0.143 χ^2/NDF: 98643598.1/1



Right In: -105.626+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 375.233+/-254.618 χ^2/NDF: 42.0/35

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

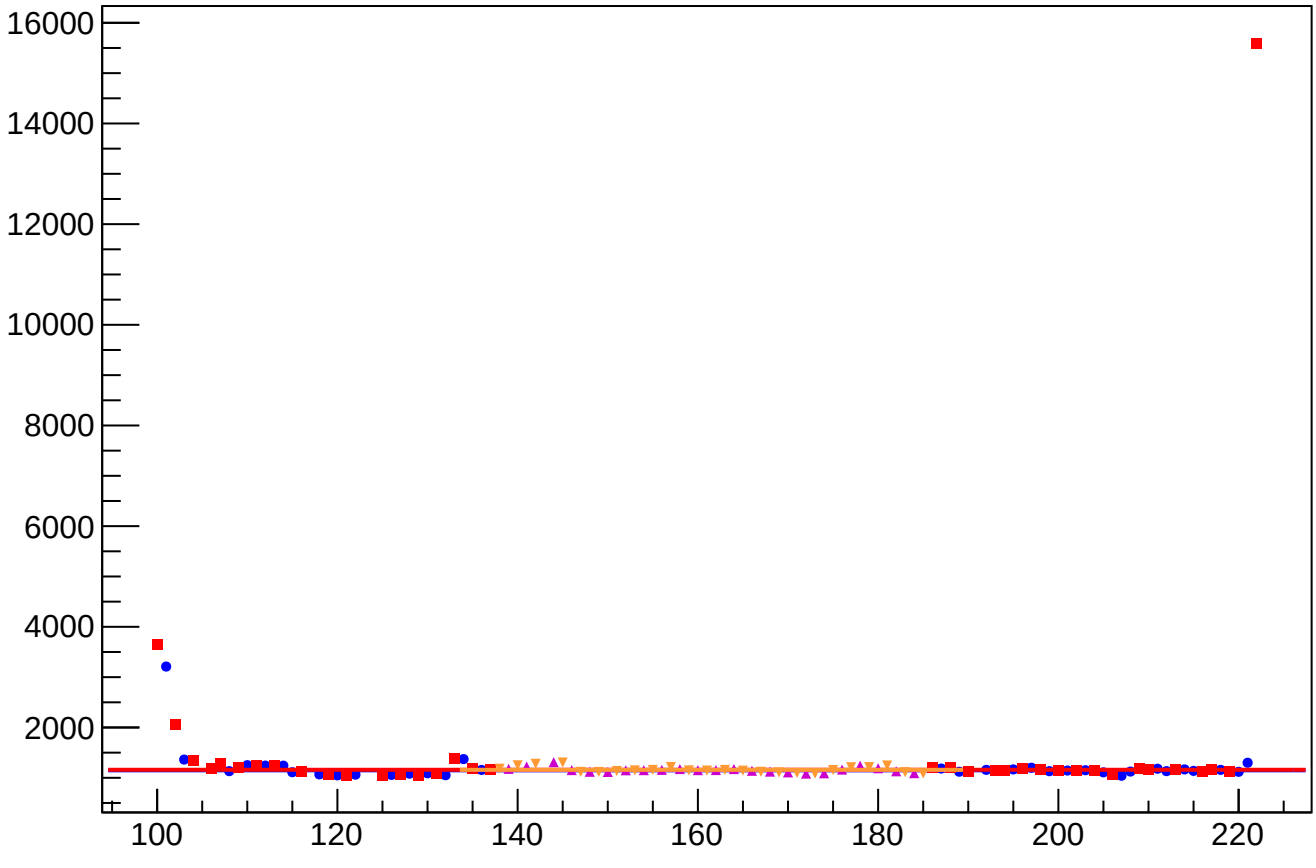
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 130.477+/-178.415 χ^2/NDF: 67.2/69

In: -251.367+/-183.412 χ^2/NDF:42.1/56

Out: 458.065+/-184.984 χ^2/NDF:87.4/59

All: 100.322+/-130.244 χ^2/NDF: 136.9/116



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: 1159.941+/-0.180 χ^2/NDF: 1857327.0/35

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

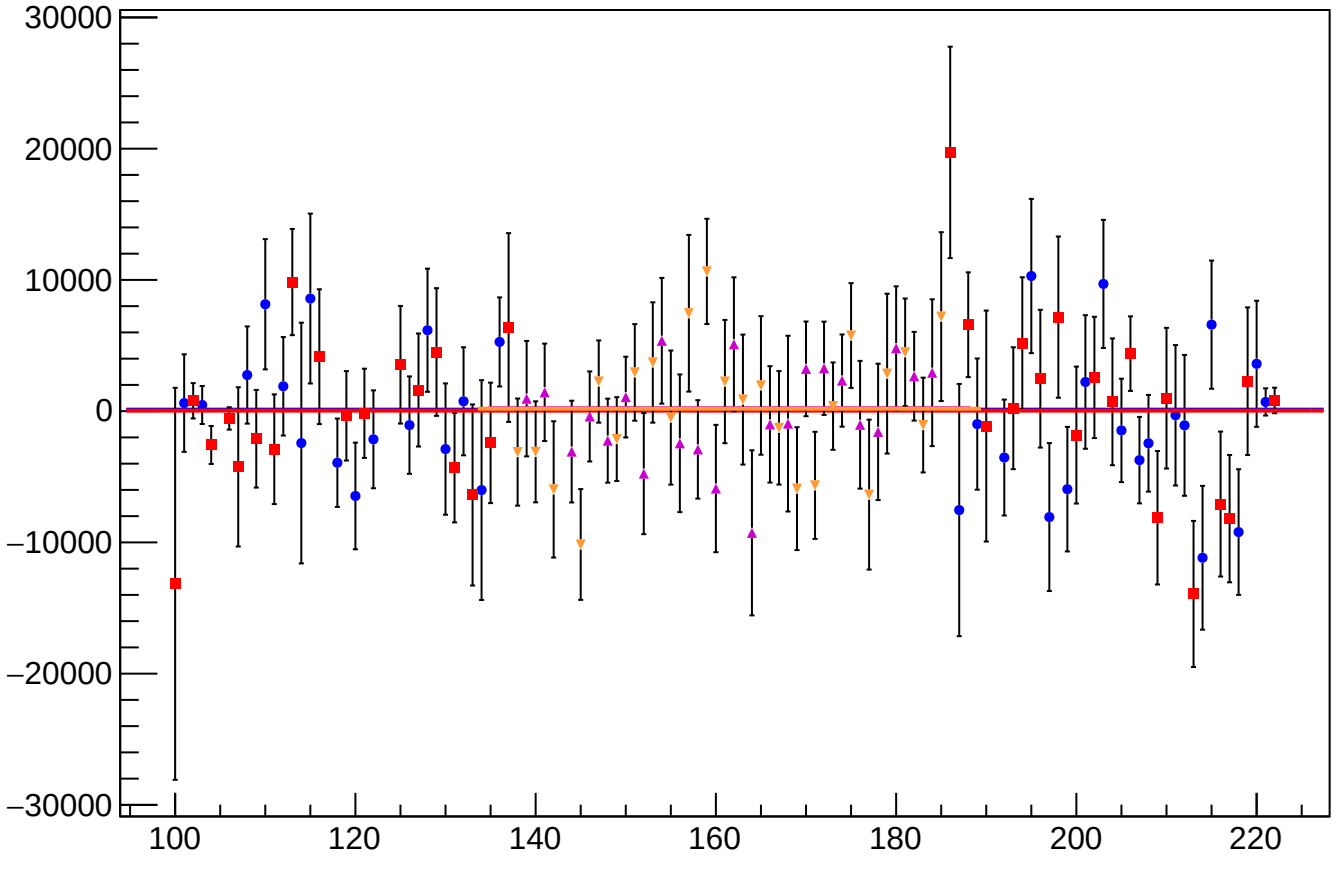
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1154.339+/-0.126 χ^2/NDF: 2537978.9/69

In: 1151.382+/-0.130 χ^2/NDF:745640.8/56

Out: 1159.108+/-0.131 χ^2/NDF:1941484.1/59

All: 1155.212+/-0.092 χ^2/NDF: 2688884.5/11



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: 40.792+/-452.424 χ^2/NDF: 45.6/35

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

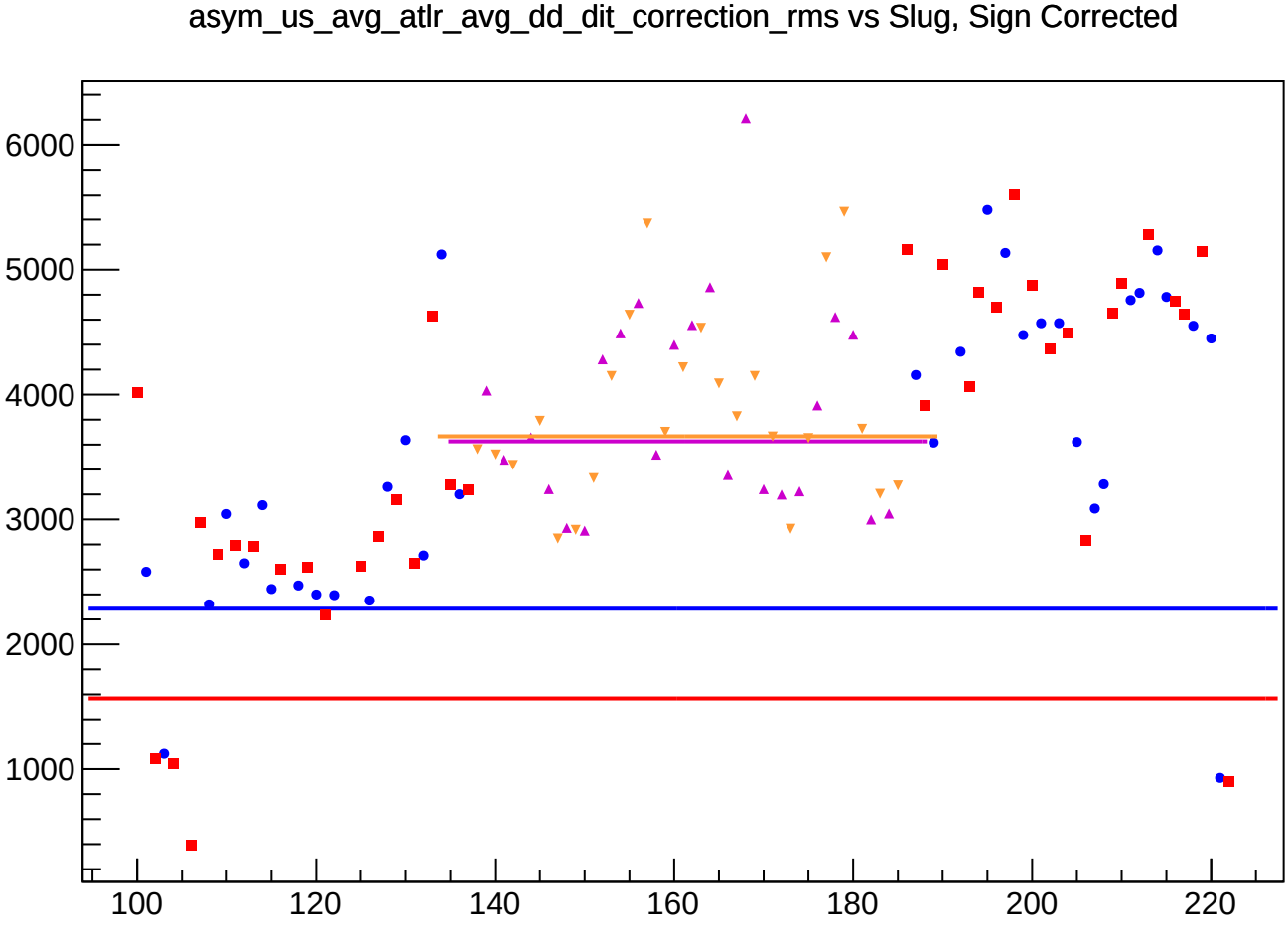
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

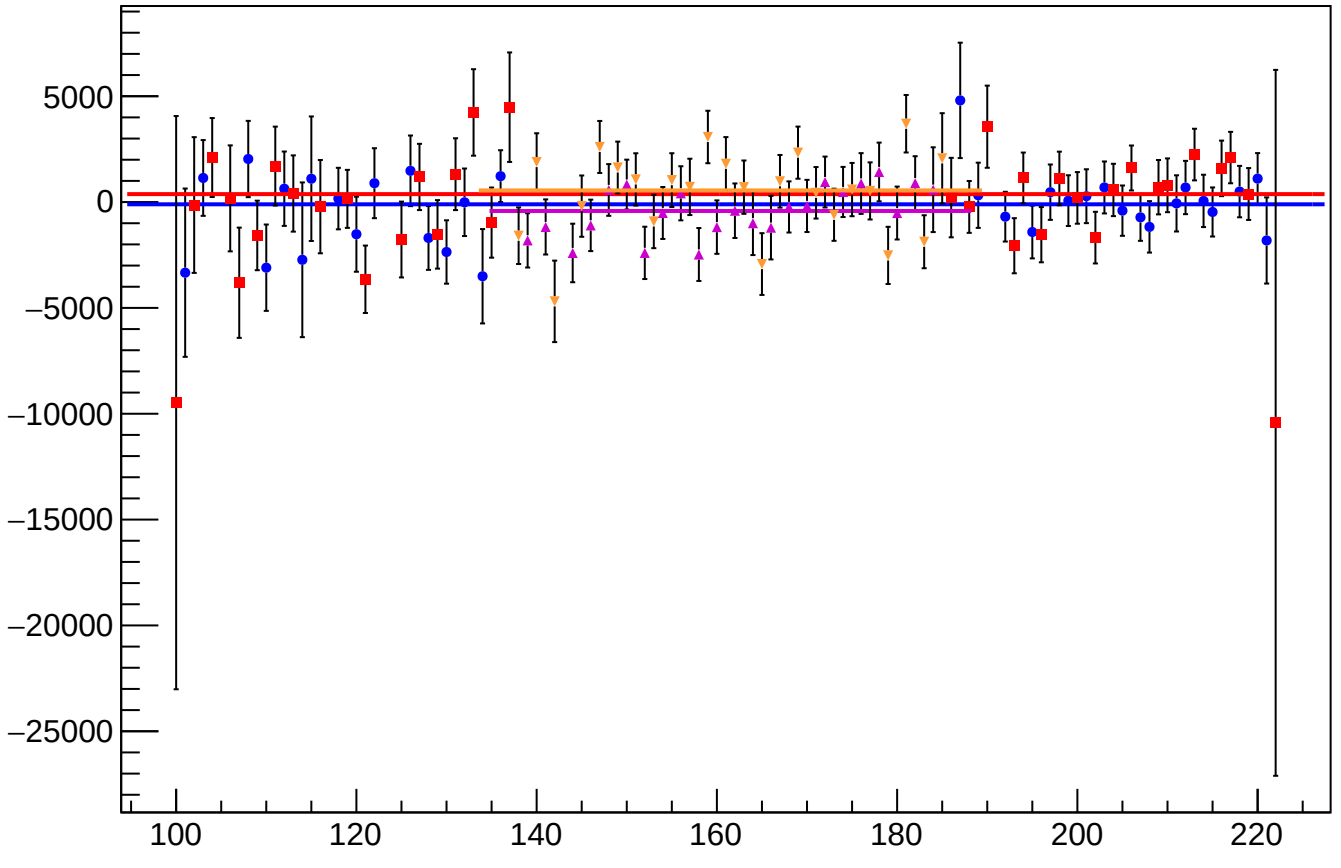
Right: 68.461+/-356.372 χ^2/NDF: 85.1/69

In: 146.977+/-480.813 χ^2/NDF:52.9/56

Out: 72.530+/-401.338 χ^2/NDF:74.9/59

All: 103.100+/-308.108 χ^2/NDF: 127.8/116


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2285.726+/-0.409 χ²/NDF: 11753855.8/33
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1567.871+/-0.320 χ²/NDF: 19461642.2/35
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1840.322+/-0.252 χ²/NDF: 33126511.3/69
In: 2700.030+/-0.340 χ²/NDF:16330471.0/56
Out: 2015.060+/-0.284 χ²/NDF:29727565.0/59
All: 2296.331+/-0.218 χ²/NDF: 48450292.0/



Right In: -105.623+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 375.237+/-254.618 χ^2/NDF: 42.0/35

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

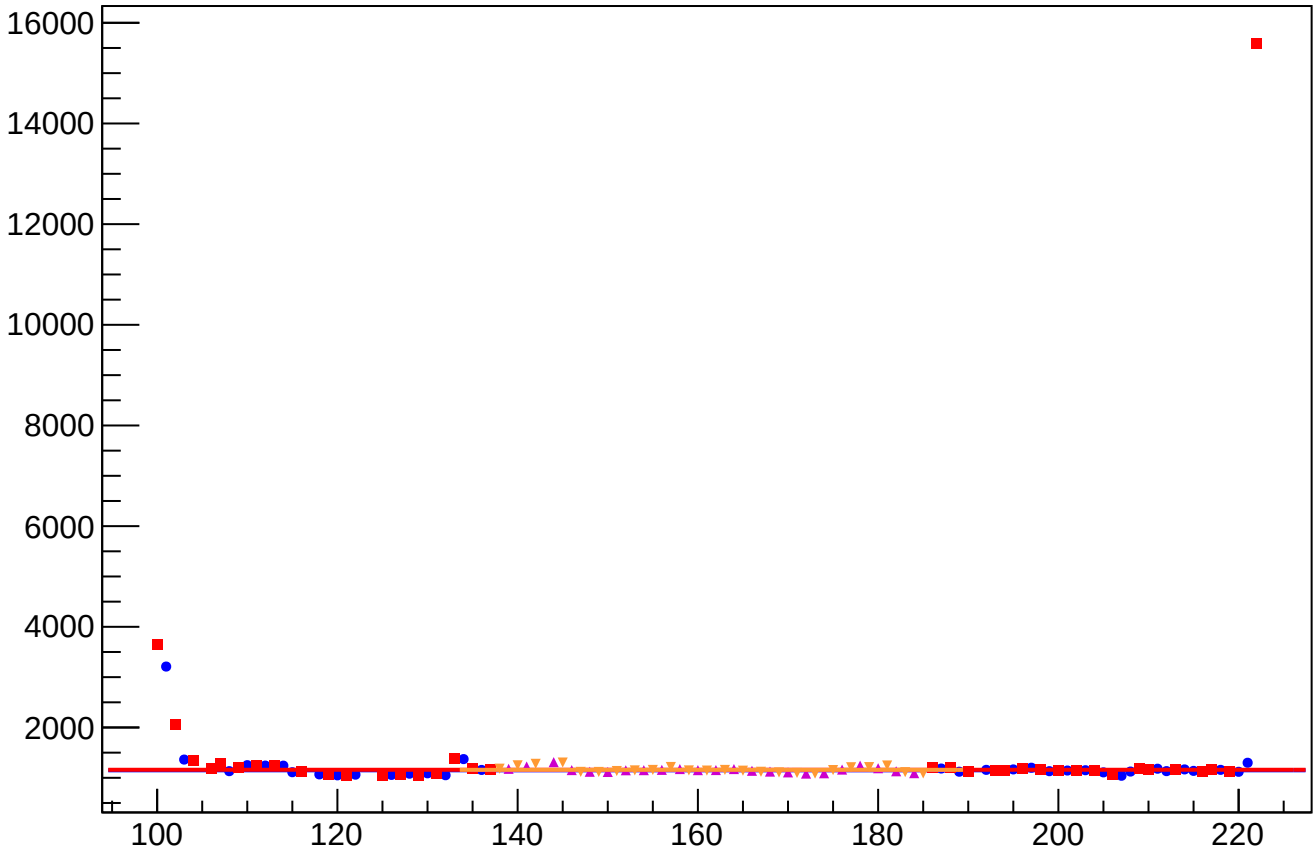
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 130.480+/-178.415 χ^2/NDF: 67.2/69

In: -251.365+/-183.412 χ^2/NDF:42.1/56

Out: 458.068+/-184.984 χ^2/NDF:87.4/59

All: 100.324+/-130.244 χ^2/NDF: 136.9/116



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: 1159.941+/-0.180 χ^2/NDF: 1857326.8/35

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

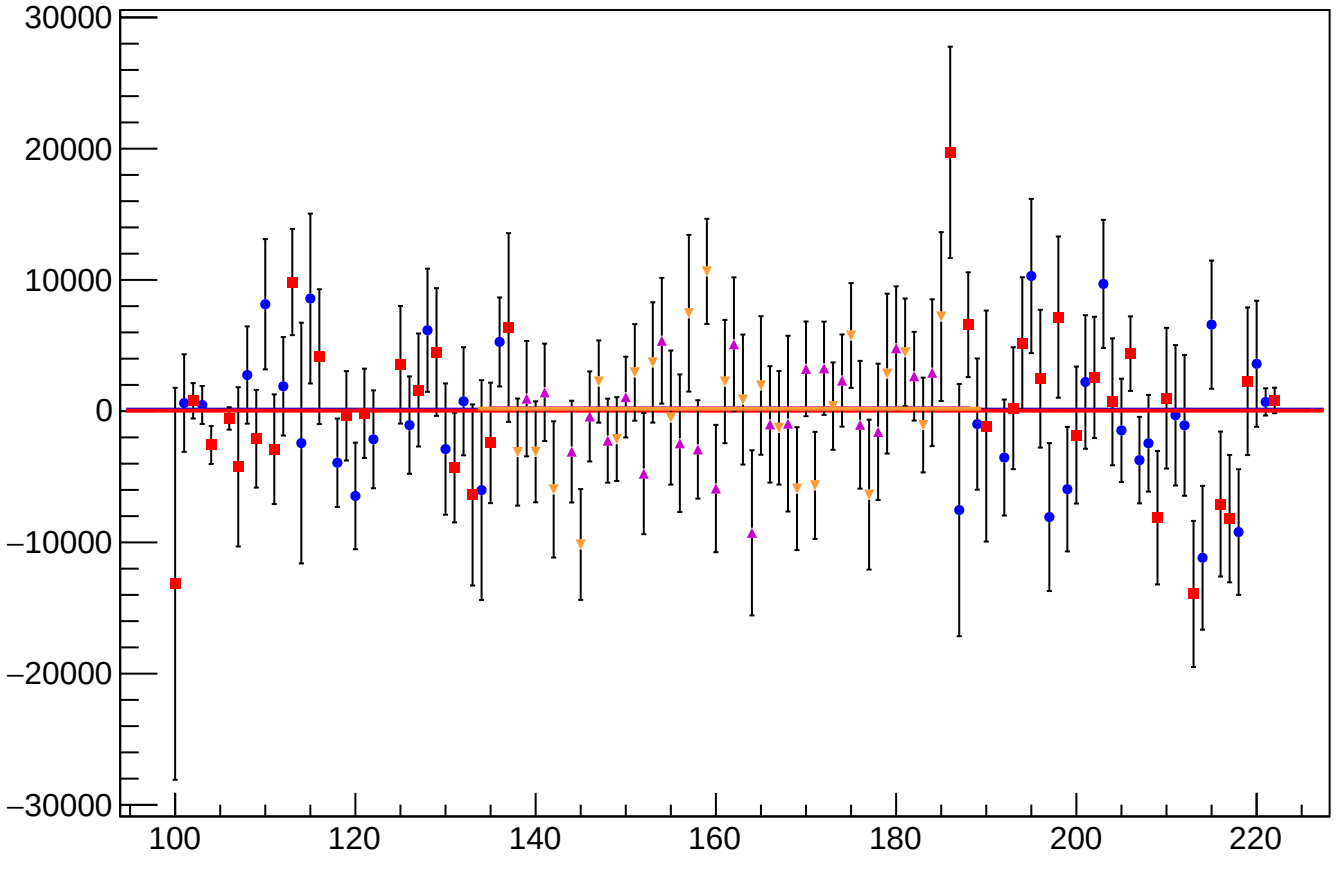
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1154.339+/-0.126 χ^2/NDF: 2537979.2/69

In: 1151.382+/-0.130 χ^2/NDF:745643.9/56

Out: 1159.109+/-0.131 χ^2/NDF:1941486.4/59

All: 1155.213+/-0.092 χ^2/NDF: 2688889.9/11



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: 40.785+/-452.420 χ^2/NDF: 45.6/35

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

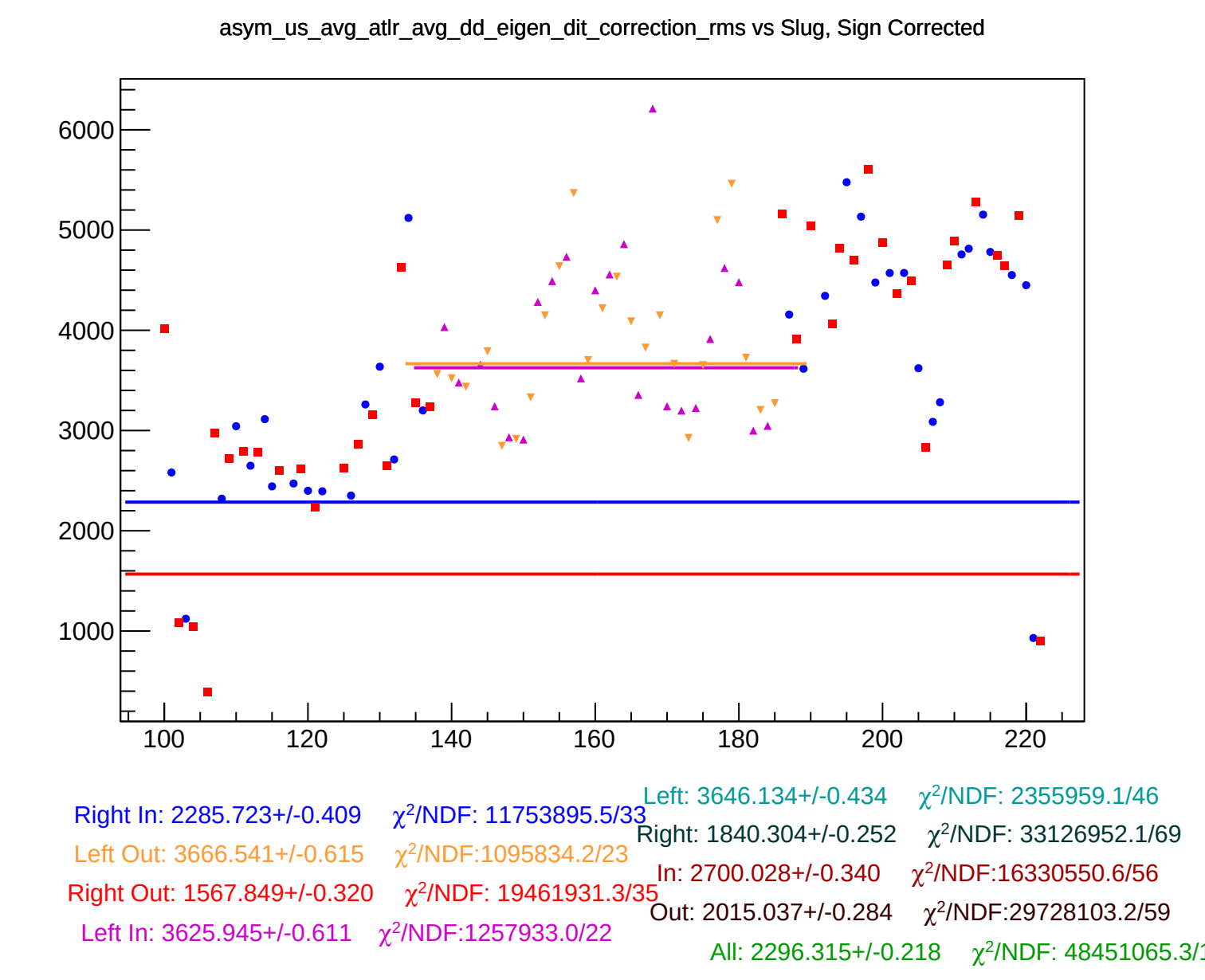
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 68.454+/-356.371 χ^2/NDF: 85.1/69

In: 146.975+/-480.813 χ^2/NDF:52.9/56

Out: 72.523+/-401.335 χ^2/NDF:74.9/59

All: 103.095+/-308.107 χ^2/NDF: 127.8/116


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
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2000
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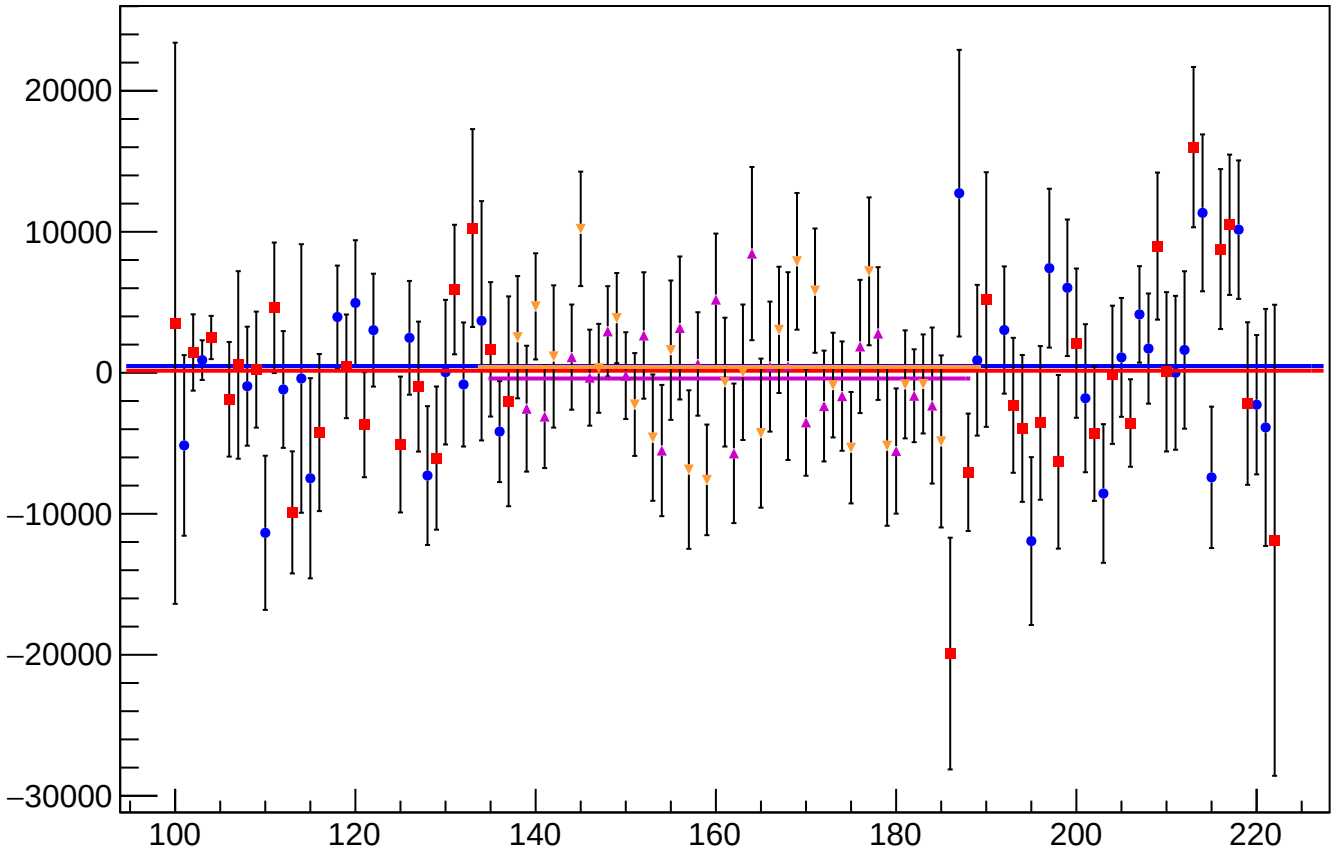
100
120
140
160
180
200
220
Right In: 2285.723+/-0.409 χ²/NDF: 11753895.5/33
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1567.849+/-0.320 χ²/NDF: 19461931.3/35
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1840.304+/-0.252 χ²/NDF: 33126952.1/69
In: 2700.028+/-0.340 χ²/NDF:16330550.6/56
Out: 2015.037+/-0.284 χ²/NDF:29728103.2/59
All: 2296.315+/-0.218 χ²/NDF: 48451065.3/1



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: 148.815+/-725.807 χ^2/NDF: 49.6/35

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

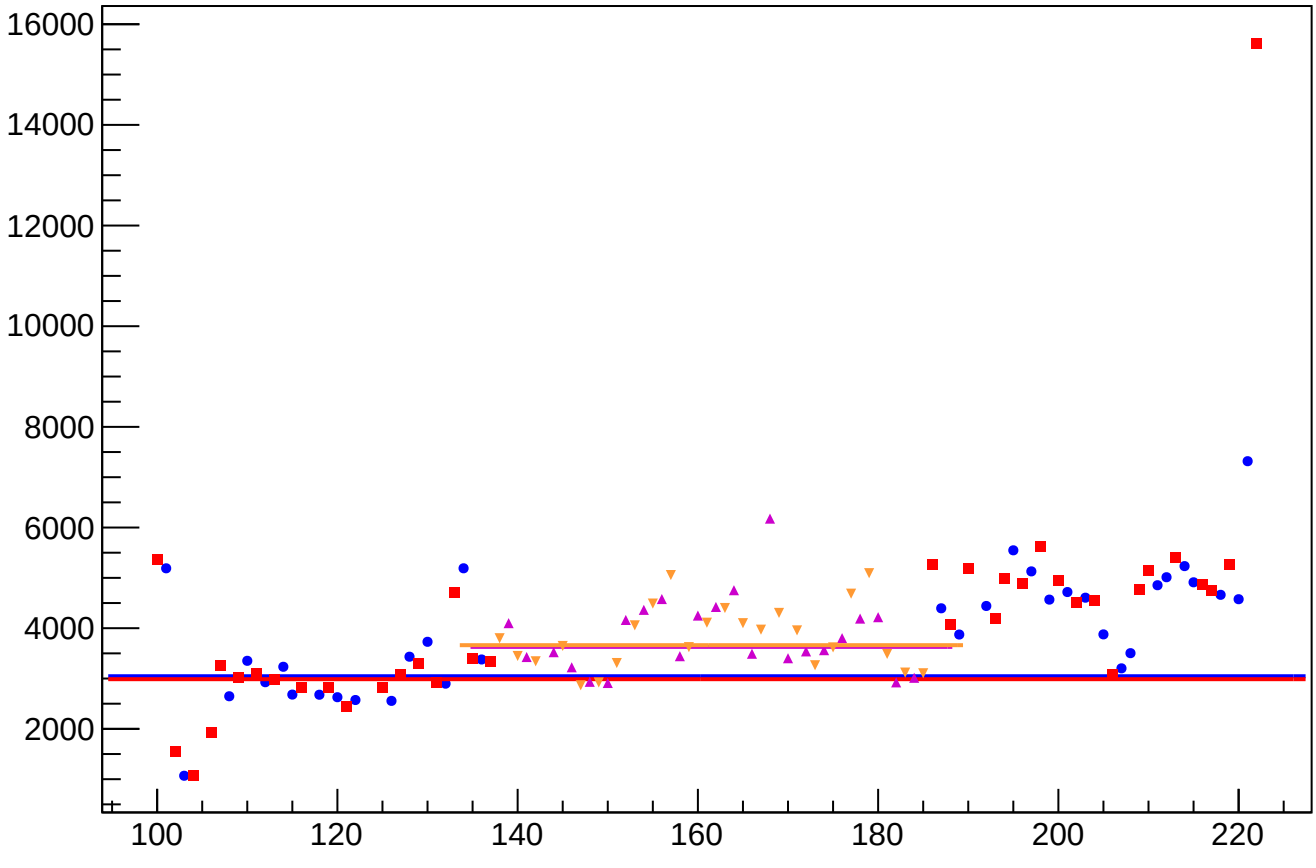
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 314.652+/-513.443 χ^2/NDF: 88.3/69

In: 113.763+/-555.601 χ^2/NDF:51.6/56

Out: 258.122+/-556.093 χ^2/NDF:76.8/59

All: 185.879+/-393.043 χ^2/NDF: 128.4/116



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: 2987.069+/-0.512 χ^2/NDF: 8970833.7/35

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

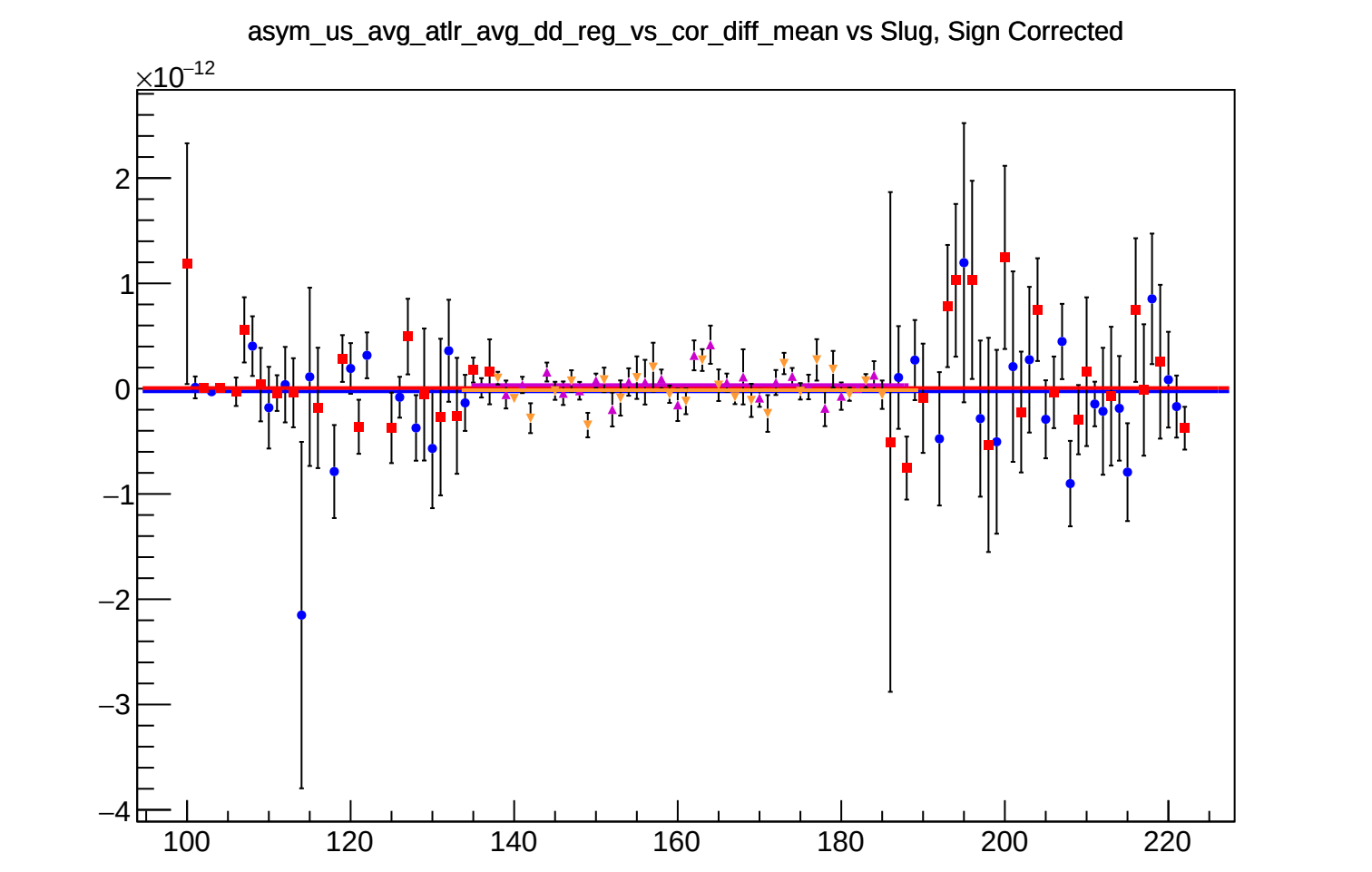
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 3016.226+/-0.363 χ^2/NDF: 17057407.8/69

In: 3287.755+/-0.393 χ^2/NDF:9670872.9/56

Out: 3265.562+/-0.393 χ^2/NDF:10580857.9/59

All: 3276.658+/-0.278 χ^2/NDF: 20253326.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

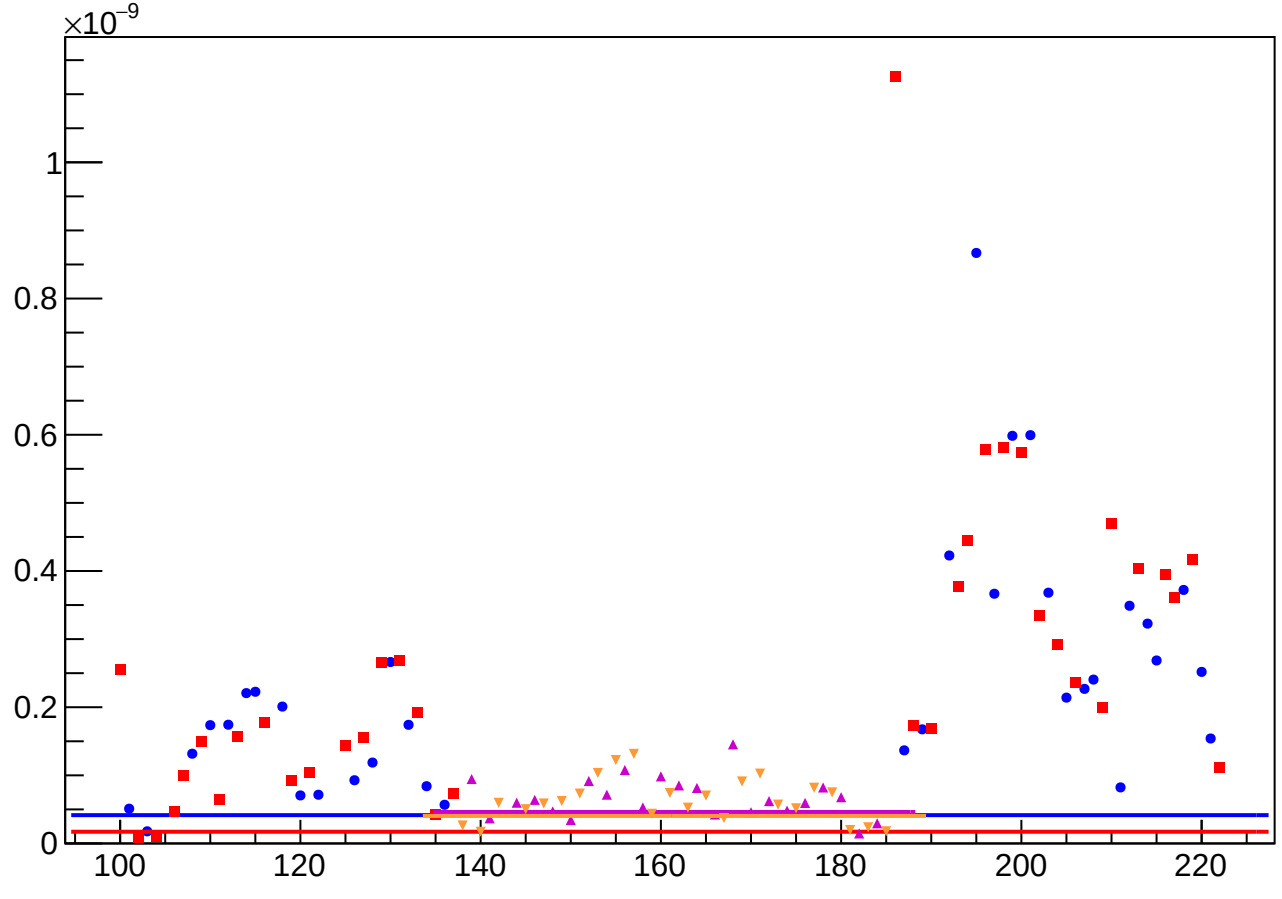
Right: -0.000+/-0.000 χ^2/NDF: 66.2/69

In: 0.000+/-0.000 χ^2/NDF:55.3/56

Out: -0.000+/-0.000 χ^2/NDF:82.1/59

All: 0.000+/-0.000 χ^2/NDF: 137.7/116

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: 15022987.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

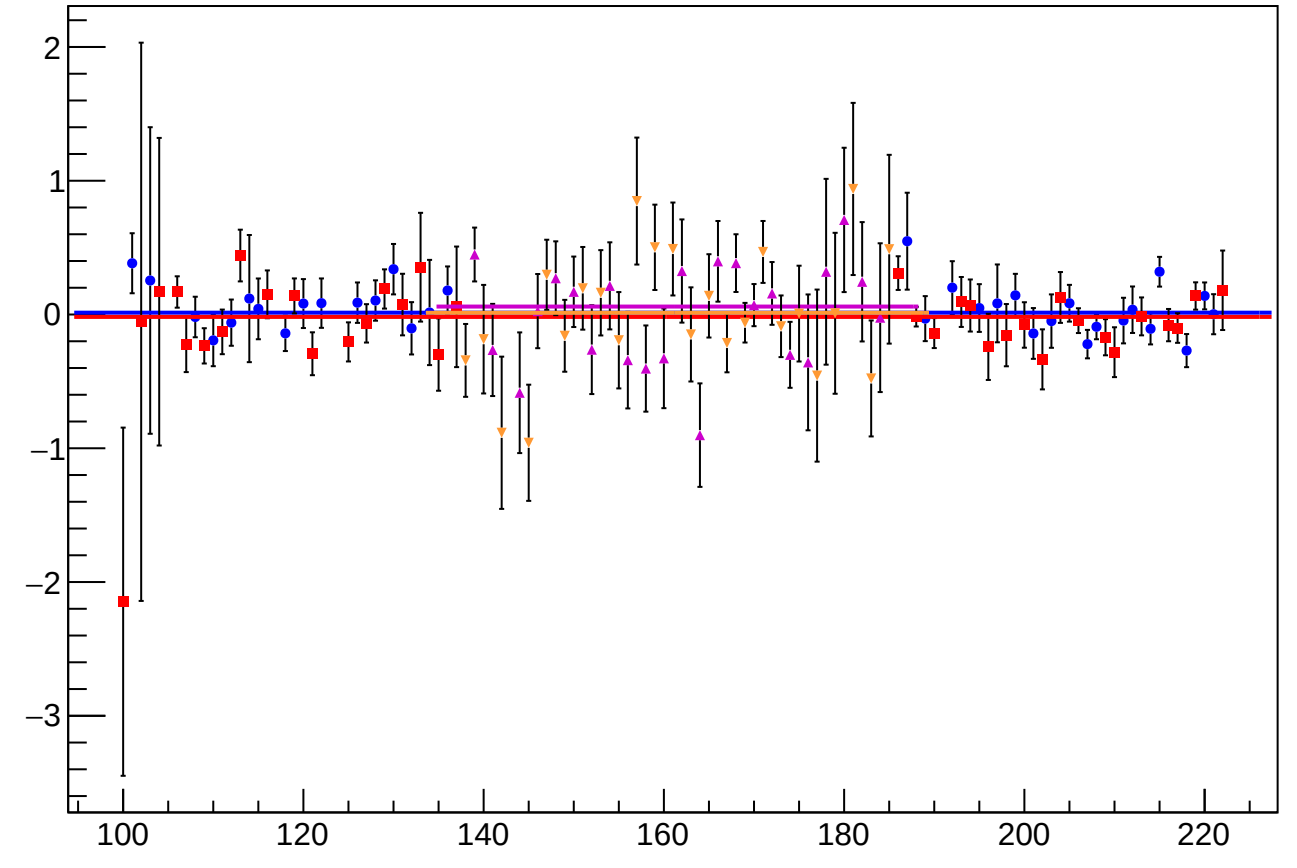
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 28454285.3/69

In: 0.000+/-0.000 χ^2/NDF:14997924.2/56

Out: 0.000+/-0.000 χ^2/NDF:20367400.8/59

All: 0.000+/-0.000 χ^2/NDF: 37113675.2/116



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: -0.018+/-0.025 χ^2/NDF: 45.4/35

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

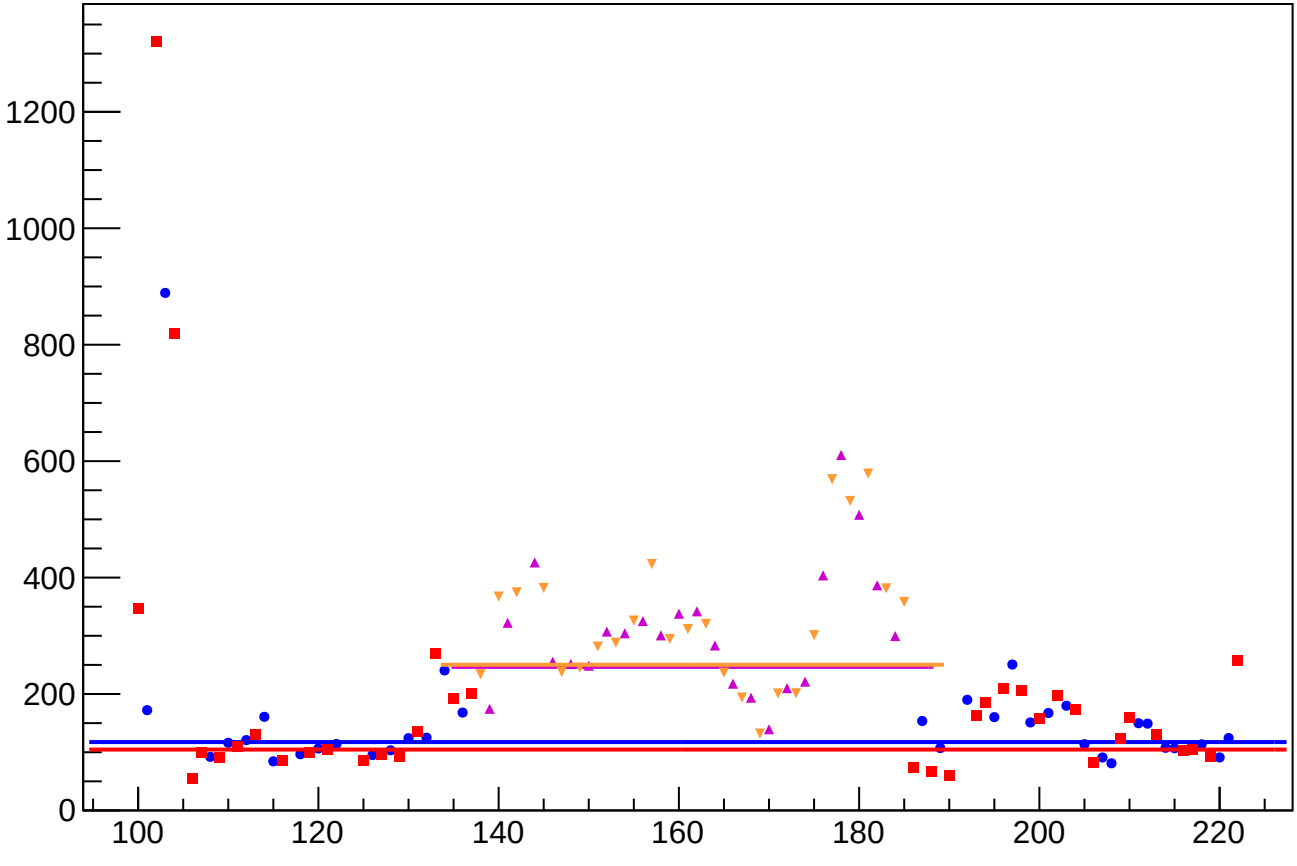
Right: -0.003+/-0.019 χ^2/NDF: 83.5/69

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.014+/-0.024 χ^2/NDF:75.0/59

All: 0.003+/-0.017 χ^2/NDF: 141.7/116

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.458+/-0.019 χ^2/NDF: 3617954.5/33

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 104.581+/-0.018 χ^2/NDF: 6683514.8/35

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

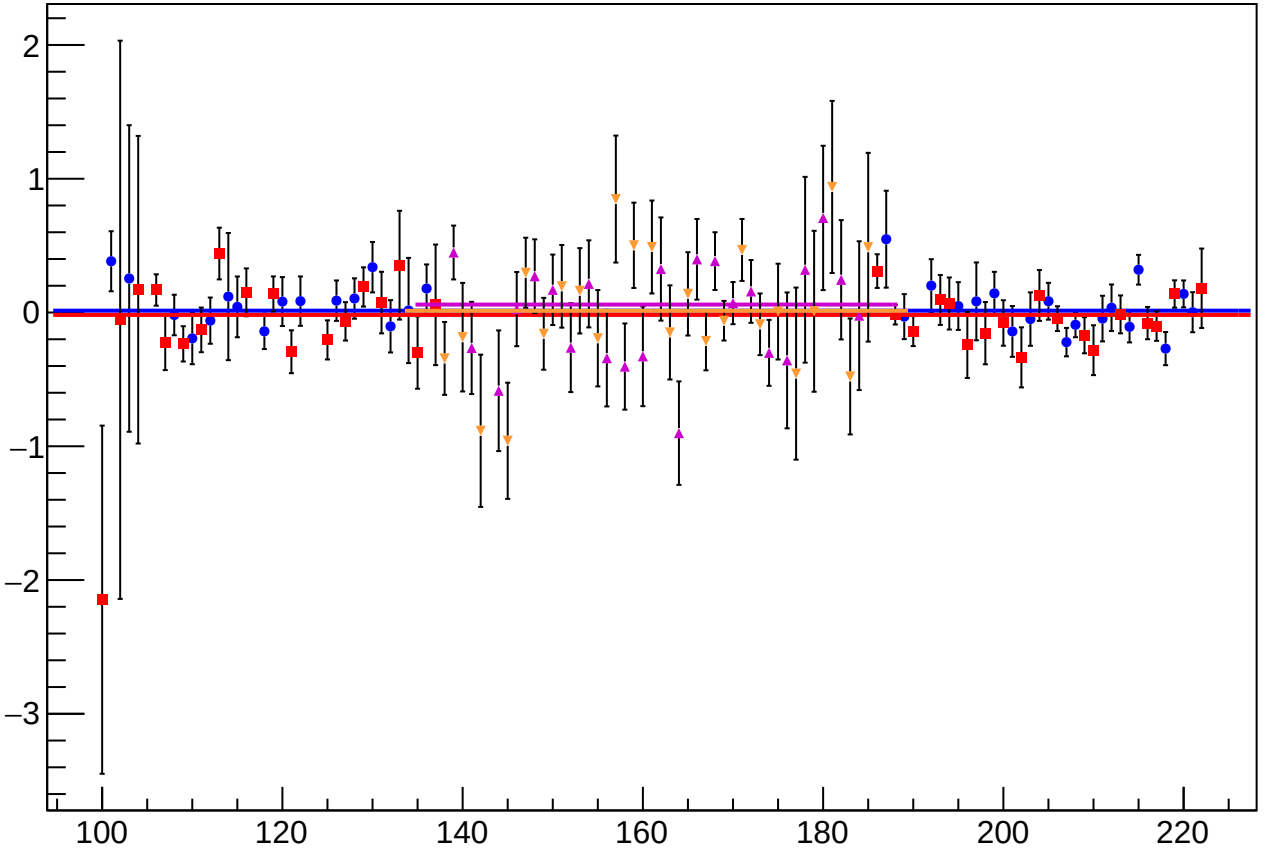
Right: 110.560+/-0.013 χ^2/NDF: 10538372.0/69

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 125.073+/-0.017 χ^2/NDF:20222342.7/59

All: 131.413+/-0.012 χ^2/NDF: 35181265.7/11

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: -0.018+/-0.025 χ^2/NDF: 45.4/35

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

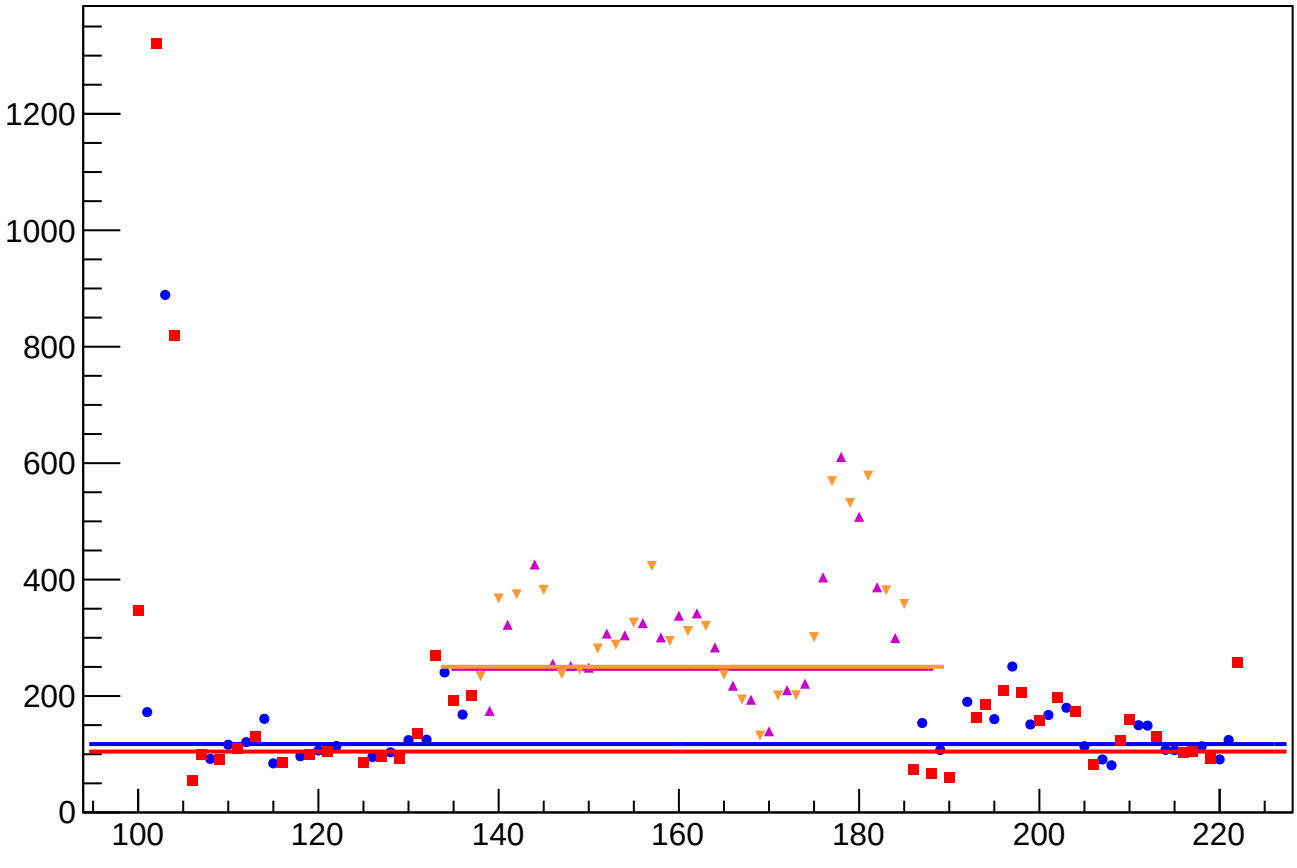
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.003+/-0.019 χ^2/NDF: 83.5/69

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.014+/-0.024 χ^2/NDF:75.0/59

All: 0.003+/-0.017 χ^2/NDF: 141.7/116



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: 104.581+/-0.018 χ^2/NDF: 6683514.8/35

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

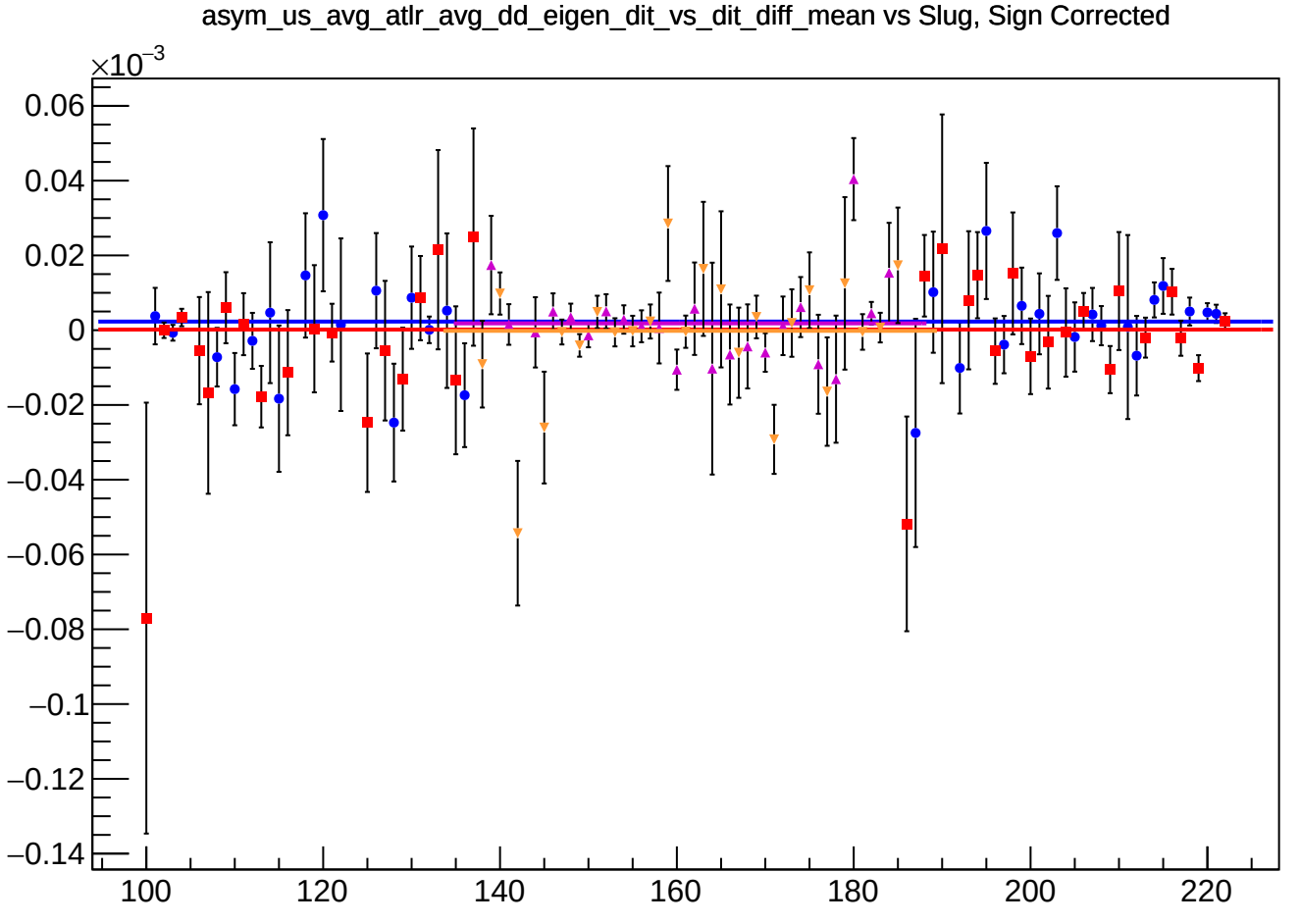
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 110.560+/-0.013 χ^2/NDF: 10538372.0/69

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 125.073+/-0.017 χ^2/NDF:20222342.7/59

All: 131.413+/-0.012 χ^2/NDF: 35181265.7/11



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: 41.6/35

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

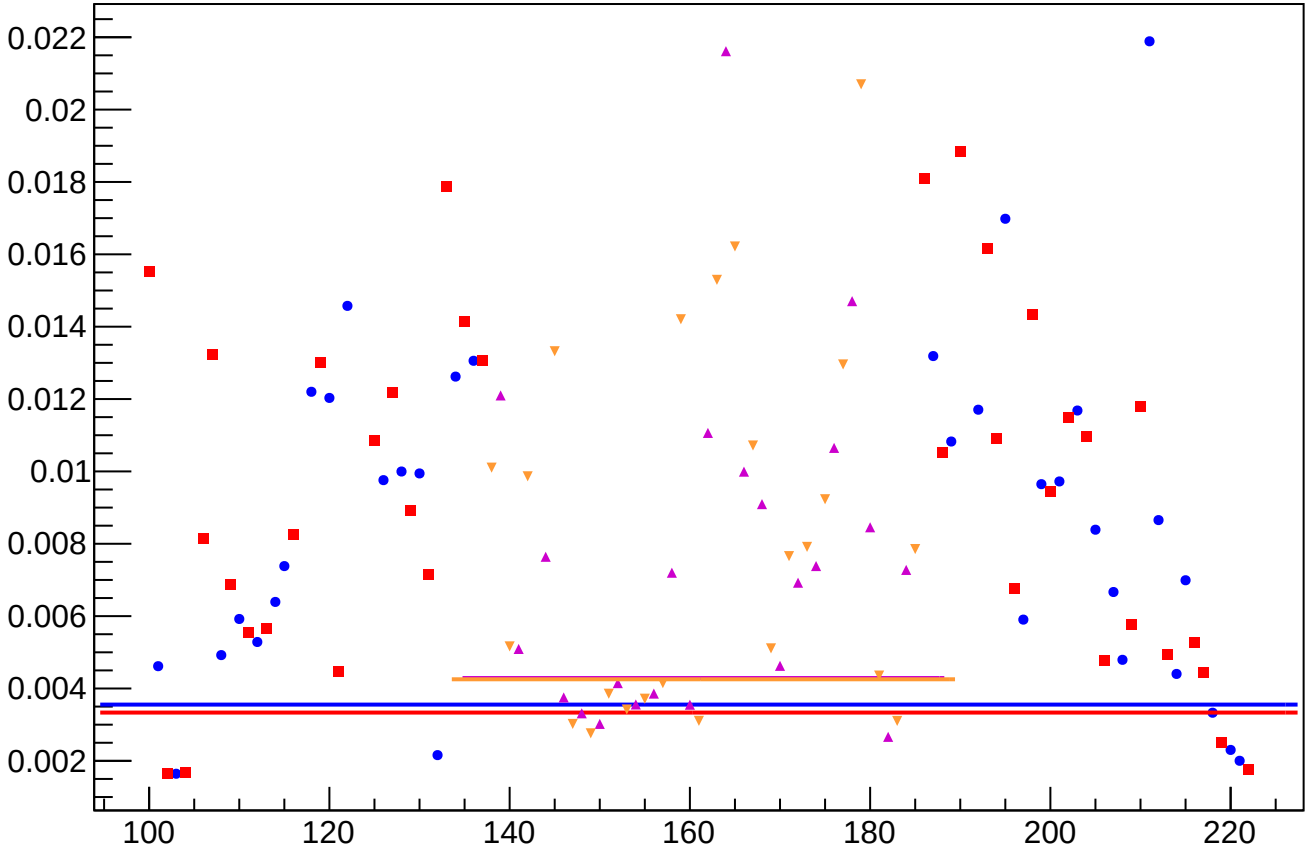
Right: 0.000+/-0.000 χ^2/NDF: 75.8/69

In: 0.000+/-0.000 χ^2/NDF:60.1/56

Out: 0.000+/-0.000 χ^2/NDF:78.8/59

All: 0.000+/-0.000 χ^2/NDF: 142.7/116

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: 0.003+/-0.000 χ^2/NDF: 17146678.7/35

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

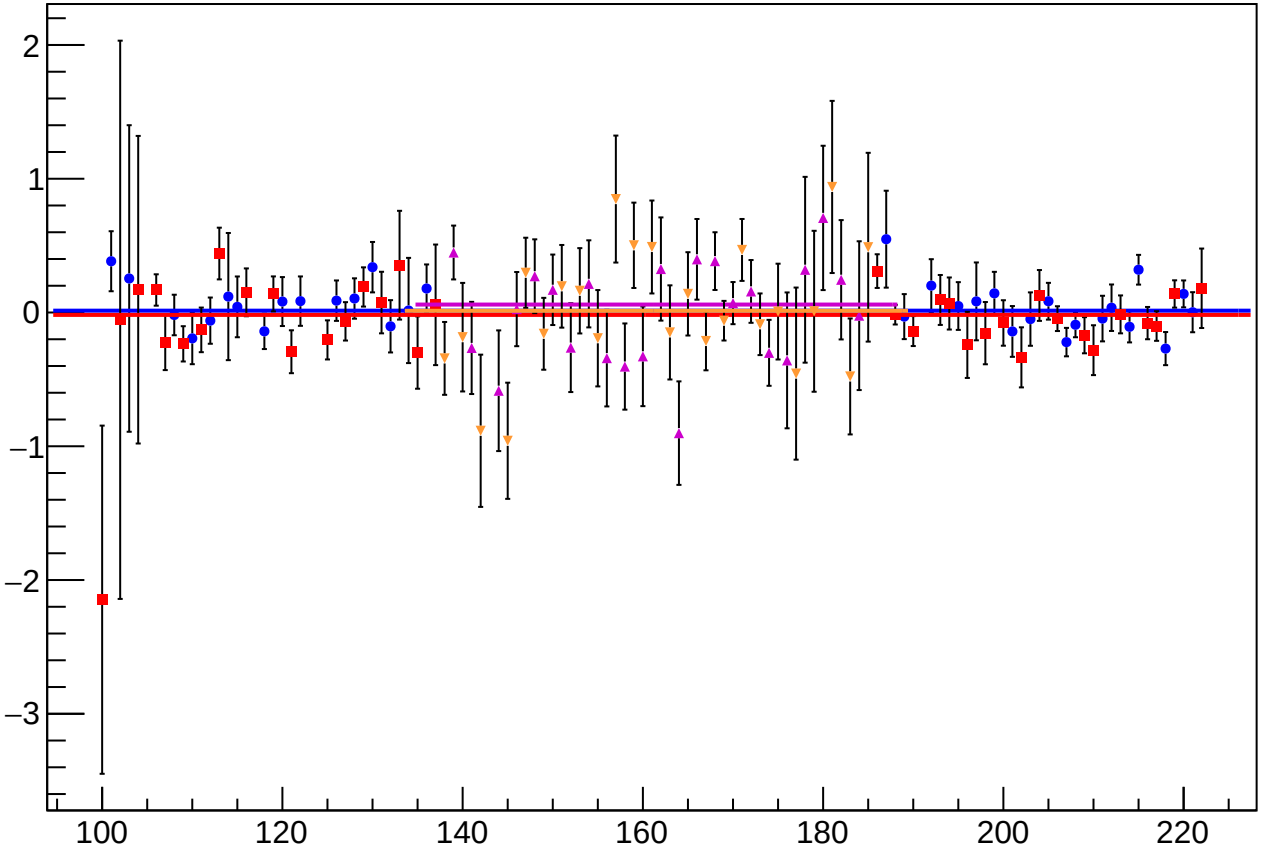
Right: 0.003+/-0.000 χ^2/NDF: 32749555.0/69

In: 0.004+/-0.000 χ^2/NDF:22598888.4/56

Out: 0.004+/-0.000 χ^2/NDF:26374207.7/59

All: 0.004+/-0.000 χ^2/NDF: 49013369.0/116

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: -0.018+/-0.025 χ^2/NDF: 45.4/35

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

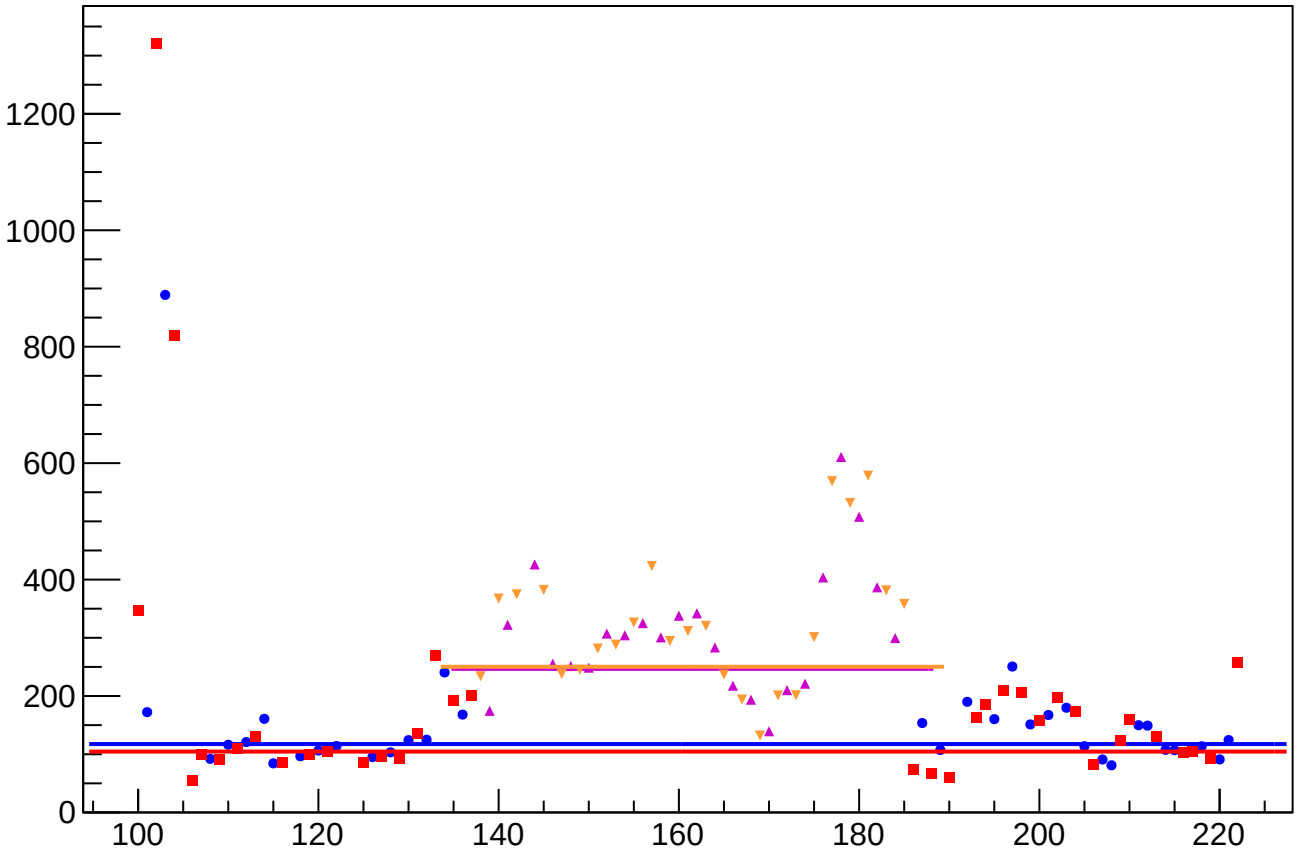
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.003+/-0.019 χ^2/NDF: 83.5/69

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.014+/-0.024 χ^2/NDF:75.0/59

All: 0.003+/-0.017 χ^2/NDF: 141.7/116



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: 104.578+/-0.018 χ^2/NDF: 6684101.4/35

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

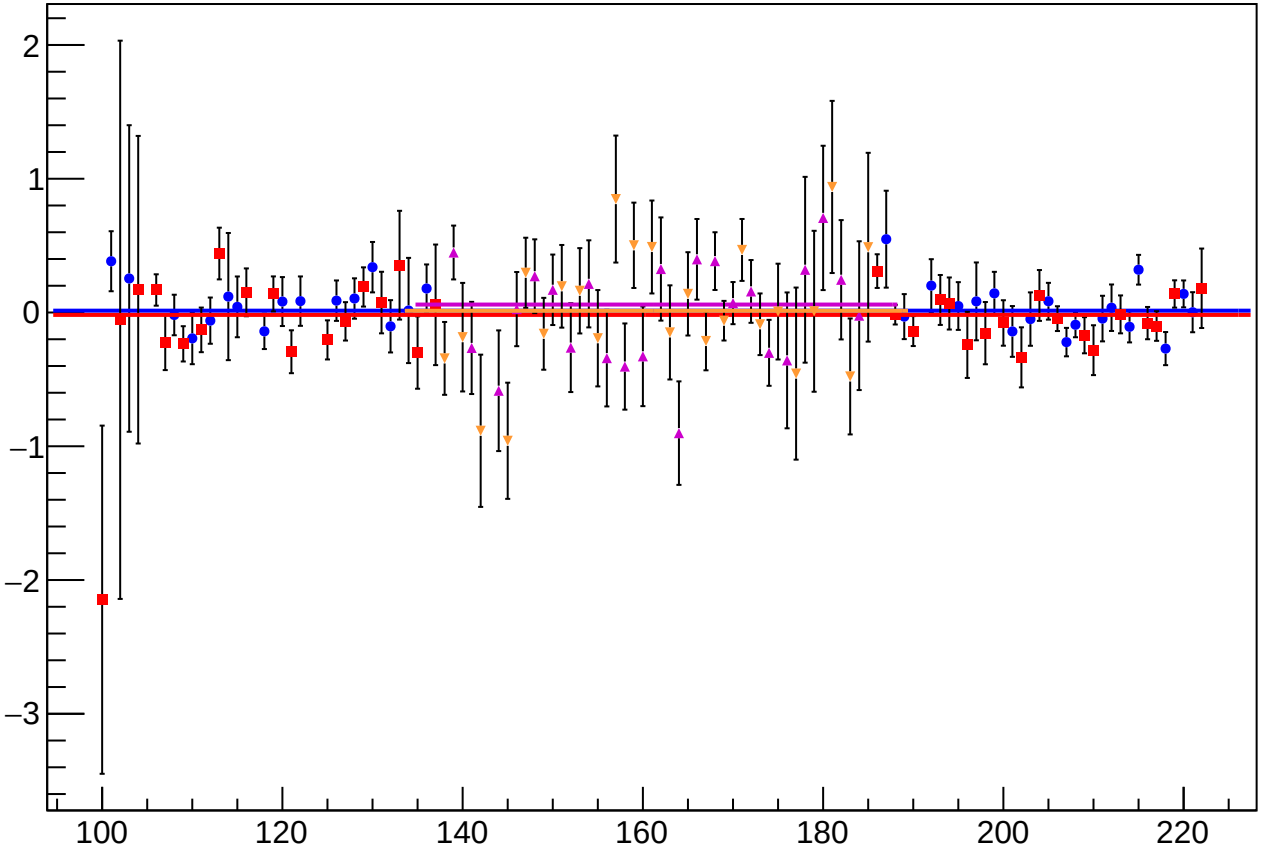
Right: 110.557+/-0.013 χ^2/NDF: 10539142.9/69

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 125.069+/-0.017 χ^2/NDF:20223578.7/59

All: 131.410+/-0.012 χ^2/NDF: 35183019.9/11

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: -0.018+/-0.025 χ^2/NDF: 45.4/35

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

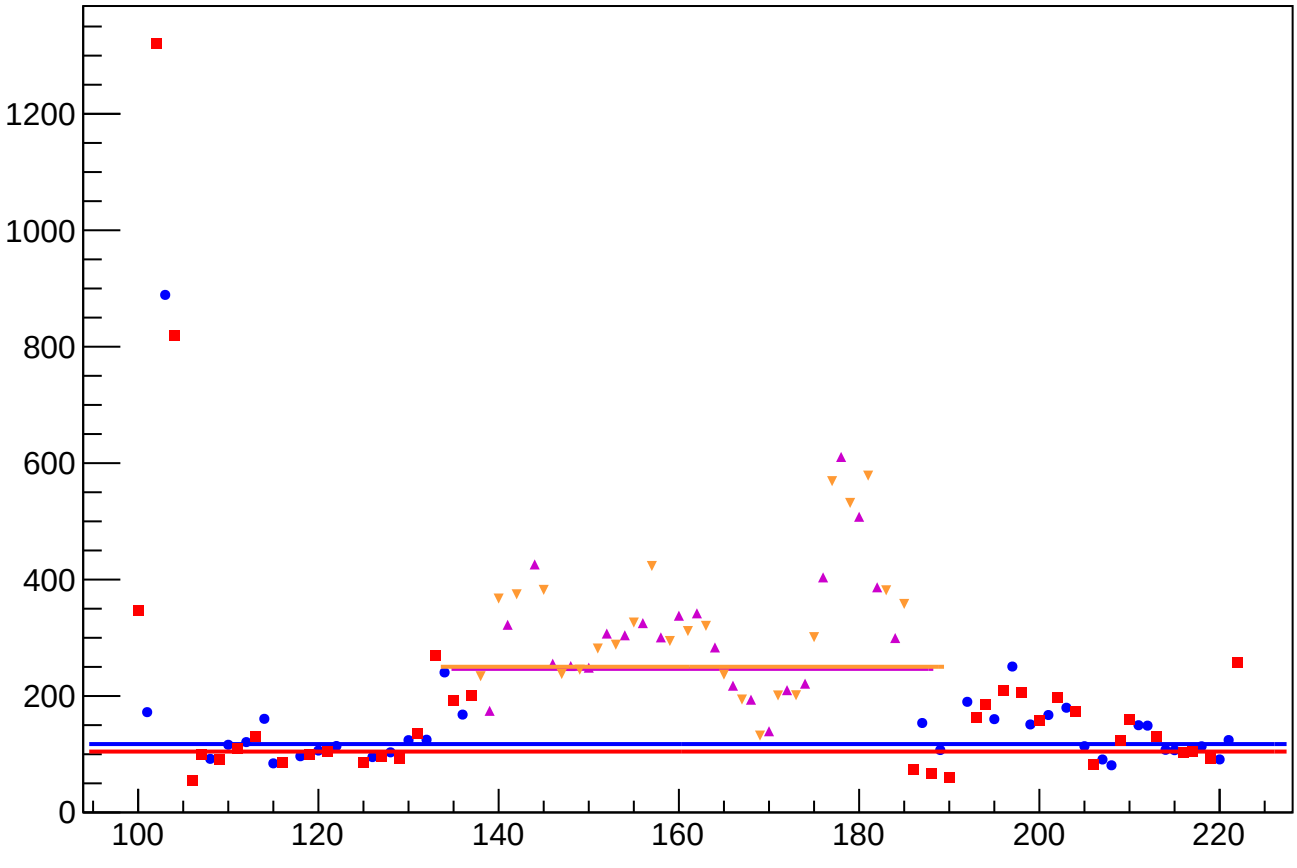
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.003+/-0.019 χ^2/NDF: 83.5/69

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.014+/-0.024 χ^2/NDF:75.0/59

All: 0.003+/-0.017 χ^2/NDF: 141.7/116



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: 104.578+/-0.018 χ^2/NDF: 6684101.4/35

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

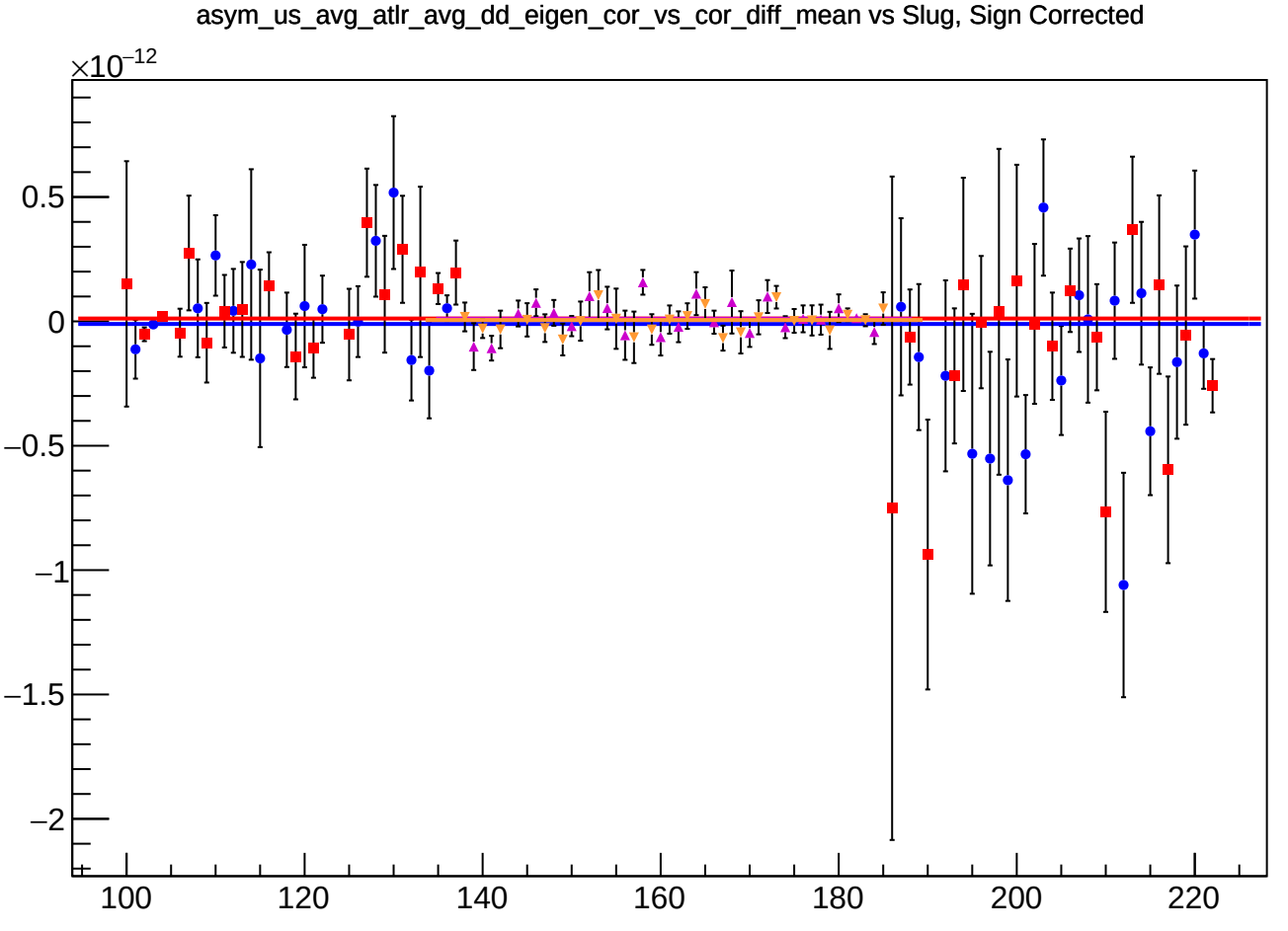
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.557+/-0.013 χ^2/NDF: 10539142.9/69

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 125.069+/-0.017 χ^2/NDF:20223578.7/59

All: 131.410+/-0.012 χ^2/NDF: 35183019.9/11



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: 41.7/35

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

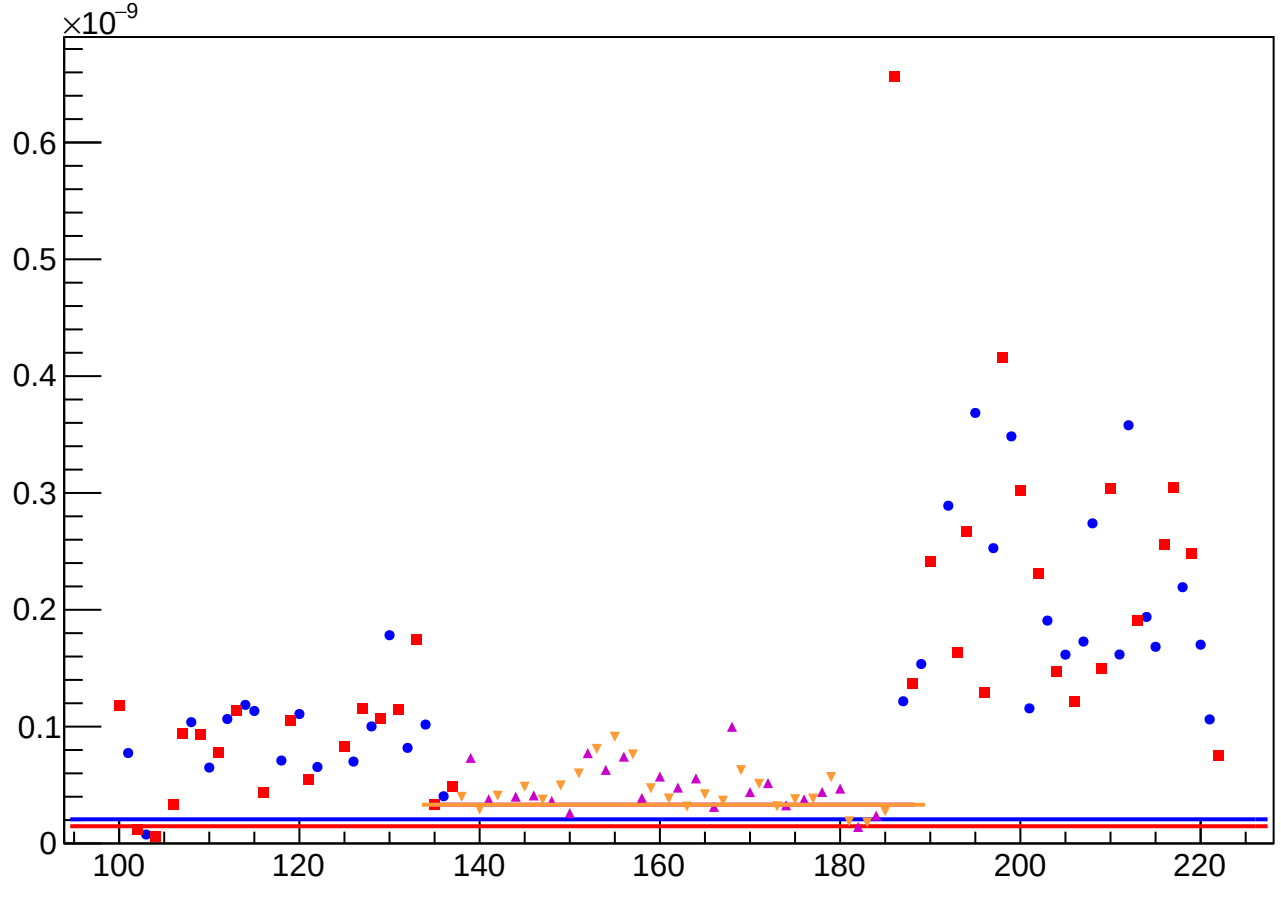
Right: 0.000+/-0.000 χ^2/NDF: 82.0/69

In: 0.000+/-0.000 χ^2/NDF:67.9/56

Out: 0.000+/-0.000 χ^2/NDF:55.7/59

All: 0.000+/-0.000 χ^2/NDF: 124.1/116

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: 19563077.8/35

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

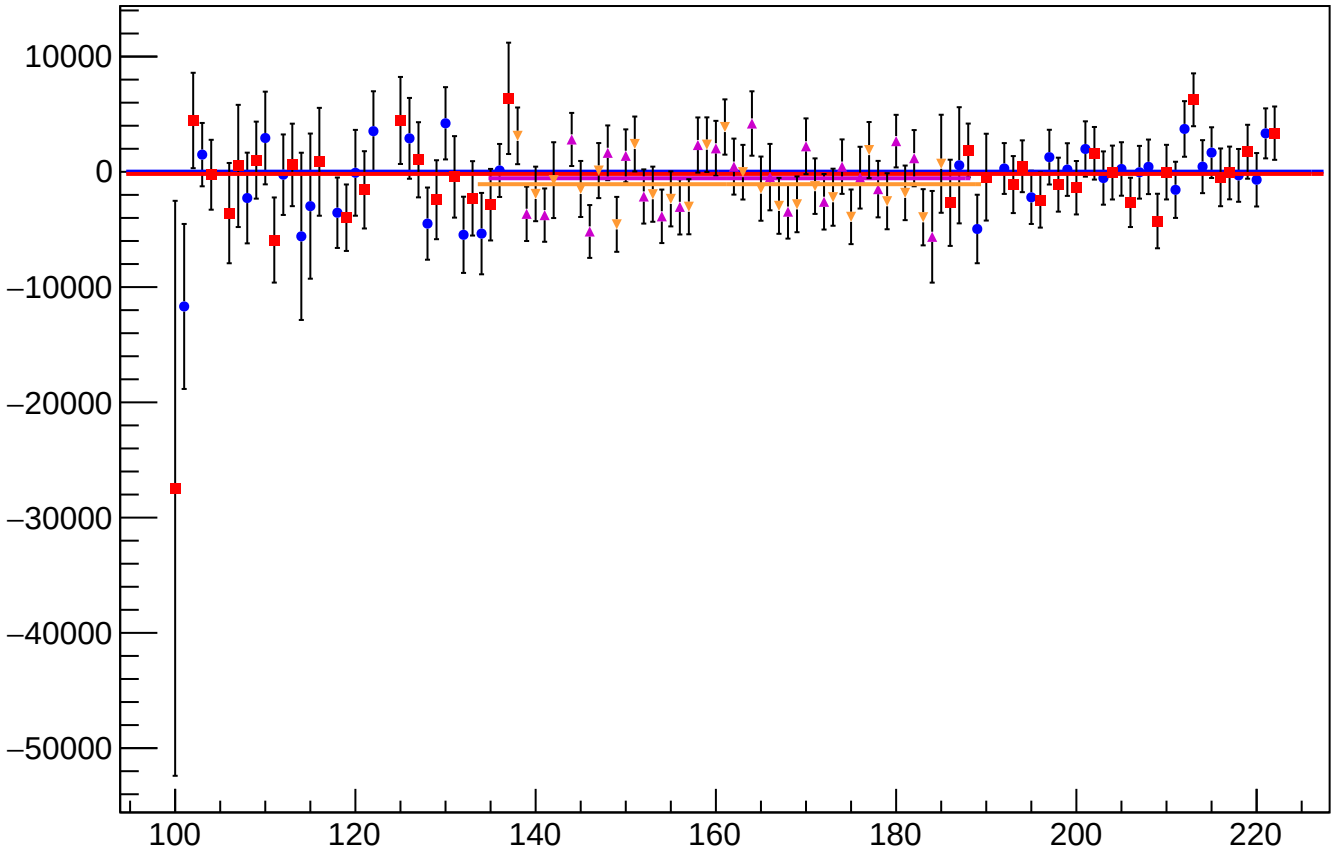
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 39394756.8/69

In: 0.000+/-0.000 χ^2/NDF:25772978.6/56

Out: 0.000+/-0.000 χ^2/NDF:26906340.1/59

All: 0.000+/-0.000 χ^2/NDF: 53053593.6/116



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: -180.726+/-475.815 χ^2/NDF: 31.3/35

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

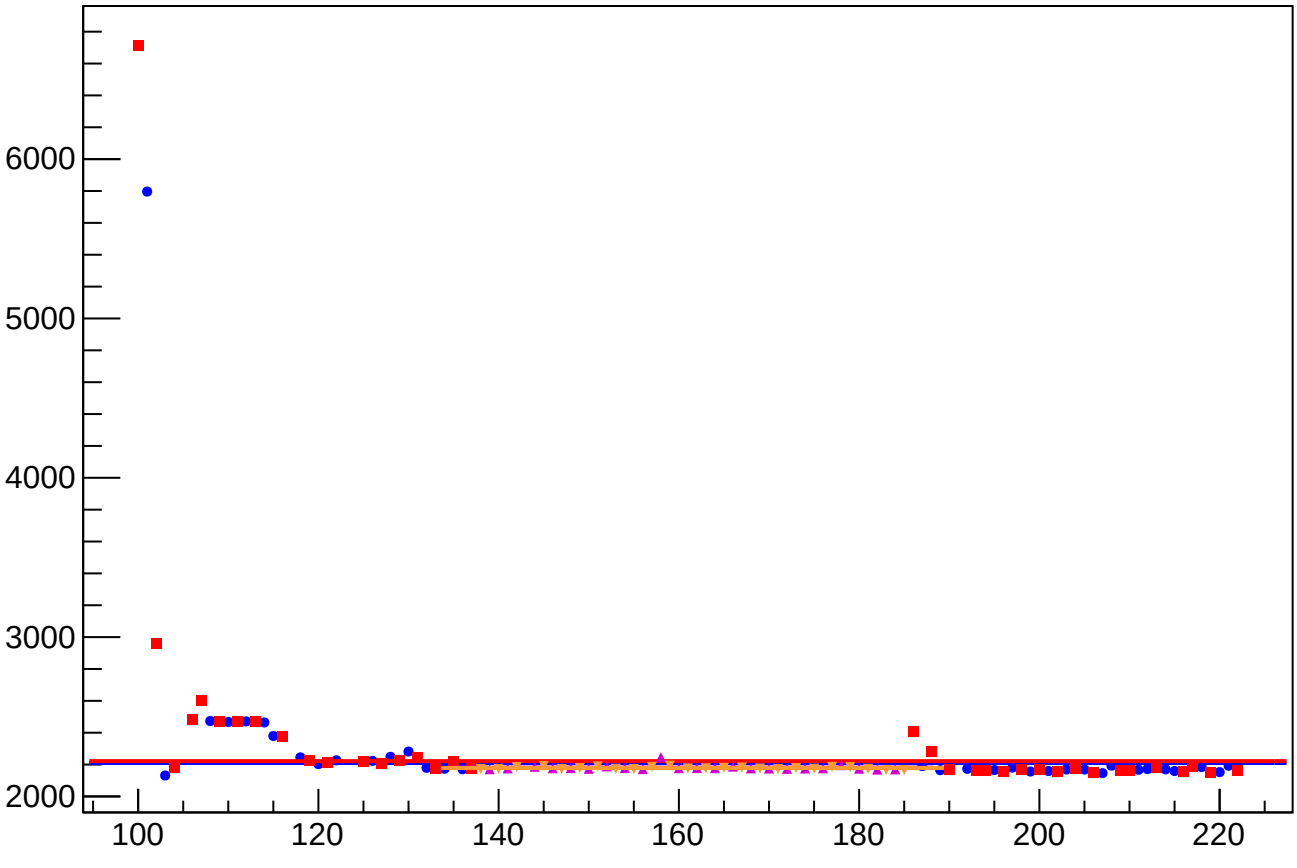
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -82.238+/-335.471 χ^2/NDF: 58.7/69

In: -249.939+/-346.576 χ^2/NDF:56.7/56

Out: -599.802+/-346.482 χ^2/NDF:54.5/59

All: -424.918+/-245.033 χ^2/NDF: 111.7/116



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: 2221.592+/-0.336 χ^2/NDF: 203742.1/35

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

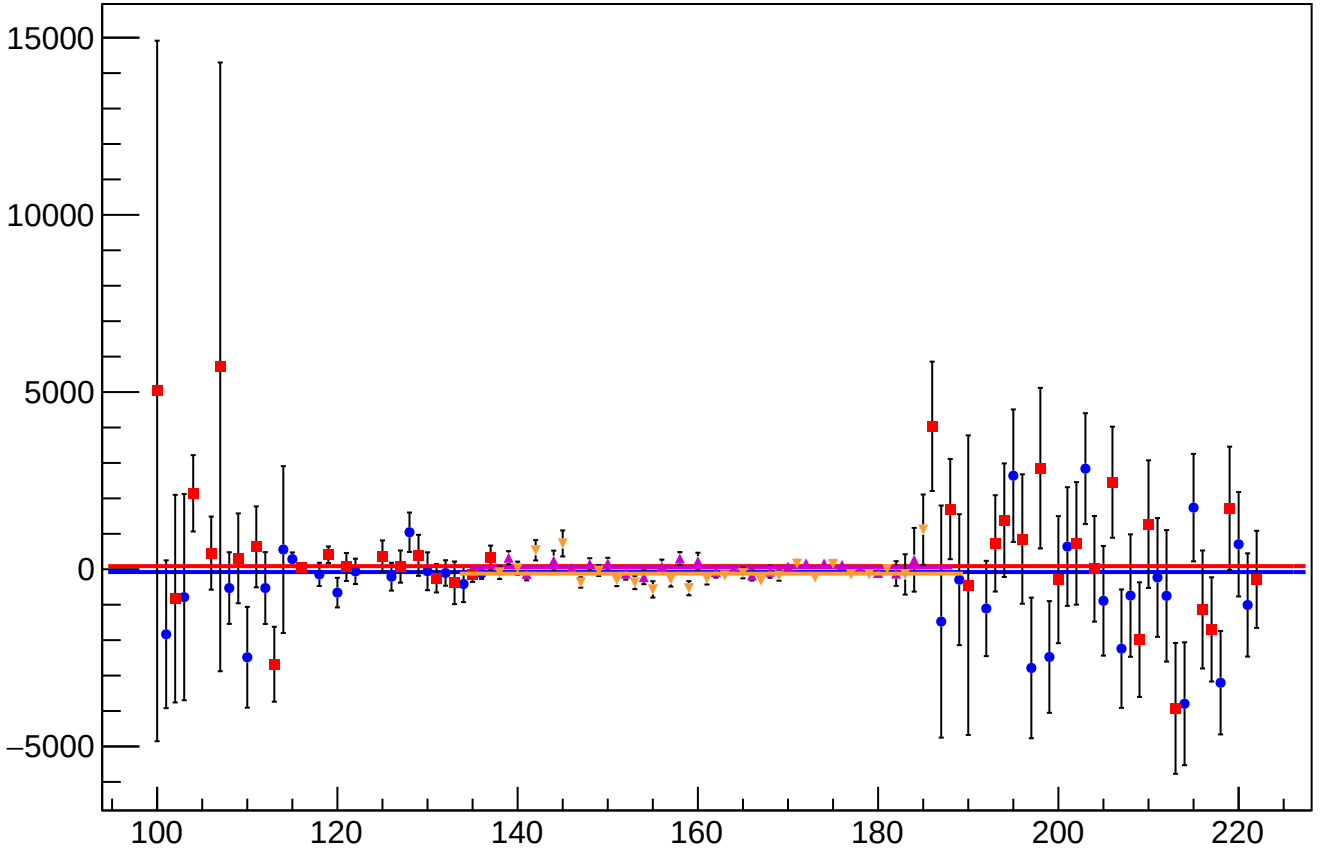
Right: 2215.728+/-0.237 χ^2/NDF: 754349.7/69

In: 2196.492+/-0.245 χ^2/NDF:555355.2/56

Out: 2201.230+/-0.245 χ^2/NDF:211928.5/59

All: 2198.862+/-0.173 χ^2/NDF: 767470.6/116

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -79.006+/-88.540 χ^2/NDF: 38.8/33

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 88.269+/-80.636 χ^2/NDF: 38.4/35

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

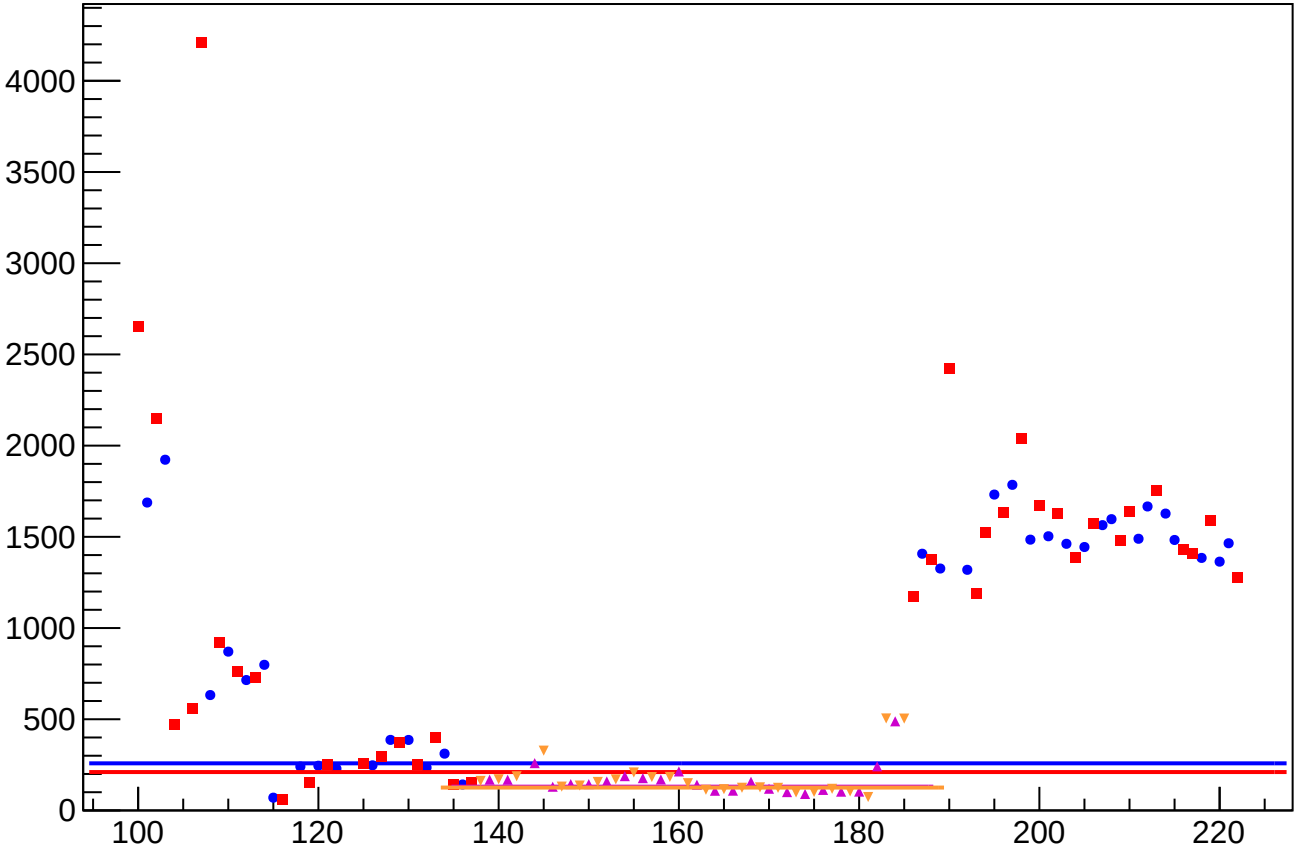
Right: 12.430+/-59.617 χ^2/NDF: 79.1/69

In: 34.924+/-30.547 χ^2/NDF:58.9/56

Out: -95.176+/-29.266 χ^2/NDF:88.2/59

All: -32.910+/-21.133 χ^2/NDF: 156.5/116

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 258.337+/-0.063 χ^2/NDF: 26307840.3/33

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 210.518+/-0.057 χ^2/NDF: 28613130.6/35

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

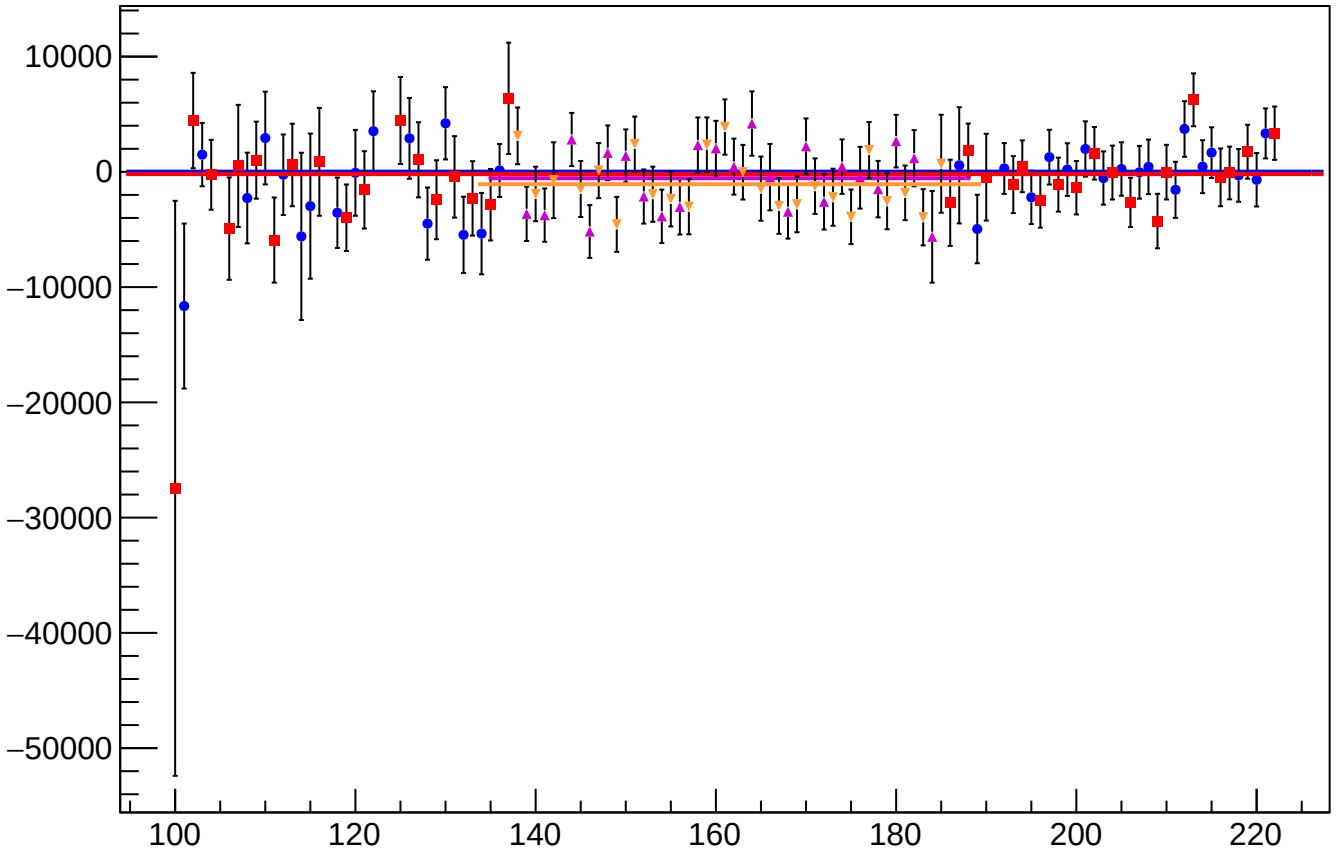
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 232.198+/-0.042 χ^2/NDF: 55239861.7/69

In: 145.660+/-0.022 χ^2/NDF:32664258.5/56

Out: 136.705+/-0.021 χ^2/NDF:34485997.3/59

All: 140.991+/-0.015 χ^2/NDF: 67239881.3/11



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: -194.578+/-475.933 χ^2/NDF: 31.8/35

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

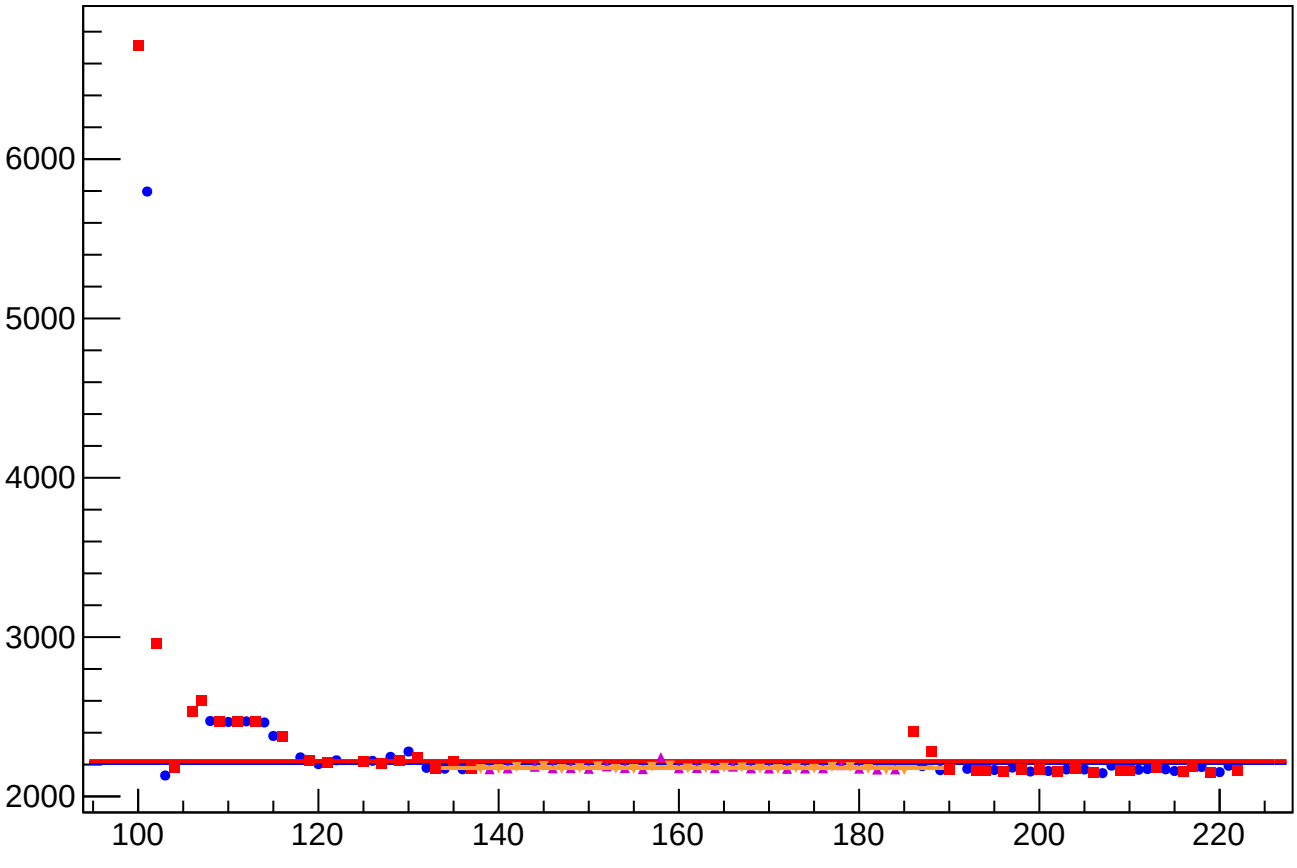
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -88.906+/-335.513 χ^2/NDF: 59.2/69

In: -249.748+/-346.576 χ^2/NDF:56.7/56

Out: -607.223+/-346.528 χ^2/NDF:55.0/59

All: -428.511+/-245.049 χ^2/NDF: 112.2/116



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: 2222.043+/-0.337 χ^2/NDF: 206392.8/35

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

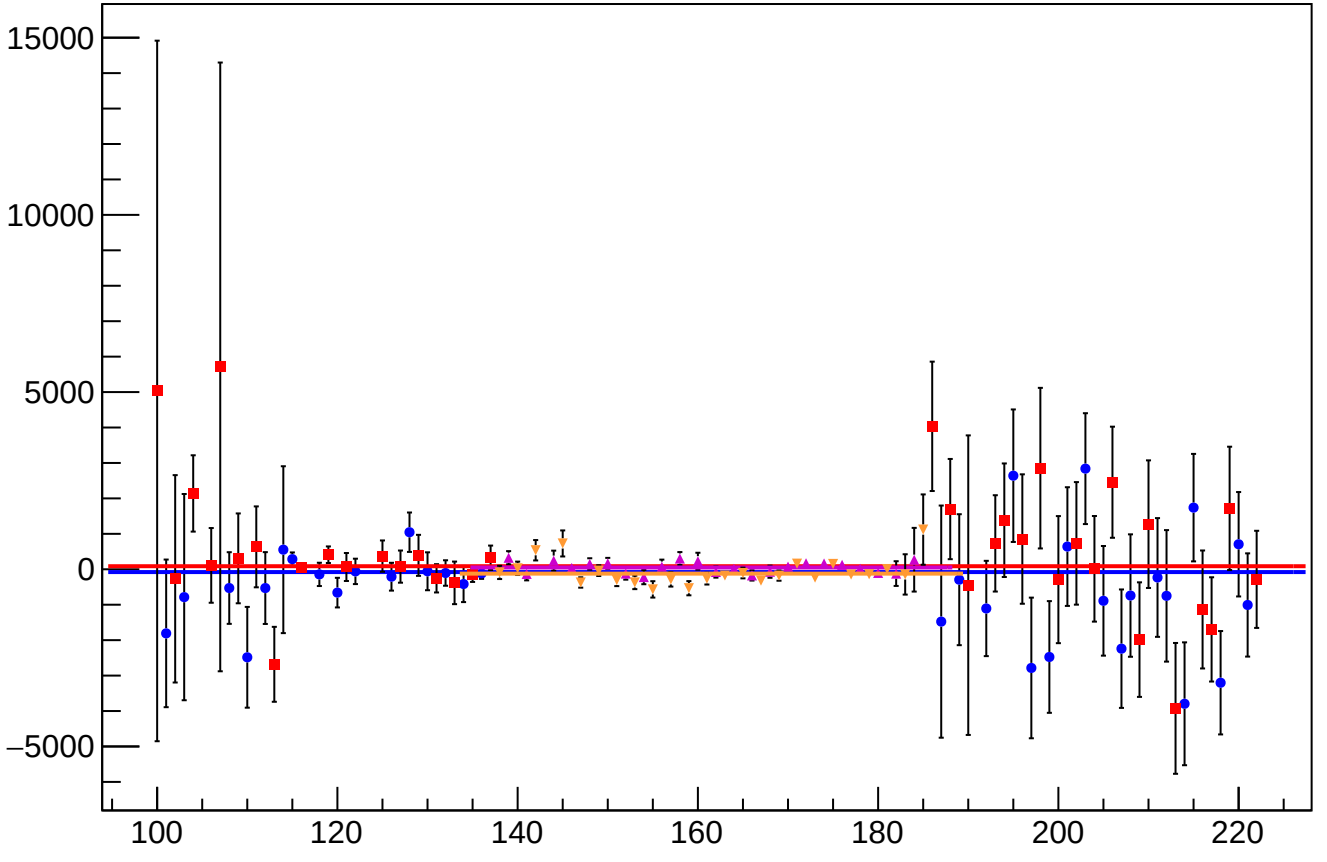
Right: 2215.951+/-0.237 χ^2/NDF: 757048.2/69

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2201.464+/-0.245 χ^2/NDF:214740.6/59

All: 2198.978+/-0.173 χ^2/NDF: 770301.9/116

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 86.333+/-80.578 χ^2/NDF: 38.2/35

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

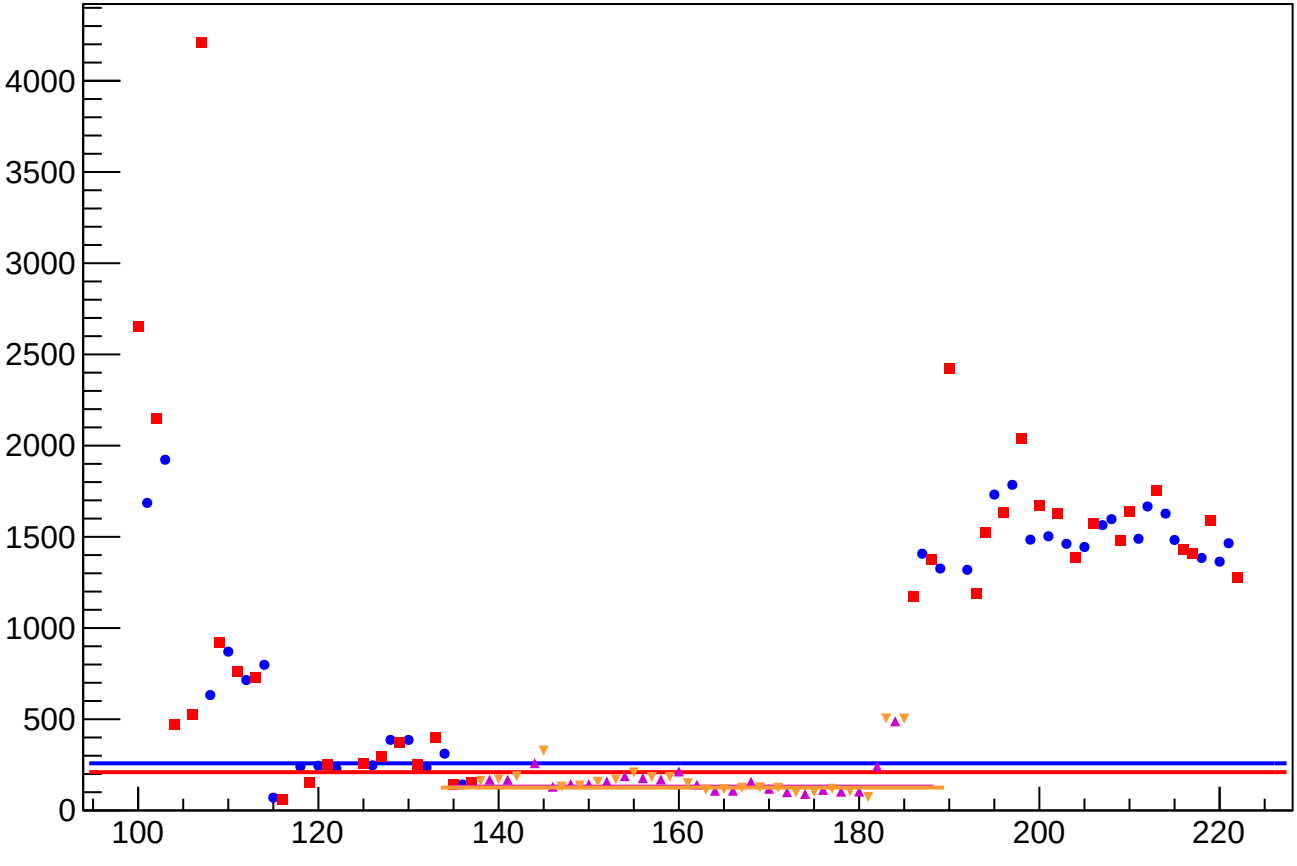
Right: 11.419+/-59.595 χ^2/NDF: 78.9/69

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.328+/-29.264 χ^2/NDF:87.9/59

All: -33.049+/-21.132 χ^2/NDF: 156.2/116

asym_us_dd_at1lr_dd_avg_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: 209.906+/-0.057 χ^2/NDF: 28587158.7/35

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

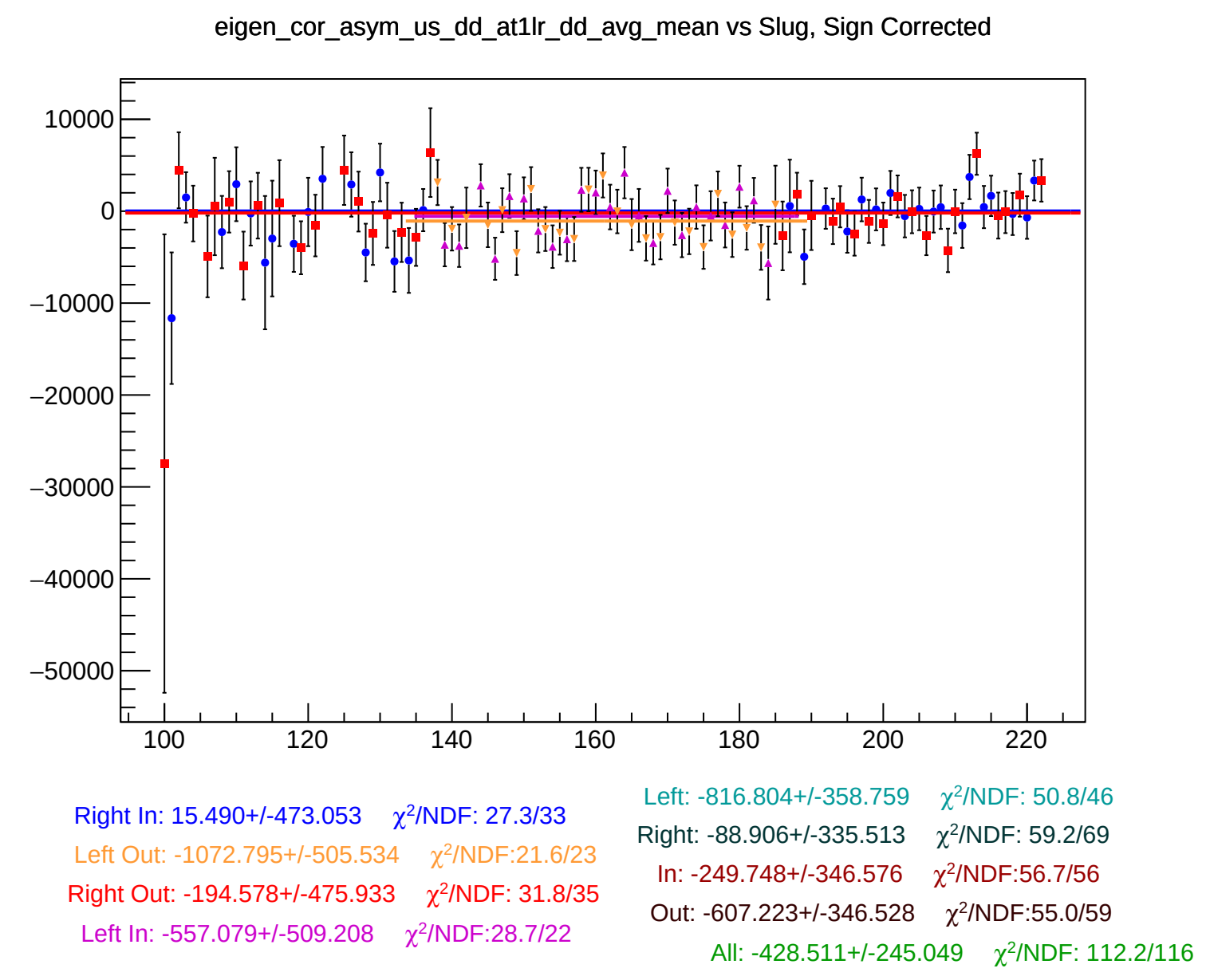
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

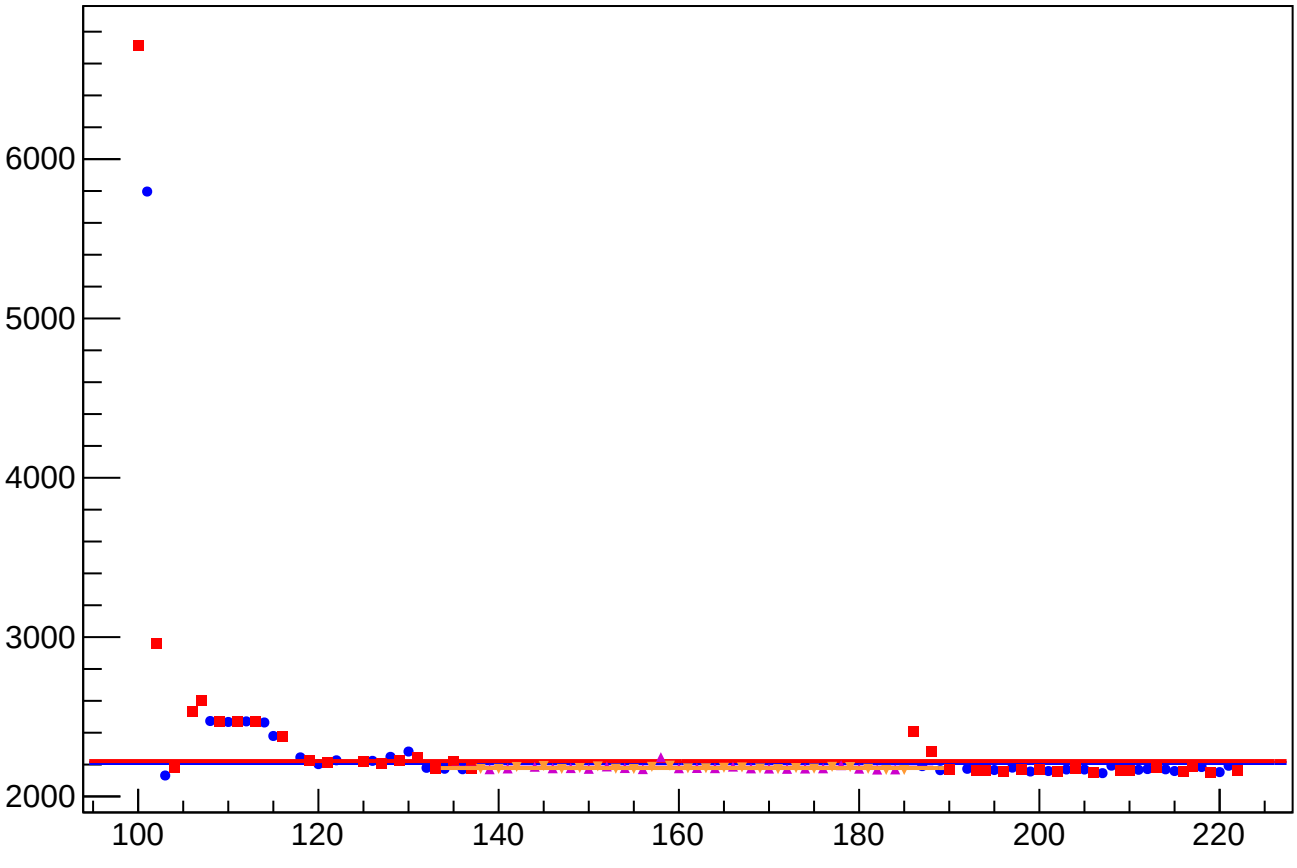
Right: 231.859+/-0.042 χ^2/NDF: 55220722.2/69

In: 145.678+/-0.022 χ^2/NDF:32662391.5/56

Out: 136.635+/-0.021 χ^2/NDF:34435686.9/59

All: 140.962+/-0.015 χ^2/NDF: 67189468.7/11


eigen_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: -194.578+/-475.933 χ²/NDF: 31.8/35
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -88.906+/-335.513 χ²/NDF: 59.2/69
In: -249.748+/-346.576 χ²/NDF:56.7/56
Out: -607.223+/-346.528 χ²/NDF:55.0/59
All: -428.511+/-245.049 χ²/NDF: 112.2/116



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: 2222.043+/-0.337 χ^2/NDF: 206392.8/35

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

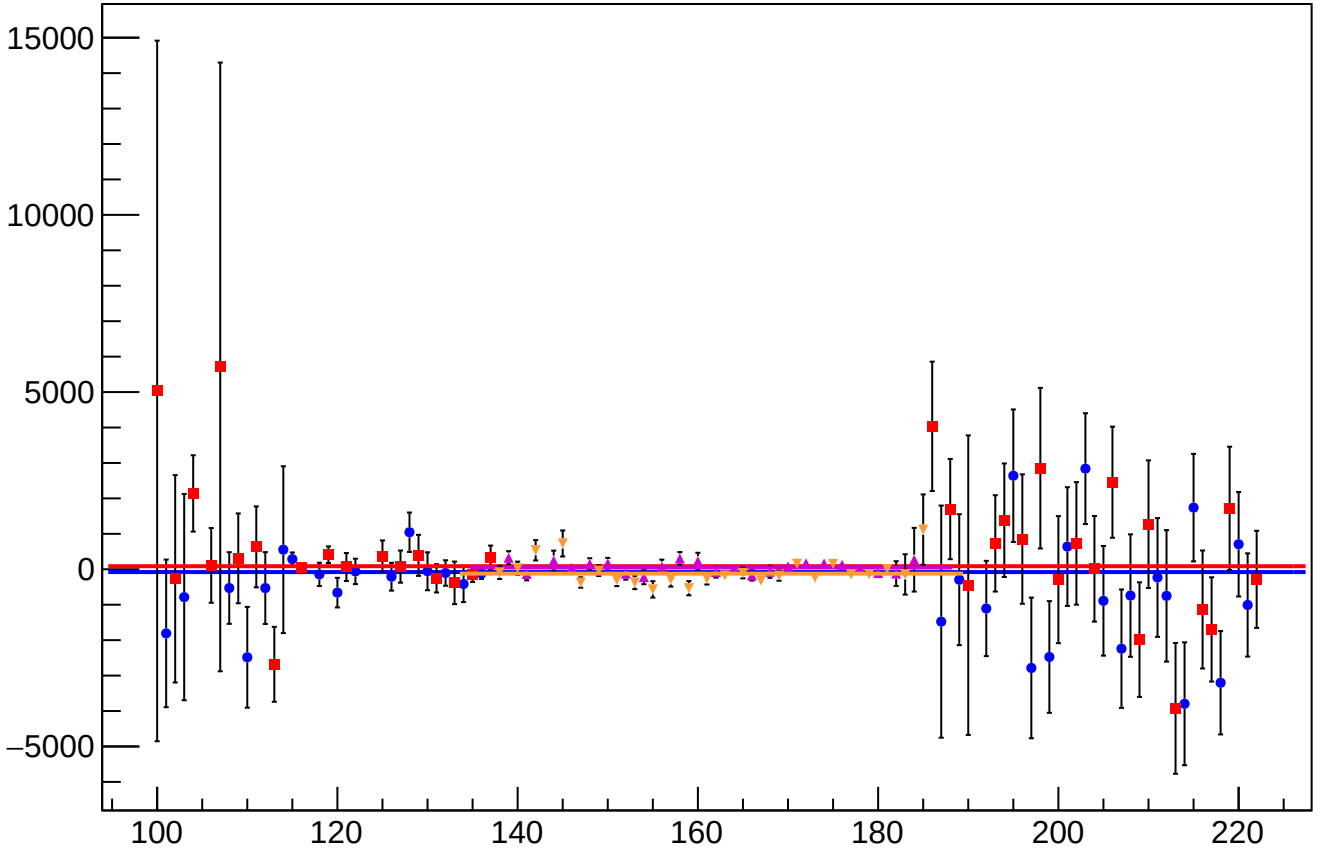
Right: 2215.951+/-0.237 χ^2/NDF: 757048.2/69

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2201.464+/-0.245 χ^2/NDF:214740.6/59

All: 2198.978+/-0.173 χ^2/NDF: 770301.9/116

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 86.333+/-80.578 χ^2/NDF: 38.2/35

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

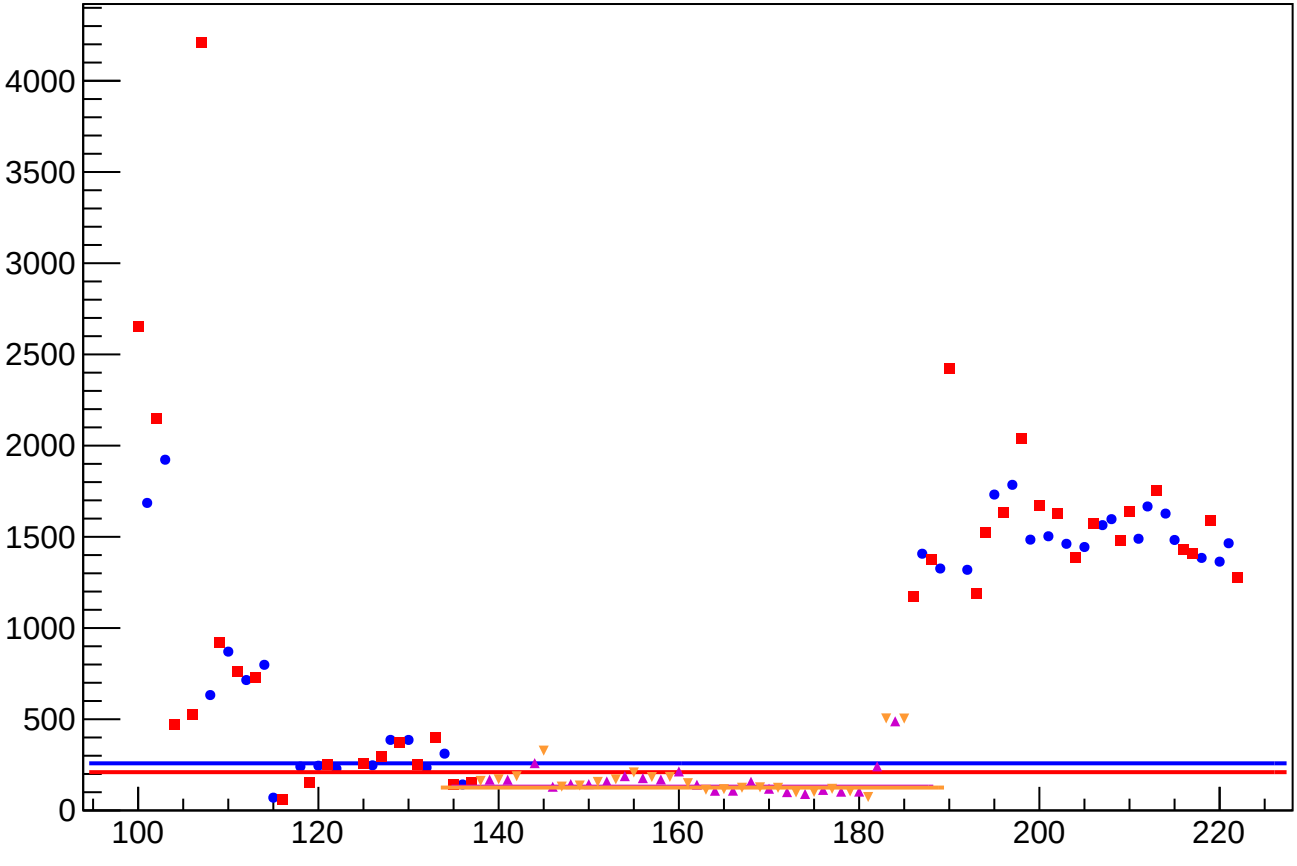
Right: 11.419+/-59.595 χ^2/NDF: 78.9/69

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.328+/-29.264 χ^2/NDF:87.9/59

All: -33.049+/-21.132 χ^2/NDF: 156.2/116

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: 209.906+/-0.057 χ^2/NDF: 28587158.7/35

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

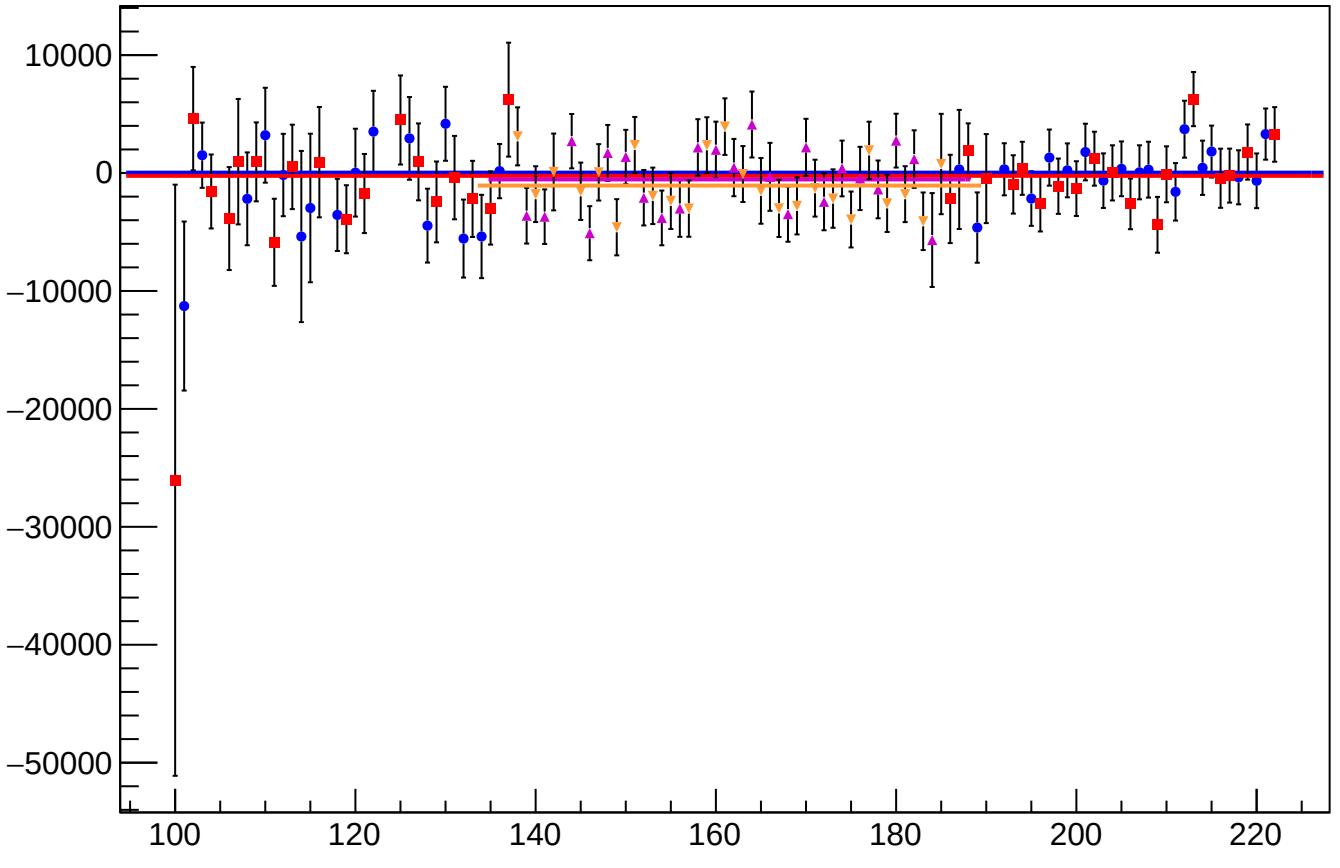
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 231.859+/-0.042 χ^2/NDF: 55220722.2/69

In: 145.678+/-0.022 χ^2/NDF:32662391.5/56

Out: 136.635+/-0.021 χ^2/NDF:34435686.9/59

All: 140.962+/-0.015 χ^2/NDF: 67189468.7/11



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: -236.658+/-477.015 χ^2/NDF: 31.0/35

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

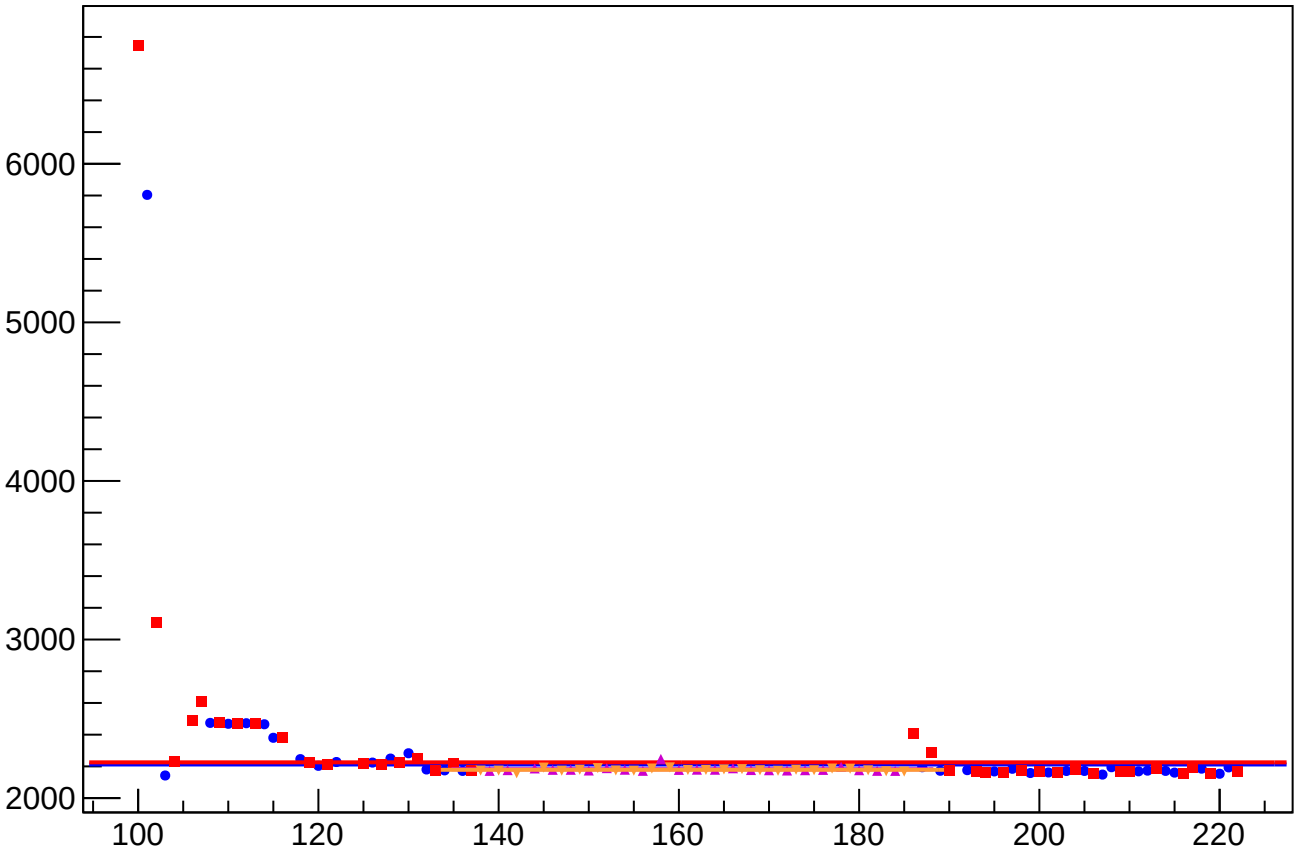
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -100.852+/-336.055 χ^2/NDF: 57.9/69

In: -234.581+/-346.828 χ^2/NDF:55.3/56

Out: -625.493+/-346.975 χ^2/NDF:54.3/59

All: -429.954+/-245.296 χ^2/NDF: 110.3/116



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: 2225.521+/-0.337 χ^2/NDF: 222599.5/35

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

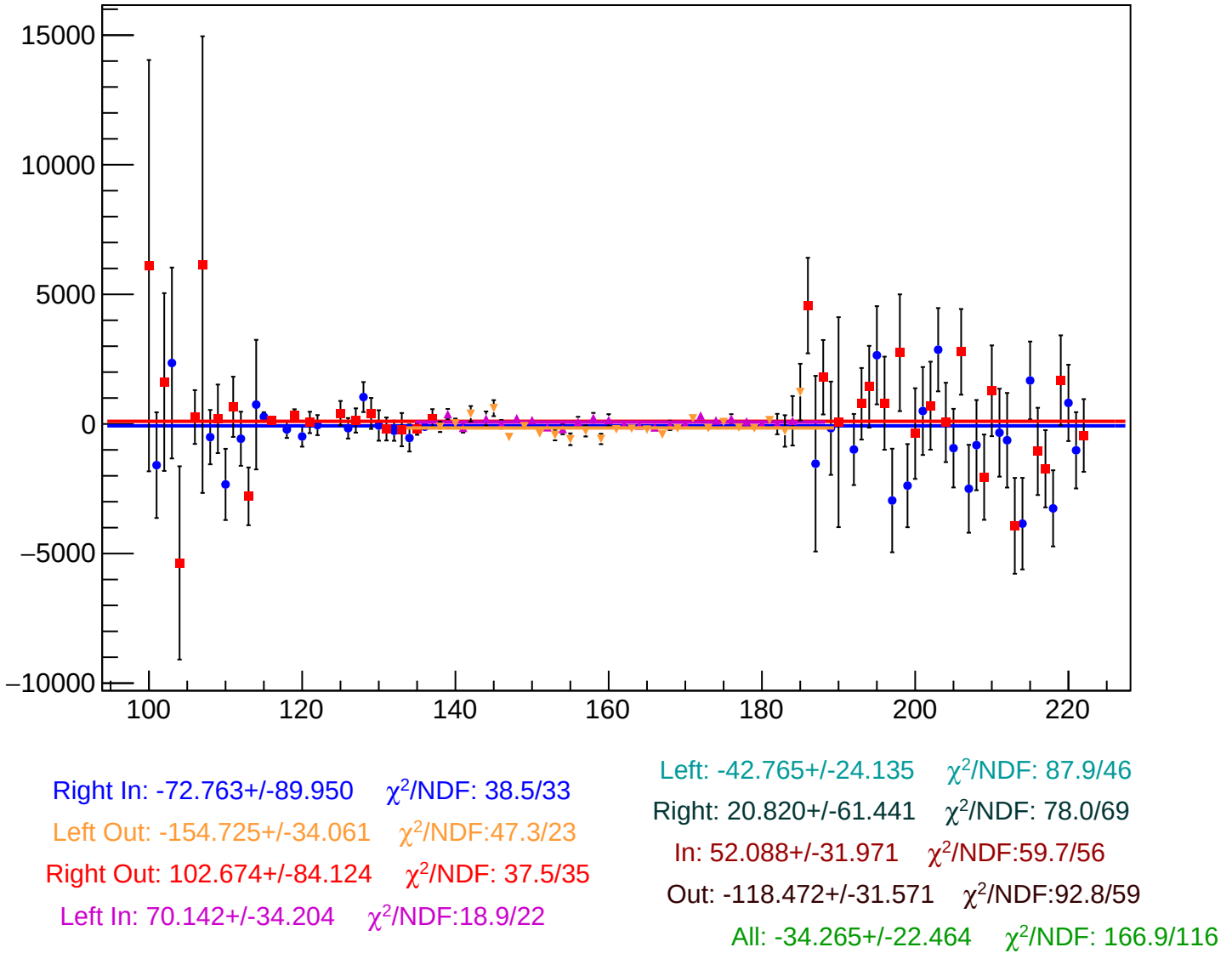
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

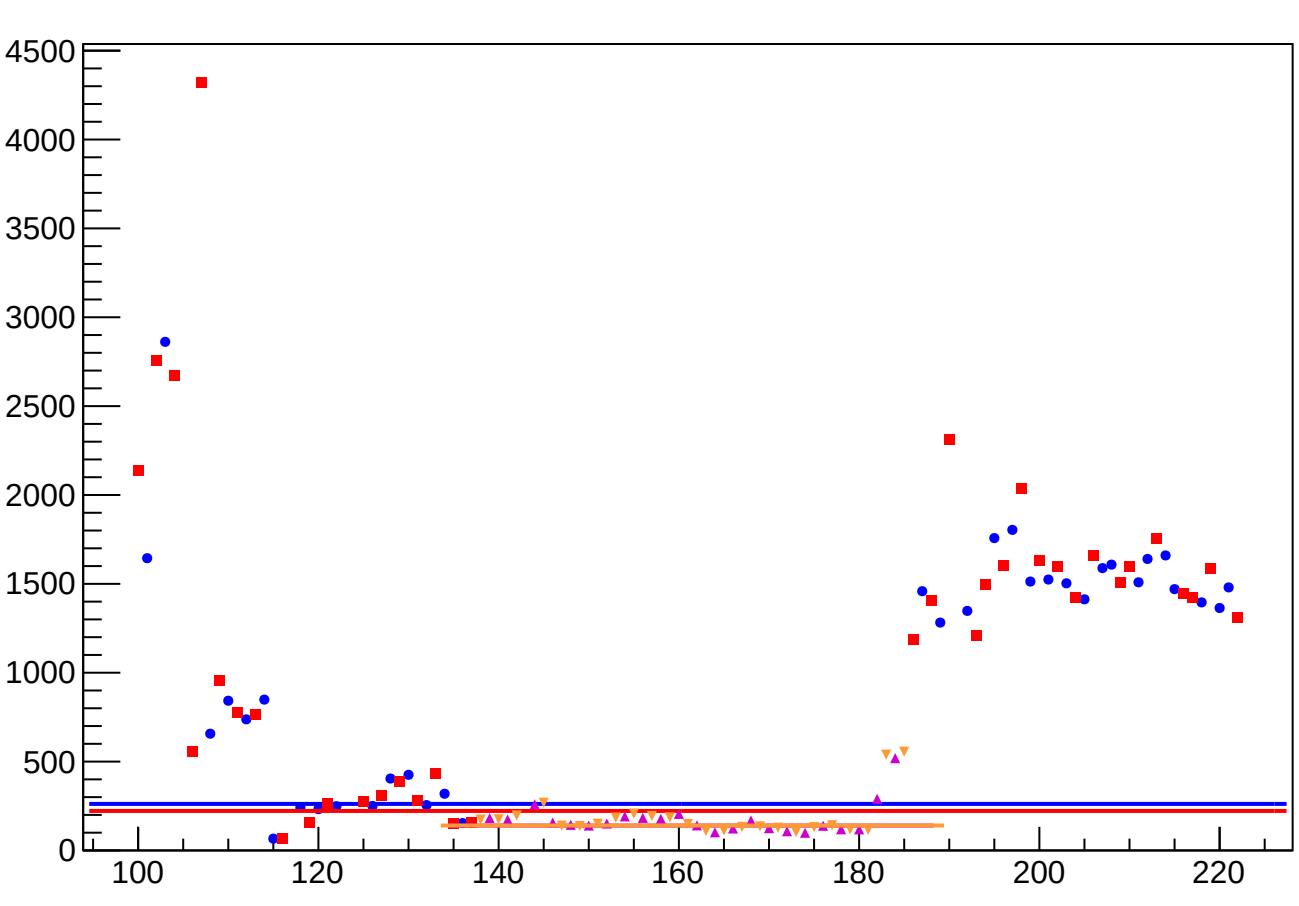
Right: 2218.712+/-0.238 χ^2/NDF: 772958.4/69

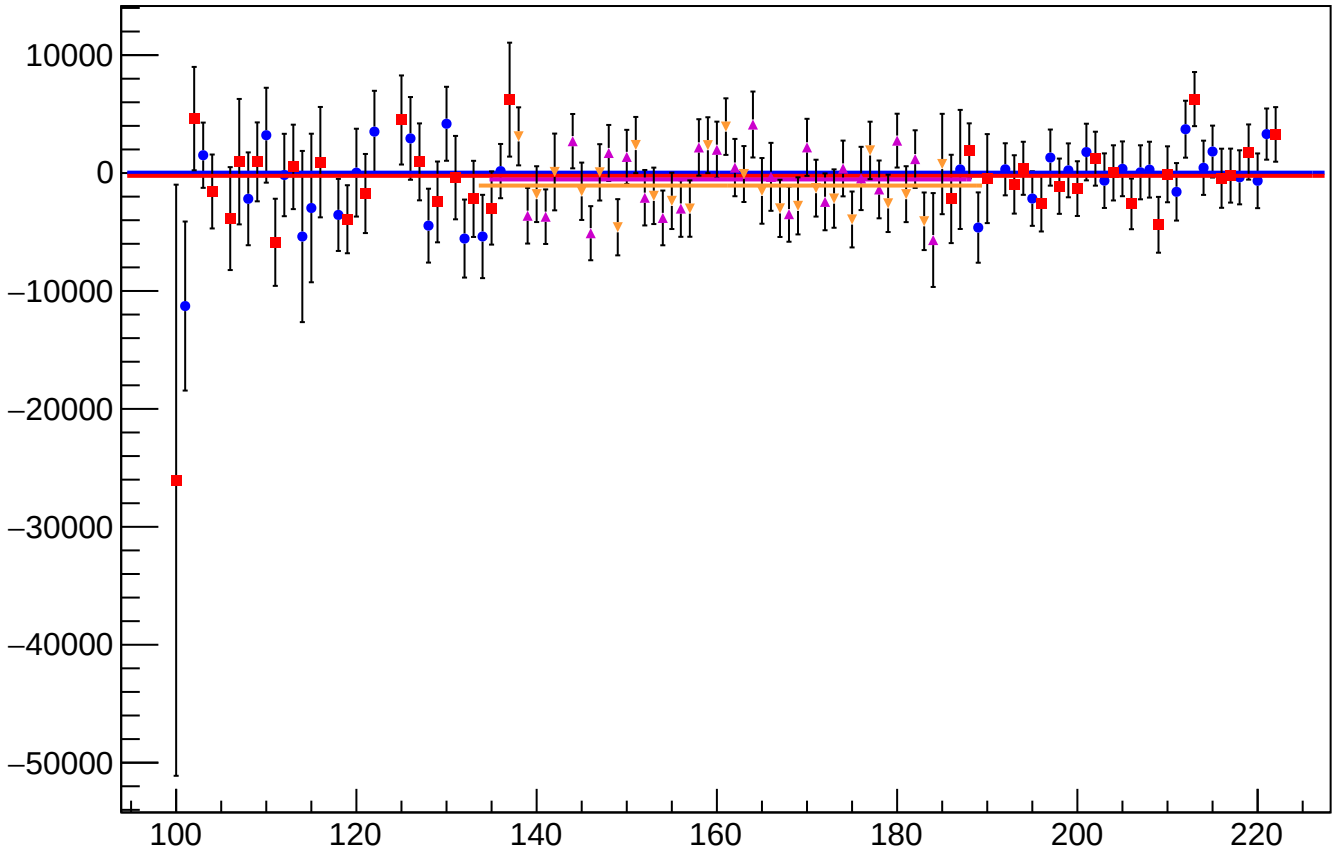
In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2203.380+/-0.245 χ^2/NDF:232205.7/59

All: 2200.710+/-0.173 χ^2/NDF: 787581.6/116


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -72.763+/-89.950 χ²/NDF: 38.5/33
Left Out: -154.725+/-34.061 χ²/NDF:47.3/23
Right Out: 102.674+/-84.124 χ²/NDF: 37.5/35
Left In: 70.142+/-34.204 χ²/NDF:18.9/22
Left: -42.765+/-24.135 χ²/NDF: 87.9/46
Right: 20.820+/-61.441 χ²/NDF: 78.0/69
In: 52.088+/-31.971 χ²/NDF:59.7/56
Out: -118.472+/-31.571 χ²/NDF:92.8/59
All: -34.265+/-22.464 χ²/NDF: 166.9/116


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 261.892+/-0.064 χ²/NDF: 26844226.1/33
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 222.343+/-0.059 χ²/NDF: 29268579.0/35
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
Left: 140.149+/-0.017 χ²/NDF: 5172838.7/46
Right: 240.795+/-0.043 χ²/NDF: 56319044.0/69
In: 155.380+/-0.023 χ²/NDF:32466448.0/56
Out: 151.871+/-0.022 χ²/NDF:33662454.0/59
All: 153.603+/-0.016 χ²/NDF: 66141097.6/11



Right In: 32.965+/-473.512 χ^2/NDF: 26.7/33

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -236.659+/-477.015 χ^2/NDF: 31.0/35

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

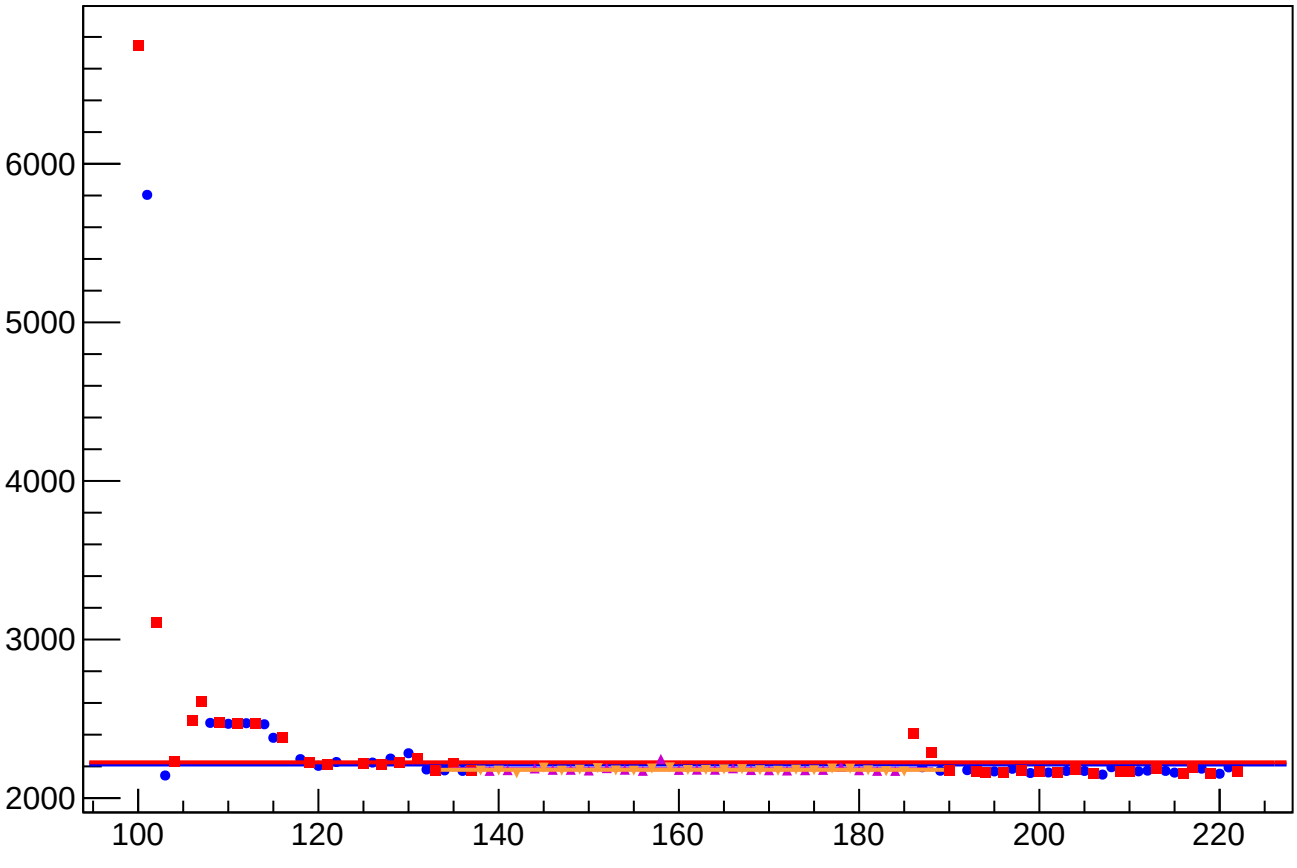
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -100.853+/-336.055 χ^2/NDF: 57.9/69

In: -234.582+/-346.828 χ^2/NDF:55.3/56

Out: -625.494+/-346.975 χ^2/NDF:54.3/59

All: -429.955+/-245.296 χ^2/NDF: 110.3/116



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: 2225.521+/-0.337 χ^2/NDF: 222599.4/35

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

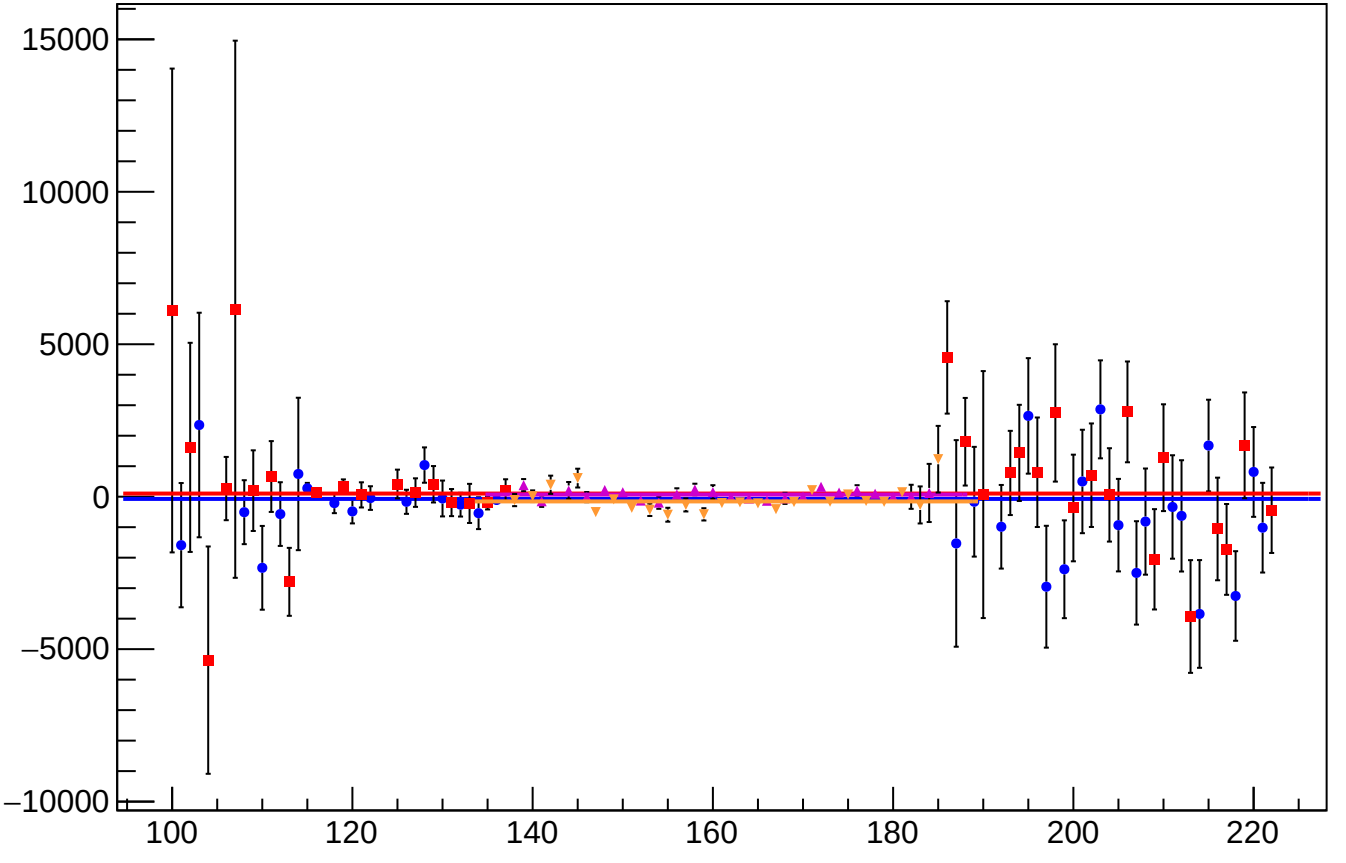
Right: 2218.712+/-0.238 χ^2/NDF: 772958.3/69

In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2203.380+/-0.245 χ^2/NDF:232205.6/59

All: 2200.710+/-0.173 χ^2/NDF: 787581.5/116

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -72.760+/-89.949 χ^2/NDF: 38.5/33

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.675+/-84.123 χ^2/NDF: 37.5/35

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

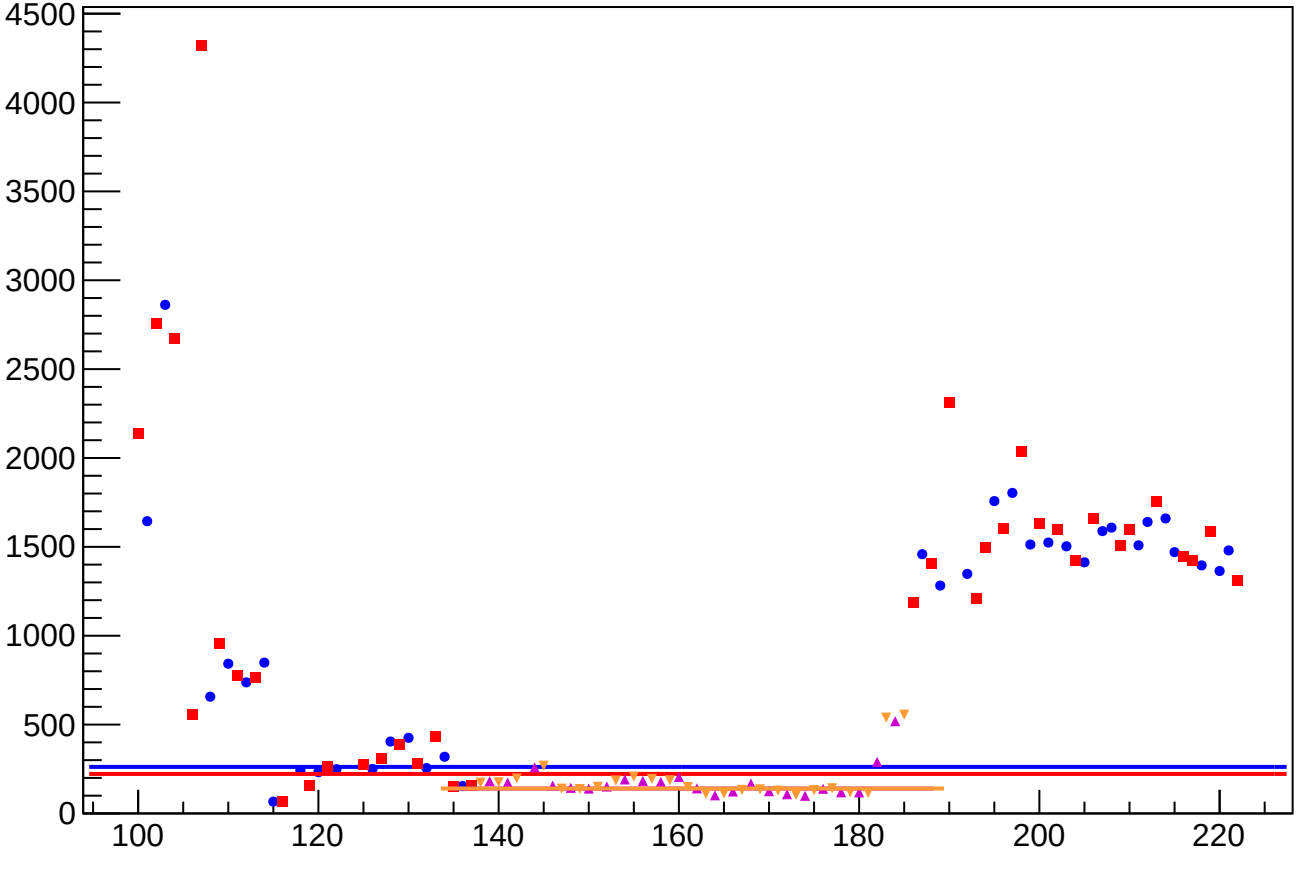
Right: 20.823+/-61.441 χ^2/NDF: 78.0/69

In: 52.088+/-31.971 χ^2/NDF:59.7/56

Out: -118.472+/-31.571 χ^2/NDF:92.8/59

All: -34.266+/-22.464 χ^2/NDF: 166.9/116

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: 222.339+/-0.059 χ^2/NDF: 29268741.1/35

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

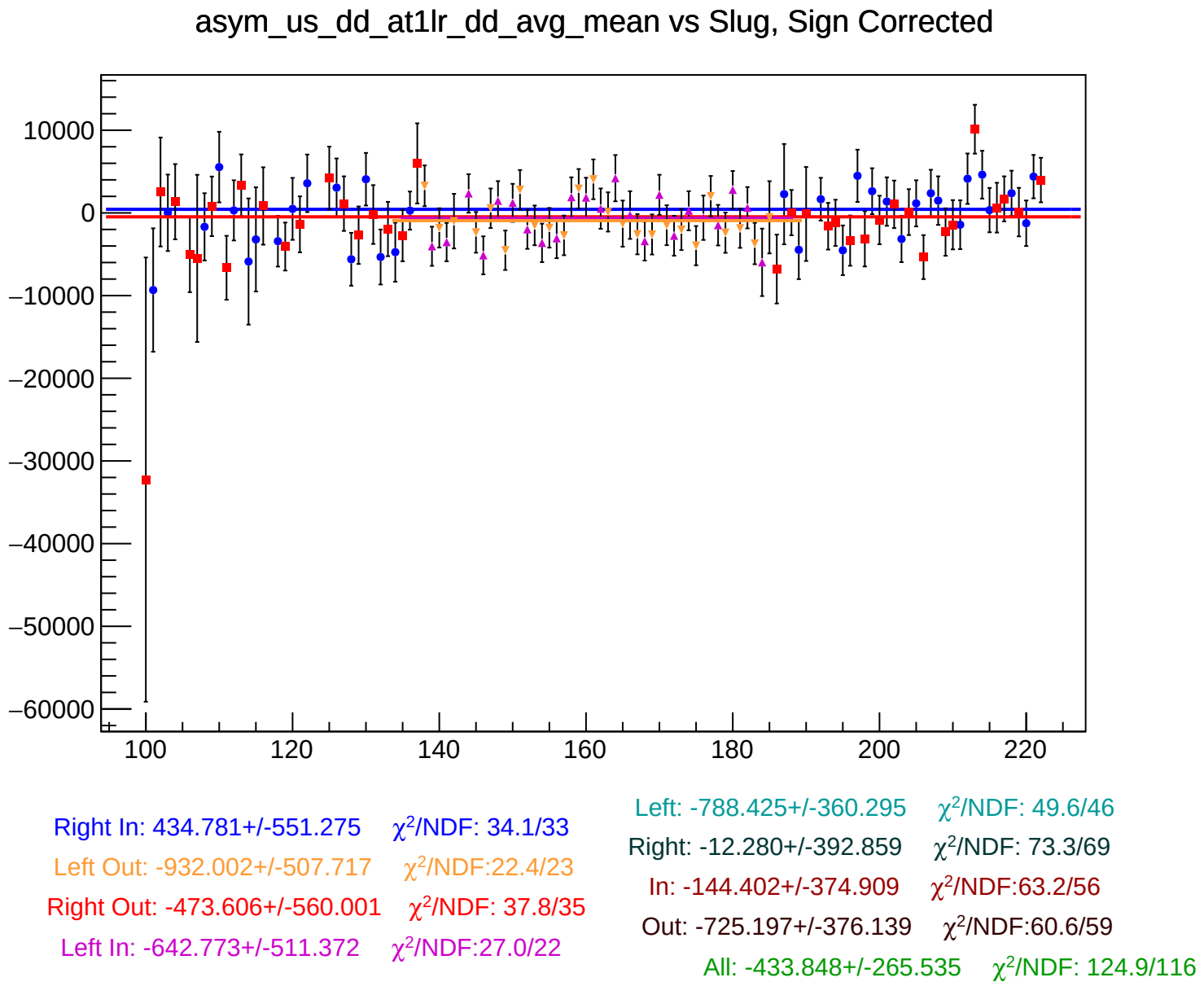
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

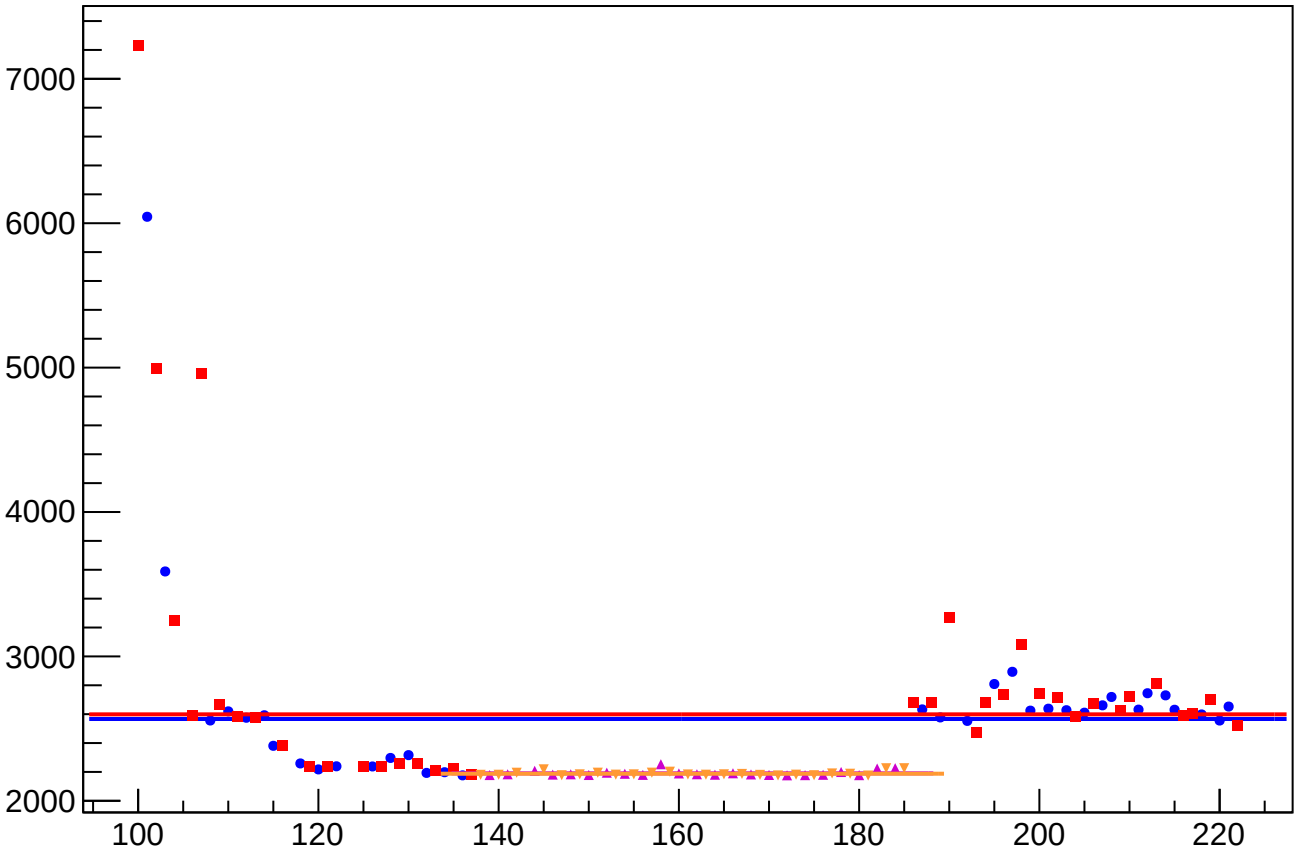
Right: 240.792+/-0.043 χ^2/NDF: 56319358.1/69

In: 155.380+/-0.023 χ^2/NDF:32466505.9/56

Out: 151.871+/-0.022 χ^2/NDF:33662488.5/59

All: 153.604+/-0.016 χ^2/NDF: 66141189.2/11


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
220
Right In: 434.781+/-551.275 χ²/NDF: 34.1/33
Left Out: -932.002+/-507.717 χ²/NDF:22.4/23
Right Out: -473.606+/-560.001 χ²/NDF: 37.8/35
Left In: -642.773+/-511.372 χ²/NDF:27.0/22
Left: -788.425+/-360.295 χ²/NDF: 49.6/46
Right: -12.280+/-392.859 χ²/NDF: 73.3/69
In: -144.402+/-374.909 χ²/NDF:63.2/56
Out: -725.197+/-376.139 χ²/NDF:60.6/59
All: -433.848+/-265.535 χ²/NDF: 124.9/116



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: 2598.768+/-0.396 χ^2/NDF: 793857.5/35

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

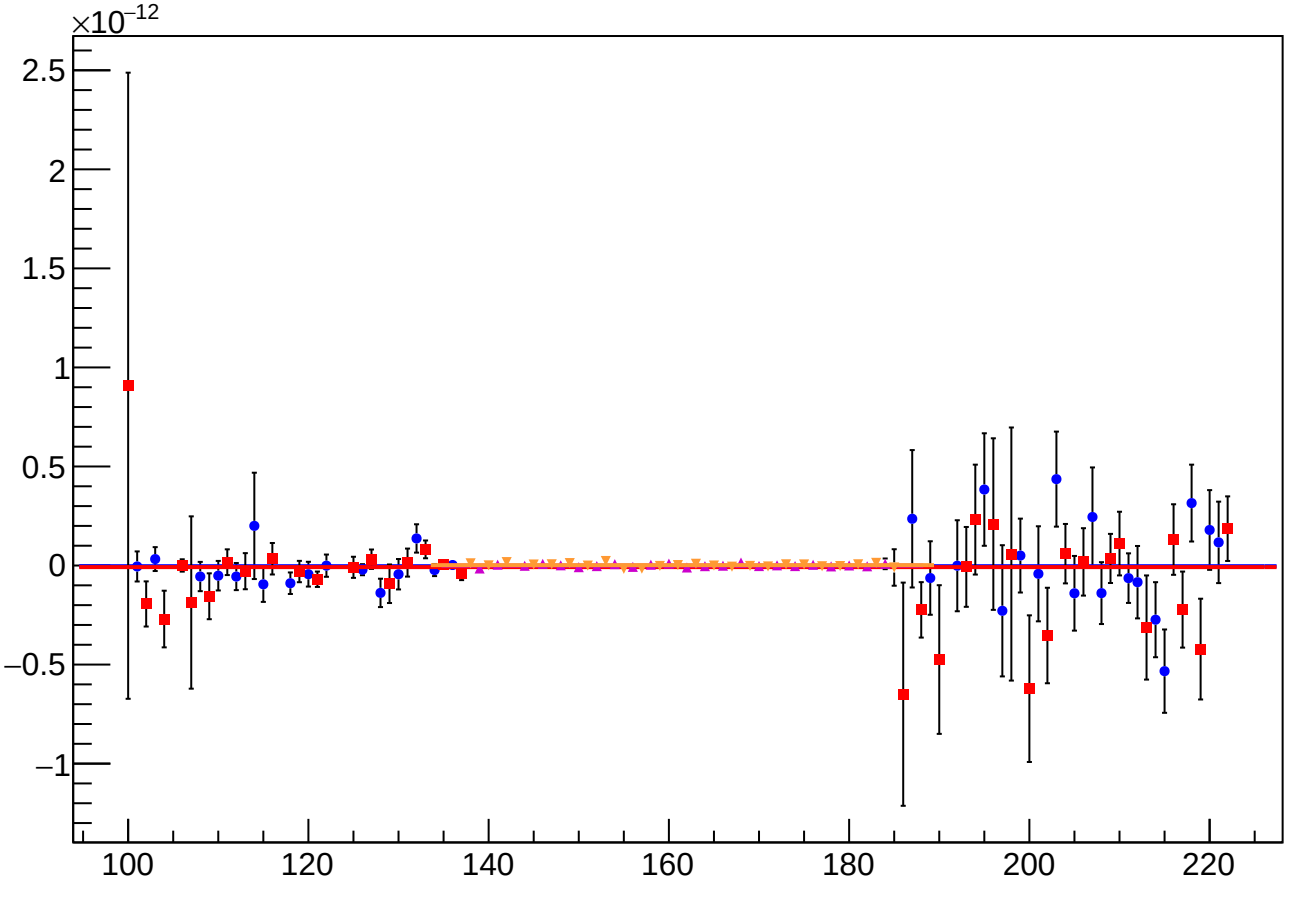
Right: 2582.424+/-0.278 χ^2/NDF: 1597738.0/69

In: 2364.259+/-0.265 χ^2/NDF:1304275.5/56

Out: 2373.109+/-0.266 χ^2/NDF:1386904.3/59

All: 2368.670+/-0.188 χ^2/NDF: 2691735.4/11

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 38.1/35

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

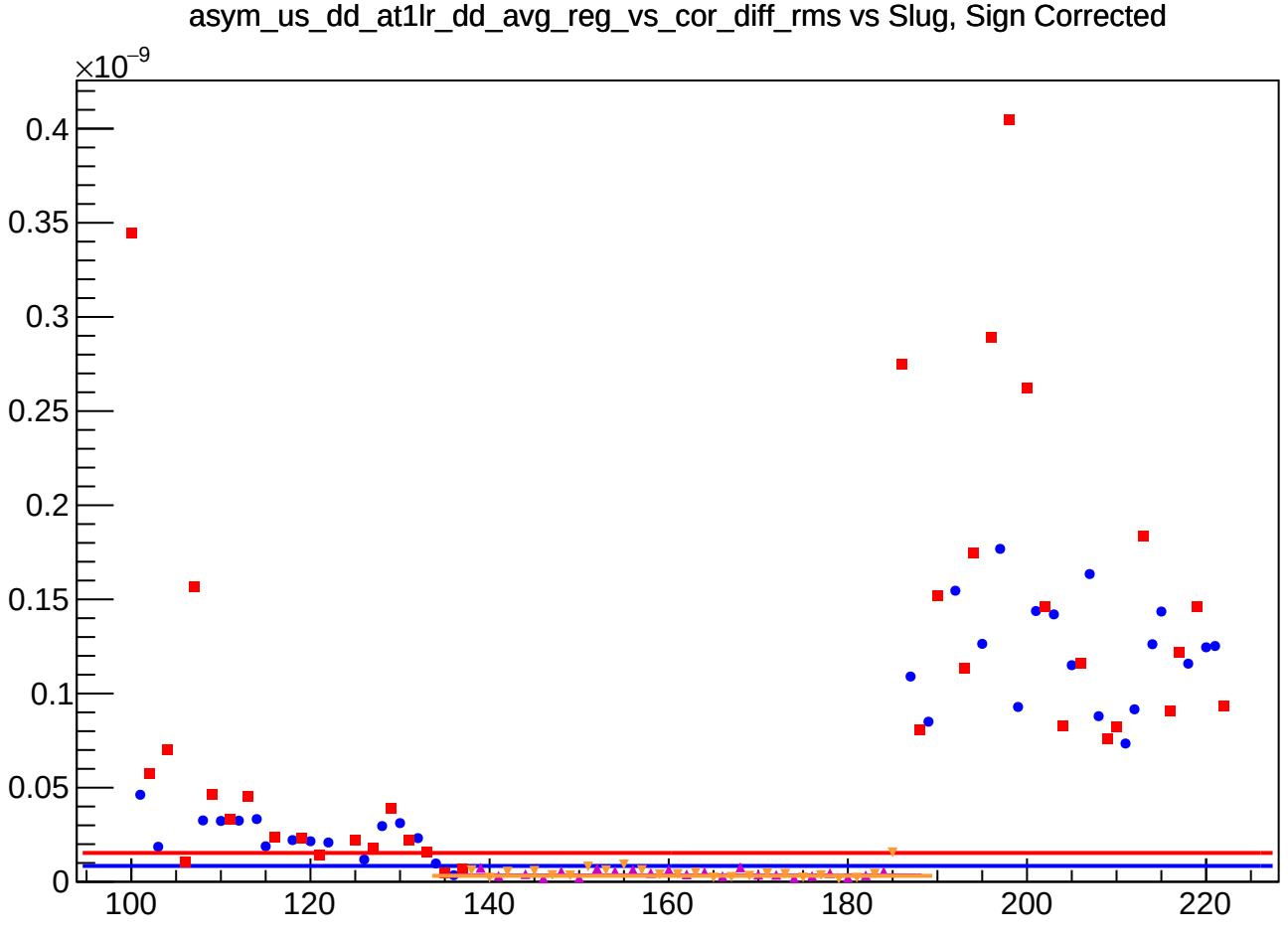
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 75.2/69

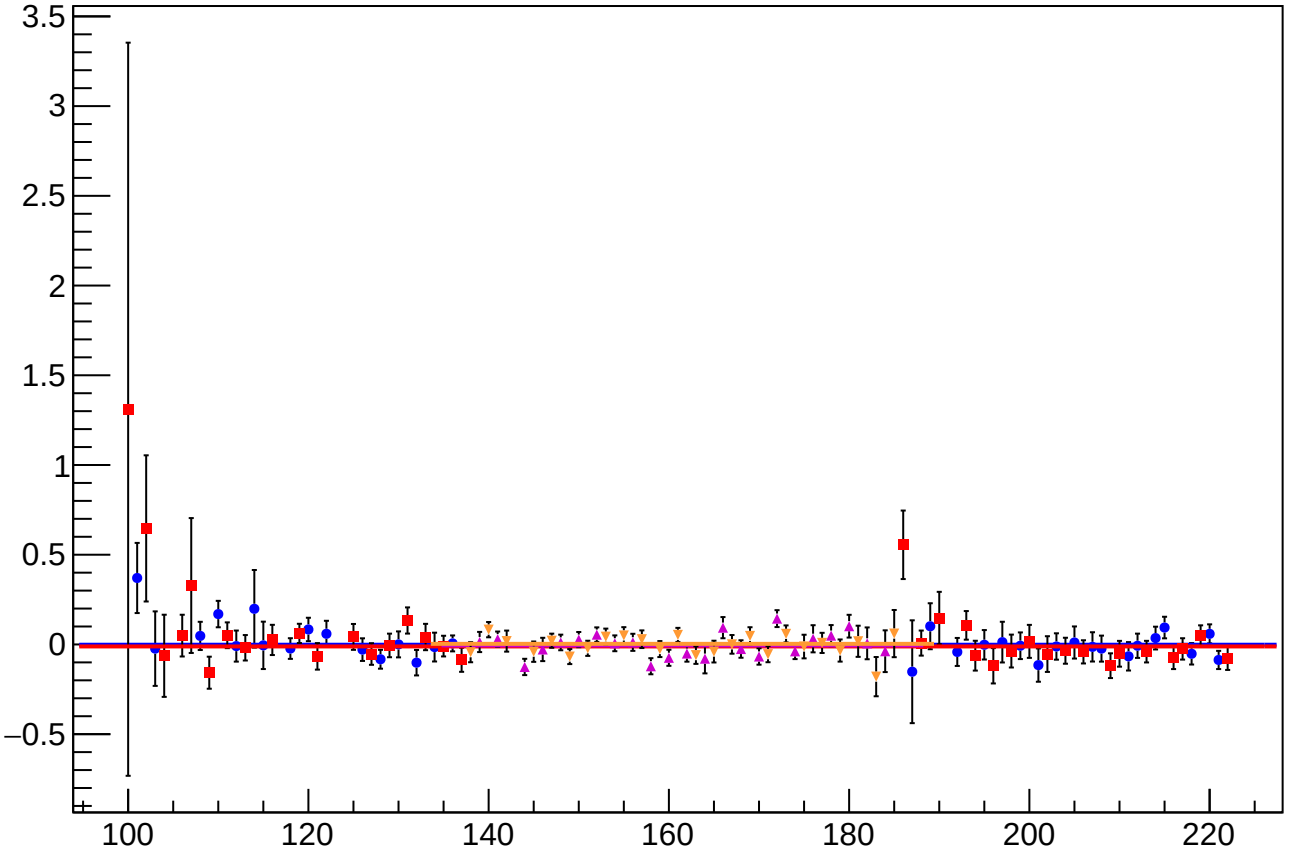
In: -0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:58.6/59

All: 0.000+/-0.000 χ^2/NDF: 110.0/116


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13276778.8/33
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 13023648.5/35
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 27030147.1/69
In: 0.000+/-0.000 χ²/NDF:16200315.1/56
Out: 0.000+/-0.000 χ²/NDF:18238167.4/59
All: 0.000+/-0.000 χ²/NDF: 34464263.0/116

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: -0.011+/-0.013 χ^2/NDF: 37.4/35

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

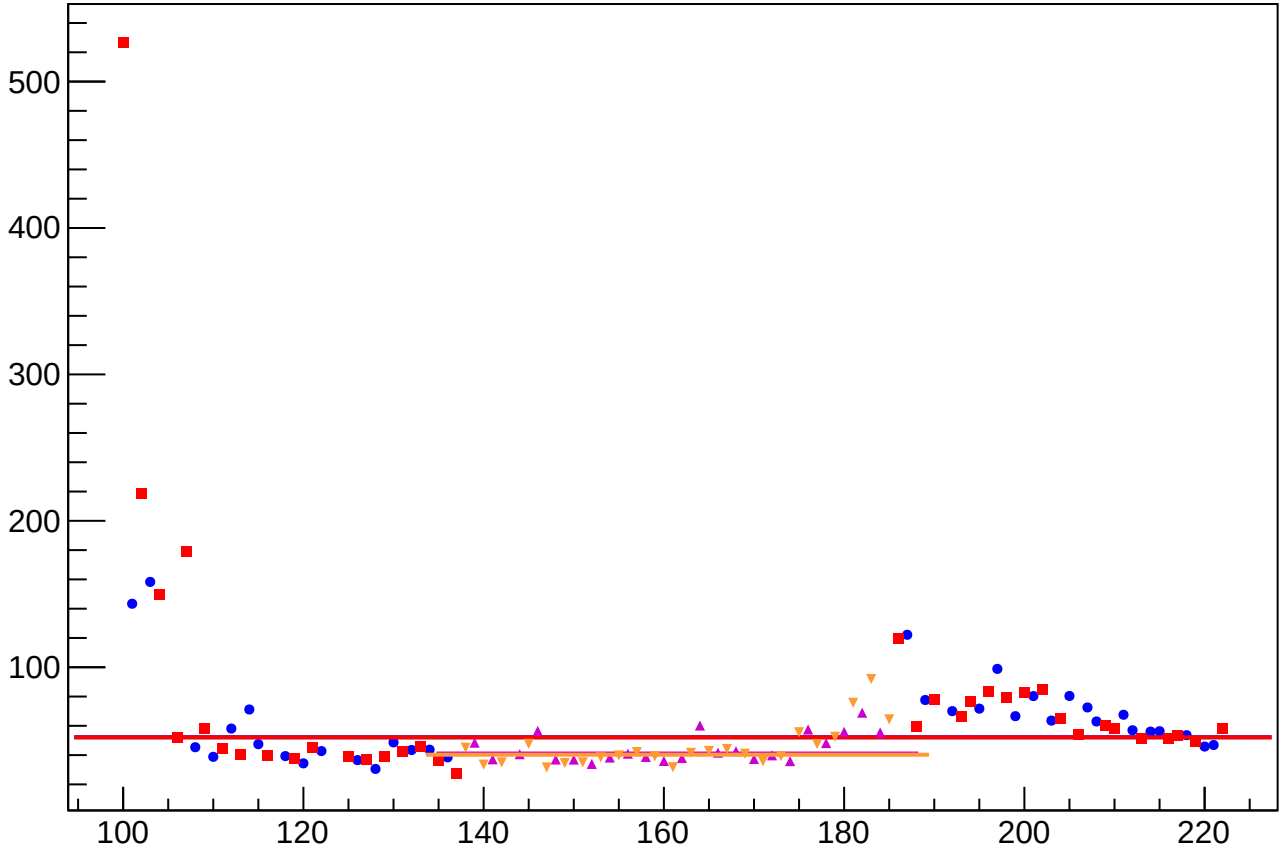
Right: -0.006+/-0.009 χ^2/NDF: 66.4/69

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.002+/-0.008 χ^2/NDF:60.0/59

All: -0.003+/-0.006 χ^2/NDF: 130.2/116

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 52.120+/-0.009 χ^2/NDF: 3596986.8/35

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

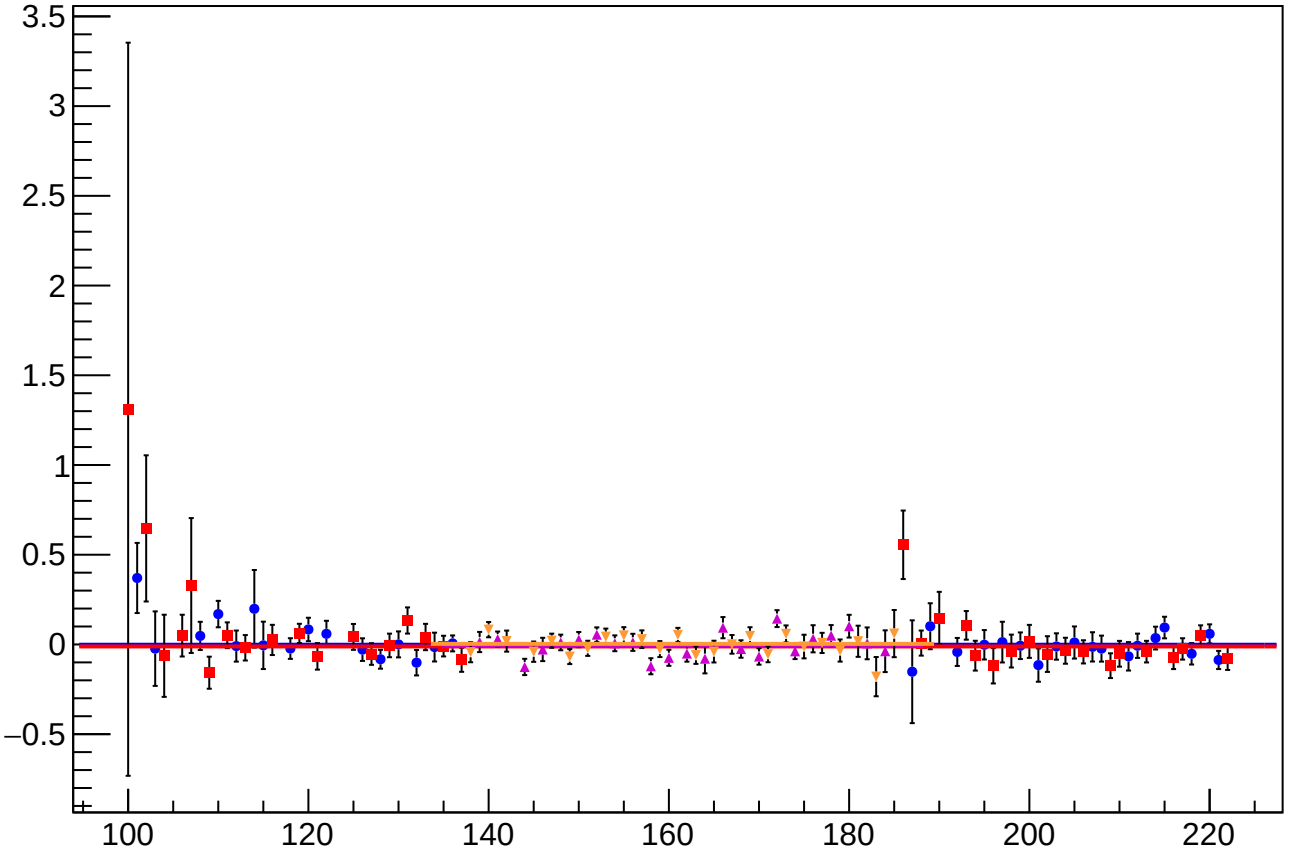
Right: 52.161+/-0.006 χ^2/NDF: 7238114.1/69

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 44.961+/-0.006 χ^2/NDF:6117889.2/59

All: 45.324+/-0.004 χ^2/NDF: 11612192.4/116

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: -0.011+/-0.013 χ^2/NDF: 37.4/35

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

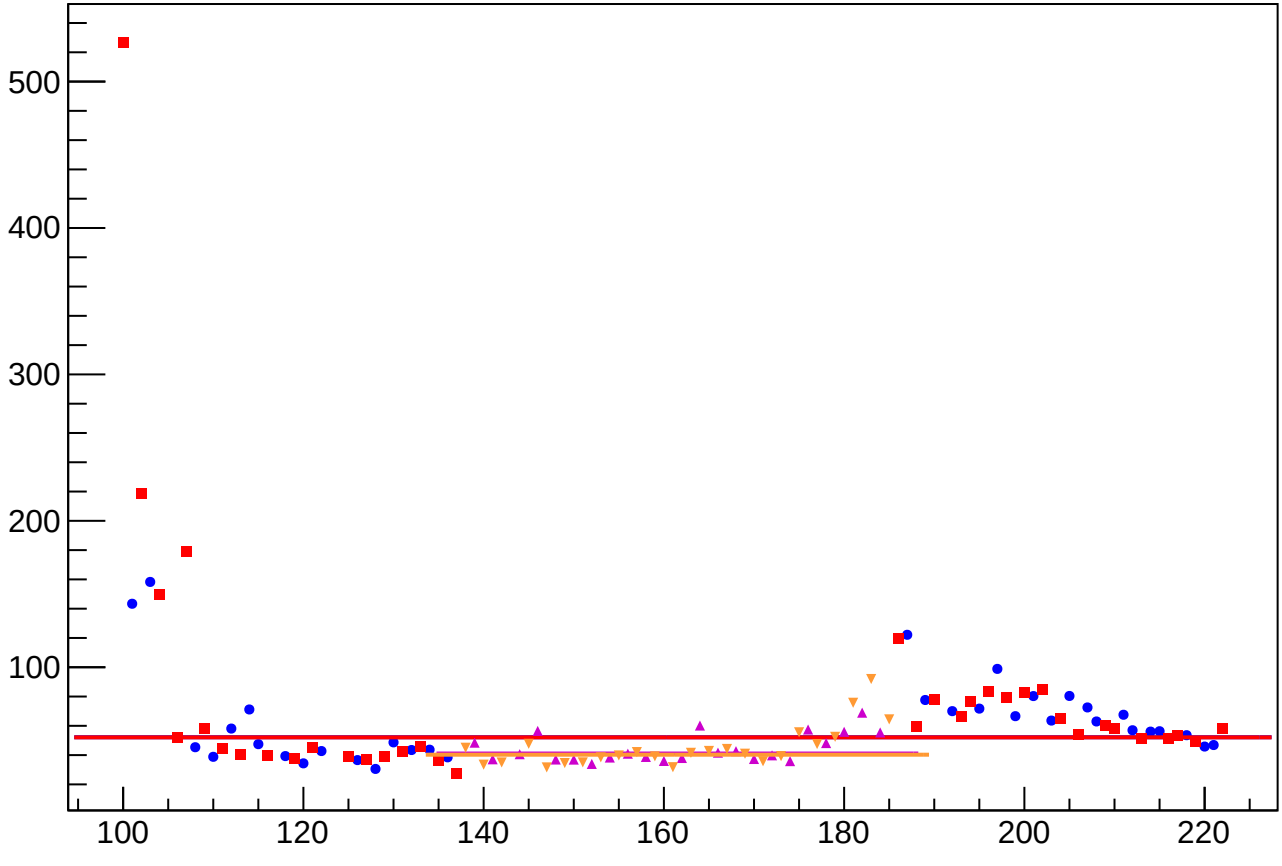
Right: -0.006+/-0.009 χ^2/NDF: 66.4/69

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.002+/-0.008 χ^2/NDF:60.0/59

All: -0.003+/-0.006 χ^2/NDF: 130.2/116

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 52.120+/-0.009 χ^2/NDF: 3596986.8/35

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

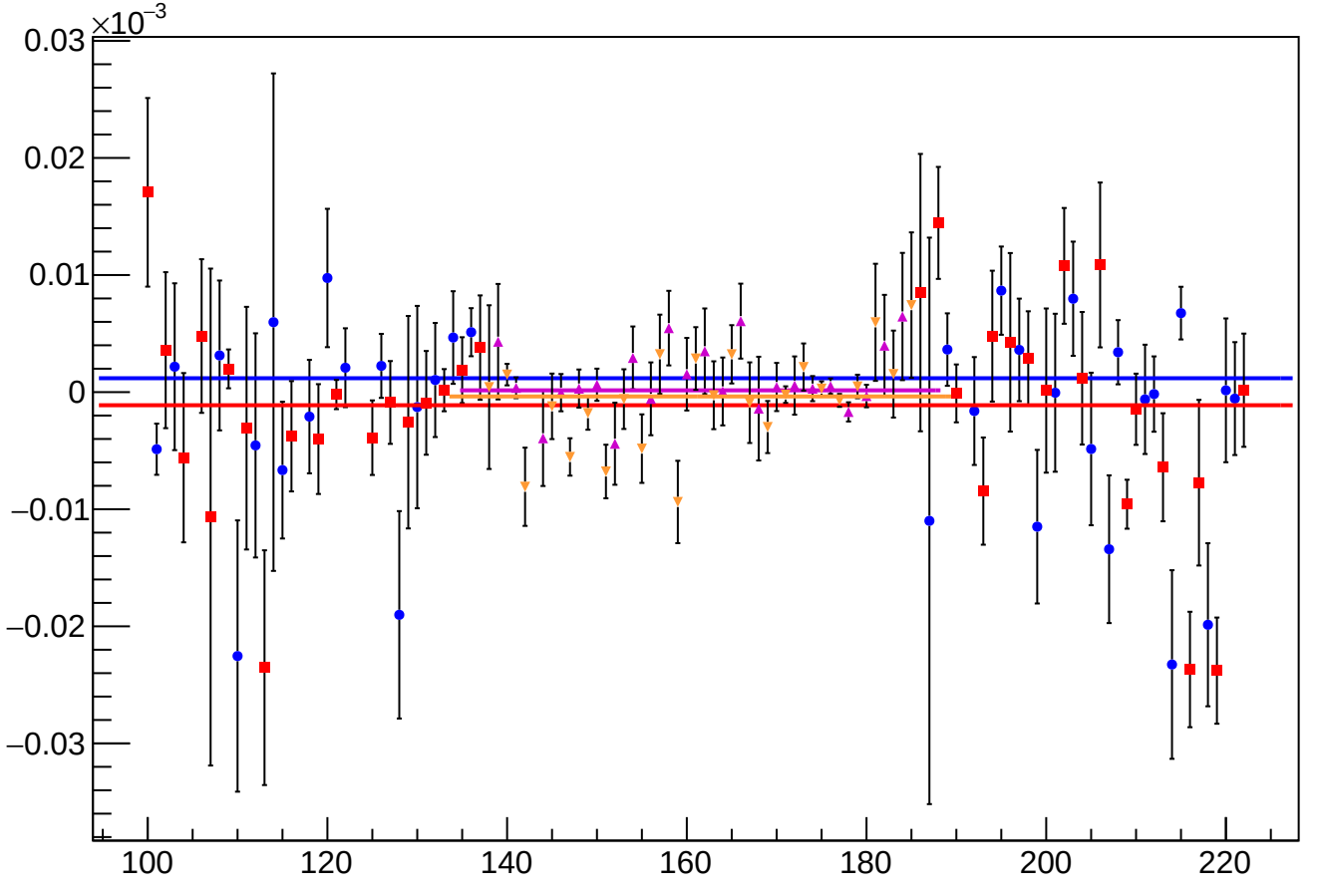
Right: 52.161+/-0.006 χ^2/NDF: 7238114.1/69

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 44.961+/-0.006 χ^2/NDF:6117889.2/59

All: 45.324+/-0.004 χ^2/NDF: 11612192.4/116

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: 110.5/35

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

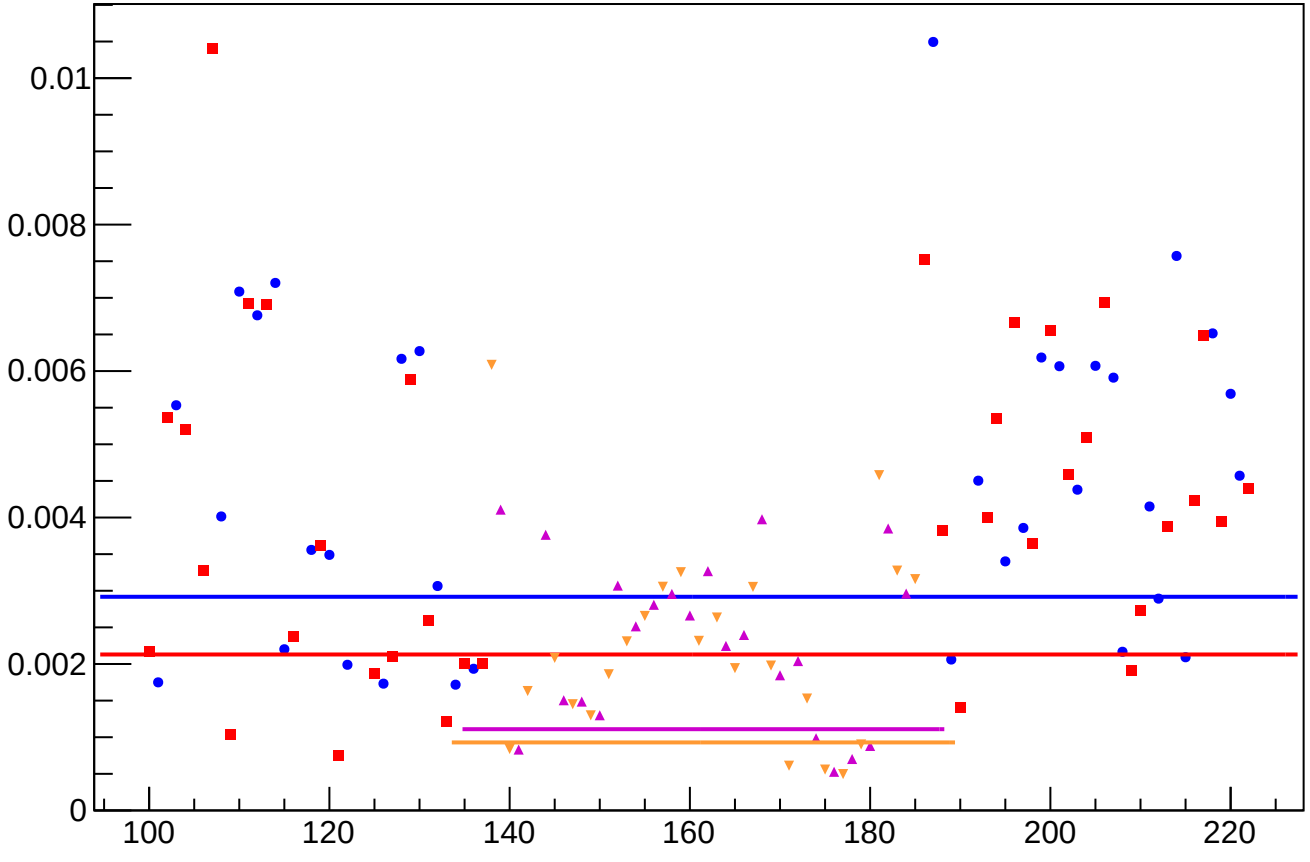
Right: -0.000+/-0.000 χ^2/NDF: 186.5/69

In: 0.000+/-0.000 χ^2/NDF:91.4/56

Out: -0.000+/-0.000 χ^2/NDF:163.0/59

All: -0.000+/-0.000 χ^2/NDF: 259.1/116

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: 14358037.9/35

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

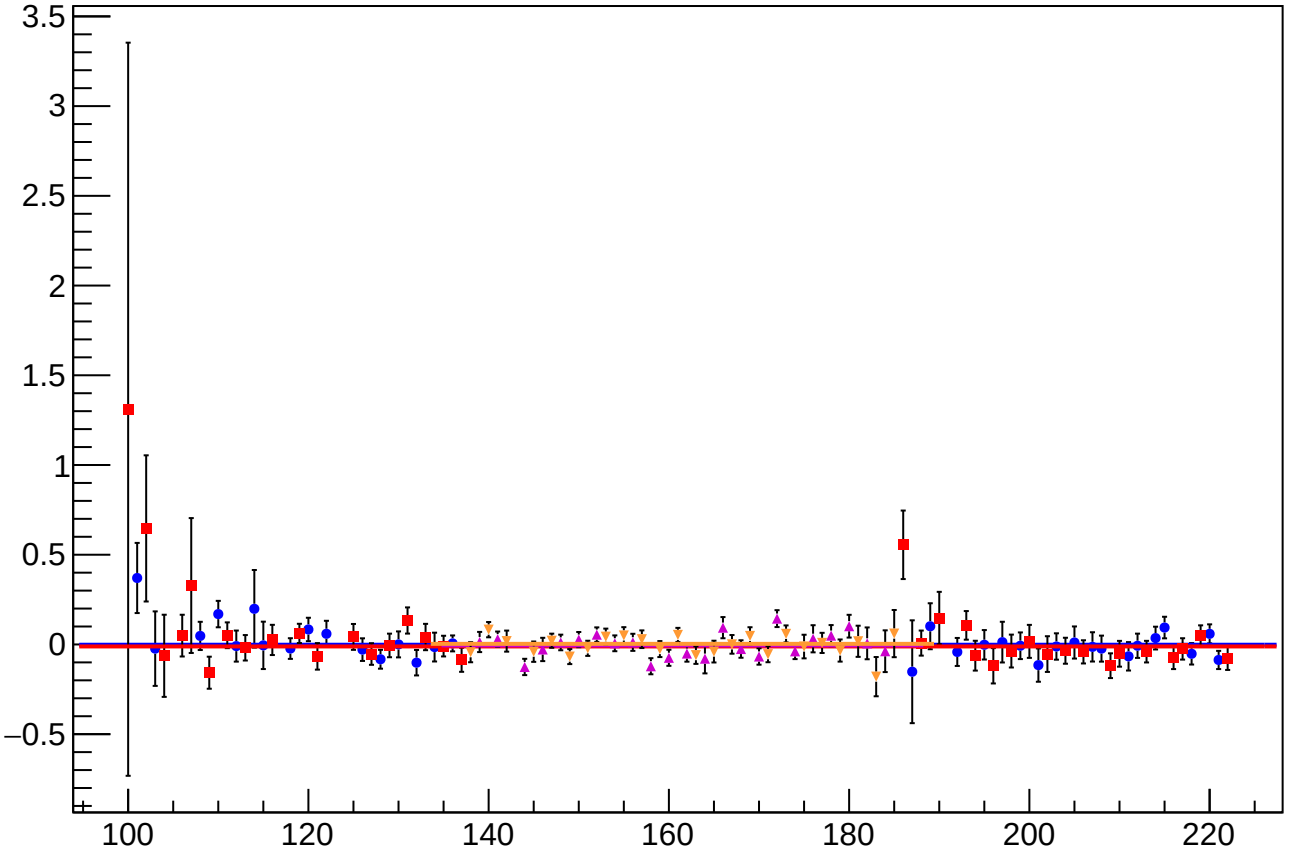
Right: 0.002+/-0.000 χ^2/NDF: 24354253.3/69

In: 0.001+/-0.000 χ^2/NDF:30127529.1/56

Out: 0.001+/-0.000 χ^2/NDF:33845813.4/59

All: 0.001+/-0.000 χ^2/NDF: 64874273.7/116

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: -0.011+/-0.013 χ^2/NDF: 37.4/35

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

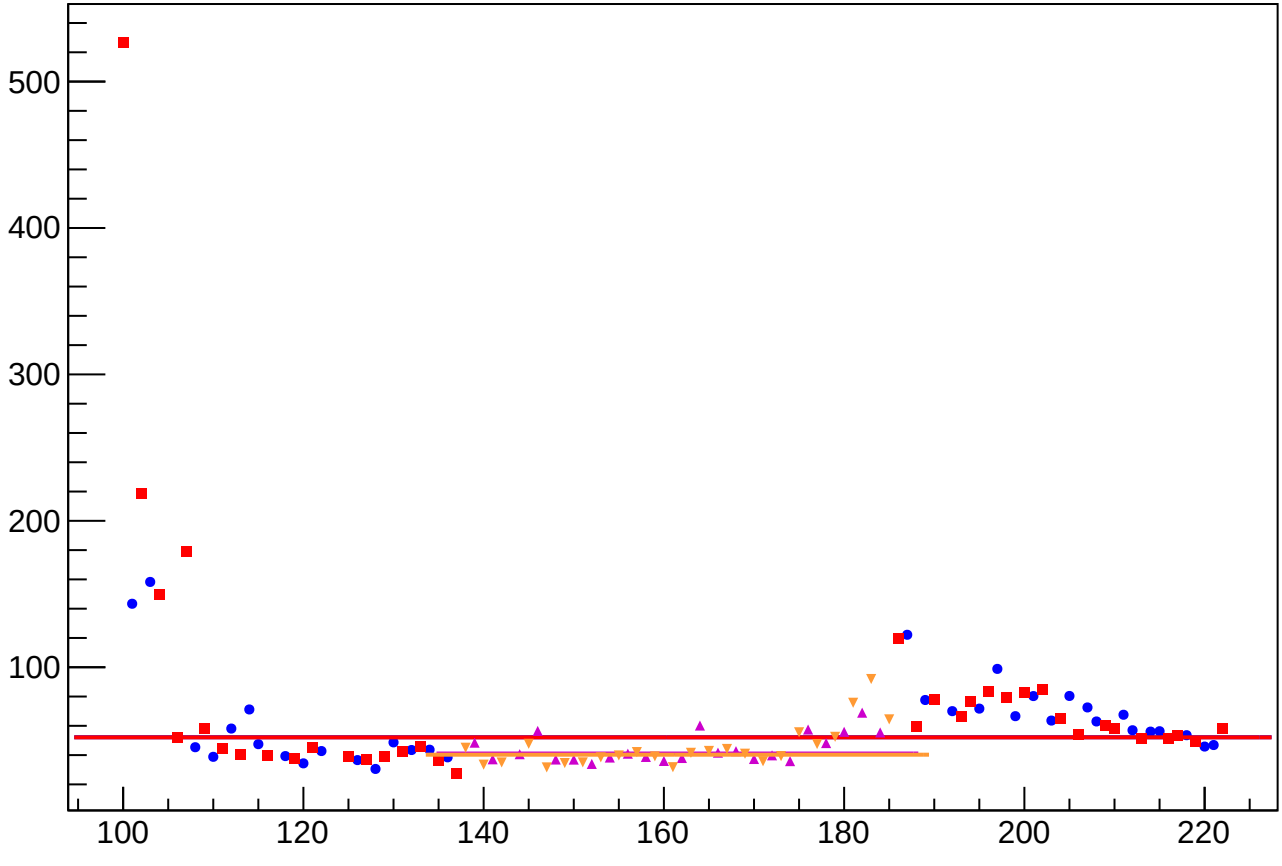
Right: -0.006+/-0.009 χ^2/NDF: 66.4/69

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.002+/-0.008 χ^2/NDF:60.0/59

All: -0.003+/-0.006 χ^2/NDF: 130.2/116

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 52.120+/-0.009 χ^2/NDF: 3596952.4/35

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

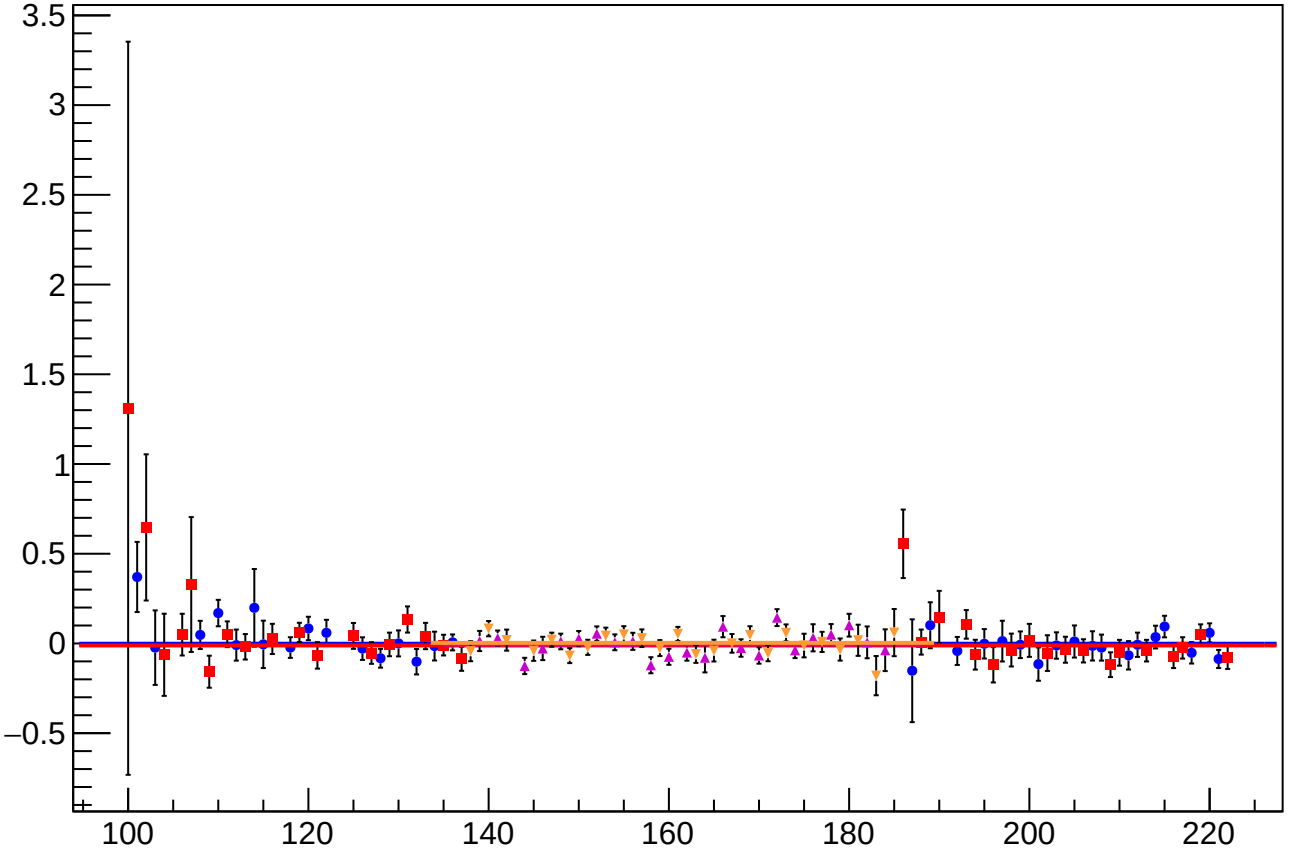
Right: 52.161+/-0.006 χ^2/NDF: 7238696.5/69

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 44.962+/-0.006 χ^2/NDF:6117902.5/59

All: 45.324+/-0.004 χ^2/NDF: 11612616.9/116

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: -0.011+/-0.013 χ^2/NDF: 37.4/35

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

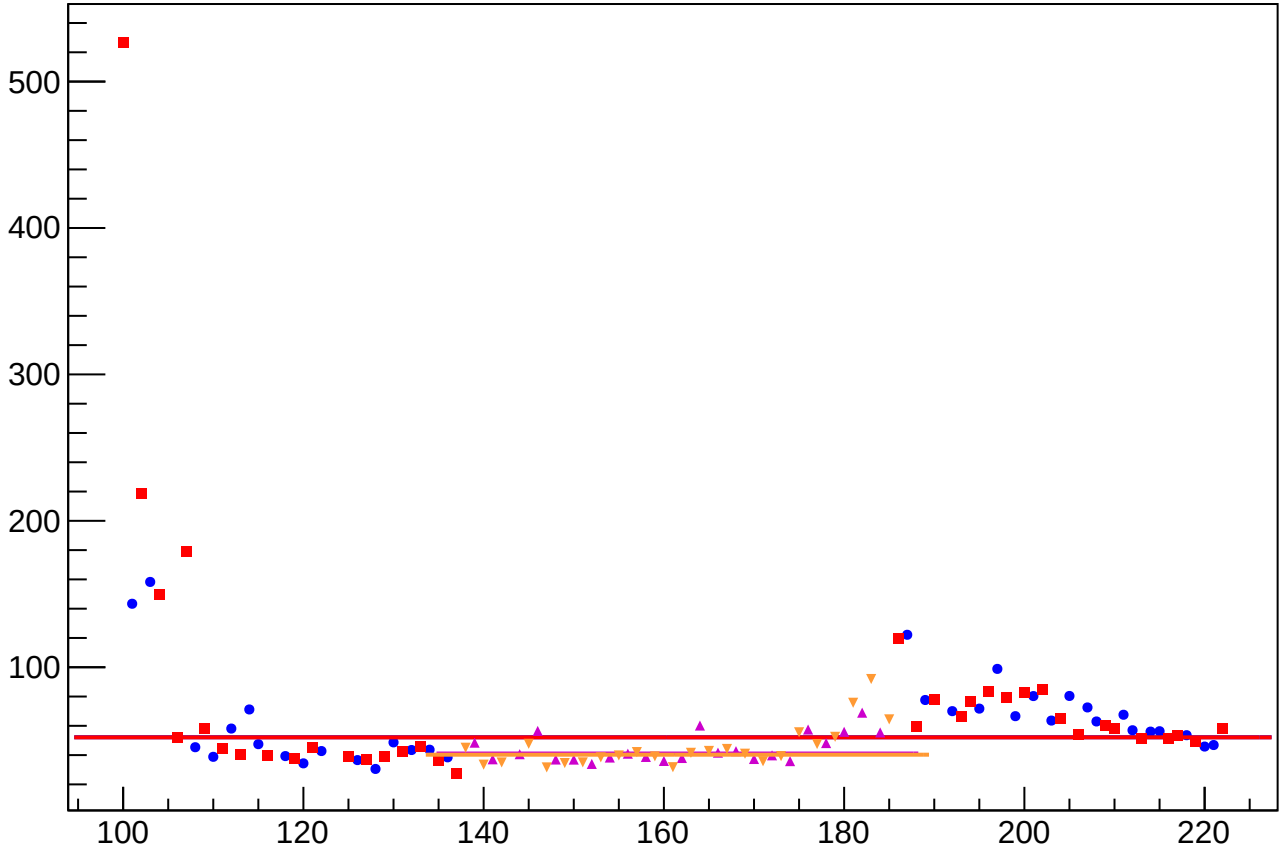
Right: -0.006+/-0.009 χ^2/NDF: 66.4/69

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.002+/-0.008 χ^2/NDF:60.0/59

All: -0.003+/-0.006 χ^2/NDF: 130.2/116

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 52.120+/-0.009 χ^2/NDF: 3596952.4/35

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

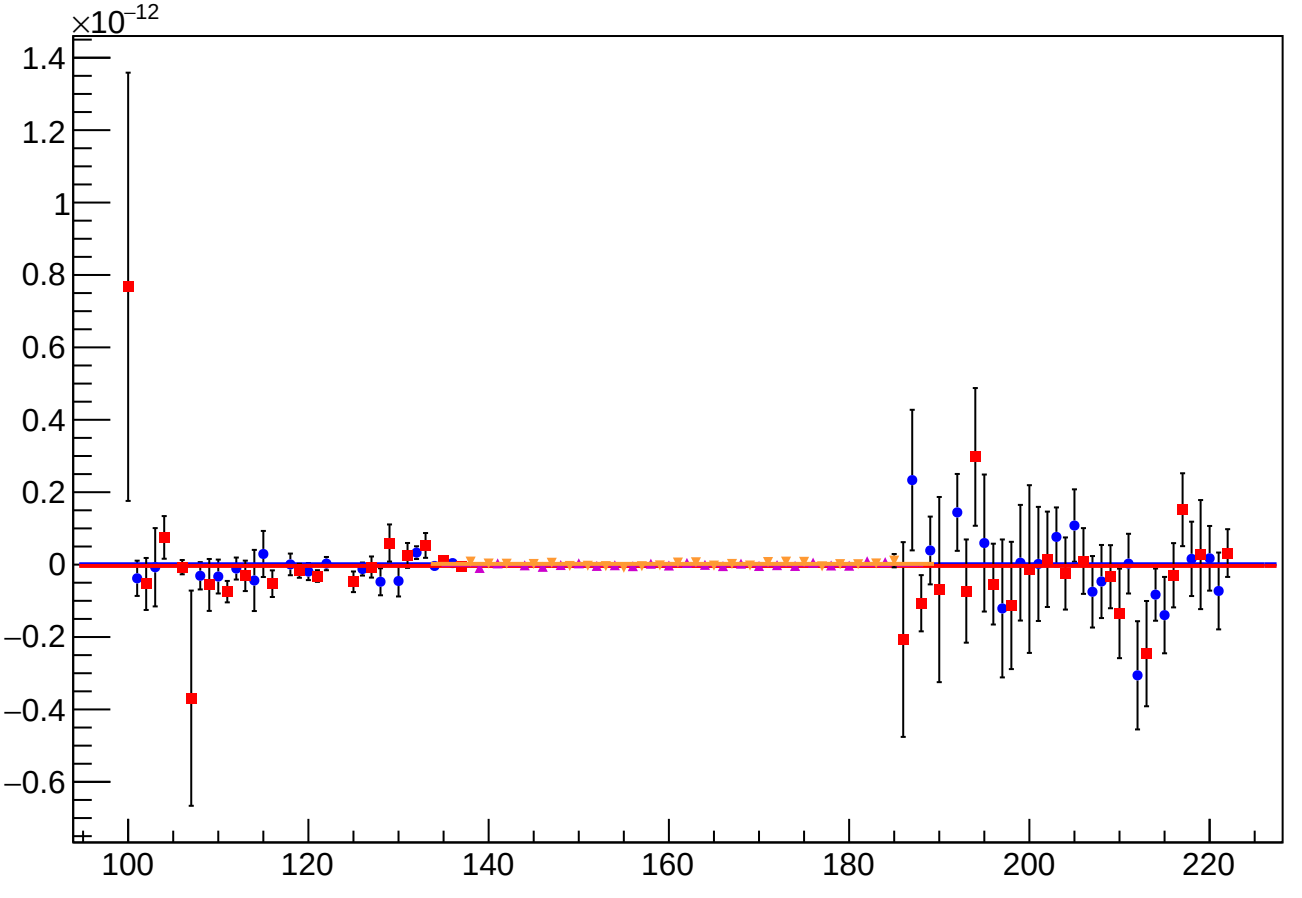
Right: 52.161+/-0.006 χ^2/NDF: 7238696.5/69

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 44.962+/-0.006 χ^2/NDF:6117902.5/59

All: 45.324+/-0.004 χ^2/NDF: 11612616.9/116

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: 41.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

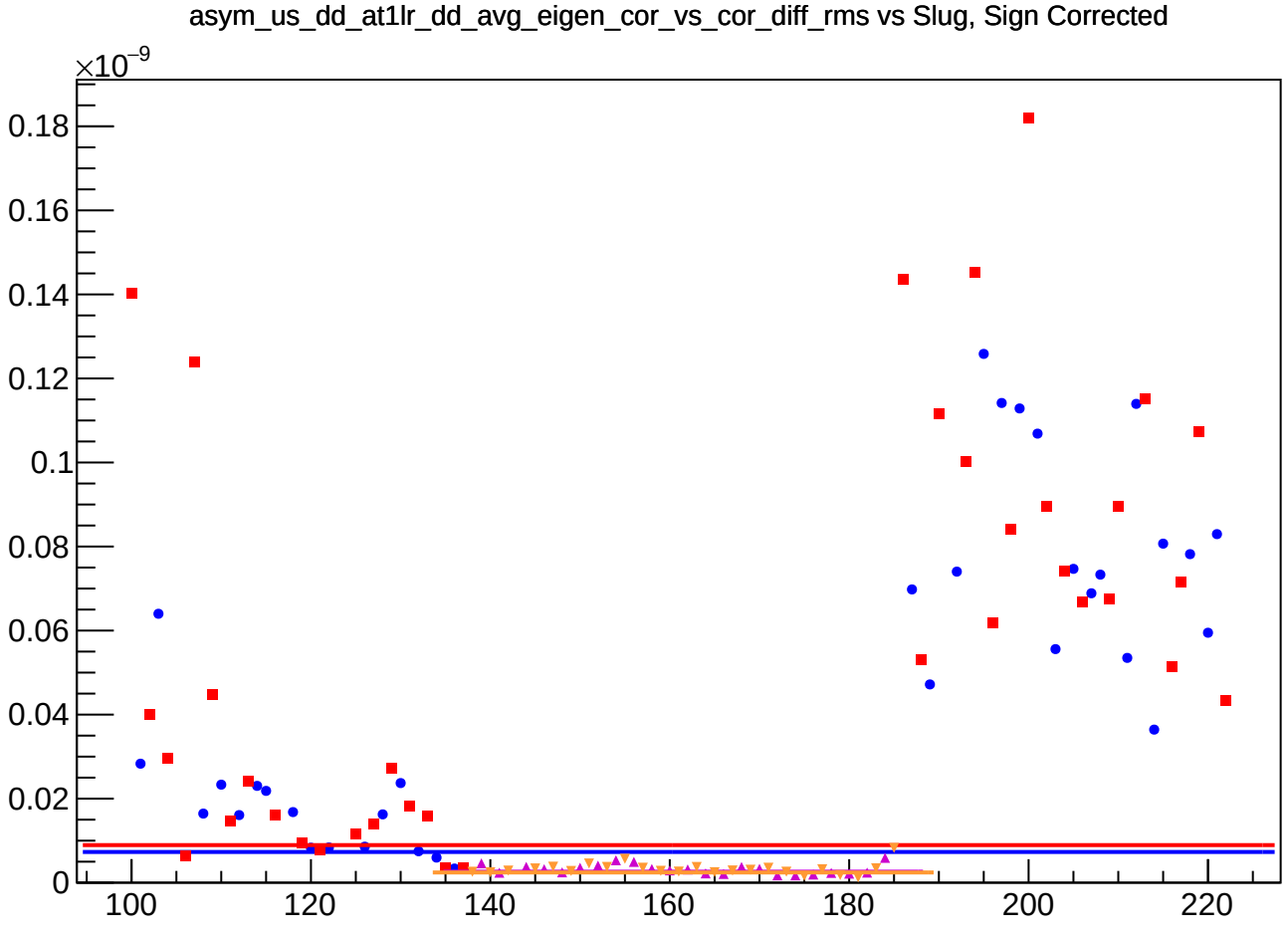
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

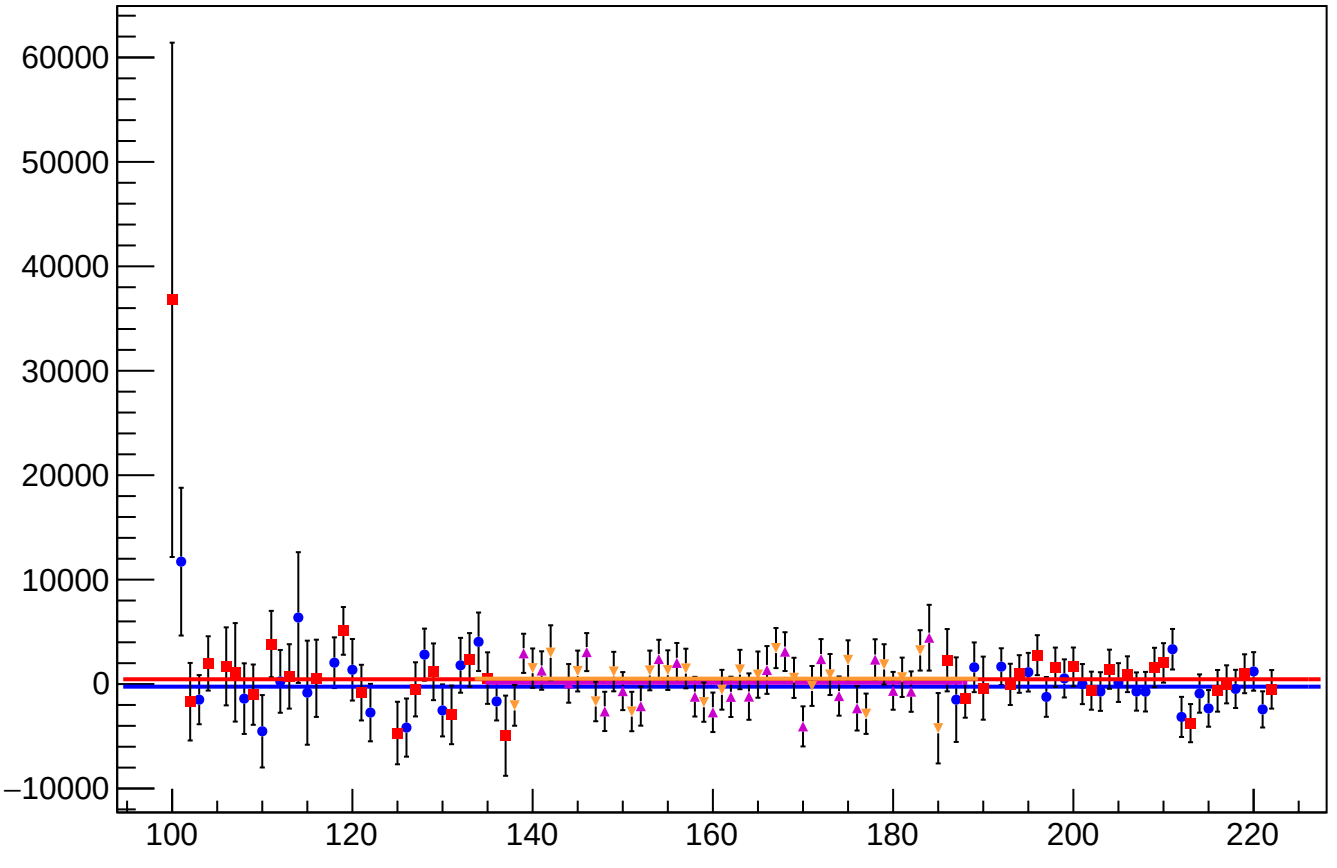
Right: -0.000+/-0.000 χ^2/NDF: 67.2/69

In: -0.000+/-0.000 χ^2/NDF:48.4/56

Out: 0.000+/-0.000 χ^2/NDF:68.1/59

All: 0.000+/-0.000 χ^2/NDF: 119.7/116


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: 17272190.8/35
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: 34283249.7/69
In: 0.000+/-0.000 χ²/NDF:21613085.4/56
Out: 0.000+/-0.000 χ²/NDF:23847288.9/59
All: 0.000+/-0.000 χ²/NDF: 45530829.6/116



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: 459.901+/-383.048 χ^2/NDF: 27.4/35

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

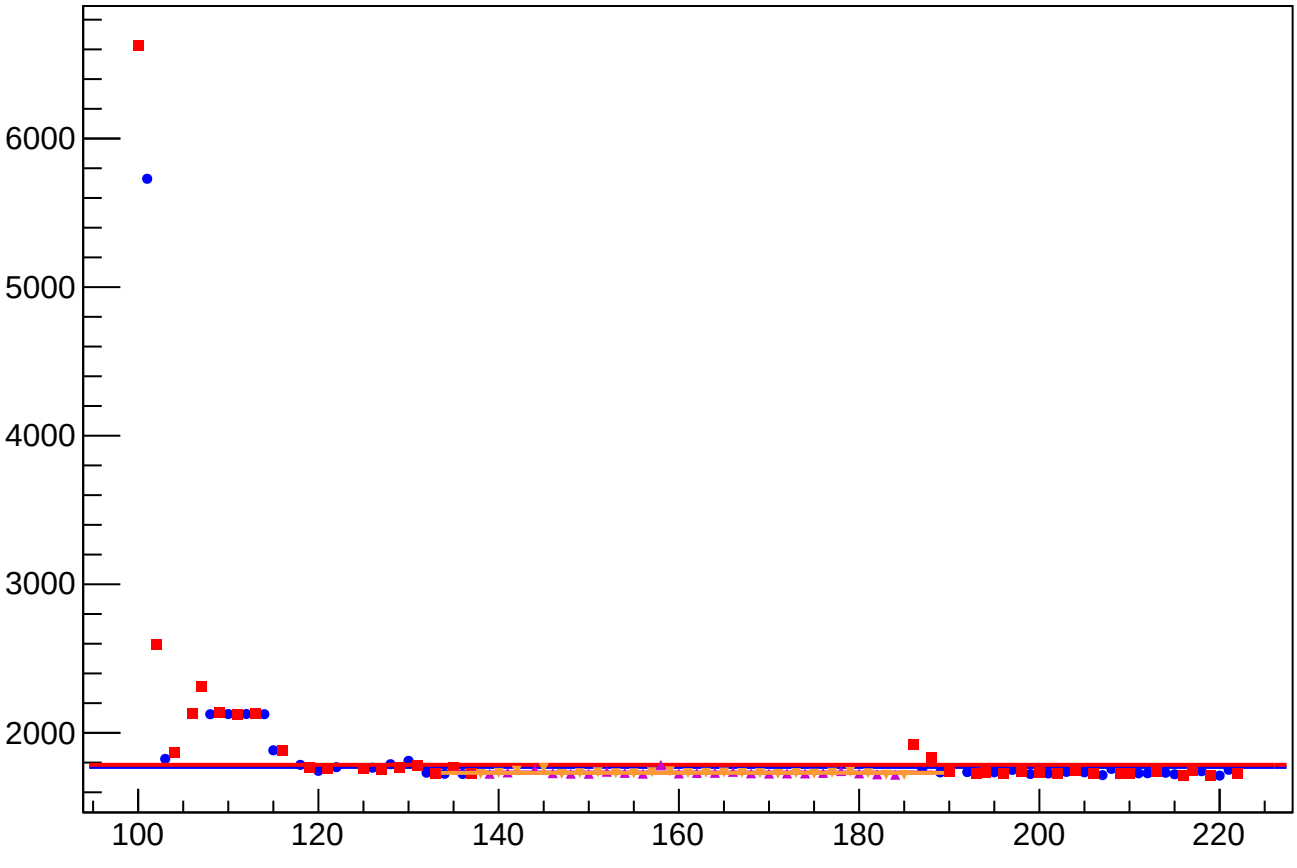
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 102.300+/-269.706 χ^2/NDF: 57.6/69

In: -73.492+/-276.928 χ^2/NDF:58.3/56

Out: 488.489+/-277.217 χ^2/NDF:48.2/59

All: 207.205+/-195.920 χ^2/NDF: 108.6/116



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: 1784.890+/-0.271 χ^2/NDF: 329849.4/35

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

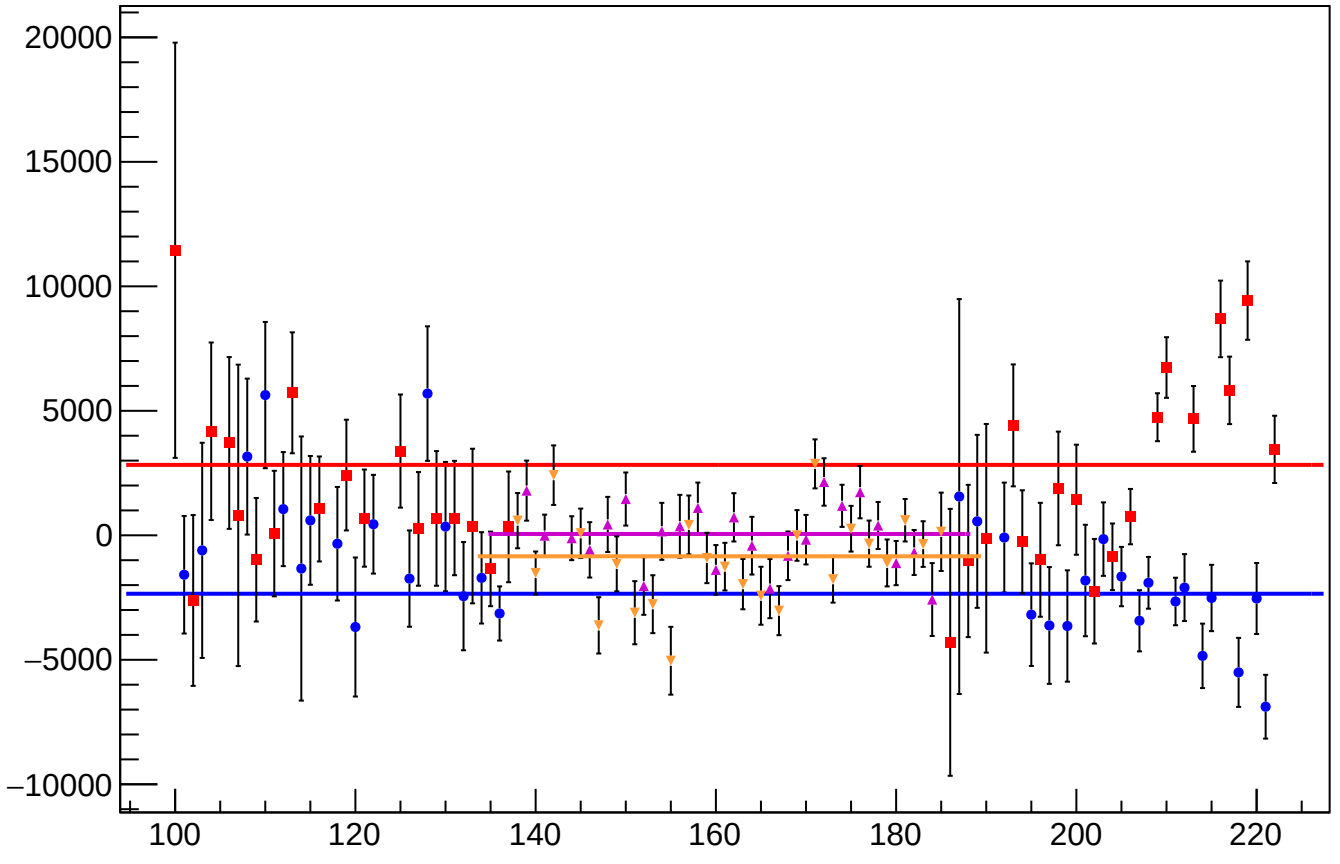
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1777.779+/-0.191 χ^2/NDF: 1055408.6/69

In: 1753.092+/-0.196 χ^2/NDF:735699.6/56

Out: 1759.152+/-0.196 χ^2/NDF:349778.4/59

All: 1756.119+/-0.139 χ^2/NDF: 1085956.4/11



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: 2828.431+/-317.000 χ^2/NDF: 103.4/35

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

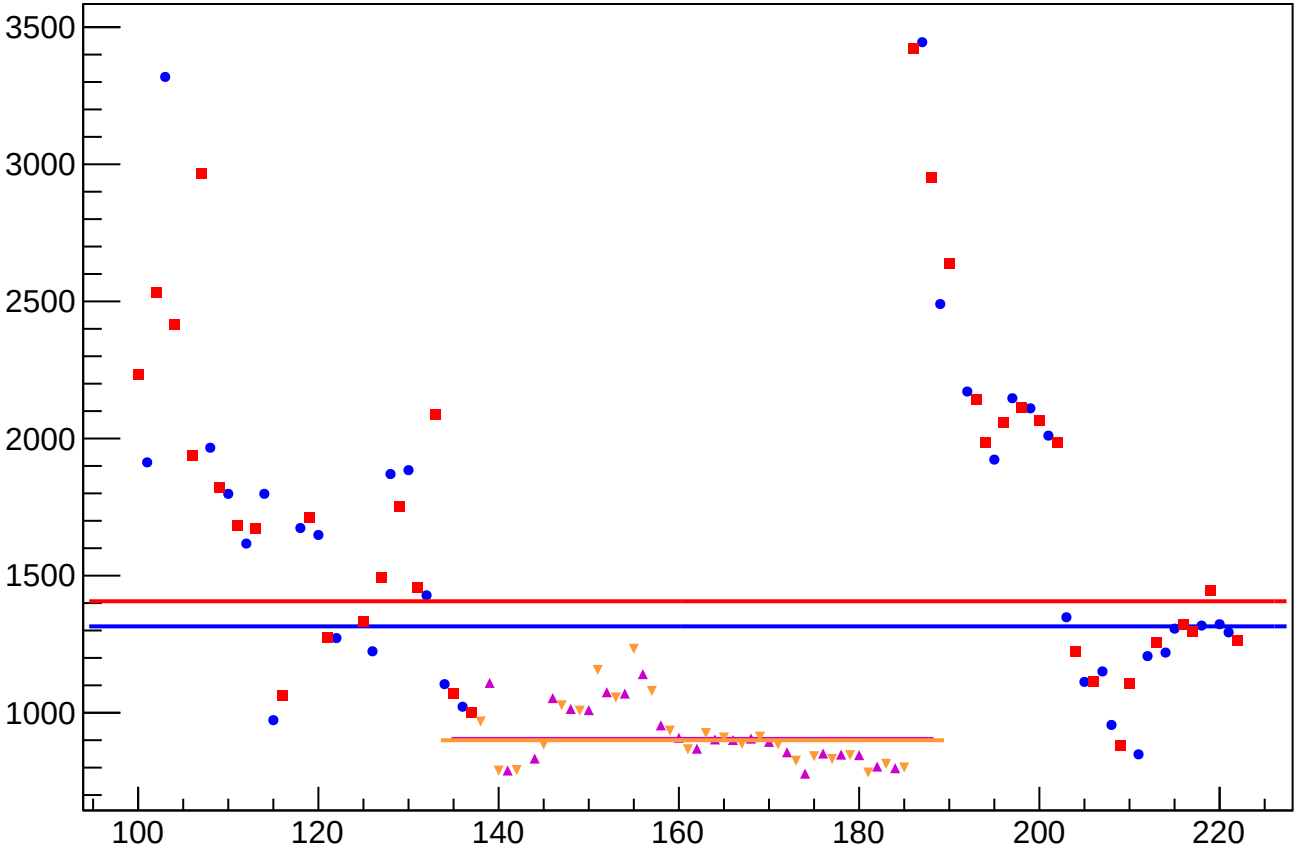
Right: 41.370+/-215.342 χ^2/NDF: 302.9/69

In: -774.352+/-172.358 χ^2/NDF:130.4/56

Out: 283.500+/-175.563 χ^2/NDF:259.1/59

All: -255.168+/-122.993 χ^2/NDF: 408.0/116

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1315.050+/-0.207 χ^2/NDF: 3608585.9/33

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1406.567+/-0.224 χ^2/NDF: 4001081.4/35

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

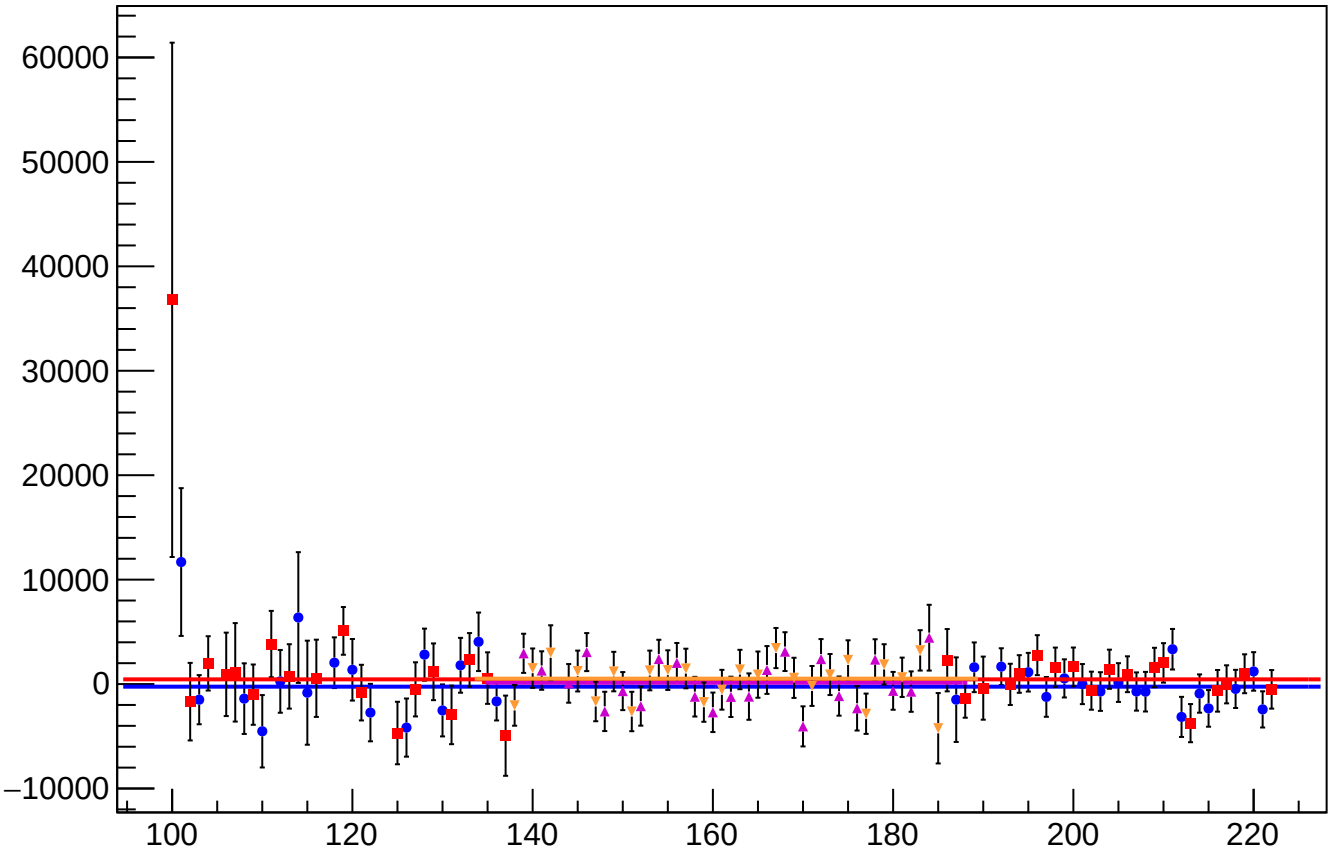
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1357.282+/-0.152 χ^2/NDF: 7699437.5/69

In: 1046.241+/-0.122 χ^2/NDF:6623123.4/56

Out: 1055.245+/-0.124 χ^2/NDF:8039777.7/59

All: 1050.660+/-0.087 χ^2/NDF: 14665579.6/



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: 451.337+/-383.301 χ^2/NDF: 27.3/35

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

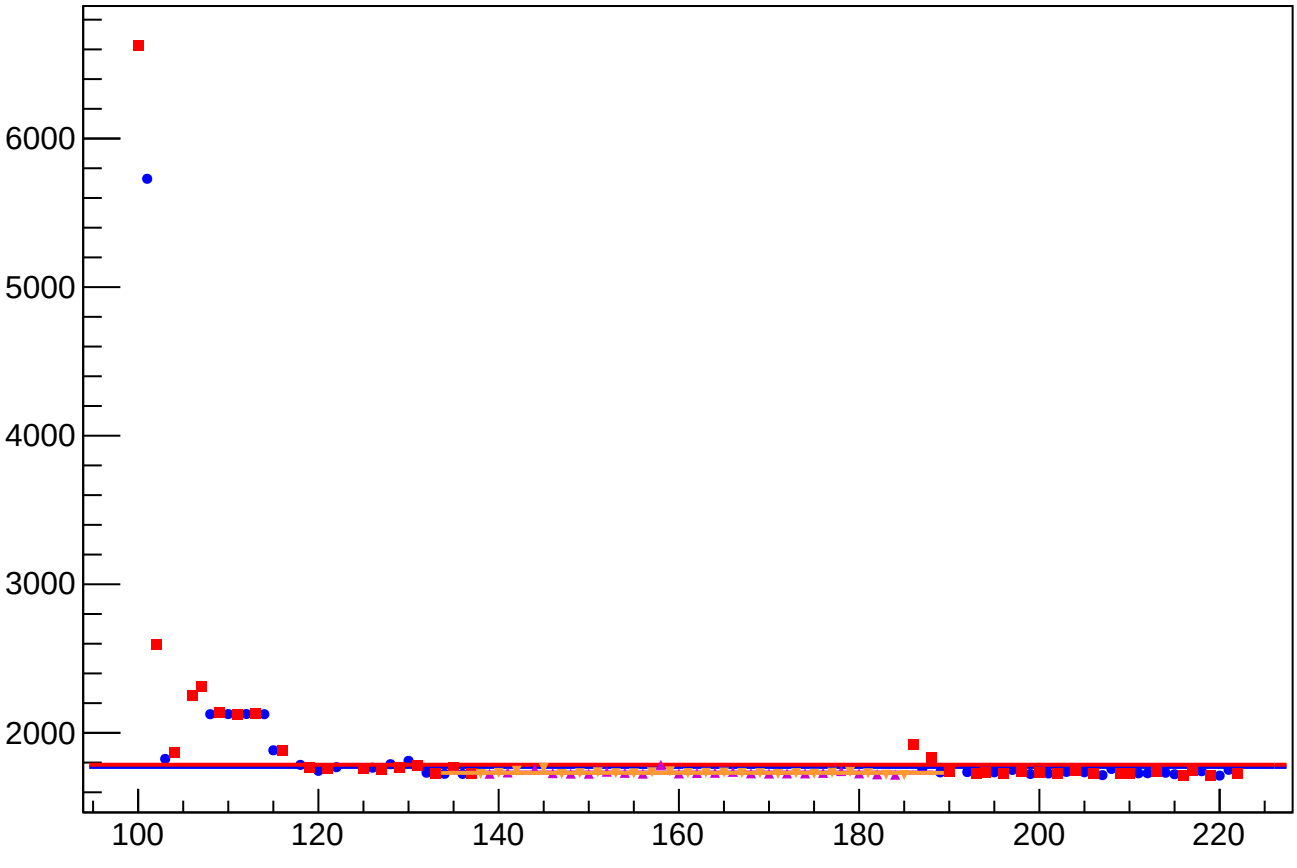
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 97.677+/-269.794 χ^2/NDF: 57.4/69

In: -73.617+/-276.928 χ^2/NDF:58.3/56

Out: 484.039+/-277.313 χ^2/NDF:48.1/59

All: 204.824+/-195.954 χ^2/NDF: 108.4/116



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: 1785.506+/-0.271 χ^2/NDF: 339550.8/35

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

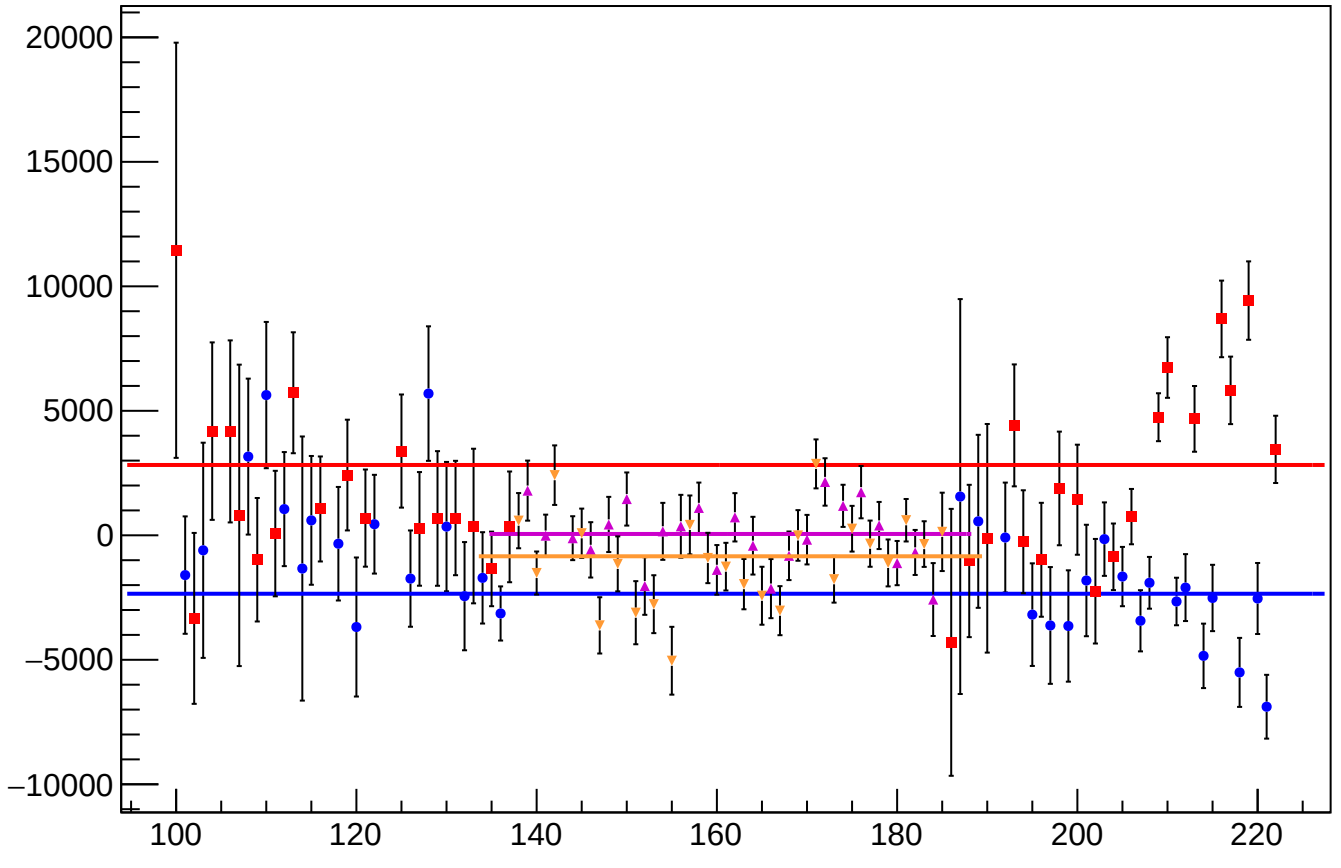
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1778.080+/-0.191 χ^2/NDF: 1065230.9/69

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1759.457+/-0.196 χ^2/NDF:359902.4/59

All: 1756.270+/-0.139 χ^2/NDF: 1096129.4/11



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: 2824.977+/-317.146 χ^2/NDF: 104.2/35

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

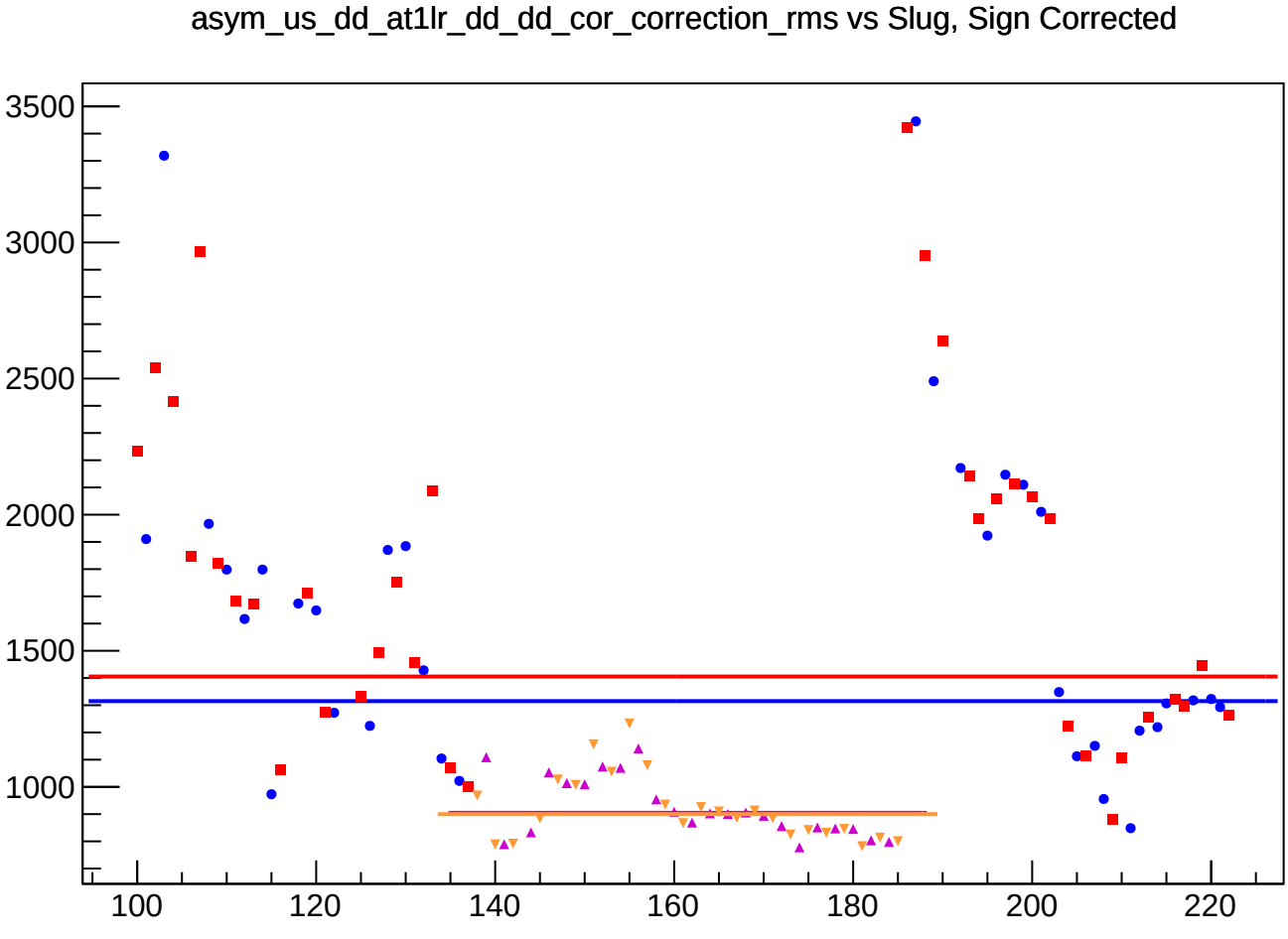
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 38.437+/-215.385 χ^2/NDF: 303.4/69

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 281.702+/-175.588 χ^2/NDF:259.7/59

All: -256.167+/-123.001 χ^2/NDF: 408.5/116



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: 1405.401+/-0.224 χ^2/NDF: 3984357.1/35

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

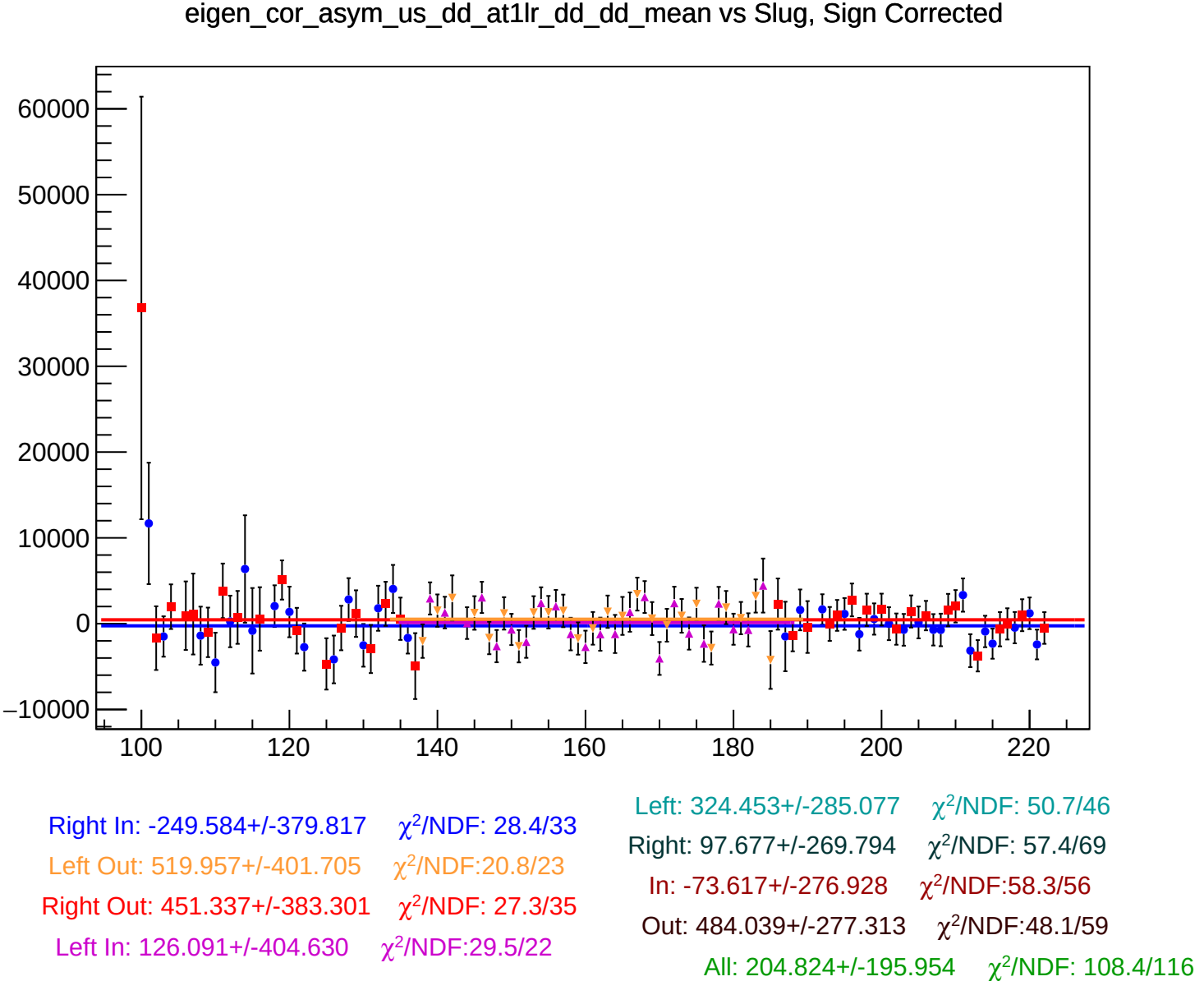
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1356.712+/-0.152 χ^2/NDF: 7679757.6/69

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1054.791+/-0.124 χ^2/NDF:8004418.7/59

All: 1050.434+/-0.087 χ^2/NDF: 14629174.0/


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
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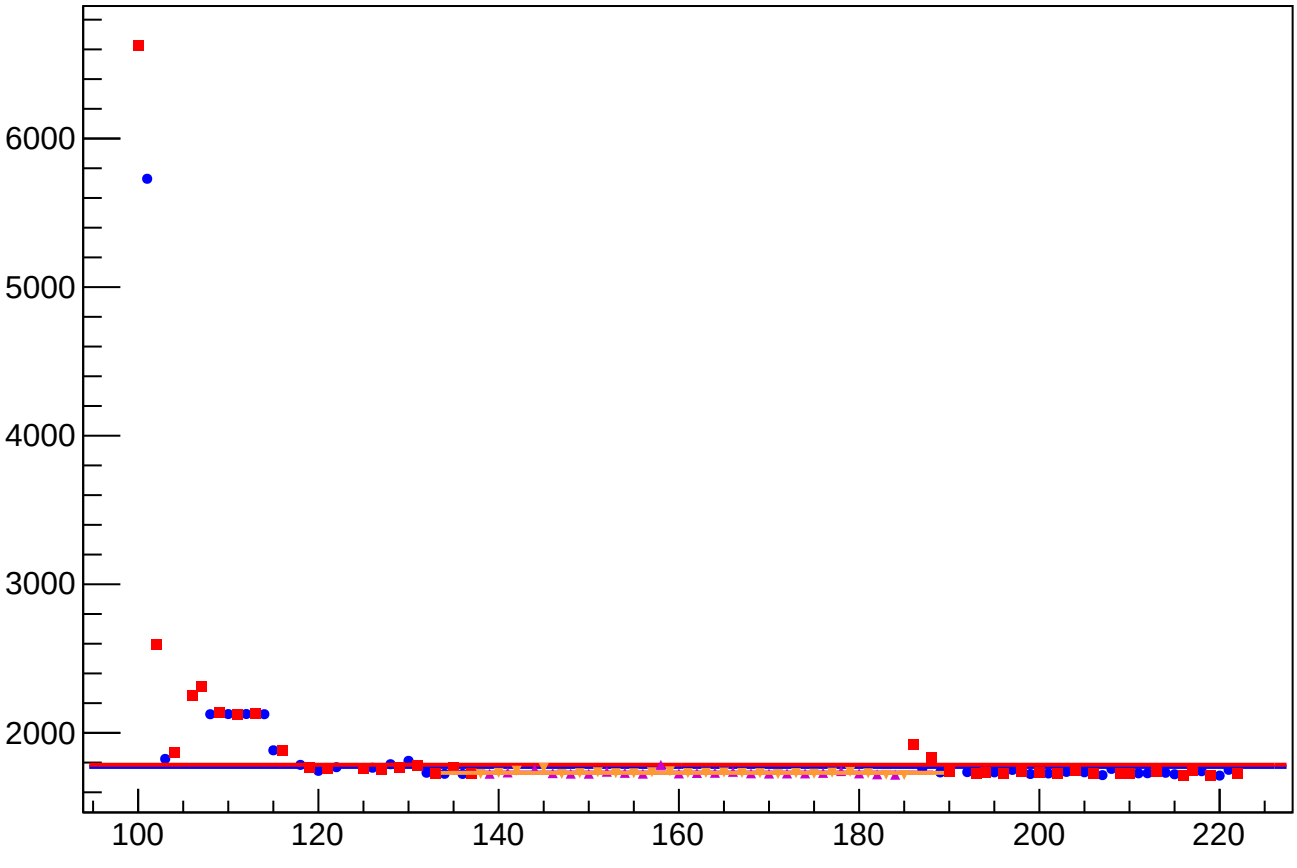
100
120
140
160
180
200
220
Right In: -249.584+/-379.817 χ²/NDF: 28.4/33
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 451.337+/-383.301 χ²/NDF: 27.3/35
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 97.677+/-269.794 χ²/NDF: 57.4/69
In: -73.617+/-276.928 χ²/NDF:58.3/56
Out: 484.039+/-277.313 χ²/NDF:48.1/59
All: 204.824+/-195.954 χ²/NDF: 108.4/116



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: 1785.506+/-0.271 χ^2/NDF: 339550.8/35

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

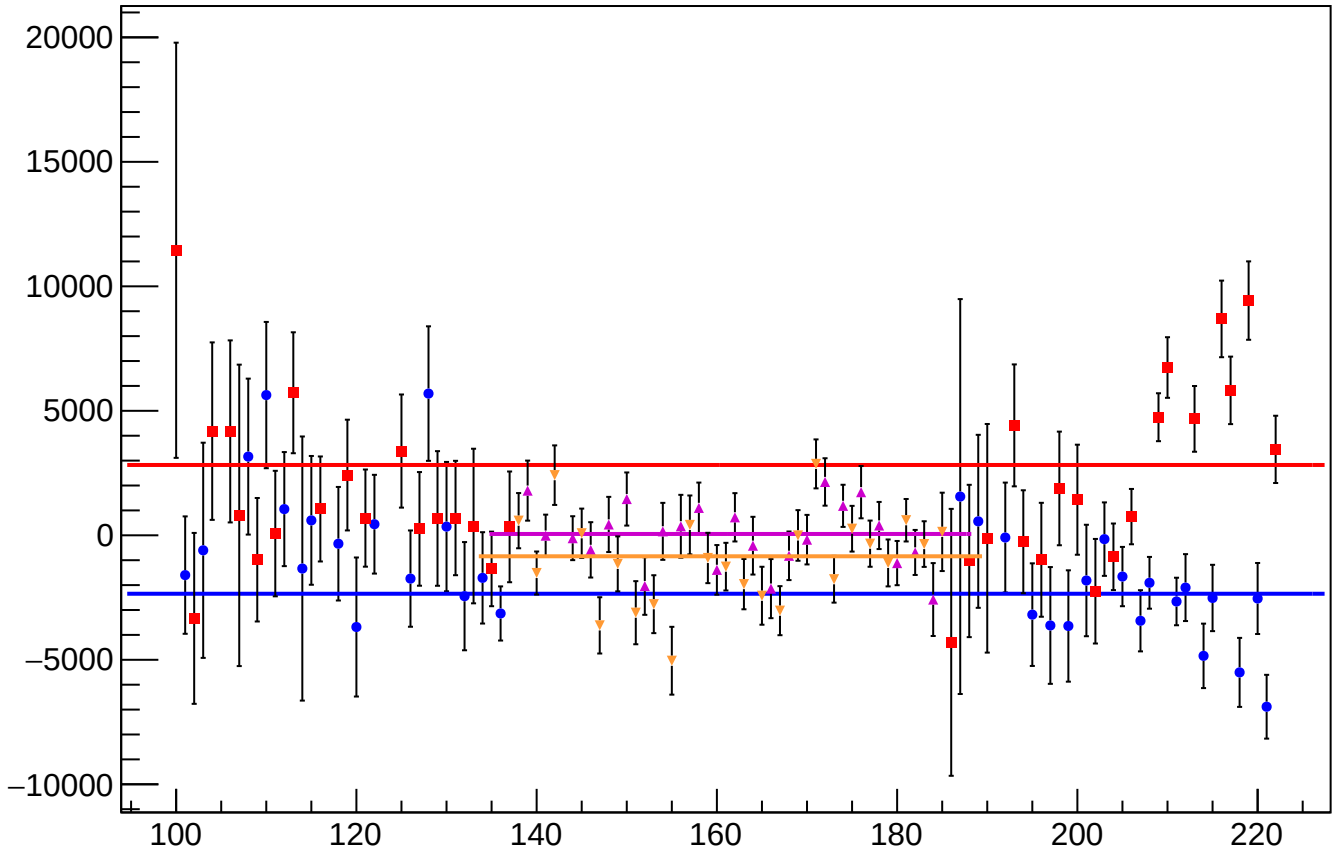
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1778.080+/-0.191 χ^2/NDF: 1065230.9/69

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1759.457+/-0.196 χ^2/NDF:359902.4/59

All: 1756.270+/-0.139 χ^2/NDF: 1096129.4/11



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: 2824.977+/-317.146 χ^2/NDF: 104.2/35

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

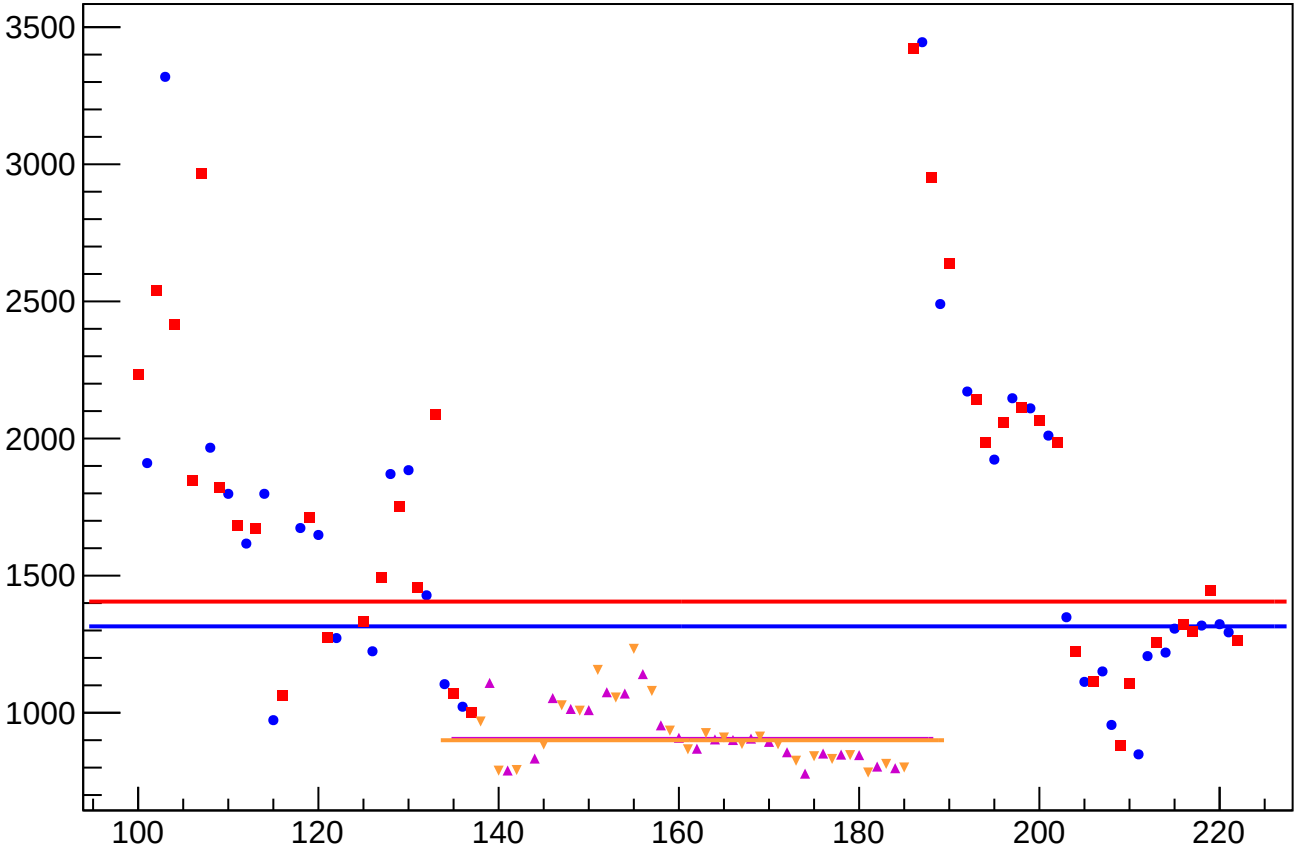
Right: 38.437+/-215.385 χ^2/NDF: 303.4/69

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 281.702+/-175.588 χ^2/NDF:259.7/59

All: -256.167+/-123.001 χ^2/NDF: 408.5/116

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: 1405.401+/-0.224 χ^2/NDF: 3984357.1/35

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

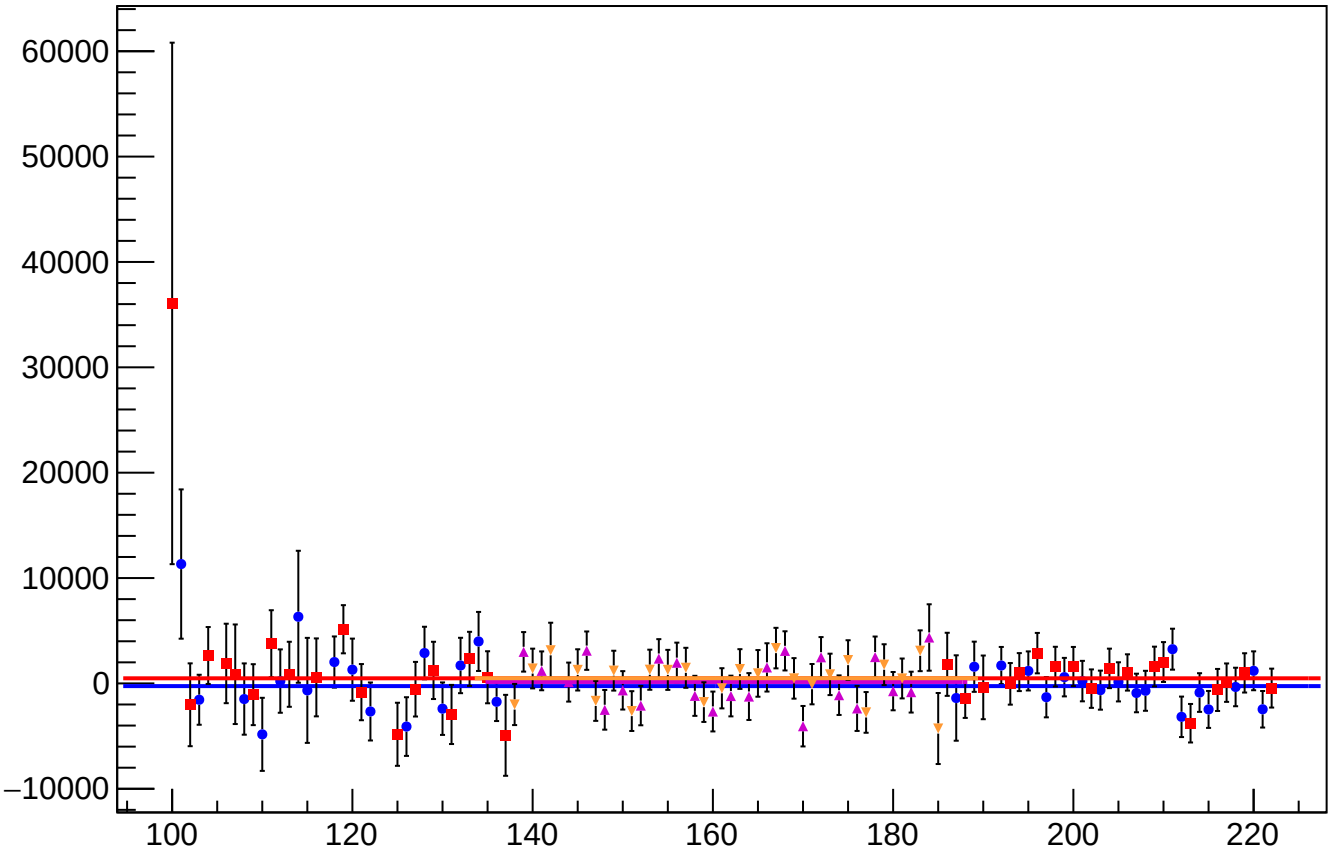
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1356.712+/-0.152 χ^2/NDF: 7679757.6/69

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1054.791+/-0.124 χ^2/NDF:8004418.7/59

All: 1050.434+/-0.087 χ^2/NDF: 14629174.0/



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: 485.007+/-383.975 χ^2/NDF: 27.9/35

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

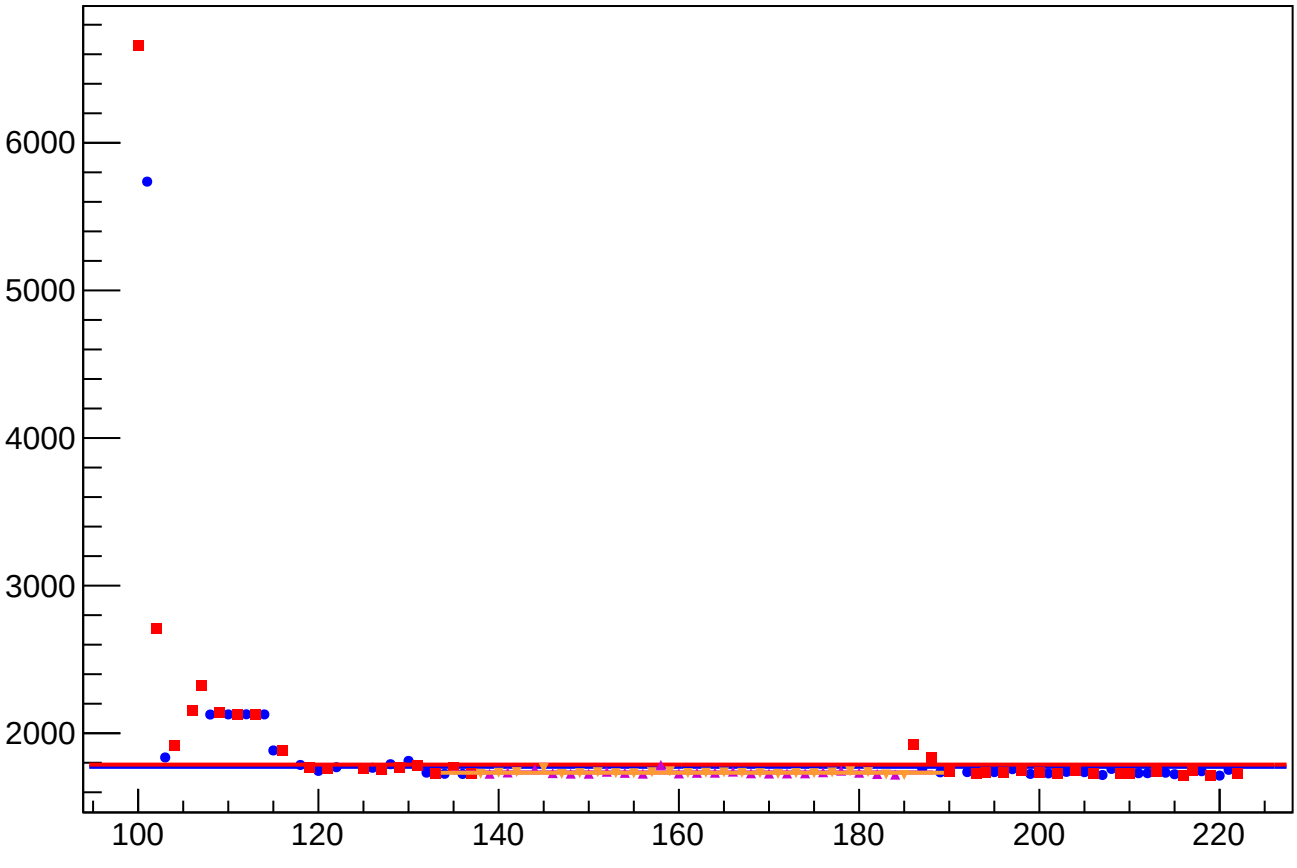
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 111.214+/-270.156 χ^2/NDF: 58.3/69

In: -71.415+/-277.181 χ^2/NDF:58.5/56

Out: 489.725+/-277.688 χ^2/NDF:48.0/59

All: 208.643+/-196.176 χ^2/NDF: 108.6/116



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: 1787.485+/-0.272 χ^2/NDF: 350695.0/35

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

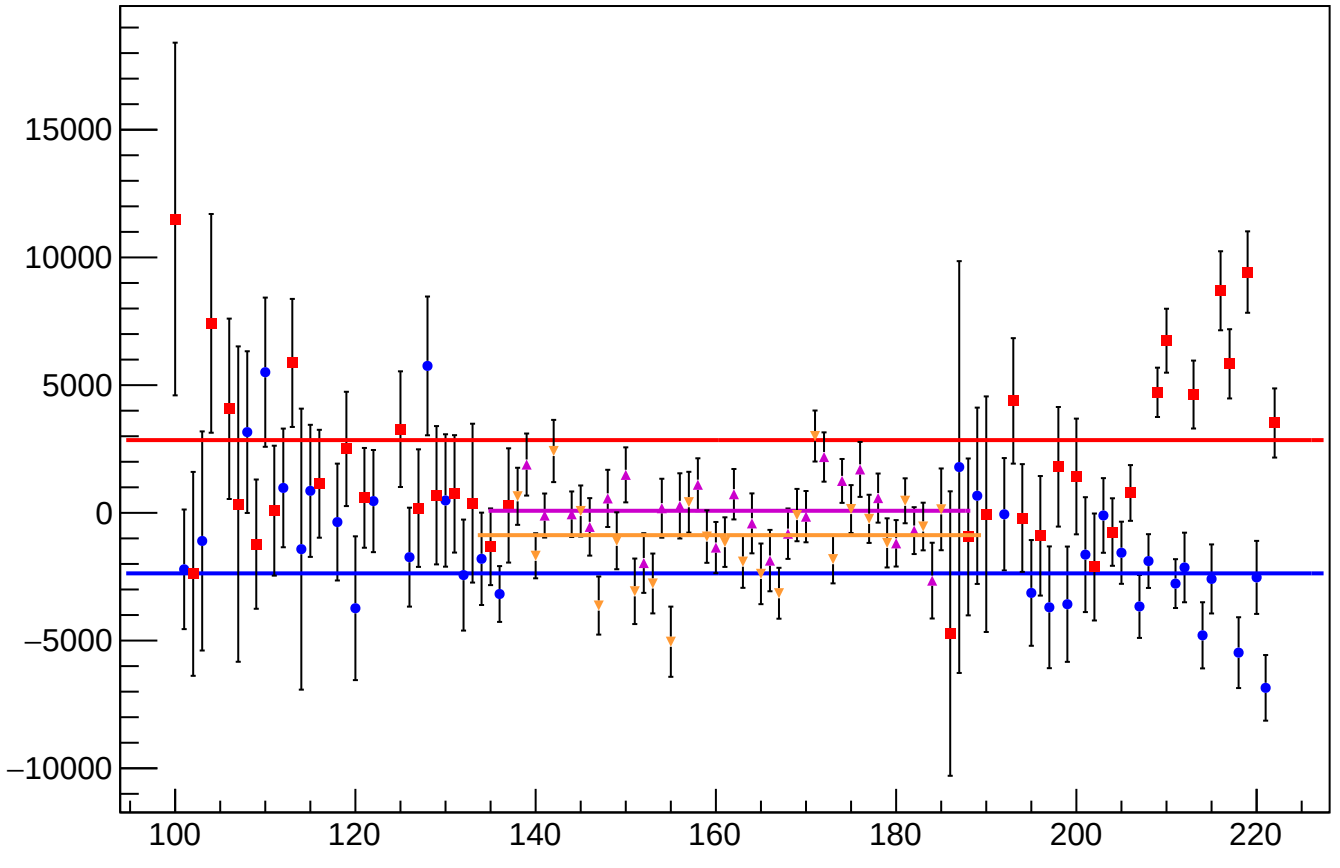
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1779.833+/-0.191 χ^2/NDF: 1077081.0/69

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1761.205+/-0.196 χ^2/NDF:371247.9/59

All: 1757.918+/-0.139 χ^2/NDF: 1108079.6/11



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: 2848.424+/-319.270 χ^2/NDF: 102.2/35

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

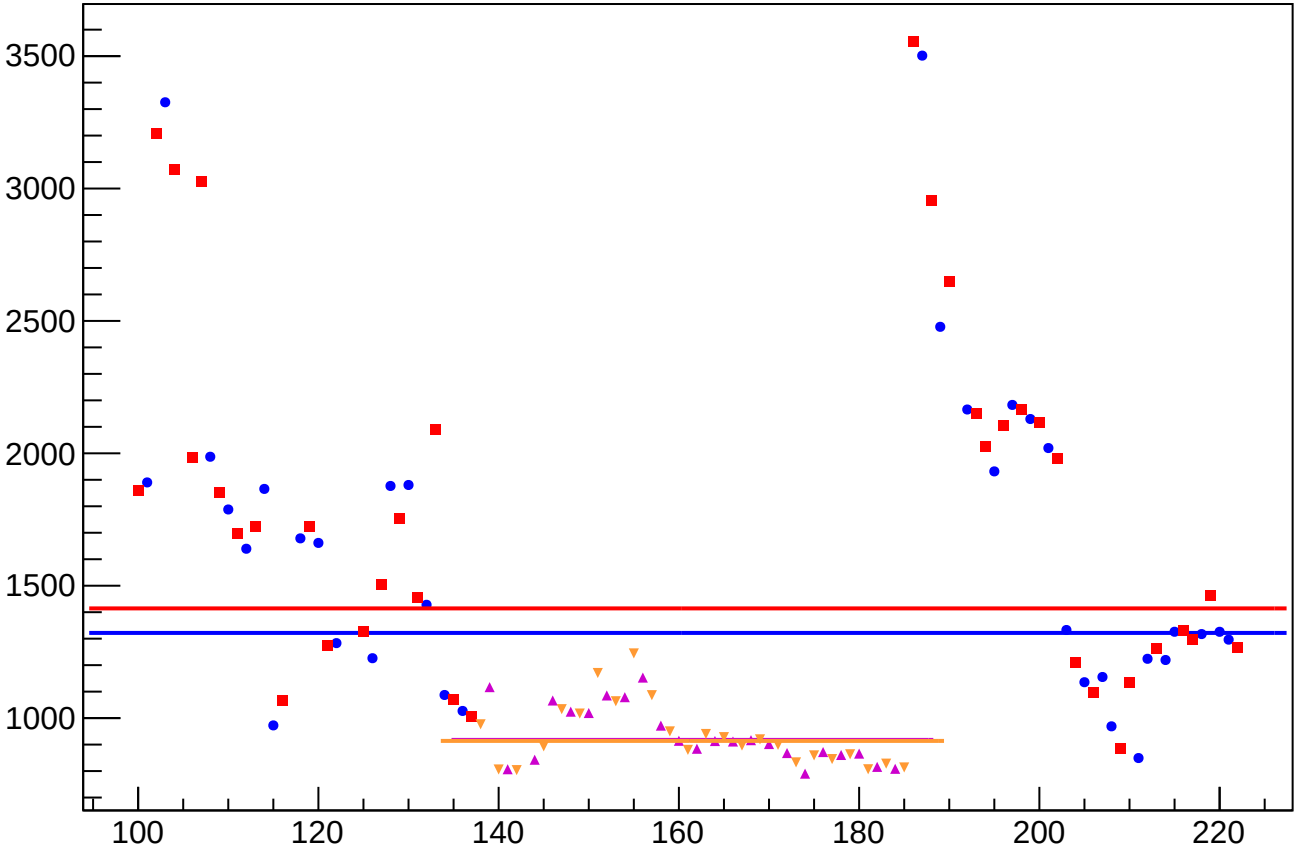
Right: 32.813+/-216.619 χ^2/NDF: 302.3/69

In: -773.743+/-174.206 χ^2/NDF:131.0/56

Out: 280.816+/-177.766 χ^2/NDF:257.9/59

All: -257.131+/-124.422 χ^2/NDF: 406.8/116

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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: 1414.303+/-0.226 χ^2/NDF: 4425197.5/35

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

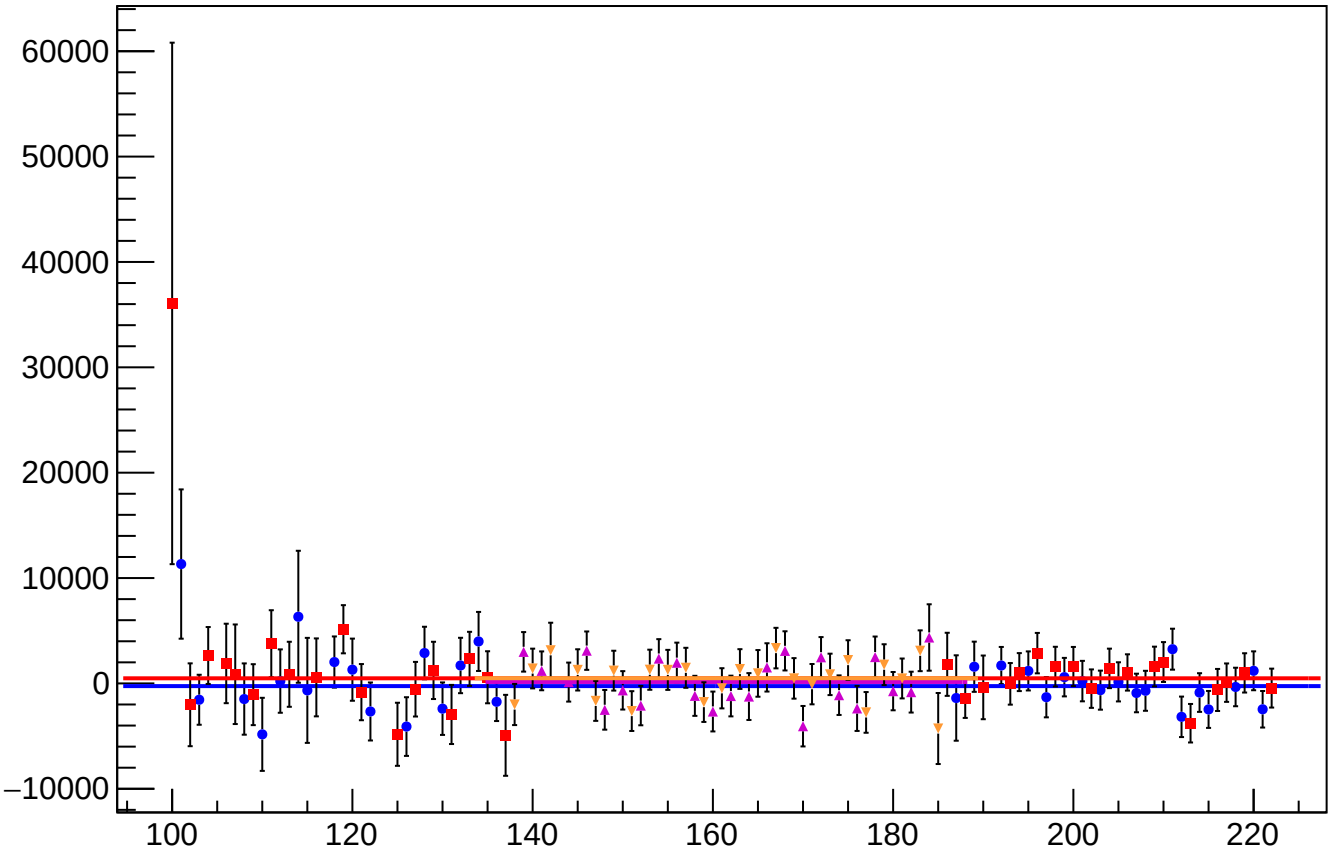
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1364.343+/-0.153 χ^2/NDF: 8115482.1/69

In: 1058.698+/-0.123 χ^2/NDF:6474603.1/56

Out: 1069.031+/-0.126 χ^2/NDF:8278017.9/59

All: 1063.760+/-0.088 χ^2/NDF: 14756068.4/1



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: 485.001+/-383.975 χ^2/NDF: 27.9/35

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

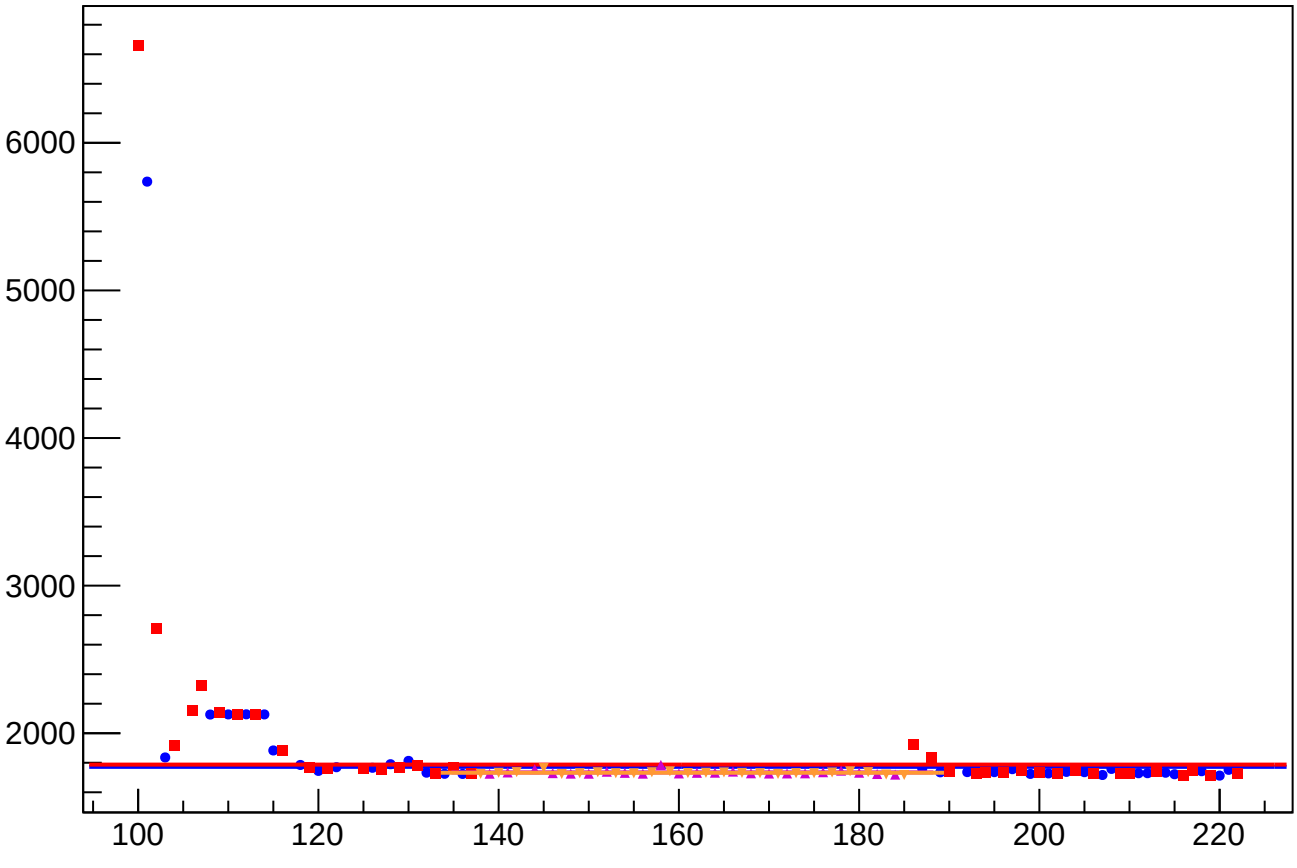
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 111.213+/-270.156 χ^2/NDF: 58.3/69

In: -71.413+/-277.181 χ^2/NDF:58.5/56

Out: 489.722+/-277.688 χ^2/NDF:48.0/59

All: 208.642+/-196.176 χ^2/NDF: 108.6/116



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: 1787.485+/-0.272 χ^2/NDF: 350694.8/35

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

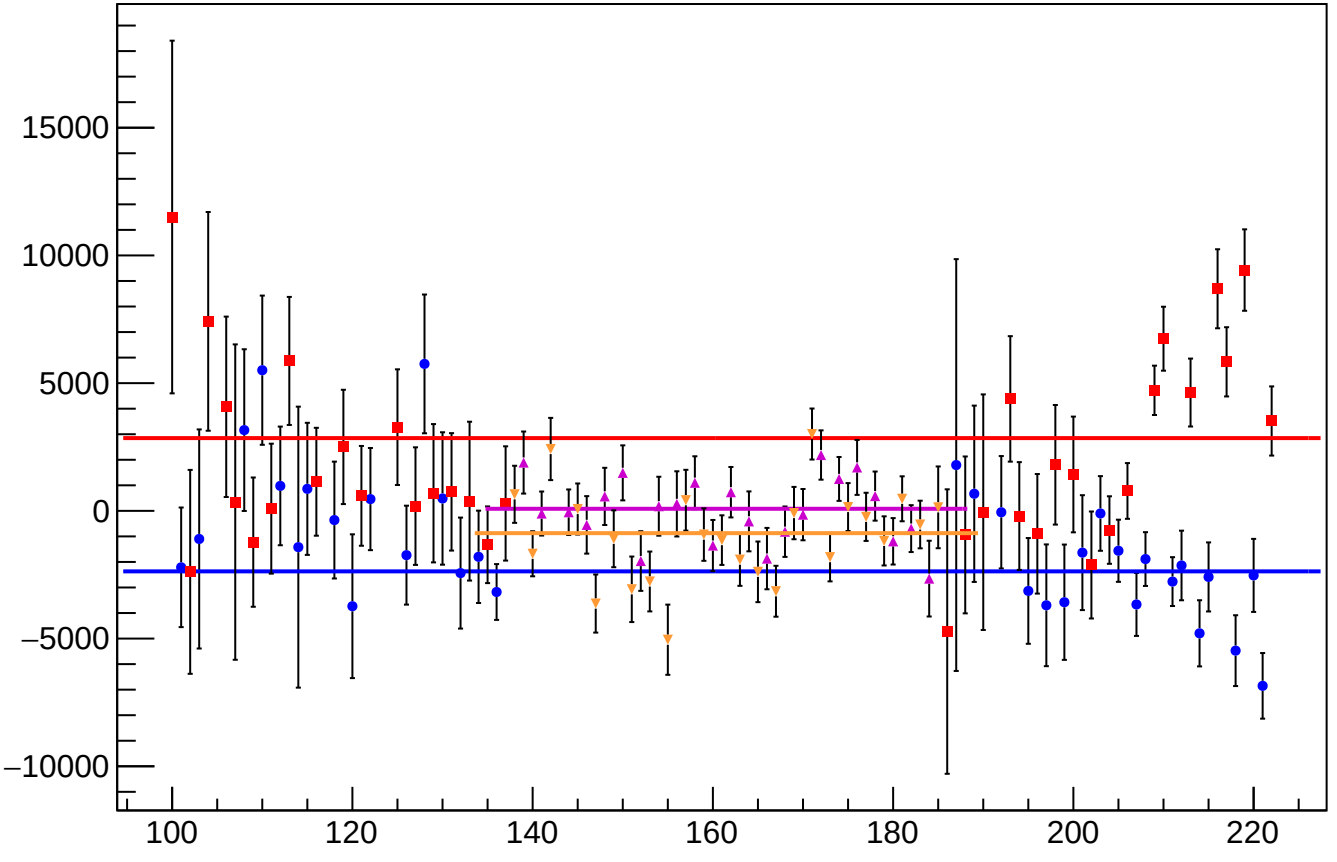
Right: 1779.833+/-0.191 χ^2/NDF: 1077080.7/69

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1761.205+/-0.196 χ^2/NDF:371247.6/59

All: 1757.918+/-0.139 χ^2/NDF: 1108079.3/11

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: 2848.425+/-319.269 χ^2/NDF: 102.2/35

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

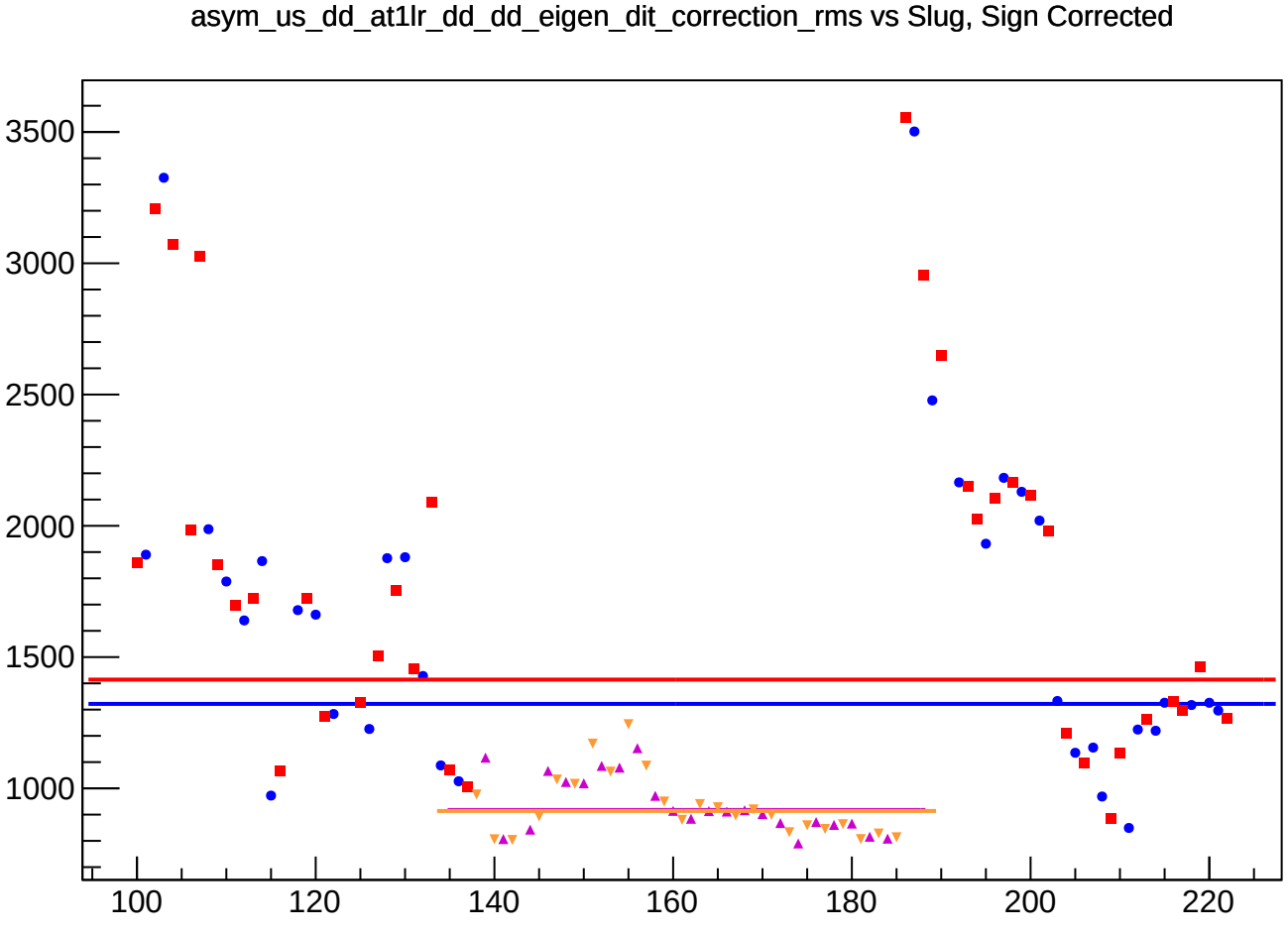
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 32.818+/-216.618 χ^2/NDF: 302.3/69

In: -773.744+/-174.205 χ^2/NDF:131.0/56

Out: 280.819+/-177.766 χ^2/NDF:257.9/59

All: -257.130+/-124.422 χ^2/NDF: 406.8/116



Right In: 1321.725+/-0.209 χ^2/NDF: 3599531.0/33

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1414.300+/-0.226 χ^2/NDF: 4425214.5/35

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

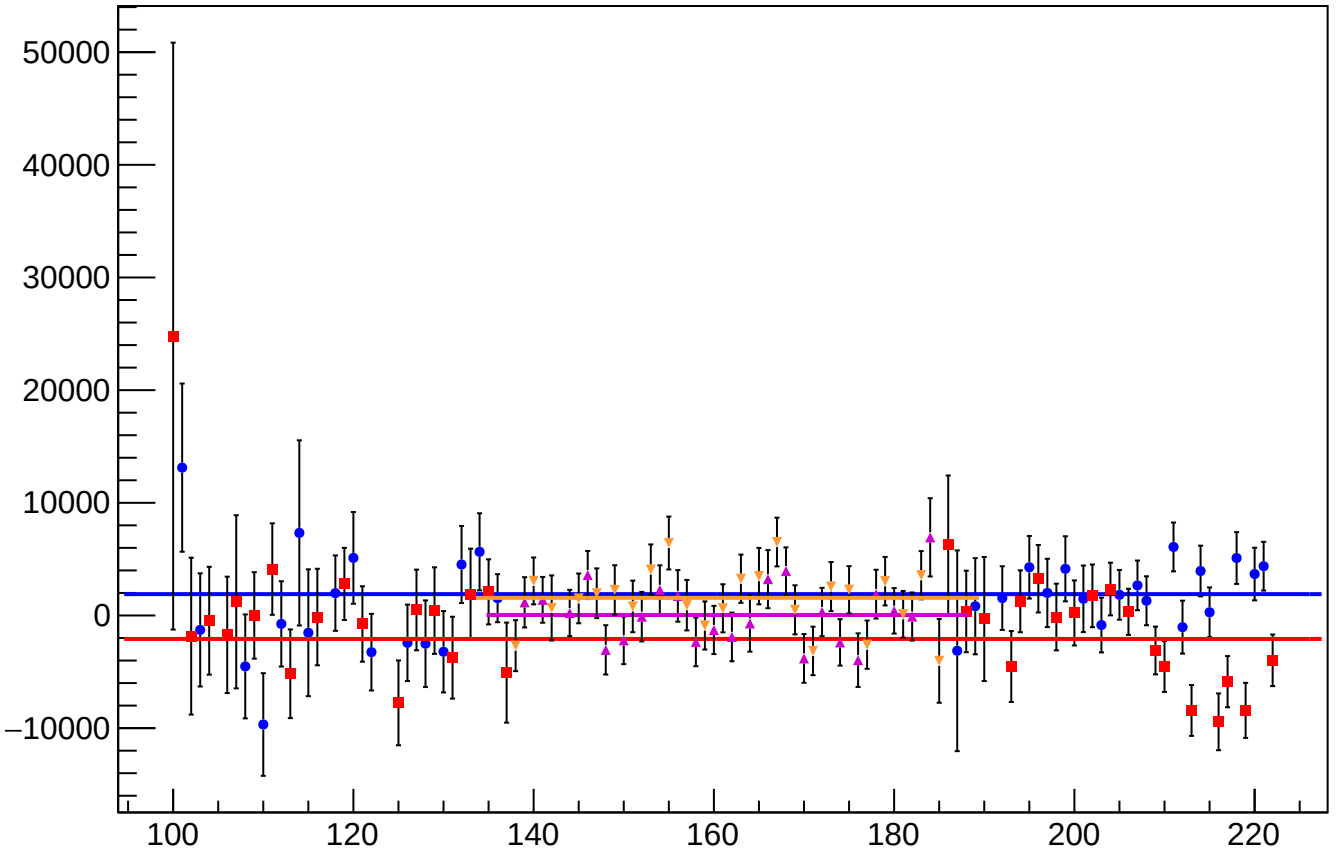
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1364.341+/-0.153 χ^2/NDF: 8115490.9/69

In: 1058.697+/-0.123 χ^2/NDF:6474600.3/56

Out: 1069.031+/-0.126 χ^2/NDF:8278016.6/59

All: 1063.759+/-0.088 χ^2/NDF: 14756064.1/1



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: -2082.472+/-522.159 χ^2/NDF: 57.9/35

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

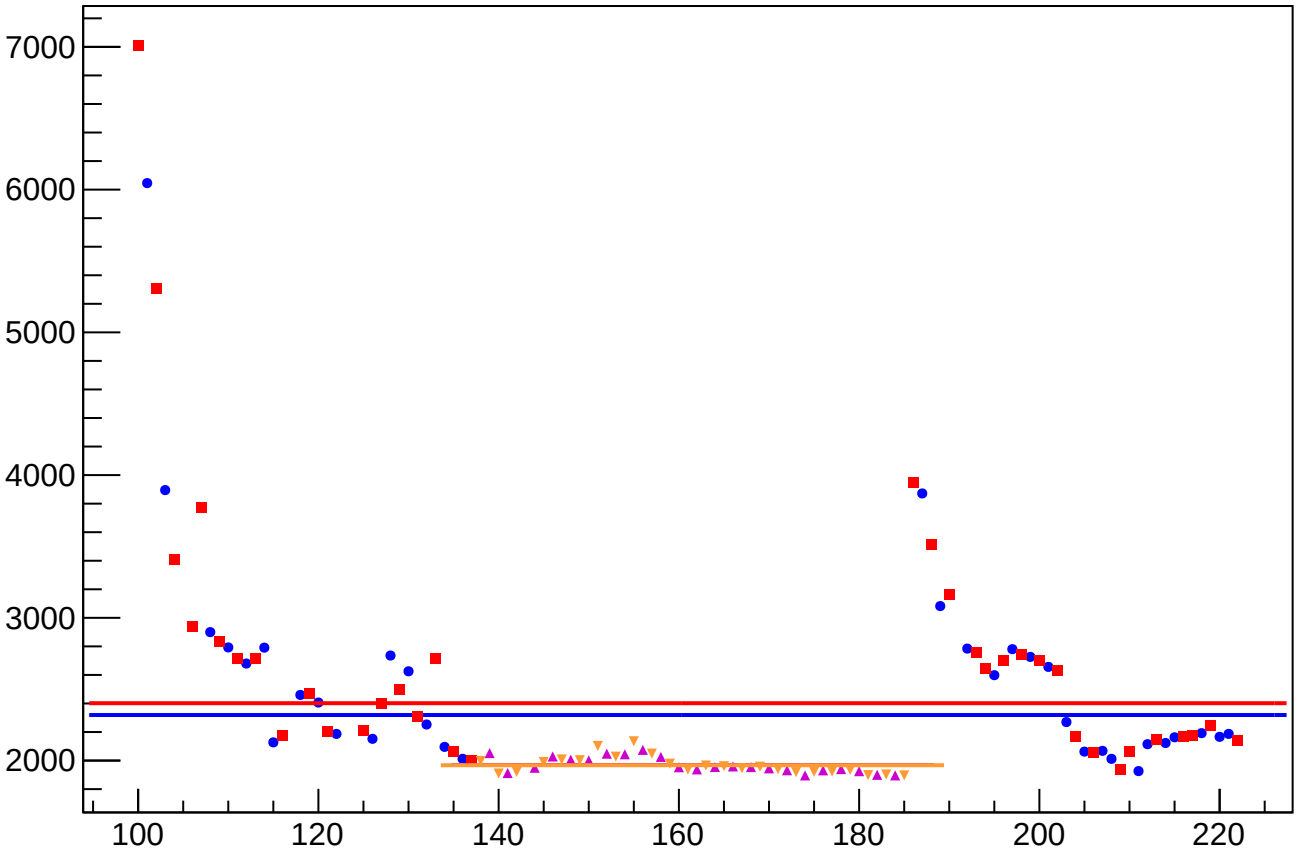
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: -15.979+/-361.876 χ^2/NDF: 123.8/69

In: 885.998+/-339.115 χ^2/NDF:71.0/56

Out: -18.684+/-343.841 χ^2/NDF:116.7/59

All: 439.918+/-241.444 χ^2/NDF: 191.2/116



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: 2401.939+/-0.369 χ^2/NDF: 1500162.3/35

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

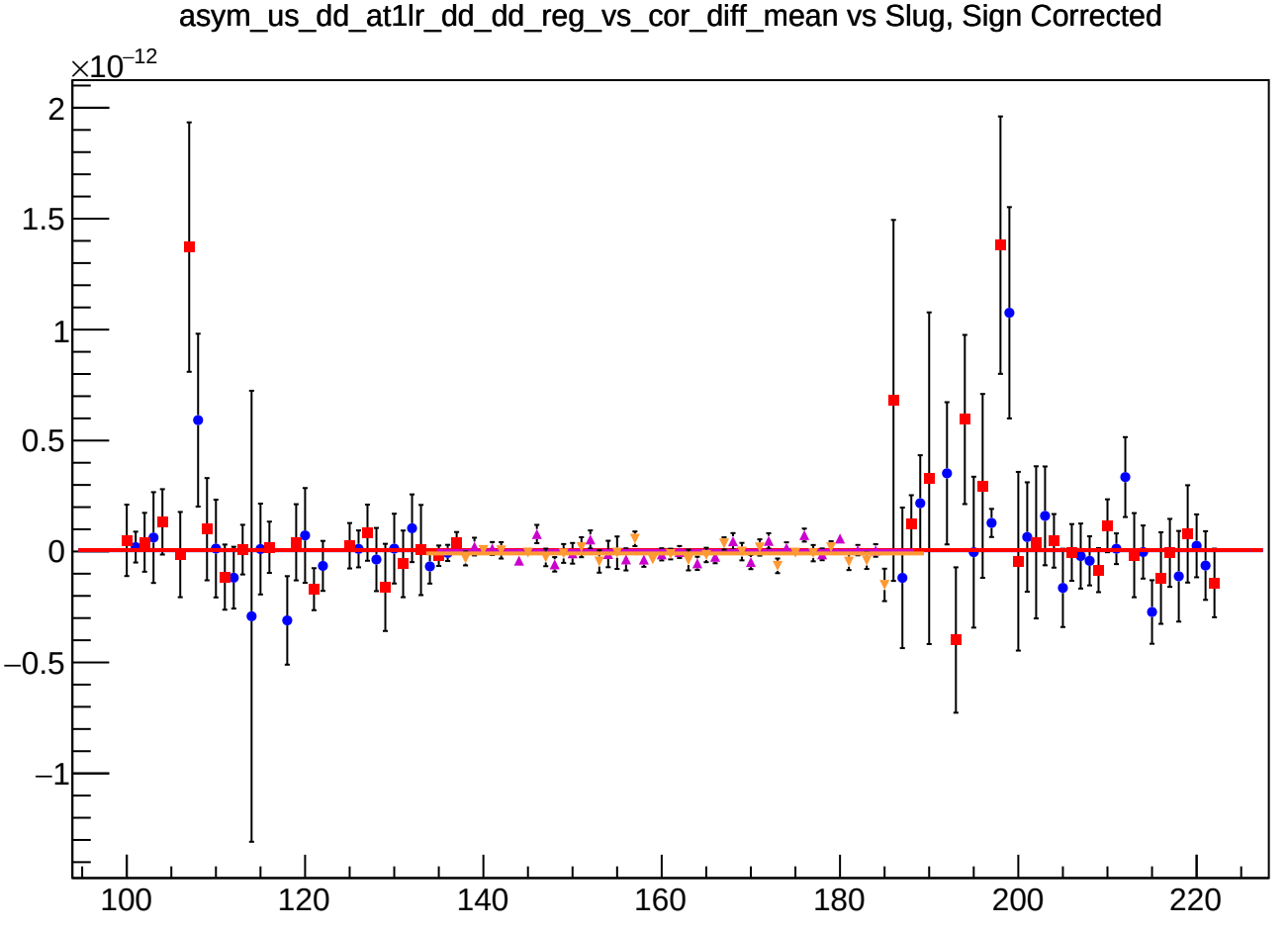
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2359.006+/-0.256 χ^2/NDF: 2935889.0/69

In: 2128.894+/-0.240 χ^2/NDF:1965716.7/56

Out: 2155.835+/-0.243 χ^2/NDF:2318818.3/59

All: 2142.178+/-0.171 χ^2/NDF: 4290758.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/35

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

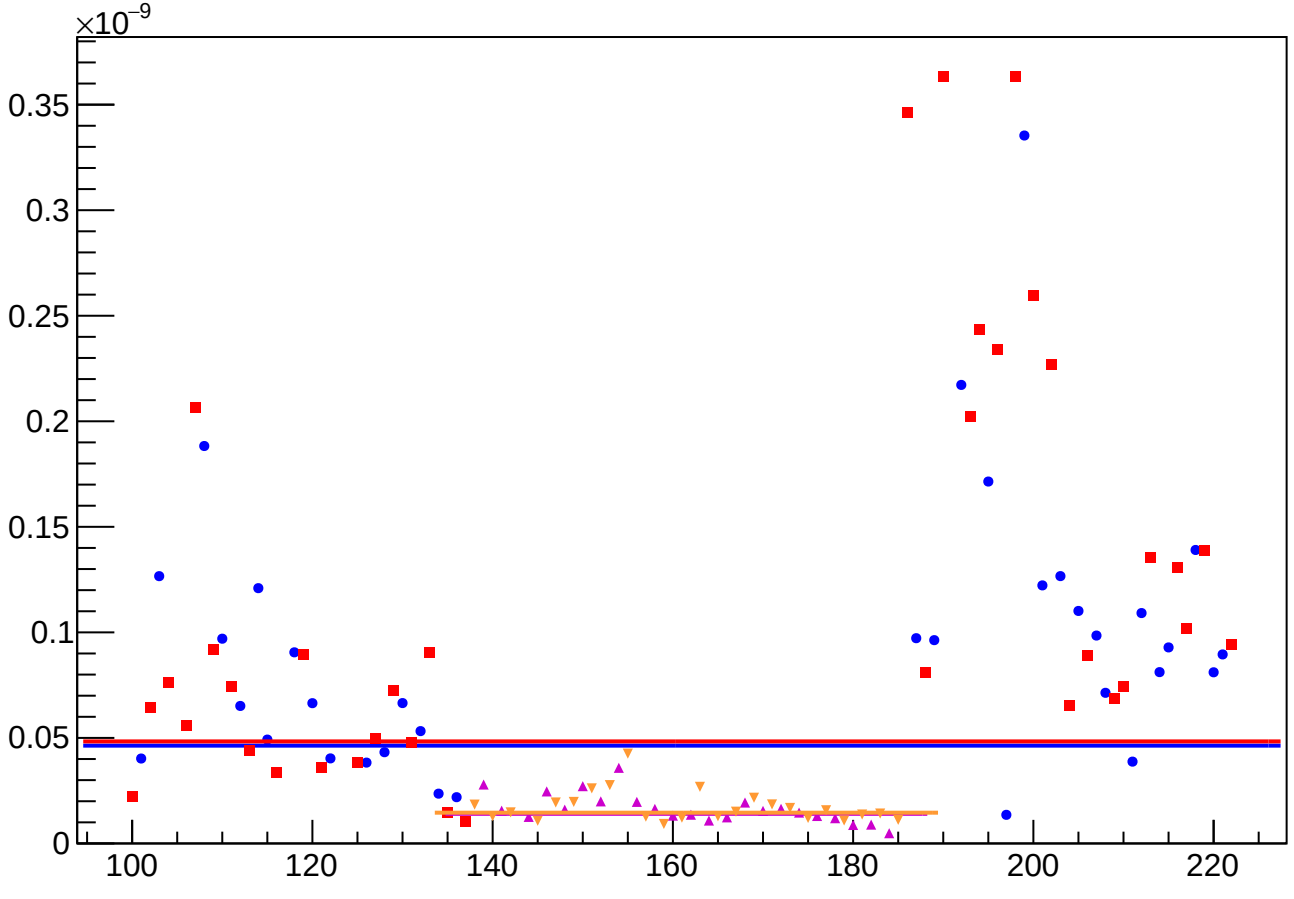
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 56.4/69

In: 0.000+/-0.000 χ^2/NDF:67.2/56

Out: -0.000+/-0.000 χ^2/NDF:49.4/59

All: -0.000+/-0.000 χ^2/NDF: 118.1/116



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: 8757554.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

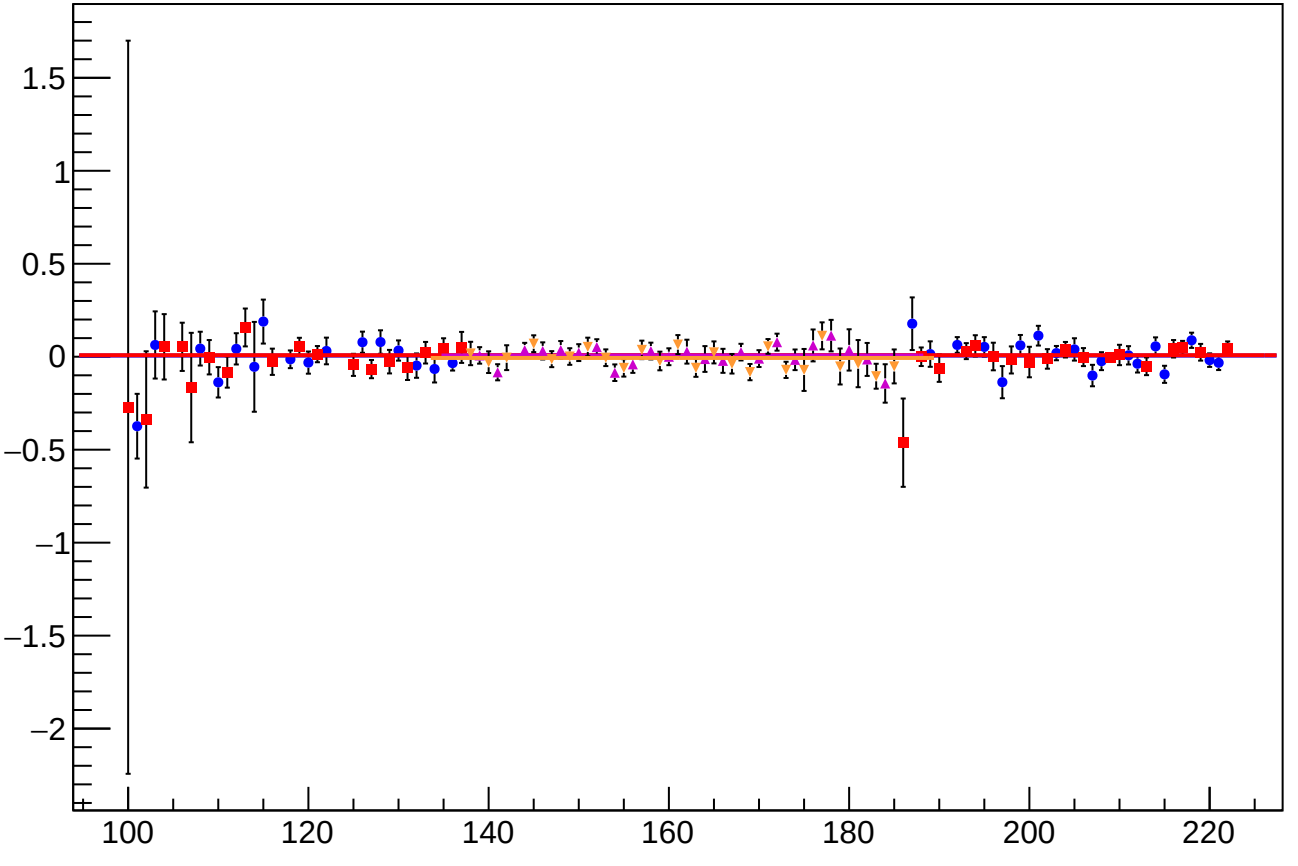
Right: 0.000+/-0.000 χ^2/NDF: 15432877.2/69

In: 0.000+/-0.000 χ^2/NDF:13076092.3/56

Out: 0.000+/-0.000 χ^2/NDF:14615906.5/59

All: 0.000+/-0.000 χ^2/NDF: 27695695.3/116

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: 0.008+/-0.009 χ^2/NDF: 22.4/35

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

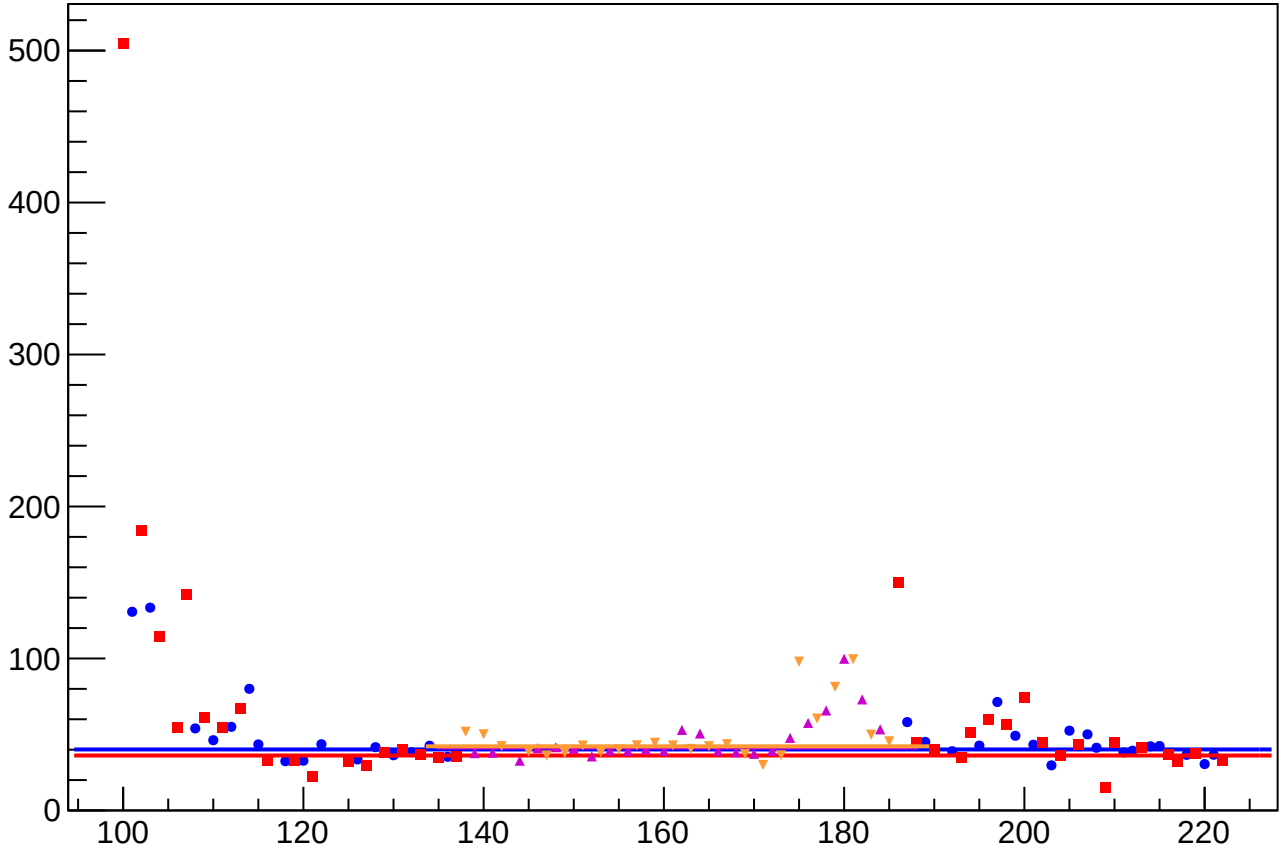
Right: 0.007+/-0.007 χ^2/NDF: 68.1/69

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.002+/-0.007 χ^2/NDF:47.4/59

All: 0.004+/-0.005 χ^2/NDF: 113.3/116

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: 36.160+/-0.007 χ^2/NDF: 4937778.5/35

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

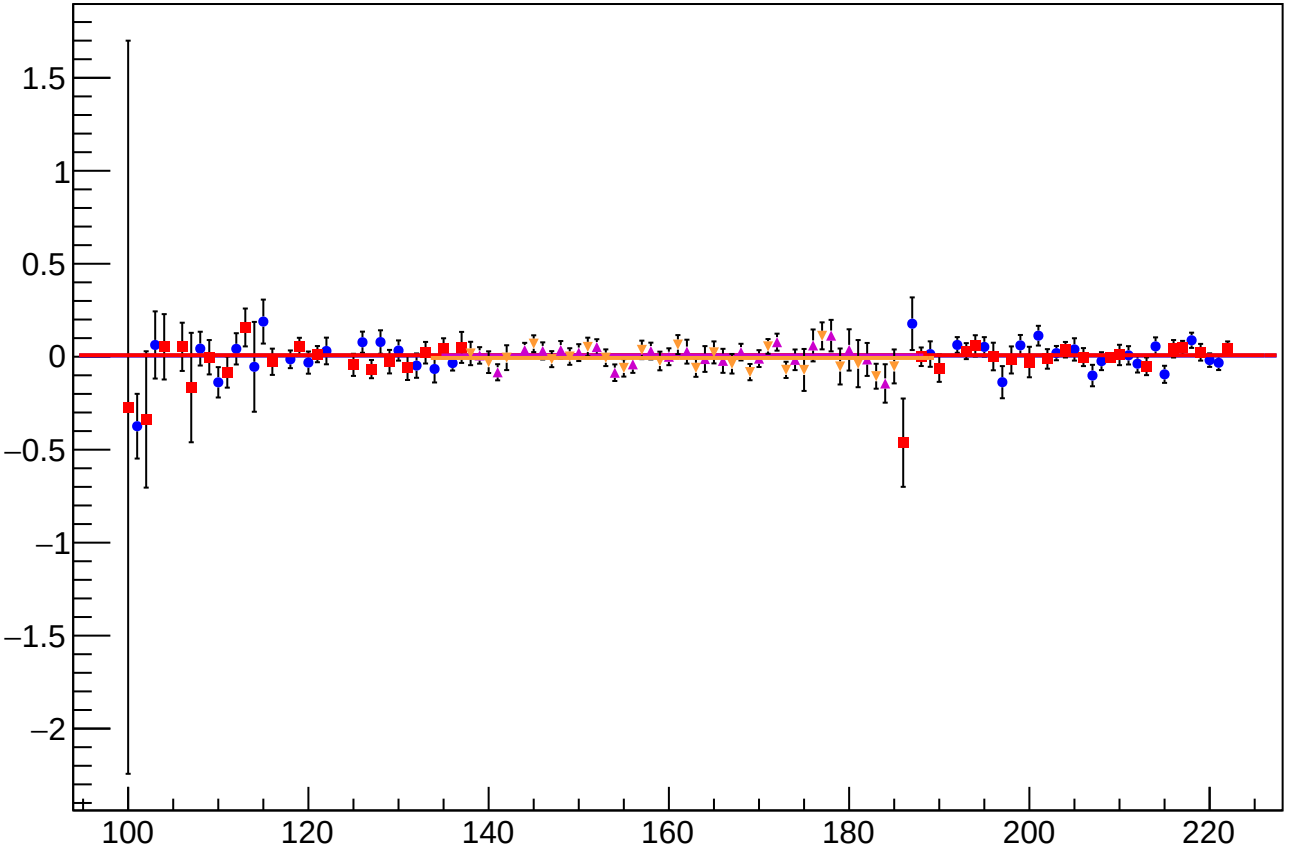
Right: 38.083+/-0.005 χ^2/NDF: 7371069.7/69

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.693+/-0.005 χ^2/NDF:7113641.8/59

All: 39.689+/-0.004 χ^2/NDF: 10877120.7/116

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: 0.008+/-0.009 χ^2/NDF: 22.4/35

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

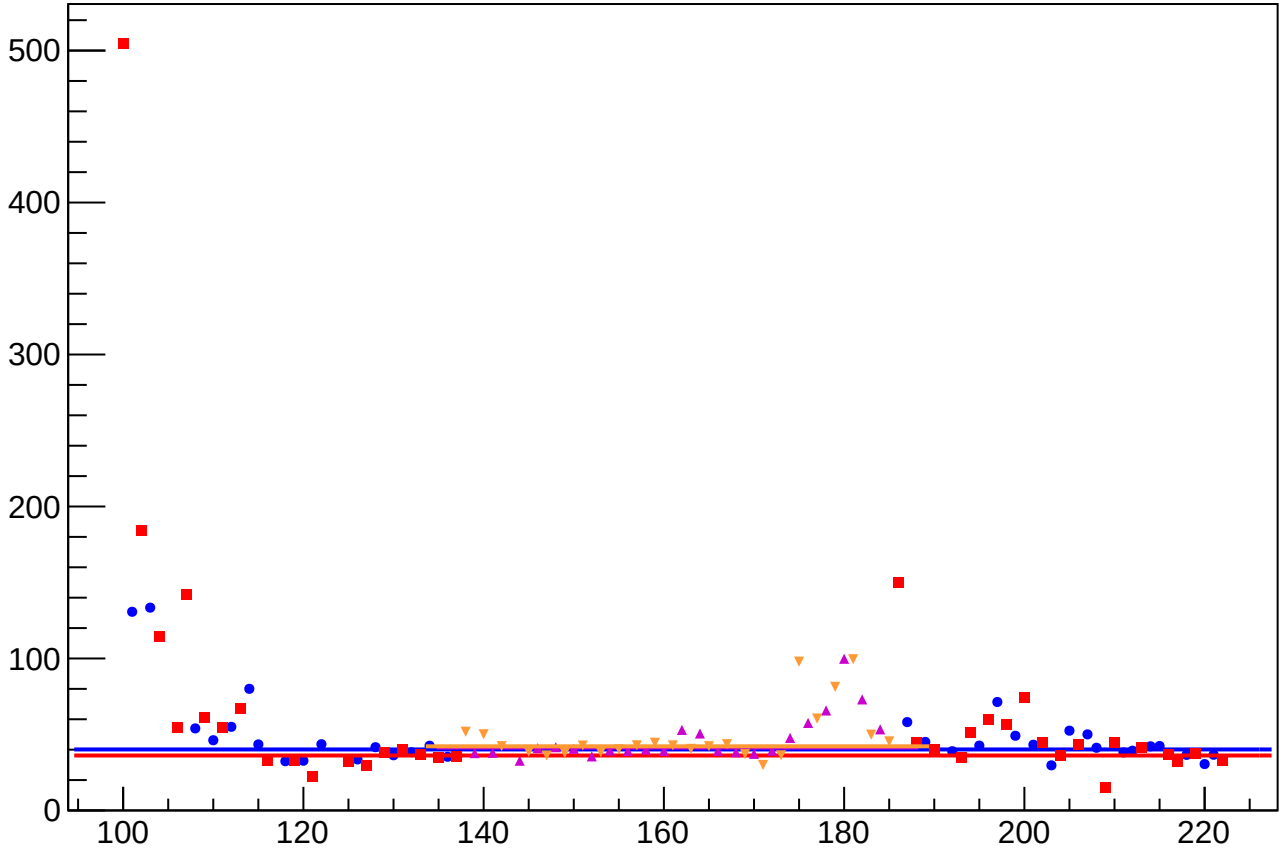
Right: 0.007+/-0.007 χ^2/NDF: 68.1/69

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.002+/-0.007 χ^2/NDF:47.4/59

All: 0.004+/-0.005 χ^2/NDF: 113.3/116

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: 36.160+/-0.007 χ^2/NDF: 4937778.5/35

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

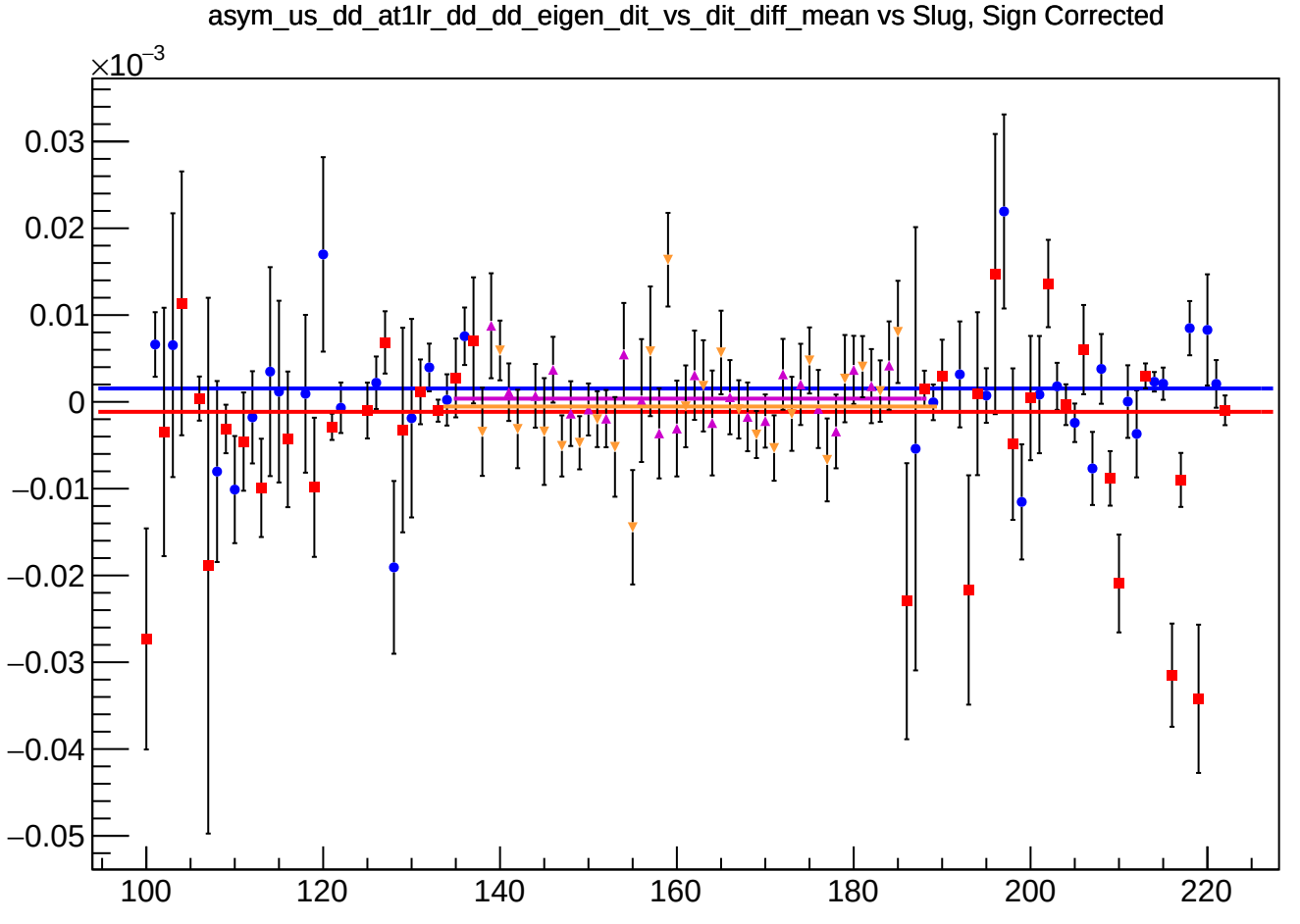
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.083+/-0.005 χ^2/NDF: 7371069.7/69

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.693+/-0.005 χ^2/NDF:7113641.8/59

All: 39.689+/-0.004 χ^2/NDF: 10877120.7/116



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: 111.7/35

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

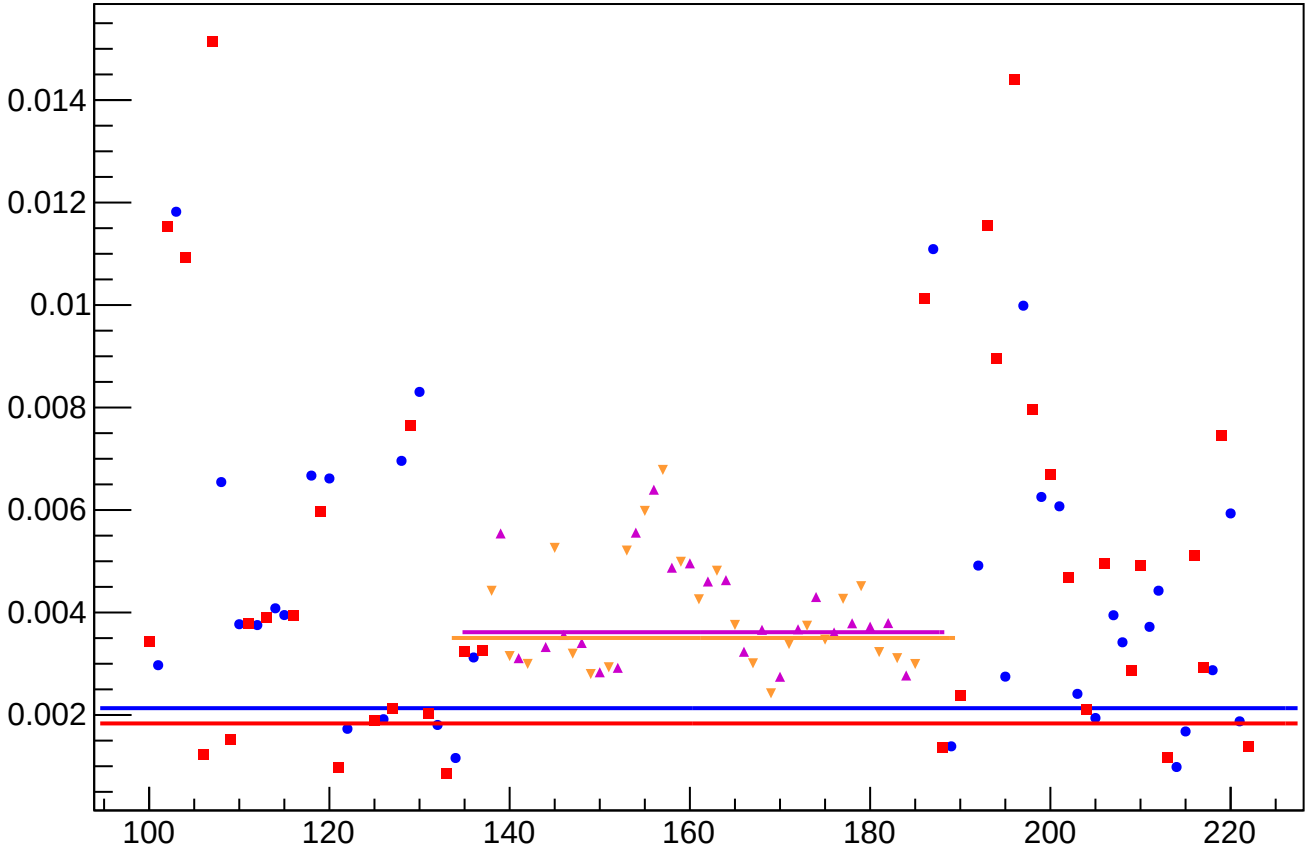
Right: 0.000+/-0.000 χ^2/NDF: 165.7/69

In: 0.000+/-0.000 χ^2/NDF:53.1/56

Out: -0.000+/-0.000 χ^2/NDF:148.9/59

All: 0.000+/-0.000 χ^2/NDF: 212.8/116

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: 16524796.1/35

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

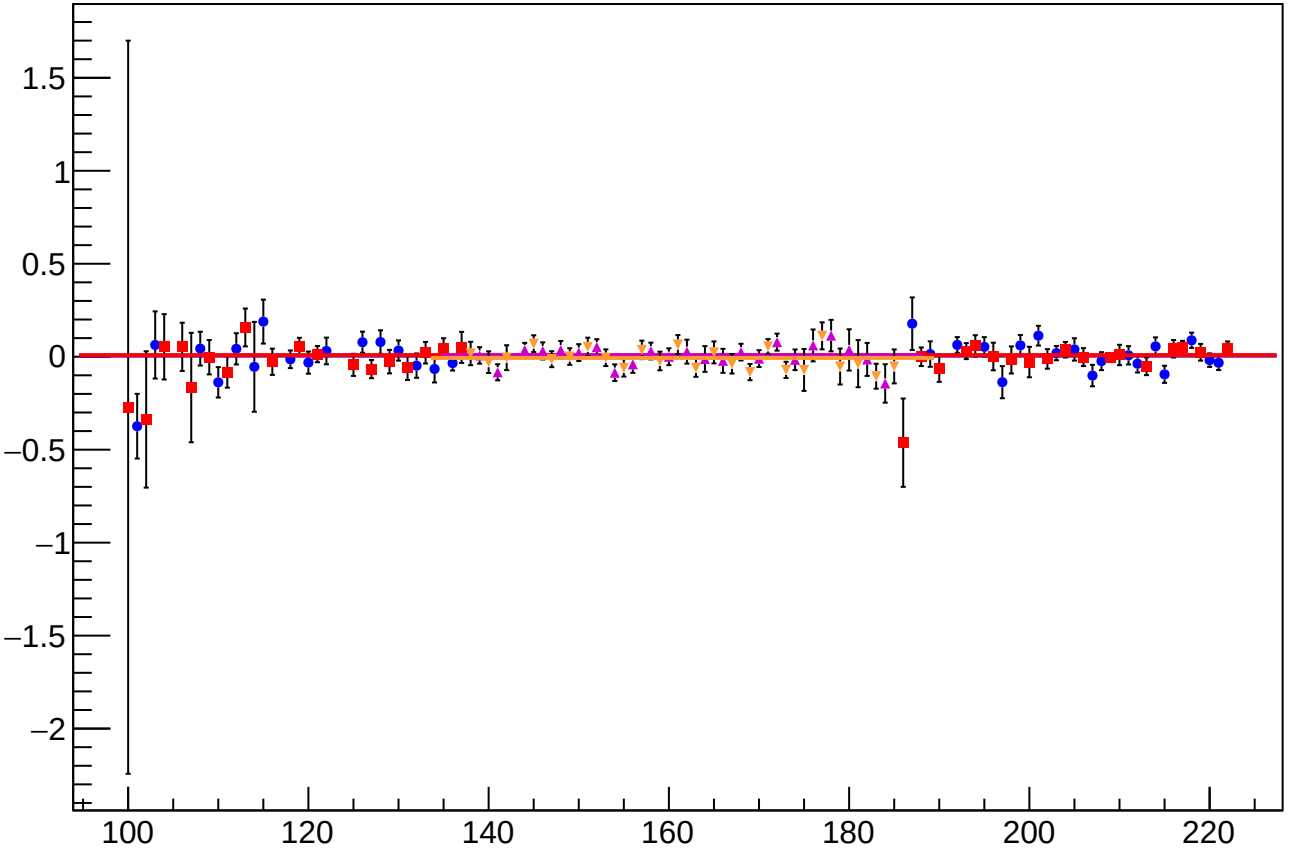
Right: 0.002+/-0.000 χ^2/NDF: 28663939.1/69

In: 0.003+/-0.000 χ^2/NDF:17569400.8/56

Out: 0.002+/-0.000 χ^2/NDF:24279158.8/59

All: 0.002+/-0.000 χ^2/NDF: 42164961.6/116

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: 0.008+/-0.009 χ^2/NDF: 22.4/35

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

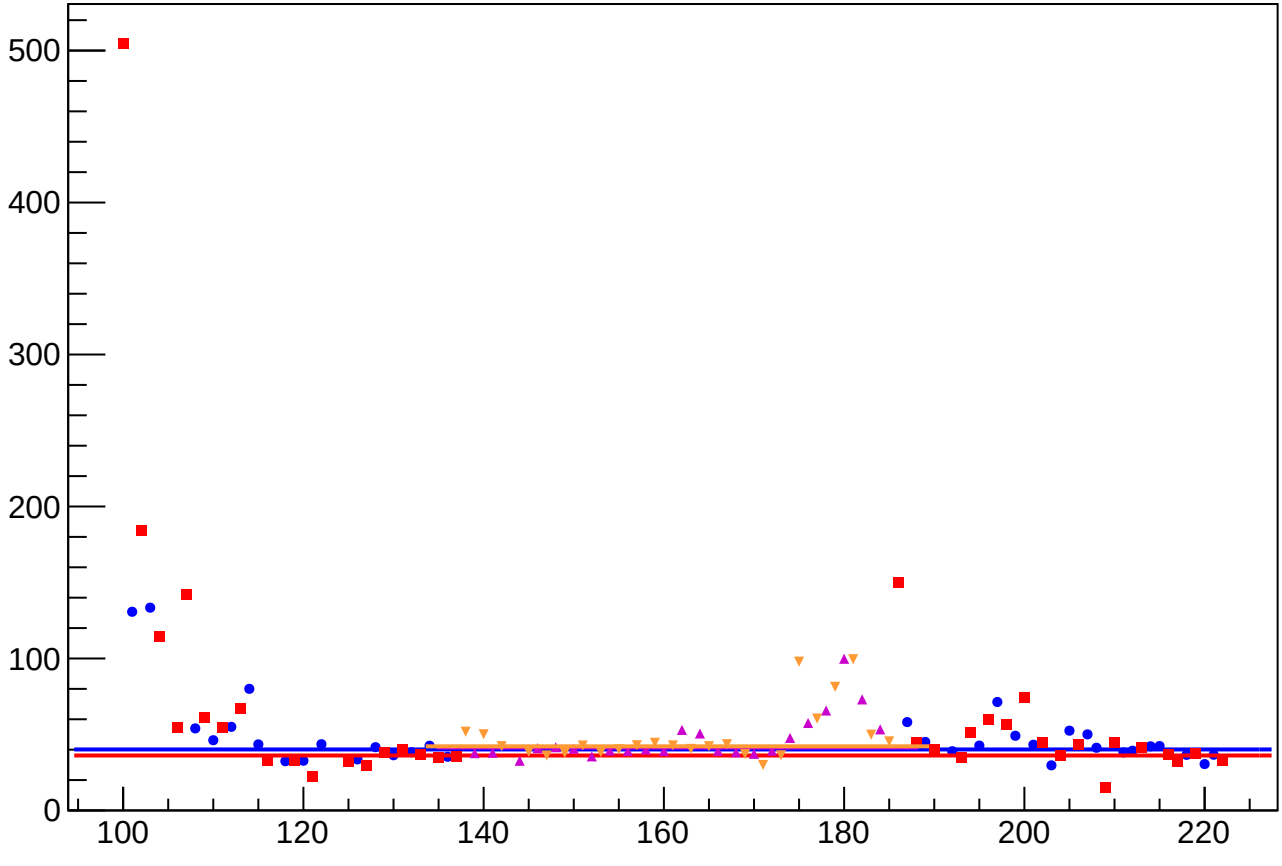
Right: 0.007+/-0.007 χ^2/NDF: 68.1/69

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.002+/-0.007 χ^2/NDF:47.4/59

All: 0.004+/-0.005 χ^2/NDF: 113.3/116

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: 36.163+/-0.007 χ^2/NDF: 4935292.2/35

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

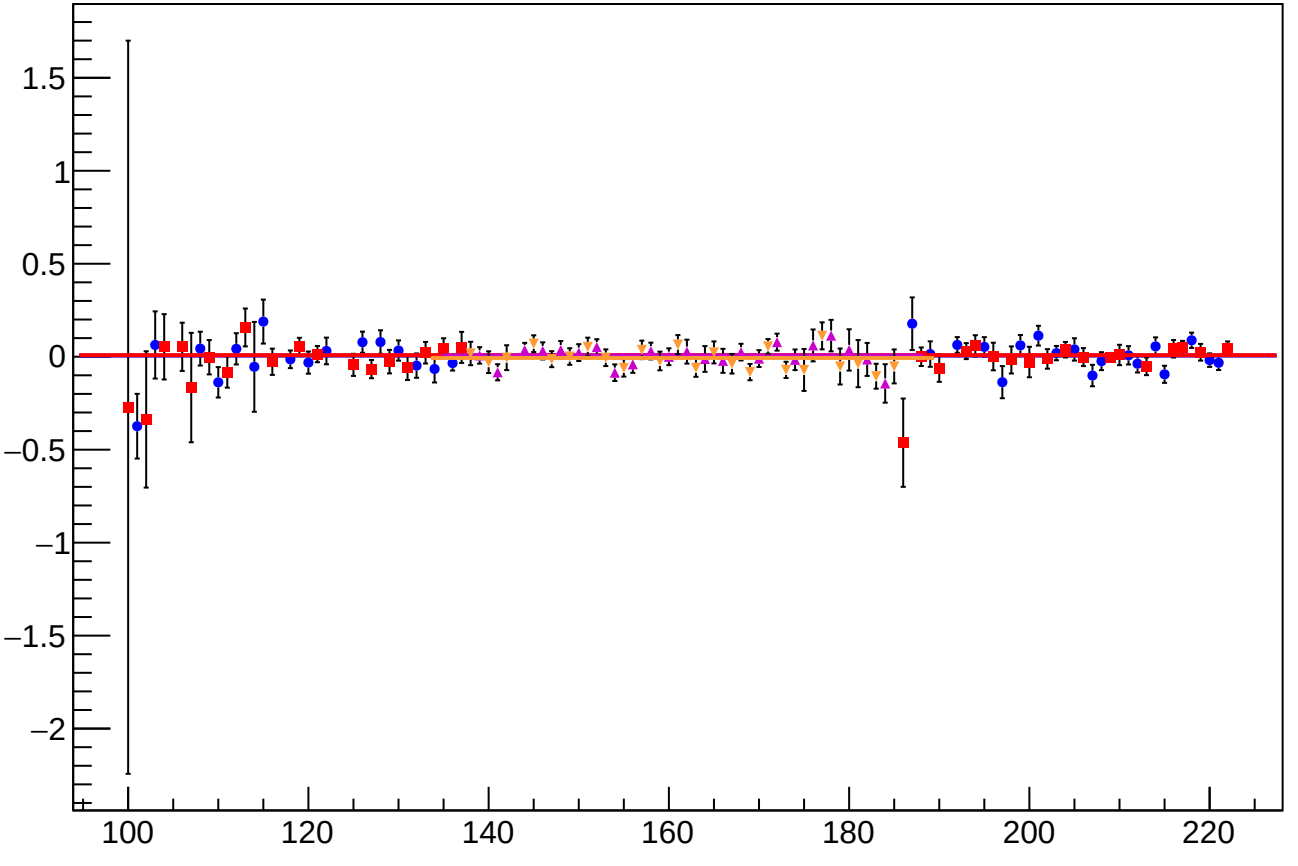
Right: 38.085+/-0.005 χ^2/NDF: 7368264.2/69

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.695+/-0.005 χ^2/NDF:7110766.9/59

All: 39.689+/-0.004 χ^2/NDF: 10873969.4/116

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: 0.008+/-0.009 χ^2/NDF: 22.4/35

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

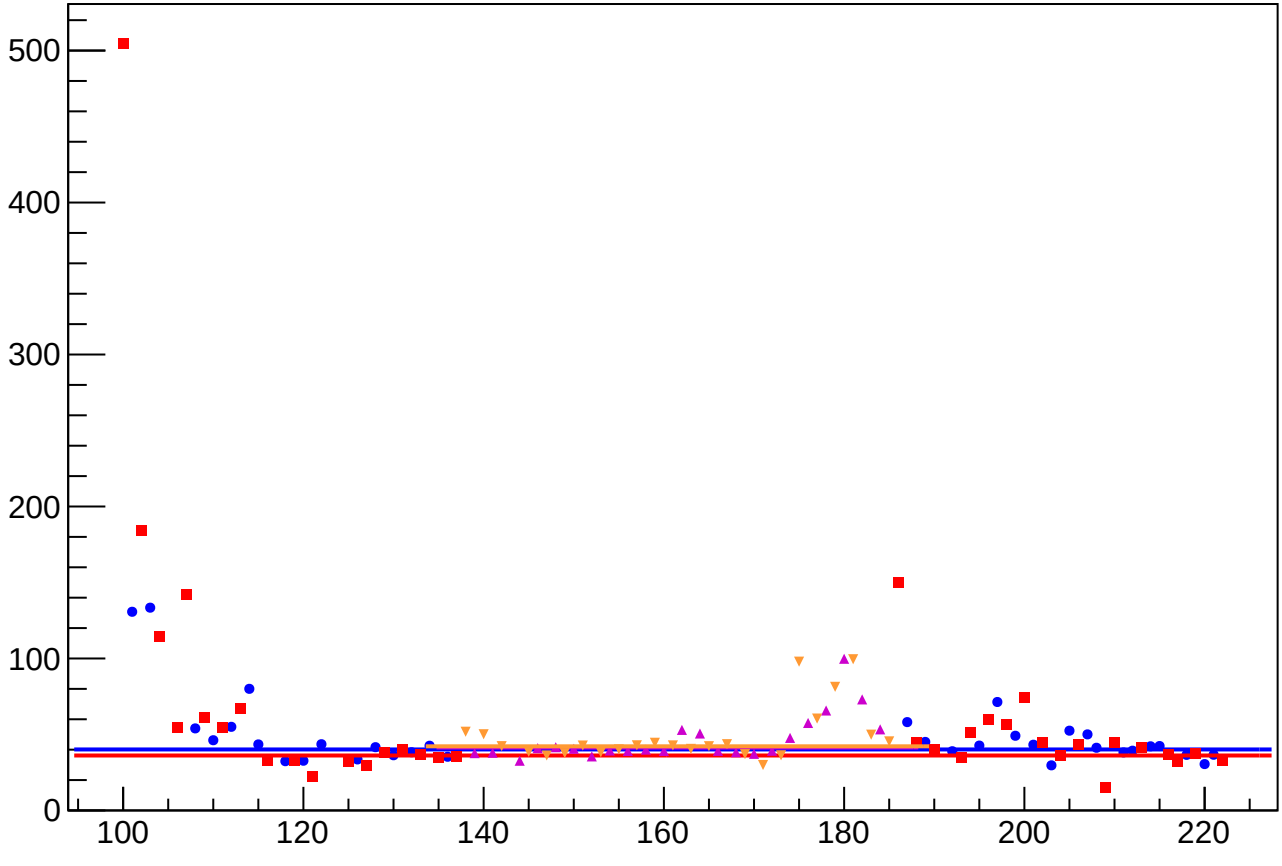
Right: 0.007+/-0.007 χ^2/NDF: 68.1/69

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.002+/-0.007 χ^2/NDF:47.4/59

All: 0.004+/-0.005 χ^2/NDF: 113.3/116

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: 36.163+/-0.007 χ^2/NDF: 4935292.2/35

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

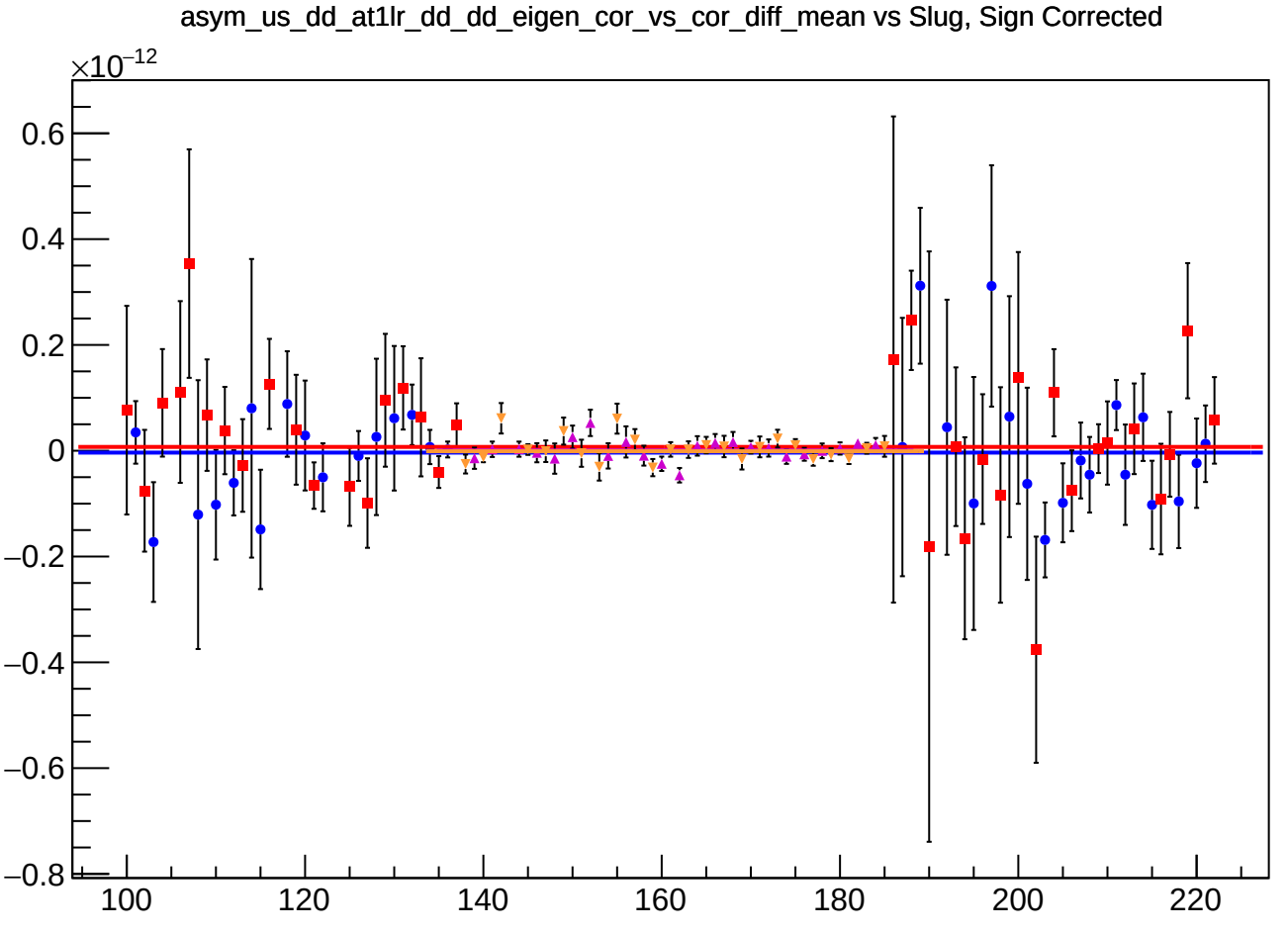
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.085+/-0.005 χ^2/NDF: 7368264.2/69

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.695+/-0.005 χ^2/NDF:7110766.9/59

All: 39.689+/-0.004 χ^2/NDF: 10873969.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.0/35

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

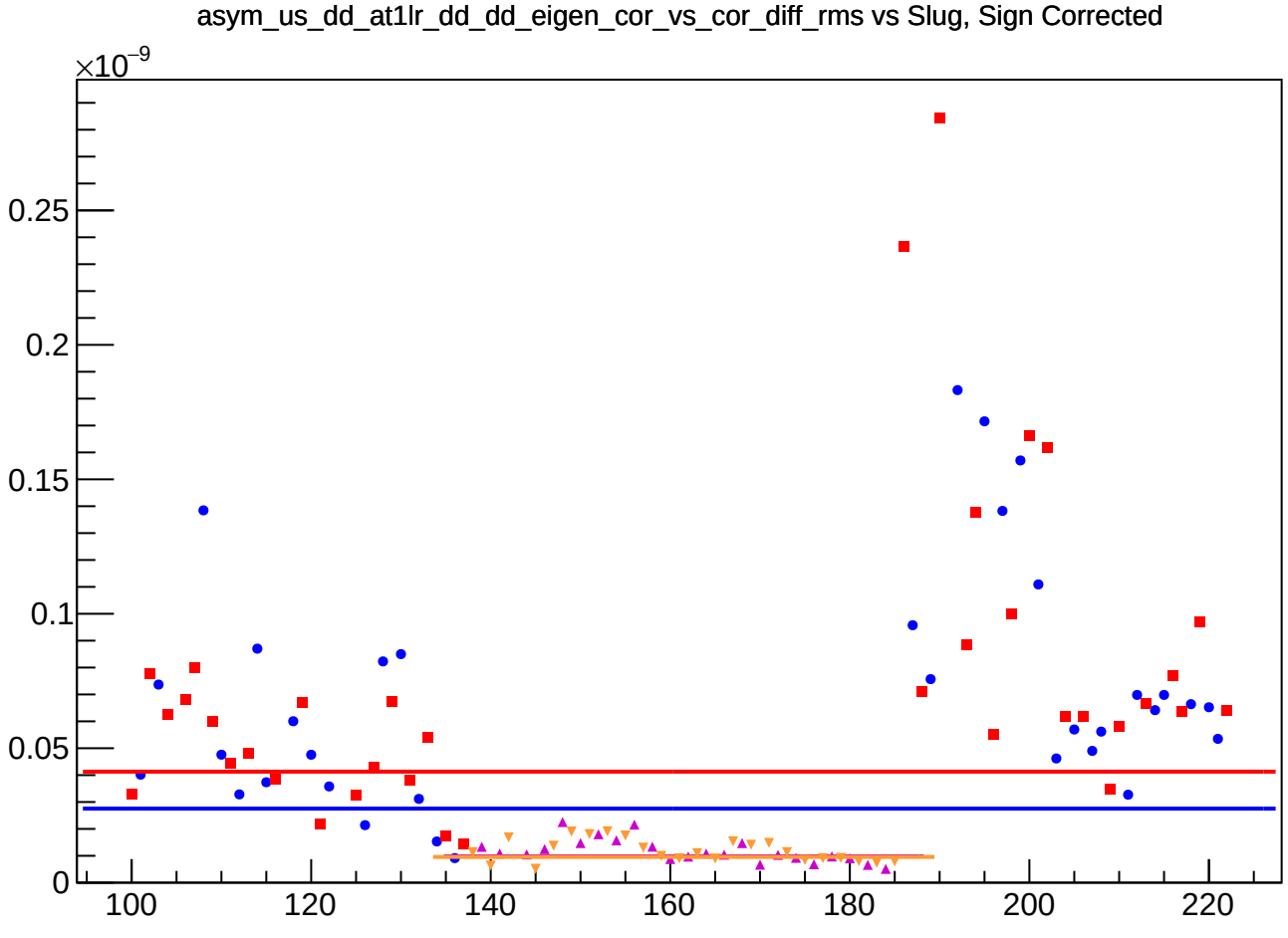
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 68.8/69

In: 0.000+/-0.000 χ^2/NDF:59.8/56

Out: -0.000+/-0.000 χ^2/NDF:66.9/59

All: -0.000+/-0.000 χ^2/NDF: 126.7/116



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: 7798054.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

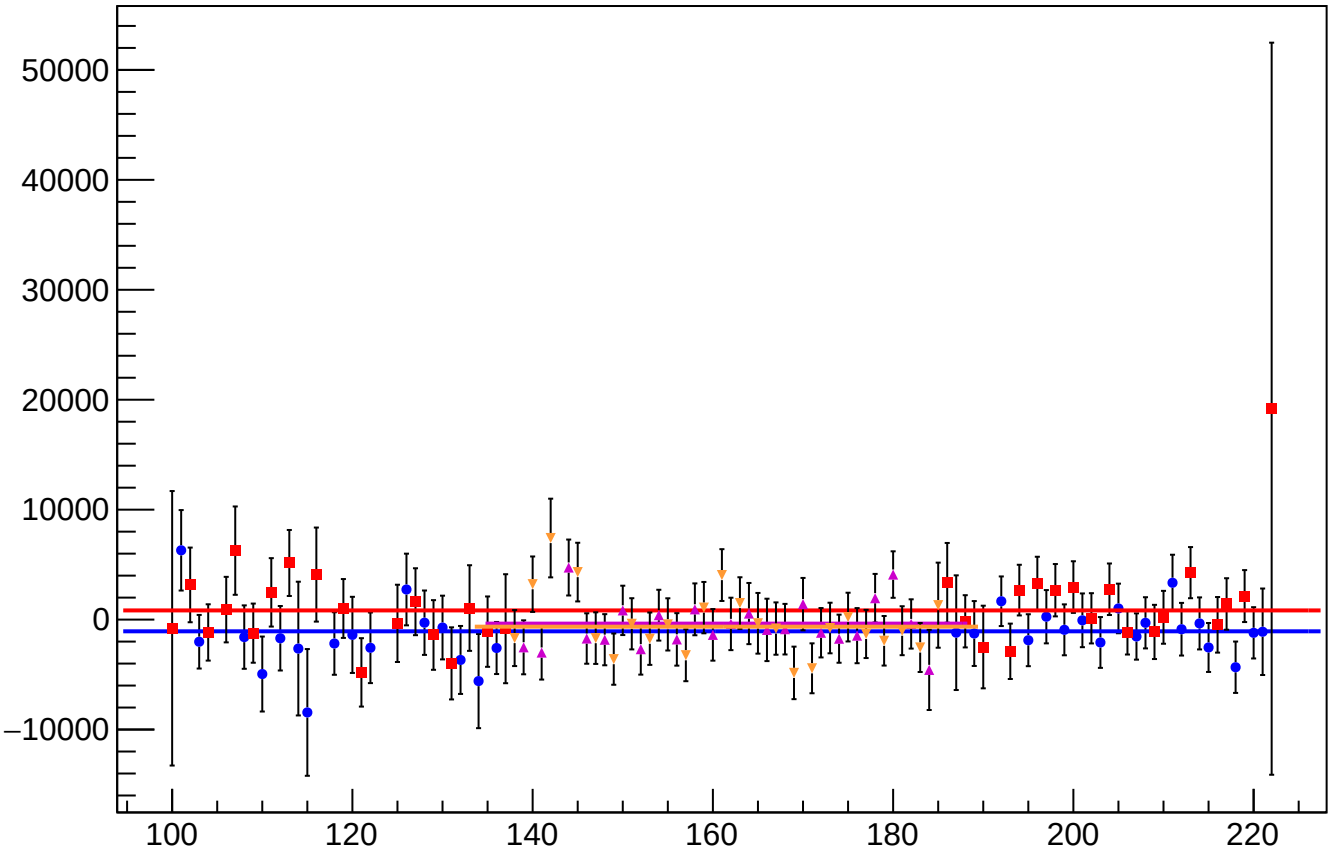
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 21186931.4/69

In: 0.000+/-0.000 χ^2/NDF:19873786.7/56

Out: 0.000+/-0.000 χ^2/NDF:20867344.9/59

All: 0.000+/-0.000 χ^2/NDF: 40748205.5/116



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: 834.752+/-470.241 χ^2/NDF: 25.4/35

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

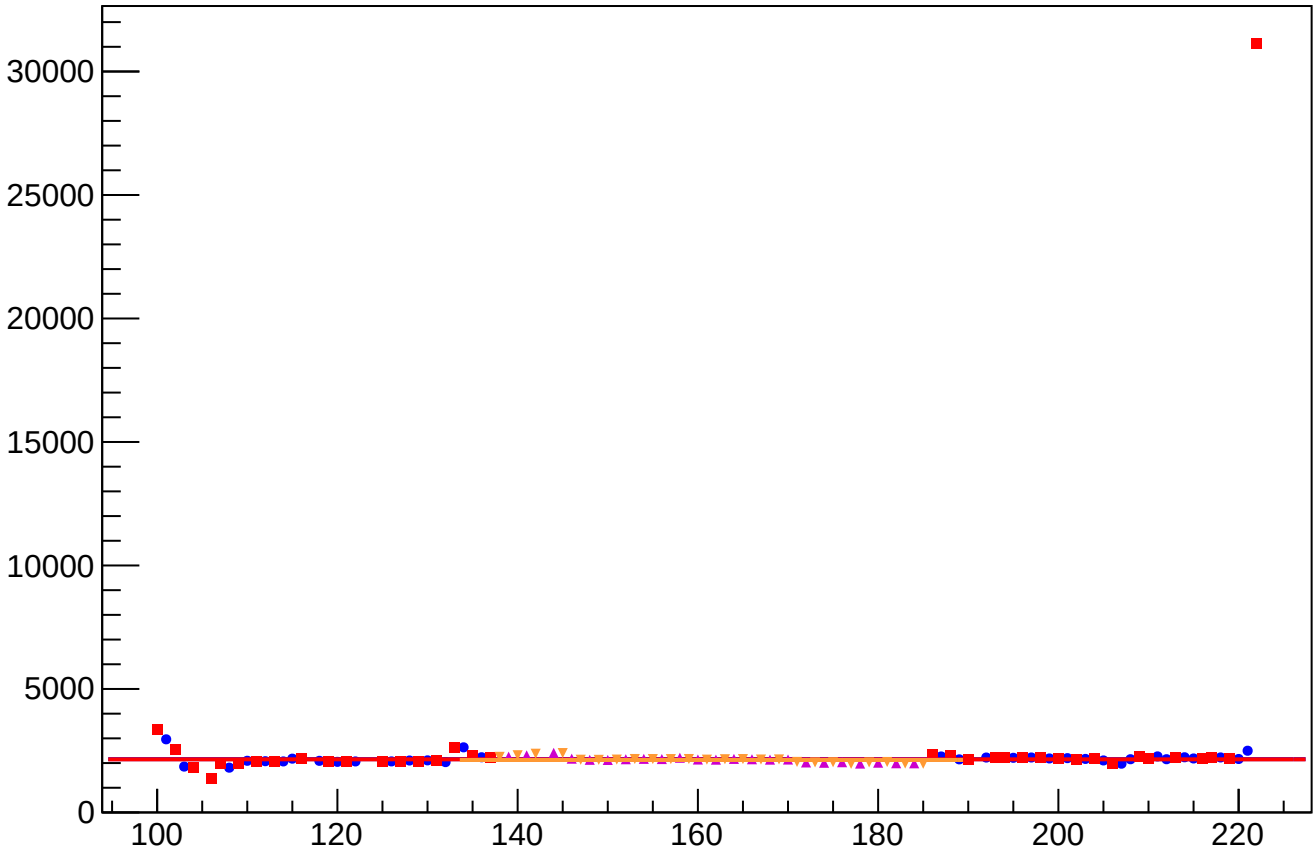
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -121.226+/-331.480 χ^2/NDF: 53.7/69

In: -738.197+/-340.750 χ^2/NDF:38.5/56

Out: 131.404+/-340.496 χ^2/NDF:57.2/59

All: -303.072+/-240.857 χ^2/NDF: 98.9/116



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: 2150.431+/-0.333 χ^2/NDF: 1835889.6/35

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

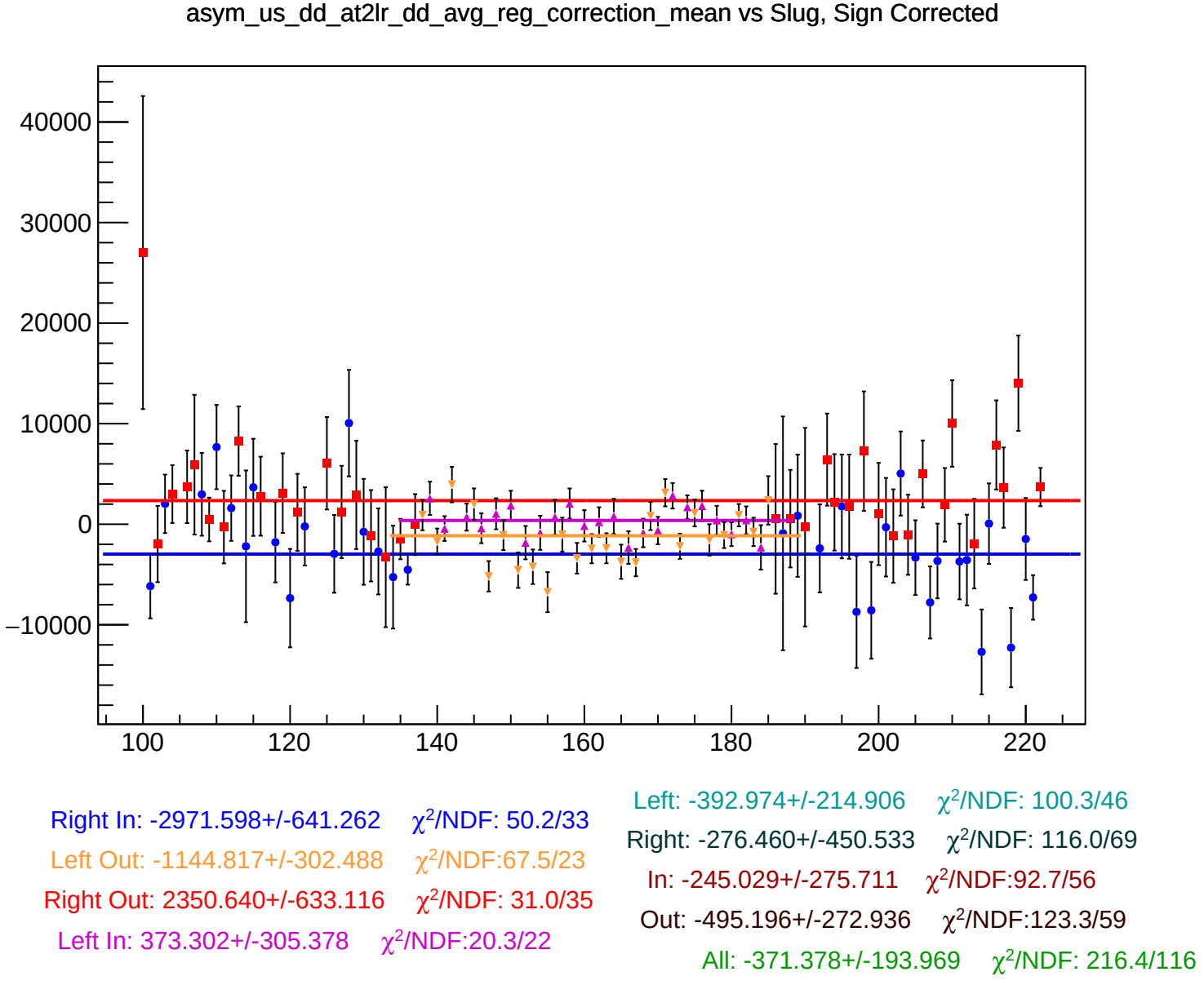
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

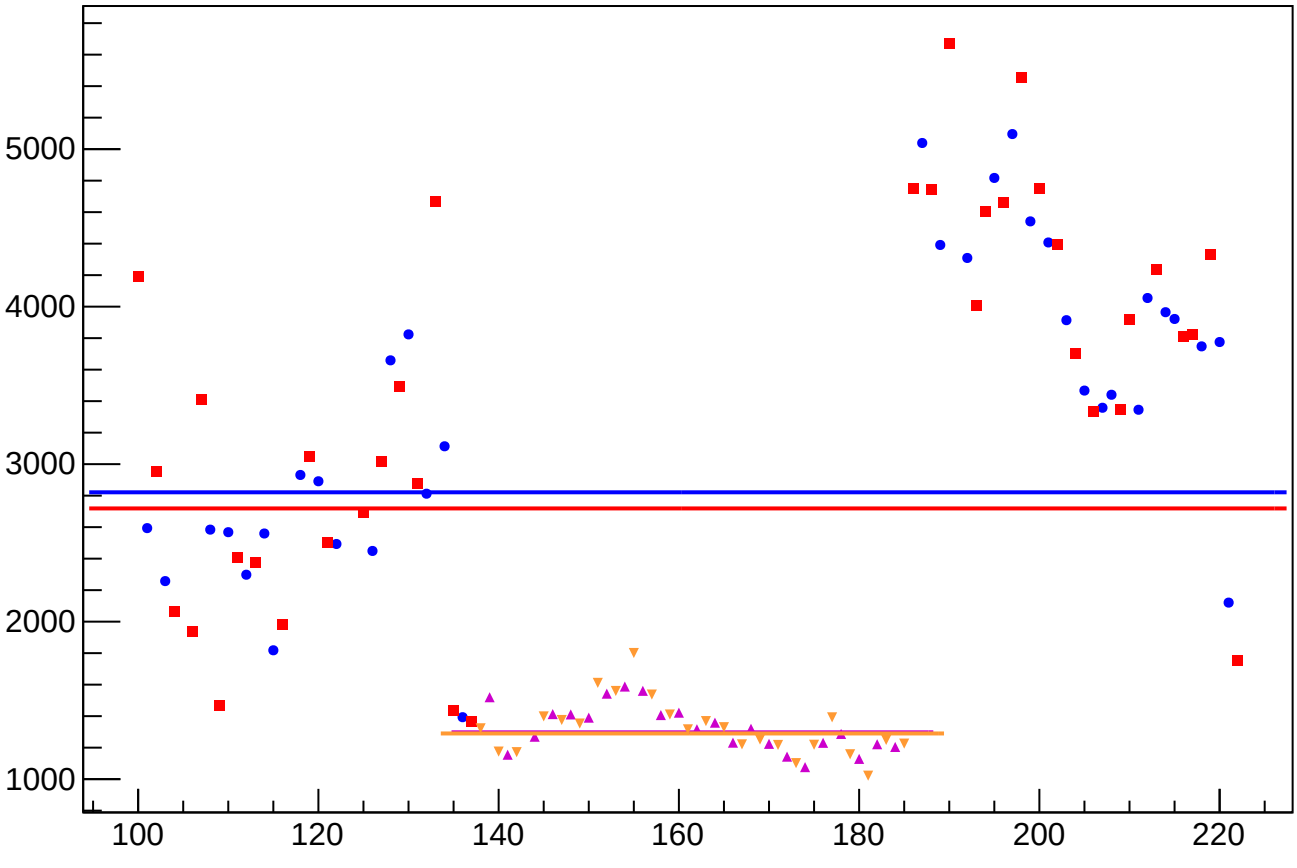
Right: 2154.474+/-0.234 χ^2/NDF: 2077437.6/69

In: 2145.085+/-0.241 χ^2/NDF:330109.5/56

Out: 2138.066+/-0.241 χ^2/NDF:1927980.8/59

All: 2141.573+/-0.170 χ^2/NDF: 2258514.9/11


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2971.598+/-641.262 χ²/NDF: 50.2/33
Left Out: -1144.817+/-302.488 χ²/NDF:67.5/23
Right Out: 2350.640+/-633.116 χ²/NDF: 31.0/35
Left In: 373.302+/-305.378 χ²/NDF:20.3/22
Left: -392.974+/-214.906 χ²/NDF: 100.3/46
Right: -276.460+/-450.533 χ²/NDF: 116.0/69
In: -245.029+/-275.711 χ²/NDF:92.7/56
Out: -495.196+/-272.936 χ²/NDF:123.3/59
All: -371.378+/-193.969 χ²/NDF: 216.4/116



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: 2718.821+/-0.448 χ^2/NDF: 6532838.5/35

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

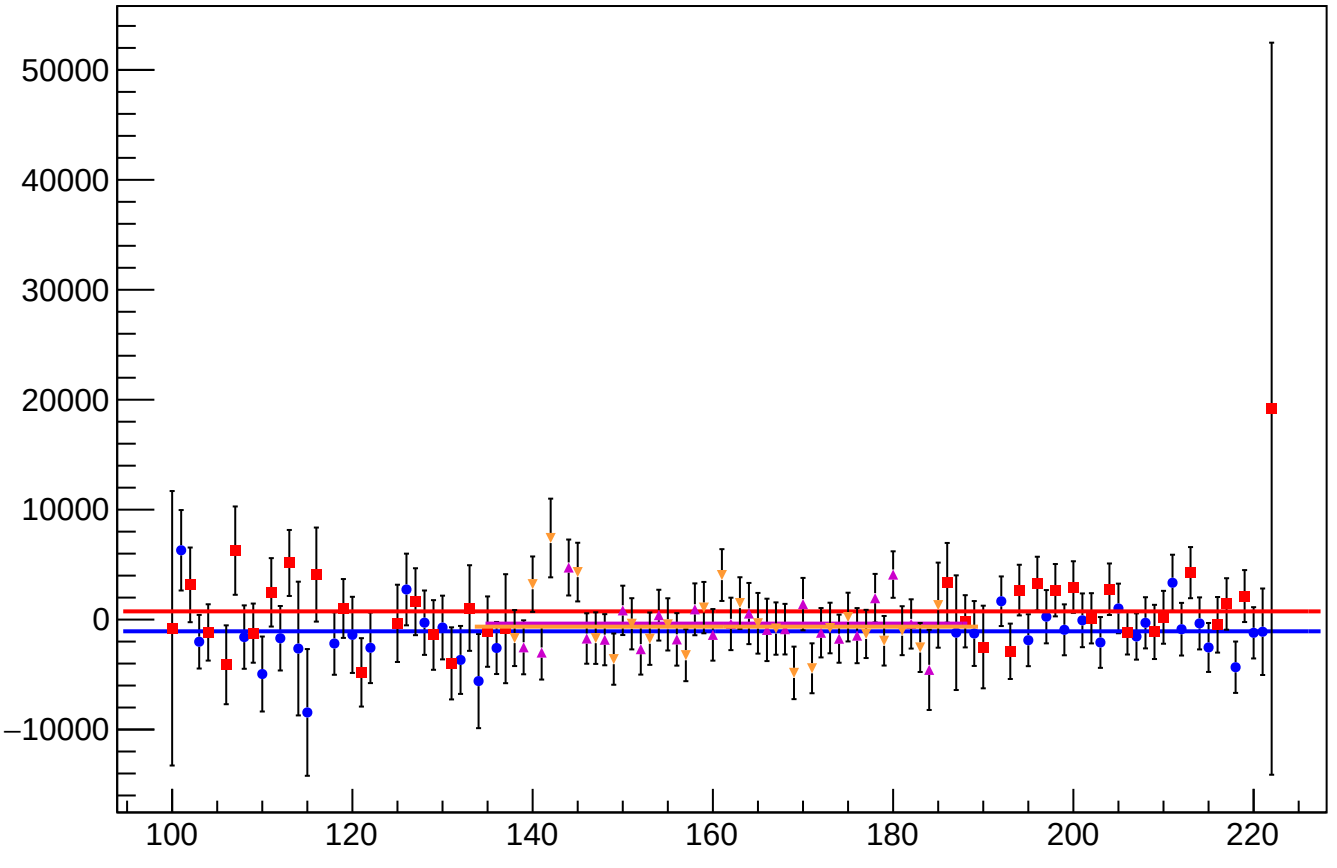
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2769.370+/-0.319 χ^2/NDF: 11558351.1/69

In: 1579.136+/-0.195 χ^2/NDF:14638883.8/56

Out: 1555.566+/-0.193 χ^2/NDF:15393702.2/59

All: 1567.232+/-0.137 χ^2/NDF: 30039967.9/1



Right In: -1065.449+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 747.340+/-472.066 χ^2/NDF: 27.2/35

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

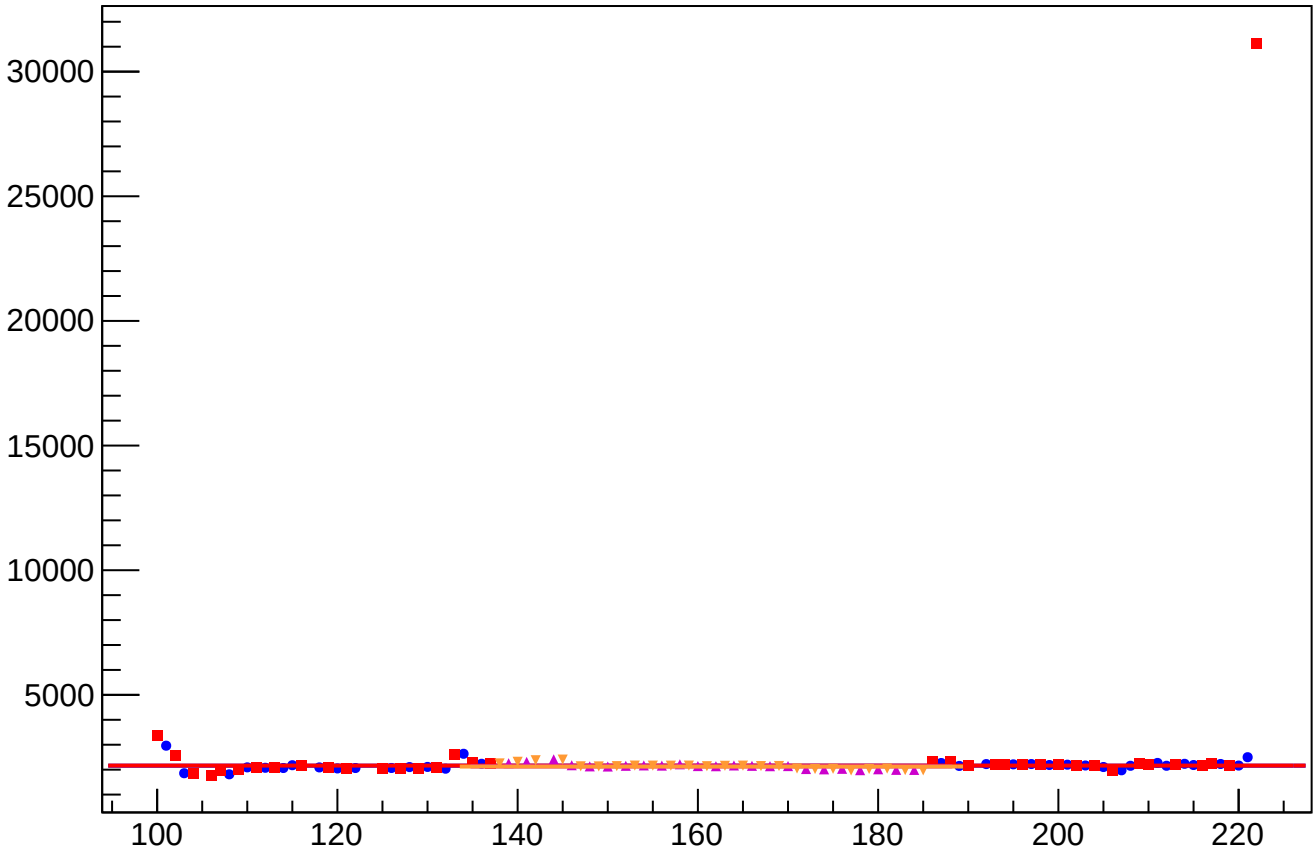
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -168.176+/-332.117 χ^2/NDF: 54.8/69

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 82.951+/-341.187 χ^2/NDF:58.5/59

All: -328.126+/-241.101 χ^2/NDF: 99.9/116



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: 2163.416+/-0.334 χ^2/NDF: 1718143.3/35

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

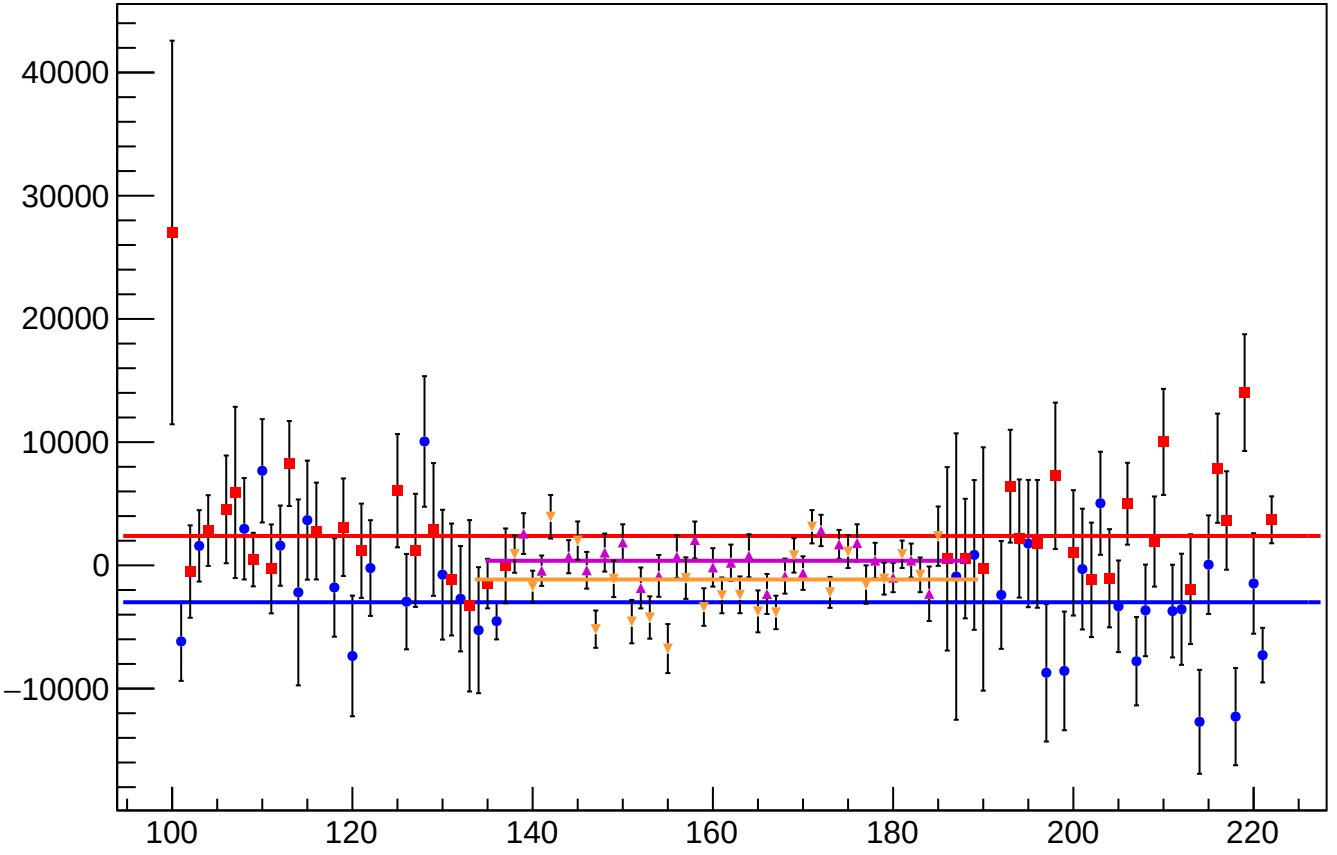
Right: 2160.916+/-0.235 χ^2/NDF: 1959508.8/69

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2144.798+/-0.241 χ^2/NDF:1813840.2/59

All: 2144.942+/-0.170 χ^2/NDF: 2143950.7/11

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2992.259+/-641.156 χ^2/NDF: 49.7/33

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 2385.600+/-635.949 χ^2/NDF: 30.3/35

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

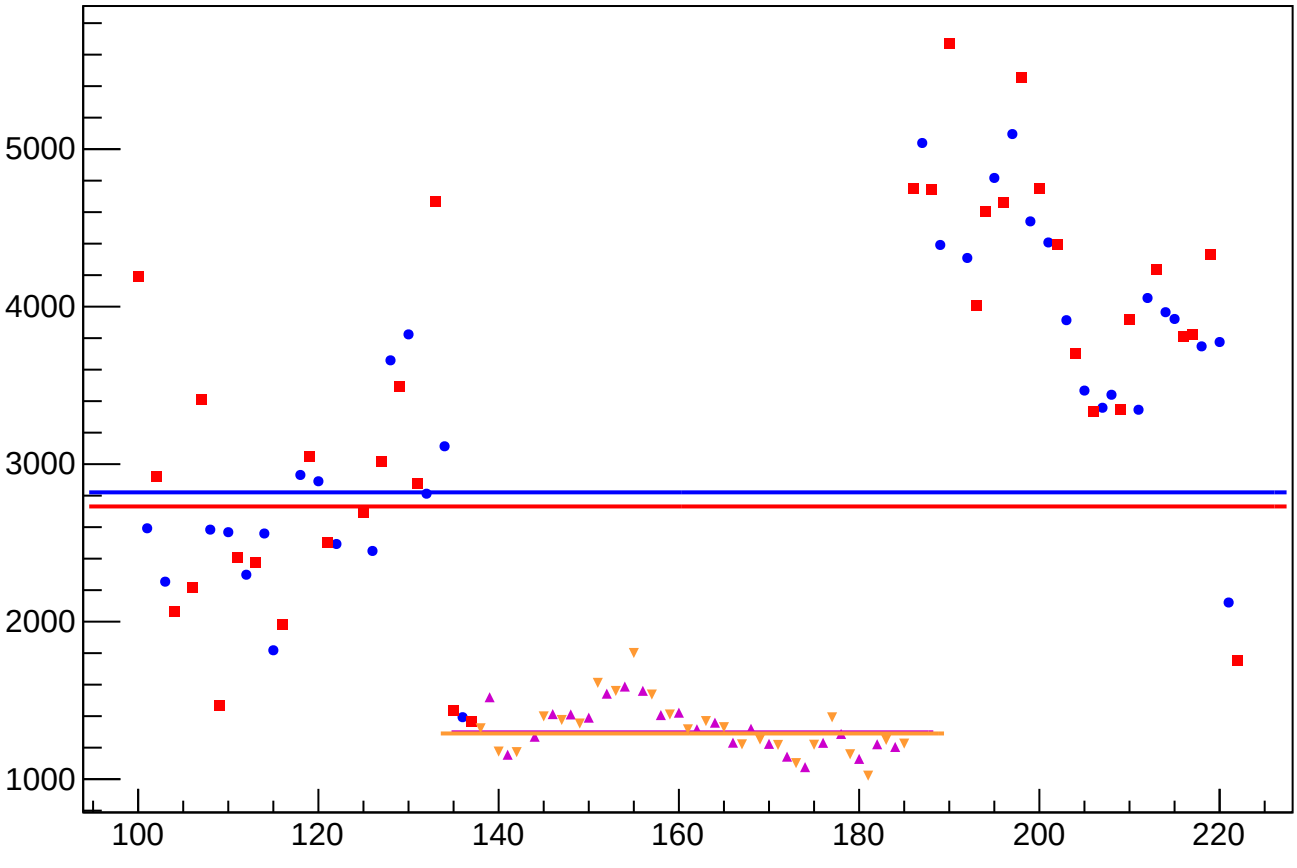
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -281.402+/-451.514 χ^2/NDF: 115.5/69

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -493.417+/-273.164 χ^2/NDF:123.0/59

All: -372.395+/-194.048 χ^2/NDF: 215.9/116



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: 2731.376+/-0.450 χ^2/NDF: 6464868.1/35

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

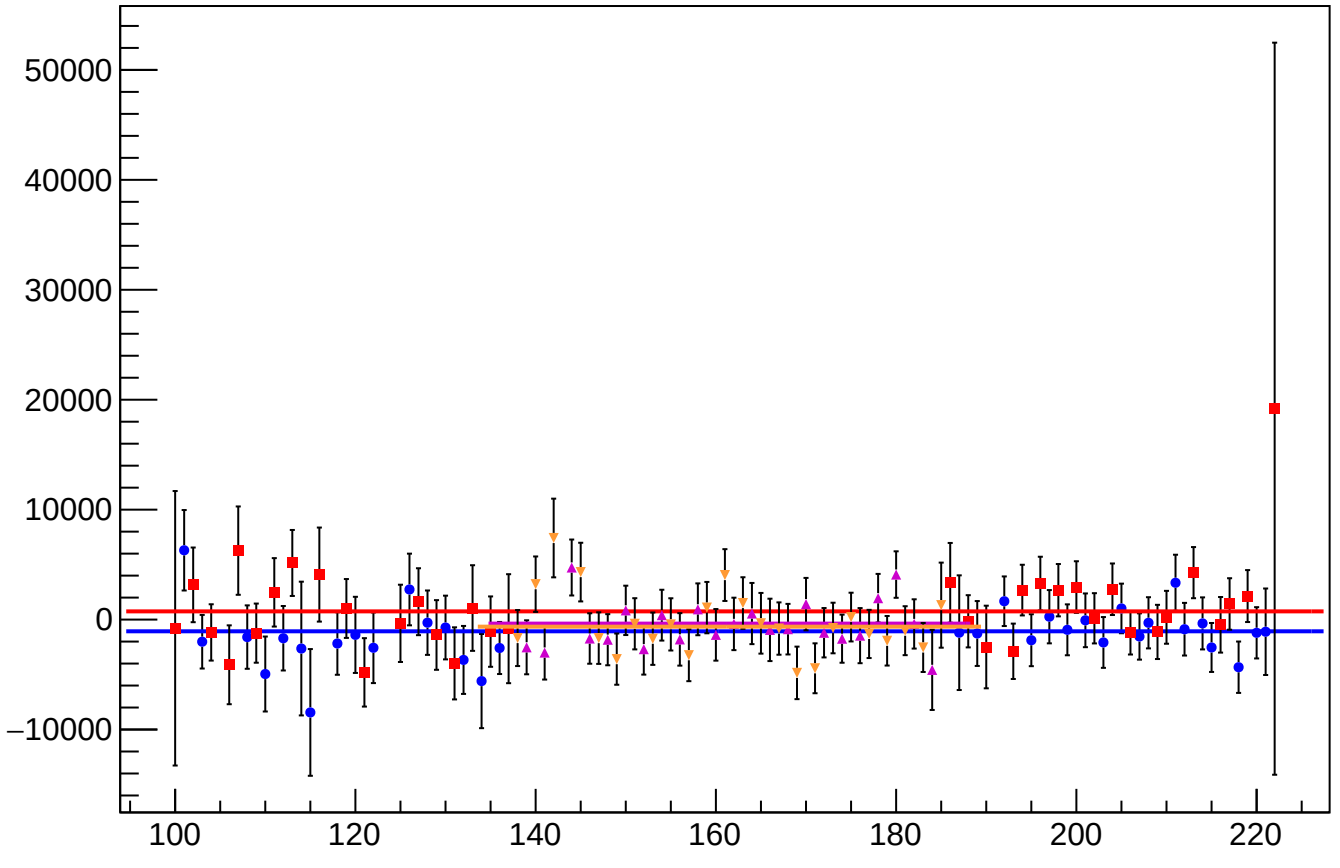
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2775.772+/-0.319 χ^2/NDF: 11485294.5/69

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1555.970+/-0.193 χ^2/NDF:15410707.9/59

All: 1567.455+/-0.137 χ^2/NDF: 30056274.6/



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: 747.340+/-472.066 χ^2/NDF: 27.2/35

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

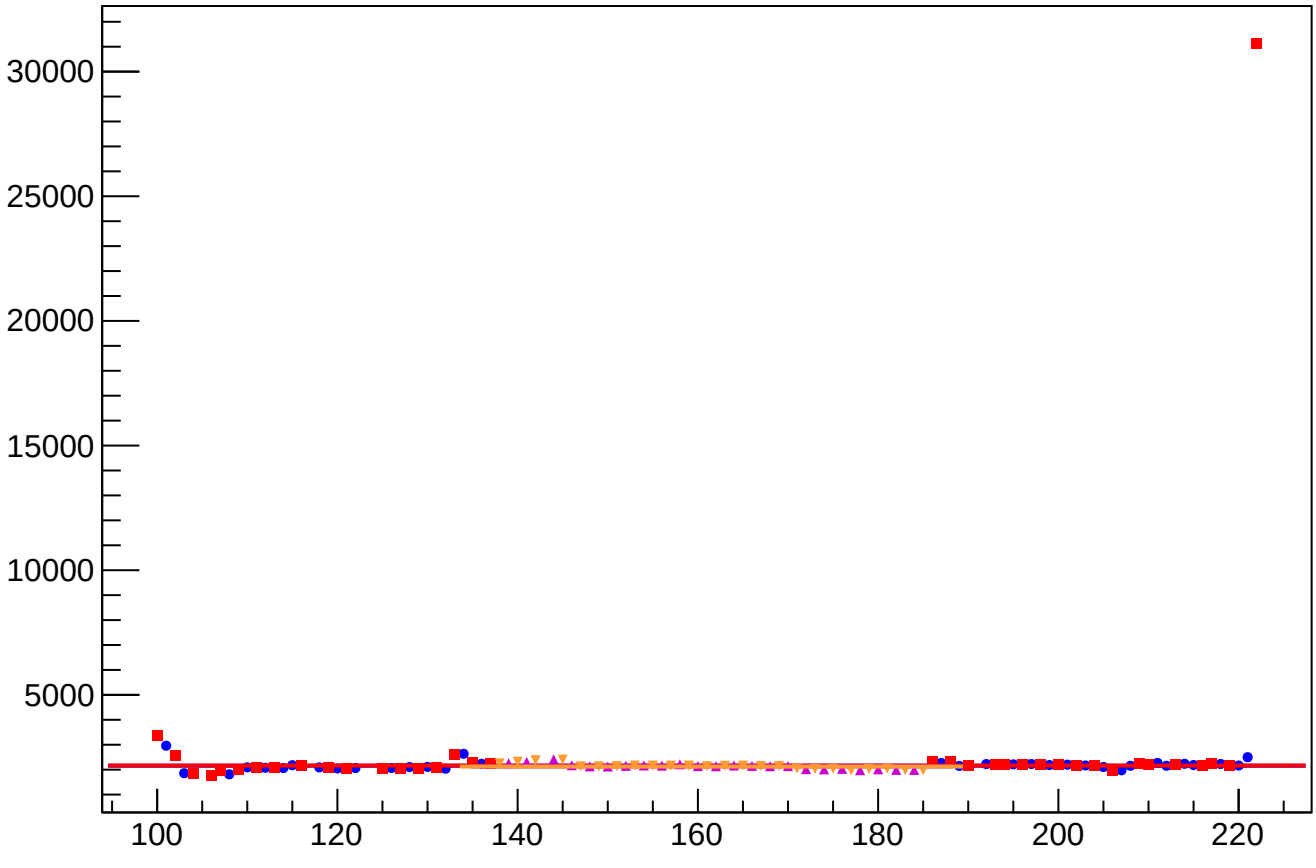
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -168.176+/-332.117 χ^2/NDF: 54.8/69

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 82.951+/-341.187 χ^2/NDF:58.5/59

All: -328.126+/-241.101 χ^2/NDF: 99.9/116



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: 2163.416+/-0.334 χ^2/NDF: 1718143.3/35

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

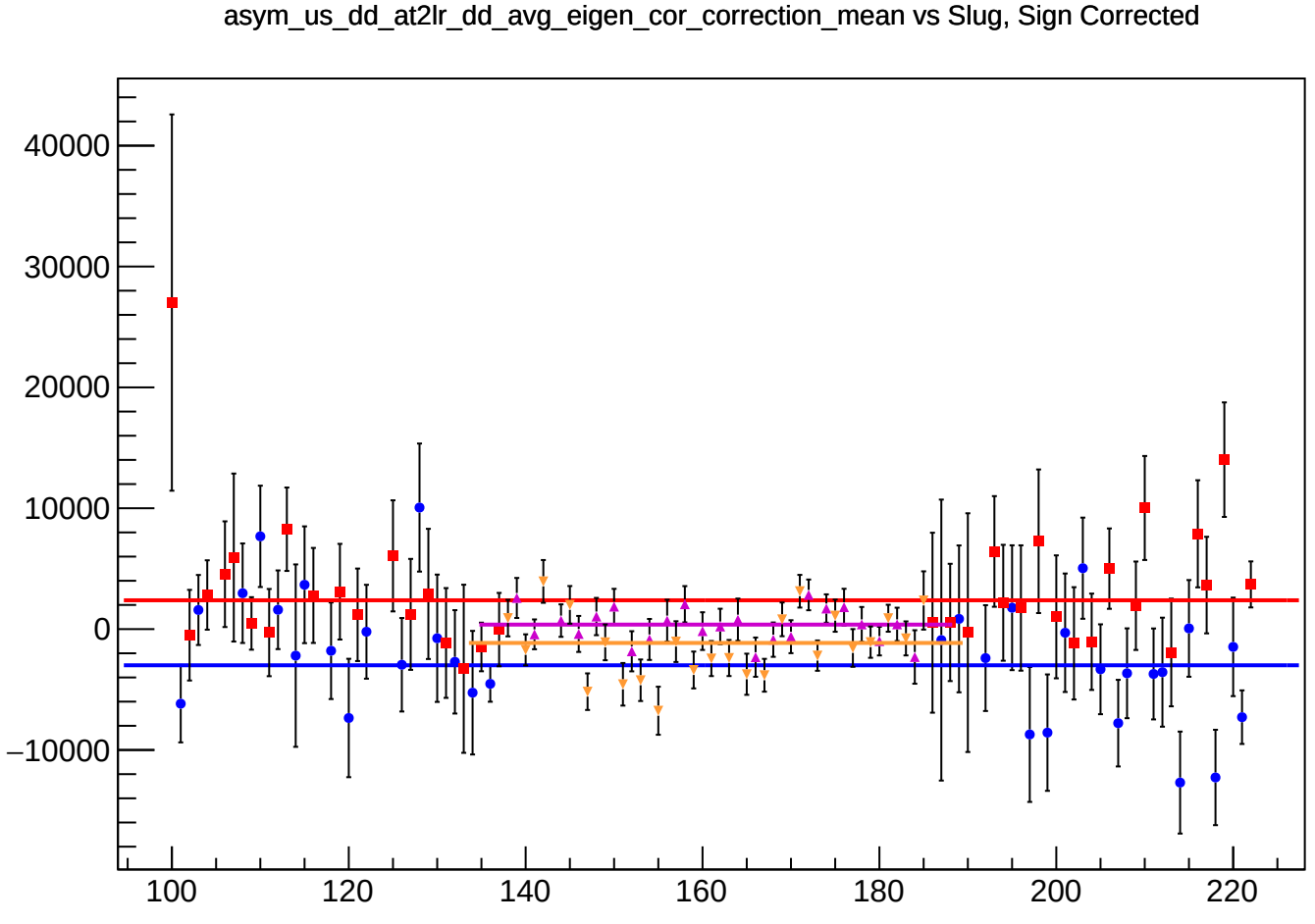
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2160.916+/-0.235 χ^2/NDF: 1959508.8/69

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2144.798+/-0.241 χ^2/NDF:1813840.2/59

All: 2144.942+/-0.170 χ^2/NDF: 2143950.7/11



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: 2385.600+/-635.949 χ^2/NDF: 30.3/35

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

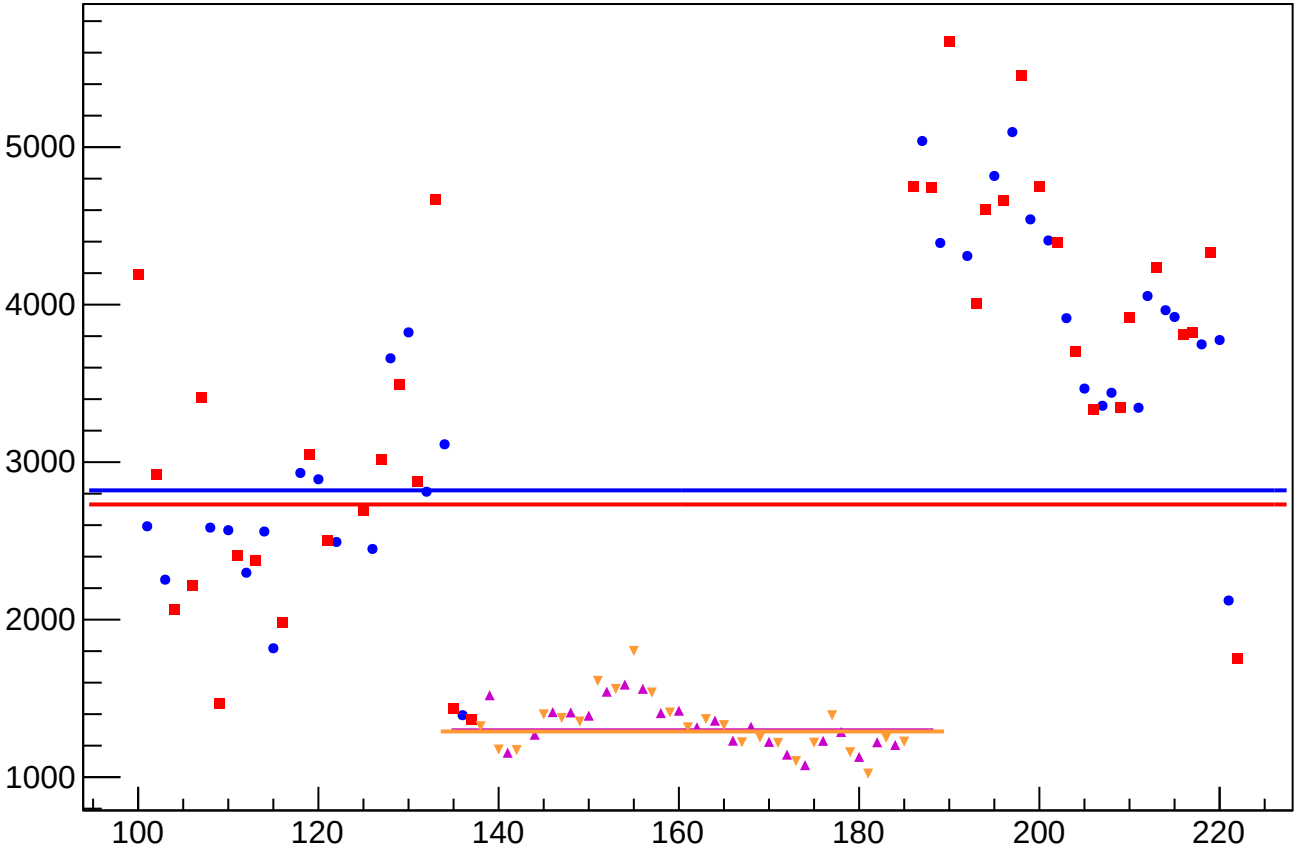
Right: -281.402+/-451.514 χ^2/NDF: 115.5/69

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -493.417+/-273.164 χ^2/NDF:123.0/59

All: -372.395+/-194.048 χ^2/NDF: 215.9/116

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: 2731.376+/-0.450 χ^2/NDF: 6464868.1/35

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

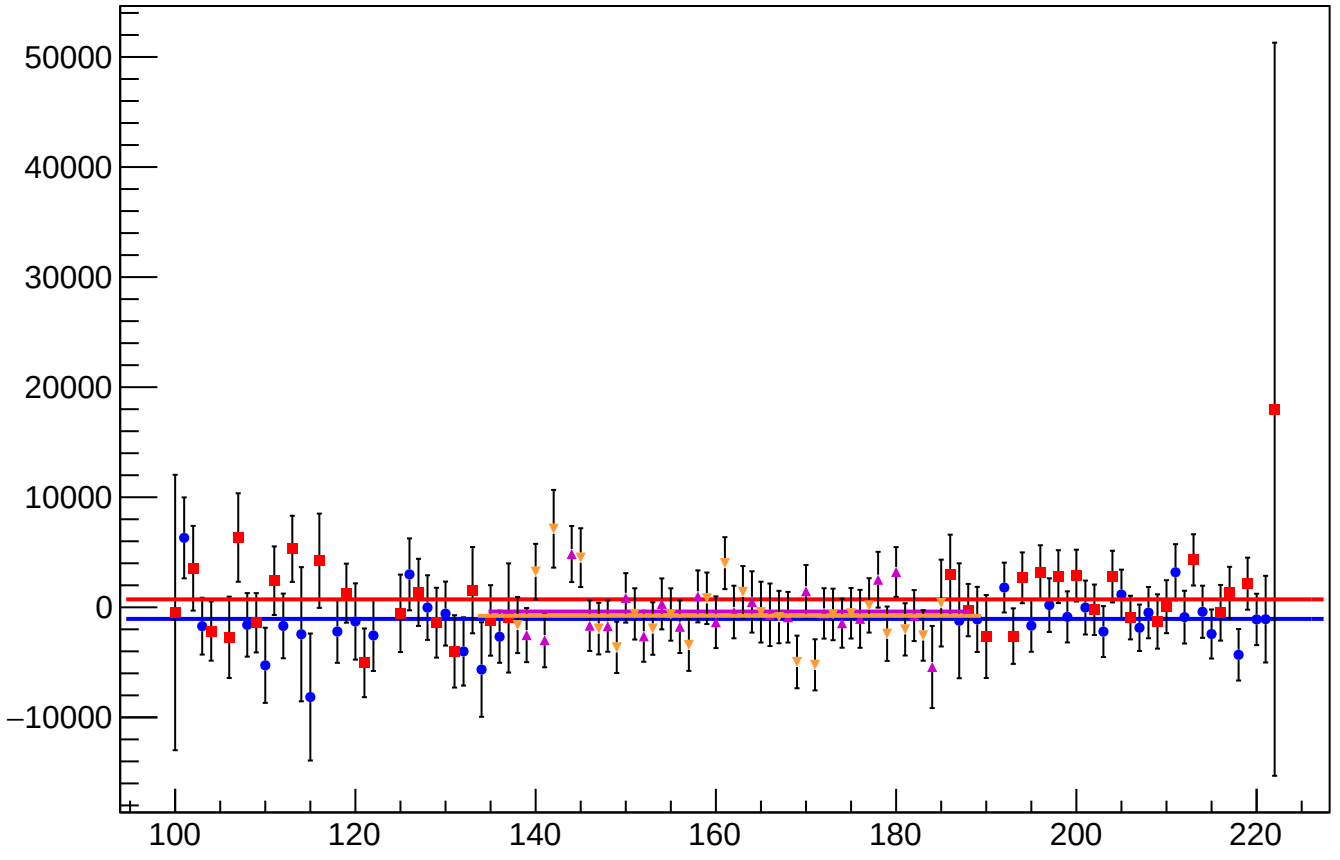
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2775.772+/-0.319 χ^2/NDF: 11485294.5/69

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1555.970+/-0.193 χ^2/NDF:15410707.9/59

All: 1567.455+/-0.137 χ^2/NDF: 30056274.6/



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: 723.228+/-474.954 χ^2/NDF: 27.2/35

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

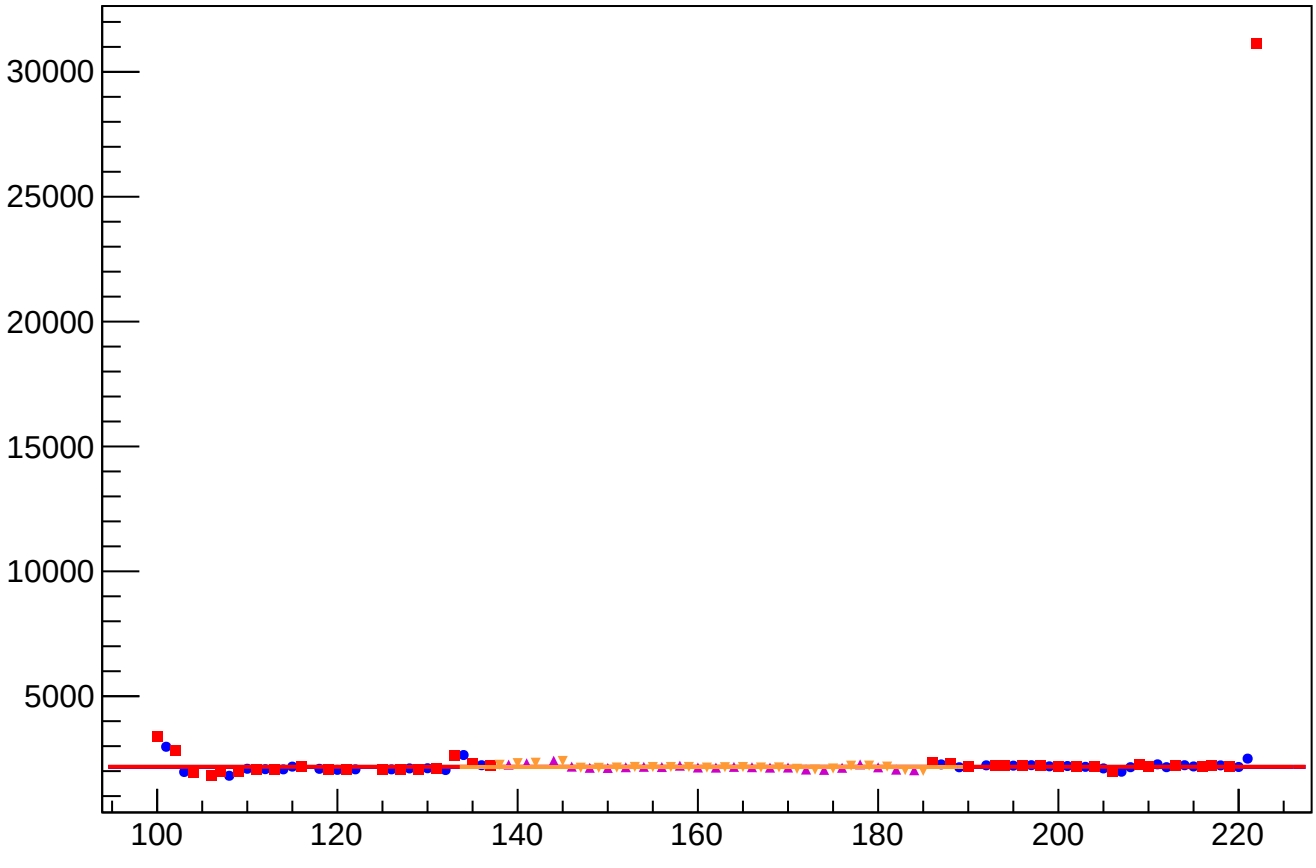
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -175.990+/-333.737 χ^2/NDF: 54.8/69

In: -744.432+/-344.007 χ^2/NDF:37.1/56

Out: 17.442+/-345.273 χ^2/NDF:60.5/59

All: -364.895+/-243.696 χ^2/NDF: 100.0/116



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: 2174.700+/-0.336 χ^2/NDF: 1724967.7/35

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

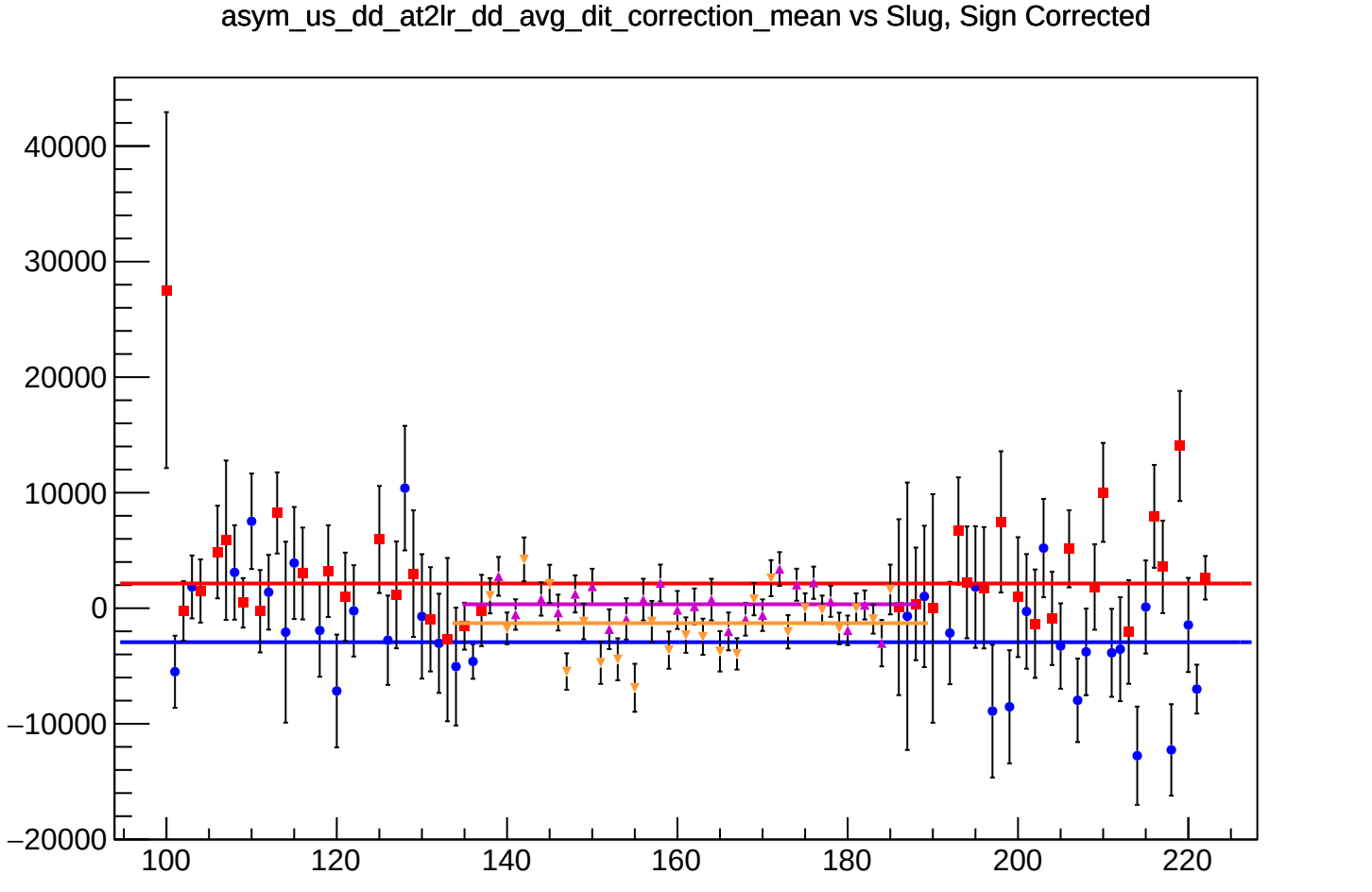
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2170.700+/-0.236 χ^2/NDF: 1949766.1/69

In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2169.906+/-0.244 χ^2/NDF:1776076.1/59

All: 2168.078+/-0.172 χ^2/NDF: 2052836.0/11



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: 2141.479+/-625.039 χ^2/NDF: 30.6/35

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

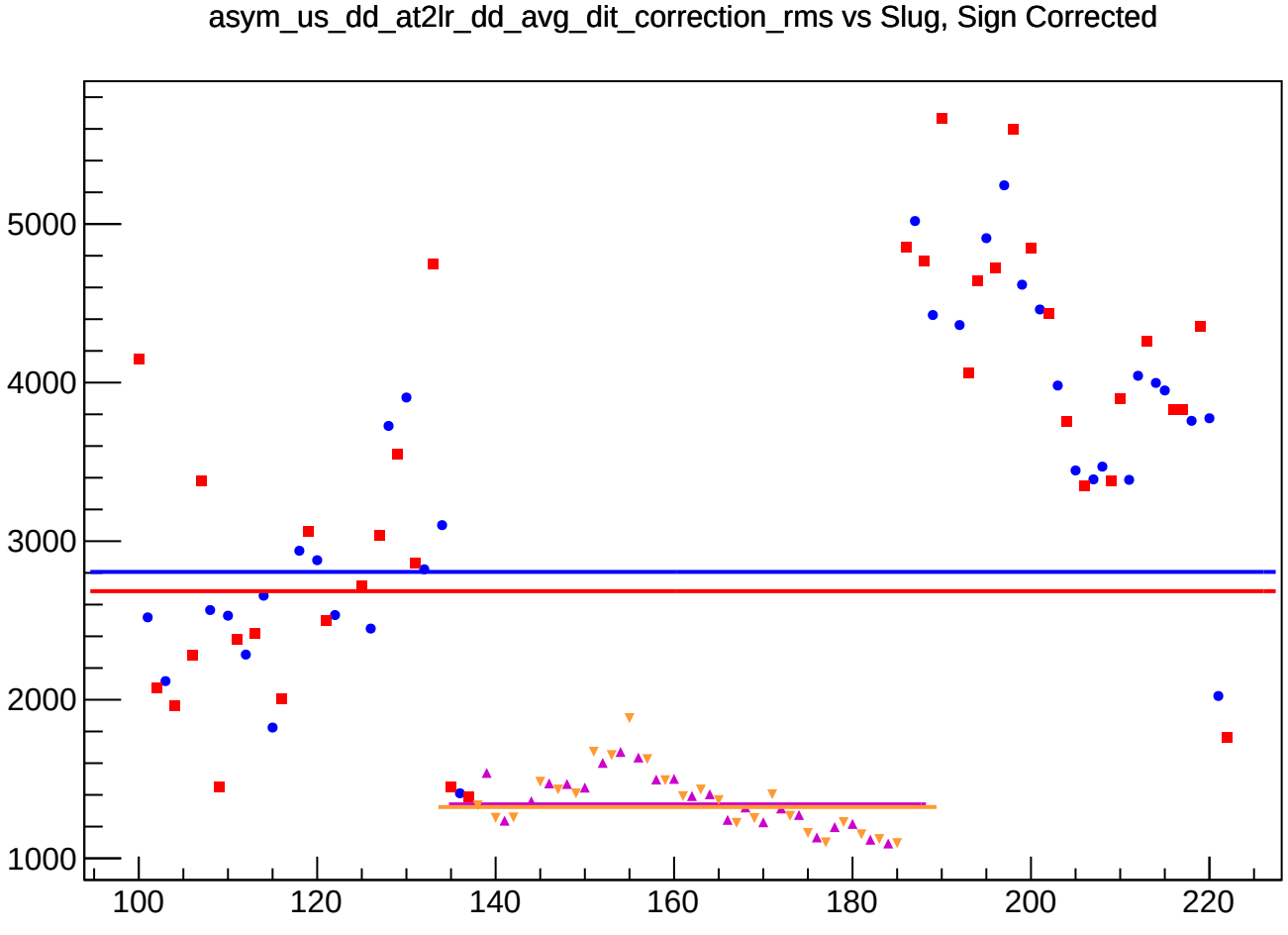
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -341.592+/-446.973 χ^2/NDF: 113.1/69

In: -301.448+/-282.982 χ^2/NDF:96.1/56

Out: -613.347+/-278.166 χ^2/NDF:113.5/59

All: -460.074+/-198.374 χ^2/NDF: 210.2/116



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: 2684.634+/-0.442 χ^2/NDF: 6726063.6/35

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

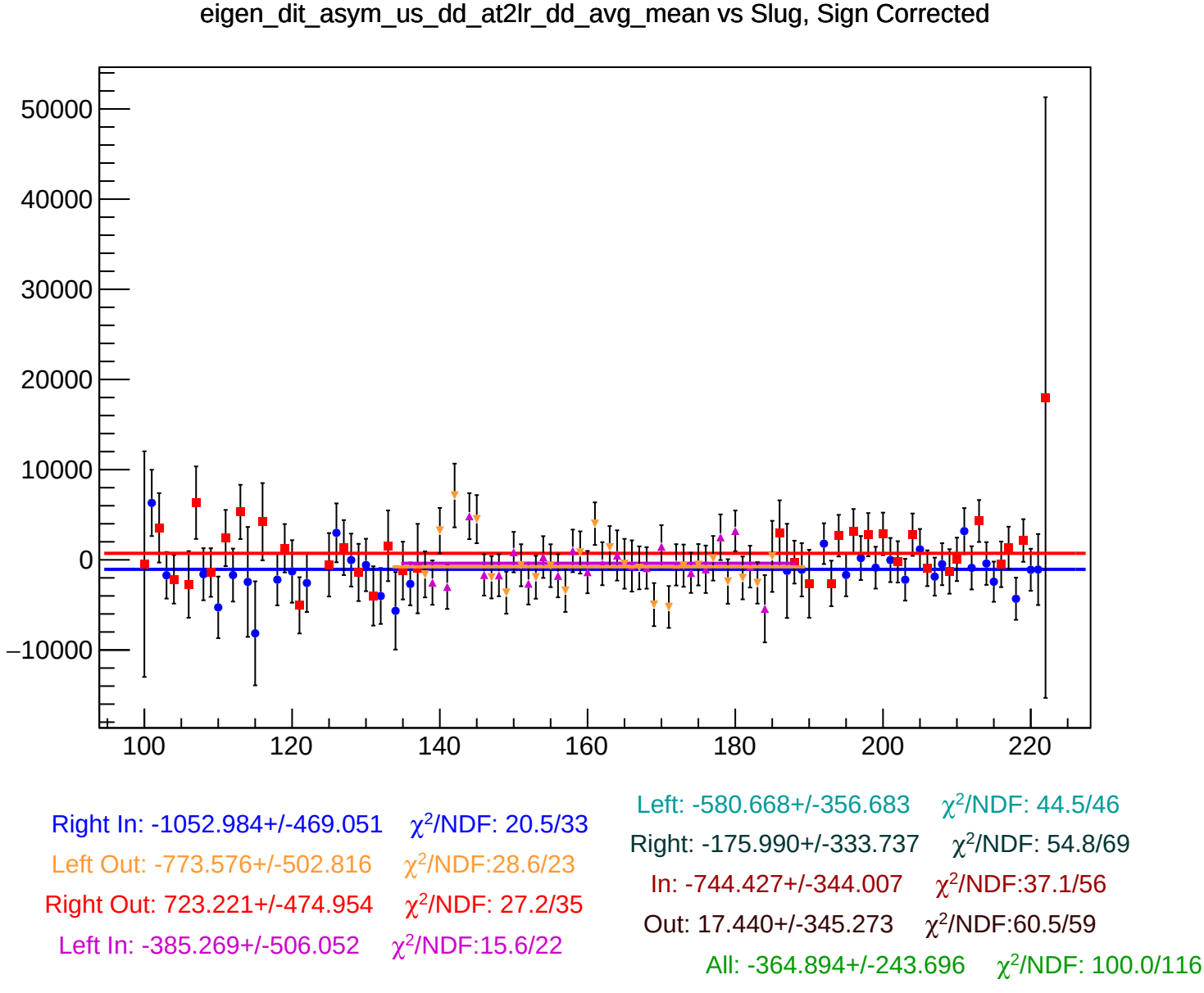
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

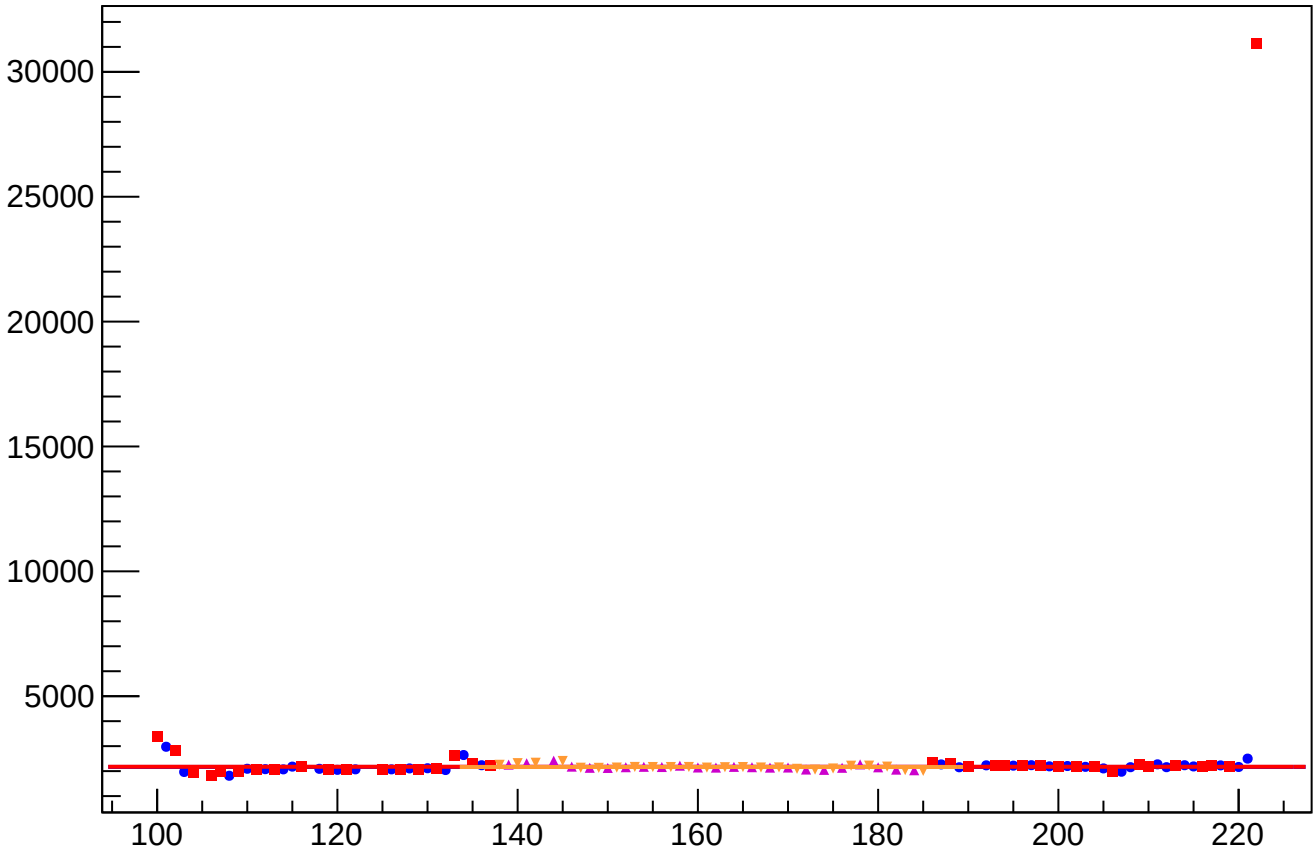
Right: 2744.029+/-0.316 χ^2/NDF: 11954620.9/69

In: 1627.221+/-0.200 χ^2/NDF:14140662.7/56

Out: 1593.006+/-0.197 χ^2/NDF:14997095.7/59

All: 1609.820+/-0.140 χ^2/NDF: 29152628.3/


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -1052.984+/-469.051 χ²/NDF: 20.5/33
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 723.221+/-474.954 χ²/NDF: 27.2/35
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -175.990+/-333.737 χ²/NDF: 54.8/69
In: -744.427+/-344.007 χ²/NDF:37.1/56
Out: 17.440+/-345.273 χ²/NDF:60.5/59
All: -364.894+/-243.696 χ²/NDF: 100.0/116



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: 2174.700+/-0.336 χ^2/NDF: 1724967.6/35

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

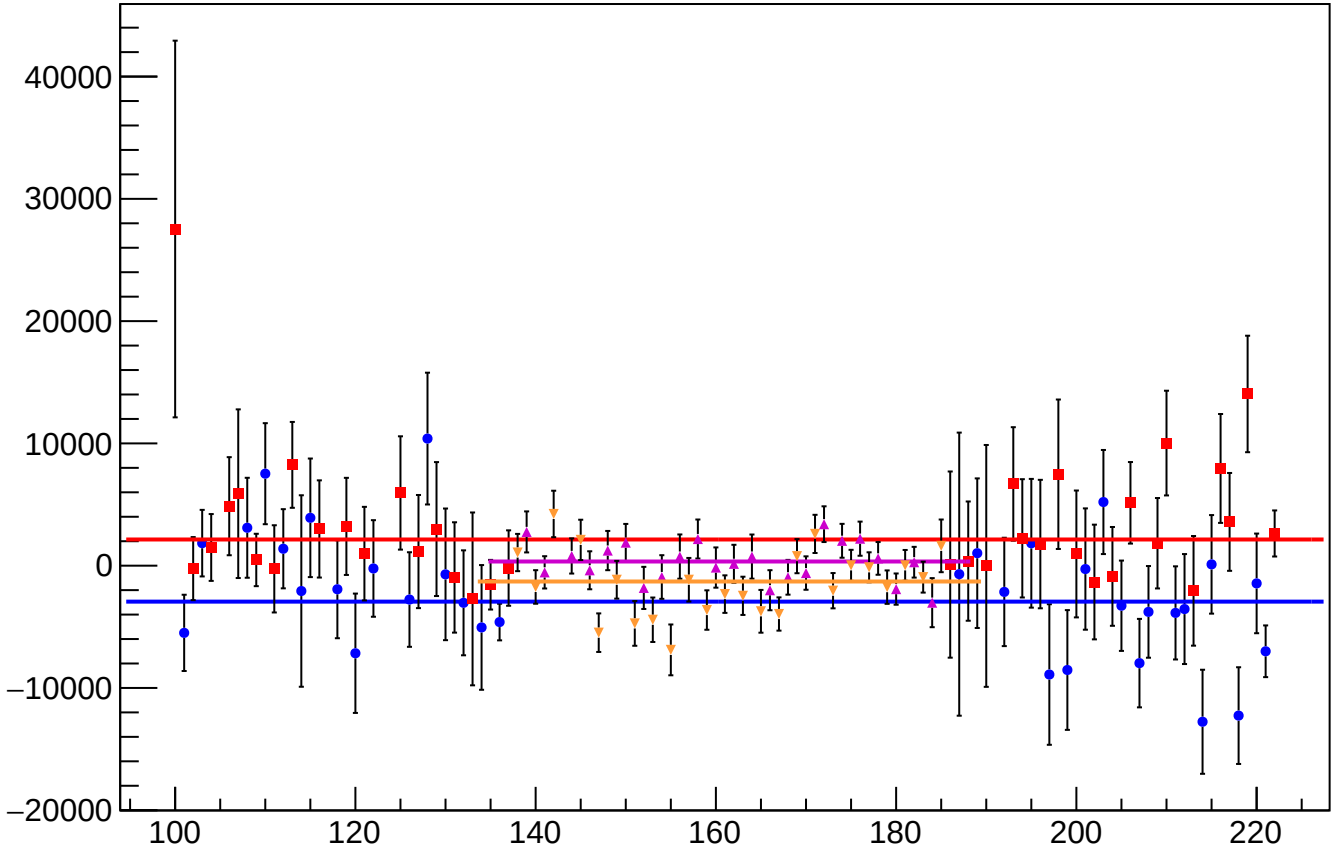
Right: 2170.700+/-0.236 χ^2/NDF: 1949766.0/69

In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2169.905+/-0.244 χ^2/NDF:1776076.1/59

All: 2168.078+/-0.172 χ^2/NDF: 2052836.0/11

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 2141.490+/-625.040 χ^2/NDF: 30.6/35

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

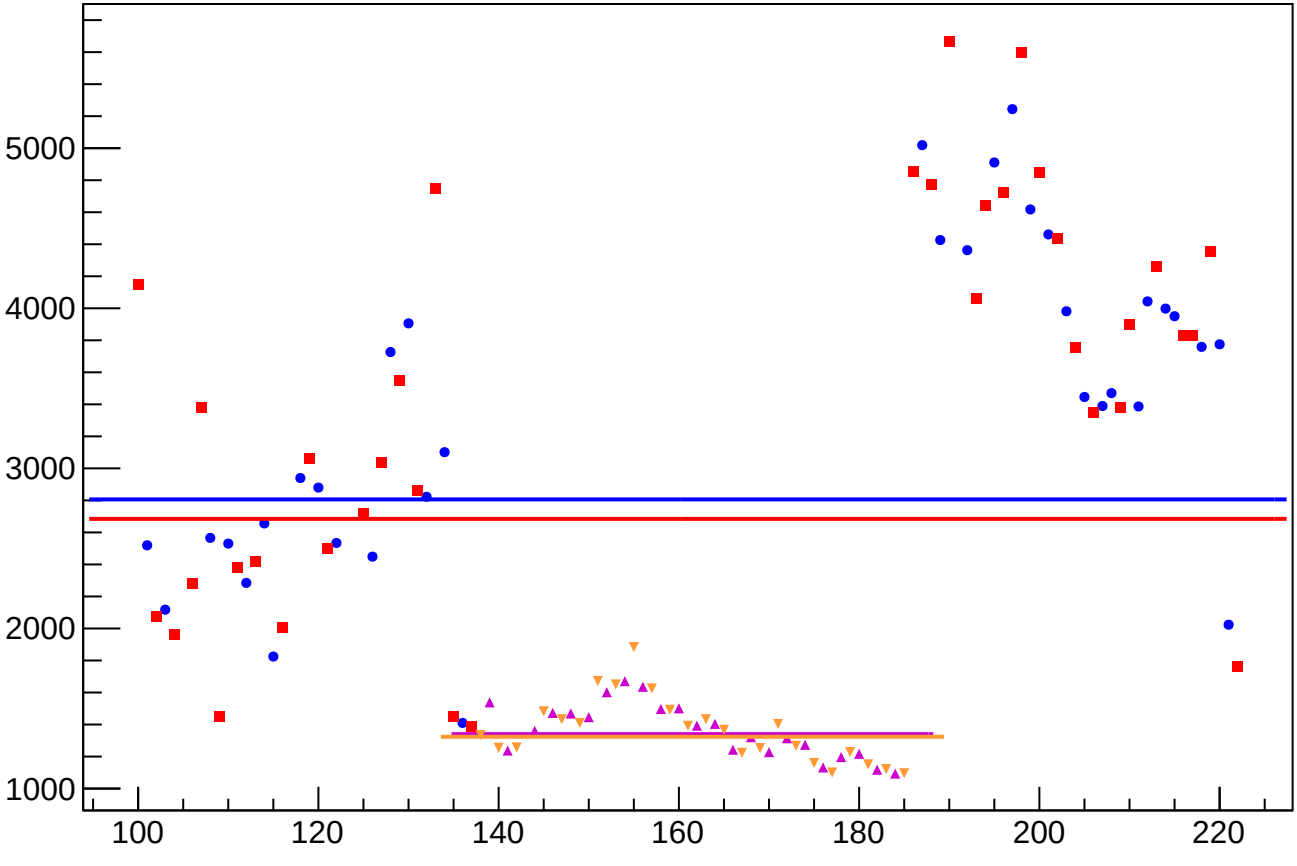
Right: -341.587+/-446.973 χ^2/NDF: 113.1/69

In: -301.447+/-282.982 χ^2/NDF:96.1/56

Out: -613.348+/-278.166 χ^2/NDF:113.5/59

All: -460.074+/-198.374 χ^2/NDF: 210.2/116

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: 2684.644+/-0.442 χ^2/NDF: 6725971.5/35

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

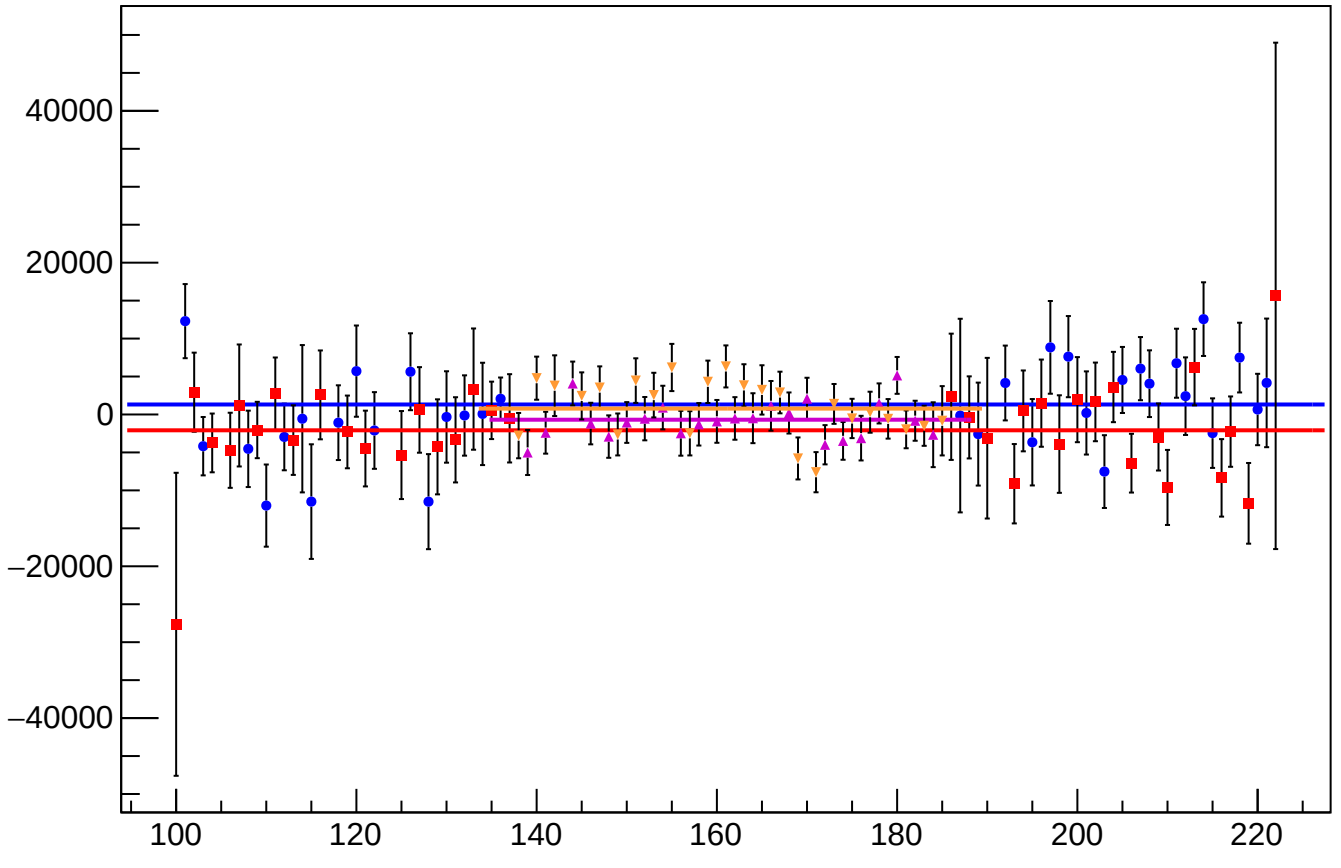
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2744.038+/-0.316 χ^2/NDF: 11954414.9/69

In: 1627.220+/-0.200 χ^2/NDF:14140653.9/56

Out: 1593.006+/-0.197 χ^2/NDF:14997084.4/59

All: 1609.820+/-0.140 χ^2/NDF: 29152607.0/1



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: -2085.180+/-879.660 χ^2/NDF: 23.8/35

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

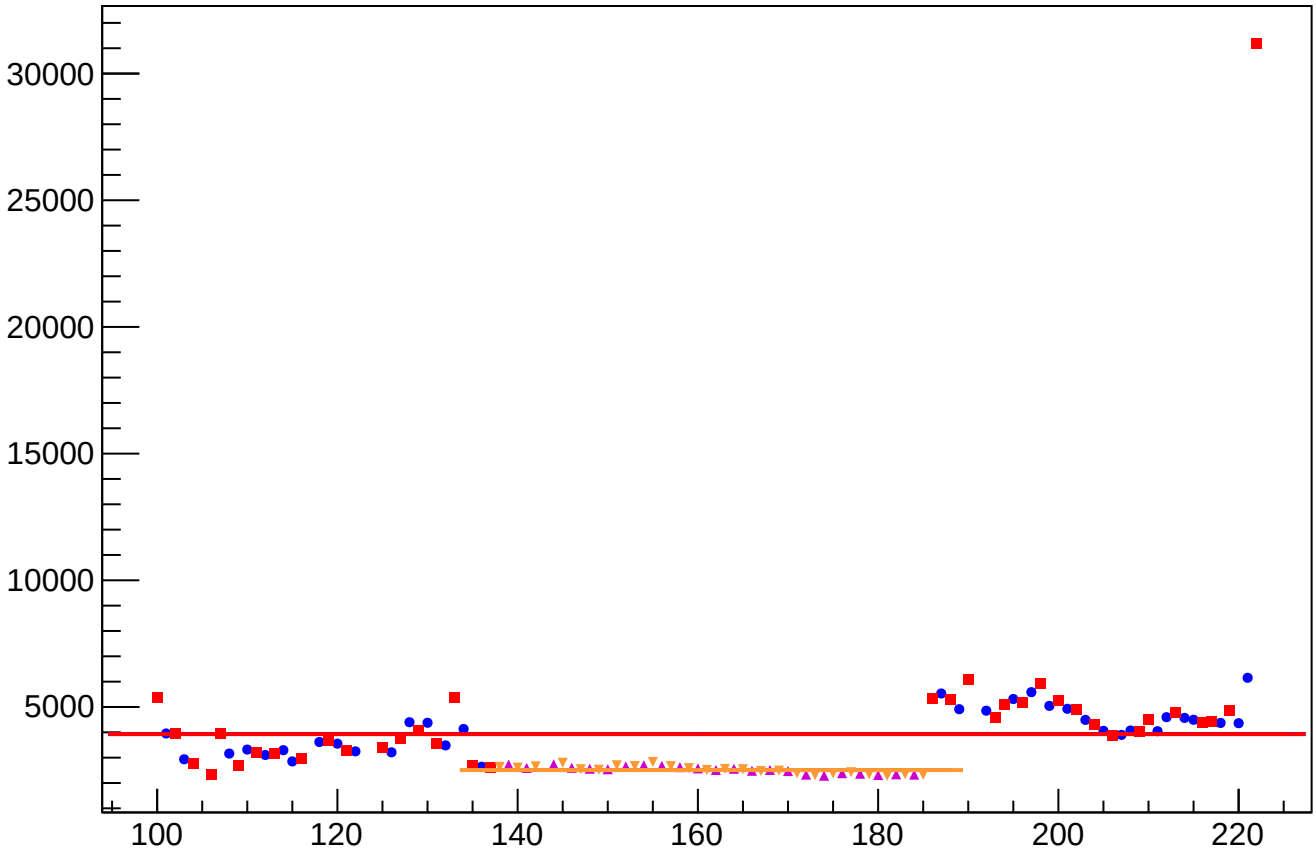
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -358.507+/-617.204 χ^2/NDF: 75.6/69

In: -58.122+/-486.177 χ^2/NDF:66.2/56

Out: -99.491+/-486.361 χ^2/NDF:70.5/59

All: -78.799+/-343.844 χ^2/NDF: 136.7/116



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: 3928.697+/-0.622 χ^2/NDF: 3618174.0/35

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

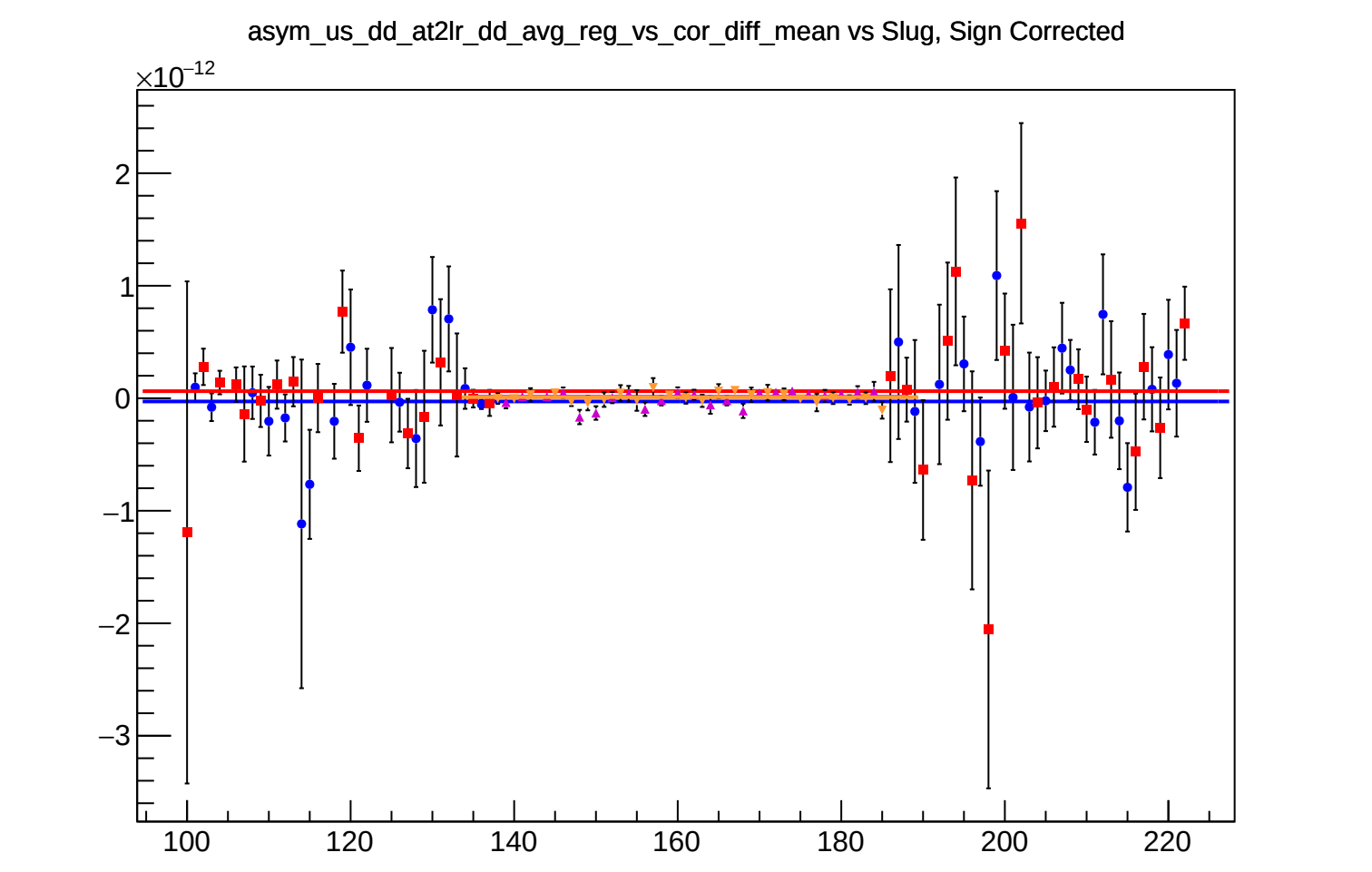
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3931.782+/-0.436 χ^2/NDF: 5364419.5/69

In: 2959.943+/-0.344 χ^2/NDF:5557695.3/56

Out: 2943.741+/-0.344 χ^2/NDF:7358348.9/59

All: 2951.845+/-0.243 χ^2/NDF: 12917154.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

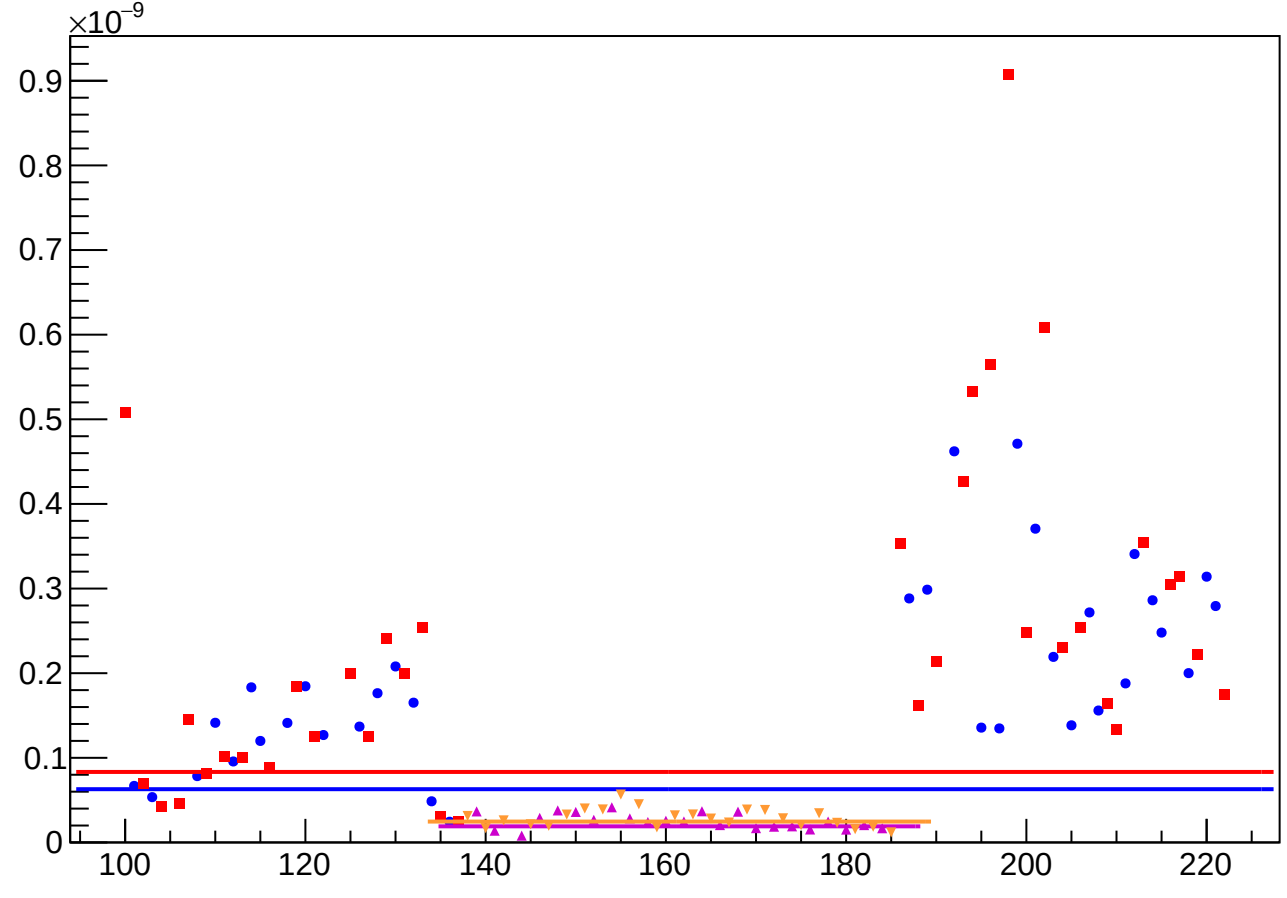
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 58.4/69

In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: 0.000+/-0.000 χ^2/NDF:41.9/59

All: 0.000+/-0.000 χ^2/NDF: 101.6/116



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: 9147559.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

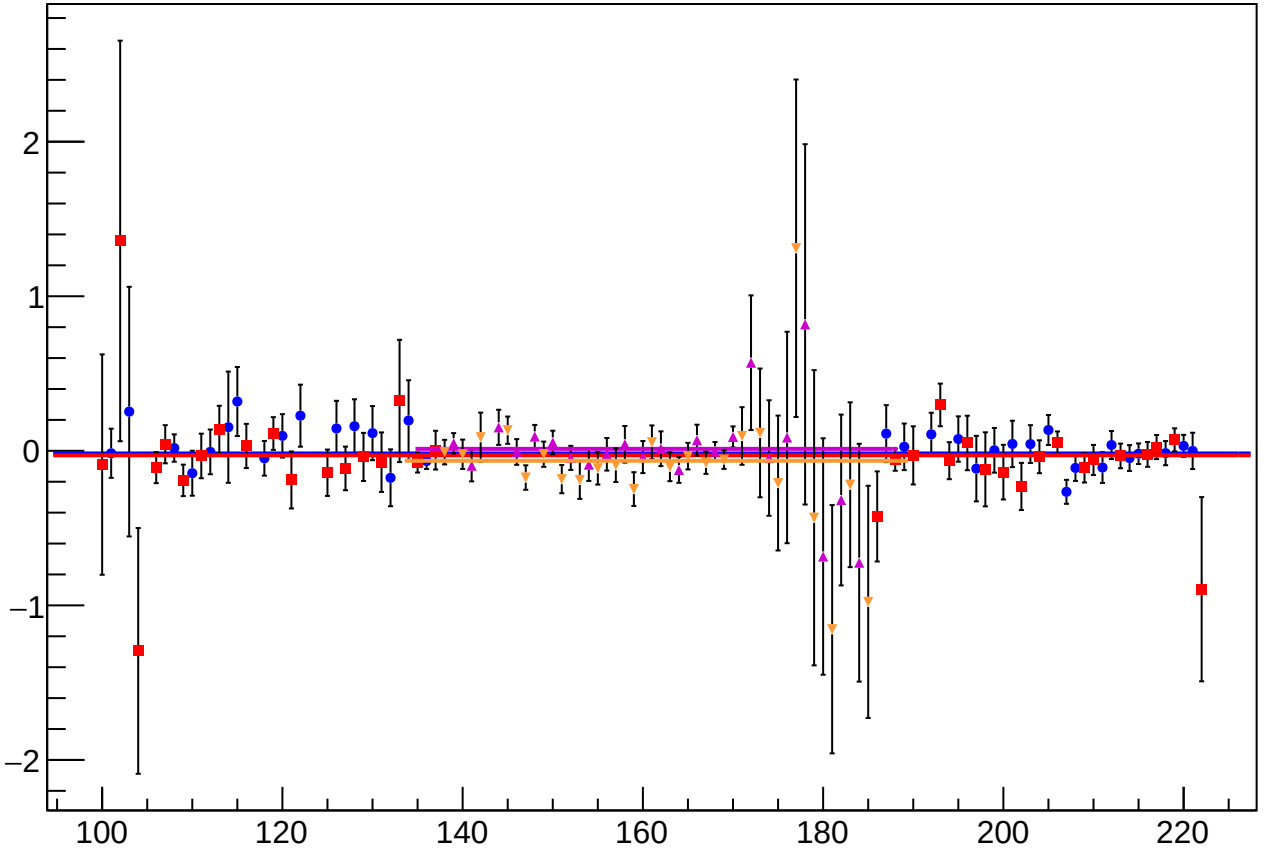
Right: 0.000+/-0.000 χ^2/NDF: 18797419.5/69

In: 0.000+/-0.000 χ^2/NDF:14952644.6/56

Out: 0.000+/-0.000 χ^2/NDF:14610501.3/59

All: 0.000+/-0.000 χ^2/NDF: 30044583.9/116

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.029+/-0.019 χ^2/NDF: 30.2/35

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

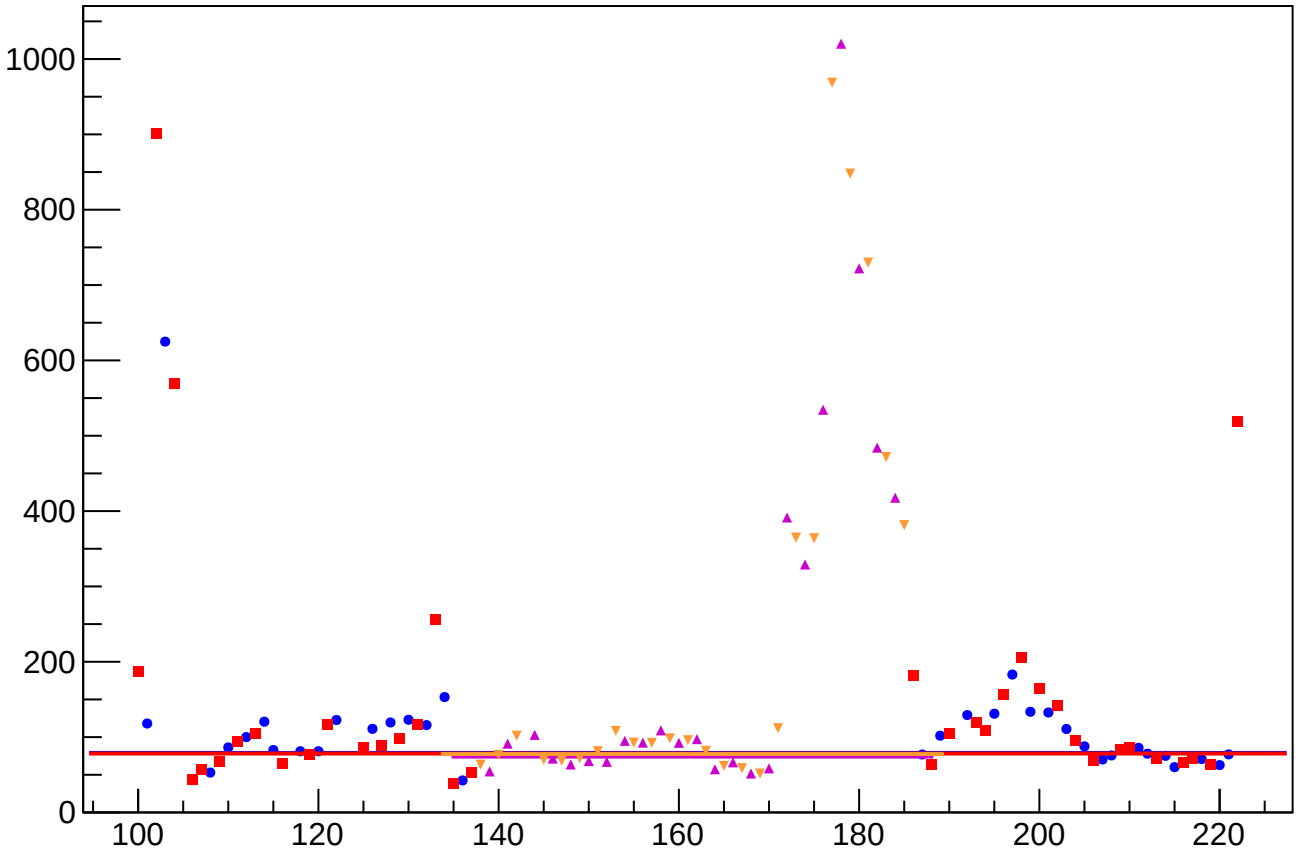
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.023+/-0.014 χ^2/NDF: 59.0/69

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/59

All: -0.023+/-0.010 χ^2/NDF: 102.7/116



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 78.182+/-0.014 χ^2/NDF: 7324517.9/35

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

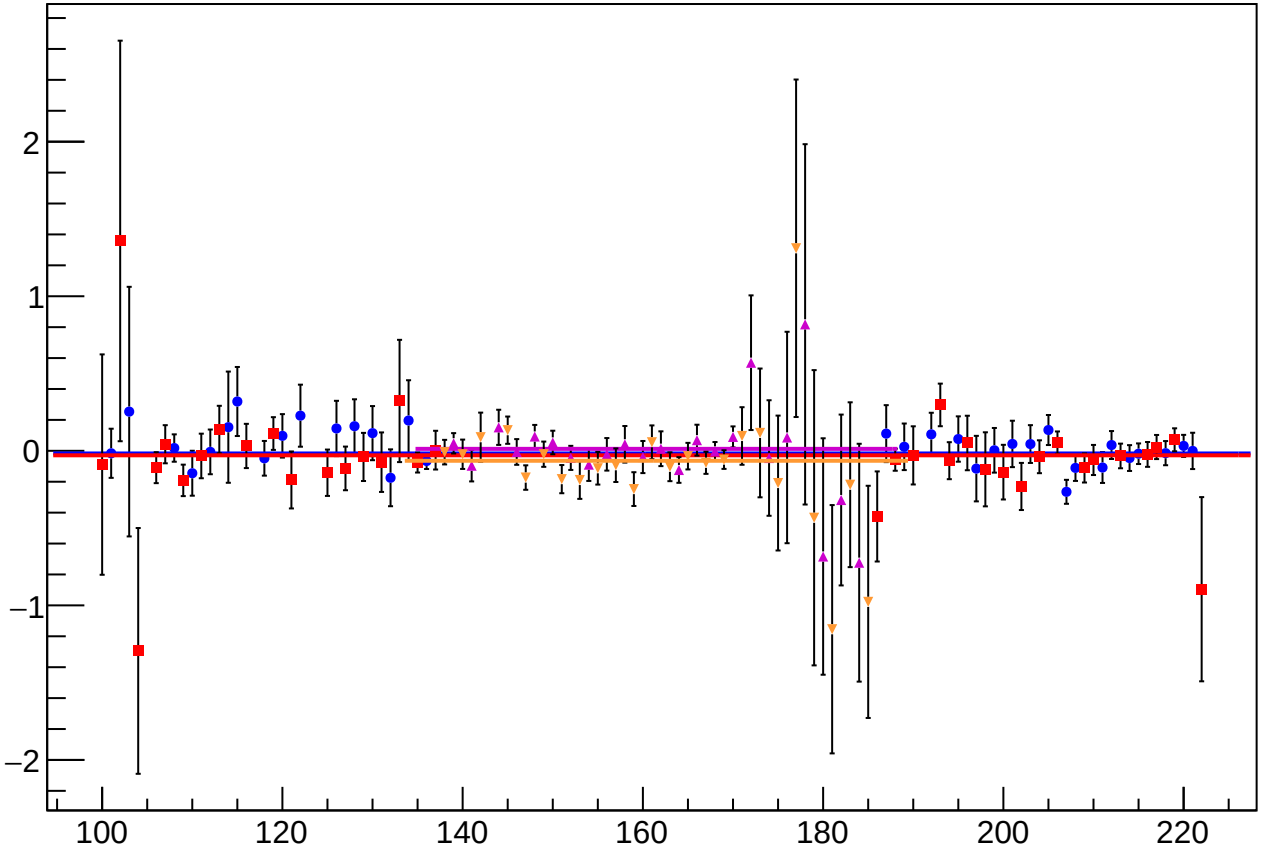
Right: 78.595+/-0.010 χ^2/NDF: 12303454.4/69

In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 77.899+/-0.010 χ^2/NDF:15656681.7/59

All: 77.357+/-0.007 χ^2/NDF: 29209594.2/116

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.029+/-0.019 χ^2/NDF: 30.2/35

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

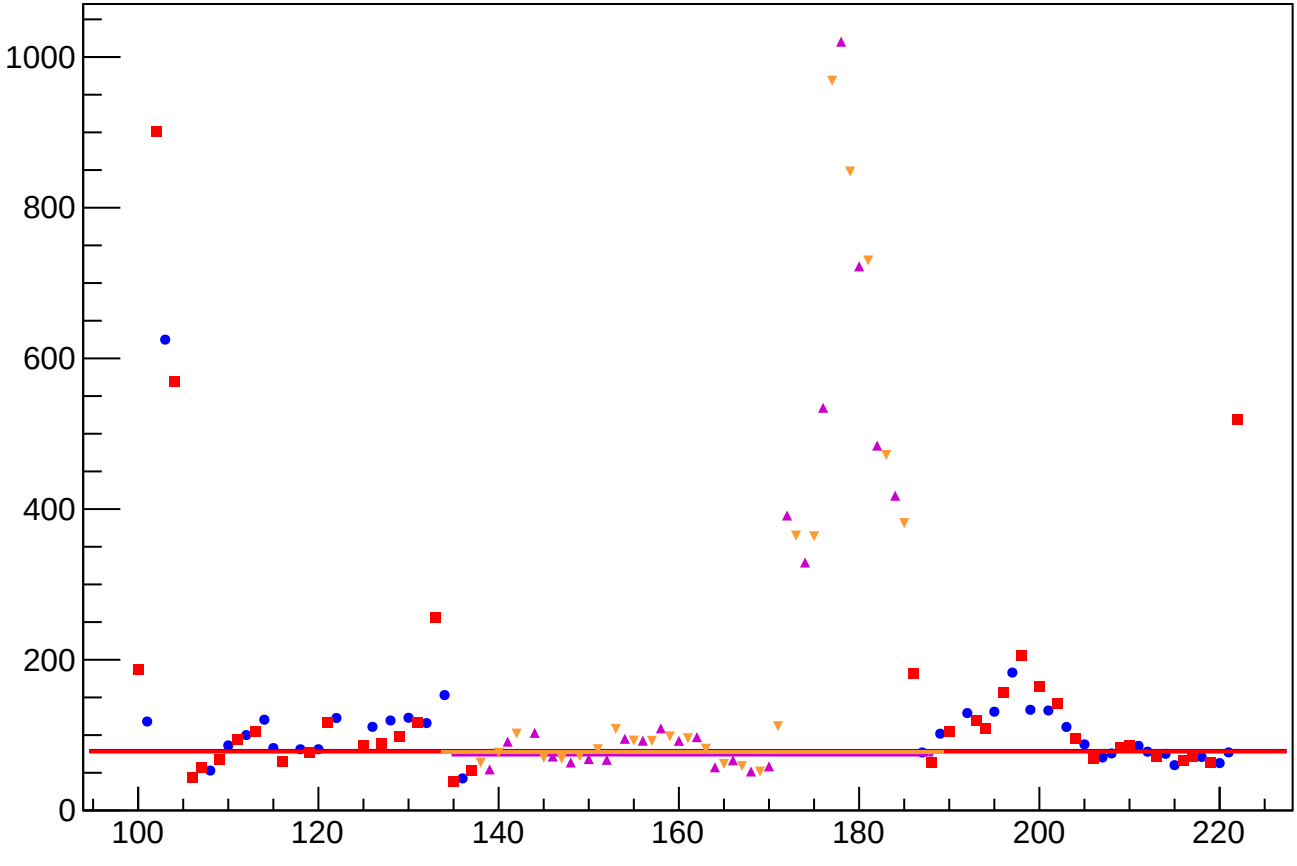
Right: -0.023+/-0.014 χ^2/NDF: 59.0/69

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/59

All: -0.023+/-0.010 χ^2/NDF: 102.7/116

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 78.182+/-0.014 χ^2/NDF: 7324517.9/35

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

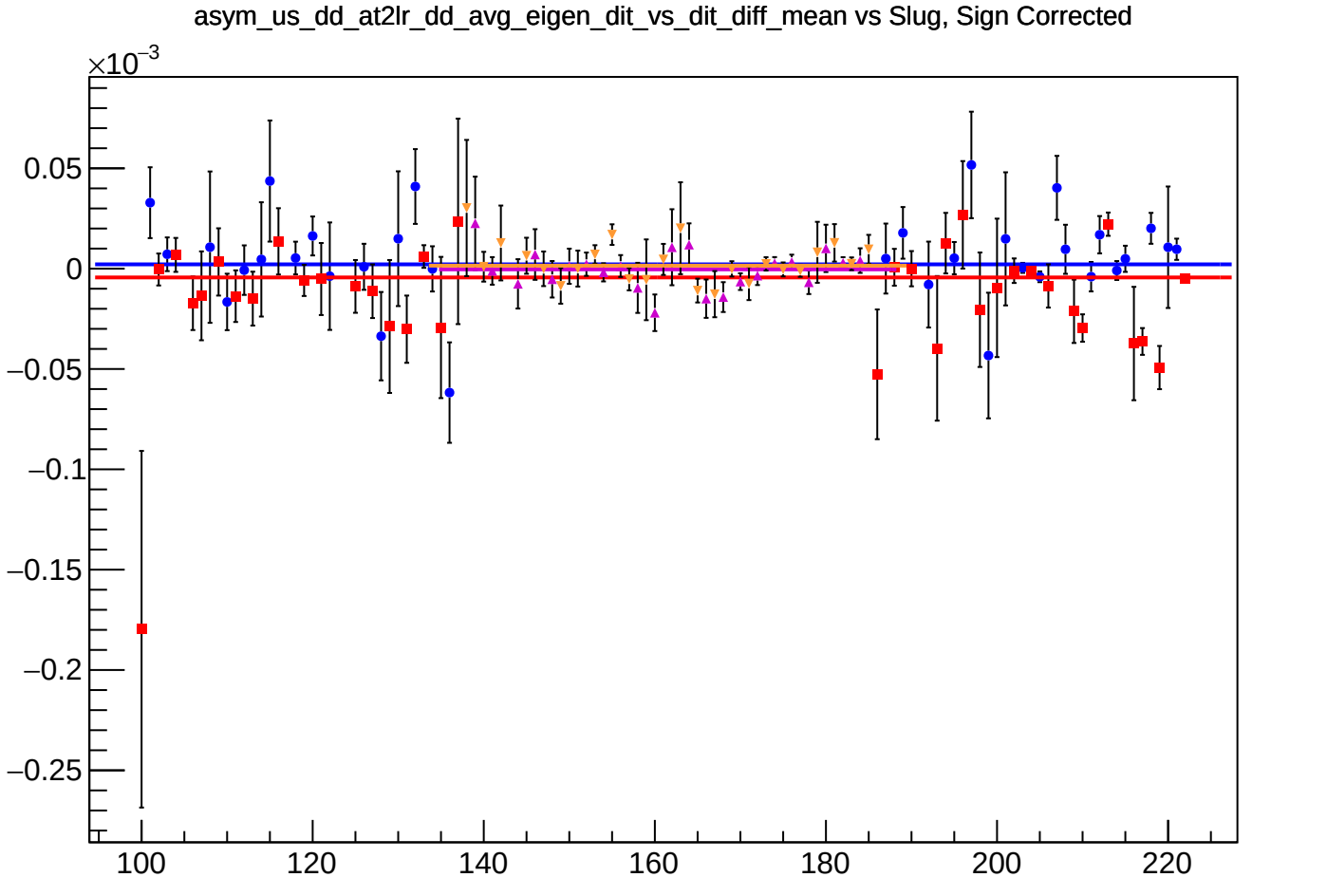
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 78.595+/-0.010 χ^2/NDF: 12303454.4/69

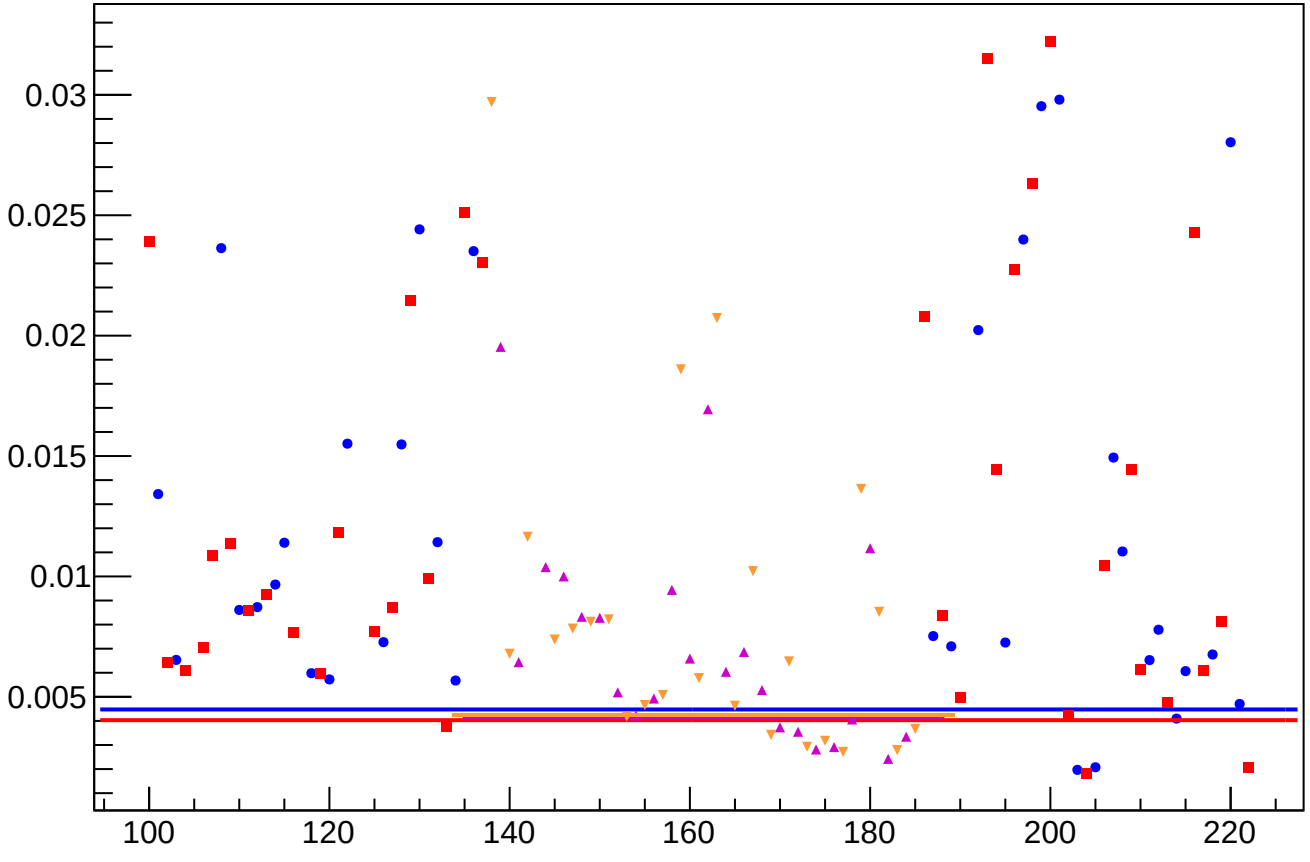
In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 77.899+/-0.010 χ^2/NDF:15656681.7/59

All: 77.357+/-0.007 χ^2/NDF: 29209594.2/116


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: 103.8/35
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 171.3/69
In: 0.000+/-0.000 χ²/NDF:80.7/56
Out: -0.000+/-0.000 χ²/NDF:143.3/59
All: -0.000+/-0.000 χ²/NDF: 226.9/116

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 16960258.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 18002435.6/35

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

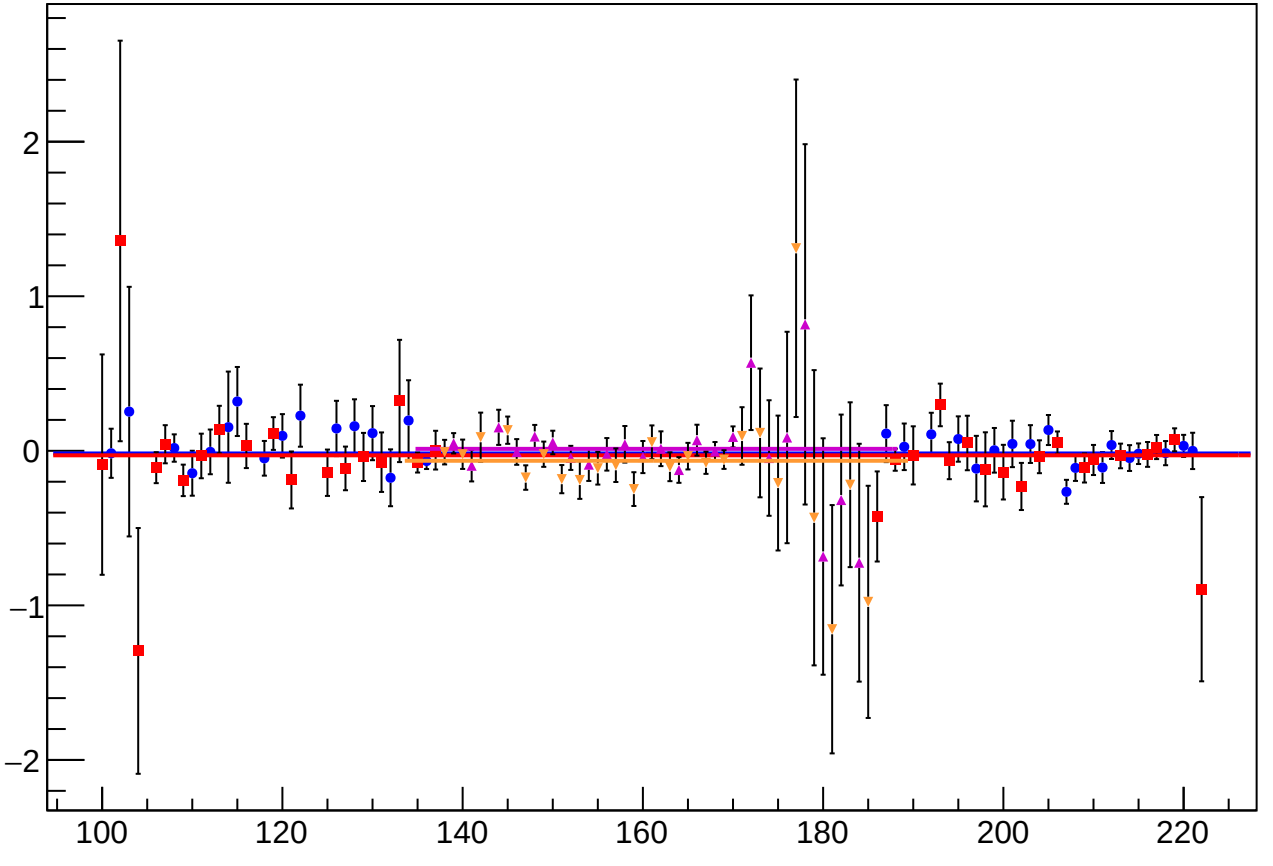
Right: 0.004+/-0.000 χ^2/NDF: 35086851.3/69

In: 0.004+/-0.000 χ^2/NDF:23912991.1/56

Out: 0.004+/-0.000 χ^2/NDF:26686149.5/59

All: 0.004+/-0.000 χ^2/NDF: 50631863.5/116

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.029+/-0.019 χ^2/NDF: 30.2/35

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

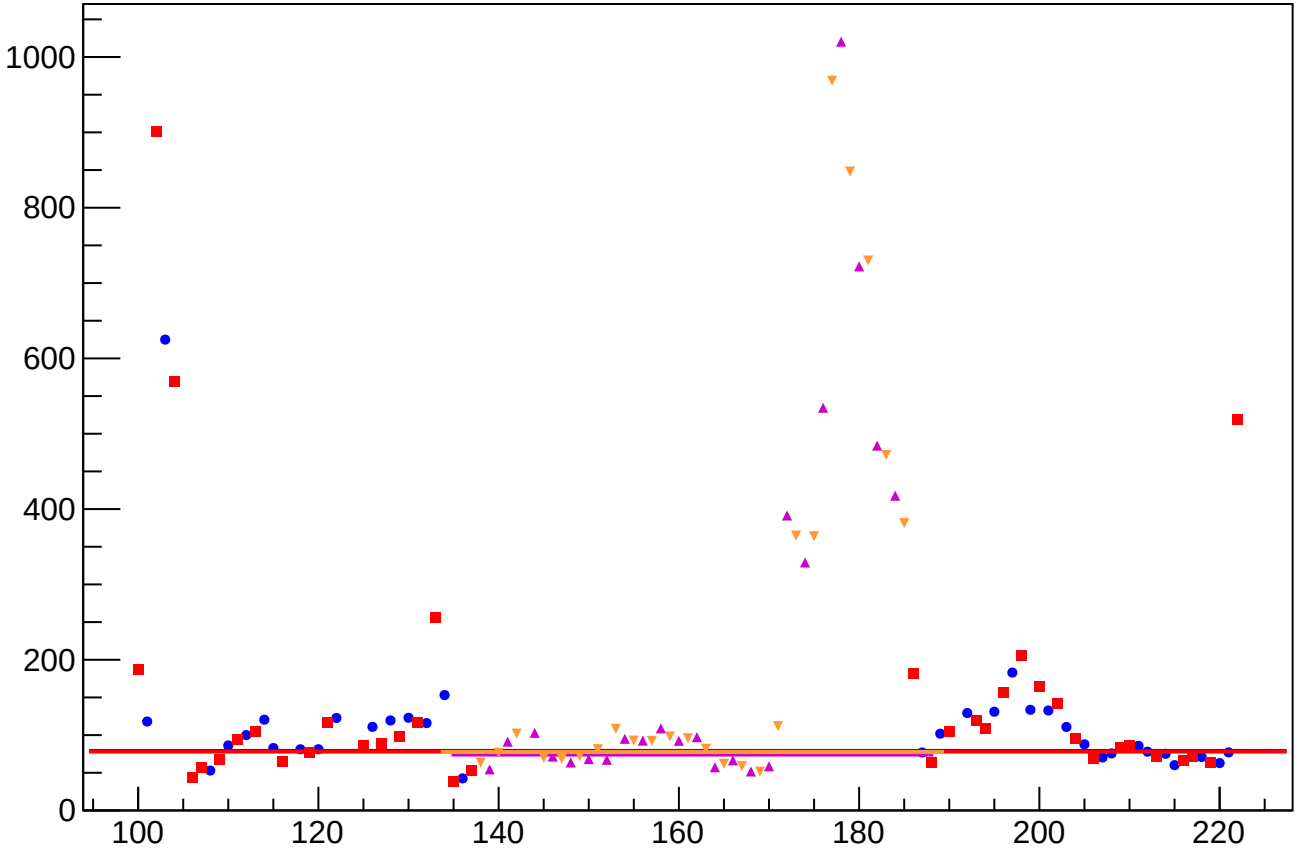
Right: -0.023+/-0.014 χ^2/NDF: 59.0/69

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:53.9/59

All: -0.024+/-0.010 χ^2/NDF: 102.7/116

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 78.177+/-0.014 χ^2/NDF: 7325963.2/35

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

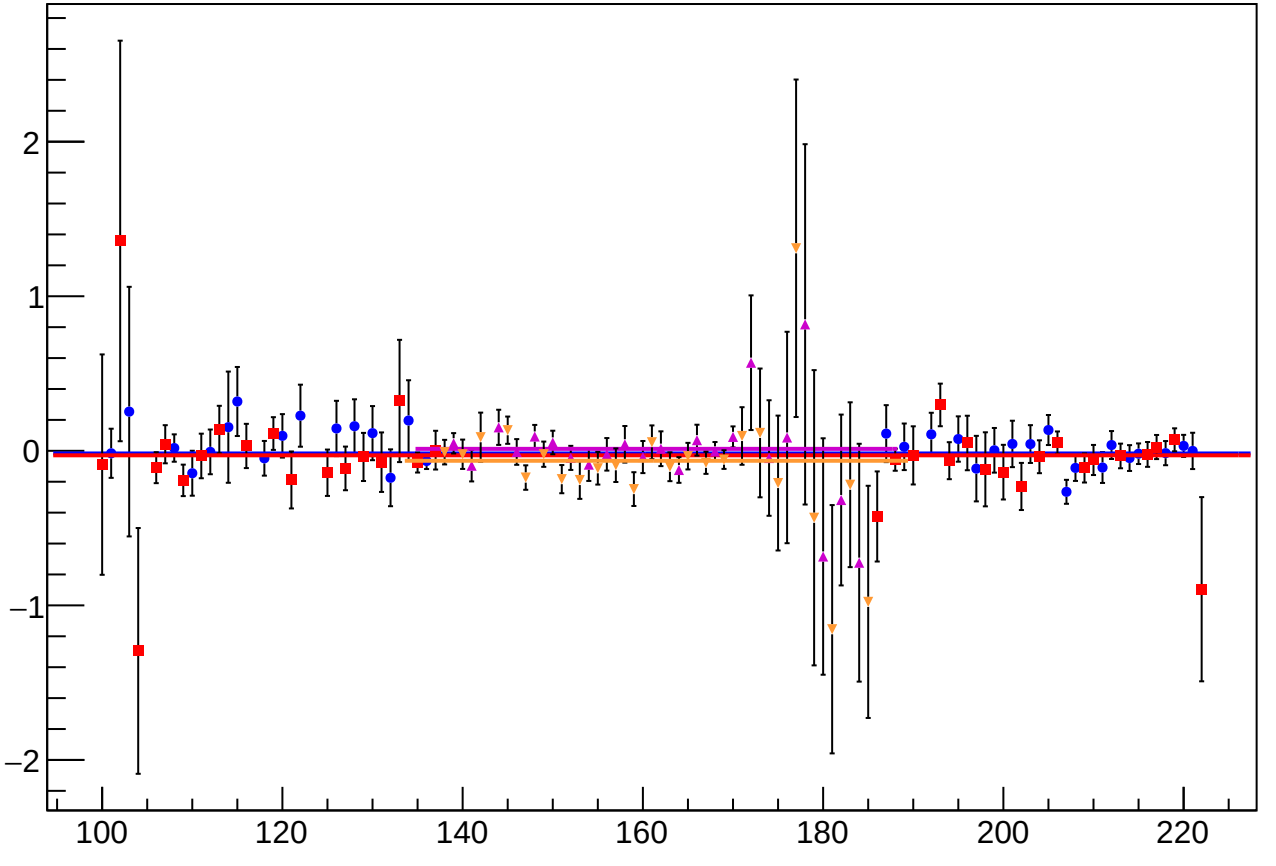
Right: 78.597+/-0.010 χ^2/NDF: 12302123.9/69

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 77.896+/-0.010 χ^2/NDF:15658027.7/59

All: 77.358+/-0.007 χ^2/NDF: 29207915.8/116

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.029+/-0.019 χ^2/NDF: 30.2/35

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

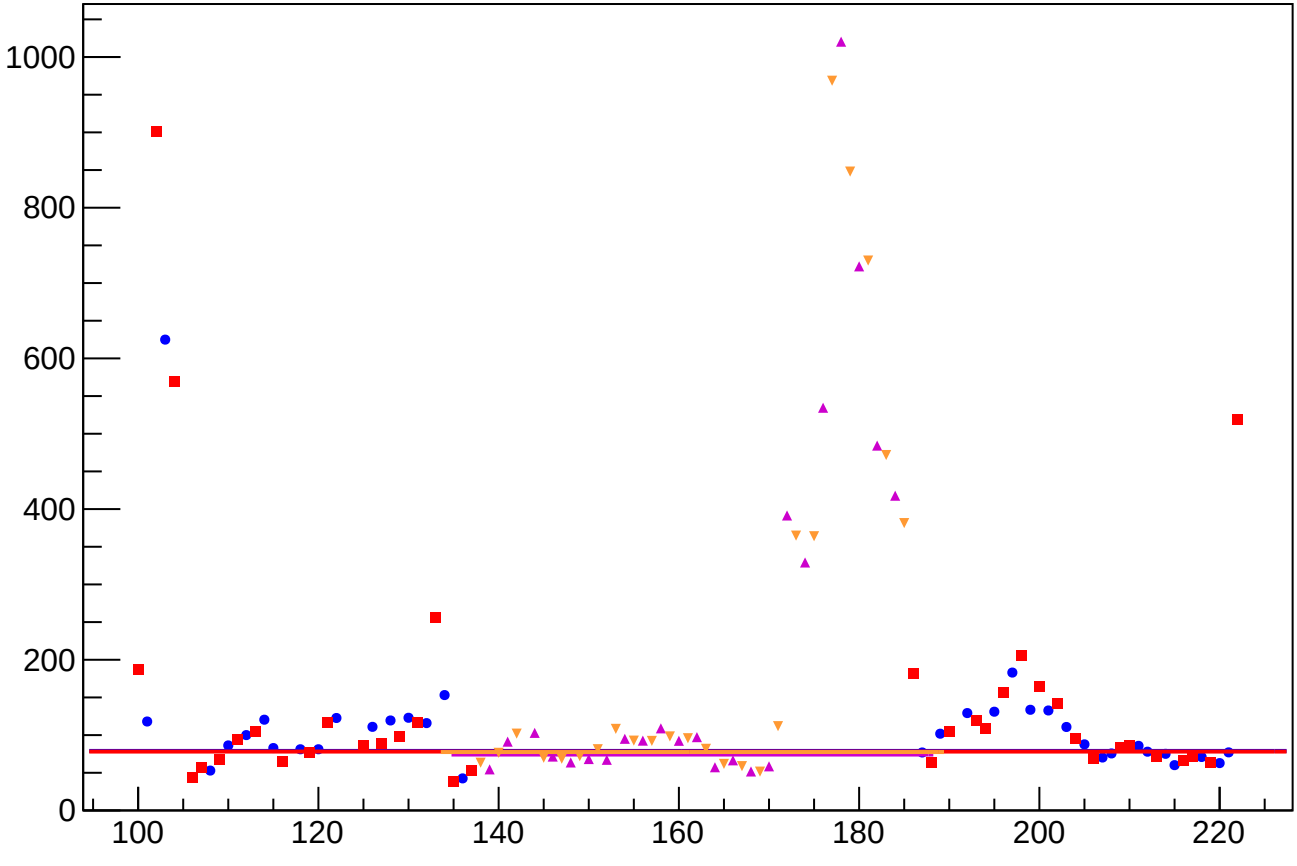
Right: -0.023+/-0.014 χ^2/NDF: 59.0/69

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:53.9/59

All: -0.024+/-0.010 χ^2/NDF: 102.7/116

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 78.177+/-0.014 χ^2/NDF: 7325963.2/35

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

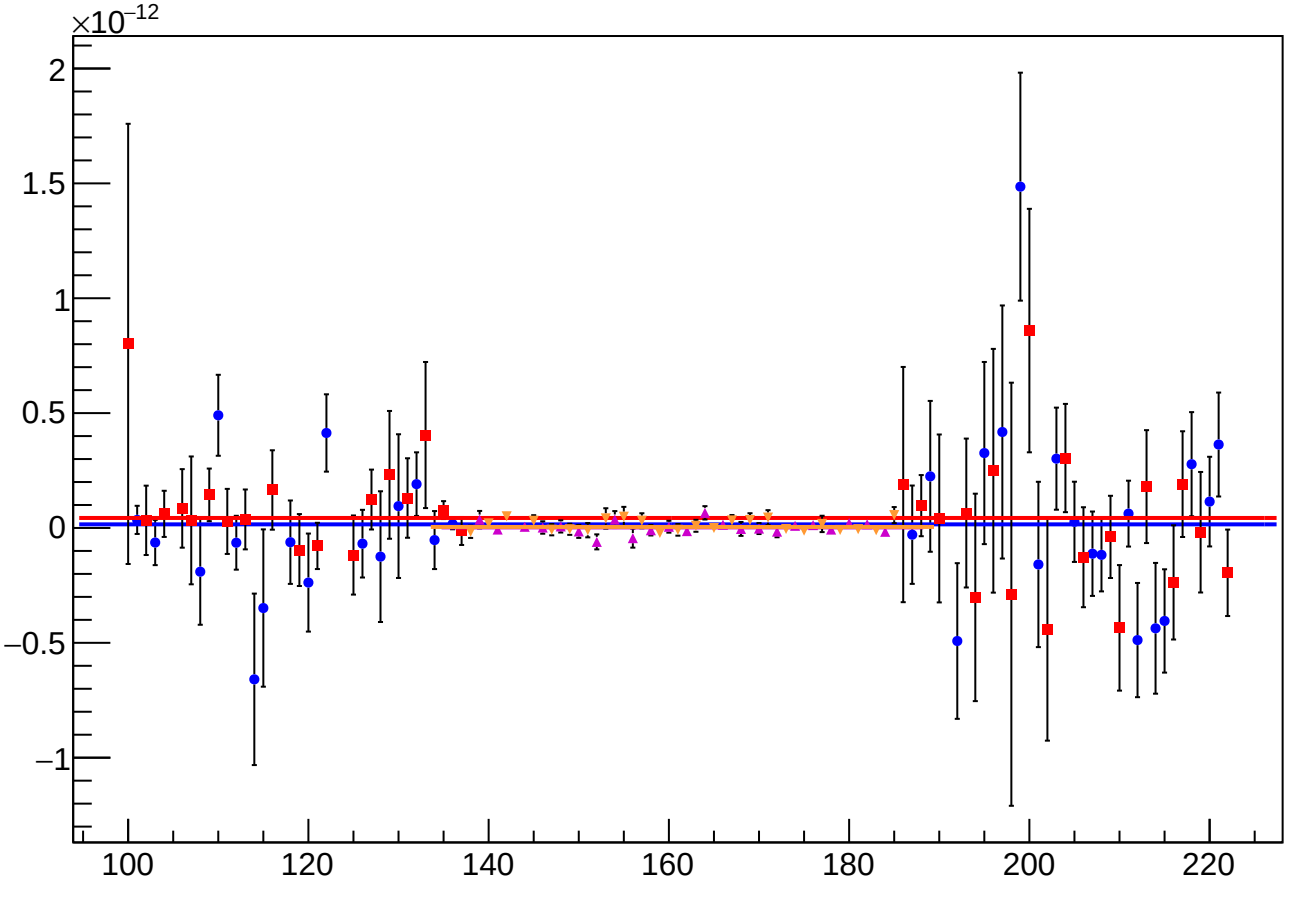
Right: 78.597+/-0.010 χ^2/NDF: 12302123.9/69

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 77.896+/-0.010 χ^2/NDF:15658027.7/59

All: 77.358+/-0.007 χ^2/NDF: 29207915.8/116

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 53.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/35

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

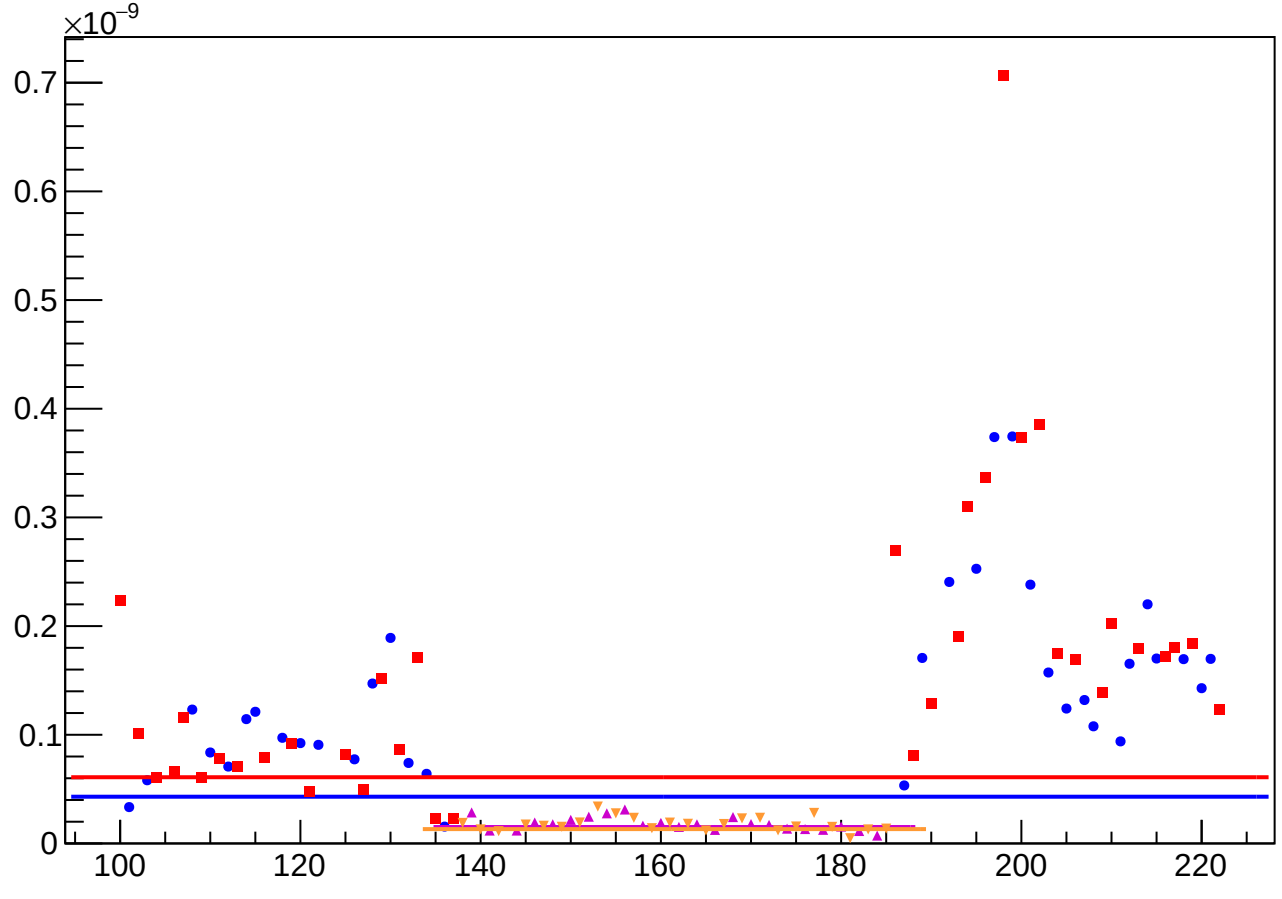
Right: 0.000+/-0.000 χ^2/NDF: 76.6/69

In: 0.000+/-0.000 χ^2/NDF:71.3/56

Out: 0.000+/-0.000 χ^2/NDF:46.9/59

All: 0.000+/-0.000 χ^2/NDF: 118.3/116

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: 12123010.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

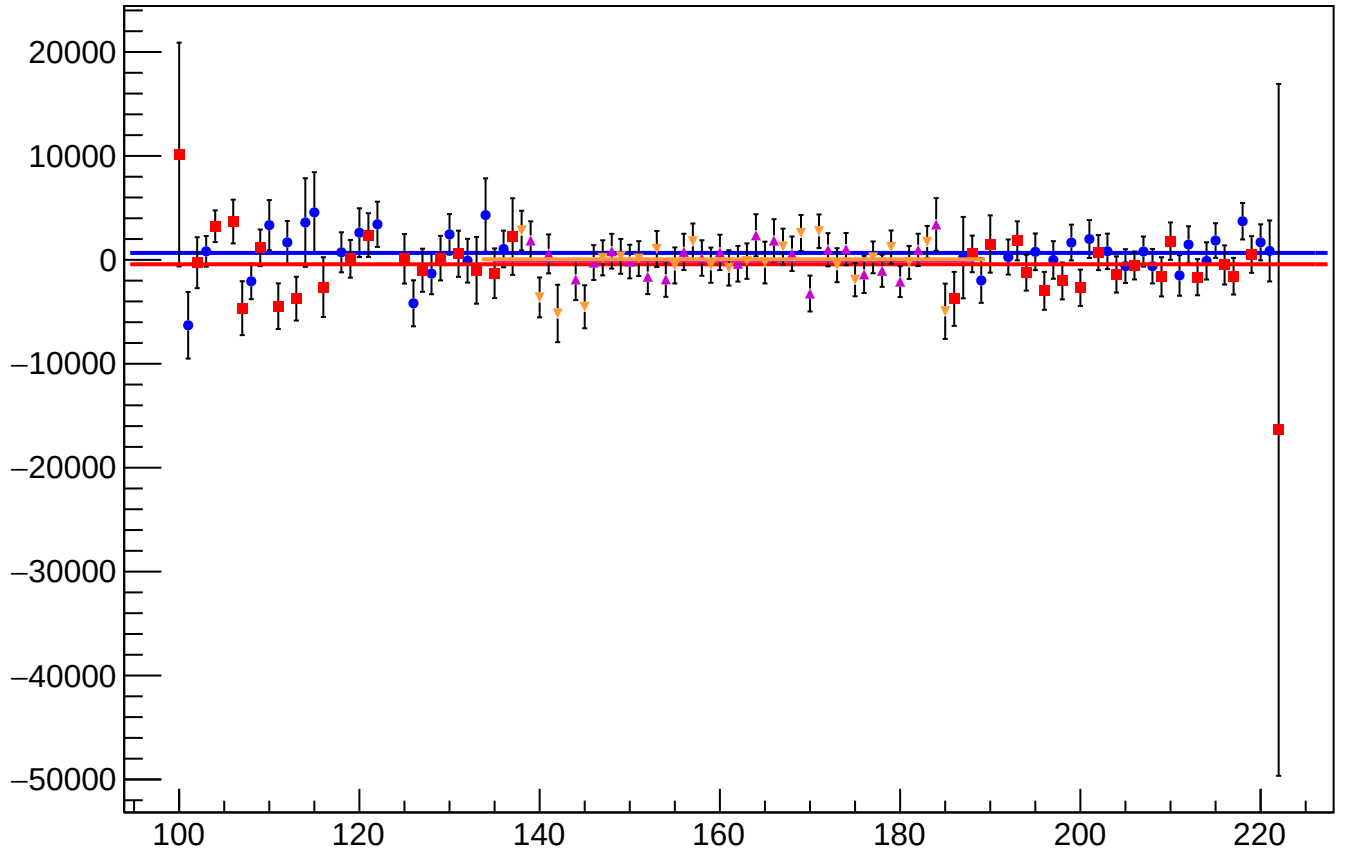
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 27321593.1/69

In: 0.000+/-0.000 χ^2/NDF:21006583.5/56

Out: 0.000+/-0.000 χ^2/NDF:24714311.0/59

All: 0.000+/-0.000 χ^2/NDF: 45925791.4/116



Right In: 666.749+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -425.321+/-337.034 χ^2/NDF: 36.1/35

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

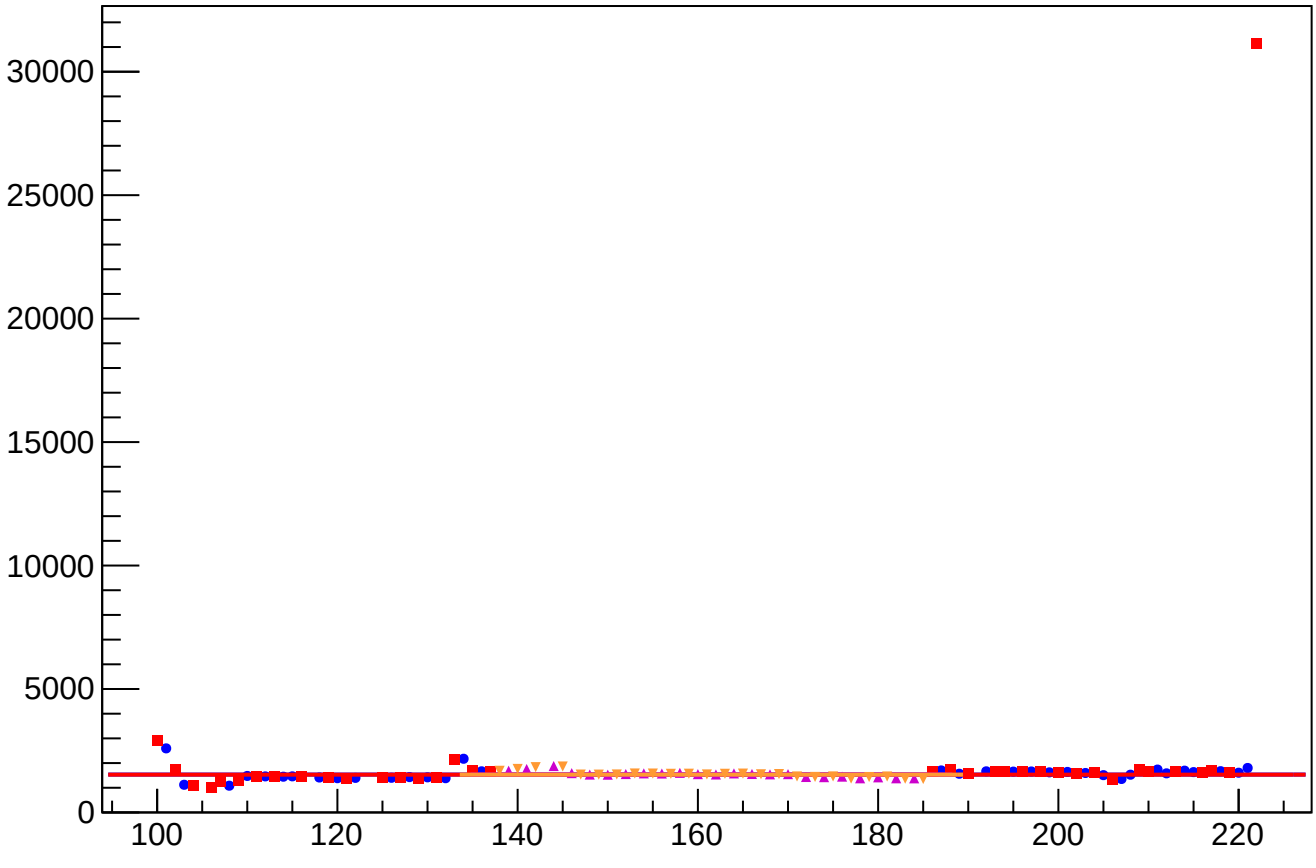
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 124.293+/-237.537 χ^2/NDF: 71.1/69

In: 334.684+/-245.029 χ^2/NDF:48.6/56

Out: -198.655+/-244.871 χ^2/NDF:65.5/59

All: 67.843+/-173.206 χ^2/NDF: 116.5/116



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: 1530.774+/-0.238 χ^2/NDF: 2288434.2/35

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

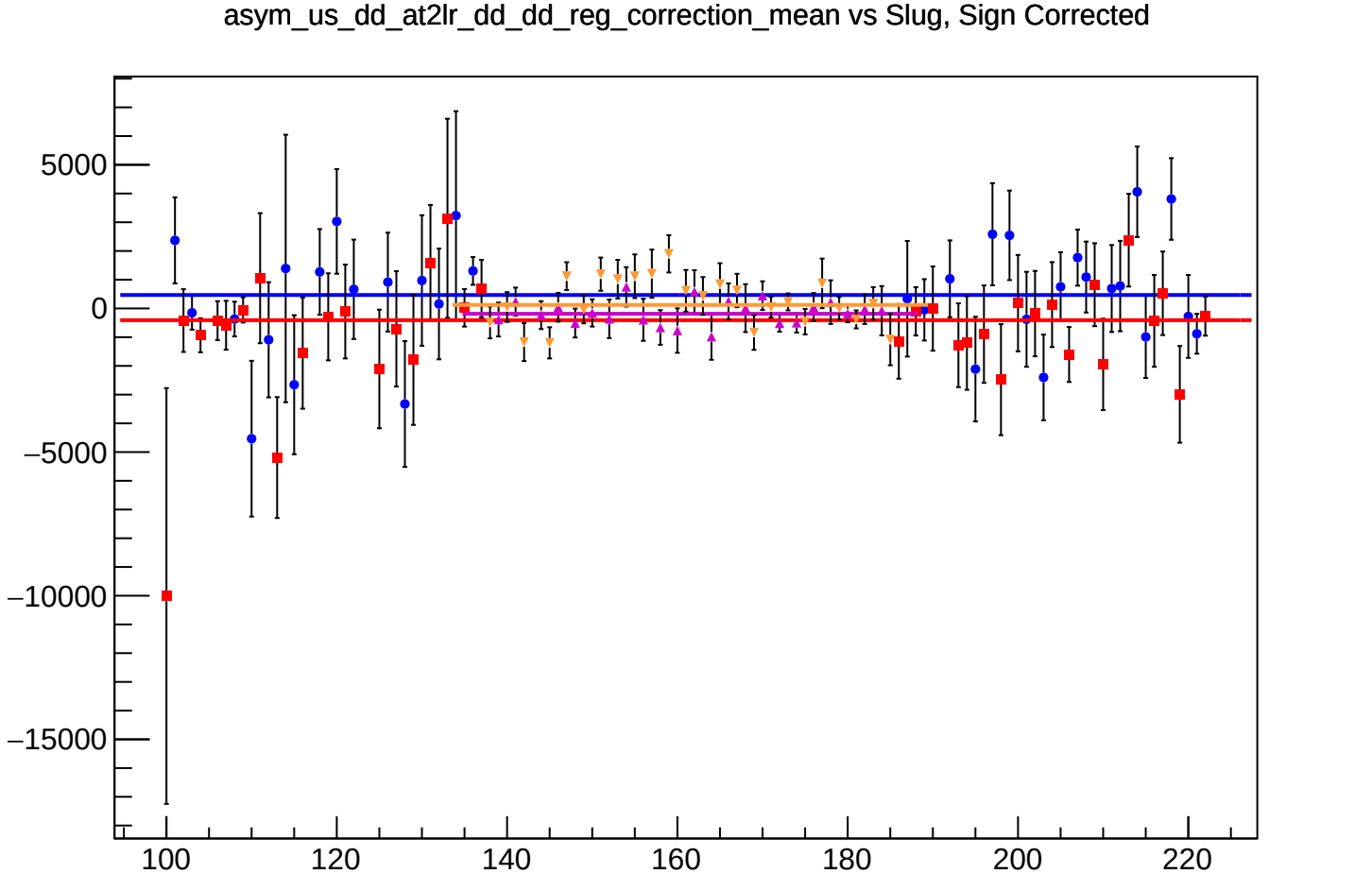
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1532.626+/-0.168 χ^2/NDF: 3094250.3/69

In: 1534.963+/-0.173 χ^2/NDF:998138.8/56

Out: 1530.869+/-0.173 χ^2/NDF:2491974.3/59

All: 1532.915+/-0.122 χ^2/NDF: 3490392.4/11



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: -409.122+/-184.926 χ^2/NDF: 25.6/35

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

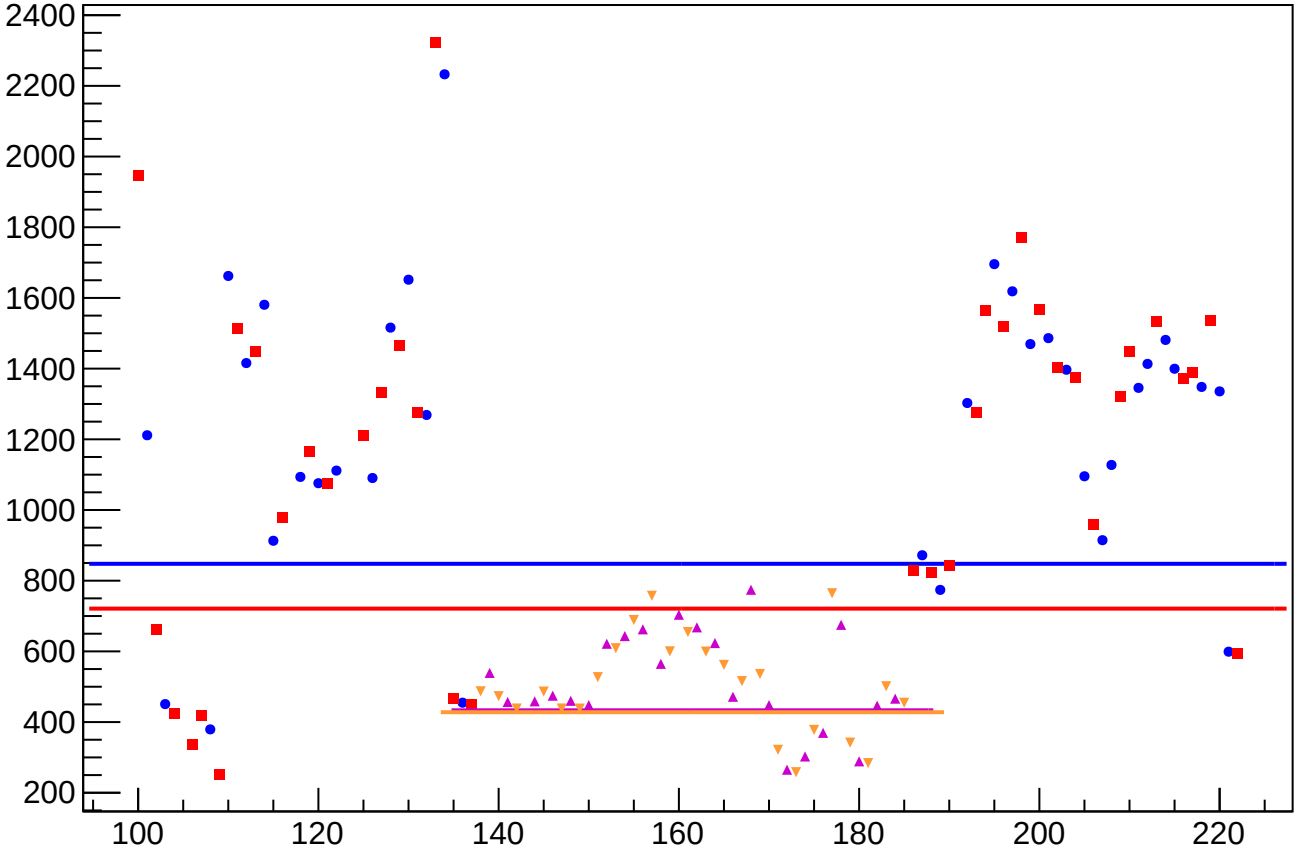
Right: -15.452+/-137.246 χ^2/NDF: 82.6/69

In: -46.594+/-94.817 χ^2/NDF:66.5/56

Out: -8.104+/-91.347 χ^2/NDF:75.5/59

All: -26.632+/-65.785 χ^2/NDF: 142.1/116

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: 720.999+/-0.131 χ^2/NDF: 12021763.4/35

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

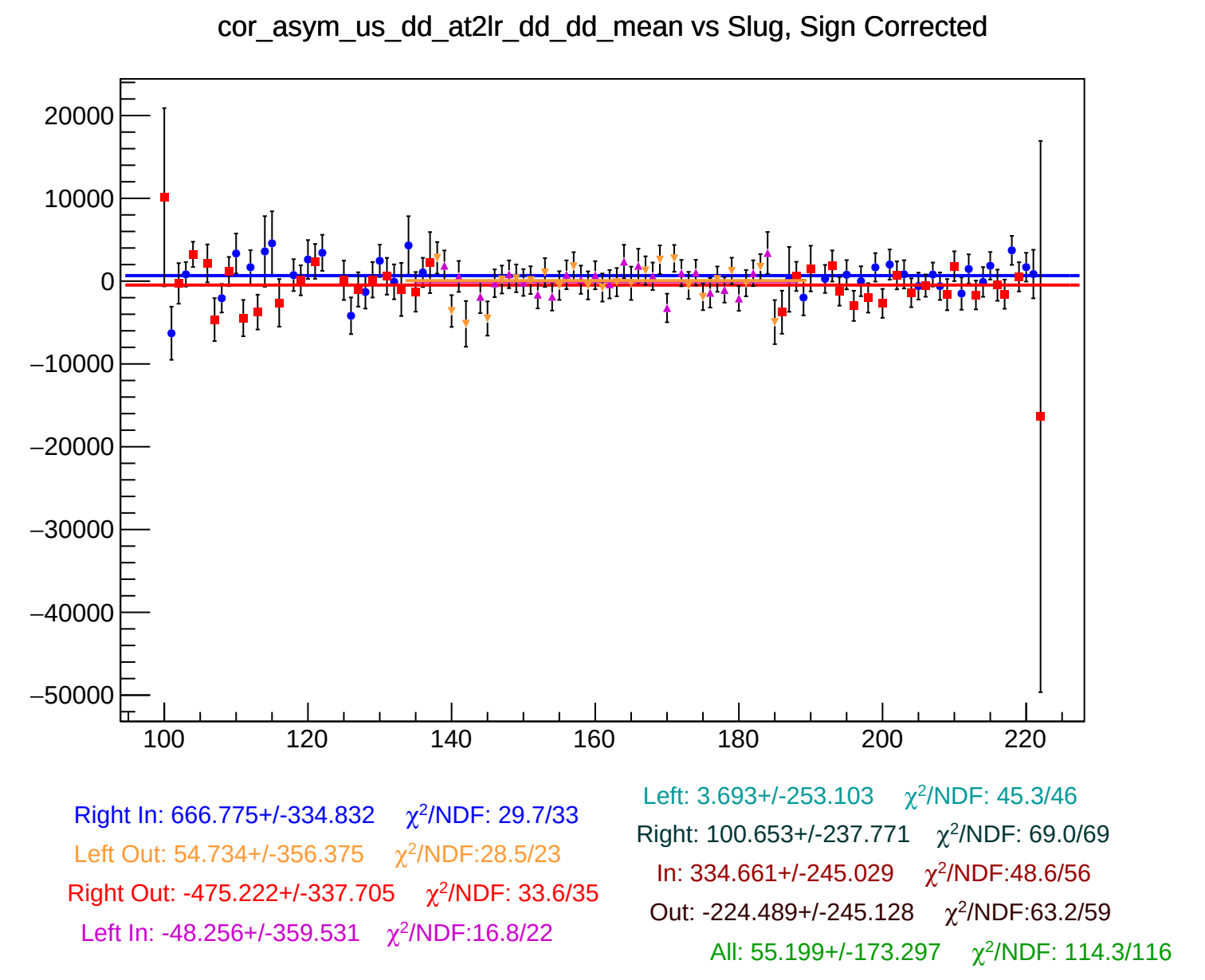
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

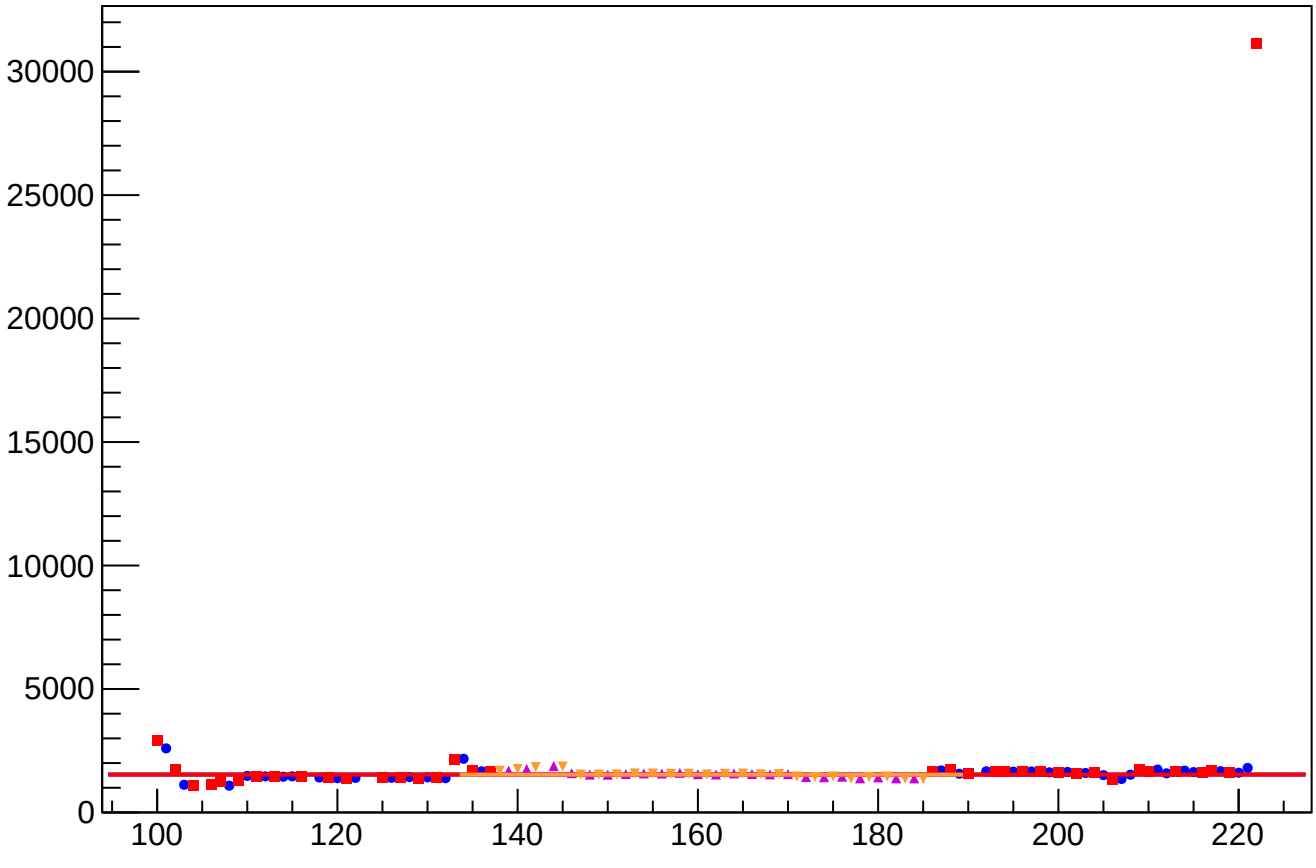
Right: 777.945+/-0.097 χ^2/NDF: 21349472.0/69

In: 522.147+/-0.067 χ^2/NDF:18590709.7/56

Out: 499.352+/-0.065 χ^2/NDF:19010379.0/59

All: 510.325+/-0.047 χ^2/NDF: 37661035.2/11


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
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: -475.222+/-337.705 χ²/NDF: 33.6/35
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 100.653+/-237.771 χ²/NDF: 69.0/69
In: 334.661+/-245.029 χ²/NDF:48.6/56
Out: -224.489+/-245.128 χ²/NDF:63.2/59
All: 55.199+/-173.297 χ²/NDF: 114.3/116



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: 1534.952+/-0.239 χ^2/NDF: 2235433.6/35

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

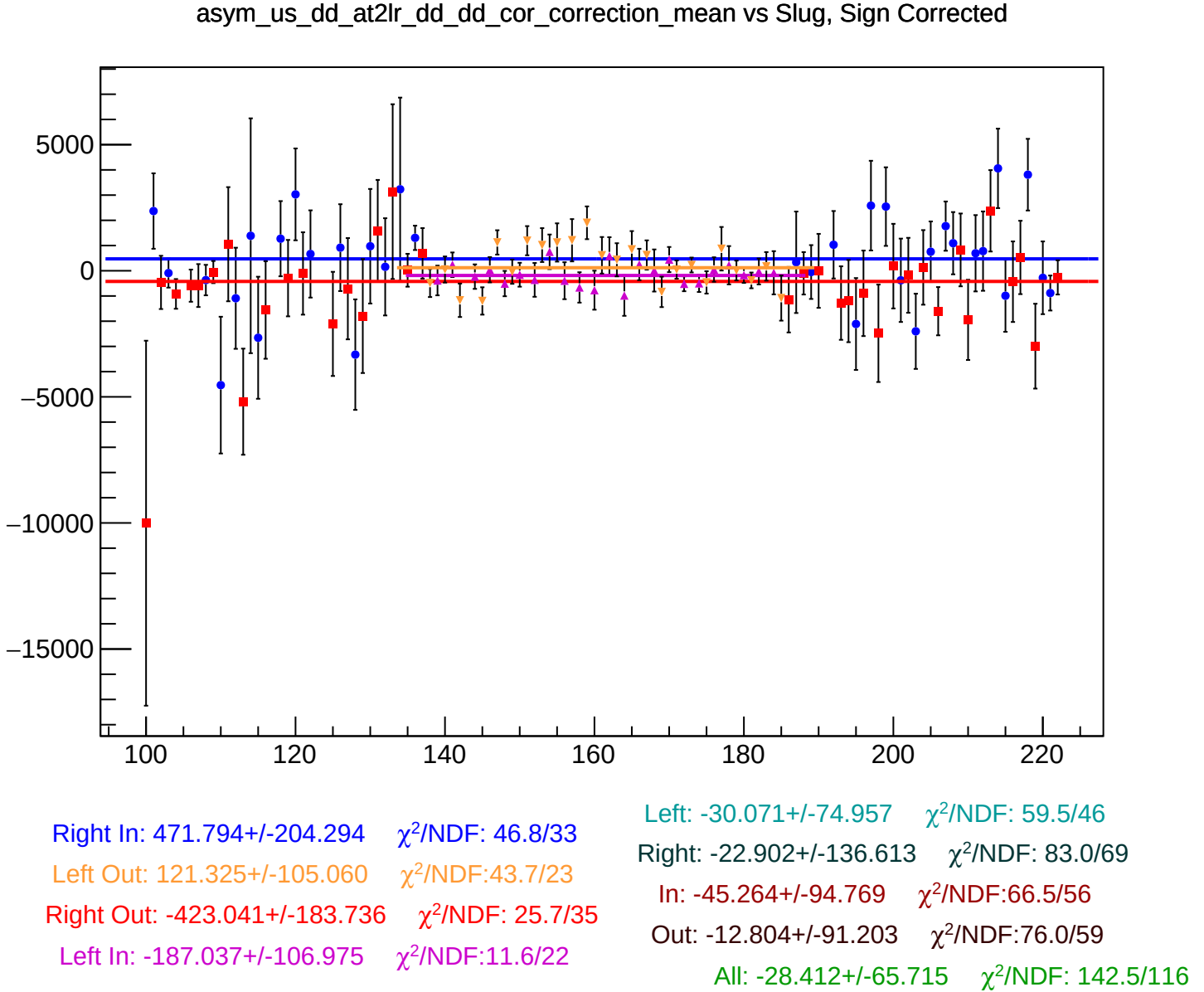
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1534.701+/-0.168 χ^2/NDF: 3041132.4/69

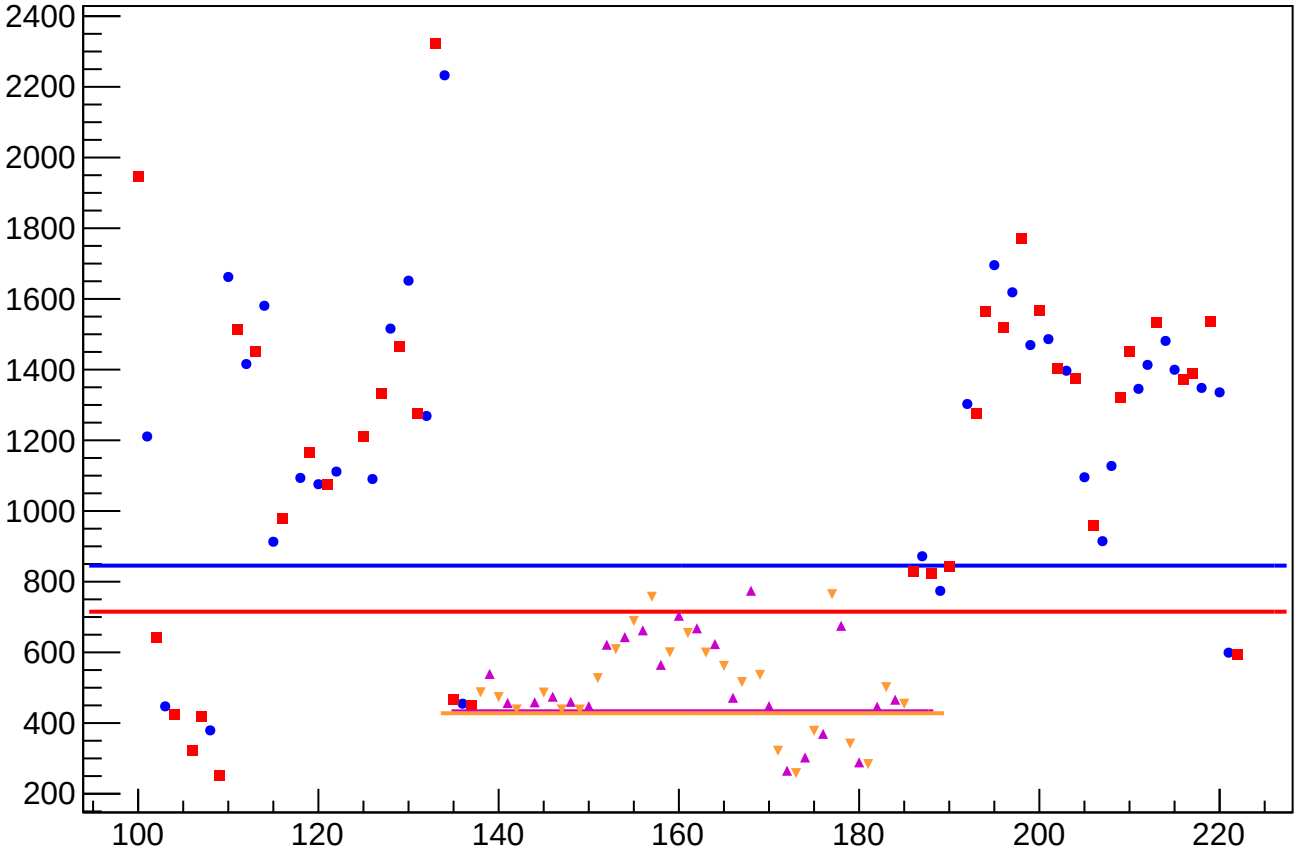
In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1533.071+/-0.173 χ^2/NDF:2439104.6/59

All: 1534.017+/-0.123 χ^2/NDF: 3437303.4/11


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: -423.041+/-183.736 χ²/NDF: 25.7/35
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -22.902+/-136.613 χ²/NDF: 83.0/69
In: -45.264+/-94.769 χ²/NDF:66.5/56
Out: -12.804+/-91.203 χ²/NDF:76.0/59
All: -28.412+/-65.715 χ²/NDF: 142.5/116

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 715.106+/-0.130 χ^2/NDF: 12166107.0/35

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

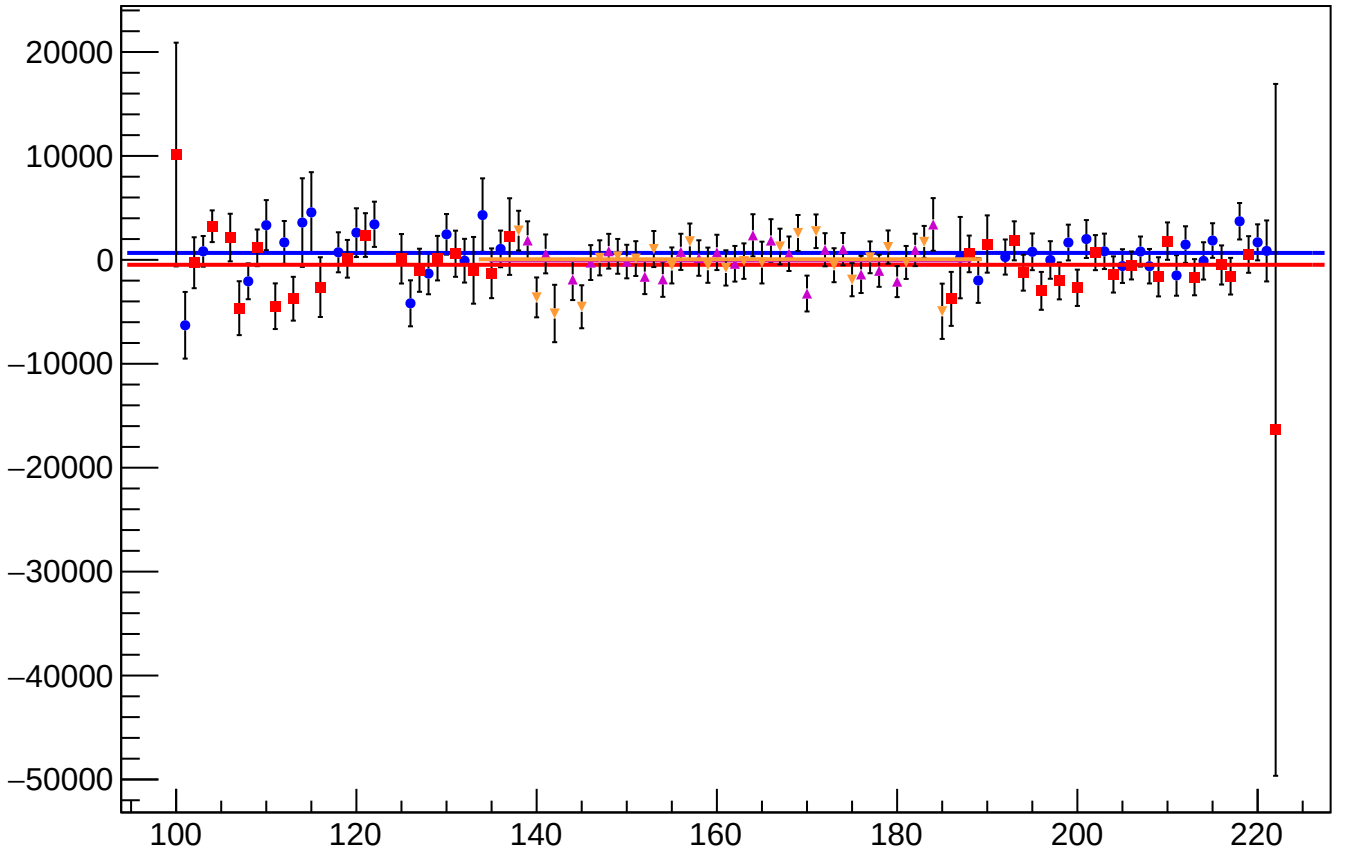
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 773.395+/-0.097 χ^2/NDF: 21573695.4/69

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 498.602+/-0.064 χ^2/NDF:19039480.6/59

All: 509.843+/-0.046 χ^2/NDF: 37697125.0/1



Right In: 666.775+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -475.222+/-337.705 χ^2/NDF: 33.6/35

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

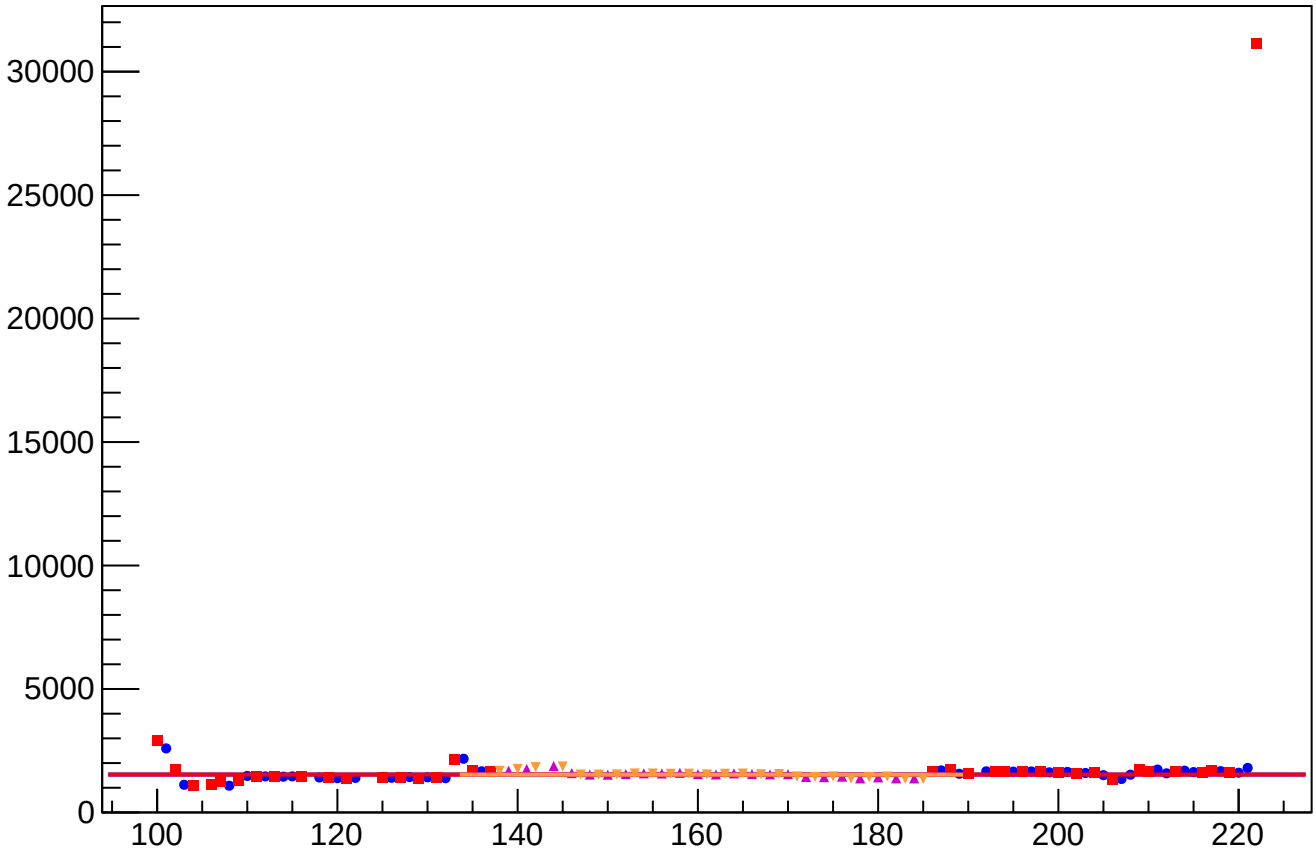
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 100.653+/-237.771 χ^2/NDF: 69.0/69

In: 334.661+/-245.029 χ^2/NDF:48.6/56

Out: -224.489+/-245.128 χ^2/NDF:63.2/59

All: 55.199+/-173.297 χ^2/NDF: 114.3/116



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: 1534.952+/-0.239 χ^2/NDF: 2235433.6/35

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

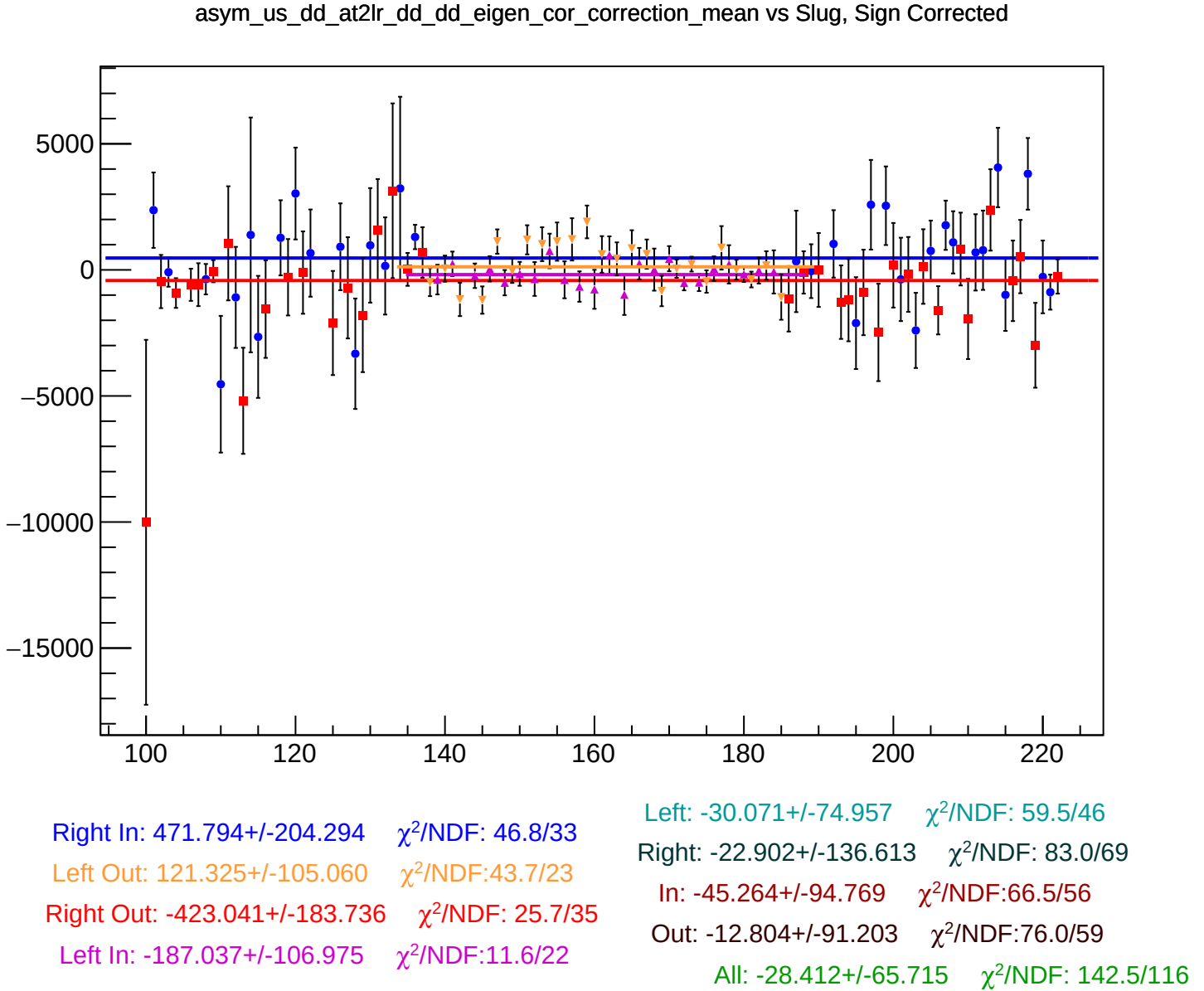
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

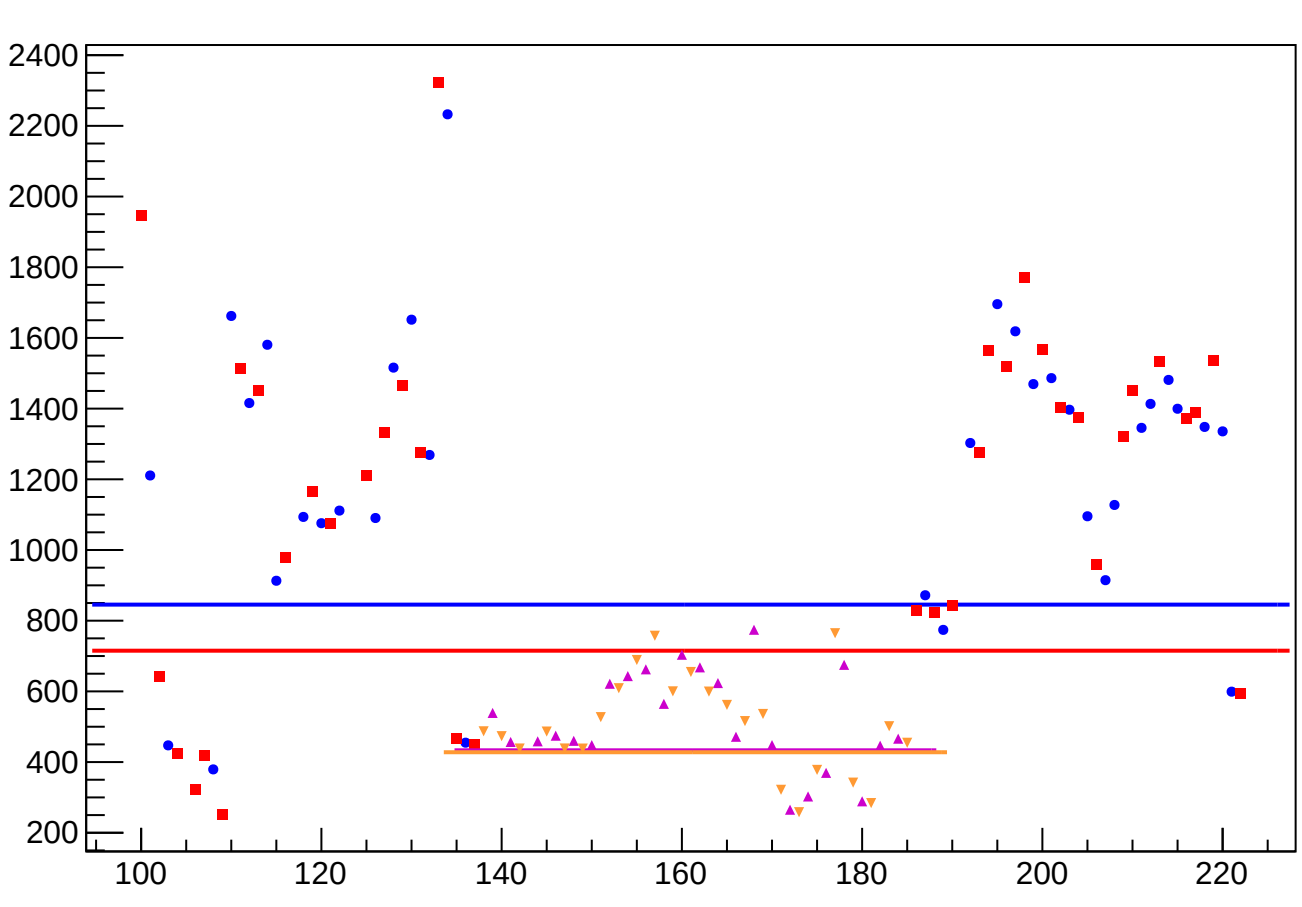
Right: 1534.701+/-0.168 χ^2/NDF: 3041132.4/69

In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1533.071+/-0.173 χ^2/NDF:2439104.6/59

All: 1534.017+/-0.123 χ^2/NDF: 3437303.4/11


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: -423.041+/-183.736 χ²/NDF: 25.7/35
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -22.902+/-136.613 χ²/NDF: 83.0/69
In: -45.264+/-94.769 χ²/NDF:66.5/56
Out: -12.804+/-91.203 χ²/NDF:76.0/59
All: -28.412+/-65.715 χ²/NDF: 142.5/116



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 715.106+/-0.130 χ^2/NDF: 12166107.0/35

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

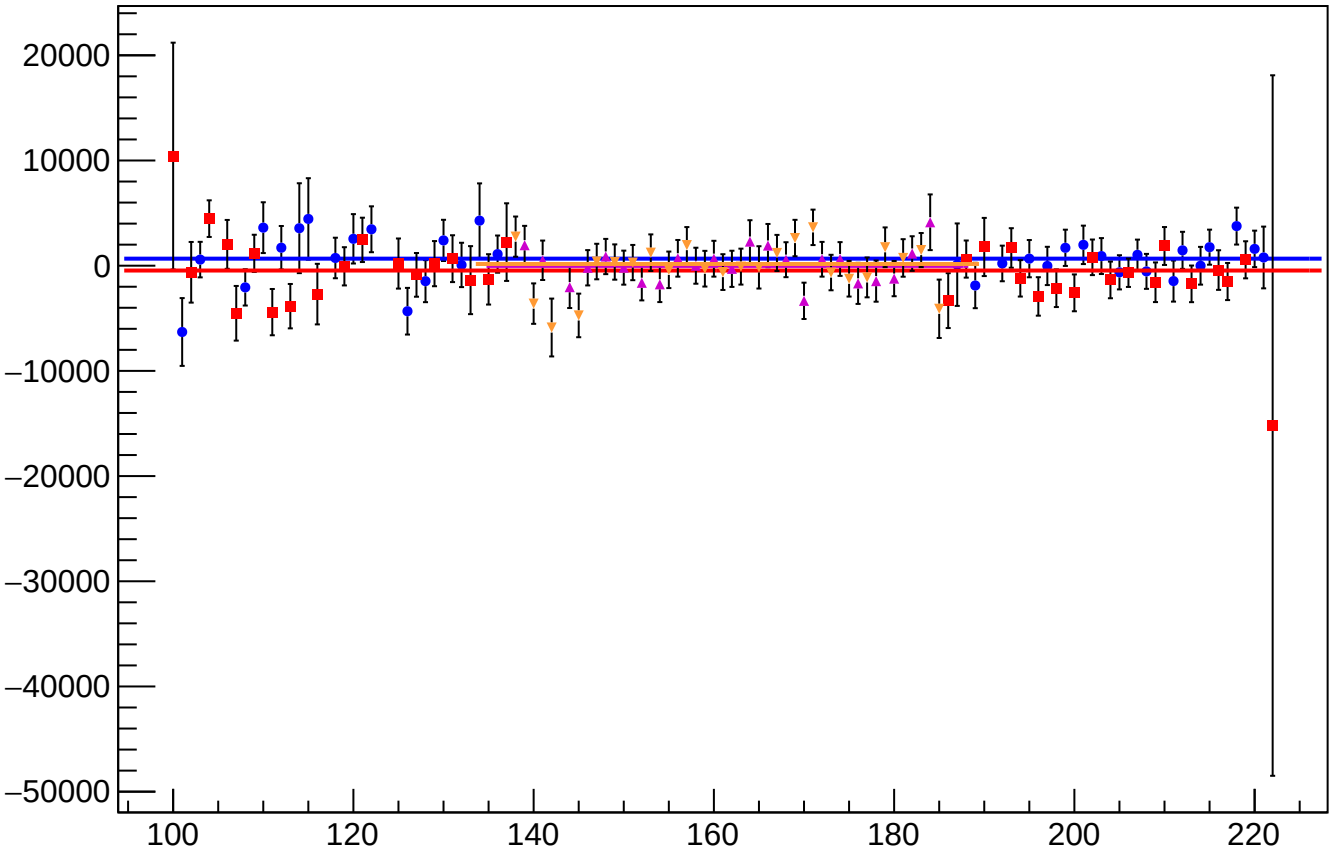
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 773.395+/-0.097 χ^2/NDF: 21573695.4/69

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 498.602+/-0.064 χ^2/NDF:19039480.6/59

All: 509.843+/-0.046 χ^2/NDF: 37697125.0/1



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: -459.571+/-341.238 χ^2/NDF: 35.2/35

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

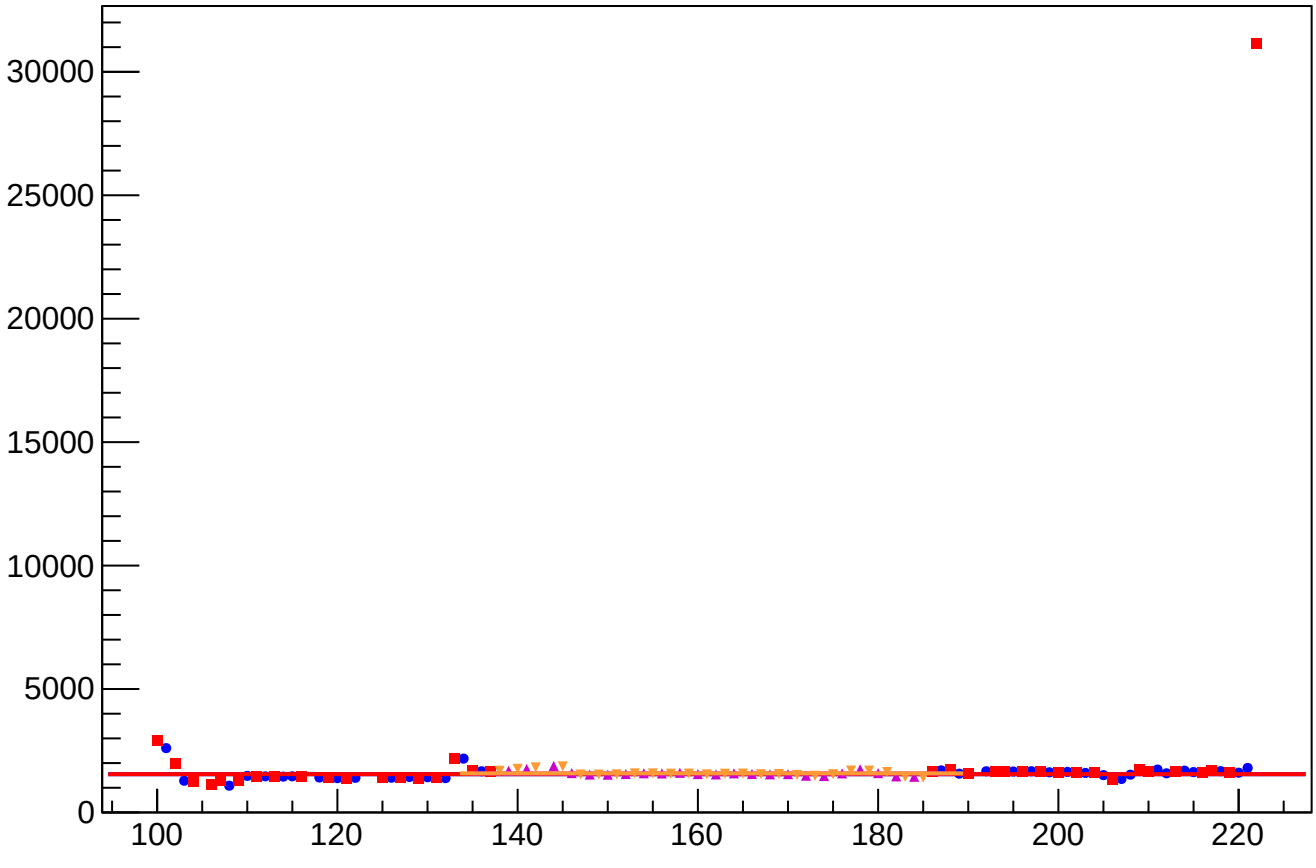
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 111.181+/-239.911 χ^2/NDF: 70.7/69

In: 355.931+/-249.227 χ^2/NDF:47.8/56

Out: -172.702+/-250.333 χ^2/NDF:66.7/59

All: 92.785+/-176.620 χ^2/NDF: 116.7/116



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: 1551.168+/-0.241 χ^2/NDF: 2151447.4/35

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

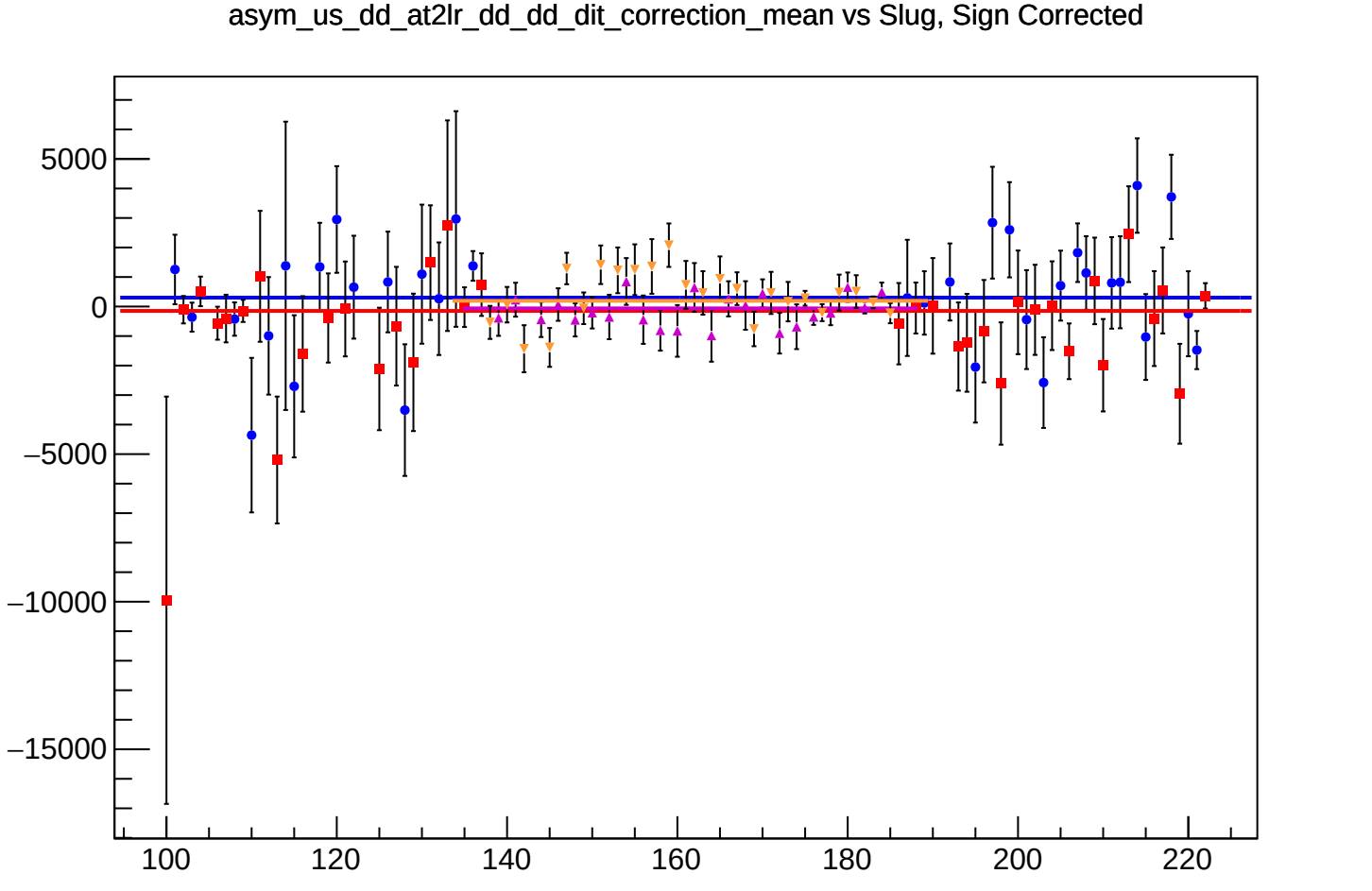
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1549.639+/-0.170 χ^2/NDF: 2845315.4/69

In: 1562.826+/-0.176 χ^2/NDF:827872.4/56

Out: 1566.180+/-0.177 χ^2/NDF:2293411.5/59

All: 1564.495+/-0.125 χ^2/NDF: 3121464.2/11



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: -148.203+/-158.407 χ^2/NDF: 28.2/35

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

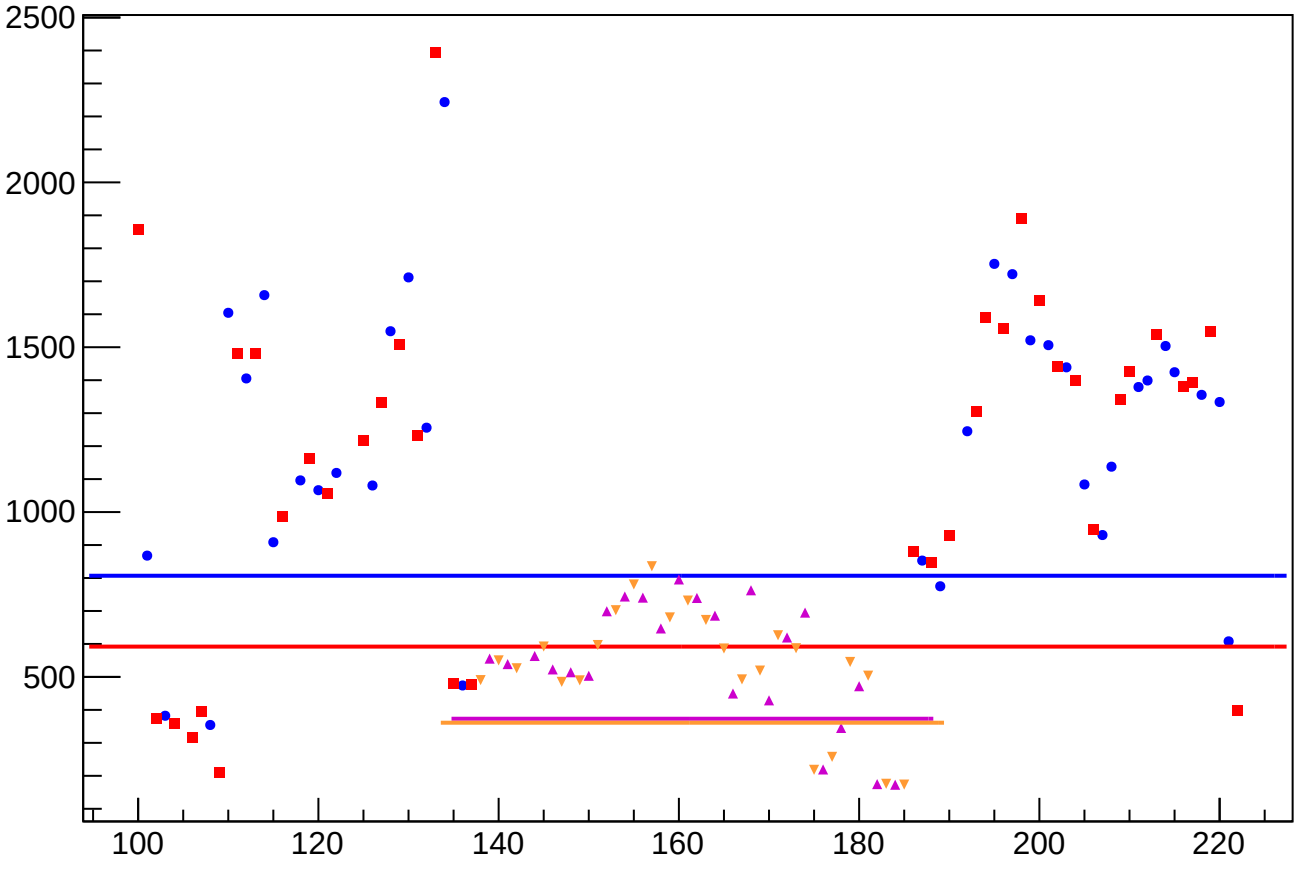
Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

Right: 27.635+/-123.610 χ^2/NDF: 83.9/69

In: 11.582+/-89.029 χ^2/NDF:72.3/56

Out: 101.720+/-82.033 χ^2/NDF:71.7/59

All: 60.331+/-60.328 χ^2/NDF: 144.5/116



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: 591.949+/-0.112 χ^2/NDF: 15376937.1/35

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

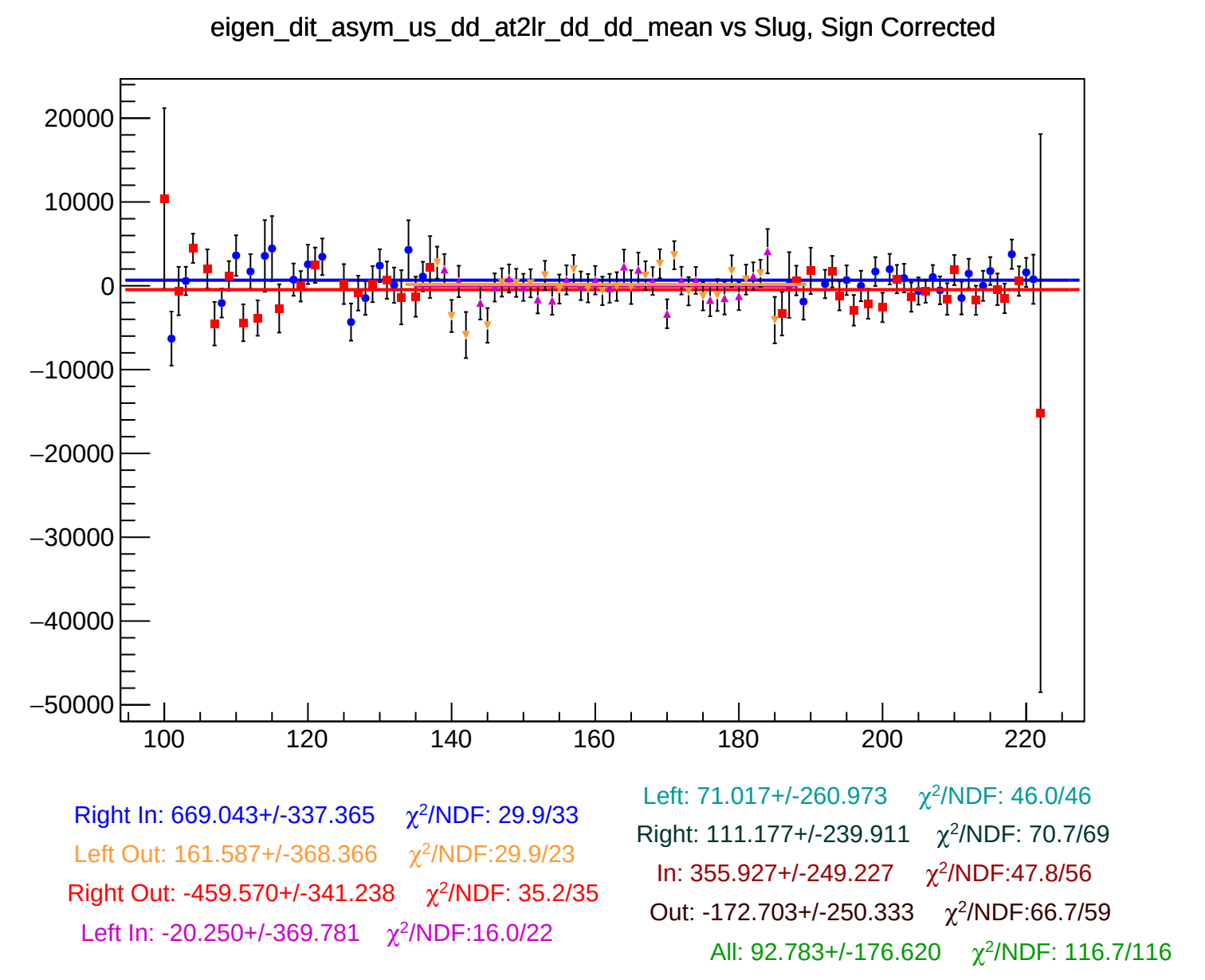
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

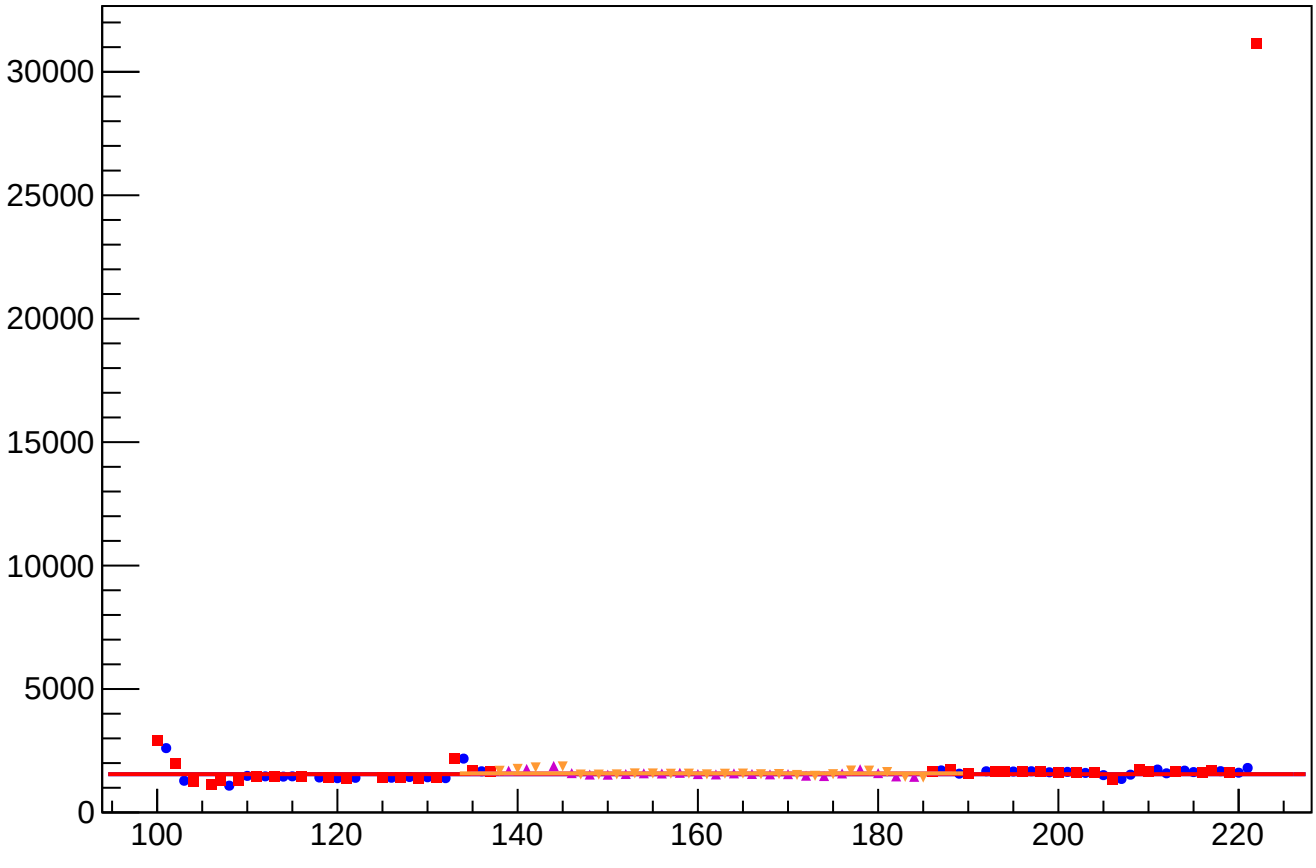
Right: 676.000+/-0.087 χ^2/NDF: 26692315.7/69

In: 461.132+/-0.063 χ^2/NDF:25759261.6/56

Out: 423.010+/-0.058 χ^2/NDF:26668486.4/59

All: 440.515+/-0.043 χ^2/NDF: 52626078.5/1


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 669.043+/-337.365 χ²/NDF: 29.9/33
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -459.570+/-341.238 χ²/NDF: 35.2/35
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 111.177+/-239.911 χ²/NDF: 70.7/69
In: 355.927+/-249.227 χ²/NDF:47.8/56
Out: -172.703+/-250.333 χ²/NDF:66.7/59
All: 92.783+/-176.620 χ²/NDF: 116.7/116



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: 1551.168+/-0.241 χ^2/NDF: 2151447.4/35

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

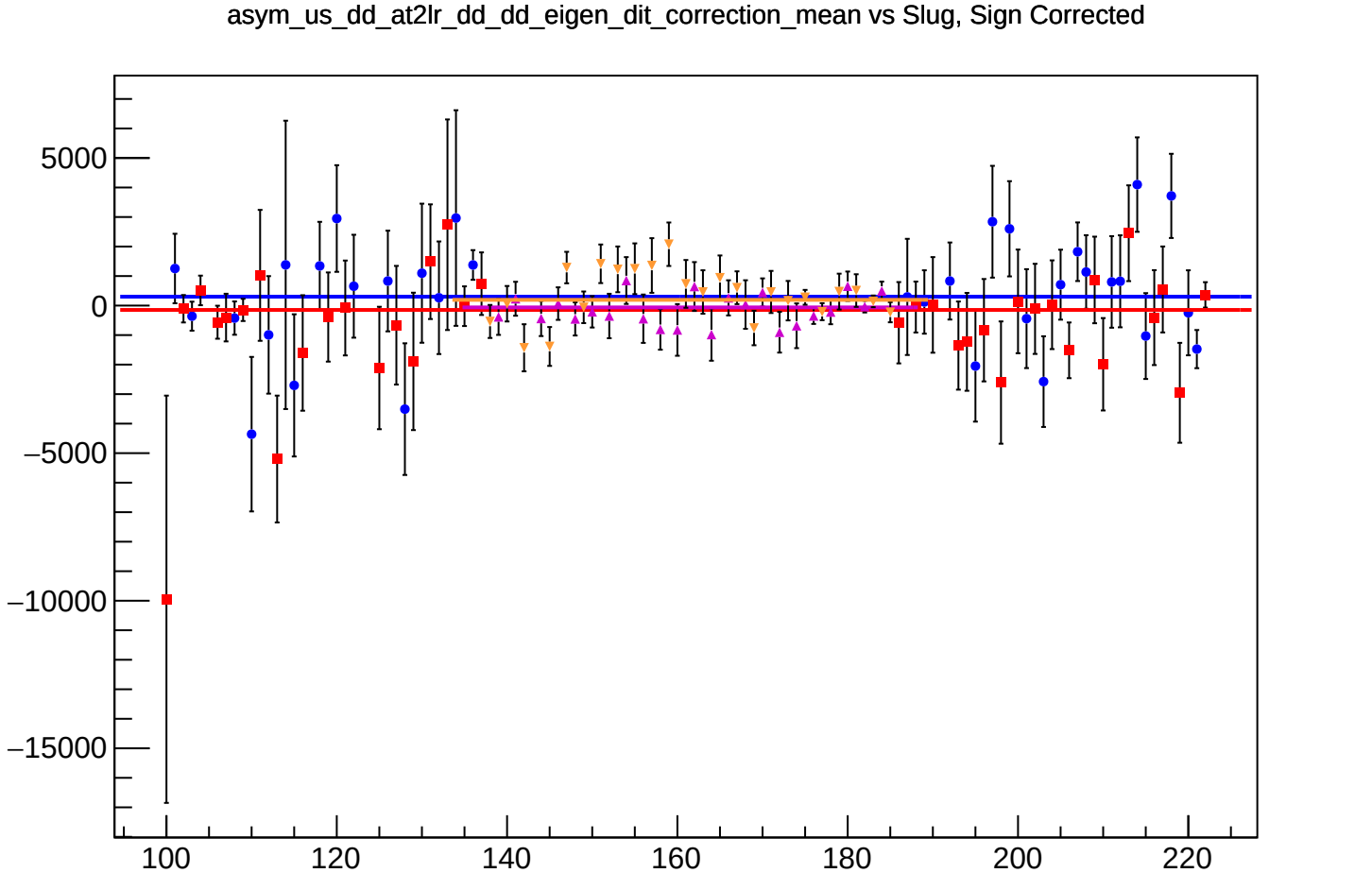
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

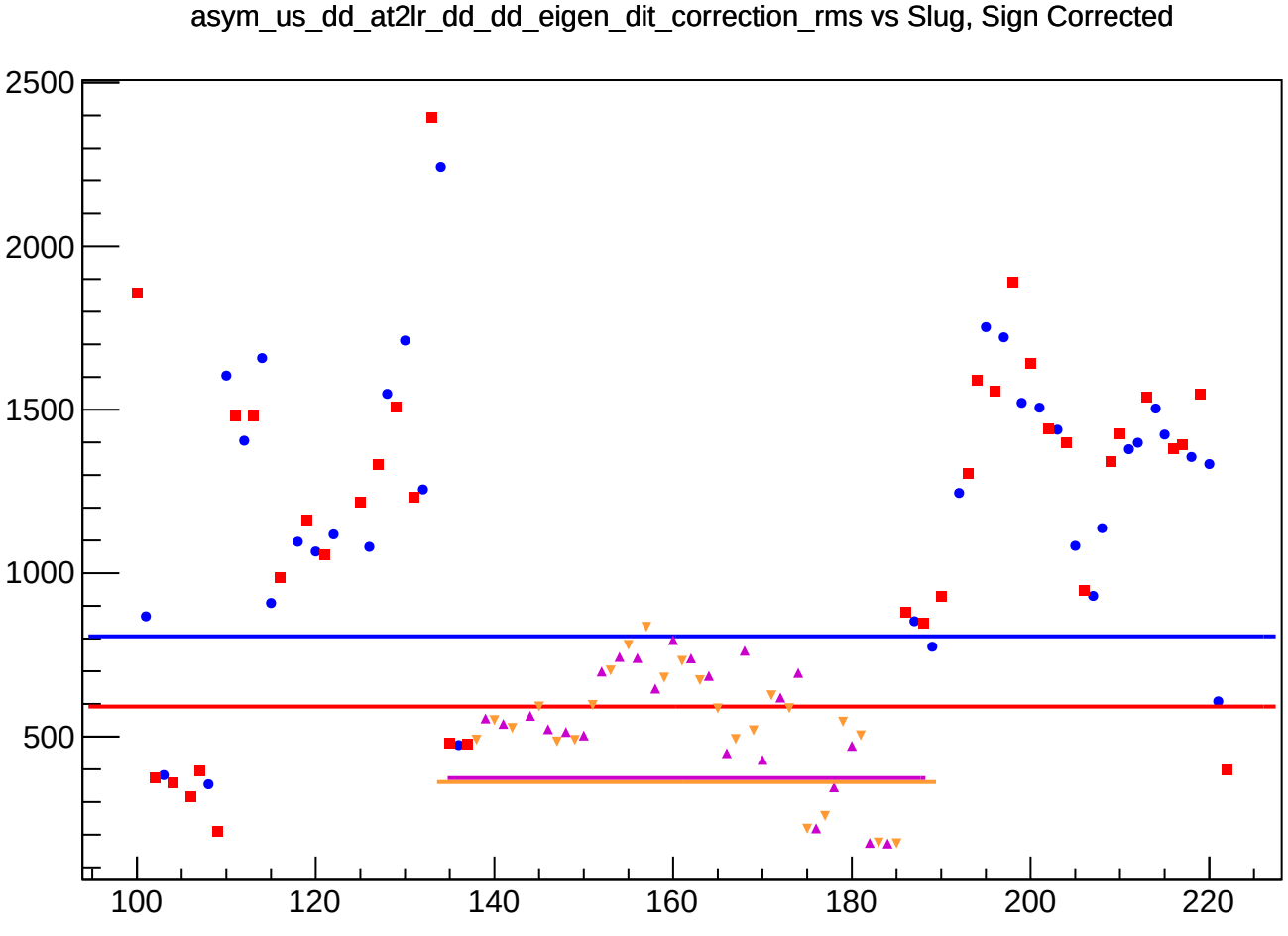
Right: 1549.639+/-0.170 χ^2/NDF: 2845314.9/69

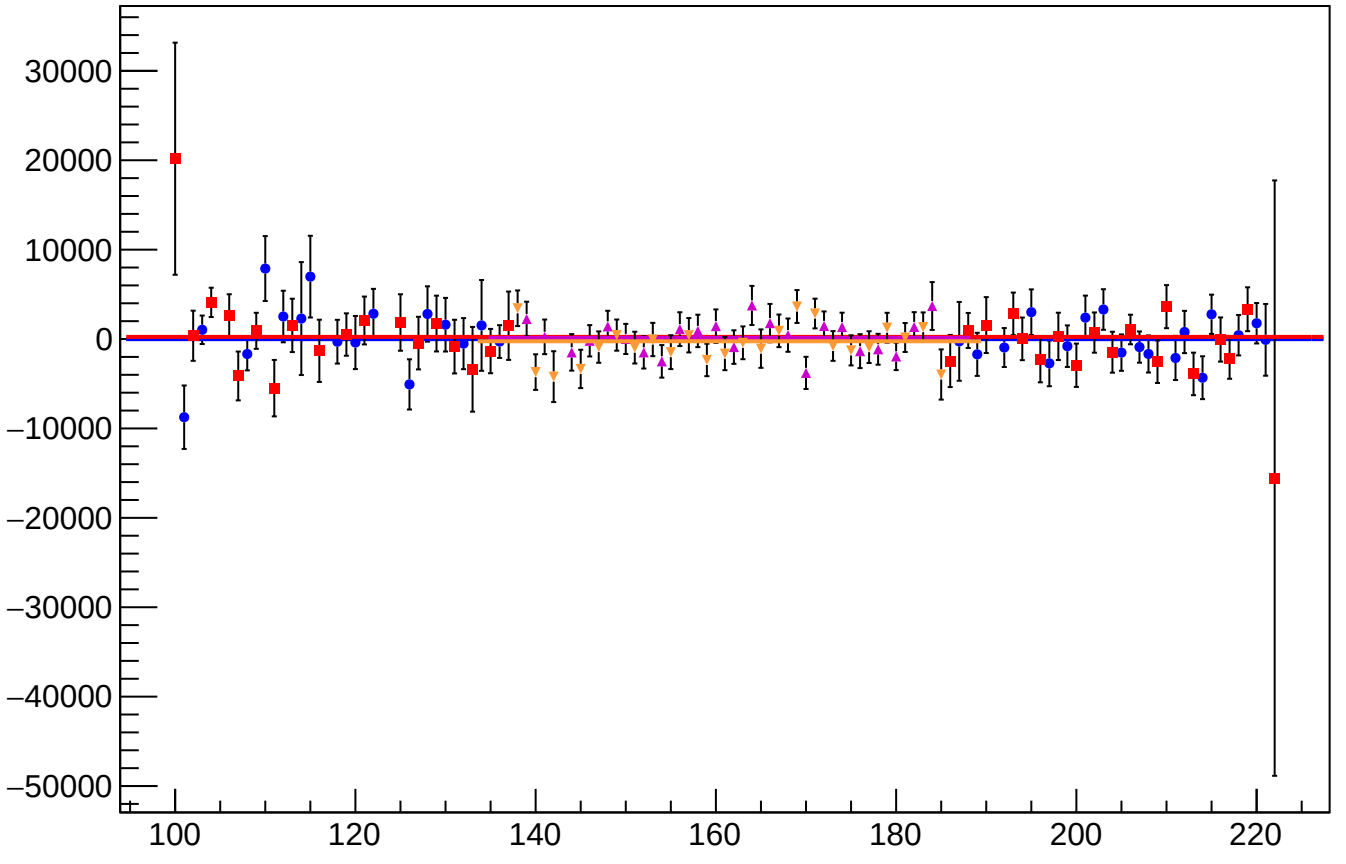
In: 1562.826+/-0.176 χ^2/NDF:827871.8/56

Out: 1566.180+/-0.177 χ^2/NDF:2293411.6/59

All: 1564.495+/-0.125 χ^2/NDF: 3121463.7/11


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 301.417+/-197.660 χ²/NDF: 52.5/33
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -148.201+/-158.408 χ²/NDF: 28.2/35
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 27.638+/-123.610 χ²/NDF: 83.9/69
In: 11.585+/-89.030 χ²/NDF:72.3/56
Out: 101.724+/-82.034 χ²/NDF:71.7/59
All: 60.335+/-60.329 χ²/NDF: 144.5/116


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 806.868+/-0.140 χ²/NDF: 9875551.6/33
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 591.955+/-0.112 χ²/NDF: 15376744.9/35
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
Left: 366.889+/-0.049 χ²/NDF: 16405230.8/46
Right: 676.004+/-0.087 χ²/NDF: 26692000.0/69
In: 461.137+/-0.063 χ²/NDF:25758764.4/56
Out: 423.014+/-0.058 χ²/NDF:26668163.1/59
All: 440.519+/-0.043 χ²/NDF: 52625261.1/11



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: 241.679+/-426.954 χ^2/NDF: 32.8/35

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

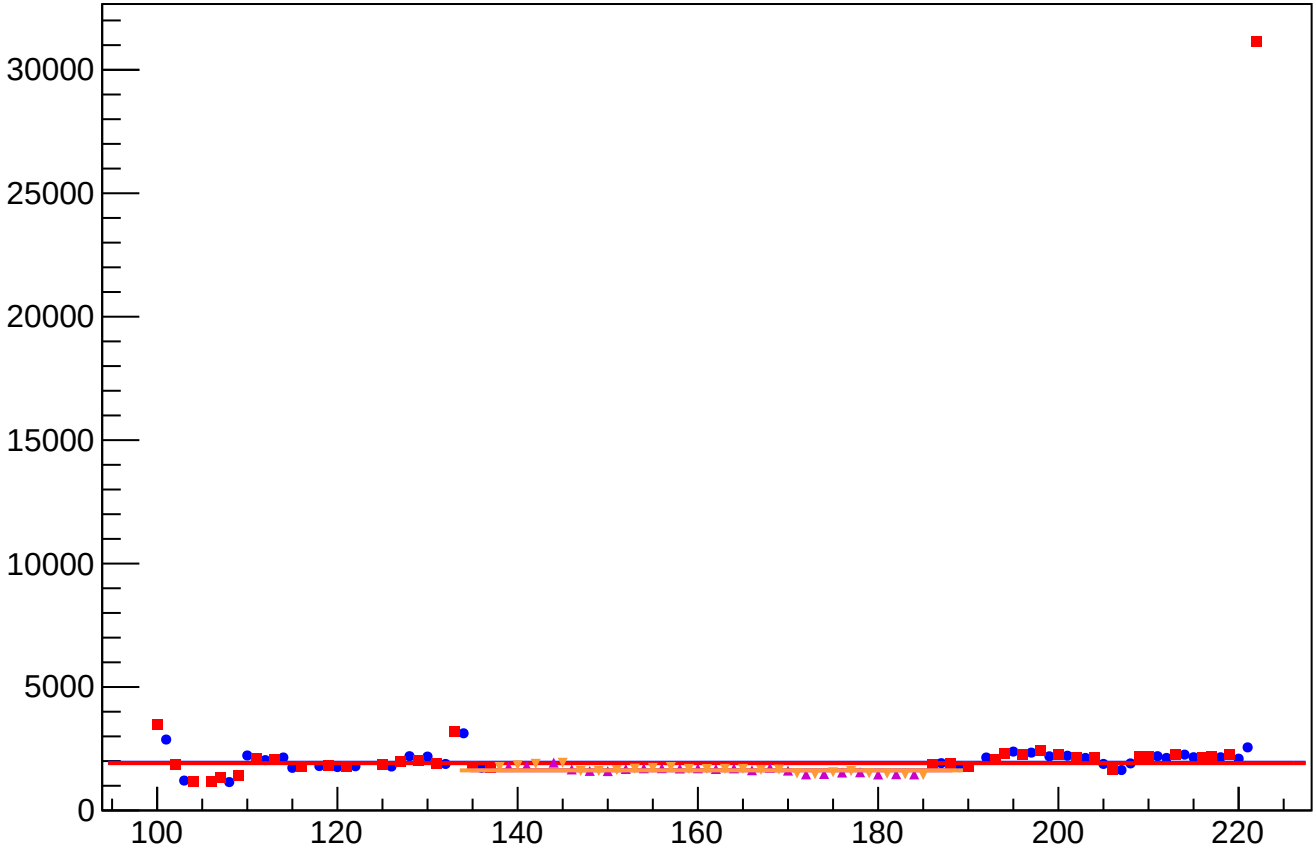
Right: 114.985+/-301.490 χ^2/NDF: 68.0/69

In: 65.083+/-284.053 χ^2/NDF:56.3/56

Out: -32.189+/-283.113 χ^2/NDF:59.6/59

All: 16.285+/-200.523 χ^2/NDF: 116.0/116

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: 1915.537+/-0.302 χ^2/NDF: 3051413.3/35

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

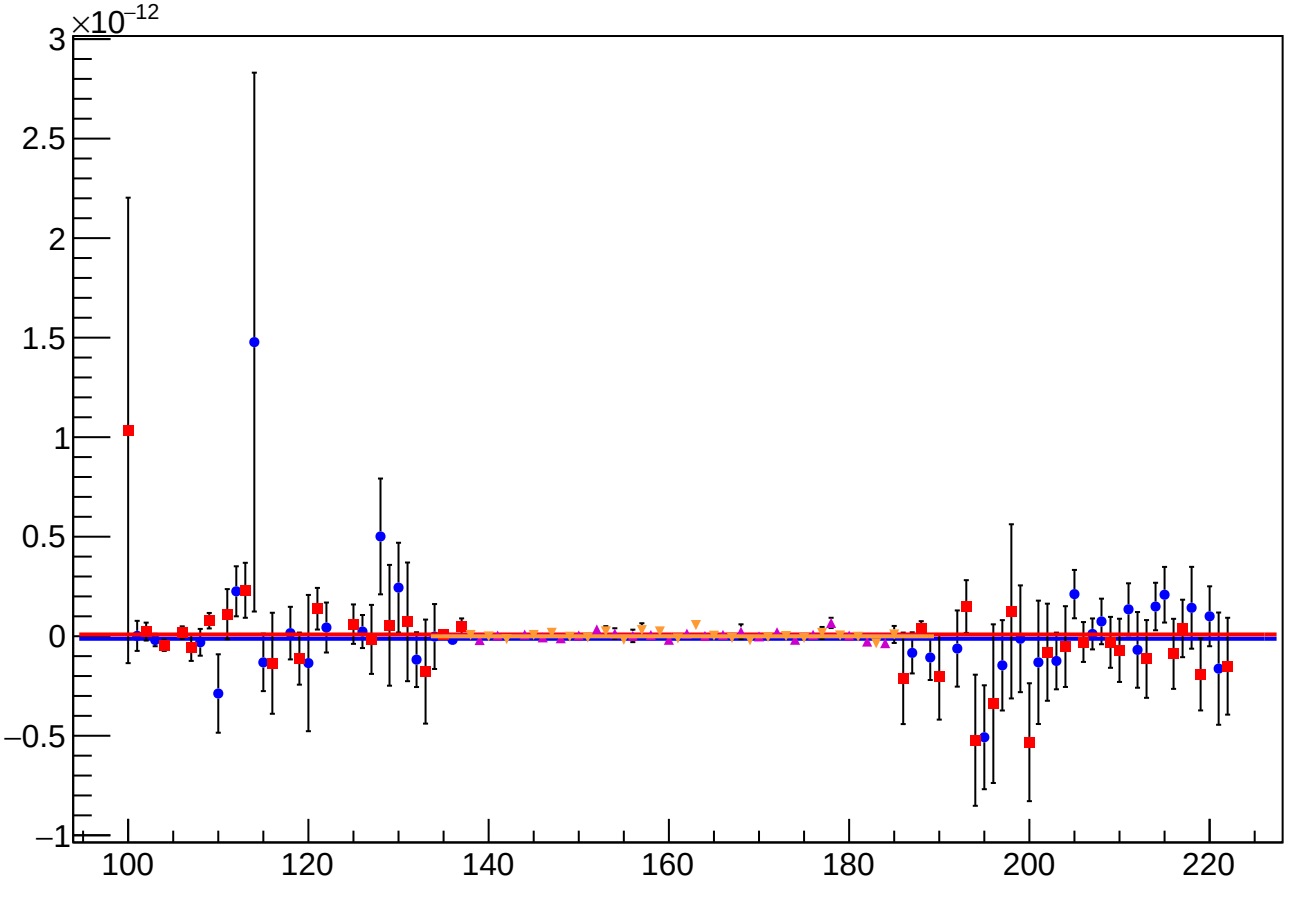
Right: 1924.185+/-0.213 χ^2/NDF: 4623900.7/69

In: 1763.768+/-0.201 χ^2/NDF:2343607.0/56

Out: 1752.534+/-0.200 χ^2/NDF:3778960.7/59

All: 1758.132+/-0.142 χ^2/NDF: 6124137.1/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/35

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

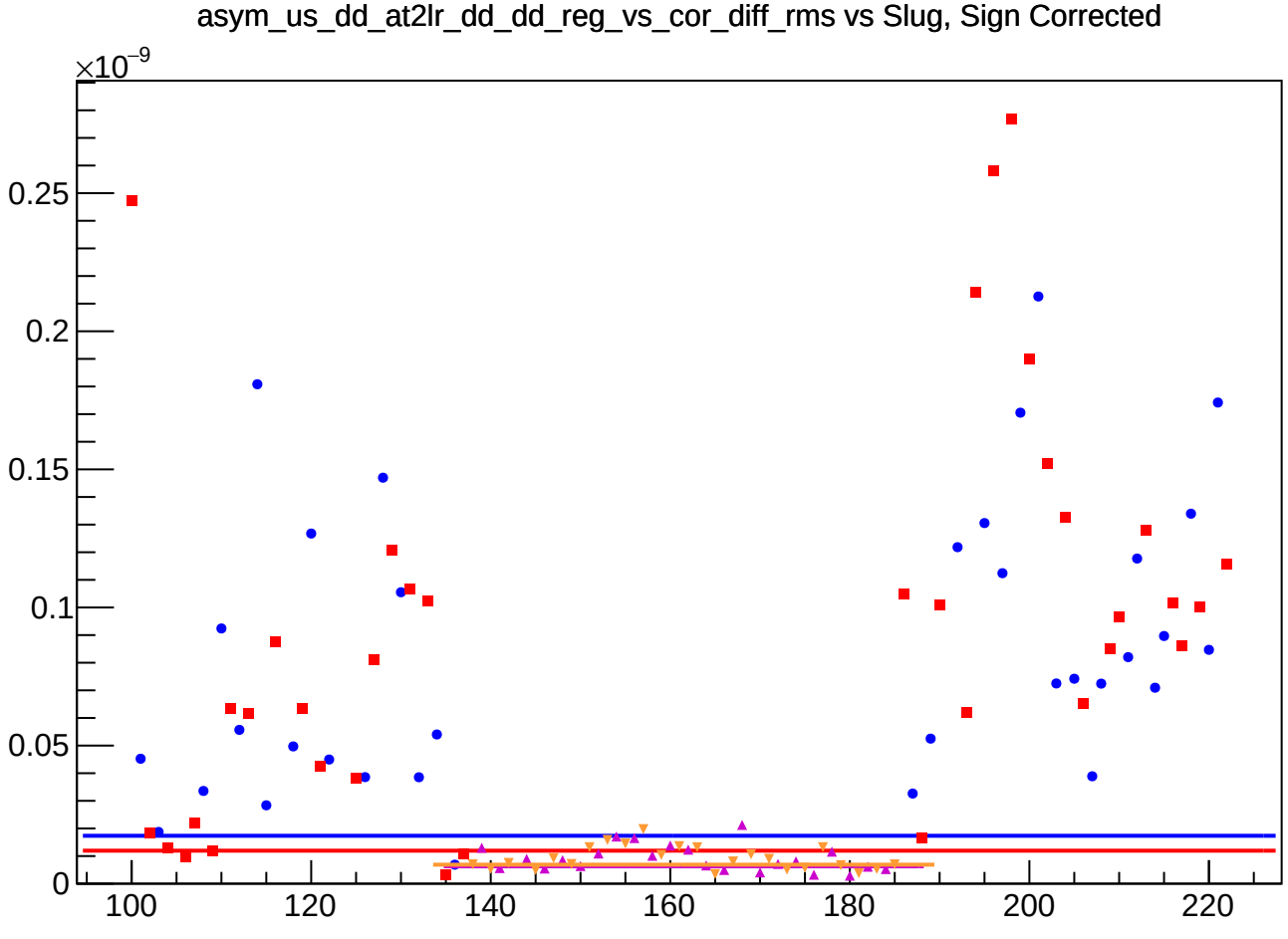
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 63.4/69

In: 0.000+/-0.000 χ^2/NDF:56.8/56

Out: 0.000+/-0.000 χ^2/NDF:53.7/59

All: 0.000+/-0.000 χ^2/NDF: 110.6/116



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: 13573222.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

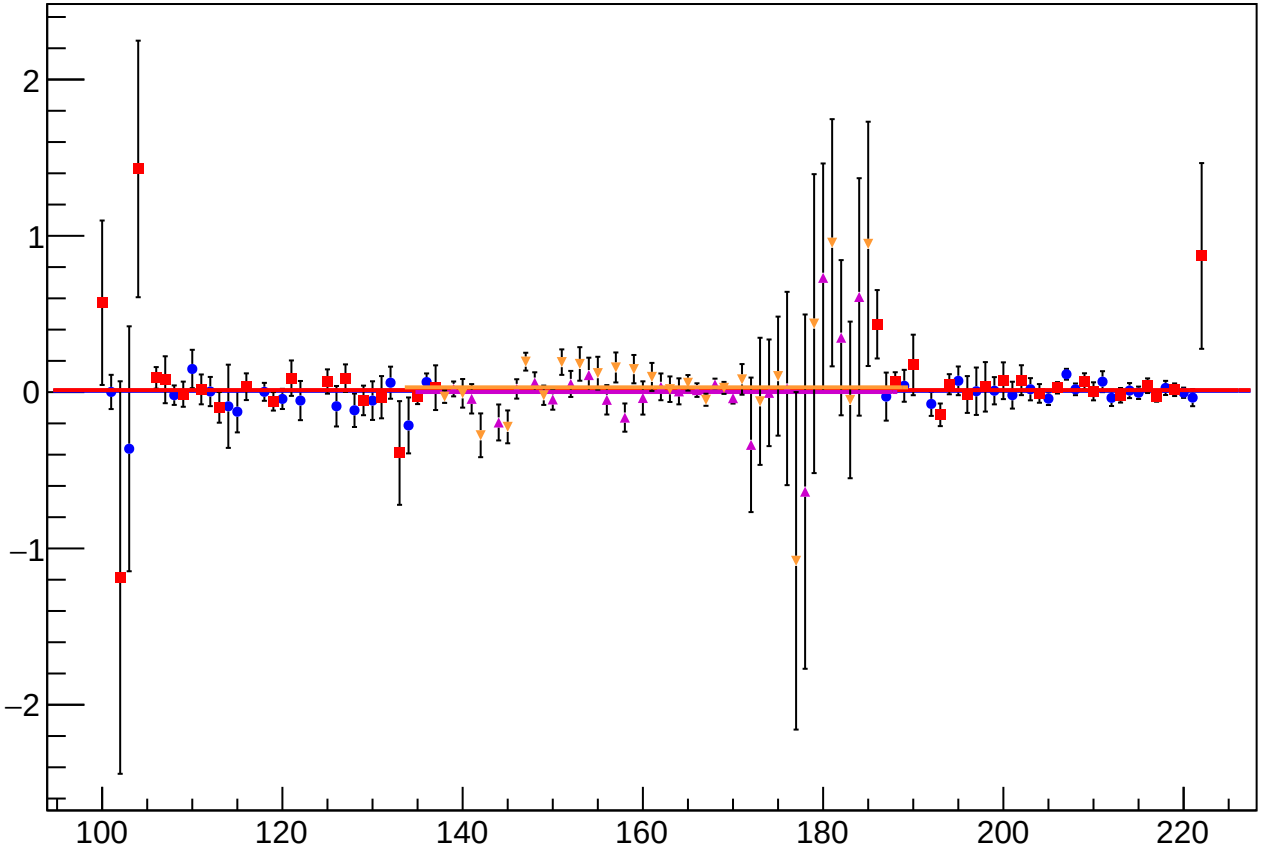
Right: 0.000+/-0.000 χ^2/NDF: 25903212.9/69

In: 0.000+/-0.000 χ^2/NDF:17225530.3/56

Out: 0.000+/-0.000 χ^2/NDF:16492277.0/59

All: 0.000+/-0.000 χ^2/NDF: 33734273.7/116

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 30.4/35

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

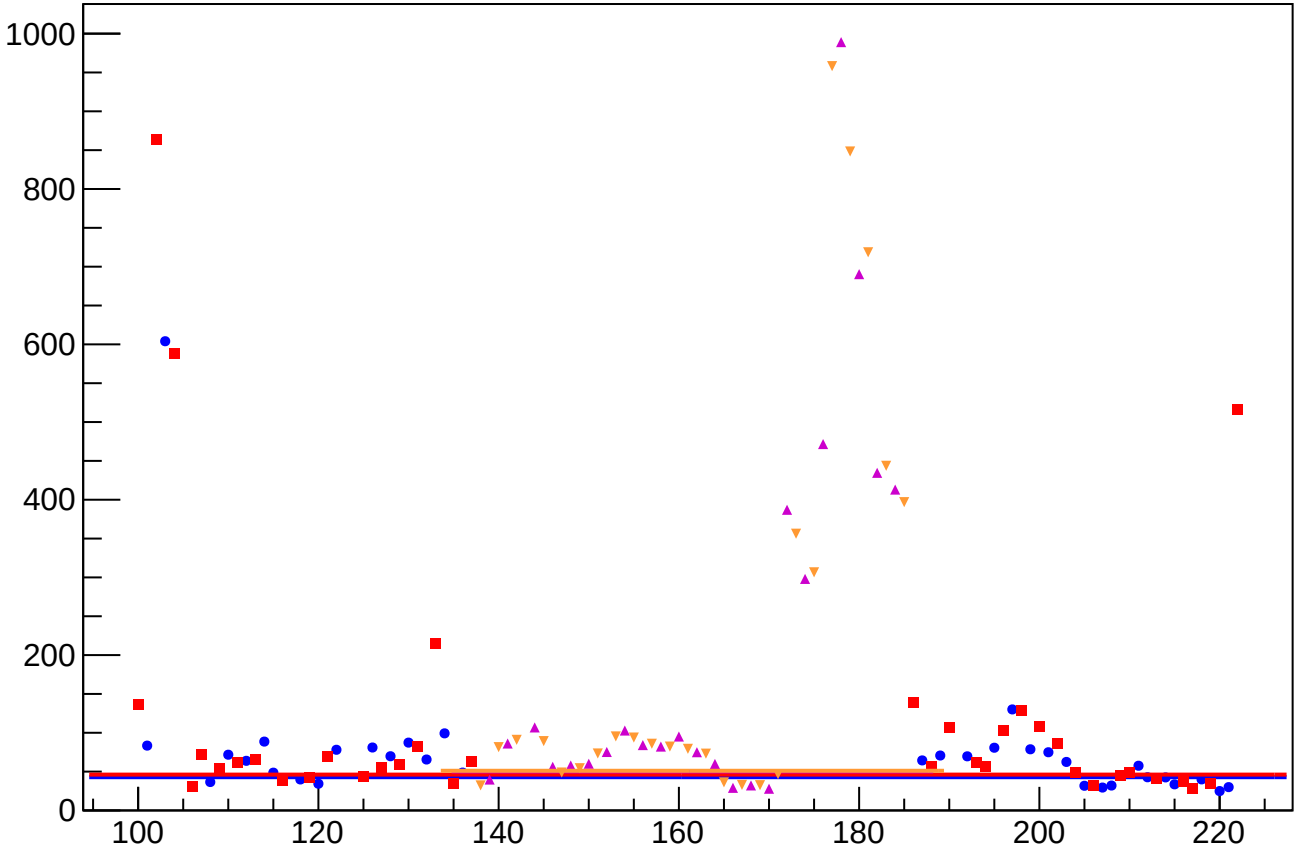
Right: 0.011+/-0.008 χ^2/NDF: 54.7/69

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:72.8/59

All: 0.012+/-0.006 χ^2/NDF: 114.3/116

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 46.146+/-0.008 χ^2/NDF: 8017114.3/35

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

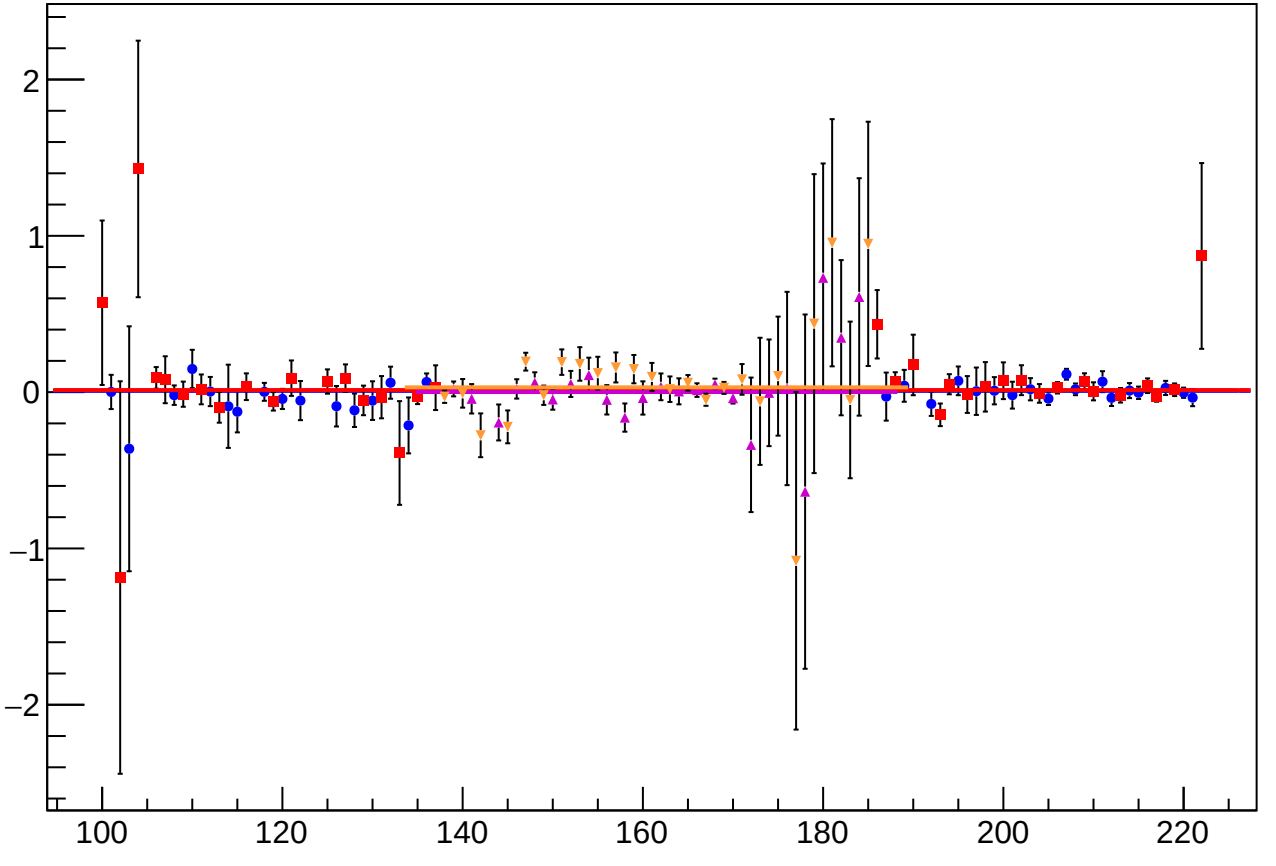
Right: 44.340+/-0.006 χ^2/NDF: 14507552.7/69

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 47.976+/-0.007 χ^2/NDF:19881747.5/59

All: 46.579+/-0.005 χ^2/NDF: 38879791.6/116

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: 30.4/35

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

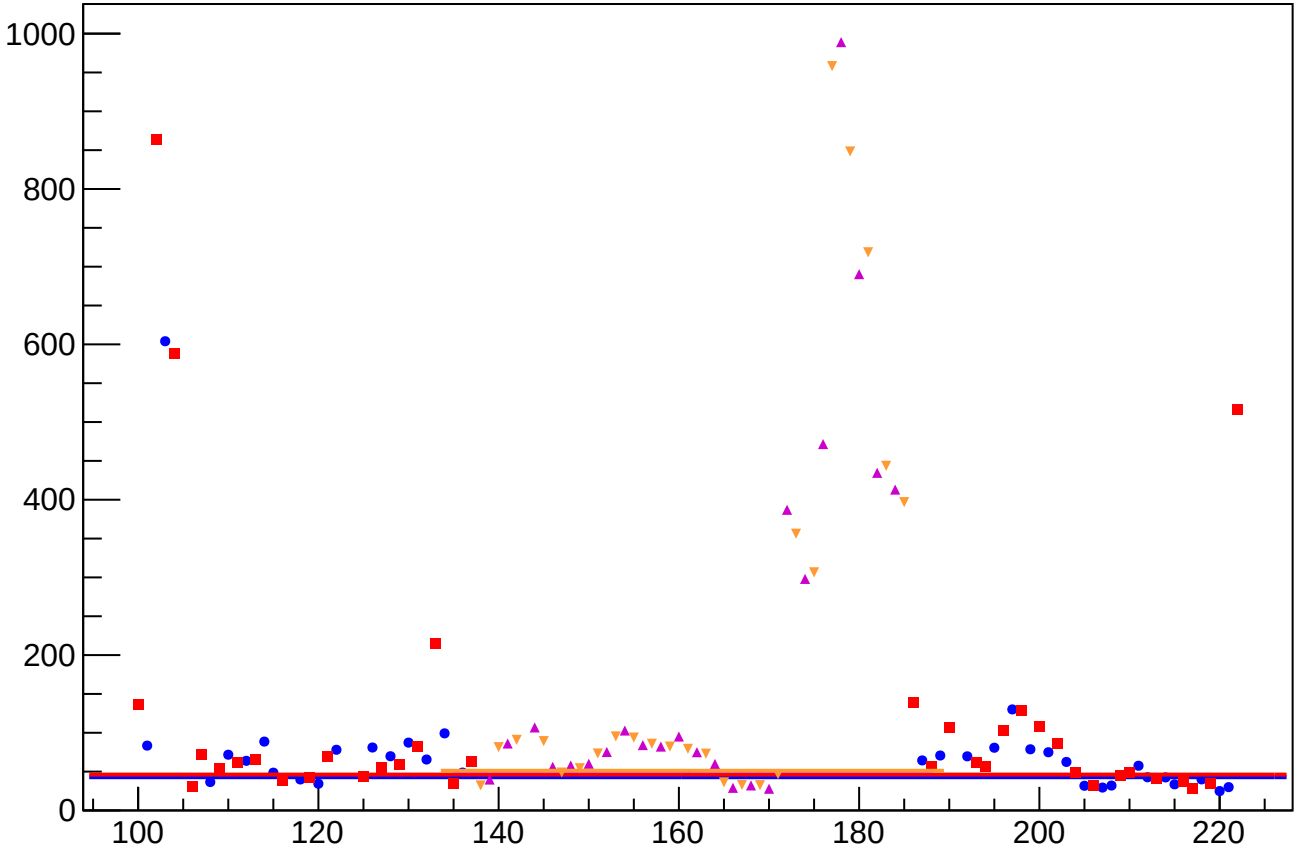
Right: 0.011+/-0.008 χ^2/NDF: 54.7/69

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:72.8/59

All: 0.012+/-0.006 χ^2/NDF: 114.3/116

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 46.146+/-0.008 χ^2/NDF: 8017114.3/35

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

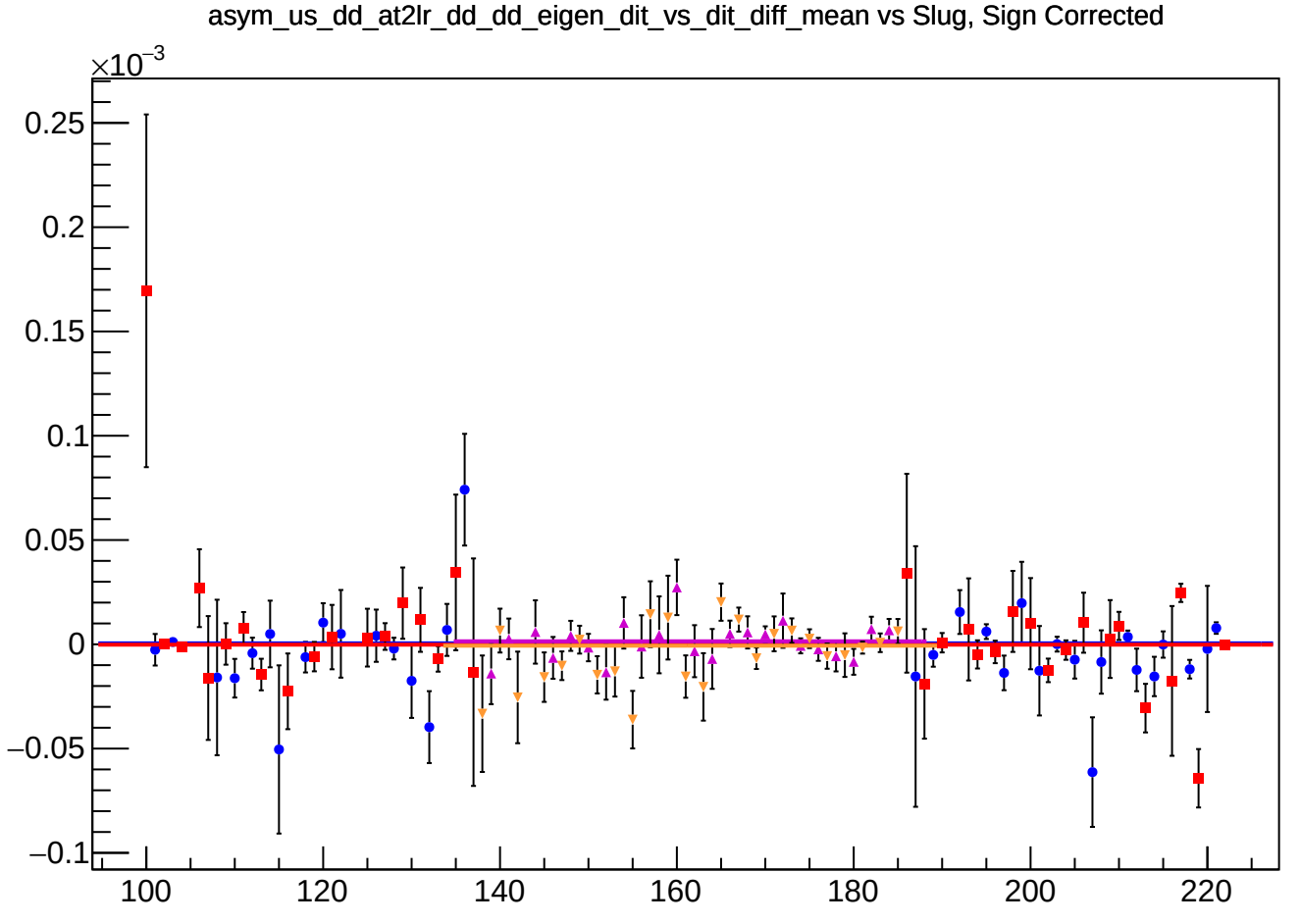
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 44.340+/-0.006 χ^2/NDF: 14507552.7/69

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 47.976+/-0.007 χ^2/NDF:19881747.5/59

All: 46.579+/-0.005 χ^2/NDF: 38879791.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 59.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 88.6/35

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

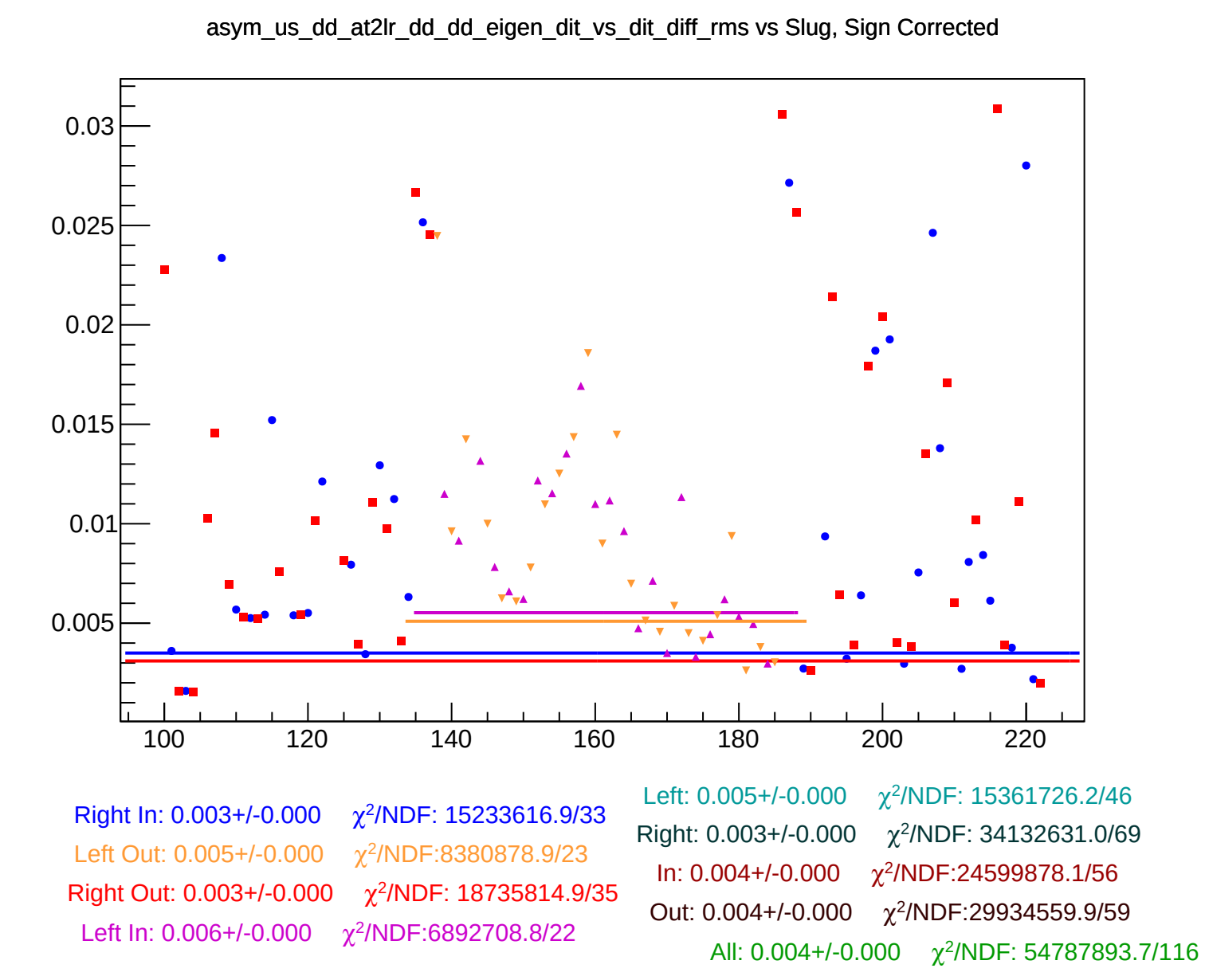
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: 0.000+/-0.000 χ^2/NDF: 147.9/69

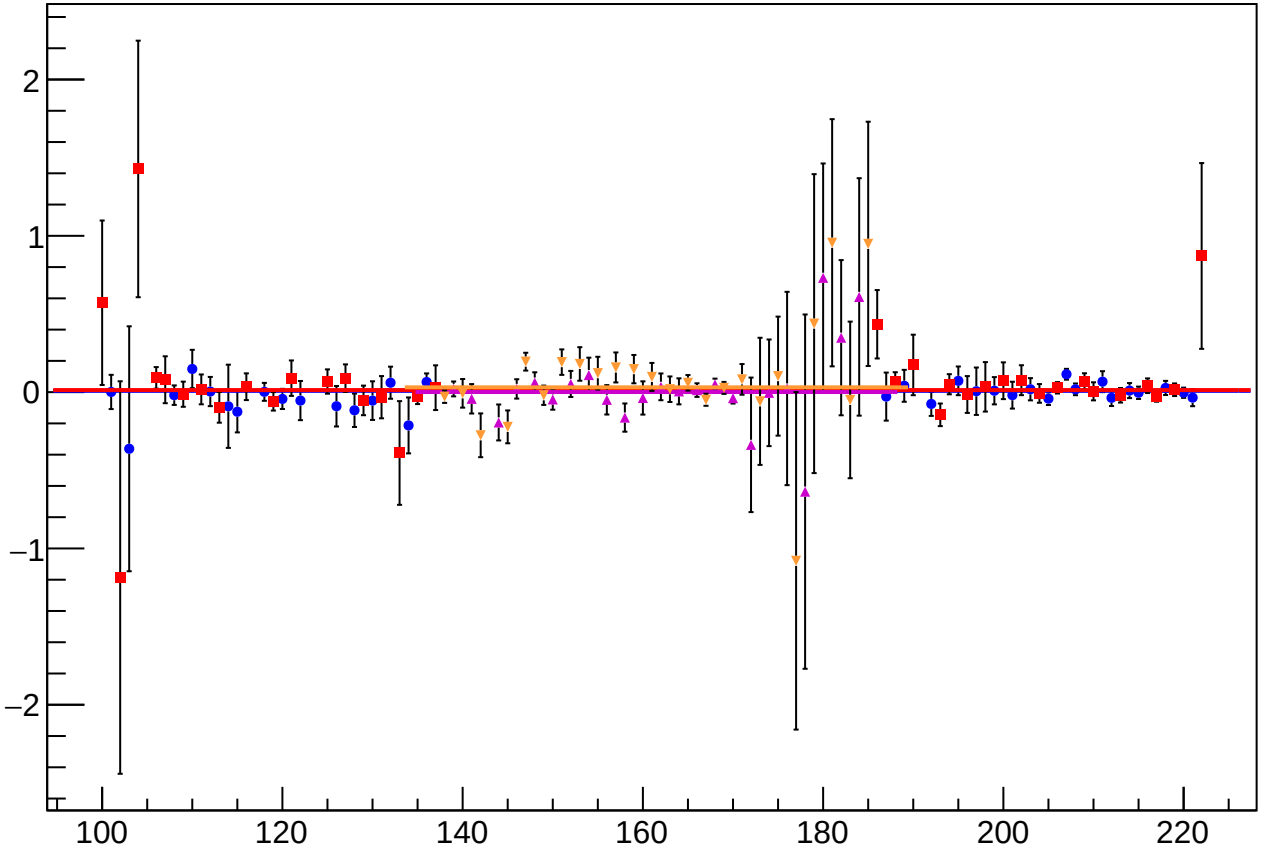
In: 0.000+/-0.000 χ^2/NDF:75.8/56

Out: -0.000+/-0.000 χ^2/NDF:127.2/59

All: 0.000+/-0.000 χ^2/NDF: 203.9/116


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 15233616.9/33
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 18735814.9/35
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
Left: 0.005+/-0.000 χ²/NDF: 15361726.2/46
Right: 0.003+/-0.000 χ²/NDF: 34132631.0/69
In: 0.004+/-0.000 χ²/NDF:24599878.1/56
Out: 0.004+/-0.000 χ²/NDF:29934559.9/59
All: 0.004+/-0.000 χ²/NDF: 54787893.7/116

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 30.4/35

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

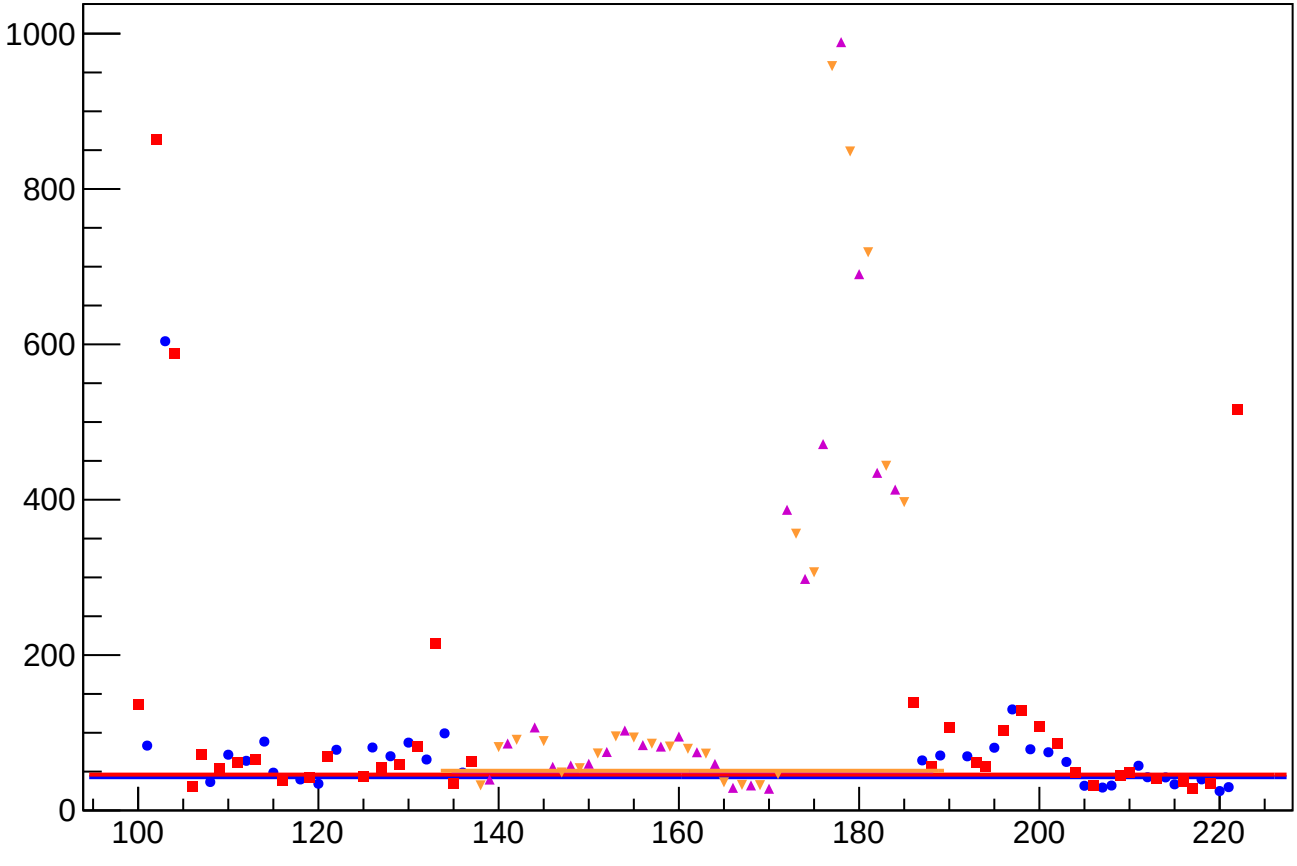
Right: 0.011+/-0.008 χ^2/NDF: 54.7/69

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:72.8/59

All: 0.012+/-0.006 χ^2/NDF: 114.3/116

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 46.149+/-0.008 χ^2/NDF: 8016314.3/35

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

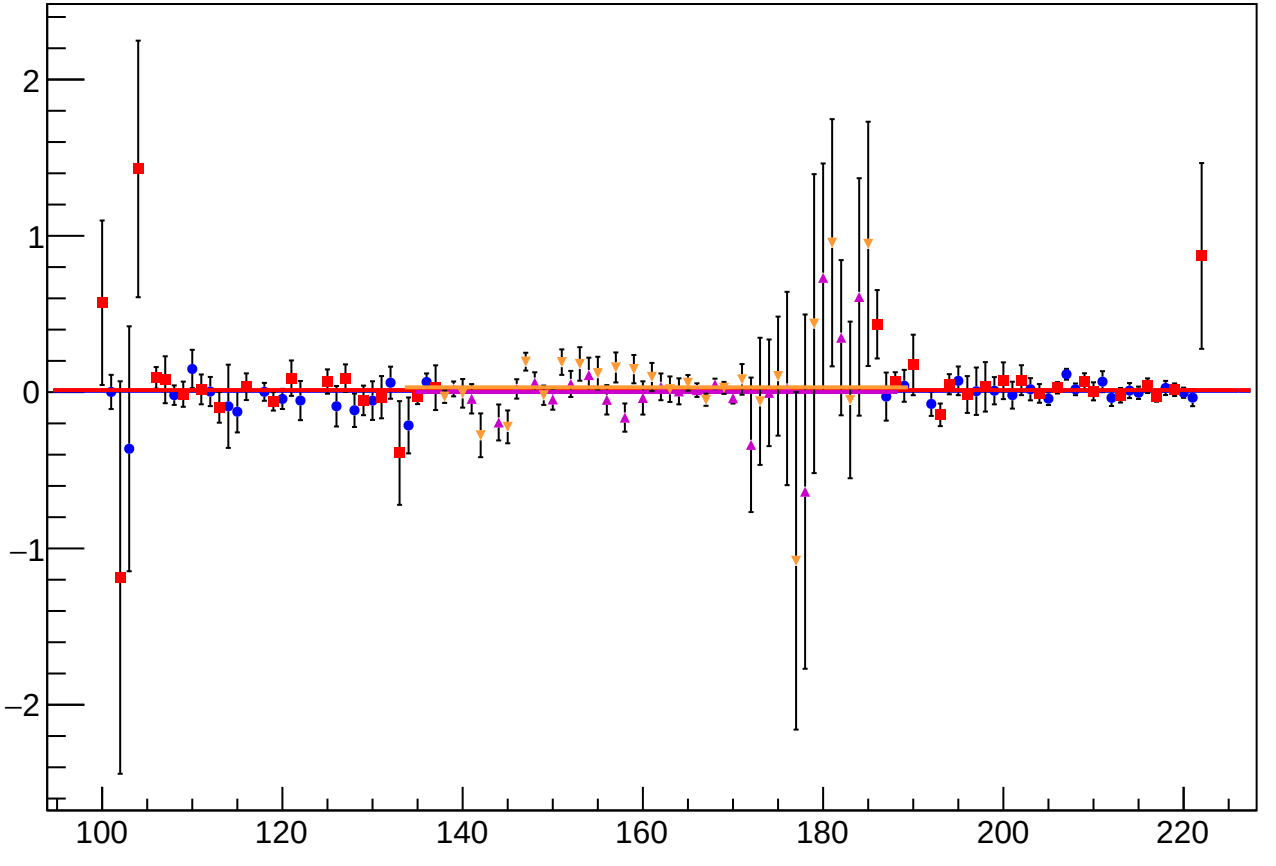
Right: 44.341+/-0.006 χ^2/NDF: 14507261.5/69

In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 47.979+/-0.007 χ^2/NDF:19880078.5/59

All: 46.580+/-0.005 χ^2/NDF: 38878664.2/116

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 30.4/35

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

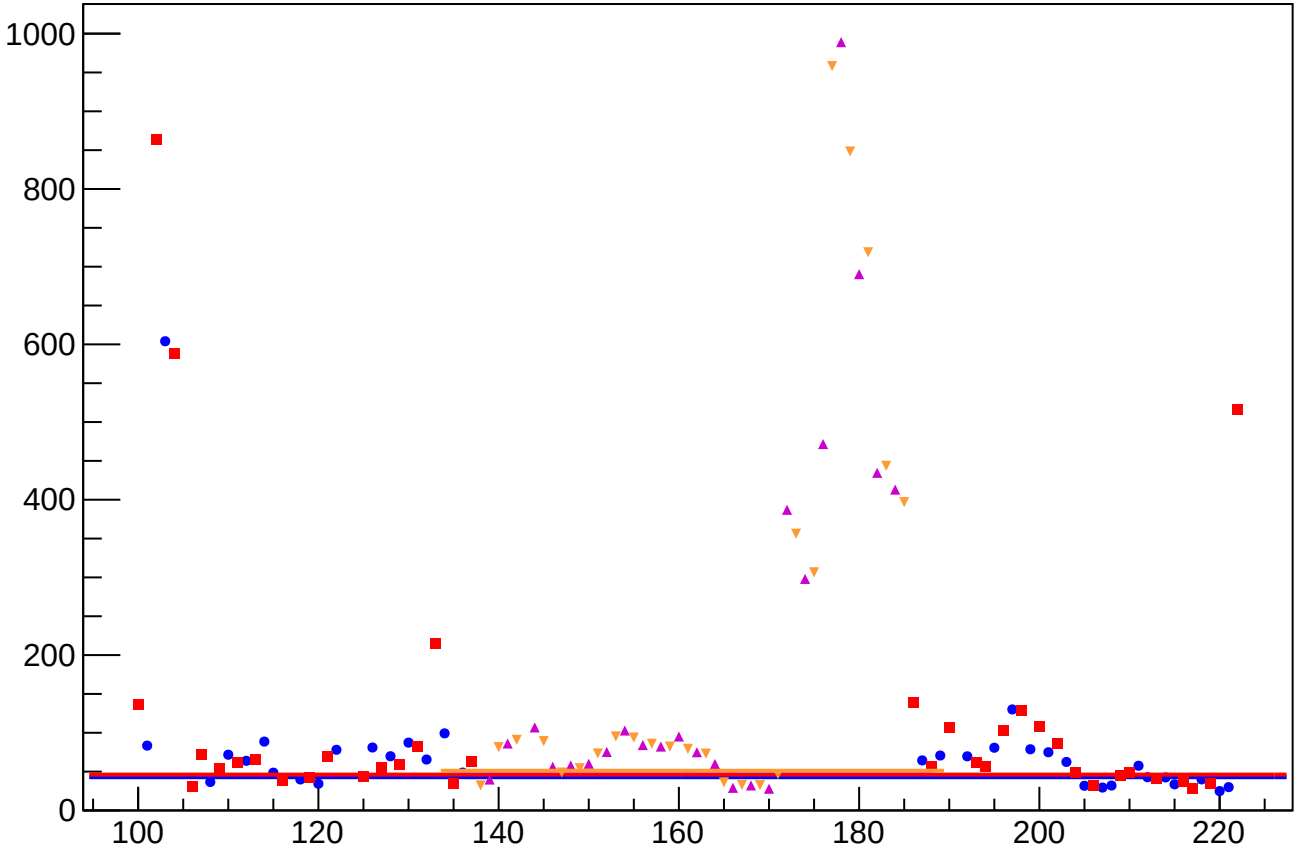
Right: 0.011+/-0.008 χ^2/NDF: 54.7/69

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:72.8/59

All: 0.012+/-0.006 χ^2/NDF: 114.3/116

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 46.149+/-0.008 χ^2/NDF: 8016314.3/35

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

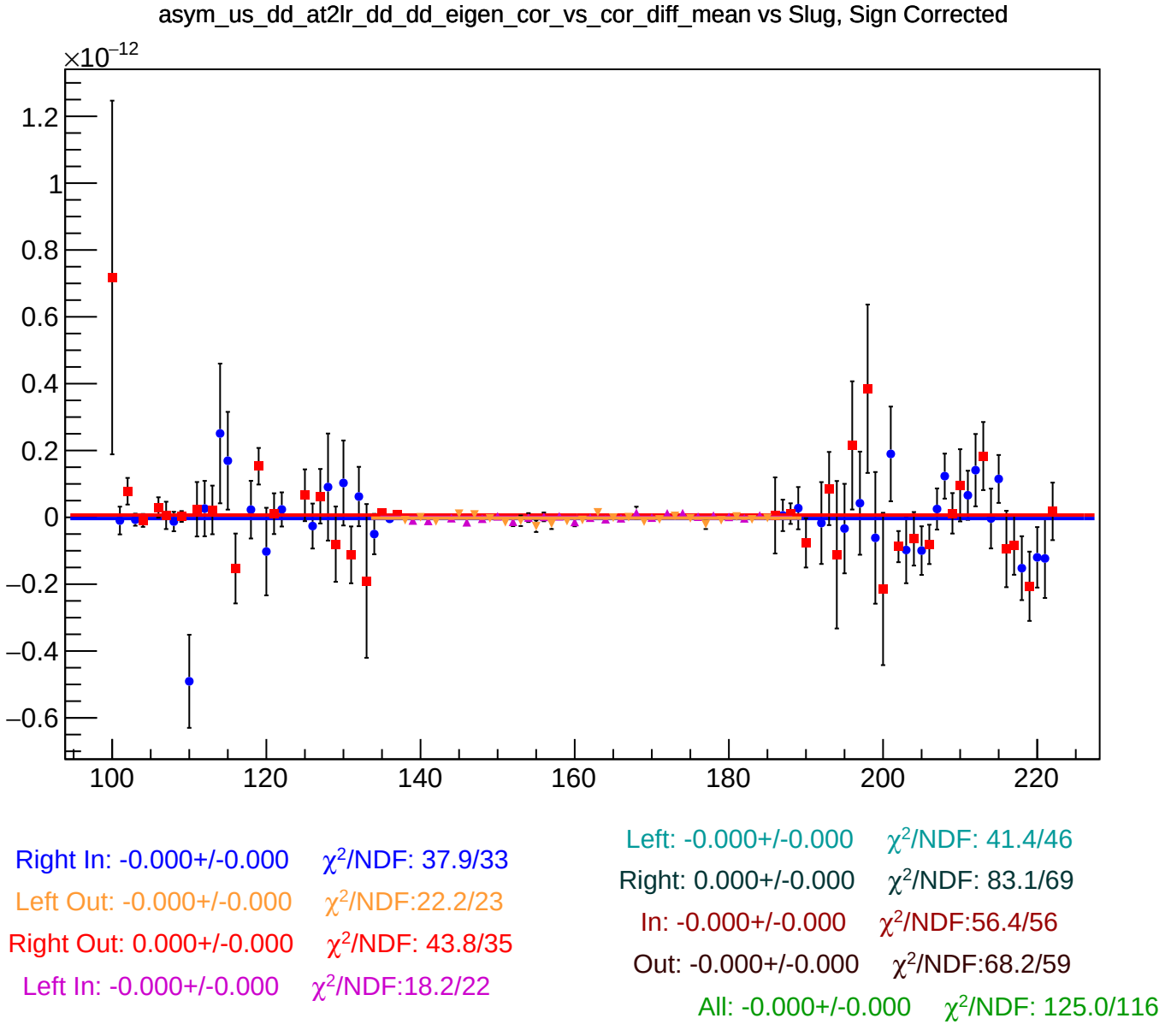
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 44.341+/-0.006 χ^2/NDF: 14507261.5/69

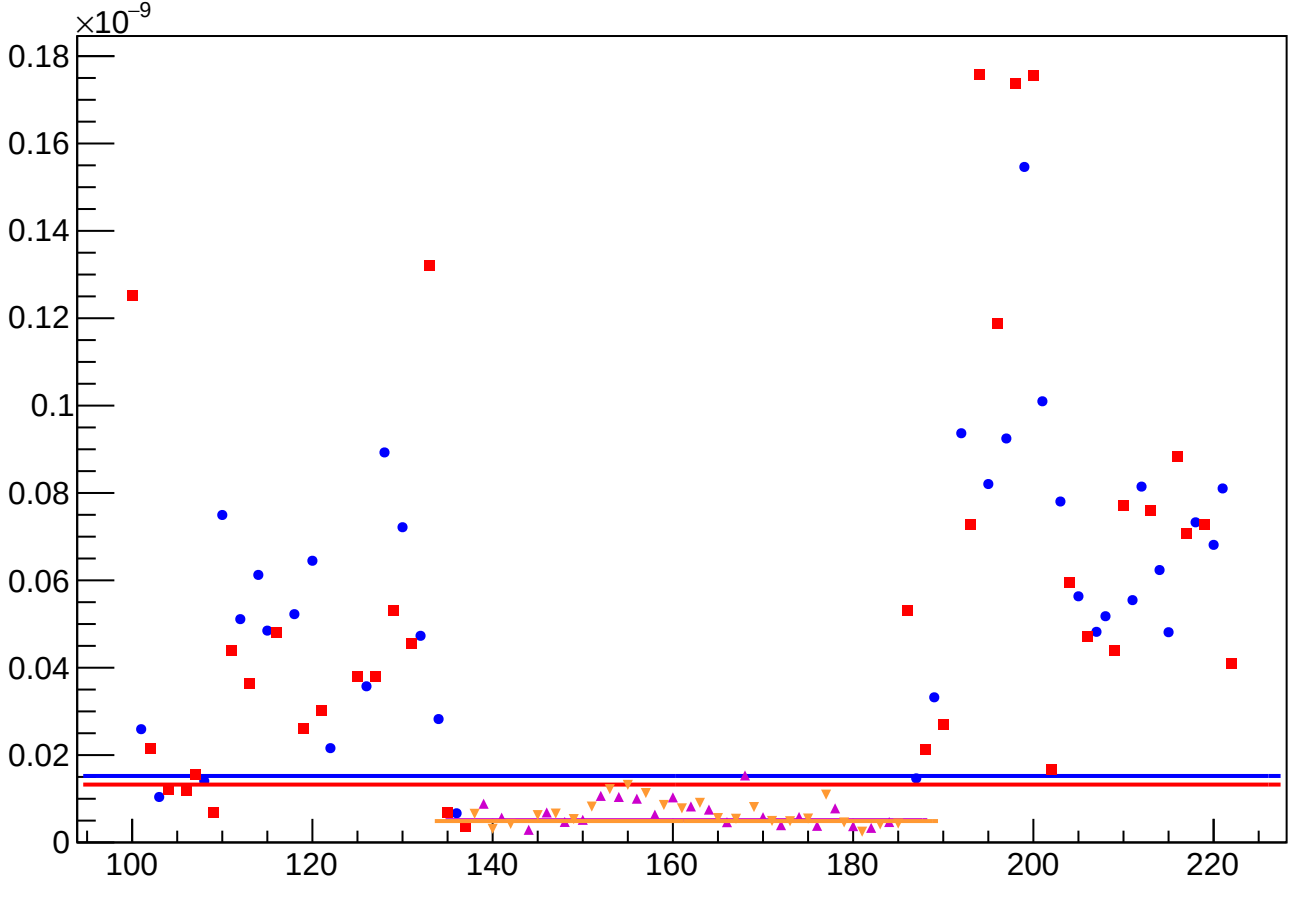
In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 47.979+/-0.007 χ^2/NDF:19880078.5/59

All: 46.580+/-0.005 χ^2/NDF: 38878664.2/116


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: 43.8/35
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: 83.1/69
In: -0.000+/-0.000 χ²/NDF:56.4/56
Out: -0.000+/-0.000 χ²/NDF:68.2/59
All: -0.000+/-0.000 χ²/NDF: 125.0/116

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: 15176110.4/35

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

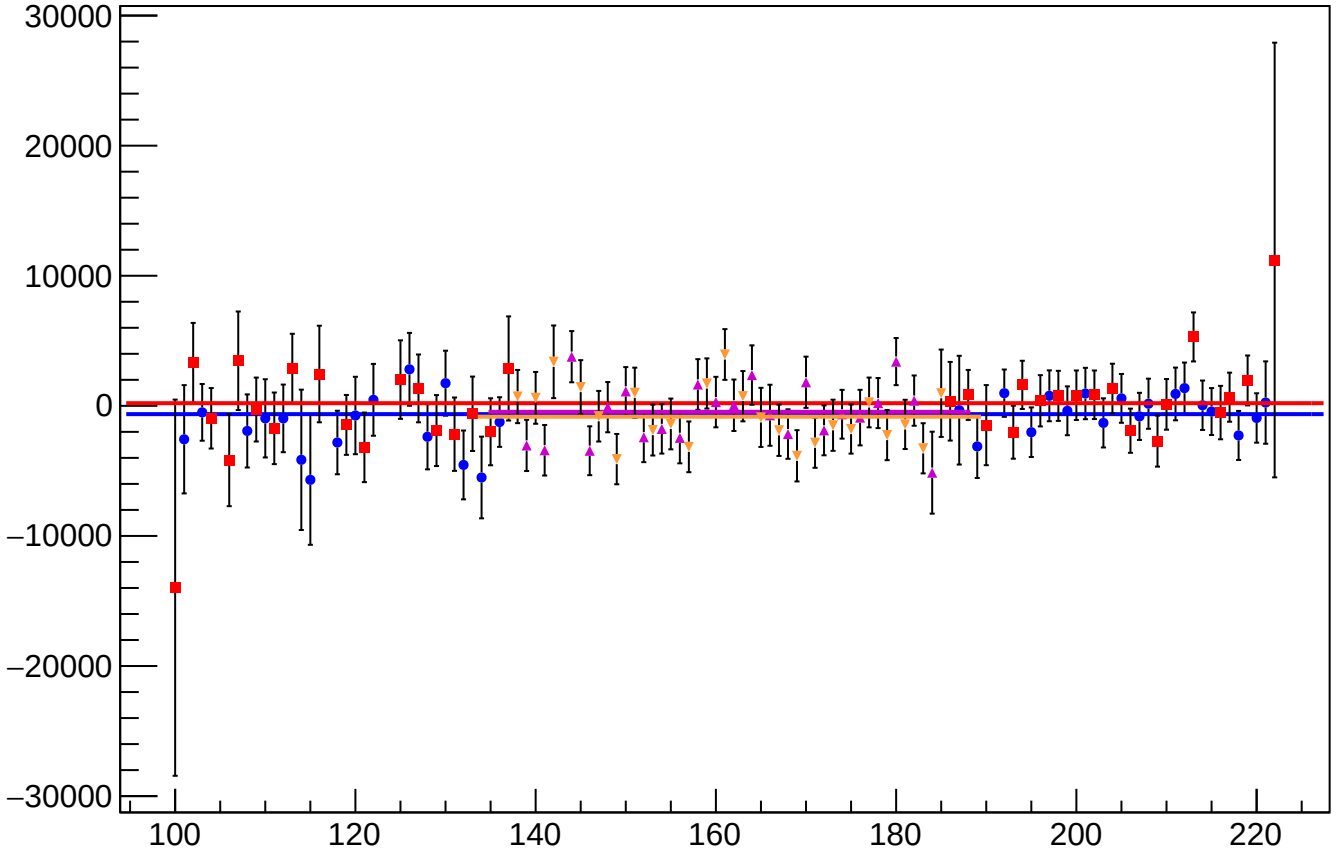
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 31418684.4/69

In: 0.000+/-0.000 χ^2/NDF:24558991.9/56

Out: 0.000+/-0.000 χ^2/NDF:23066344.5/59

All: 0.000+/-0.000 χ^2/NDF: 47660551.3/116



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: 204.039+/-393.246 χ^2/NDF: 27.0/35

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

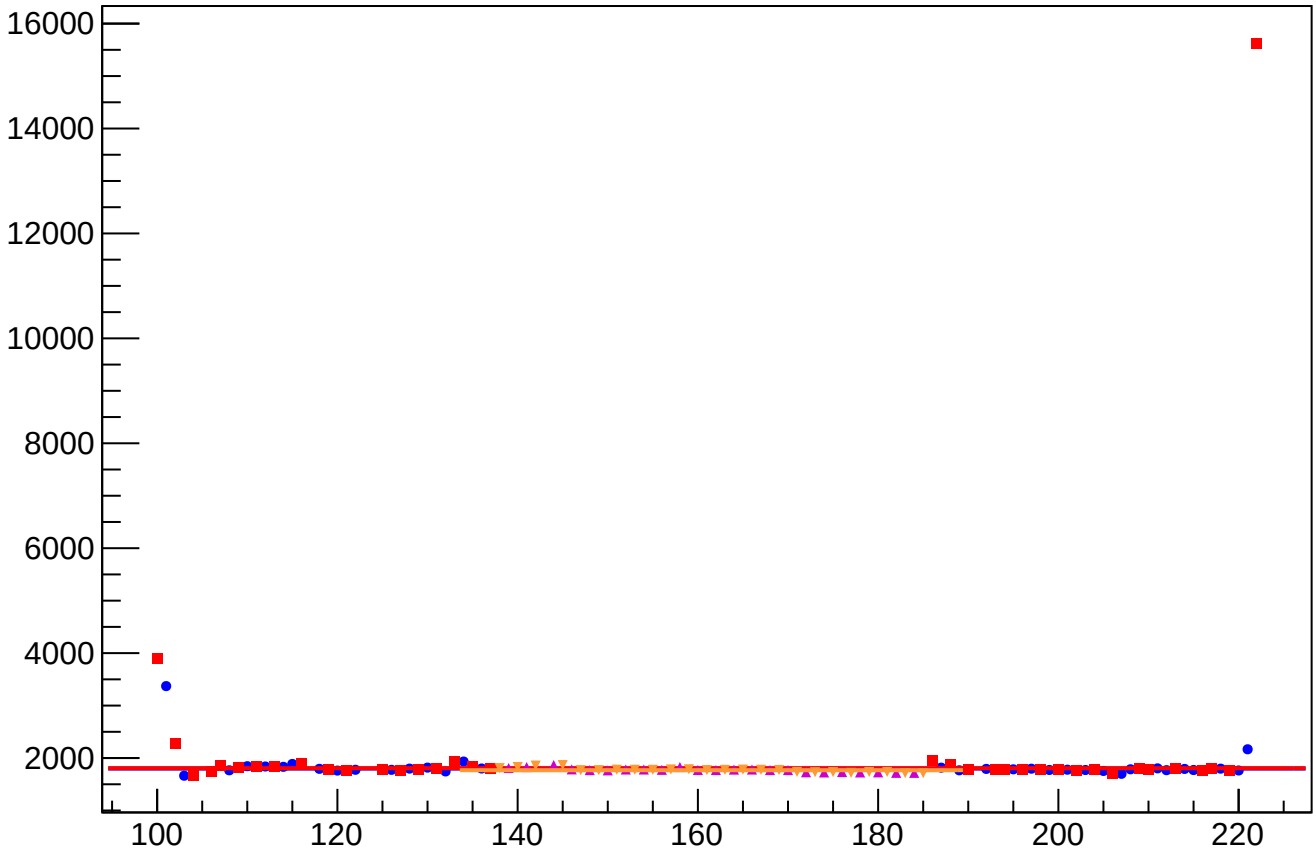
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -221.088+/-276.681 χ^2/NDF: 46.7/69

In: -554.105+/-283.512 χ^2/NDF:44.7/56

Out: -292.095+/-283.953 χ^2/NDF:55.8/59

All: -423.304+/-200.629 χ^2/NDF: 100.9/116



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: 1806.736+/-0.278 χ^2/NDF: 1492445.4/35

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

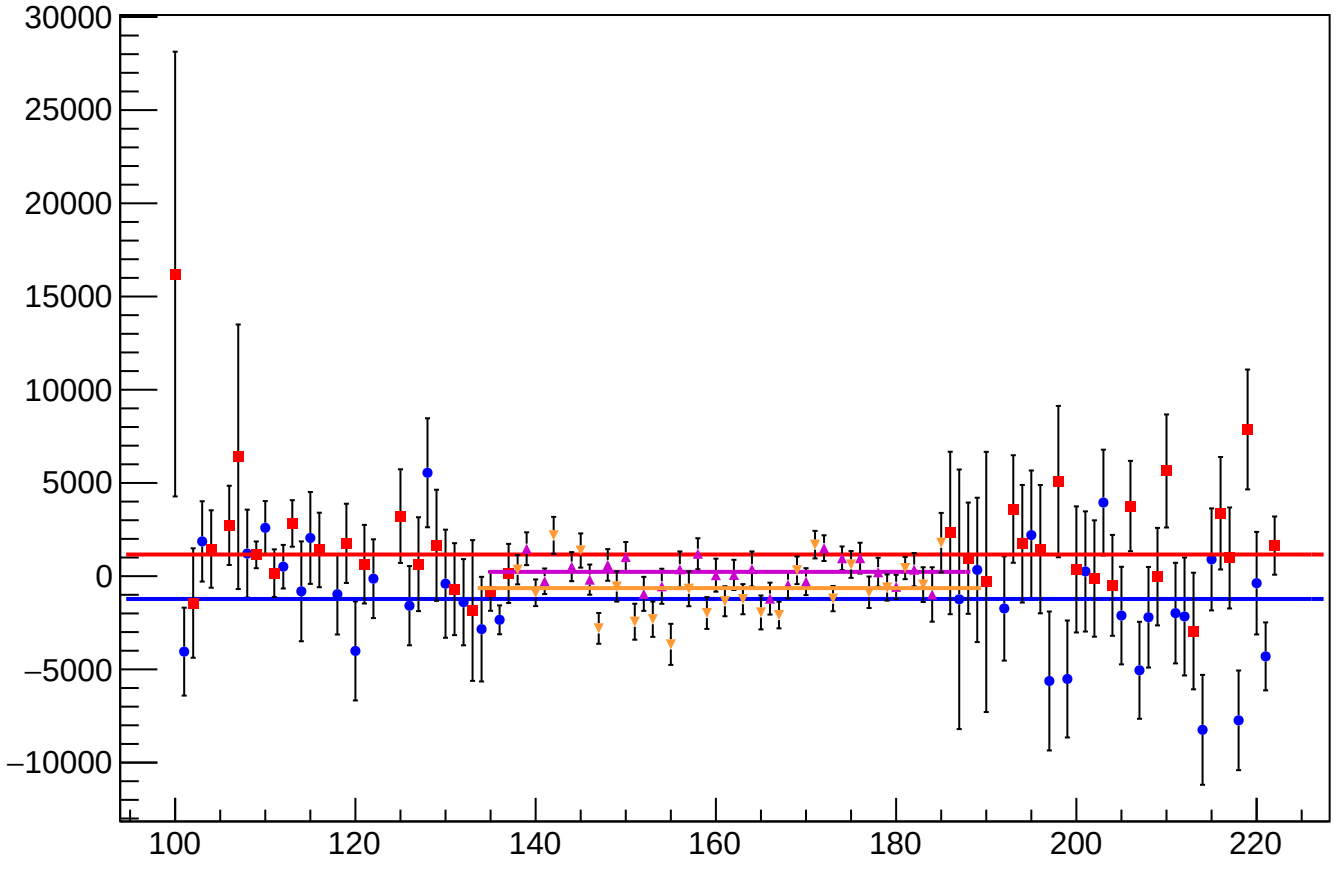
Right: 1802.996+/-0.196 χ^2/NDF: 1830755.1/69

In: 1786.123+/-0.200 χ^2/NDF:359275.8/56

Out: 1788.257+/-0.201 χ^2/NDF:1518031.2/59

All: 1787.188+/-0.142 χ^2/NDF: 1877363.5/11

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: 1161.316+/-340.610 χ^2/NDF: 24.6/35

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

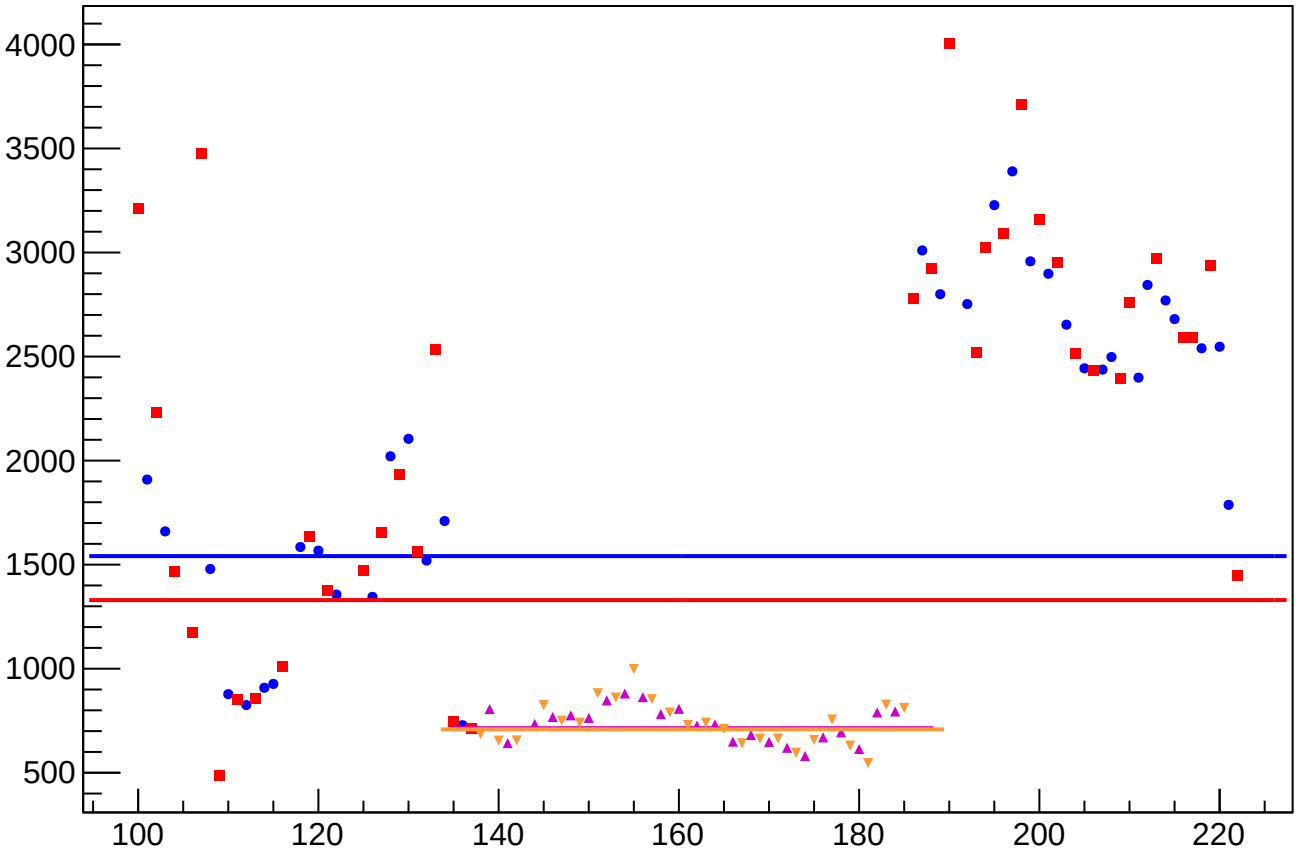
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 68.056+/-250.645 χ^2/NDF: 97.7/69

In: -18.440+/-153.222 χ^2/NDF:83.3/56

Out: -293.587+/-149.548 χ^2/NDF:113.9/59

All: -159.353+/-107.022 χ^2/NDF: 198.8/116



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: 1329.728+/-0.241 χ^2/NDF: 12885782.9/35

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

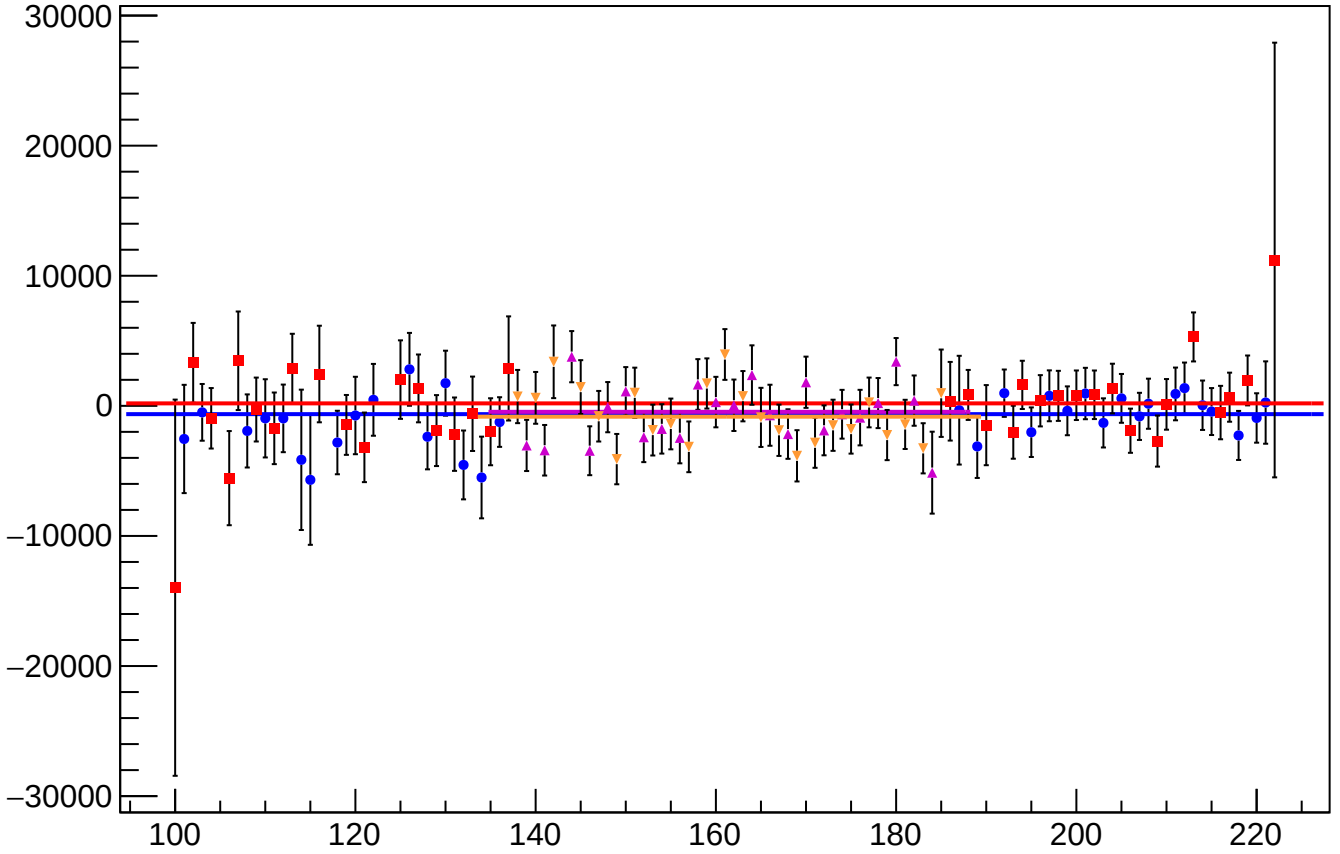
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1426.599+/-0.177 χ^2/NDF: 22335396.8/69

In: 855.834+/-0.108 χ^2/NDF:17863398.0/56

Out: 828.257+/-0.106 χ^2/NDF:18956688.3/59

All: 841.711+/-0.076 χ^2/NDF: 36853265.0/1



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: 189.824+/-393.345 χ^2/NDF: 28.0/35

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

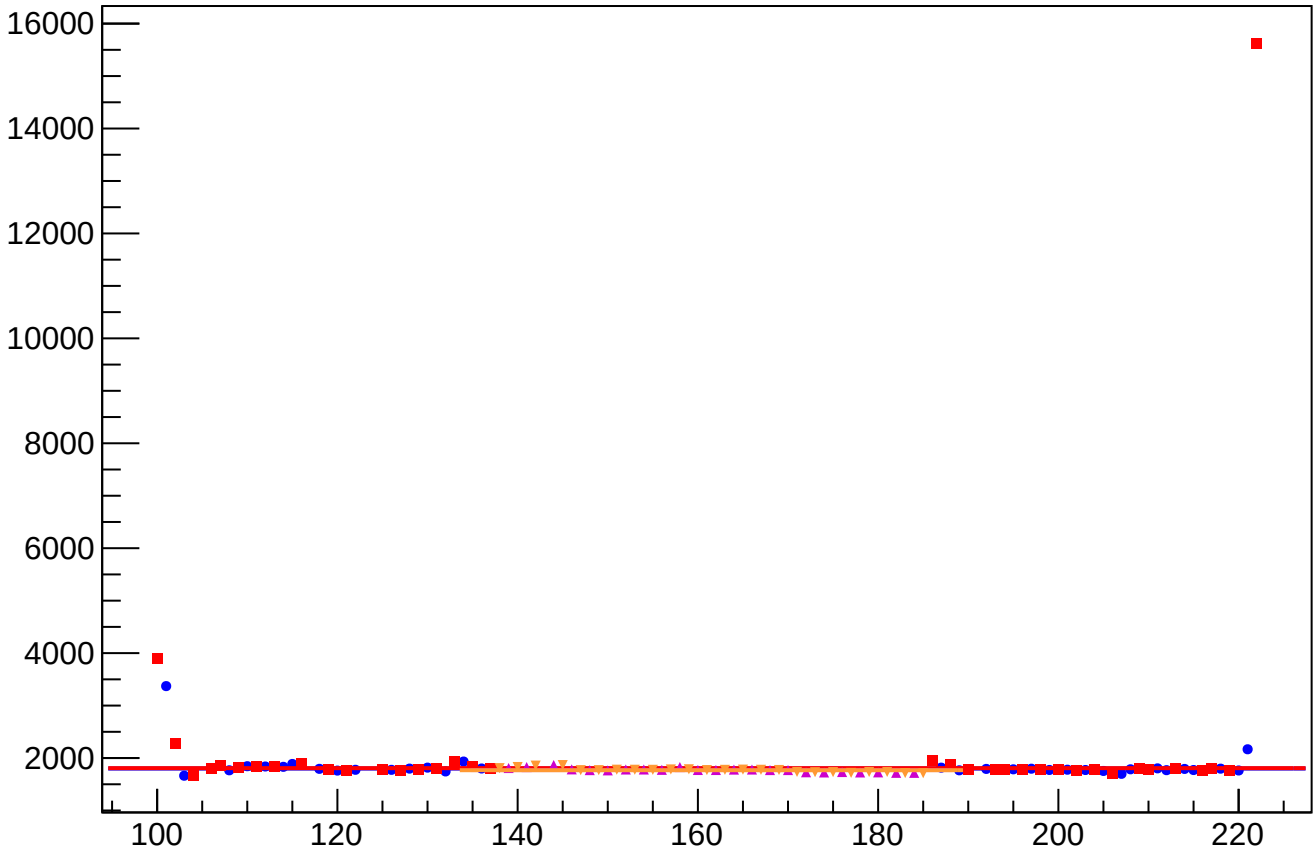
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -228.109+/-276.716 χ^2/NDF: 47.6/69

In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -299.584+/-283.991 χ^2/NDF:56.7/59

All: -426.987+/-200.642 χ^2/NDF: 101.8/116



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: 1807.247+/-0.278 χ^2/NDF: 1491976.1/35

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

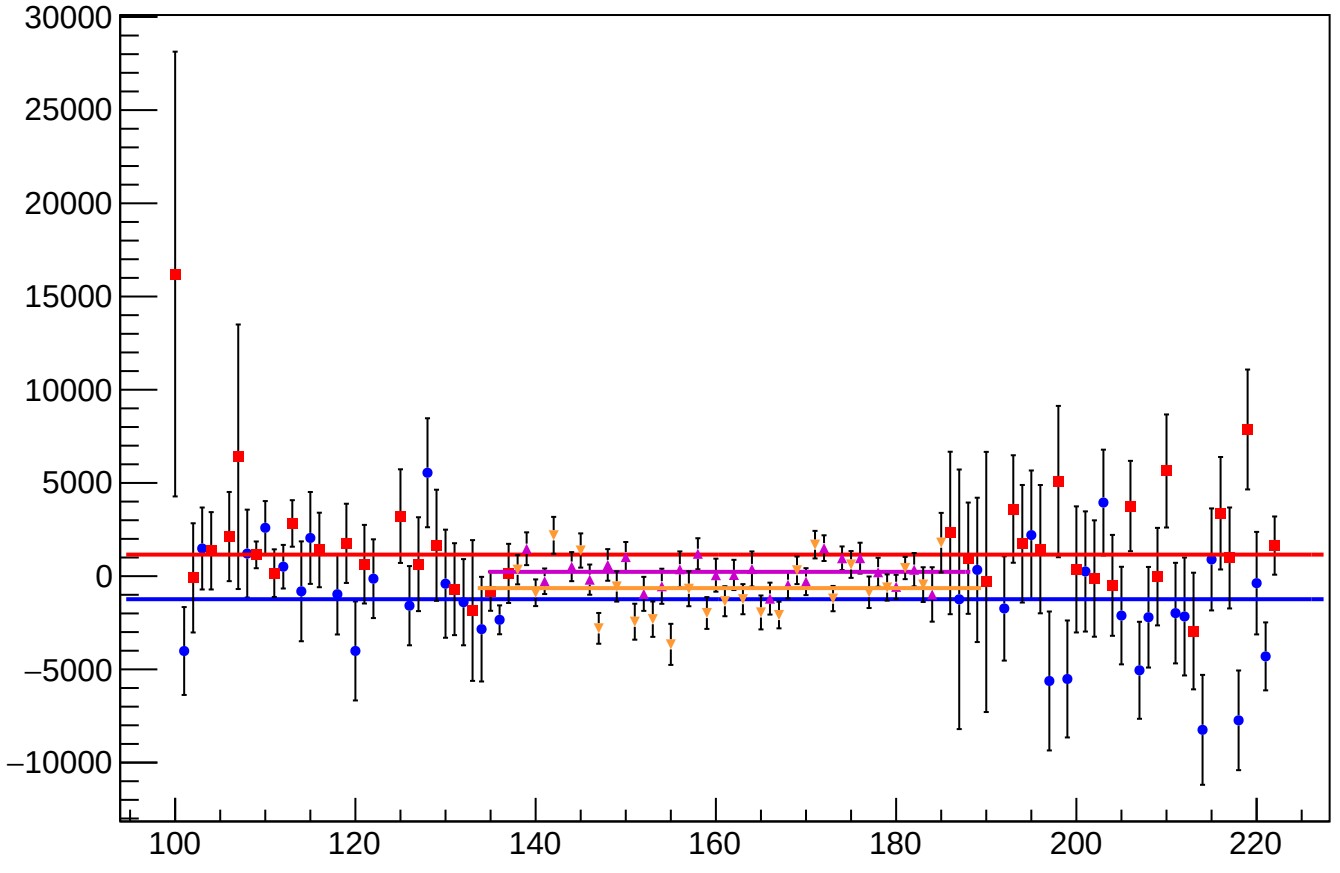
Right: 1803.248+/-0.196 χ^2/NDF: 1830338.8/69

In: 1786.123+/-0.200 χ^2/NDF:359277.6/56

Out: 1788.518+/-0.201 χ^2/NDF:1517805.6/59

All: 1787.319+/-0.142 χ^2/NDF: 1877154.4/11

asym_us_dd_atlr_dd_avg_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: 1156.035+/-341.514 χ^2/NDF: 23.6/35

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

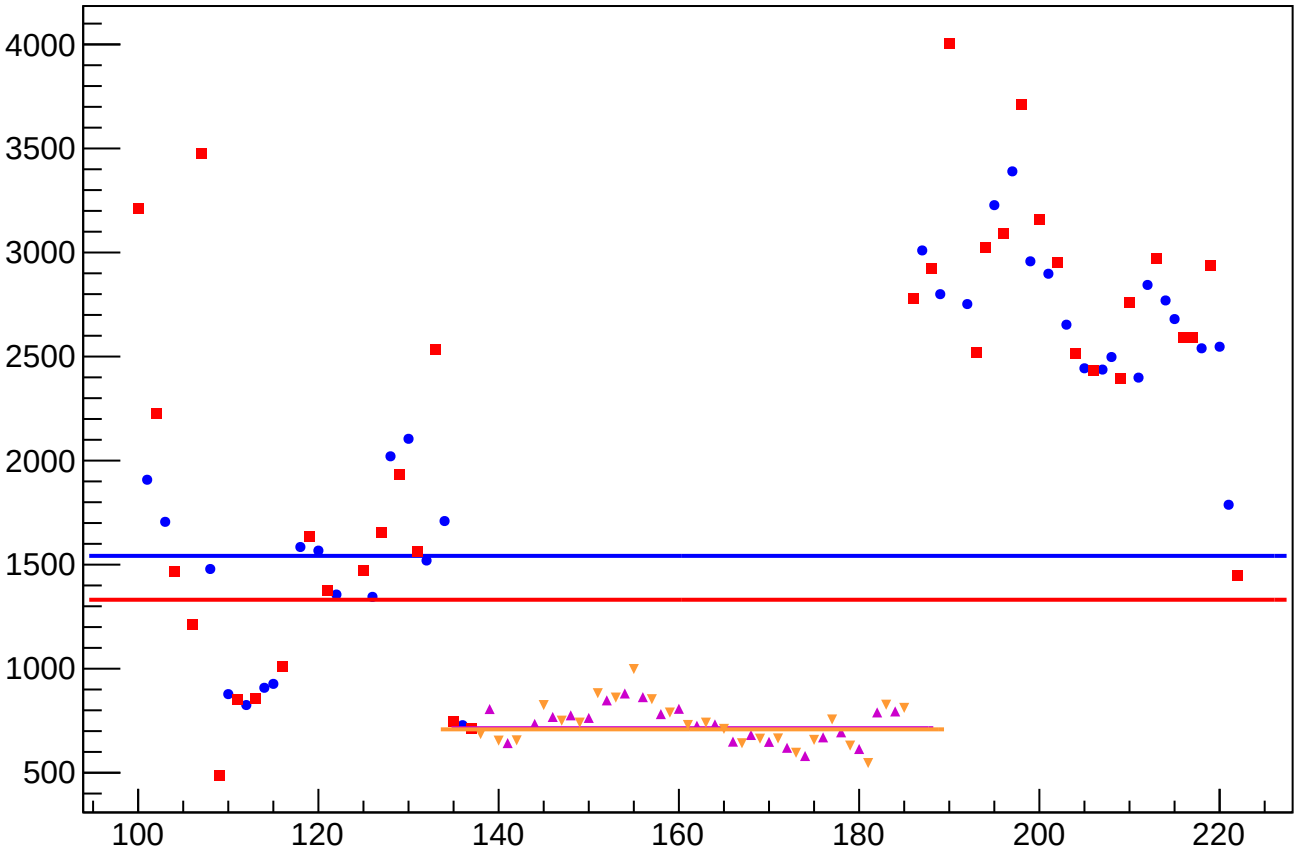
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 56.470+/-251.073 χ^2/NDF: 96.2/69

In: -20.611+/-153.239 χ^2/NDF:83.0/56

Out: -296.061+/-149.625 χ^2/NDF:112.6/59

All: -161.622+/-107.056 χ^2/NDF: 197.3/116



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: 1331.313+/-0.241 χ^2/NDF: 12878948.3/35

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

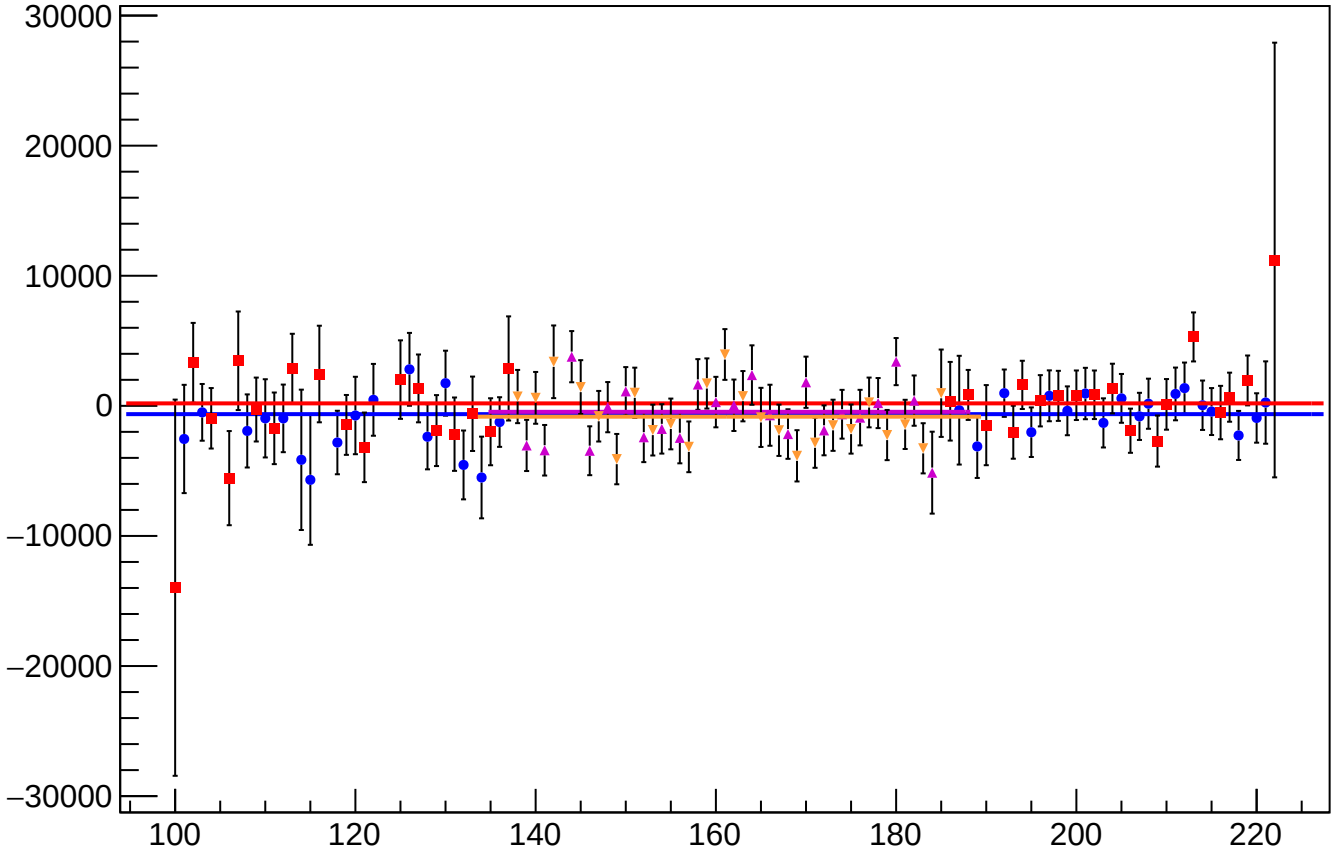
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1428.209+/-0.178 χ^2/NDF: 22331001.5/69

In: 855.902+/-0.108 χ^2/NDF:17883411.6/56

Out: 828.056+/-0.106 χ^2/NDF:18954090.7/59

All: 841.647+/-0.076 χ^2/NDF: 36871310.3/11



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: 189.824+/-393.345 χ^2/NDF: 28.0/35

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

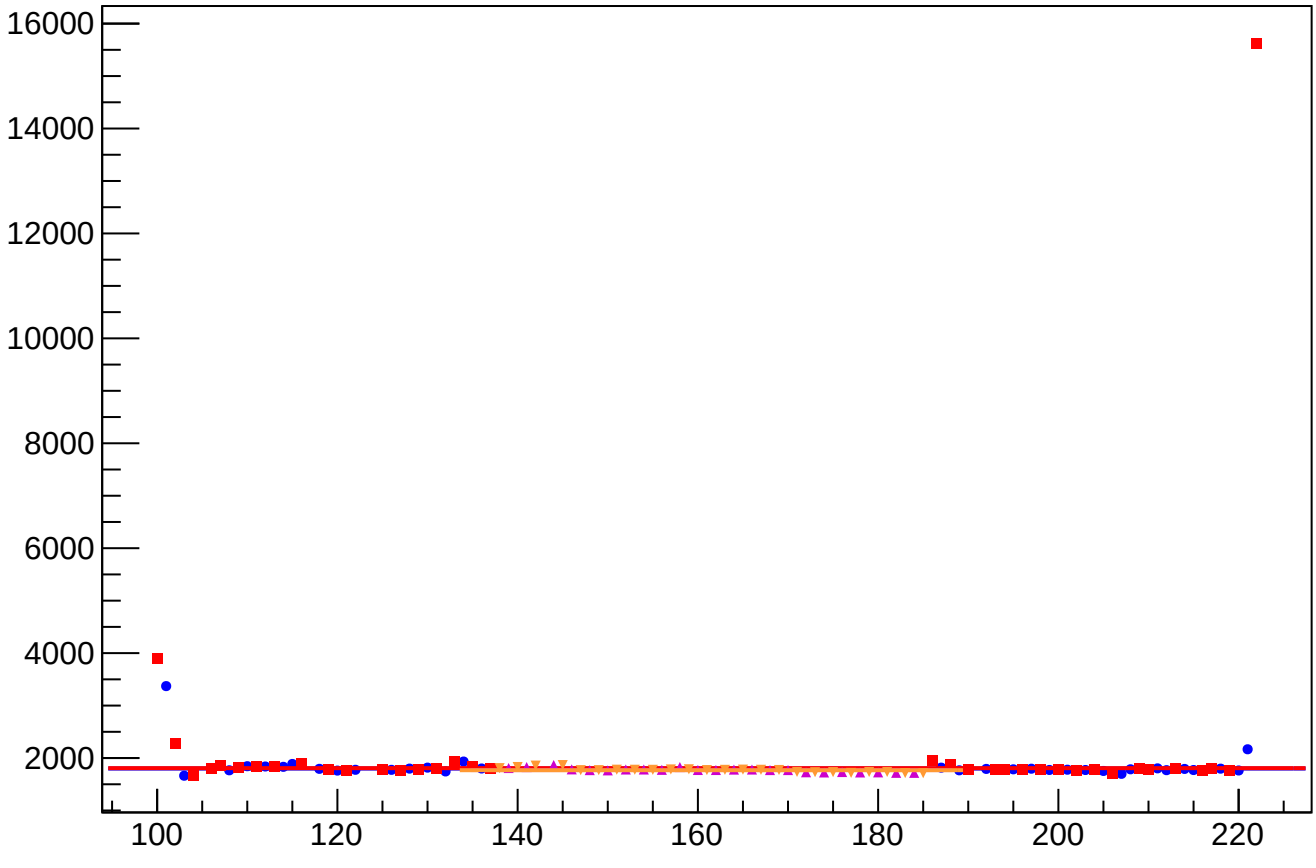
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -228.109+/-276.716 χ^2/NDF: 47.6/69

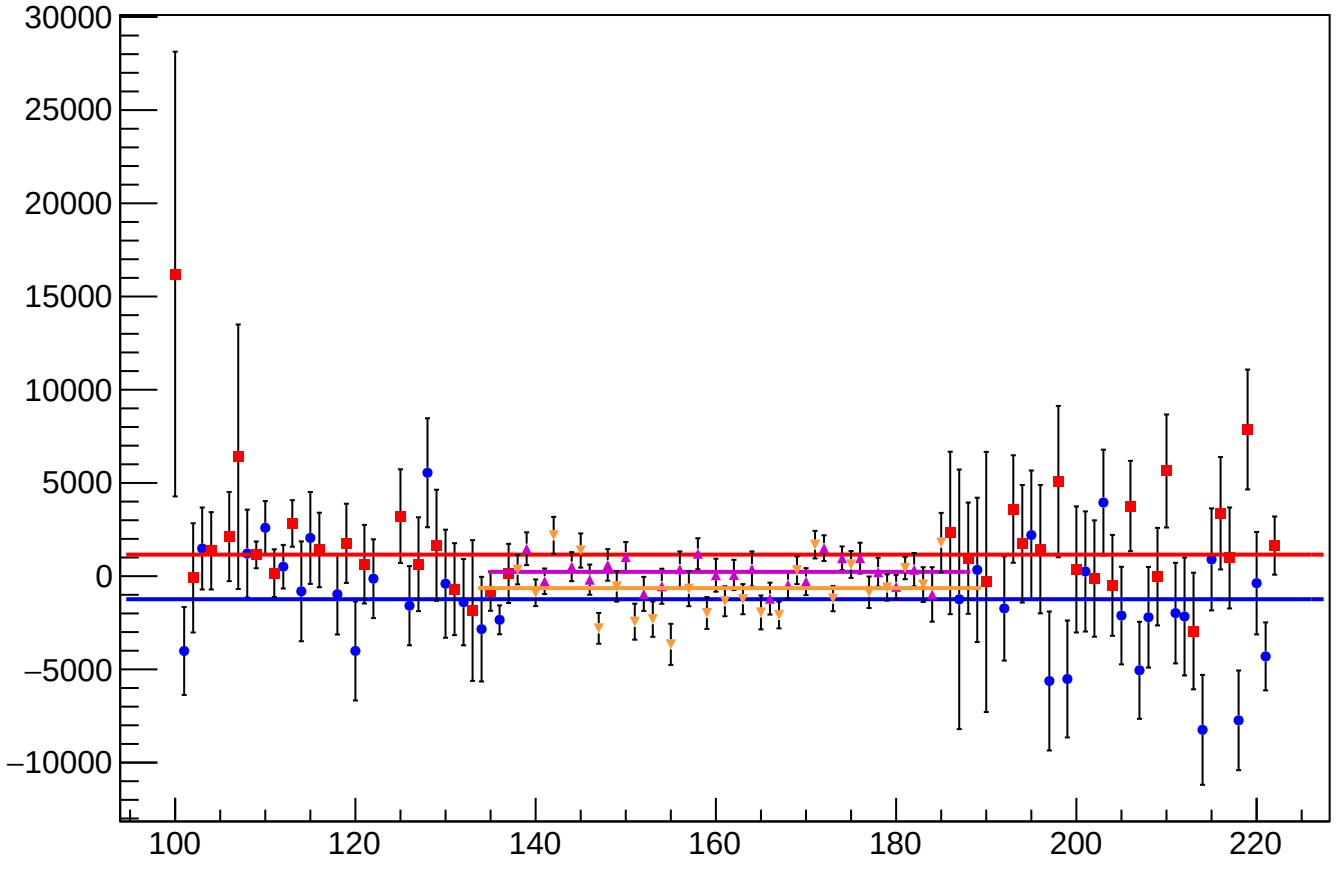
In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -299.584+/-283.991 χ^2/NDF:56.7/59

All: -426.987+/-200.642 χ^2/NDF: 101.8/116


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1799.330+/-0.275 χ²/NDF: 337953.5/33
Left Out: 1768.125+/-0.290 χ²/NDF:16358.2/23
Right Out: 1807.247+/-0.278 χ²/NDF: 1491976.1/35
Left In: 1771.217+/-0.292 χ²/NDF:16425.7/22
Left: 1769.659+/-0.206 χ²/NDF: 32840.2/46
Right: 1803.248+/-0.196 χ²/NDF: 1830338.8/69
In: 1786.123+/-0.200 χ²/NDF:359277.6/56
Out: 1788.518+/-0.201 χ²/NDF:1517805.6/59
All: 1787.319+/-0.142 χ²/NDF: 1877154.4/11

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1236.838+/-370.382 χ^2/NDF: 50.0/33

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1156.035+/-341.514 χ^2/NDF: 23.6/35

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

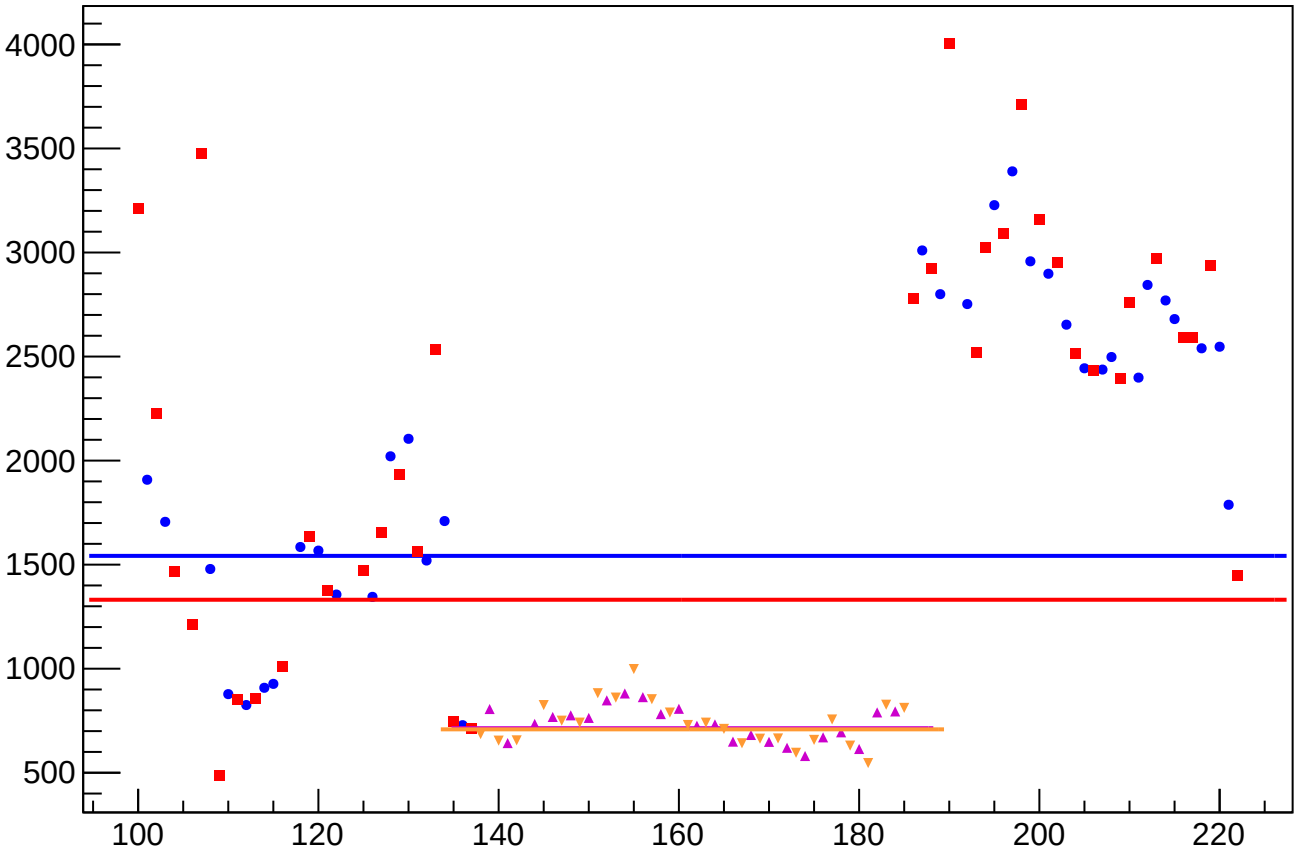
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 56.470+/-251.073 χ^2/NDF: 96.2/69

In: -20.611+/-153.239 χ^2/NDF:83.0/56

Out: -296.061+/-149.625 χ^2/NDF:112.6/59

All: -161.622+/-107.056 χ^2/NDF: 197.3/116



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: 1331.313+/-0.241 χ^2/NDF: 12878948.3/35

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

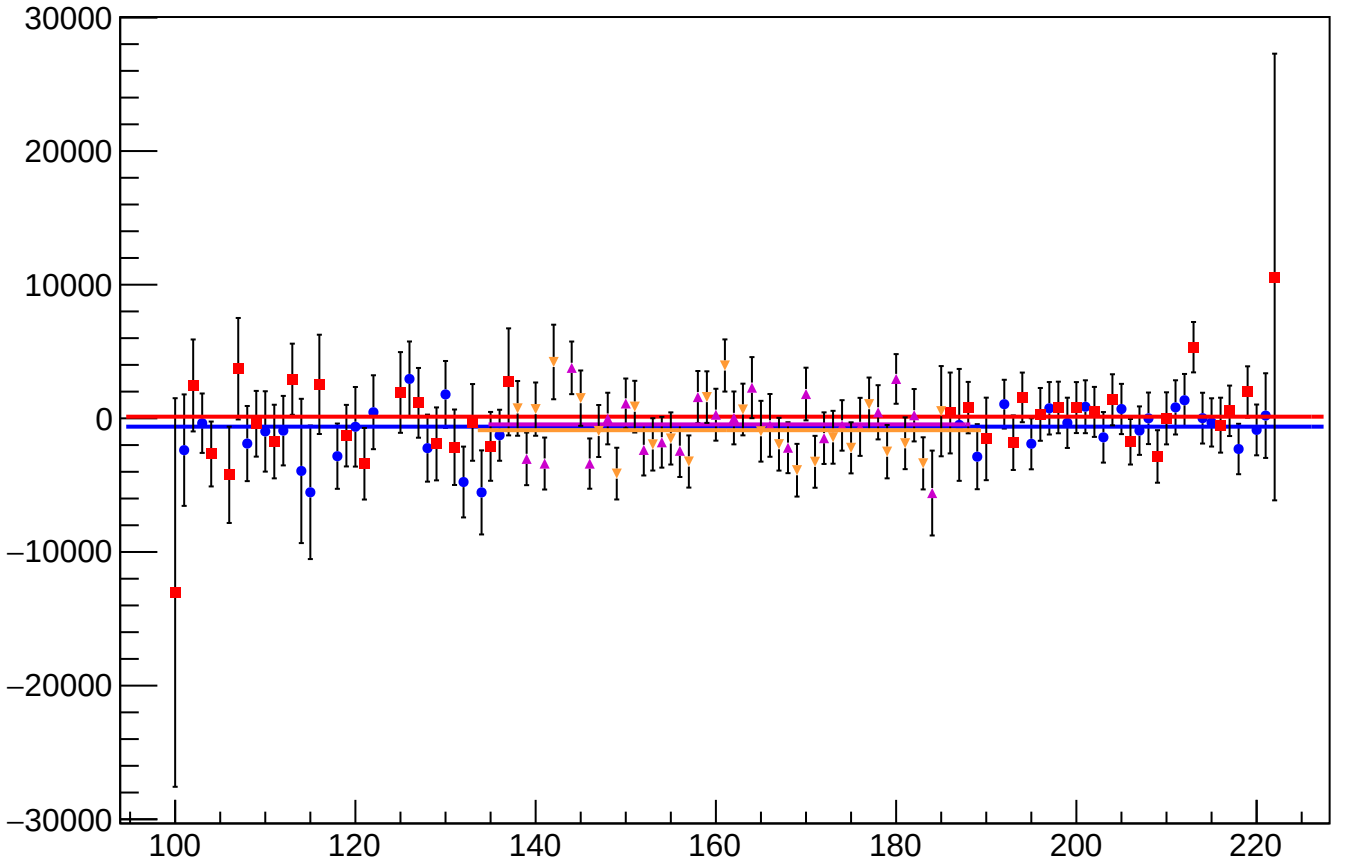
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1428.209+/-0.178 χ^2/NDF: 22331001.5/69

In: 855.902+/-0.108 χ^2/NDF:17883411.6/56

Out: 828.056+/-0.106 χ^2/NDF:18954090.7/59

All: 841.647+/-0.076 χ^2/NDF: 36871310.3/11



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: 124.098+/-395.016 χ^2/NDF: 27.3/35

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

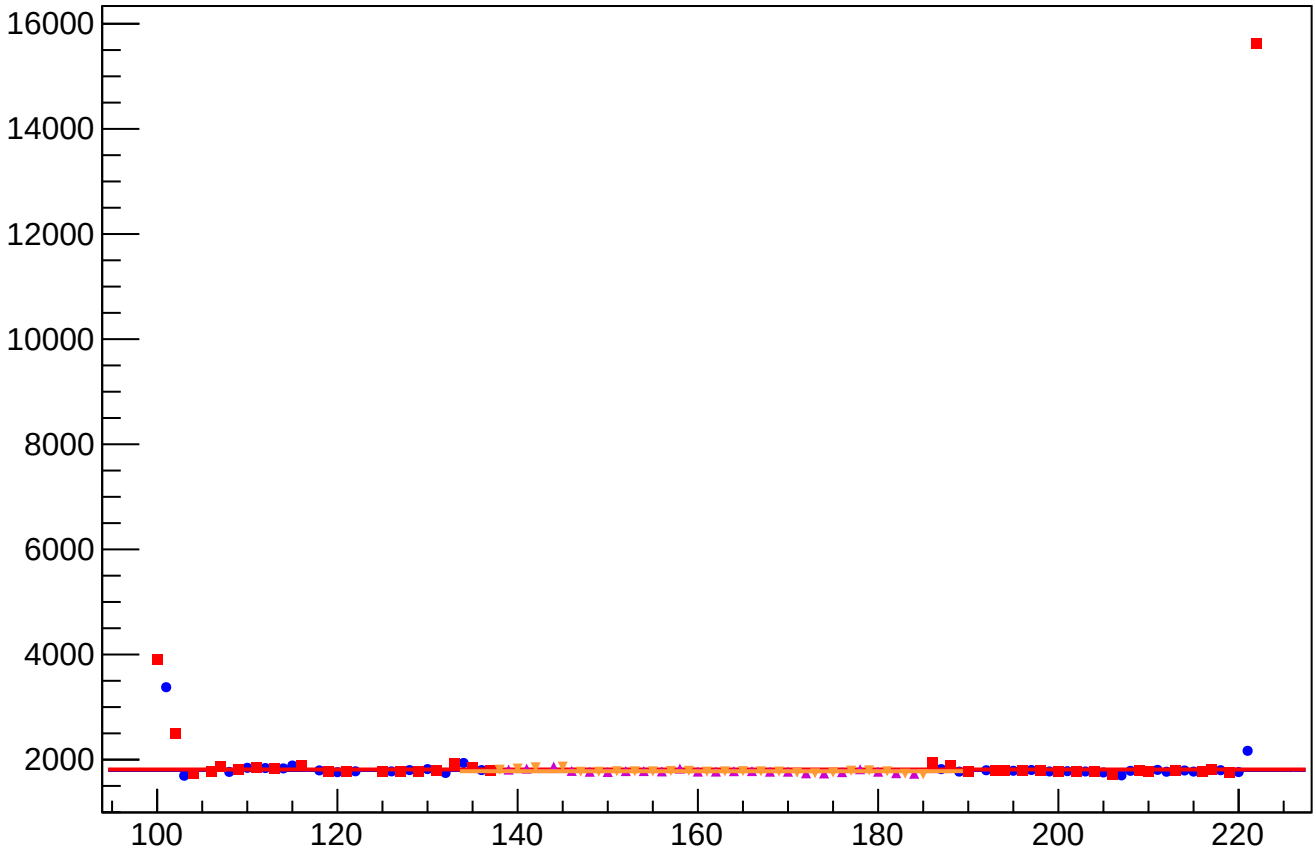
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -253.947+/-277.567 χ^2/NDF: 46.4/69

In: -543.424+/-284.626 χ^2/NDF:43.2/56

Out: -358.372+/-285.540 χ^2/NDF:58.5/59

All: -451.195+/-201.583 χ^2/NDF: 101.9/116



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: 1812.788+/-0.279 χ^2/NDF: 1519175.9/35

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

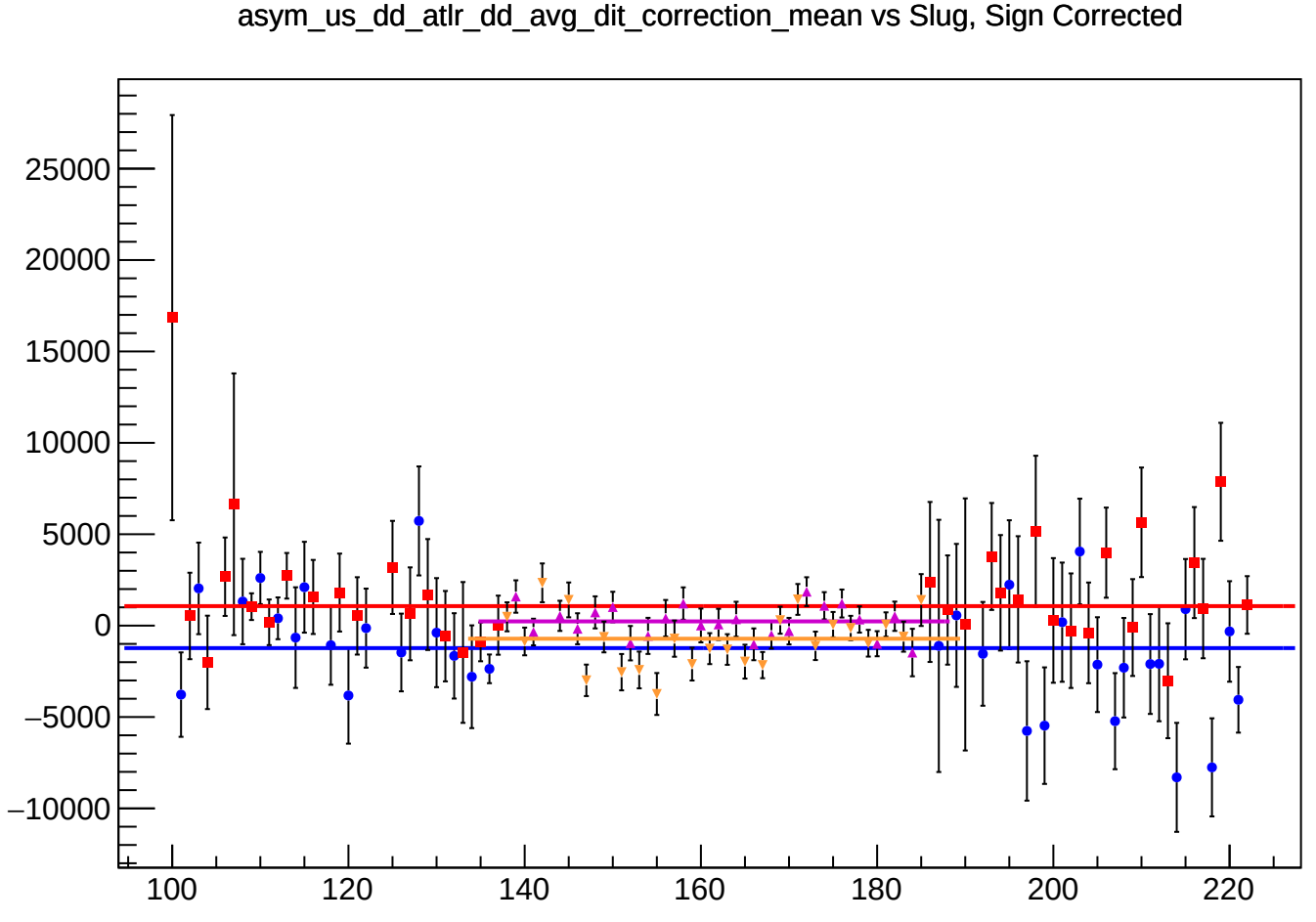
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1807.750+/-0.196 χ^2/NDF: 1854930.1/69

In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1797.237+/-0.202 χ^2/NDF:1536047.1/59

All: 1795.228+/-0.143 χ^2/NDF: 1885181.1/11



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: 1067.407+/-343.705 χ^2/NDF: 25.9/35

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

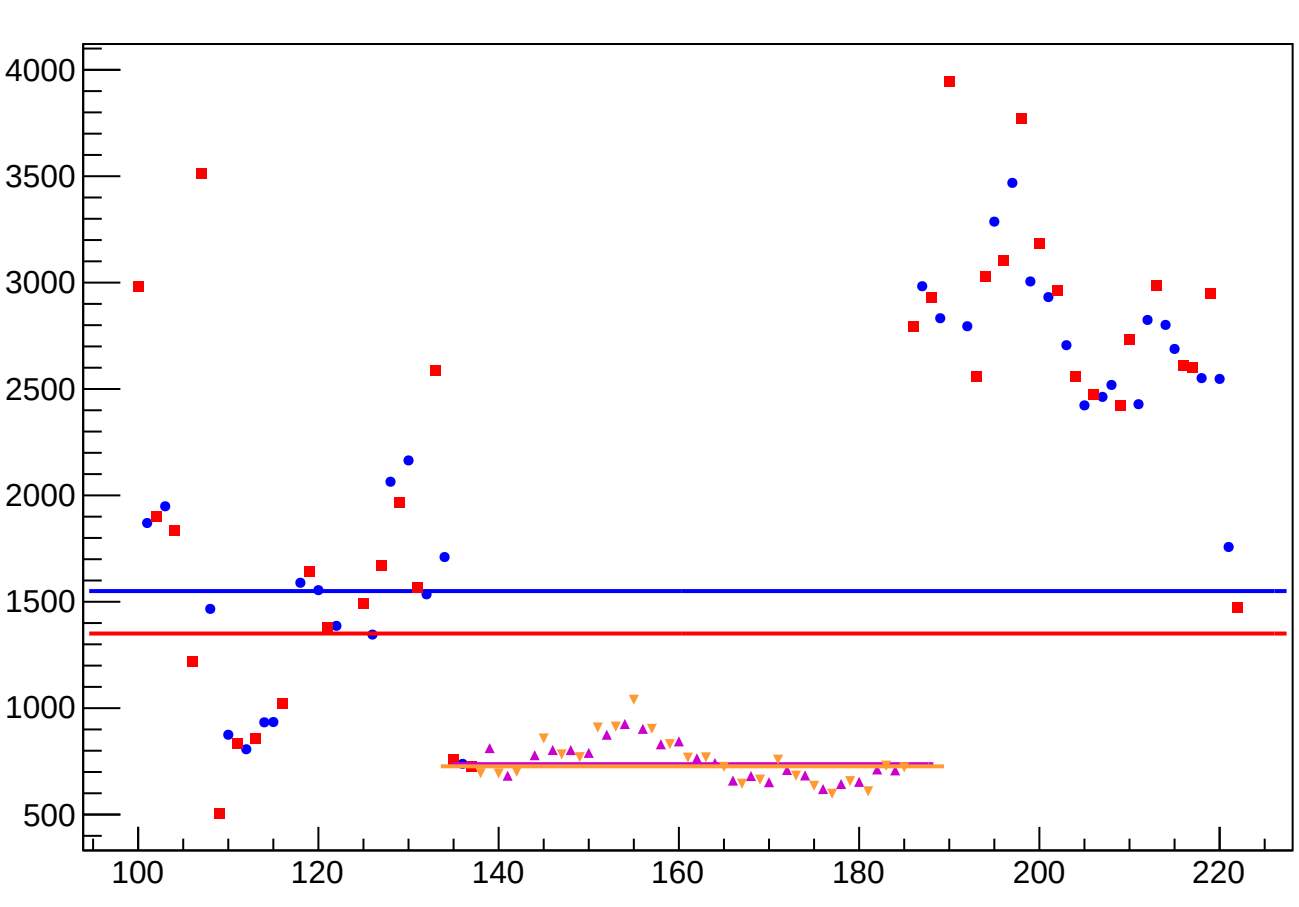
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 12.691+/-252.730 χ^2/NDF: 96.2/69

In: -28.359+/-157.259 χ^2/NDF:86.5/56

Out: -363.949+/-152.813 χ^2/NDF:106.9/59

All: -200.965+/-109.593 χ^2/NDF: 195.7/116



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: 1350.783+/-0.243 χ^2/NDF: 12740211.4/35

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

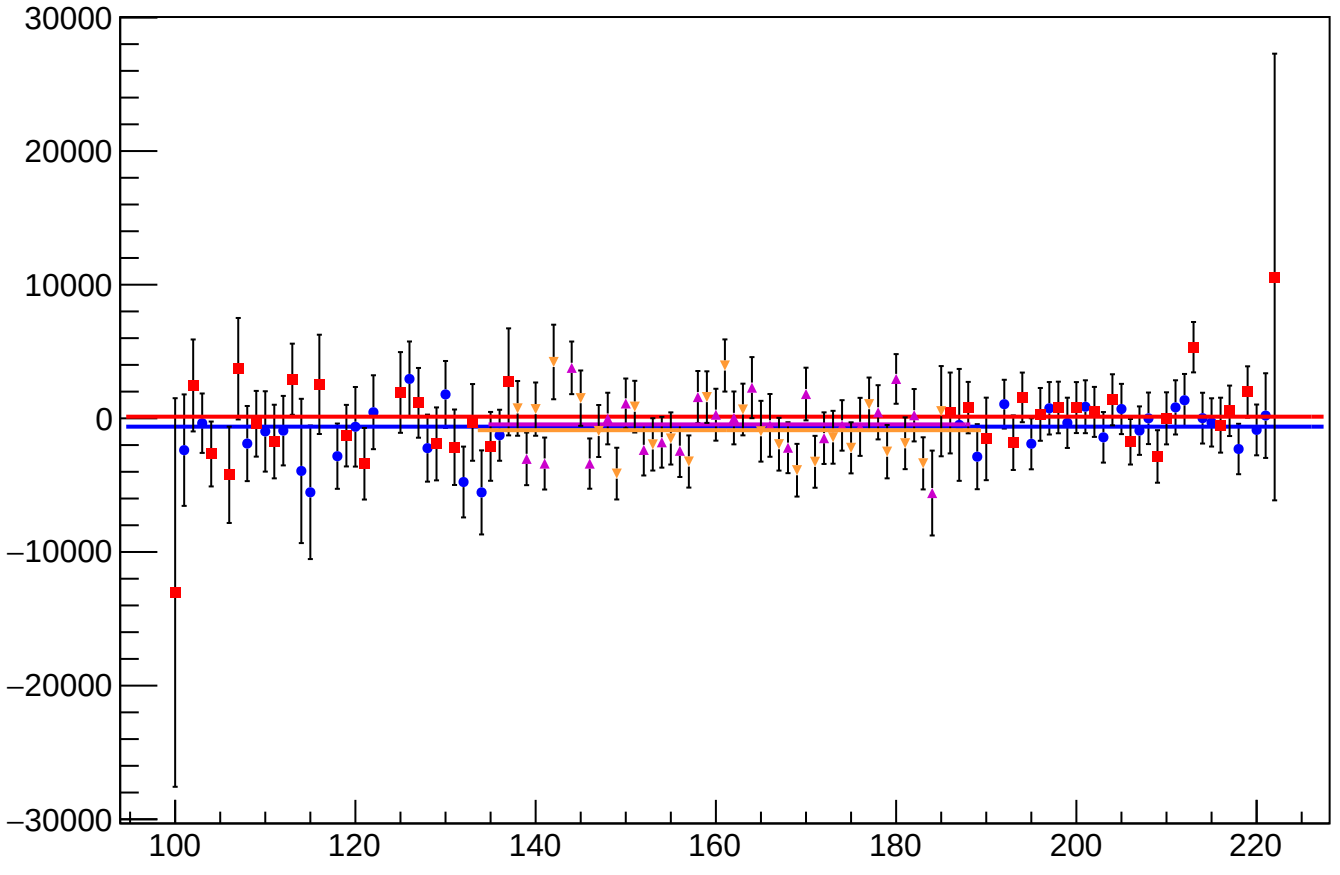
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1442.412+/-0.179 χ^2/NDF: 22271097.6/69

In: 881.394+/-0.111 χ^2/NDF:17512950.5/56

Out: 849.988+/-0.108 χ^2/NDF:18717079.1/59

All: 865.241+/-0.077 χ^2/NDF: 36271055.8/1



Right In: -622.655+/-390.108 χ^2/NDF: 17.3/33

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 124.094+/-395.016 χ^2/NDF: 27.3/35

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

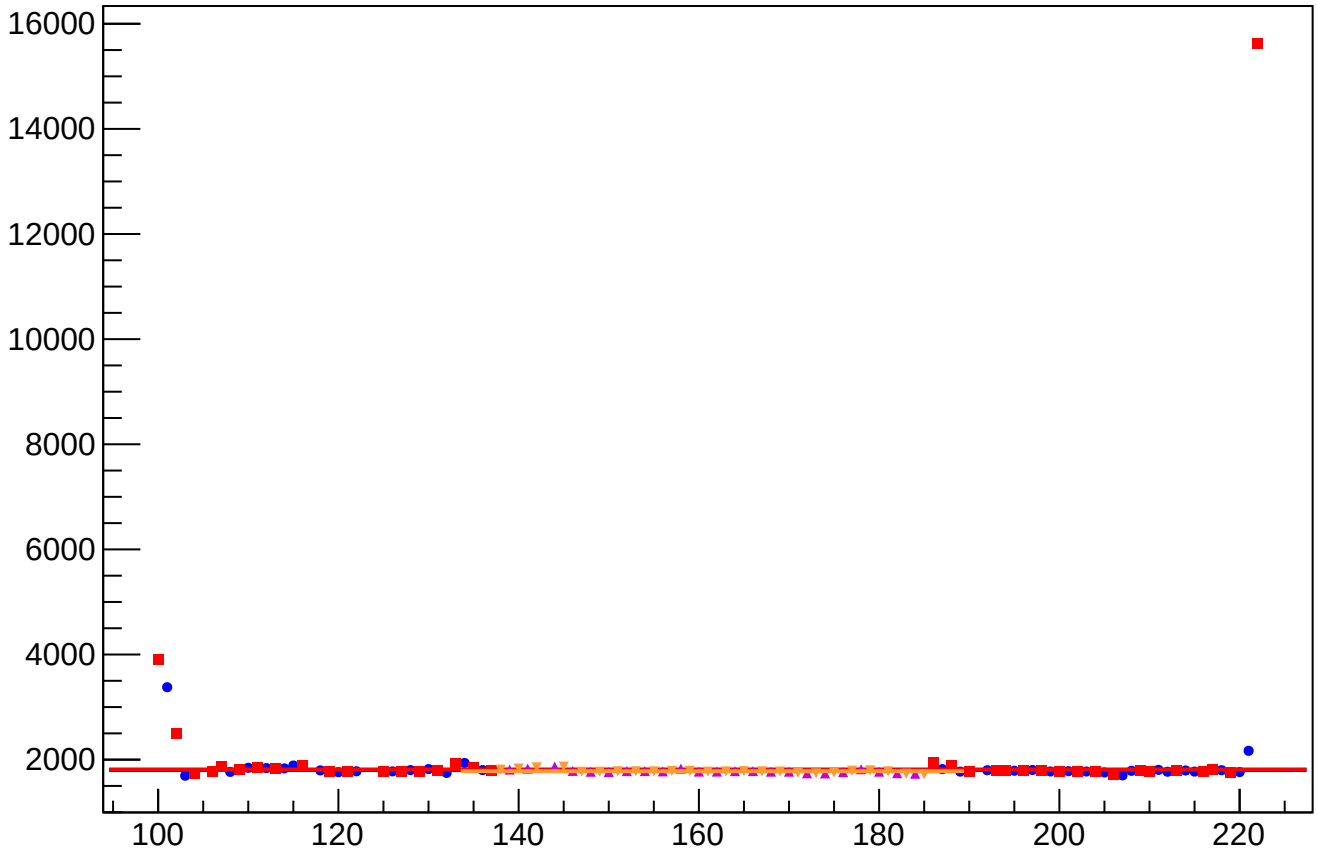
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -253.948+/-277.567 χ^2/NDF: 46.4/69

In: -543.422+/-284.626 χ^2/NDF:43.2/56

Out: -358.374+/-285.540 χ^2/NDF:58.5/59

All: -451.195+/-201.583 χ^2/NDF: 101.9/116



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: 1812.788+/-0.279 χ^2/NDF: 1519176.0/35

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

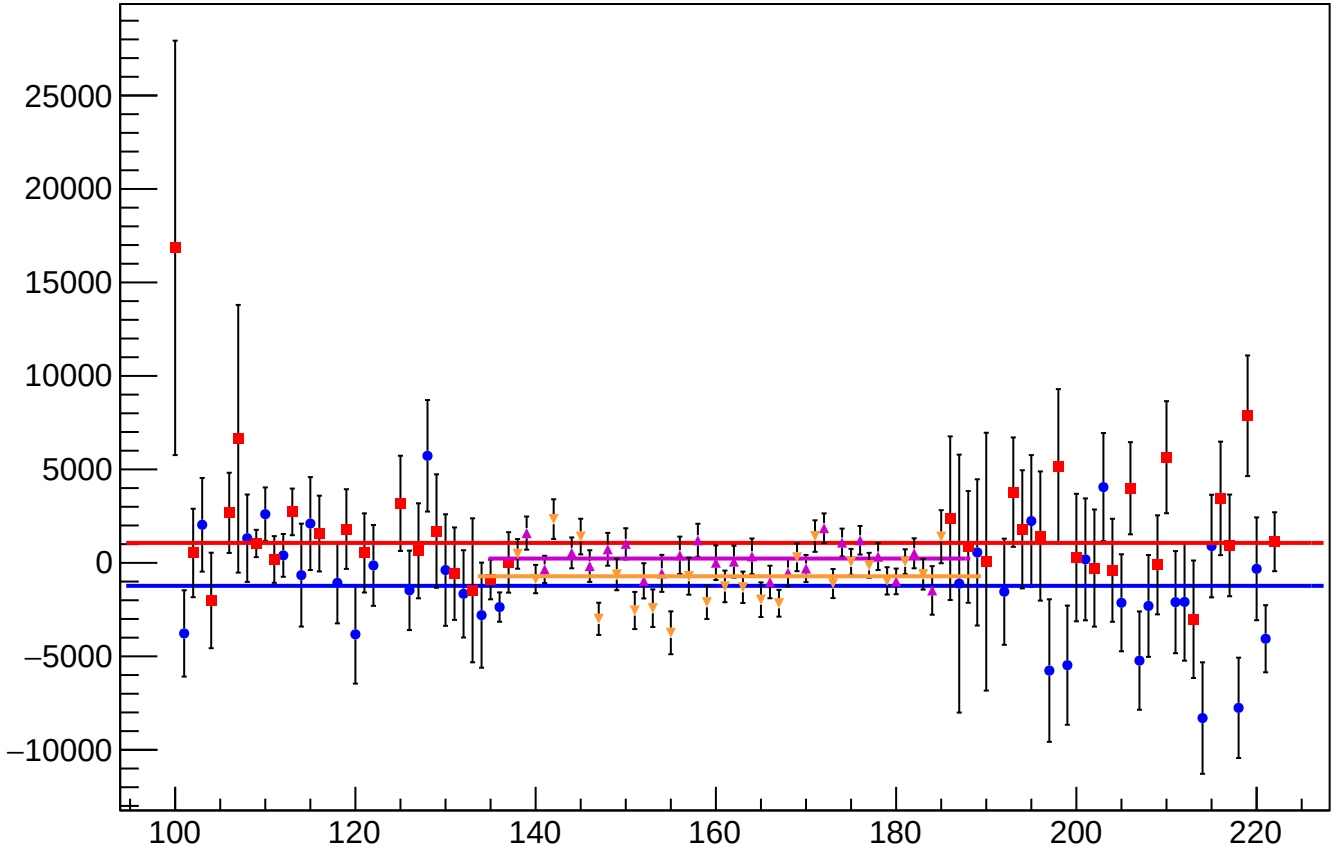
Right: 1807.750+/-0.196 χ^2/NDF: 1854930.1/69

In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1797.237+/-0.202 χ^2/NDF:1536047.3/59

All: 1795.228+/-0.143 χ^2/NDF: 1885181.3/11

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1228.854+/-372.908 χ^2/NDF: 49.8/33

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 1067.411+/-343.706 χ^2/NDF: 25.9/35

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

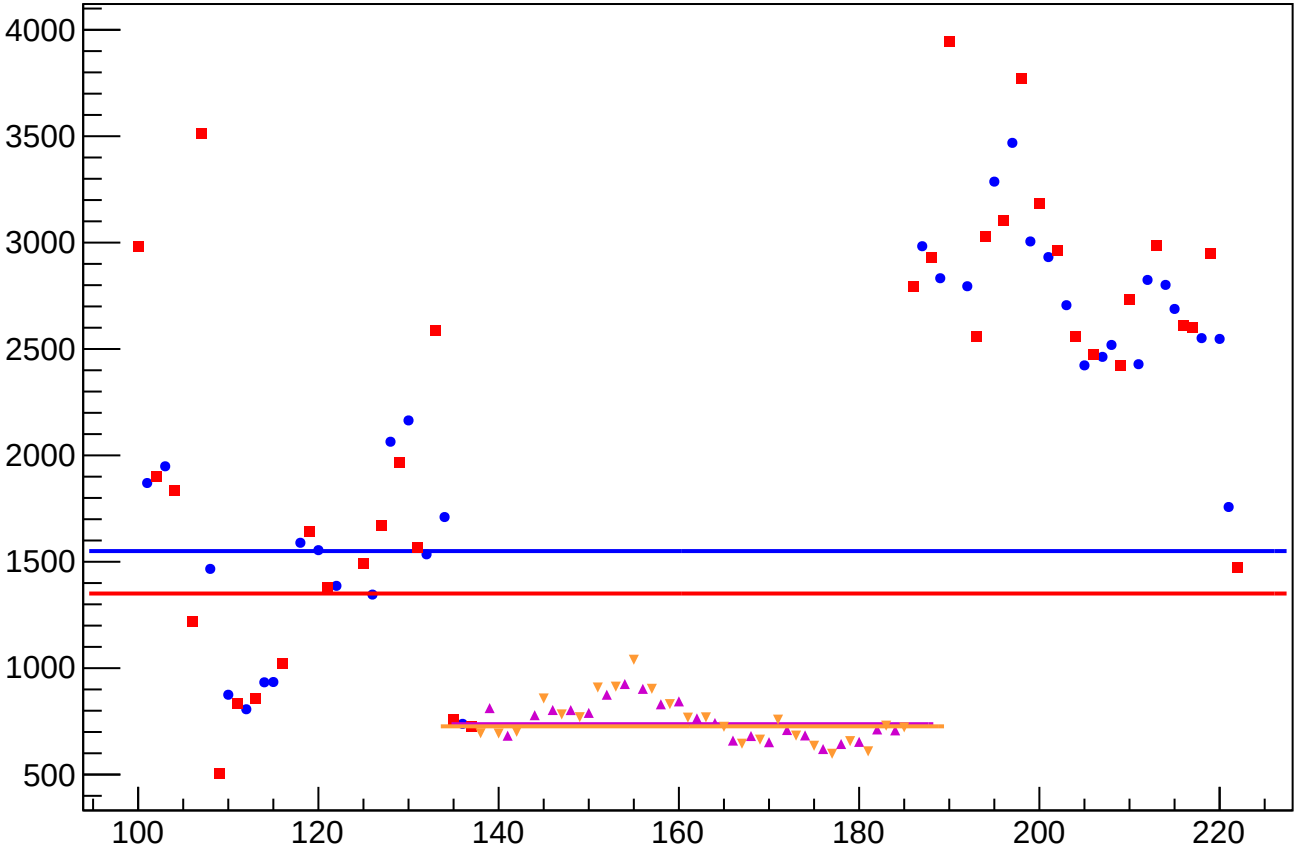
Right: 12.697+/-252.731 χ^2/NDF: 96.2/69

In: -28.359+/-157.259 χ^2/NDF:86.5/56

Out: -363.949+/-152.813 χ^2/NDF:106.9/59

All: -200.965+/-109.593 χ^2/NDF: 195.7/116

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: 1350.786+/-0.243 χ^2/NDF: 12740167.0/35

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

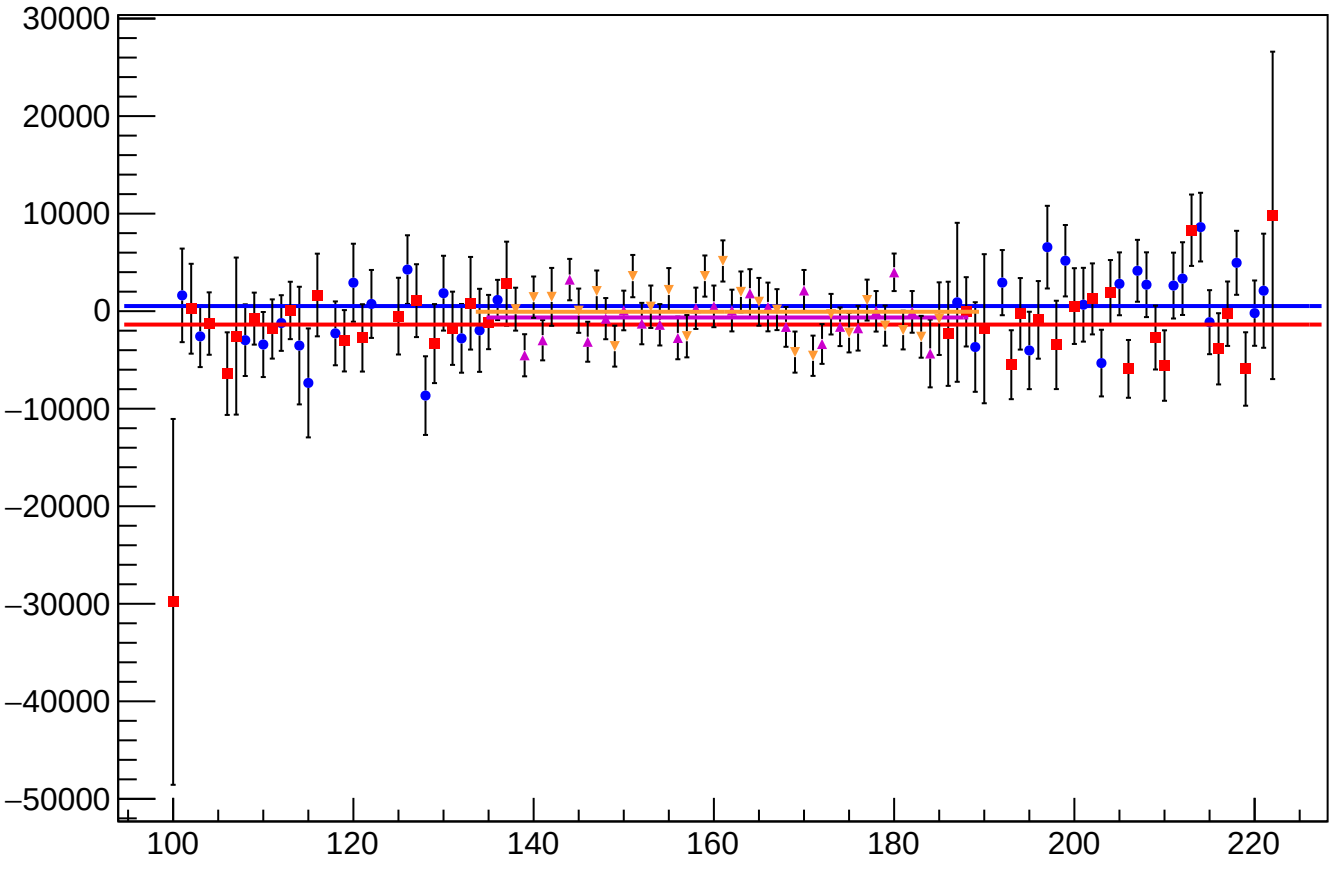
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1442.415+/-0.179 χ^2/NDF: 22270988.4/69

In: 881.393+/-0.111 χ^2/NDF:17512952.4/56

Out: 849.989+/-0.108 χ^2/NDF:18717060.4/59

All: 865.241+/-0.077 χ^2/NDF: 36271036.8/1



Right In: 525.182+/-615.238 χ^2/NDF: 34.9/33

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1373.398+/-626.292 χ^2/NDF: 23.9/35

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

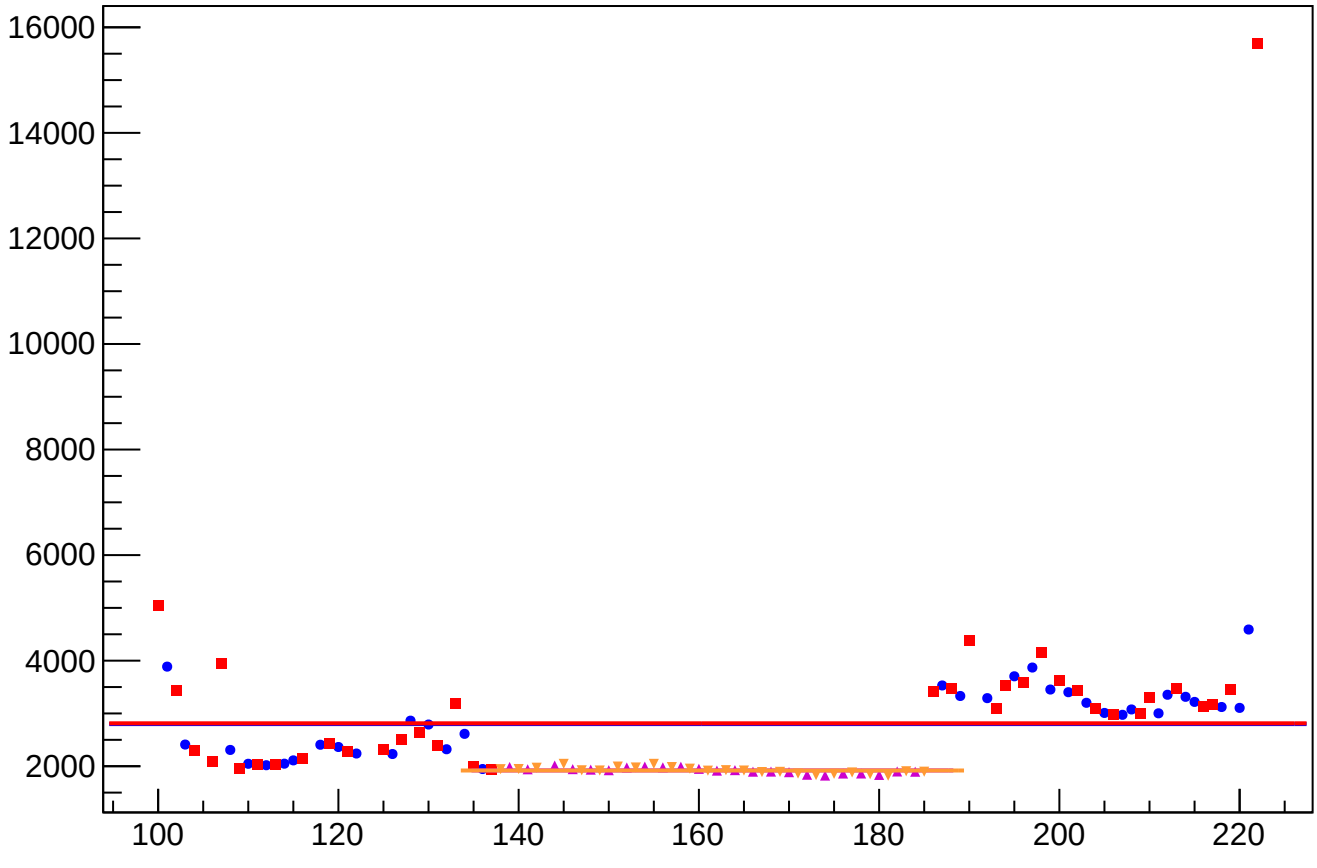
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -407.206+/-438.895 χ^2/NDF: 63.5/69

In: -240.135+/-362.443 χ^2/NDF:60.9/56

Out: -501.142+/-363.080 χ^2/NDF:59.9/59

All: -370.410+/-256.511 χ^2/NDF: 121.0/116



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: 2813.195+/-0.443 χ^2/NDF: 3236197.2/35

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

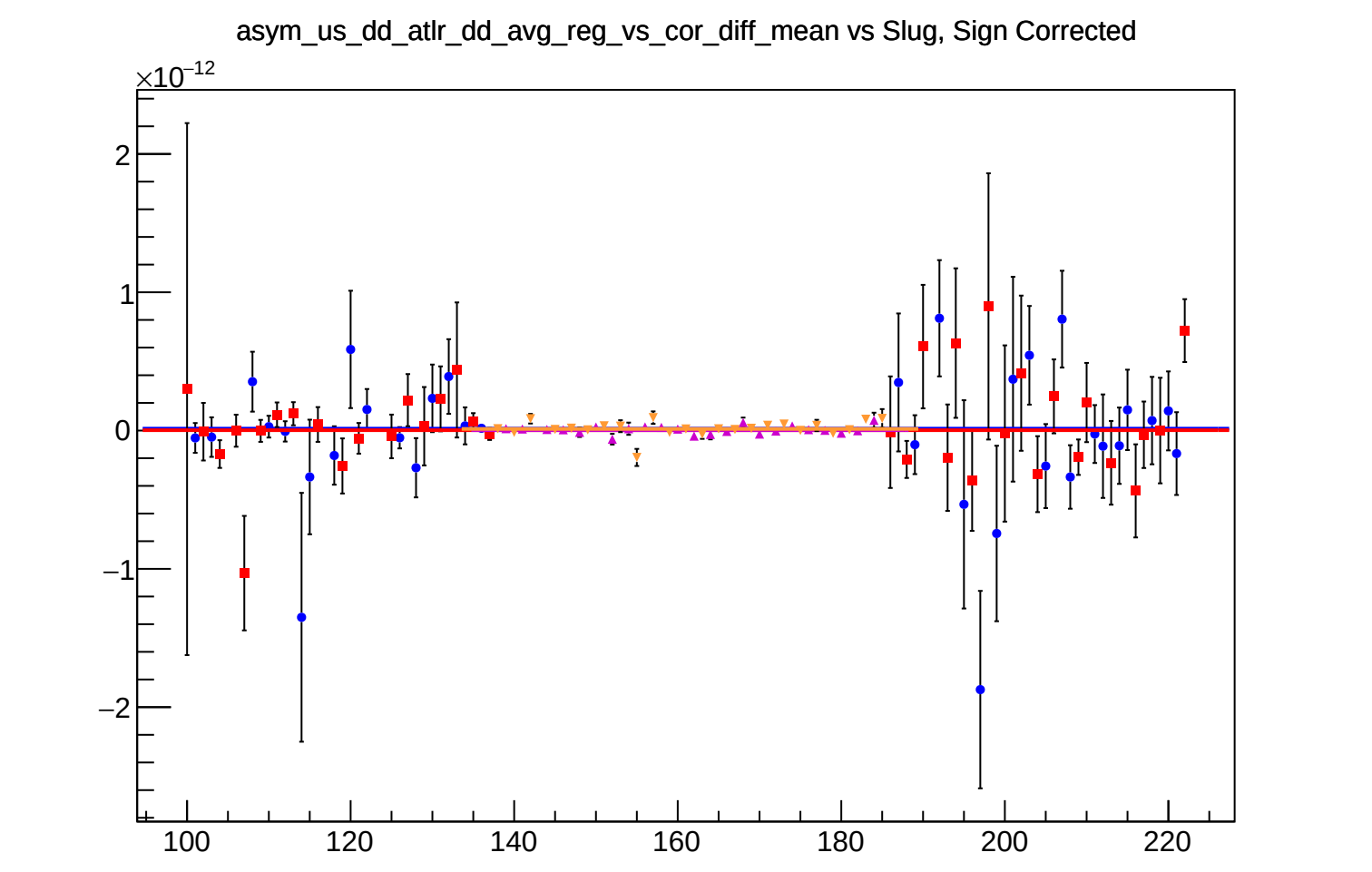
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2805.591+/-0.310 χ^2/NDF: 5095846.7/69

In: 2224.939+/-0.256 χ^2/NDF:4548799.0/56

Out: 2219.513+/-0.257 χ^2/NDF:5978719.1/59

All: 2222.230+/-0.181 χ^2/NDF: 10527741.8/1



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: 45.3/35

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

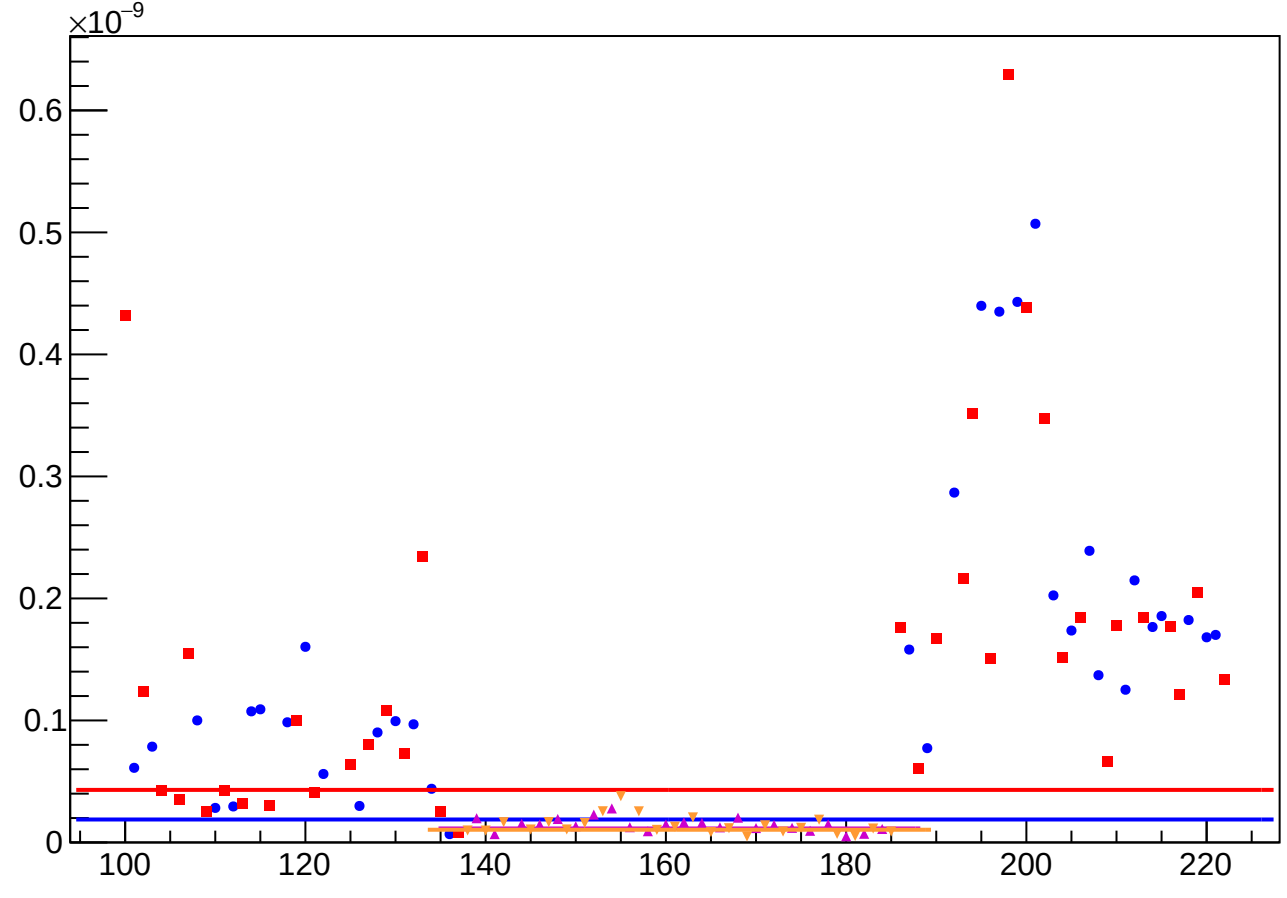
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 85.6/69

In: 0.000+/-0.000 χ^2/NDF:60.2/56

Out: 0.000+/-0.000 χ^2/NDF:83.5/59

All: 0.000+/-0.000 χ^2/NDF: 145.0/116



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: 9653424.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

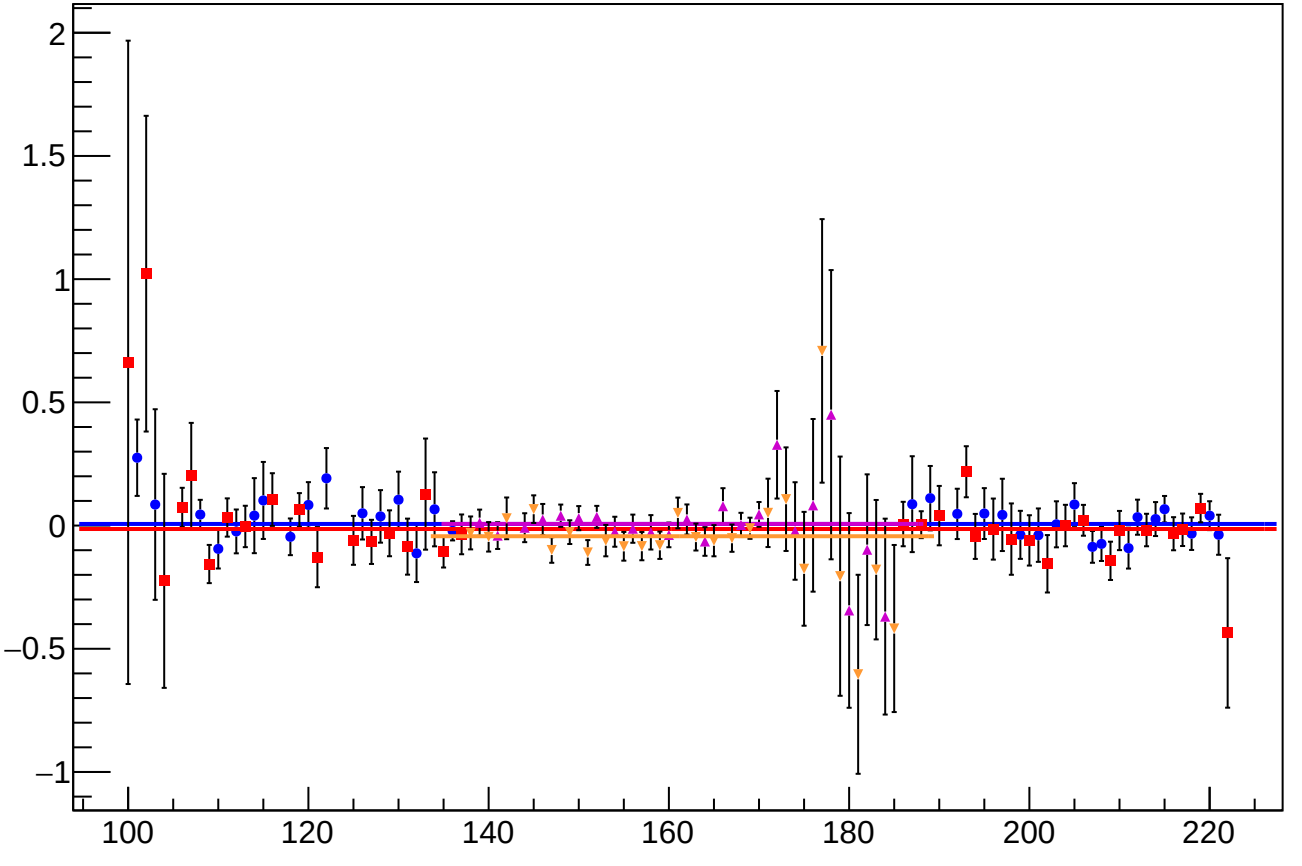
Right: 0.000+/-0.000 χ^2/NDF: 25579793.1/69

In: 0.000+/-0.000 χ^2/NDF:16631268.6/56

Out: 0.000+/-0.000 χ^2/NDF:15769718.8/59

All: 0.000+/-0.000 χ^2/NDF: 32414407.9/116

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.014+/-0.015 χ^2/NDF: 30.7/35

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

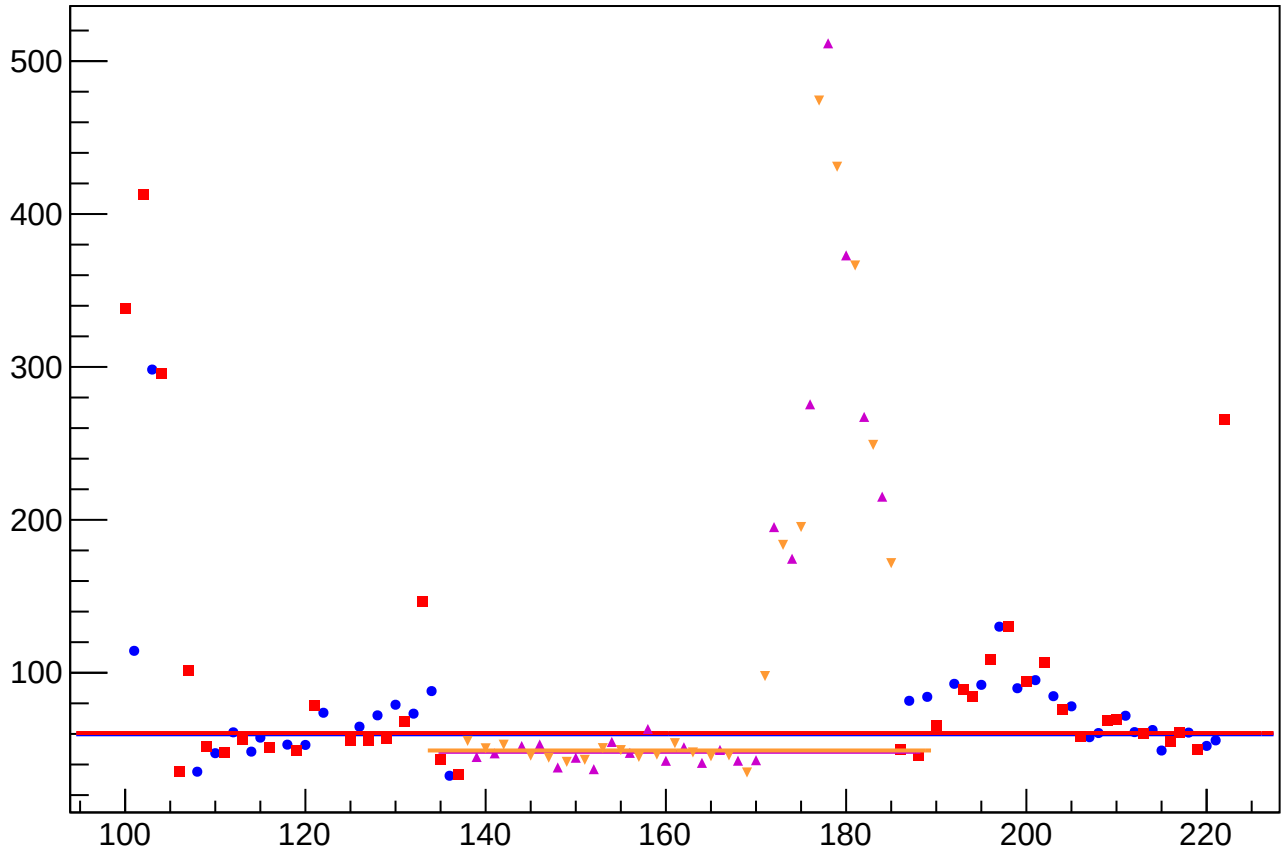
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.003+/-0.010 χ^2/NDF: 53.1/69

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/59

All: -0.011+/-0.007 χ^2/NDF: 90.9/116



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: 60.596+/-0.010 χ^2/NDF: 5316344.3/35

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

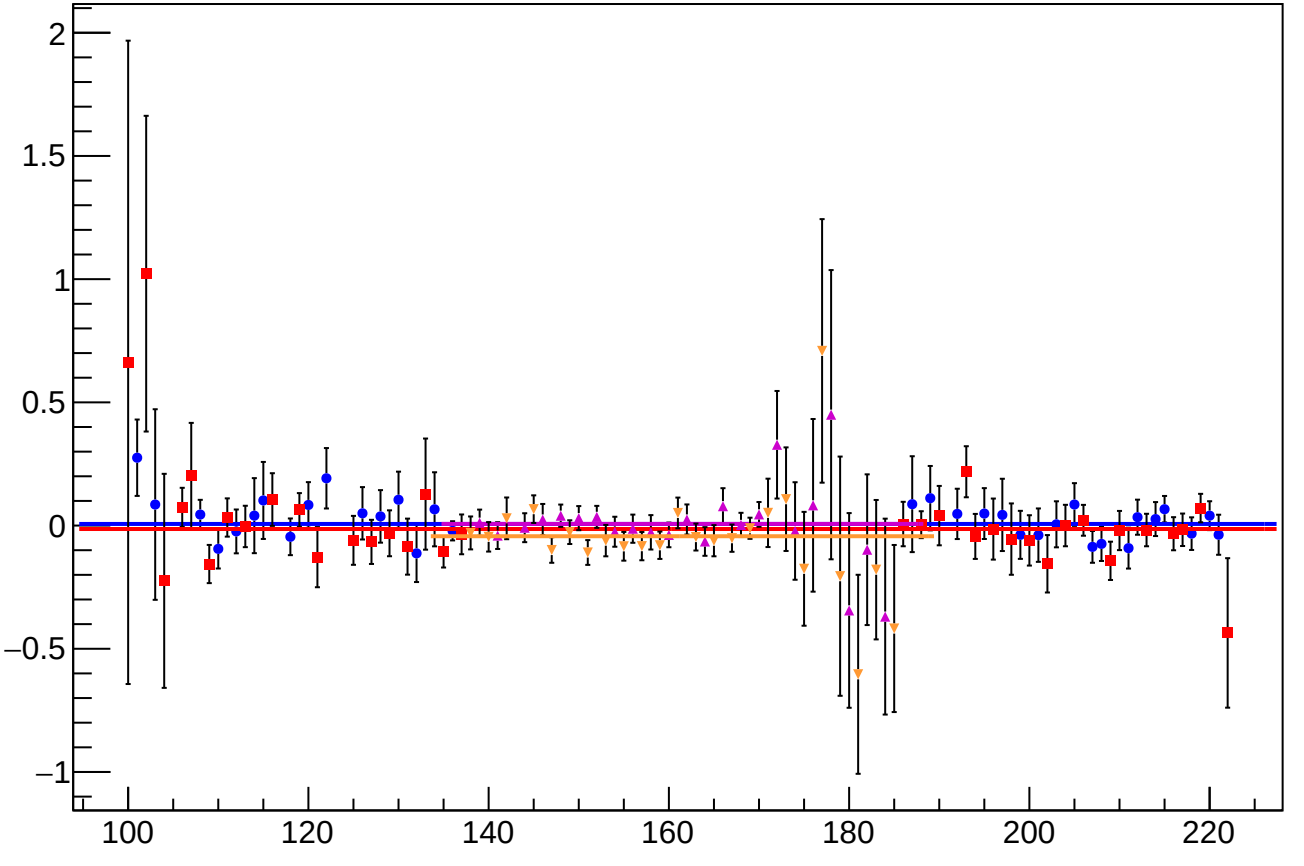
Right: 60.170+/-0.007 χ^2/NDF: 9696876.6/69

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.559+/-0.007 χ^2/NDF:13201608.7/59

All: 54.119+/-0.005 χ^2/NDF: 25303256.2/116

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.014+/-0.015 χ^2/NDF: 30.7/35

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

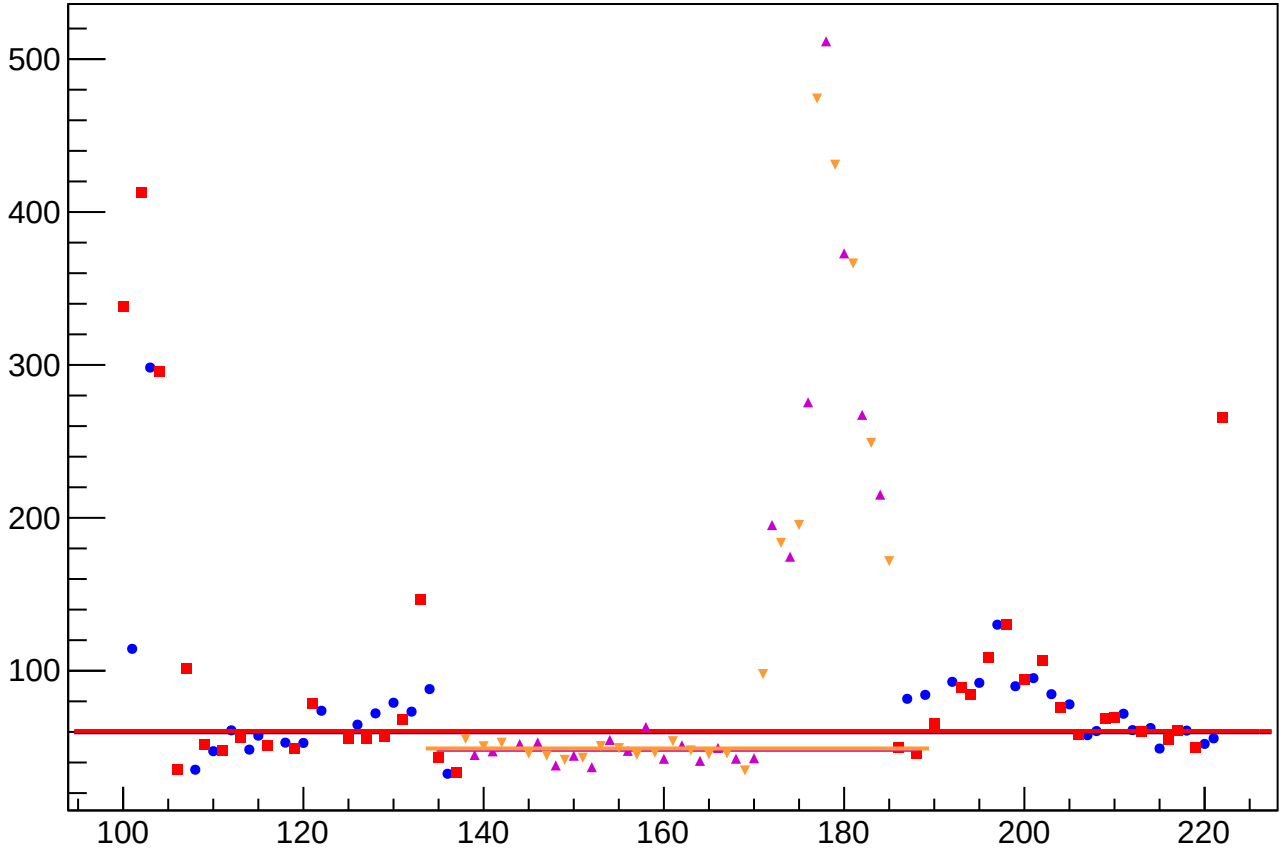
Right: -0.003+/-0.010 χ^2/NDF: 53.1/69

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/59

All: -0.011+/-0.007 χ^2/NDF: 90.9/116

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: 60.596+/-0.010 χ^2/NDF: 5316344.3/35

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

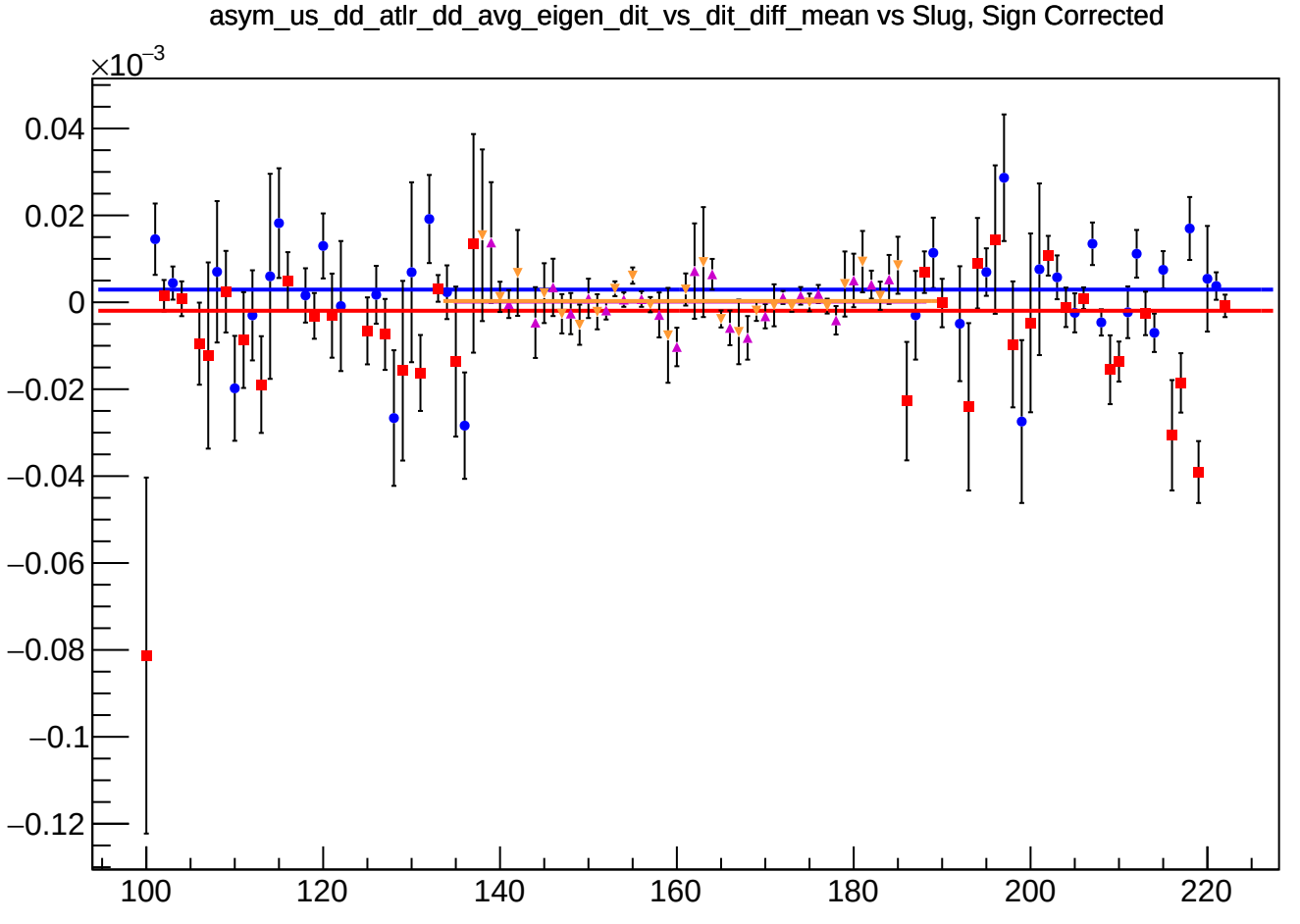
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.170+/-0.007 χ^2/NDF: 9696876.6/69

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.559+/-0.007 χ^2/NDF:13201608.7/59

All: 54.119+/-0.005 χ^2/NDF: 25303256.2/116



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: 83.9/35

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

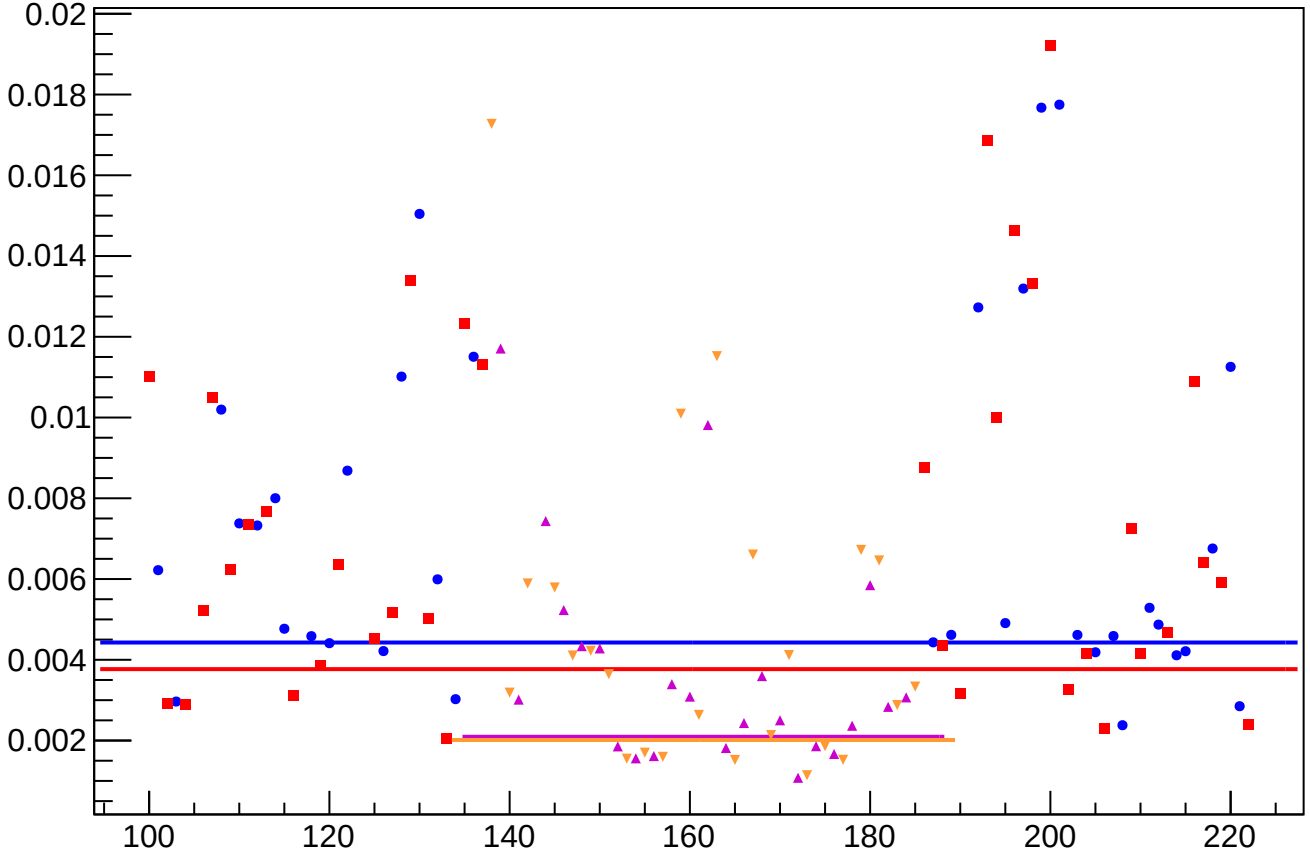
Right: 0.000+/-0.000 χ^2/NDF: 151.2/69

In: 0.000+/-0.000 χ^2/NDF:86.3/56

Out: -0.000+/-0.000 χ^2/NDF:116.7/59

All: 0.000+/-0.000 χ^2/NDF: 205.3/116

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: 10758260.4/35

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

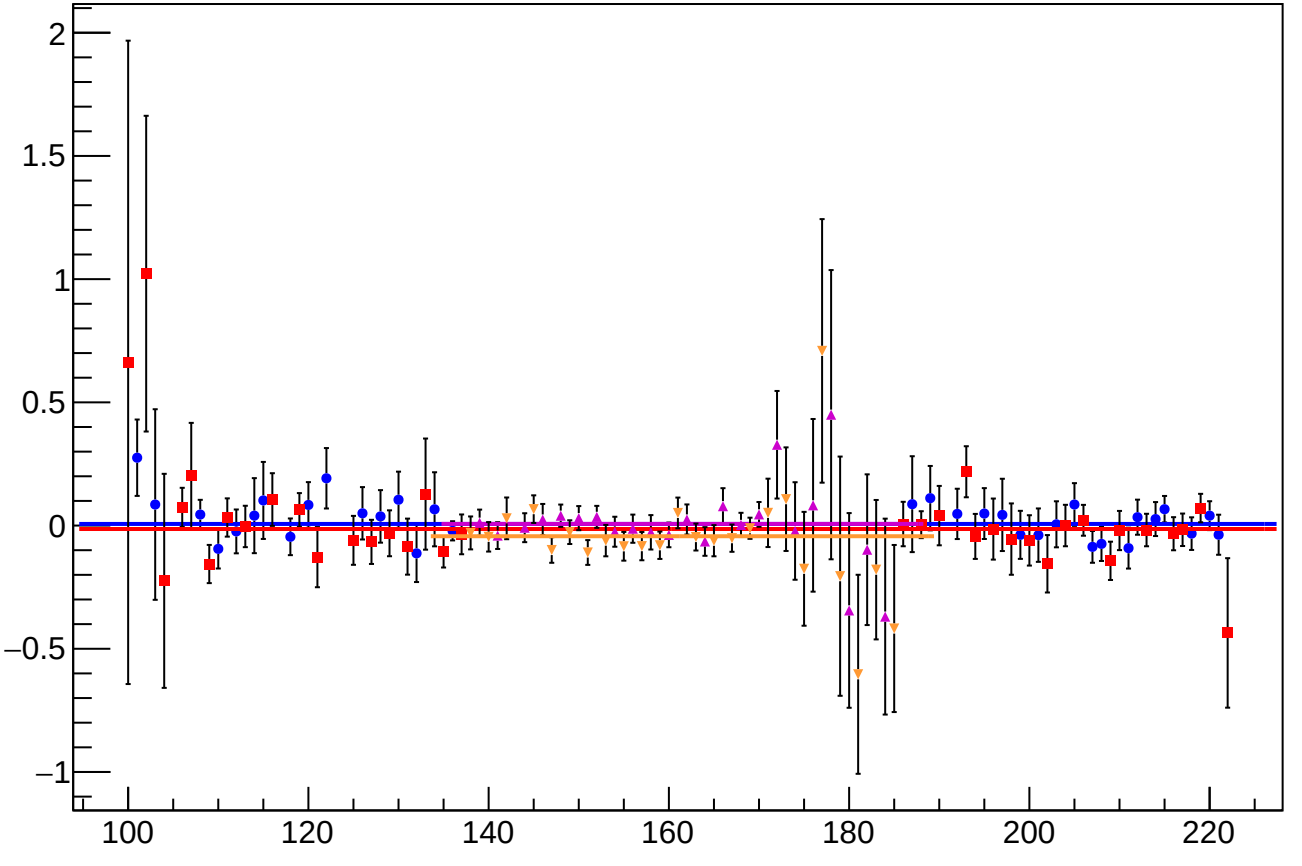
Right: 0.004+/-0.000 χ^2/NDF: 19771584.4/69

In: 0.003+/-0.000 χ^2/NDF:22726936.3/56

Out: 0.002+/-0.000 χ^2/NDF:25928495.8/59

All: 0.003+/-0.000 χ^2/NDF: 48784553.2/116

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.014+/-0.015 χ^2/NDF: 30.7/35

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

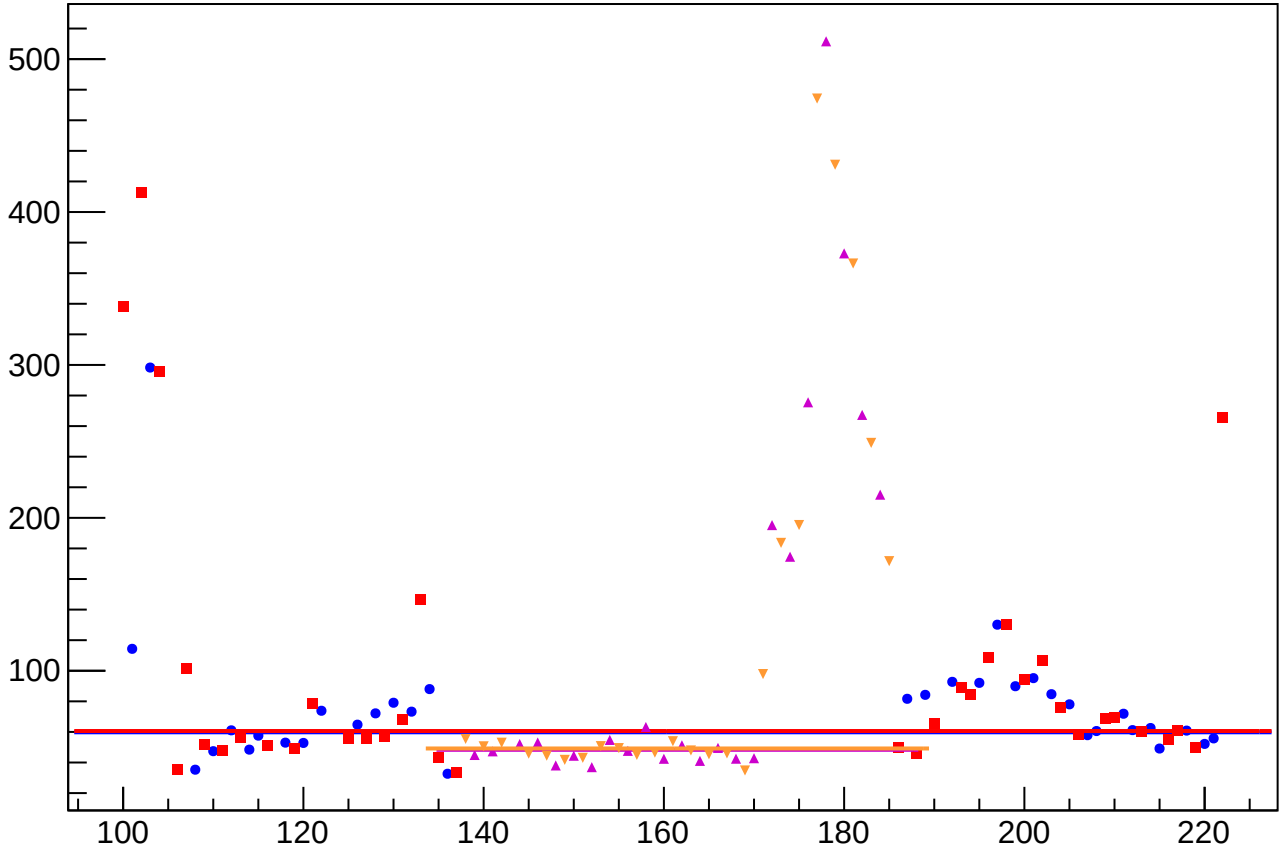
Right: -0.003+/-0.010 χ^2/NDF: 53.1/69

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/59

All: -0.011+/-0.007 χ^2/NDF: 90.9/116

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: 60.597+/-0.010 χ^2/NDF: 5316180.1/35

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

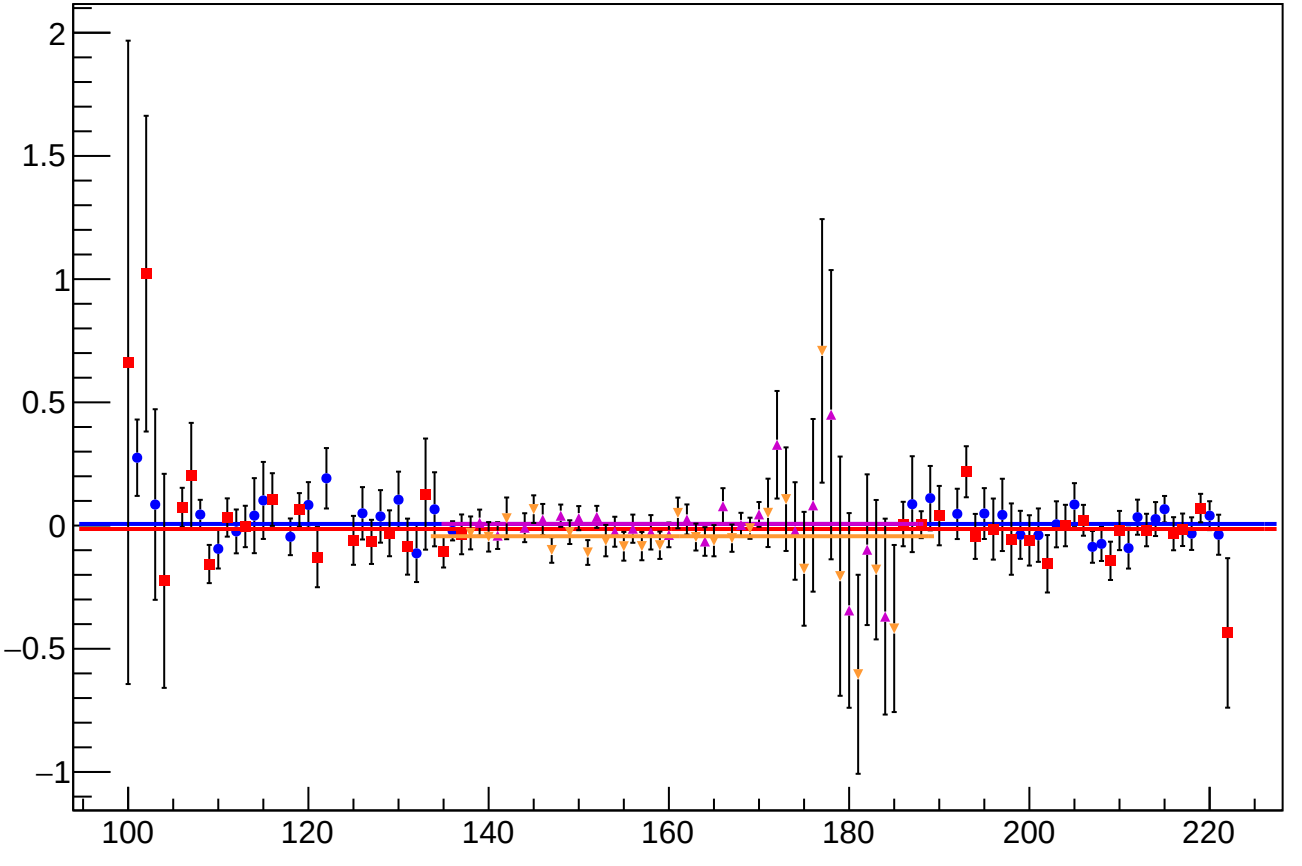
Right: 60.170+/-0.007 χ^2/NDF: 9696544.2/69

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.559+/-0.007 χ^2/NDF:13201567.0/59

All: 54.119+/-0.005 χ^2/NDF: 25302952.8/116

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.014+/-0.015 χ^2/NDF: 30.7/35

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

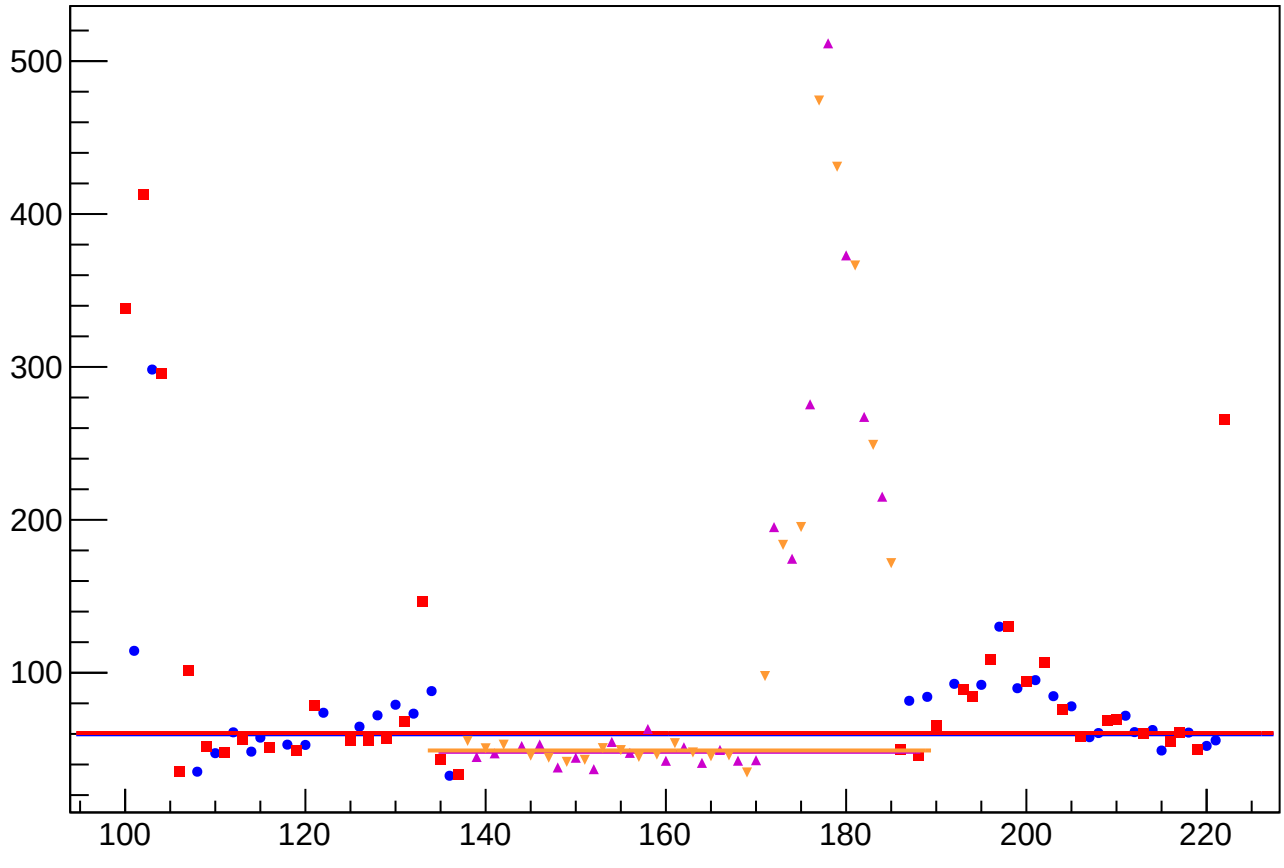
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.003+/-0.010 χ^2/NDF: 53.1/69

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/59

All: -0.011+/-0.007 χ^2/NDF: 90.9/116



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: 60.597+/-0.010 χ^2/NDF: 5316180.1/35

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

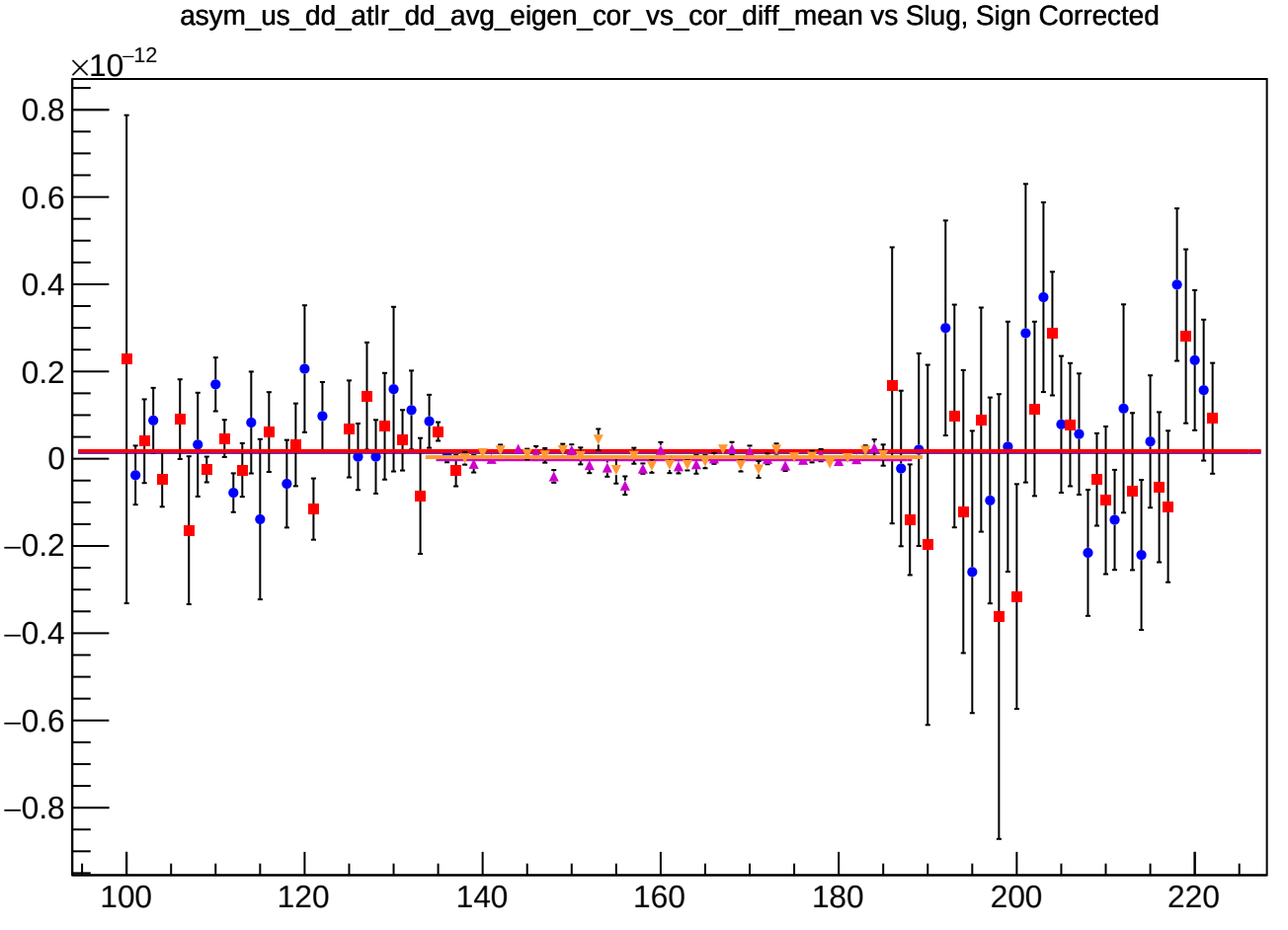
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.170+/-0.007 χ^2/NDF: 9696544.2/69

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.559+/-0.007 χ^2/NDF:13201567.0/59

All: 54.119+/-0.005 χ^2/NDF: 25302952.8/116



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: 30.6/35

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

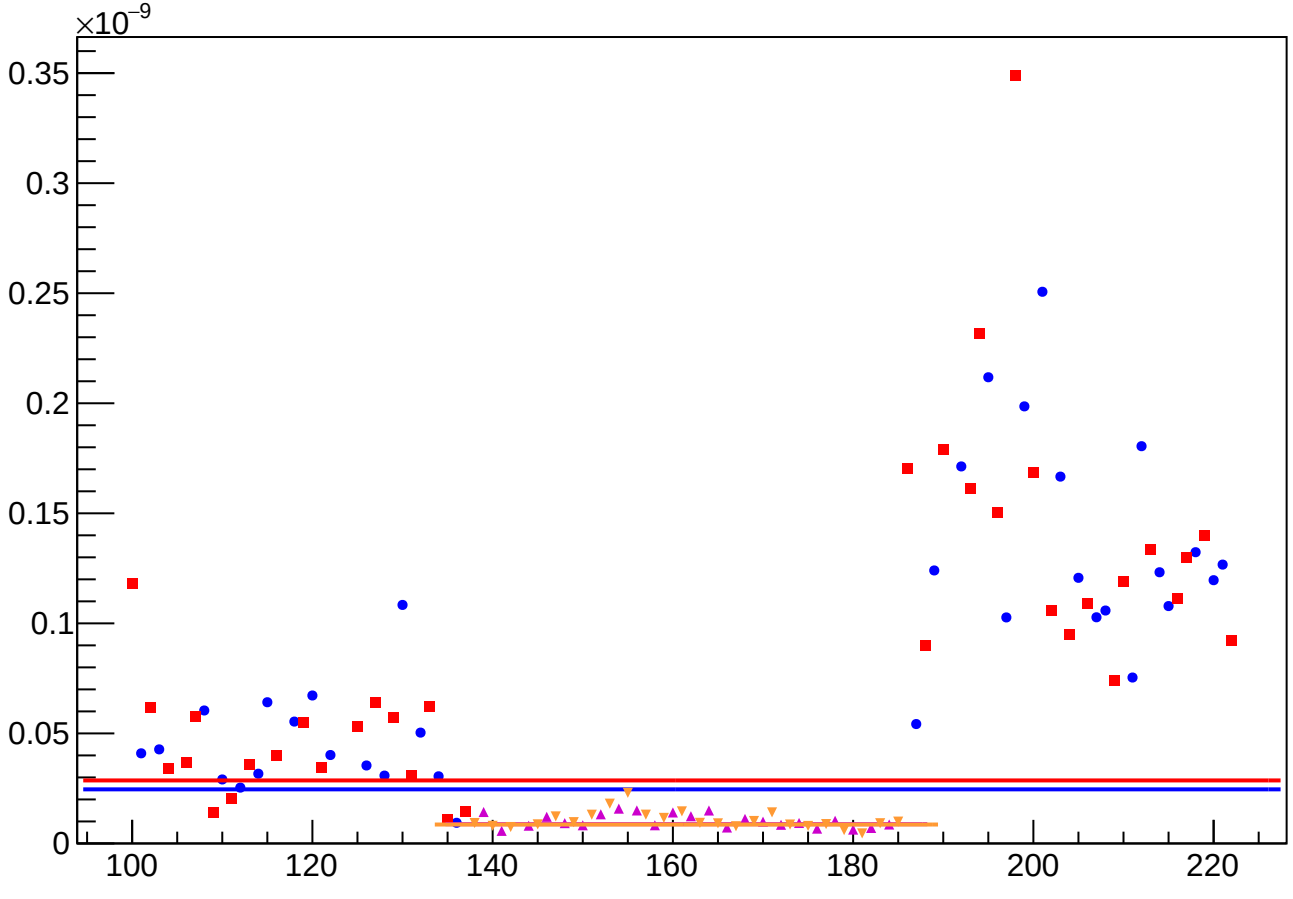
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 70.6/69

In: -0.000+/-0.000 χ^2/NDF:82.3/56

Out: 0.000+/-0.000 χ^2/NDF:56.5/59

All: 0.000+/-0.000 χ^2/NDF: 140.3/116



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: 12887099.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

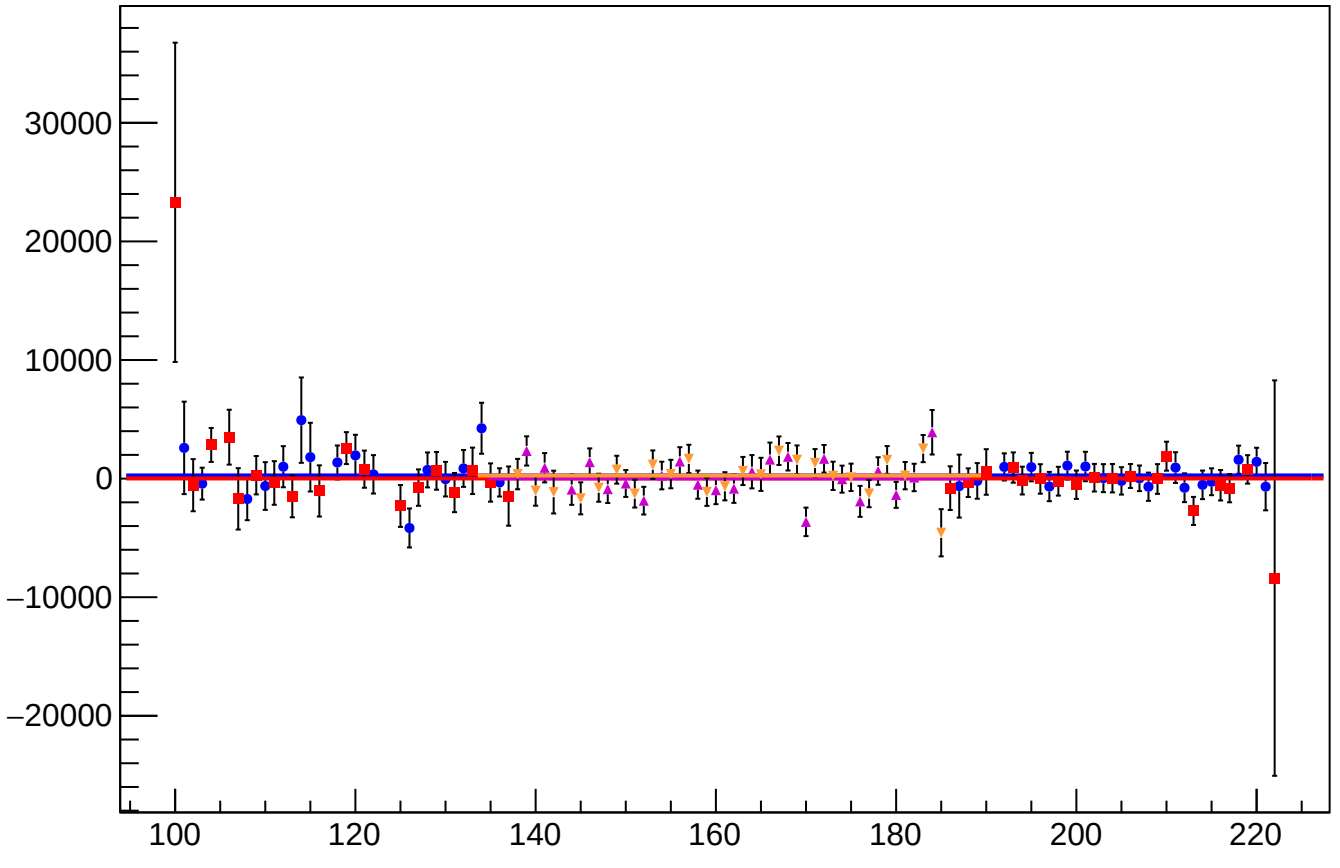
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 28415125.8/69

In: 0.000+/-0.000 χ^2/NDF:21300387.2/56

Out: 0.000+/-0.000 χ^2/NDF:20693499.4/59

All: 0.000+/-0.000 χ^2/NDF: 41996312.5/116



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: 12.477+/-245.581 χ^2/NDF: 27.9/35

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

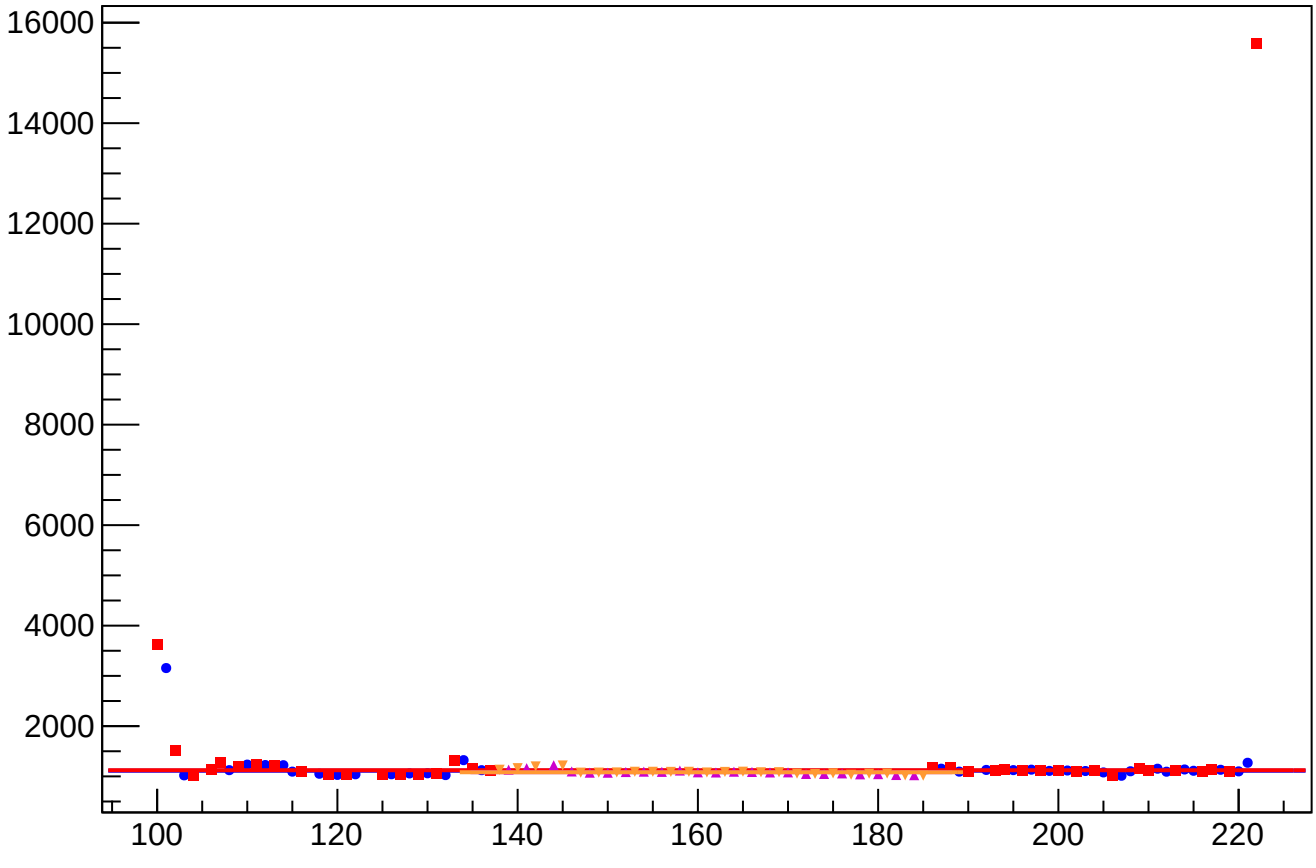
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 141.893+/-172.400 χ^2/NDF: 52.8/69

In: 150.575+/-175.019 χ^2/NDF:60.6/56

Out: 133.658+/-175.673 χ^2/NDF:56.7/59

All: 142.148+/-123.988 χ^2/NDF: 117.2/116



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: 1122.552+/-0.174 χ^2/NDF: 1760520.0/35

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

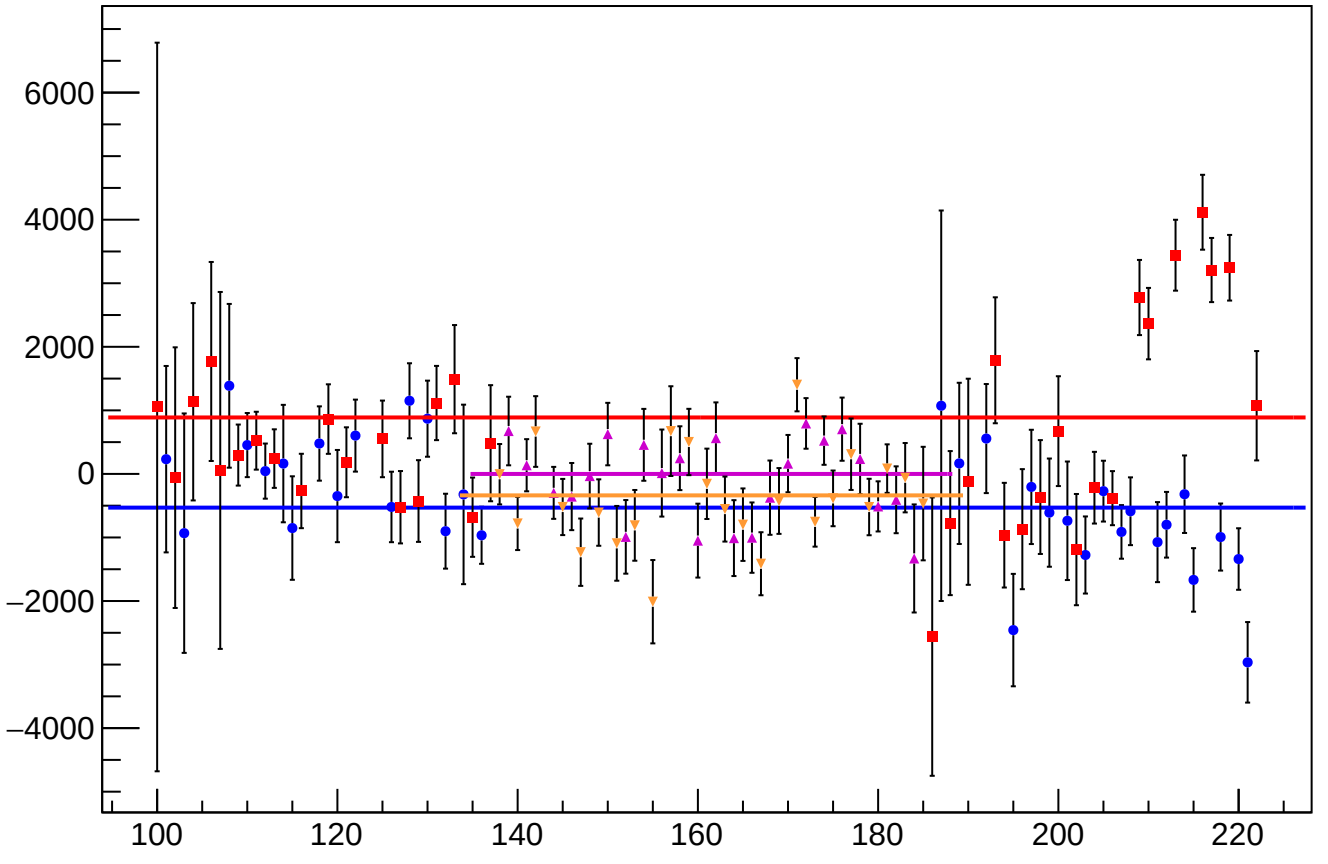
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1117.476+/-0.122 χ^2/NDF: 2423420.4/69

In: 1099.000+/-0.124 χ^2/NDF:727773.3/56

Out: 1102.901+/-0.124 χ^2/NDF:1844618.7/59

All: 1100.943+/-0.088 χ^2/NDF: 2572887.0/11



Right In: -530.475+/-108.383 χ^2/NDF: 65.2/33

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 888.276+/-112.031 χ^2/NDF: 173.0/35

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

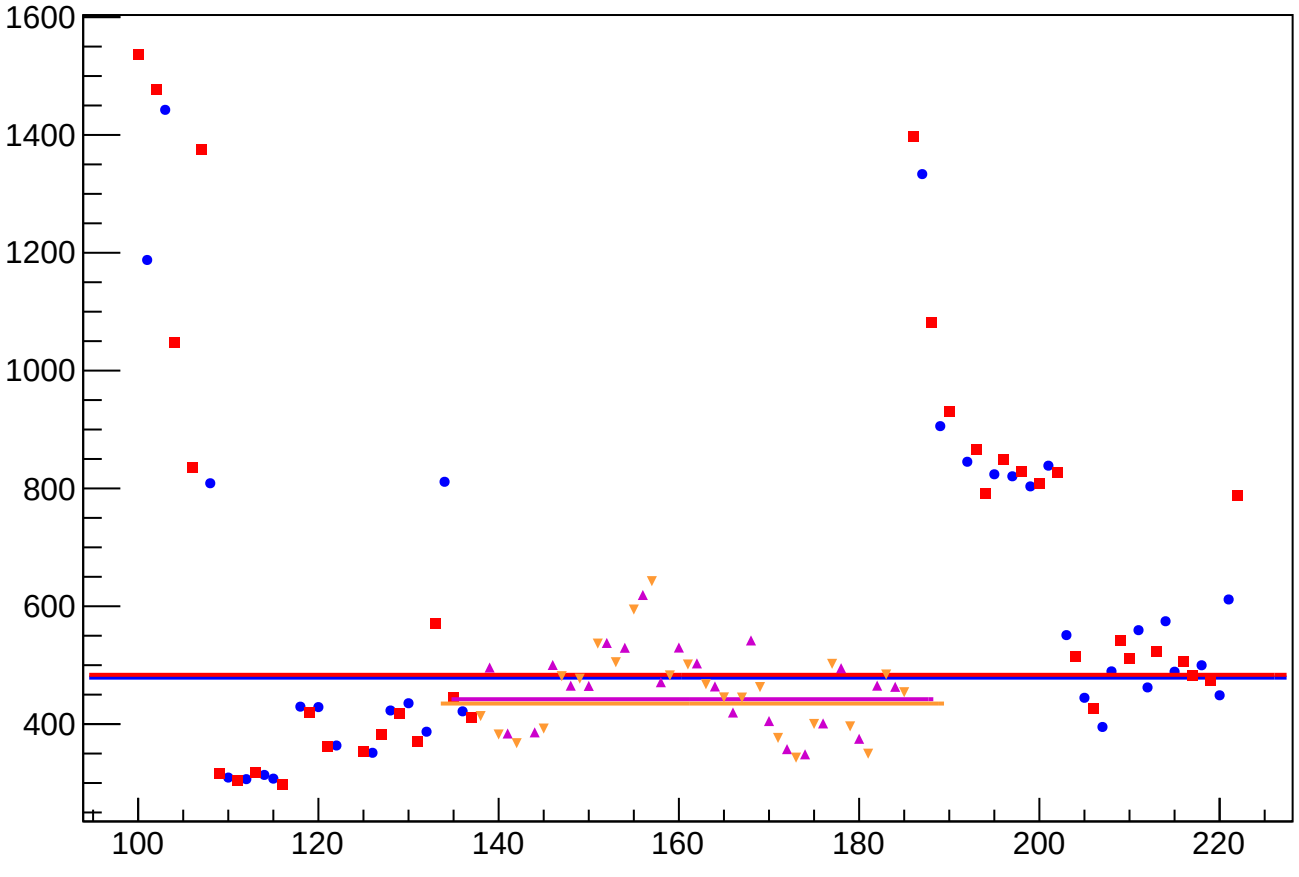
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 155.426+/-77.896 χ^2/NDF: 321.0/69

In: -256.438+/-75.315 χ^2/NDF:109.4/56

Out: 221.517+/-75.664 χ^2/NDF:286.9/59

All: -18.568+/-53.379 χ^2/NDF: 416.3/116



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: 483.659+/-0.079 χ^2/NDF: 5686525.9/35

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

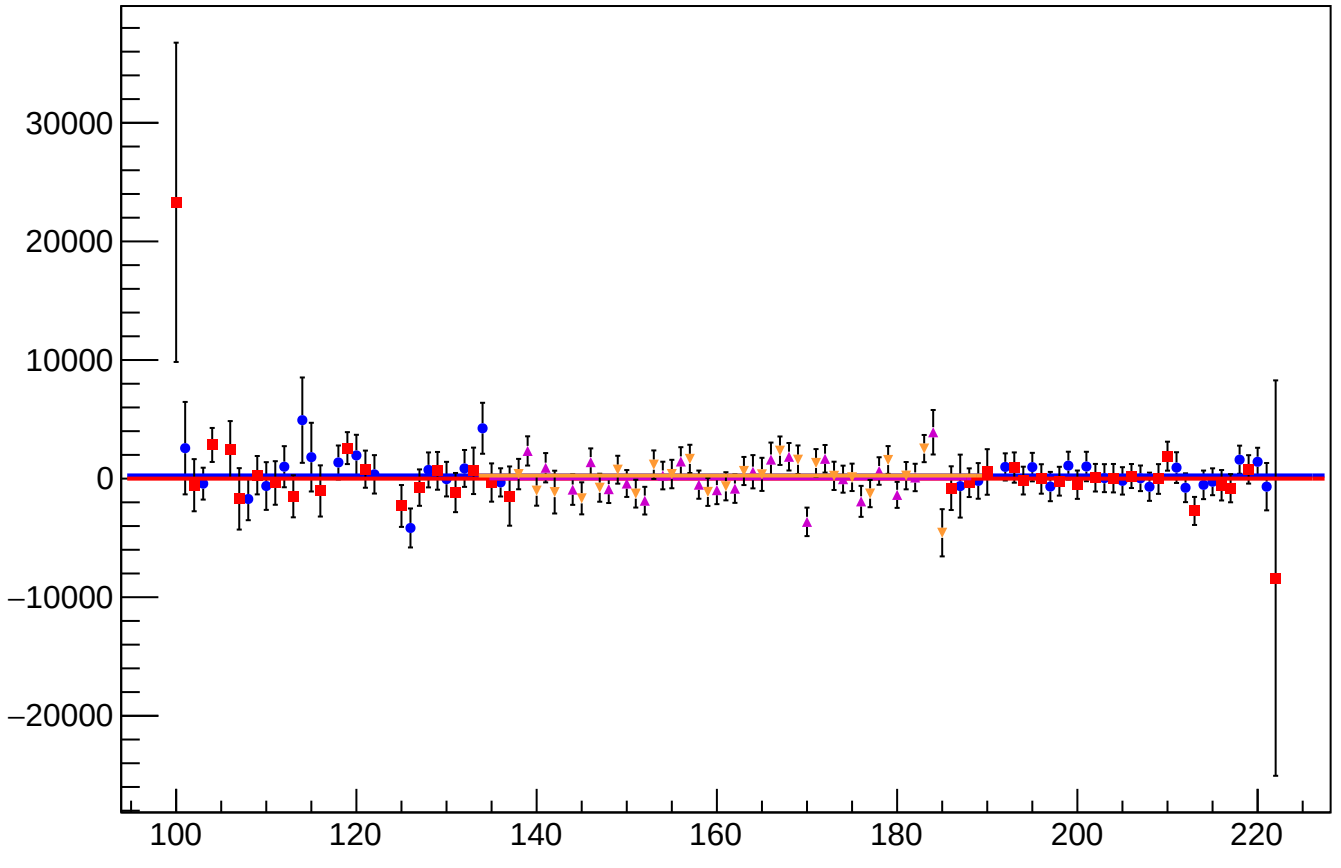
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 481.169+/-0.055 χ^2/NDF: 10166986.3/69

In: 459.896+/-0.053 χ^2/NDF:5422654.7/56

Out: 457.119+/-0.054 χ^2/NDF:6771330.1/59

All: 458.514+/-0.038 χ^2/NDF: 12195338.6/11



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: -1.514+/-245.688 χ^2/NDF: 26.7/35

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

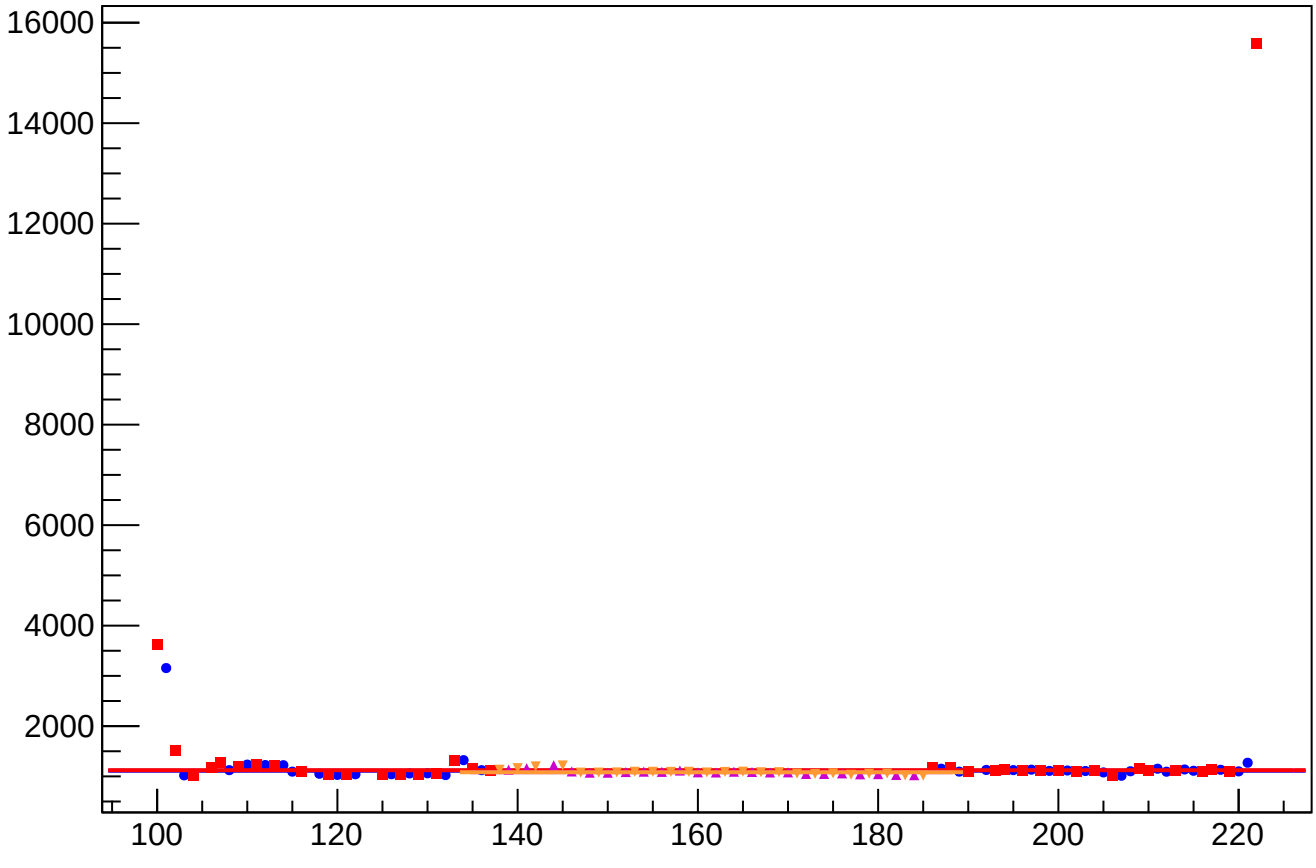
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 134.996+/-172.437 χ^2/NDF: 51.6/69

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 126.550+/-175.712 χ^2/NDF:55.5/59

All: 138.577+/-124.001 χ^2/NDF: 116.0/116



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: 1122.863+/-0.174 χ^2/NDF: 1761232.5/35

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

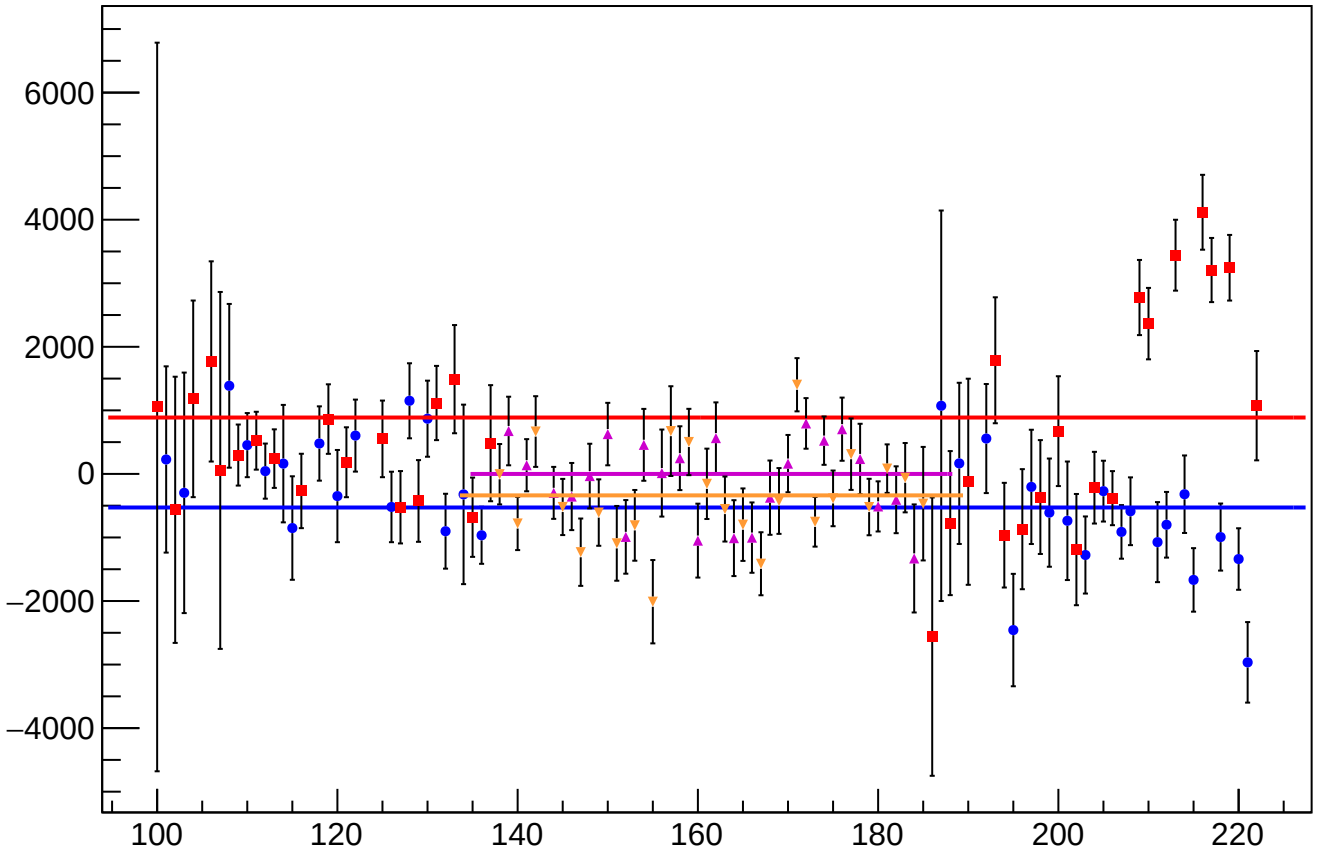
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1117.627+/-0.122 χ^2/NDF: 2424239.4/69

In: 1099.000+/-0.124 χ^2/NDF:727774.2/56

Out: 1103.051+/-0.124 χ^2/NDF:1845726.3/59

All: 1101.017+/-0.088 χ^2/NDF: 2574034.4/11



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: 887.199+/-112.039 χ^2/NDF: 173.3/35

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

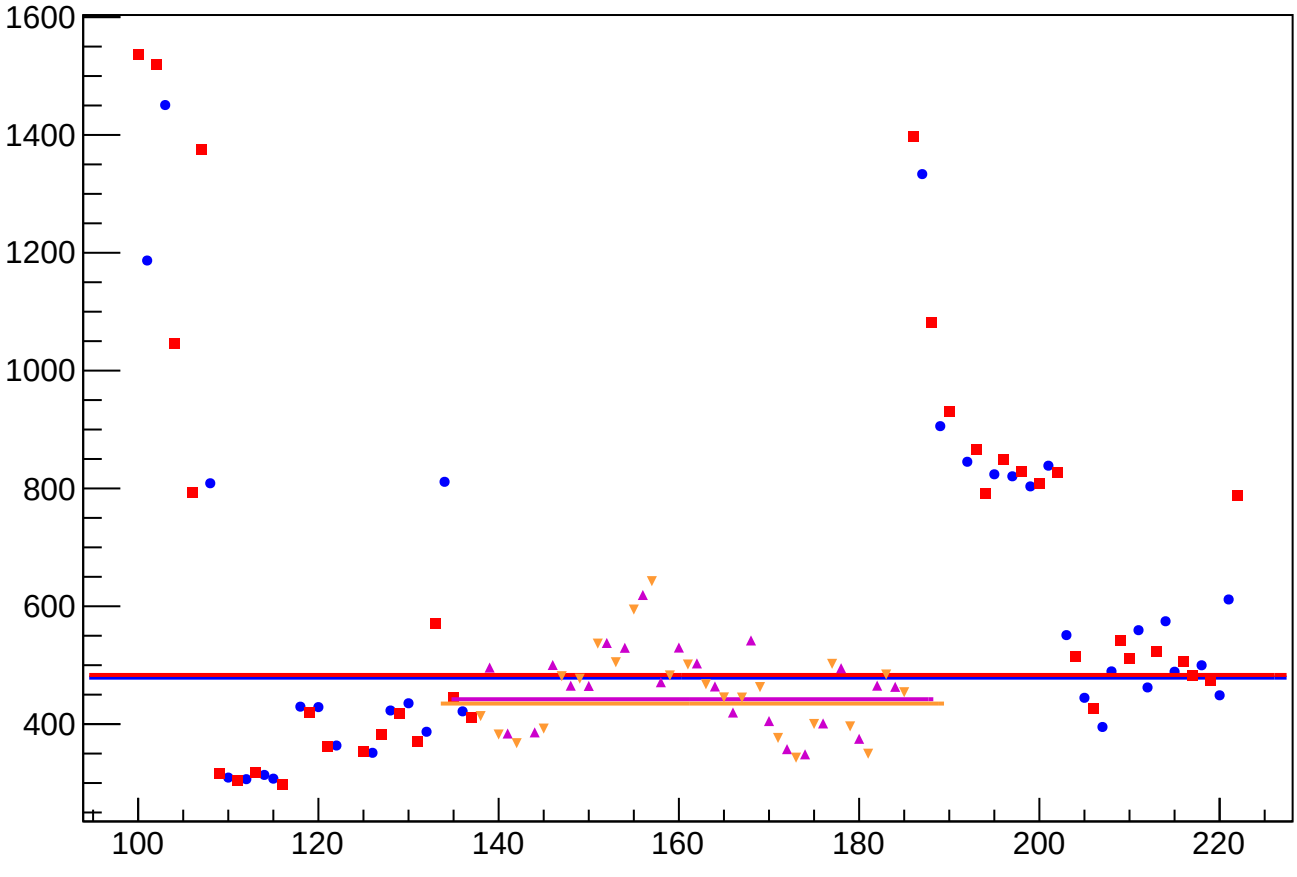
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 155.887+/-77.899 χ^2/NDF: 320.9/69

In: -255.485+/-75.315 χ^2/NDF:109.3/56

Out: 220.930+/-75.667 χ^2/NDF:287.1/59

All: -18.388+/-53.380 χ^2/NDF: 416.2/116



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: 483.434+/-0.079 χ^2/NDF: 5681522.2/35

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

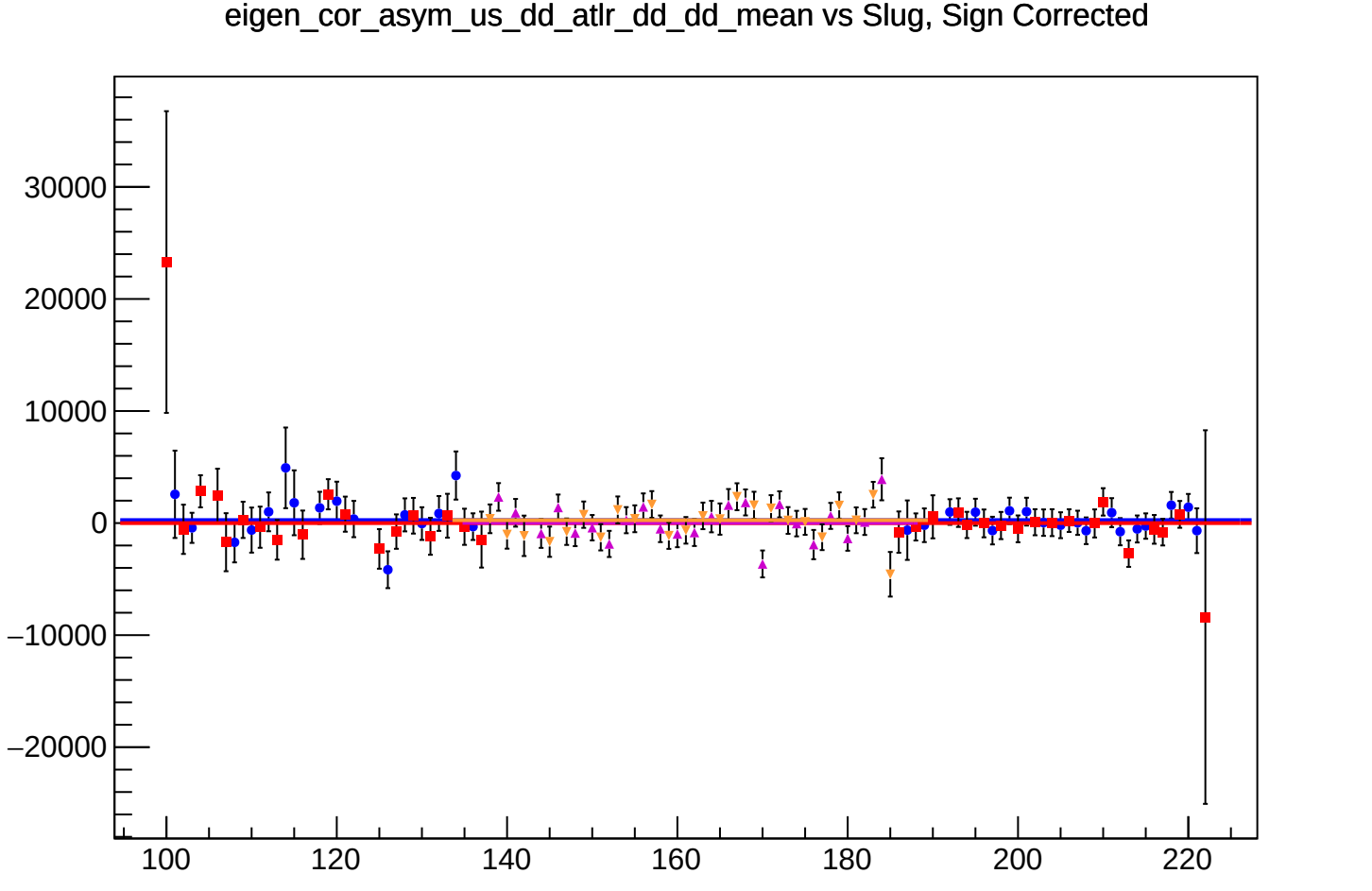
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 481.059+/-0.055 χ^2/NDF: 10165638.1/69

In: 459.895+/-0.053 χ^2/NDF:5426327.9/56

Out: 457.013+/-0.054 χ^2/NDF:6764523.4/59

All: 458.461+/-0.038 χ^2/NDF: 12192309.3/11



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: -1.514+/-245.688 χ^2/NDF: 26.7/35

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

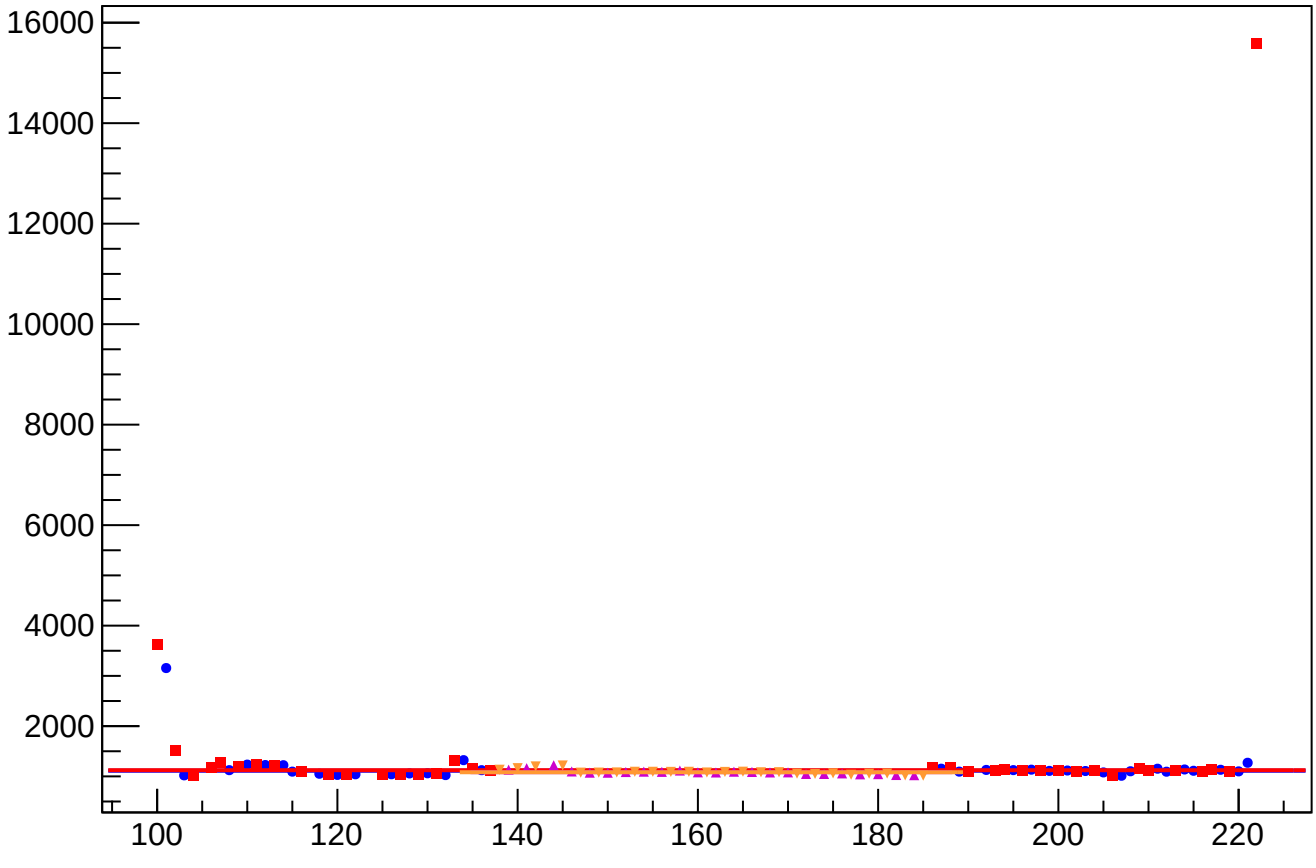
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 134.996+/-172.437 χ^2/NDF: 51.6/69

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 126.550+/-175.712 χ^2/NDF:55.5/59

All: 138.577+/-124.001 χ^2/NDF: 116.0/116


eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
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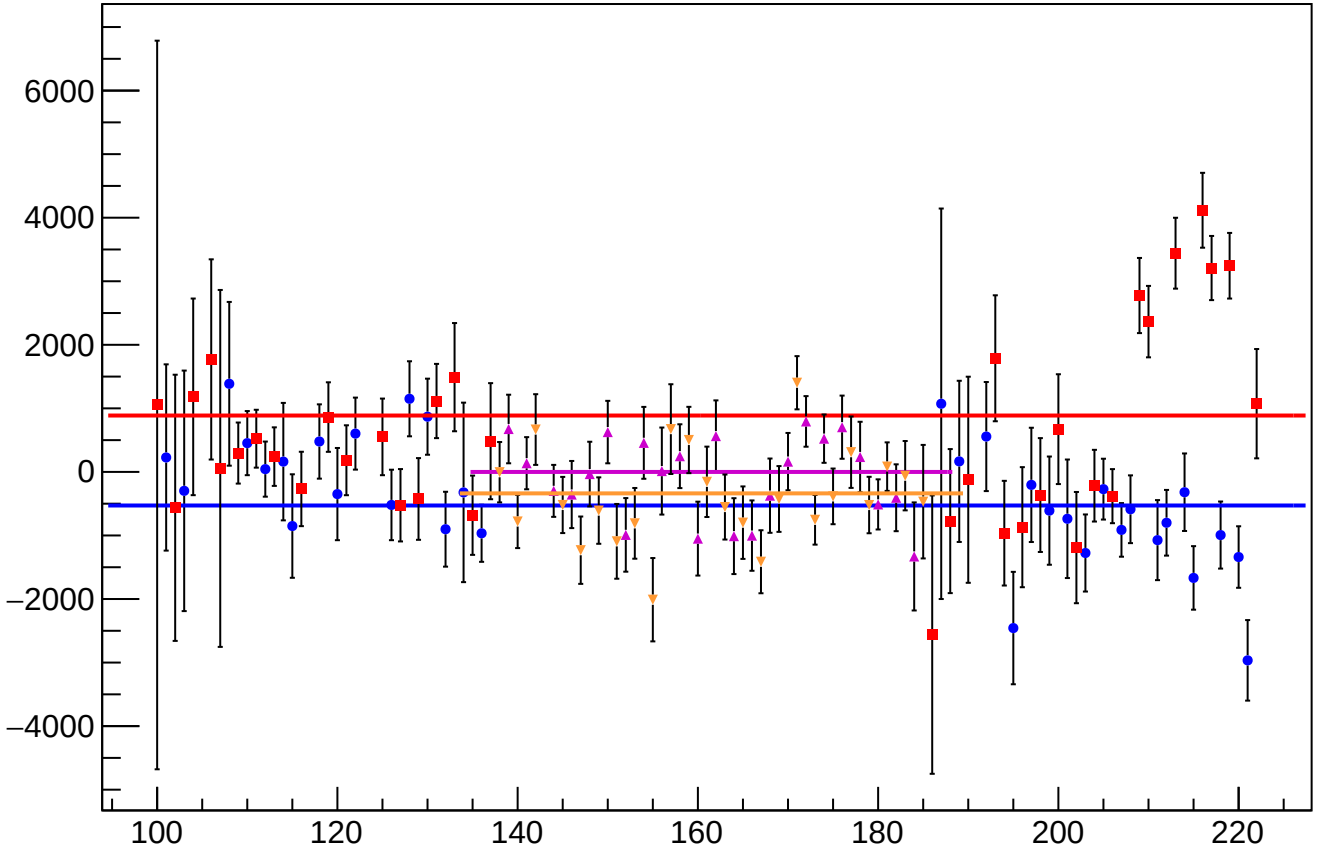
100
120
140
160
180
200
220
Right In: 1112.544+/-0.171 χ²/NDF: 661217.1/33
Left Out: 1082.308+/-0.178 χ²/NDF:57873.0/23
Right Out: 1122.863+/-0.174 χ²/NDF: 1761232.5/35
Left In: 1084.166+/-0.179 χ²/NDF:53438.8/22
Left: 1083.230+/-0.126 χ²/NDF: 111366.0/46
Right: 1117.627+/-0.122 χ²/NDF: 2424239.4/69
In: 1099.000+/-0.124 χ²/NDF:727774.2/56
Out: 1103.051+/-0.124 χ²/NDF:1845726.3/59
All: 1101.017+/-0.088 χ²/NDF: 2574034.4/11

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 887.199+/-112.039 χ^2/NDF: 173.3/35

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

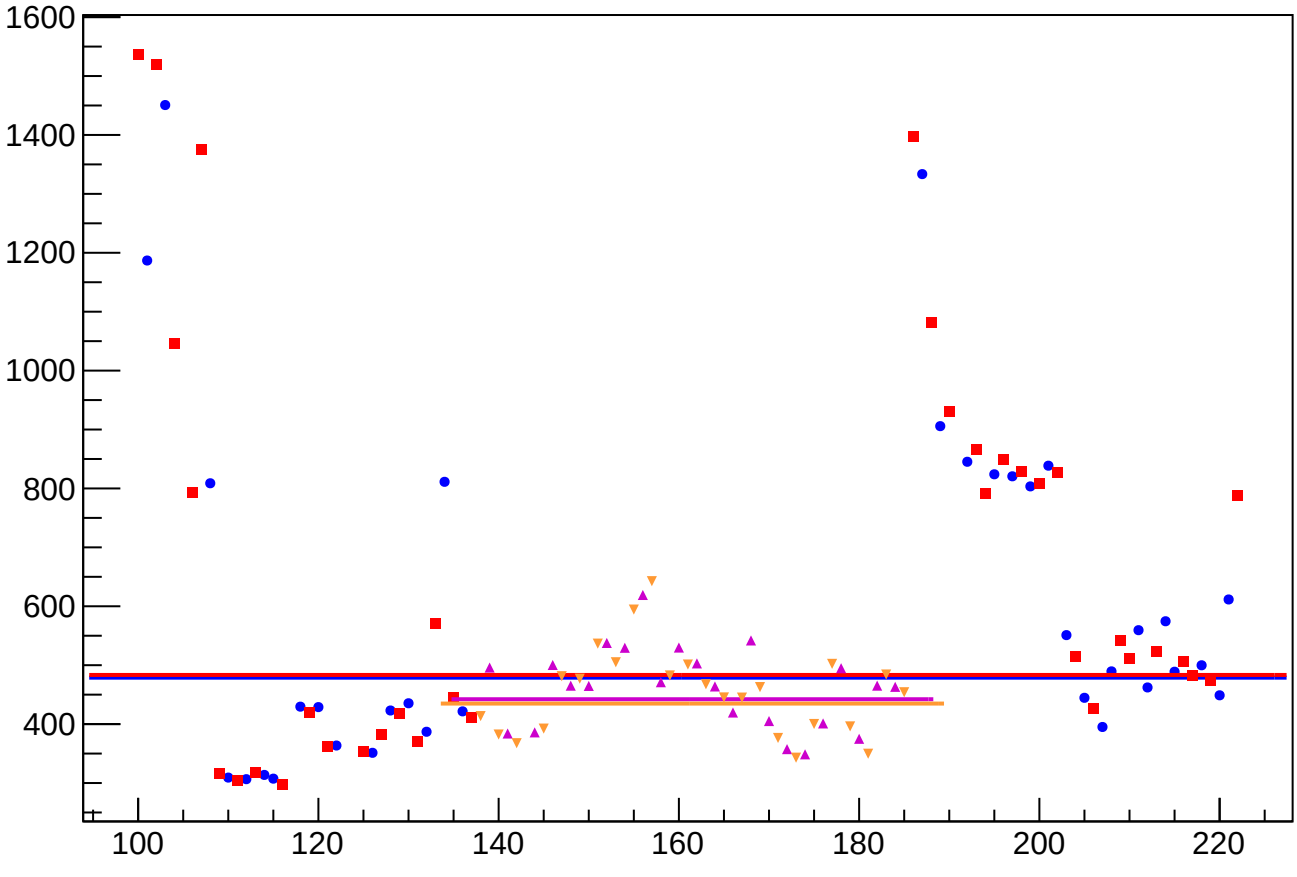
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 155.887+/-77.899 χ^2/NDF: 320.9/69

In: -255.485+/-75.315 χ^2/NDF:109.3/56

Out: 220.930+/-75.667 χ^2/NDF:287.1/59

All: -18.388+/-53.380 χ^2/NDF: 416.2/116



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: 483.434+/-0.079 χ^2/NDF: 5681522.2/35

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

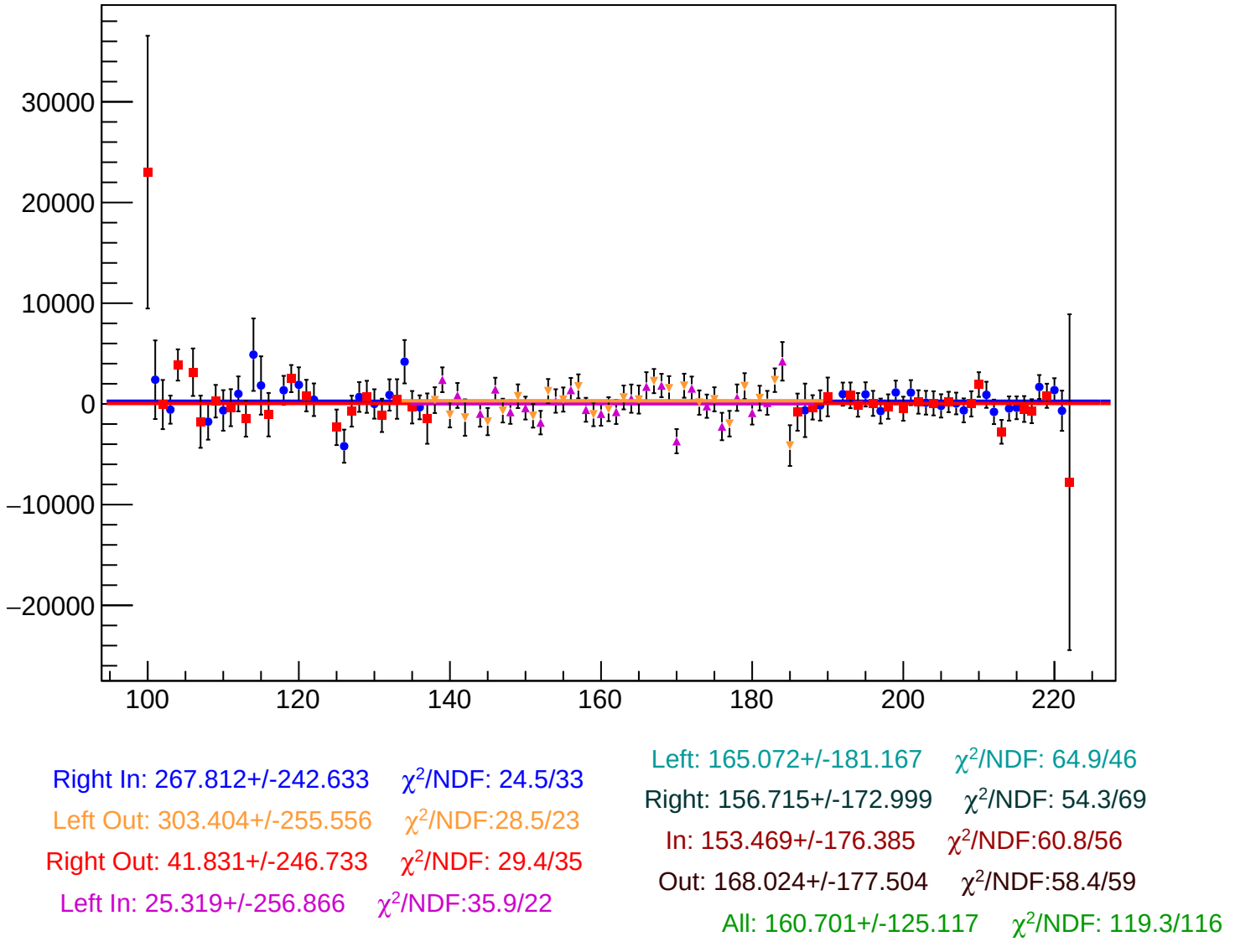
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 481.059+/-0.055 χ^2/NDF: 10165638.1/69

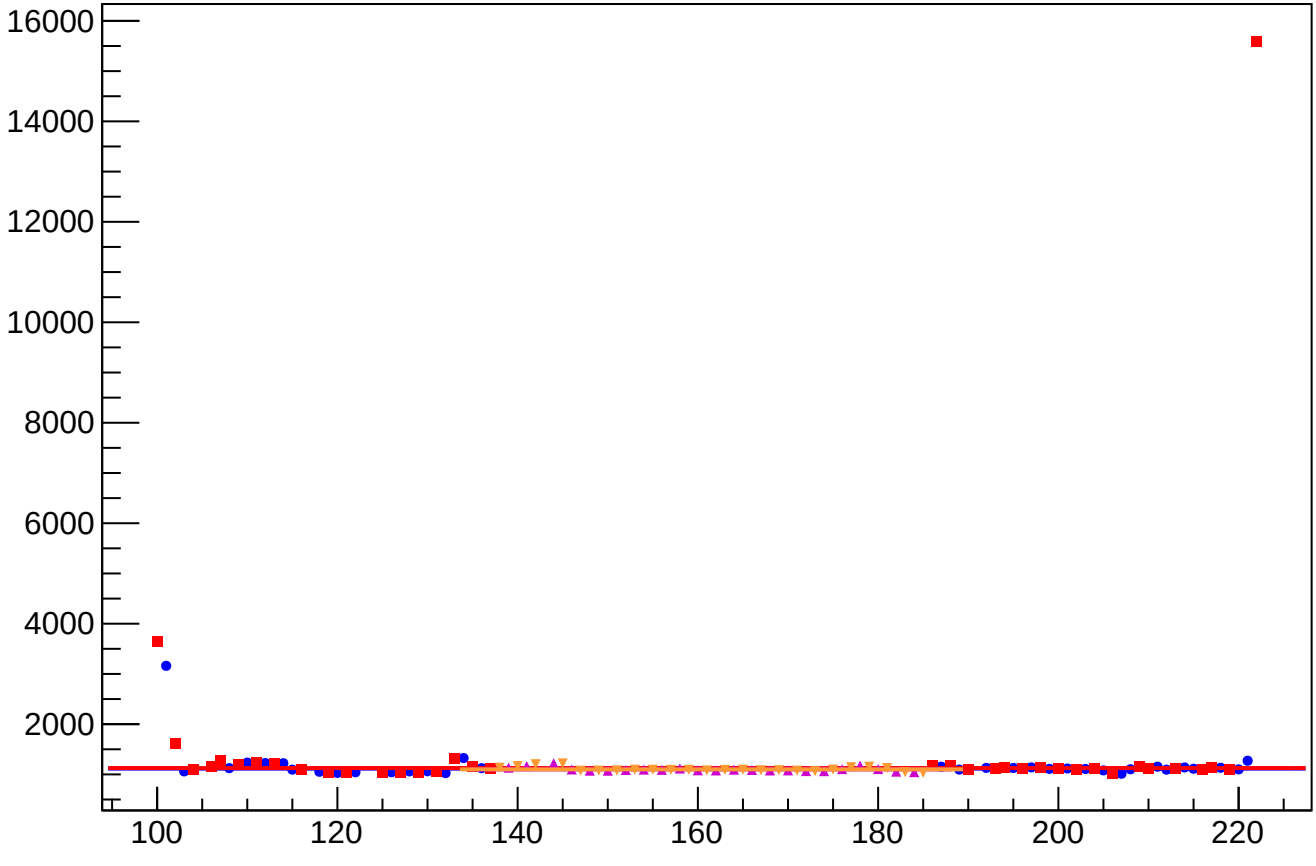
In: 459.895+/-0.053 χ^2/NDF:5426327.9/56

Out: 457.013+/-0.054 χ^2/NDF:6764523.4/59

All: 458.461+/-0.038 χ^2/NDF: 12192309.3/1


dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 267.812+/-242.633 χ²/NDF: 24.5/33
Left Out: 303.404+/-255.556 χ²/NDF:28.5/23
Right Out: 41.831+/-246.733 χ²/NDF: 29.4/35
Left In: 25.319+/-256.866 χ²/NDF:35.9/22
Left: 165.072+/-181.167 χ²/NDF: 64.9/46
Right: 156.715+/-172.999 χ²/NDF: 54.3/69
In: 153.469+/-176.385 χ²/NDF:60.8/56
Out: 168.024+/-177.504 χ²/NDF:58.4/59
All: 160.701+/-125.117 χ²/NDF: 119.3/116

dit_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1115.117+/-0.172 χ^2/NDF: 655681.0/33

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1125.950+/-0.174 χ^2/NDF: 1766522.2/35

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

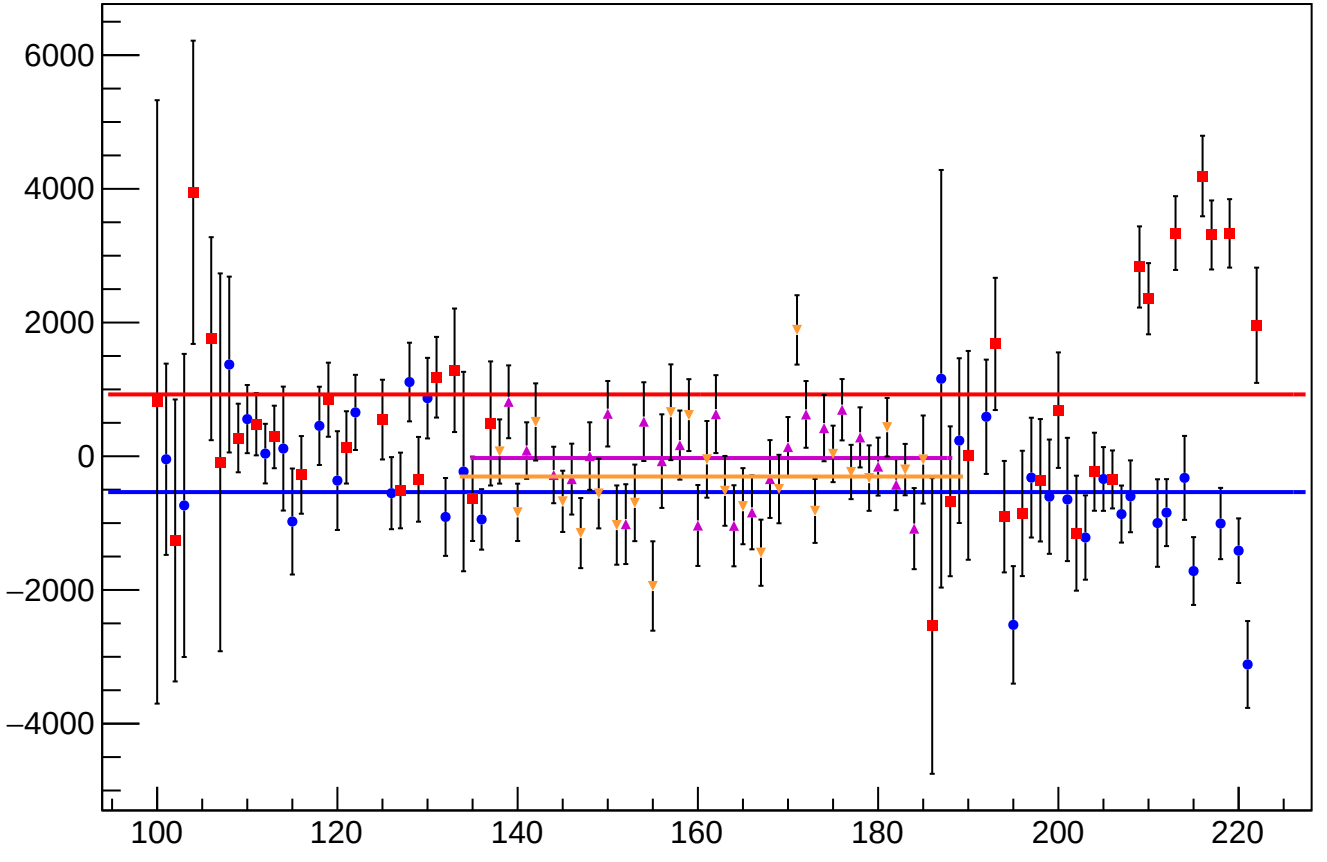
Right: 1120.443+/-0.122 χ^2/NDF: 2424163.1/69

In: 1107.679+/-0.125 χ^2/NDF:704453.1/56

Out: 1113.555+/-0.126 χ^2/NDF:1825758.1/59

All: 1110.598+/-0.088 χ^2/NDF: 2531314.1/11

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: 925.056+/-113.239 χ^2/NDF: 176.4/35

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

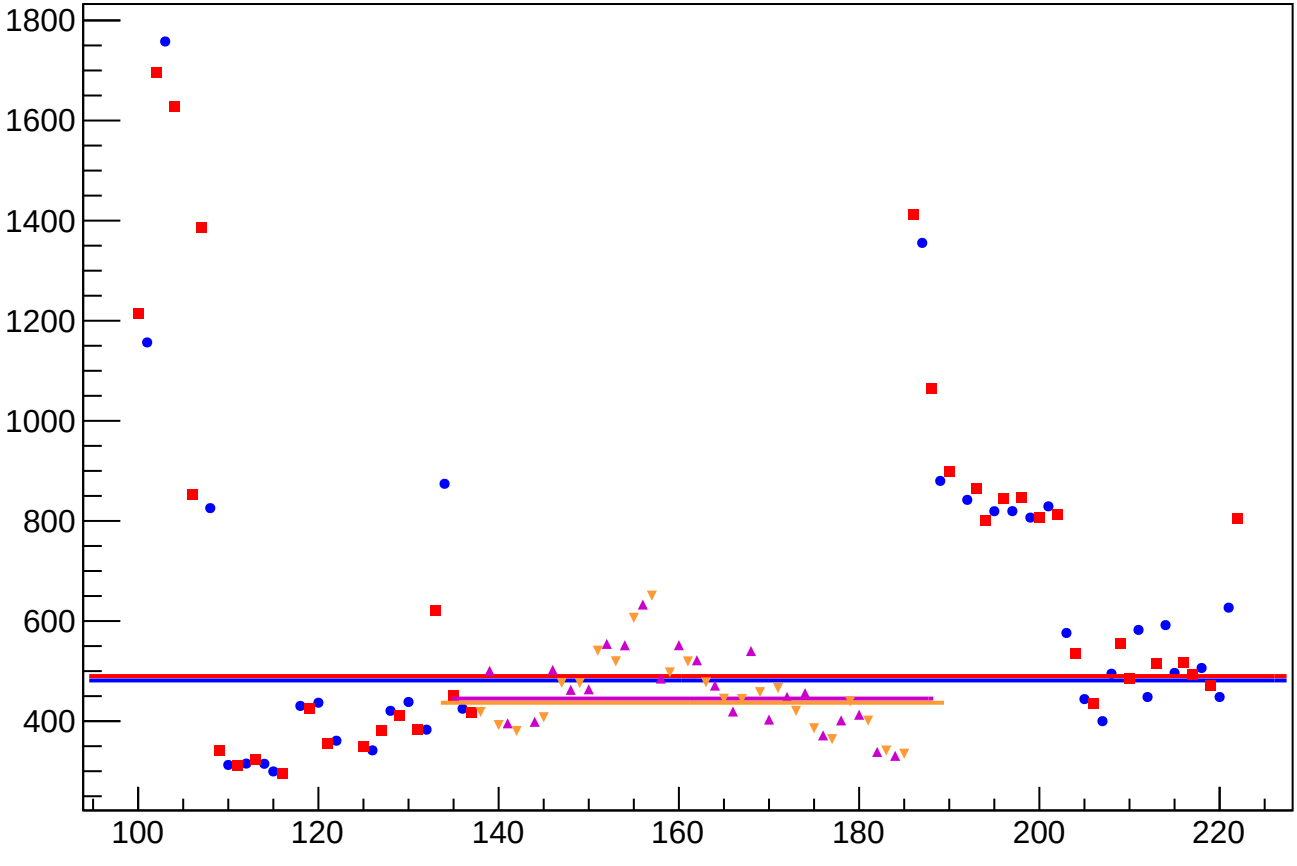
Right: 166.643+/-78.530 χ^2/NDF: 329.9/69

In: -272.897+/-75.777 χ^2/NDF:106.2/56

Out: 252.770+/-76.187 χ^2/NDF:290.4/59

All: -11.480+/-53.727 χ^2/NDF: 420.5/116

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: 490.110+/-0.080 χ^2/NDF: 6014394.4/35

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

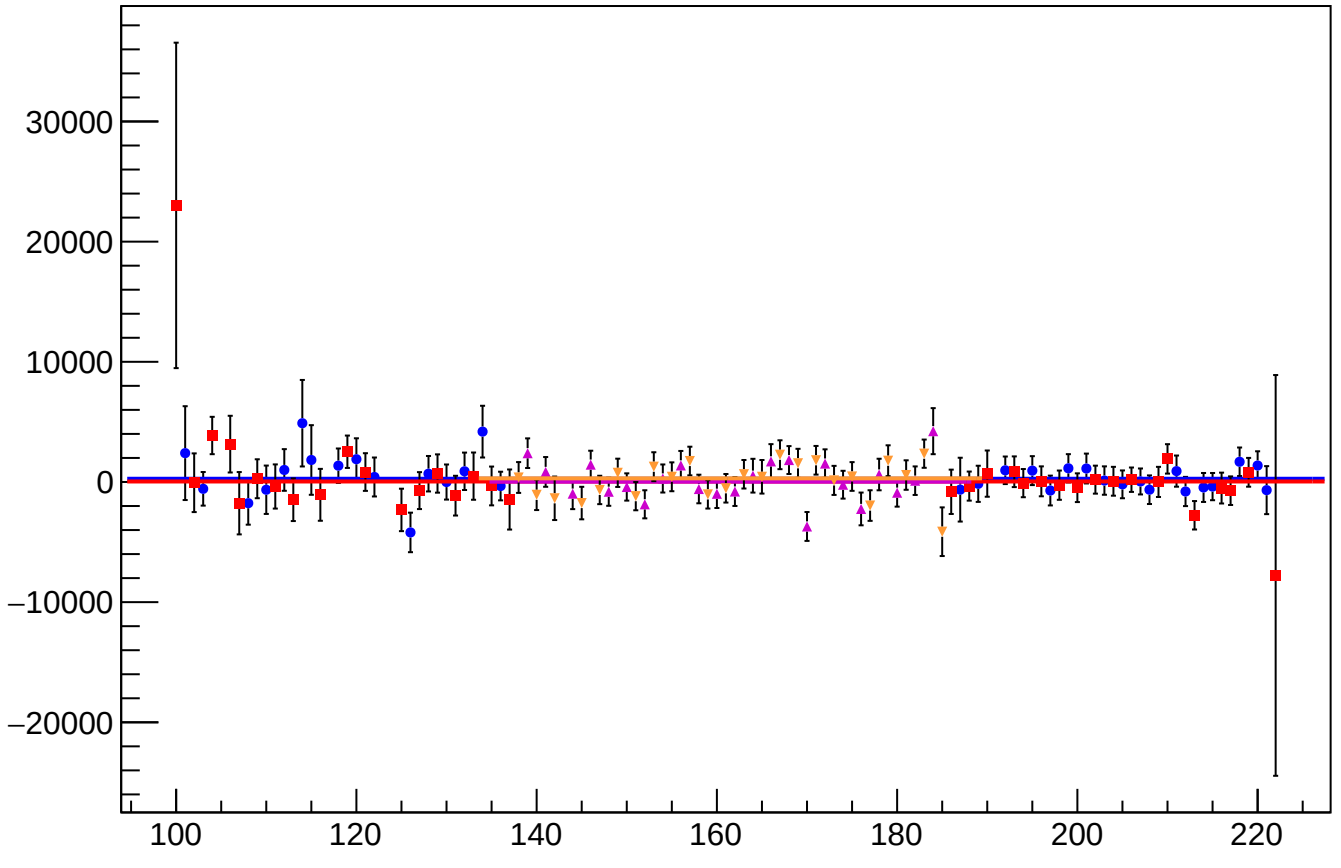
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 485.561+/-0.056 χ^2/NDF: 10654054.1/69

In: 462.623+/-0.054 χ^2/NDF:5622196.9/56

Out: 460.924+/-0.054 χ^2/NDF:7112333.7/59

All: 461.778+/-0.038 χ^2/NDF: 12735030.6/1



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: 41.829+/-246.733 χ^2/NDF: 29.4/35

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

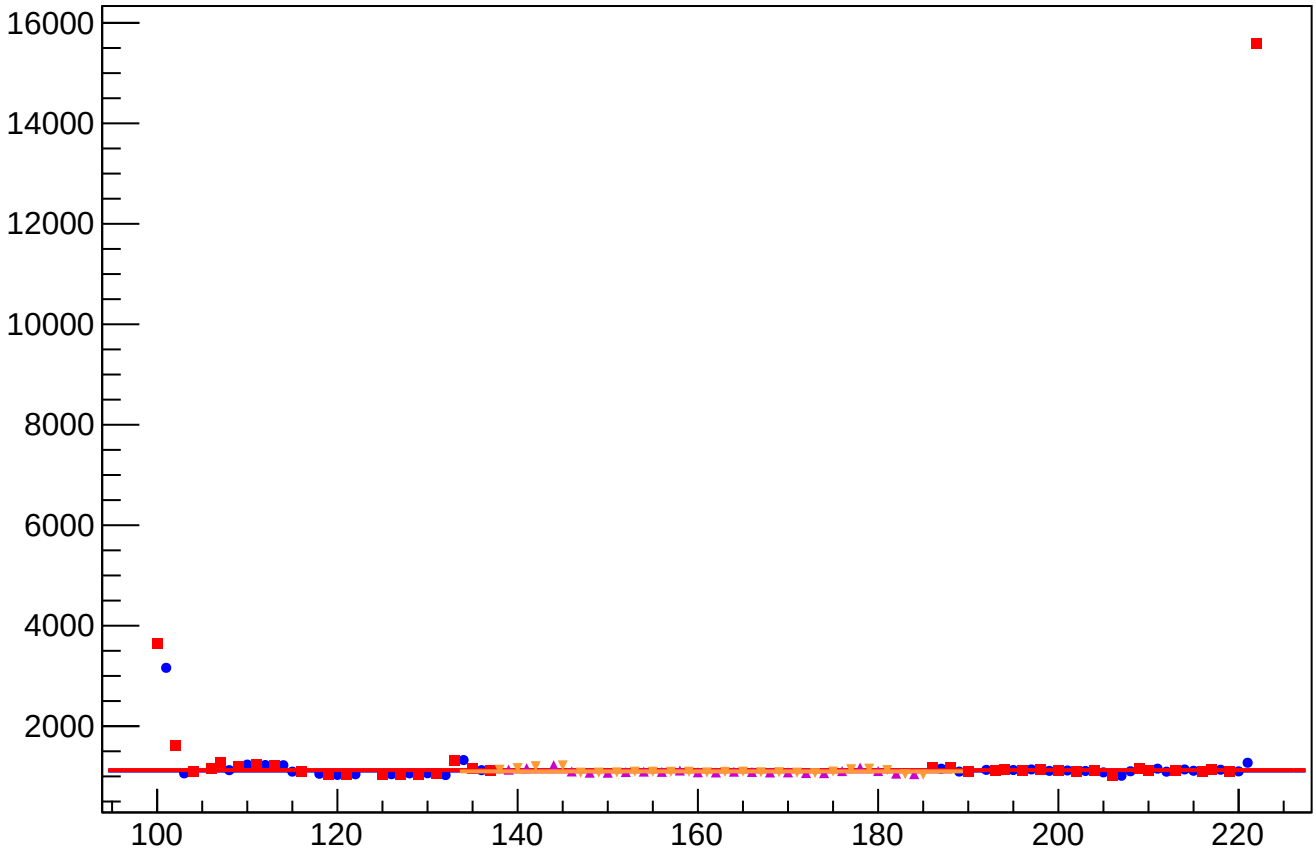
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 156.712+/-172.999 χ^2/NDF: 54.3/69

In: 153.469+/-176.385 χ^2/NDF:60.8/56

Out: 168.022+/-177.504 χ^2/NDF:58.4/59

All: 160.699+/-125.117 χ^2/NDF: 119.3/116


eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected
16000
14000
12000
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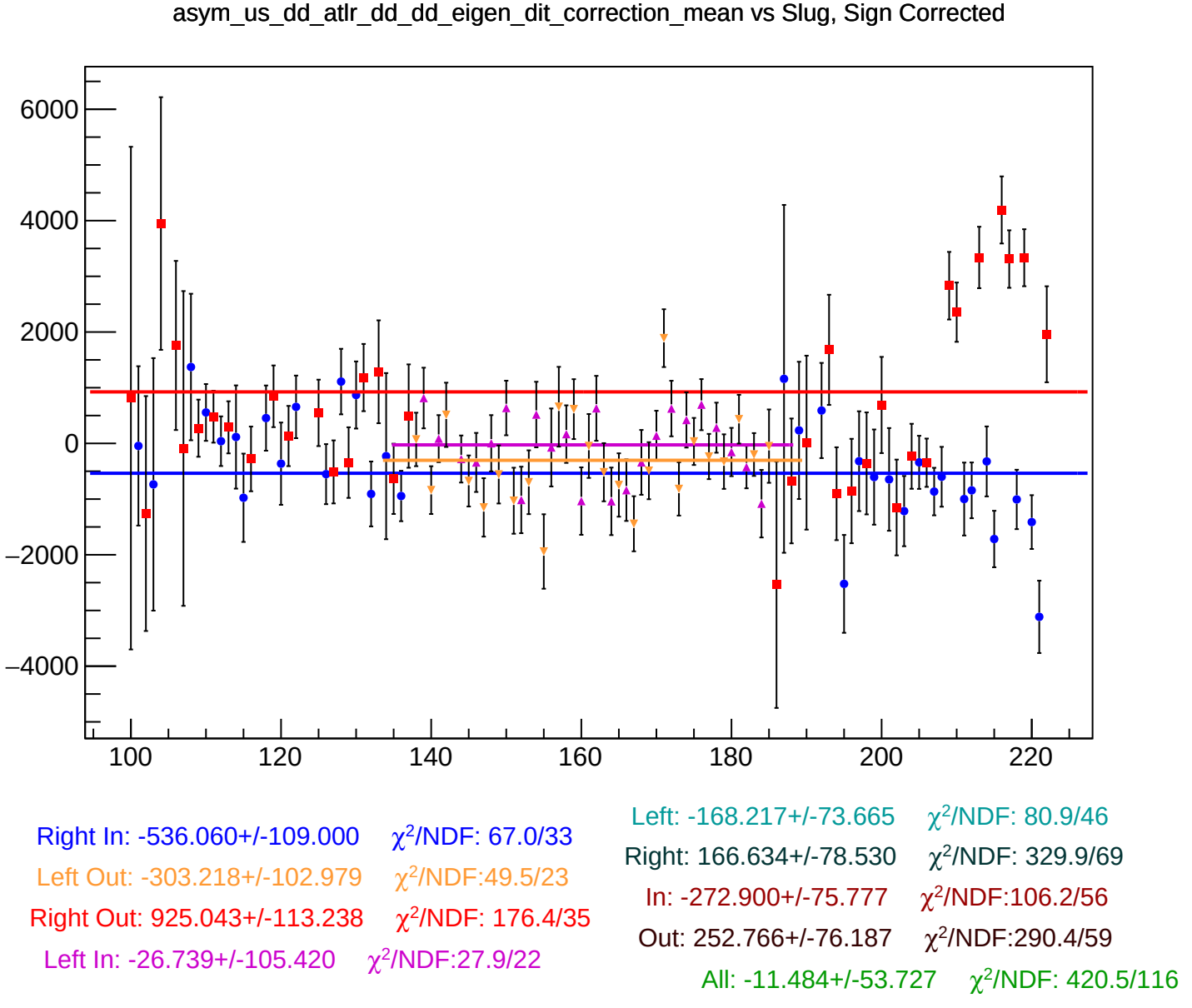
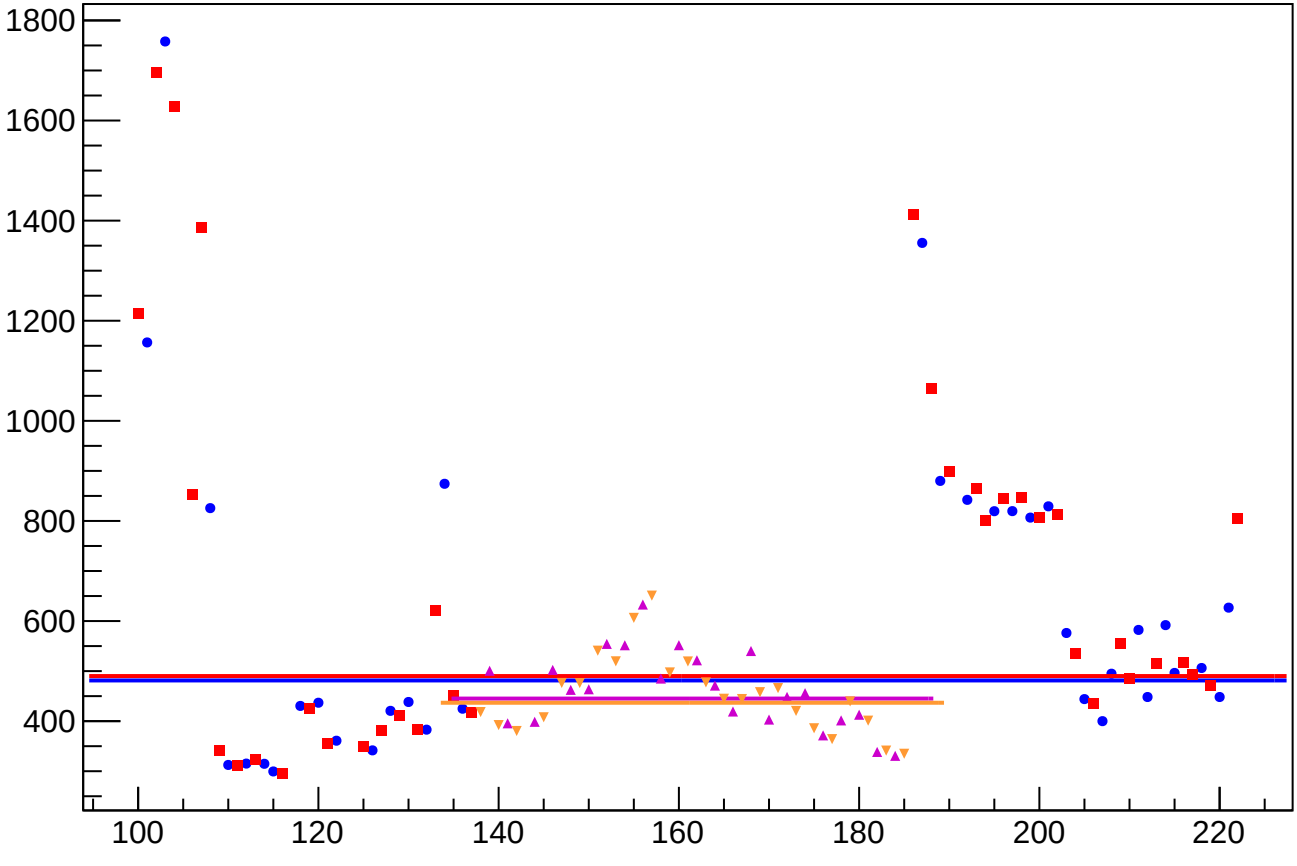
Right In: 1115.117+/-0.172 χ²/NDF: 655681.0/33
Left Out: 1100.258+/-0.181 χ²/NDF:48774.3/23
Right Out: 1125.950+/-0.174 χ²/NDF: 1766522.3/35
Left In: 1099.342+/-0.182 χ²/NDF:44785.7/22
Left: 1099.802+/-0.128 χ²/NDF: 93572.8/46
Right: 1120.443+/-0.122 χ²/NDF: 2424163.2/69
In: 1107.679+/-0.125 χ²/NDF:704453.3/56
Out: 1113.555+/-0.126 χ²/NDF:1825758.4/59
All: 1110.598+/-0.088 χ²/NDF: 2531314.6/11


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: 925.043+/-113.238 χ²/NDF: 176.4/35
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 166.634+/-78.530 χ²/NDF: 329.9/69
In: -272.900+/-75.777 χ²/NDF:106.2/56
Out: 252.766+/-76.187 χ²/NDF:290.4/59
All: -11.484+/-53.727 χ²/NDF: 420.5/116

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: 490.108+/-0.080 χ^2/NDF: 6014467.8/35

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

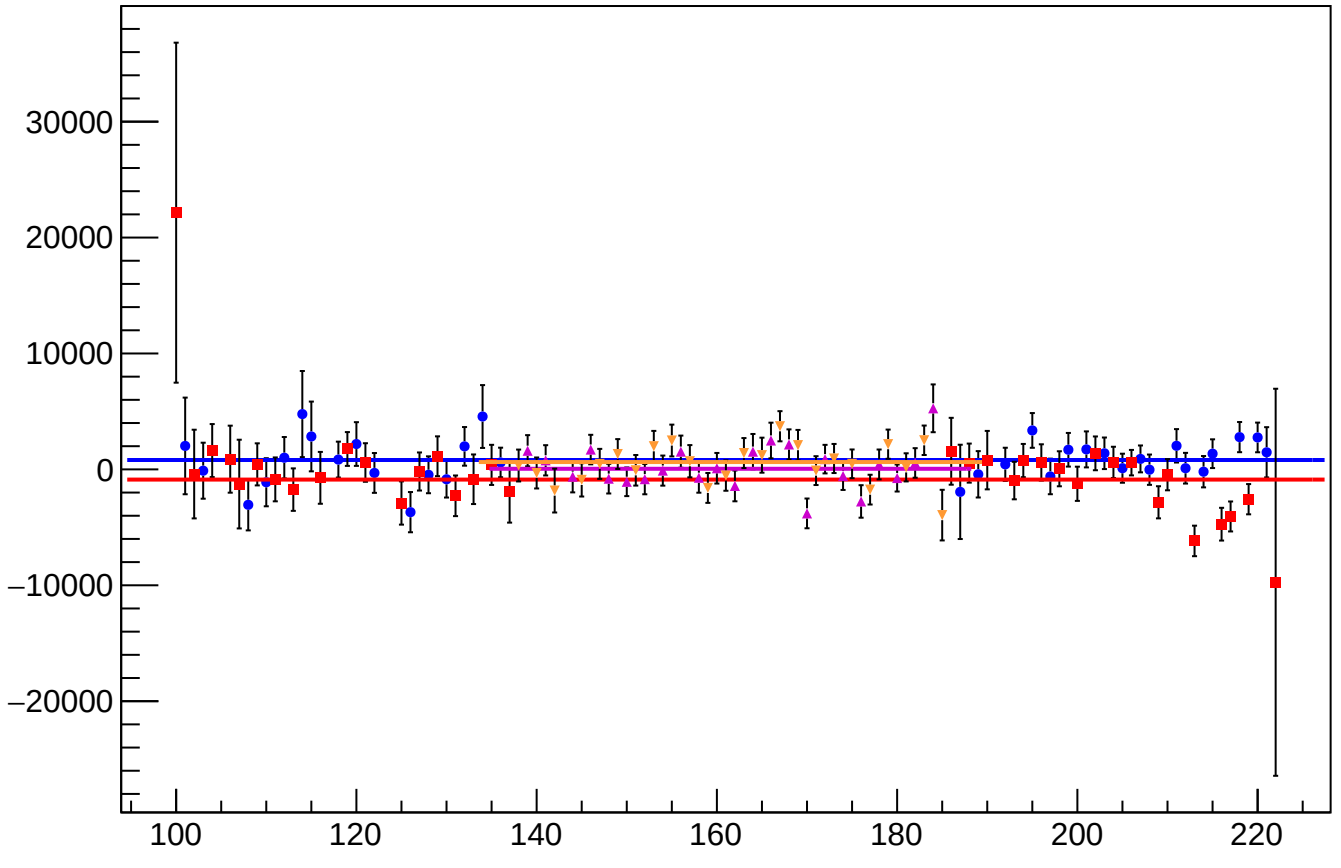
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 485.559+/-0.056 χ^2/NDF: 10654162.0/69

In: 462.622+/-0.054 χ^2/NDF:5622252.9/56

Out: 460.923+/-0.054 χ^2/NDF:7112420.5/59

All: 461.777+/-0.038 χ^2/NDF: 12735173.3/11



Right In: 809.456+/-275.594 χ^2/NDF: 30.4/33

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -879.837+/-284.303 χ^2/NDF: 56.5/35

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

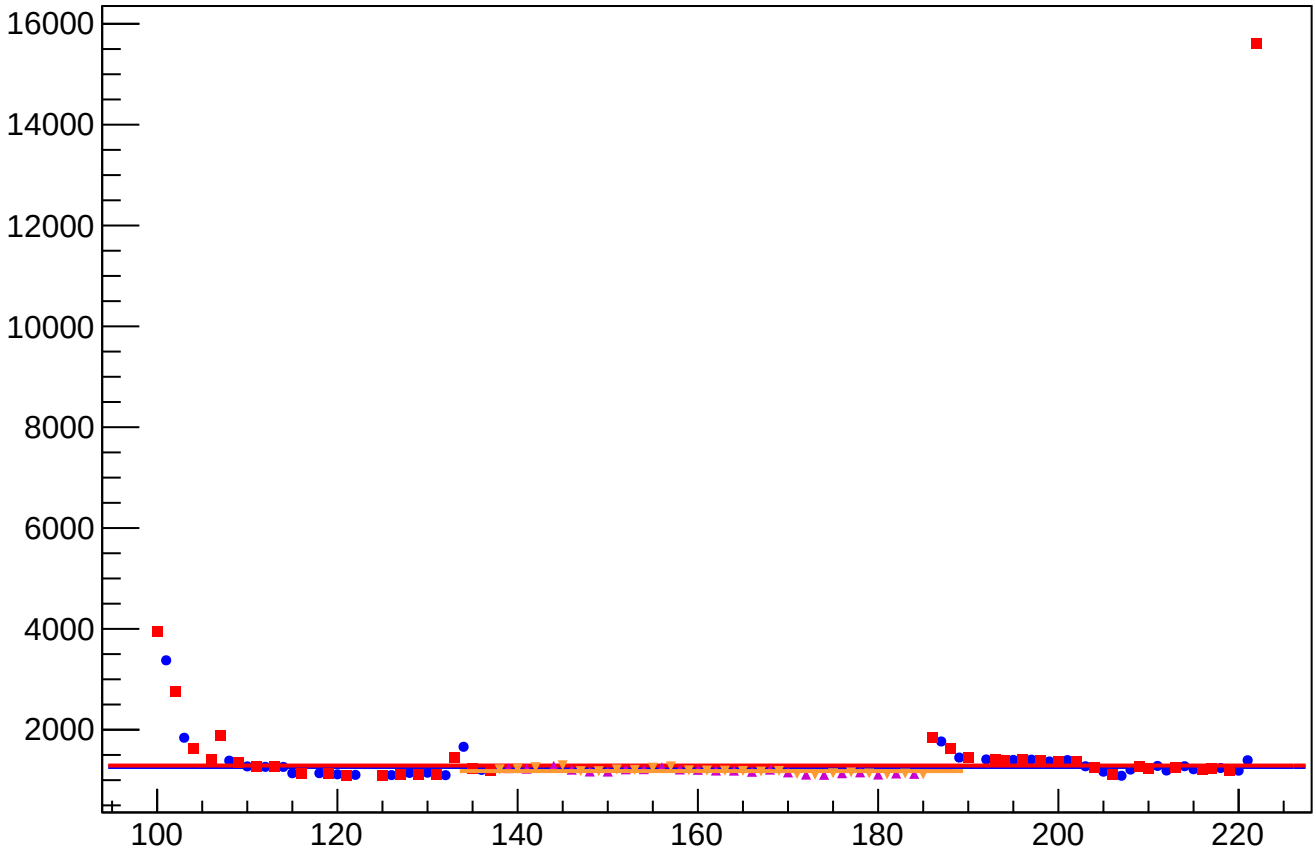
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: -8.920+/-197.882 χ^2/NDF: 105.1/69

In: 430.996+/-195.093 χ^2/NDF:69.2/56

Out: -95.740+/-197.312 χ^2/NDF:101.3/59

All: 170.606+/-138.729 χ^2/NDF: 174.1/116



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: 1289.959+/-0.201 χ^2/NDF: 2400287.1/35

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

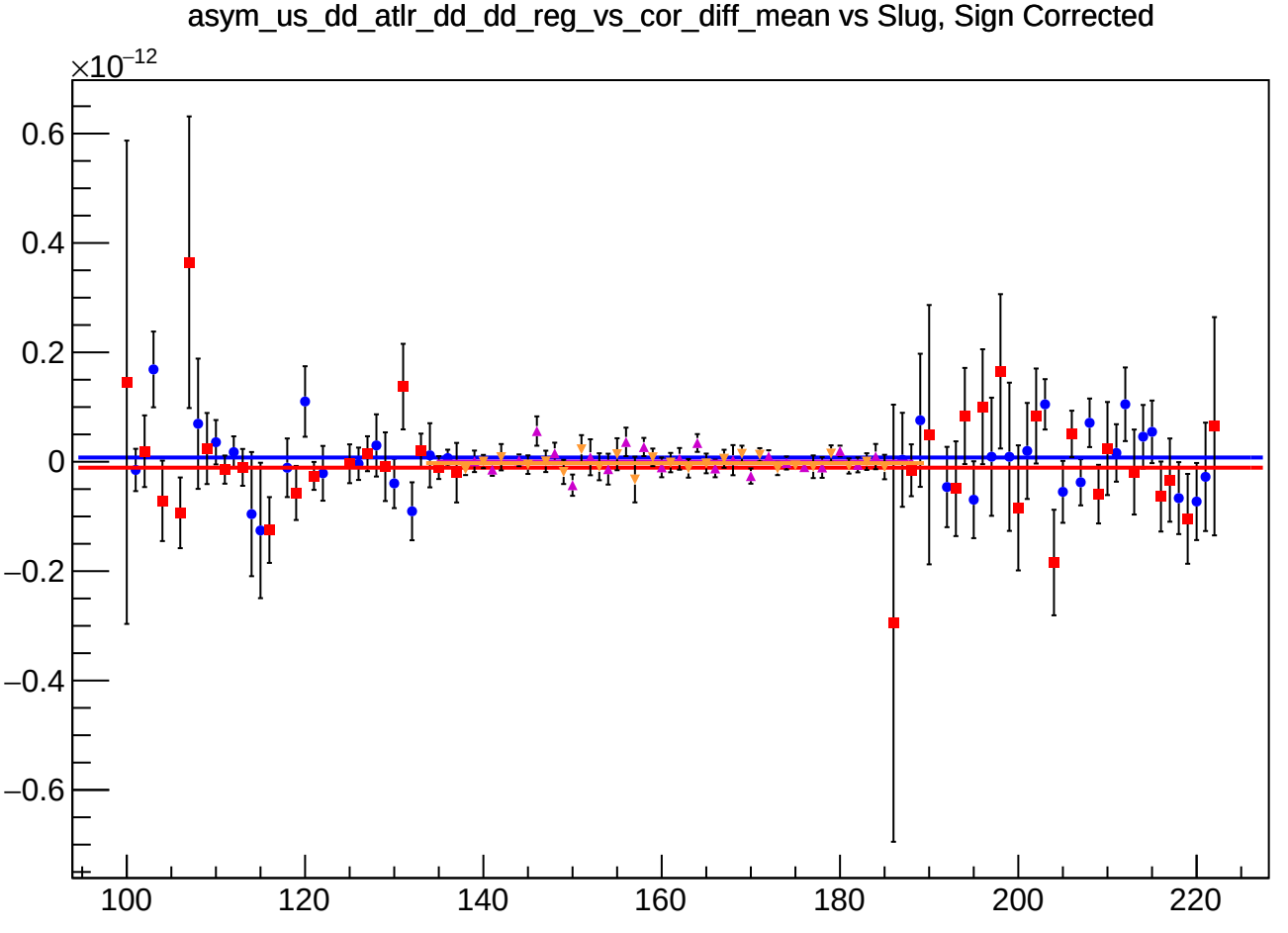
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1275.122+/-0.140 χ^2/NDF: 3412863.5/69

In: 1221.643+/-0.138 χ^2/NDF:1144872.4/56

Out: 1232.815+/-0.140 χ^2/NDF:2620840.8/59

All: 1227.166+/-0.098 χ^2/NDF: 3768955.3/11



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/35

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

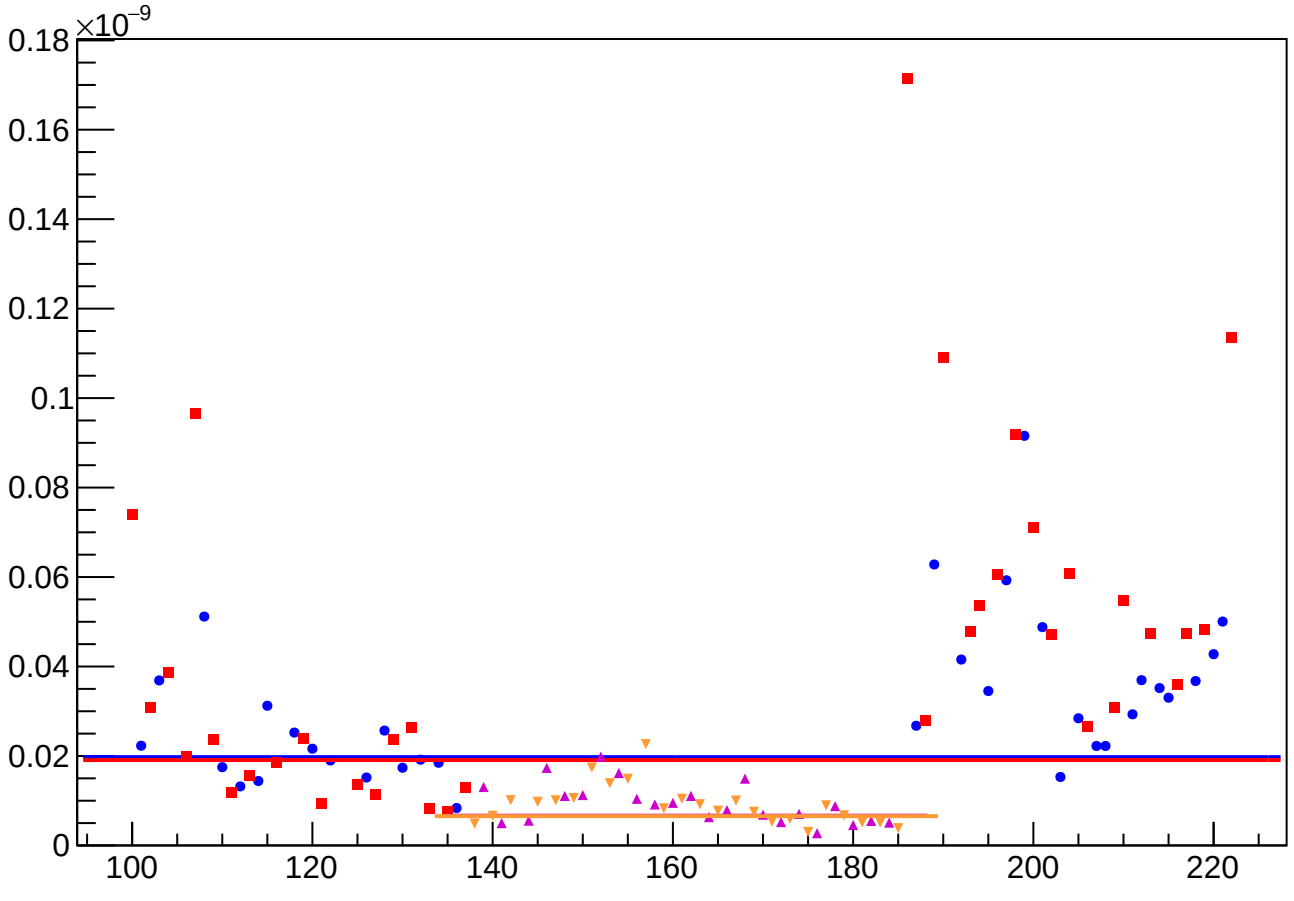
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

Right: -0.000+/-0.000 χ^2/NDF: 65.7/69

In: 0.000+/-0.000 χ^2/NDF:66.6/56

Out: -0.000+/-0.000 χ^2/NDF:41.2/59

All: -0.000+/-0.000 χ^2/NDF: 109.1/116



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: 6904015.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

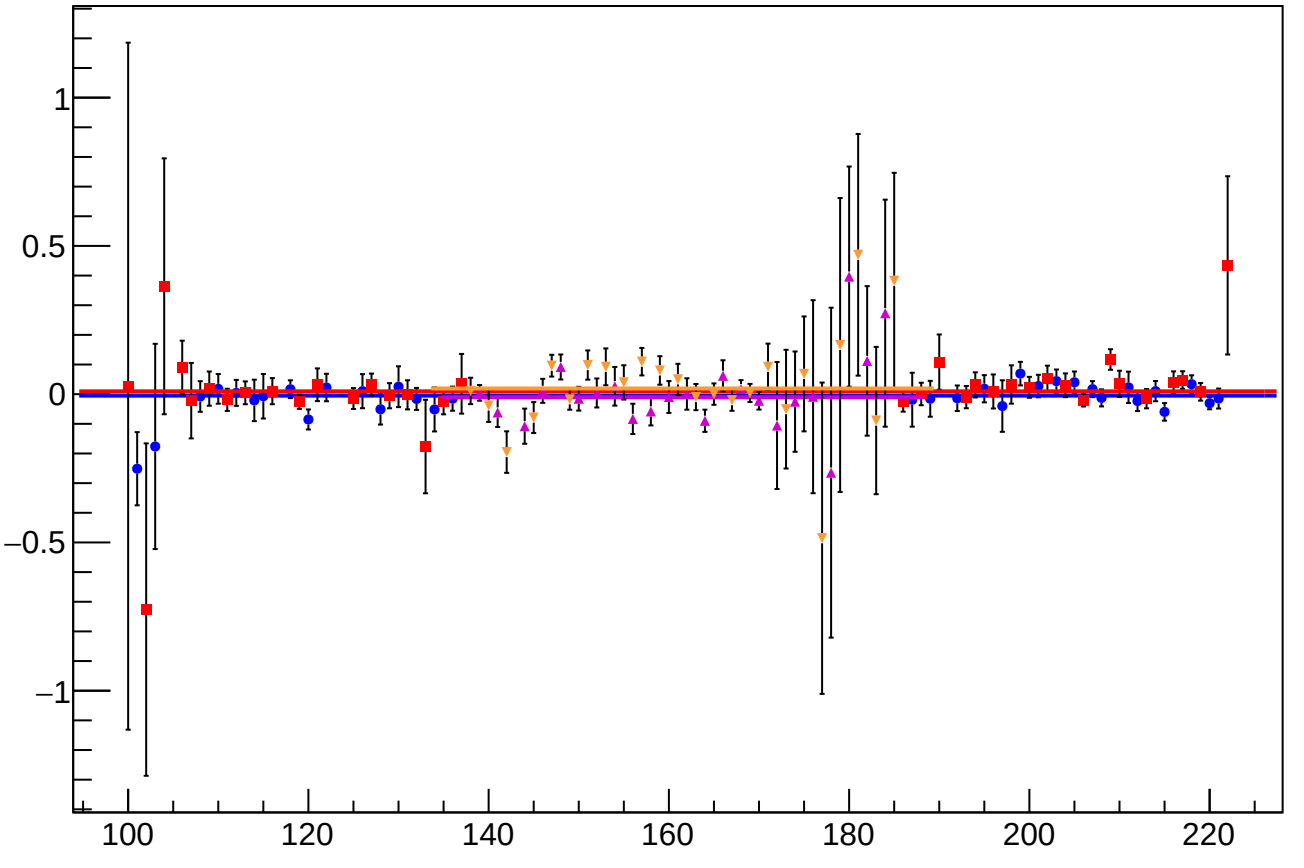
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 11149723.3/69

In: 0.000+/-0.000 χ^2/NDF:11331291.7/56

Out: 0.000+/-0.000 χ^2/NDF:13235359.8/59

All: 0.000+/-0.000 χ^2/NDF: 24576616.5/116



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.010+/-0.007 χ^2/NDF: 30.5/35

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

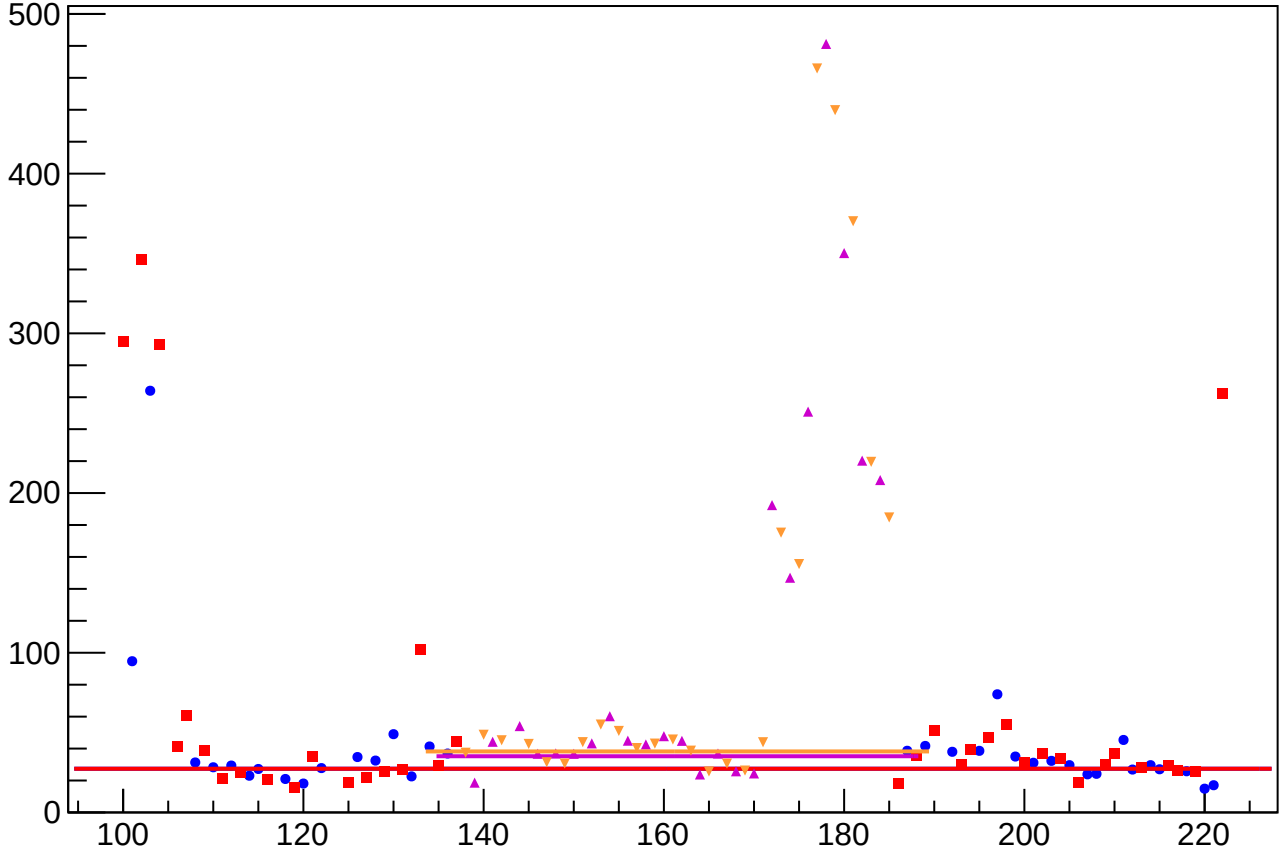
Right: 0.002+/-0.005 χ^2/NDF: 61.4/69

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.0/59

All: 0.003+/-0.004 χ^2/NDF: 124.9/116

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.369+/-0.005 χ^2/NDF: 6057714.0/35

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

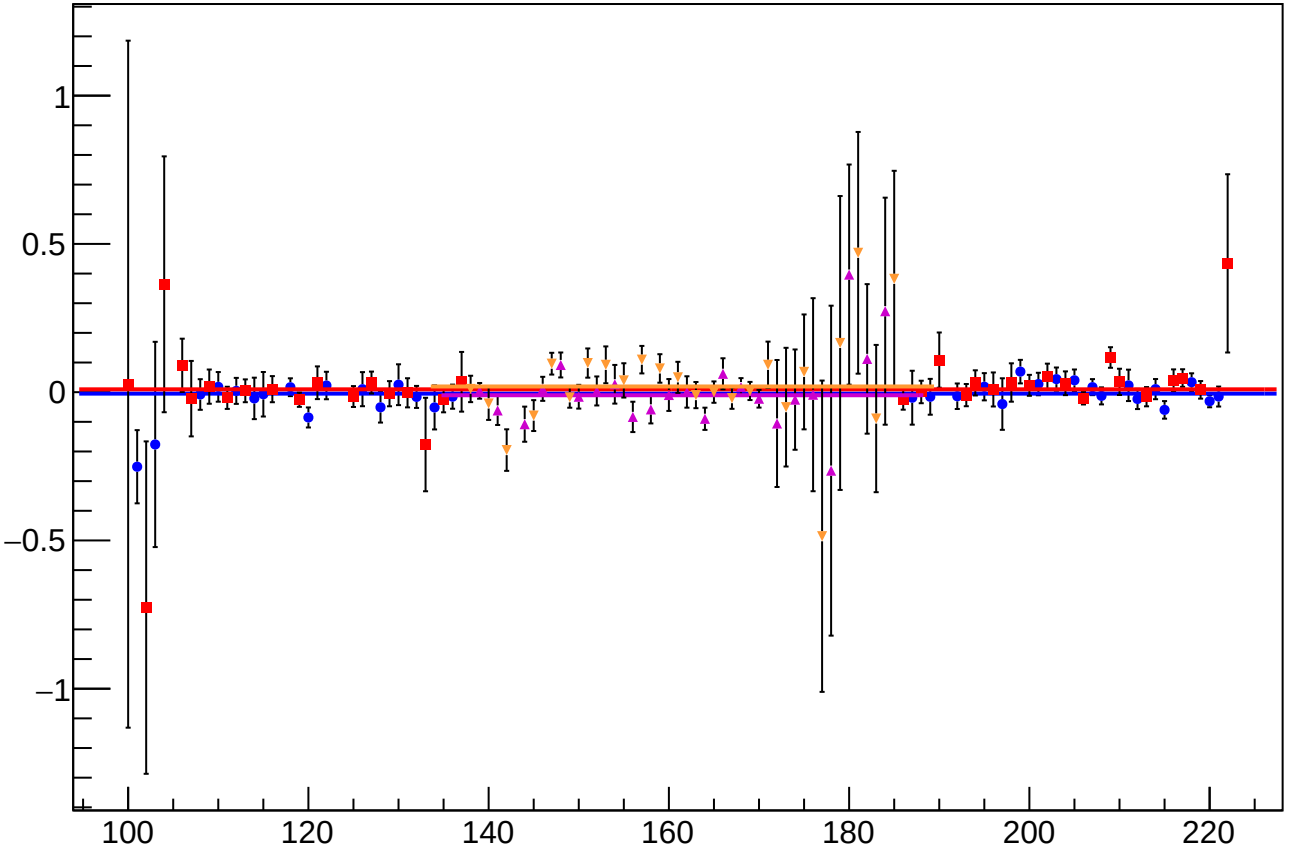
Right: 27.373+/-0.003 χ^2/NDF: 10644026.5/69

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.545+/-0.004 χ^2/NDF:15765874.2/59

All: 30.167+/-0.003 χ^2/NDF: 30559624.5/116

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.010+/-0.007 χ^2/NDF: 30.5/35

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

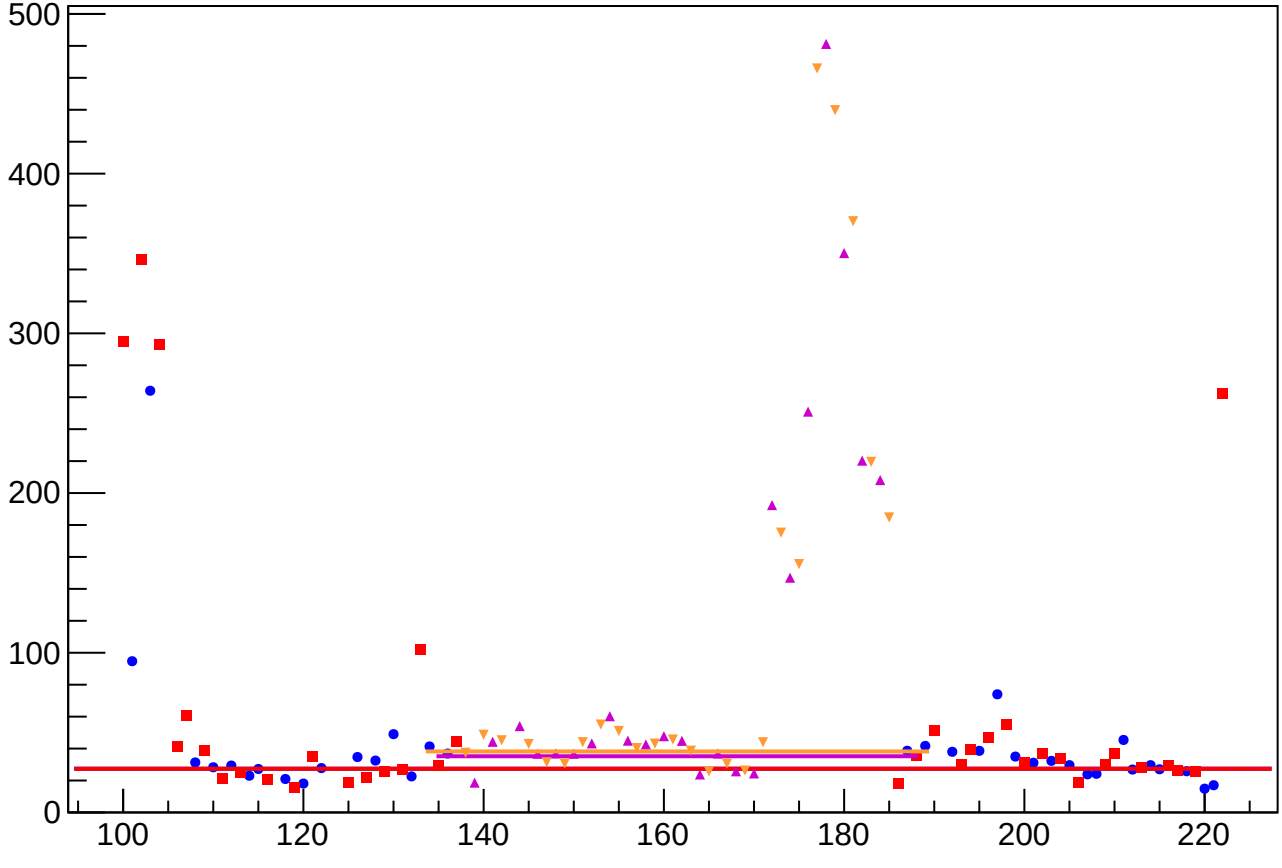
Right: 0.002+/-0.005 χ^2/NDF: 61.4/69

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.0/59

All: 0.003+/-0.004 χ^2/NDF: 124.9/116

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.369+/-0.005 χ^2/NDF: 6057714.0/35

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

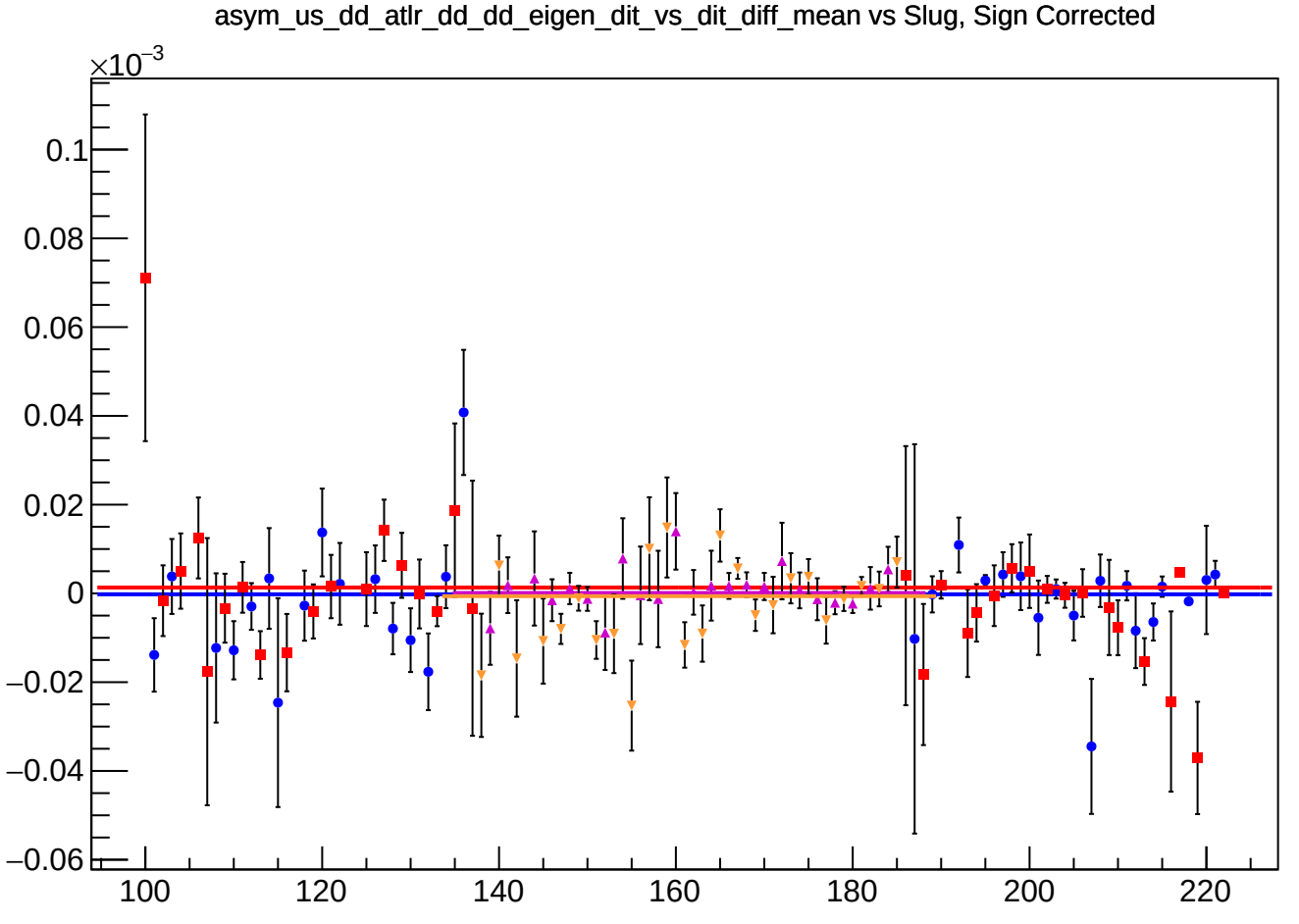
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 27.373+/-0.003 χ^2/NDF: 10644026.5/69

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.545+/-0.004 χ^2/NDF:15765874.2/59

All: 30.167+/-0.003 χ^2/NDF: 30559624.5/116



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: 74.4/35

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

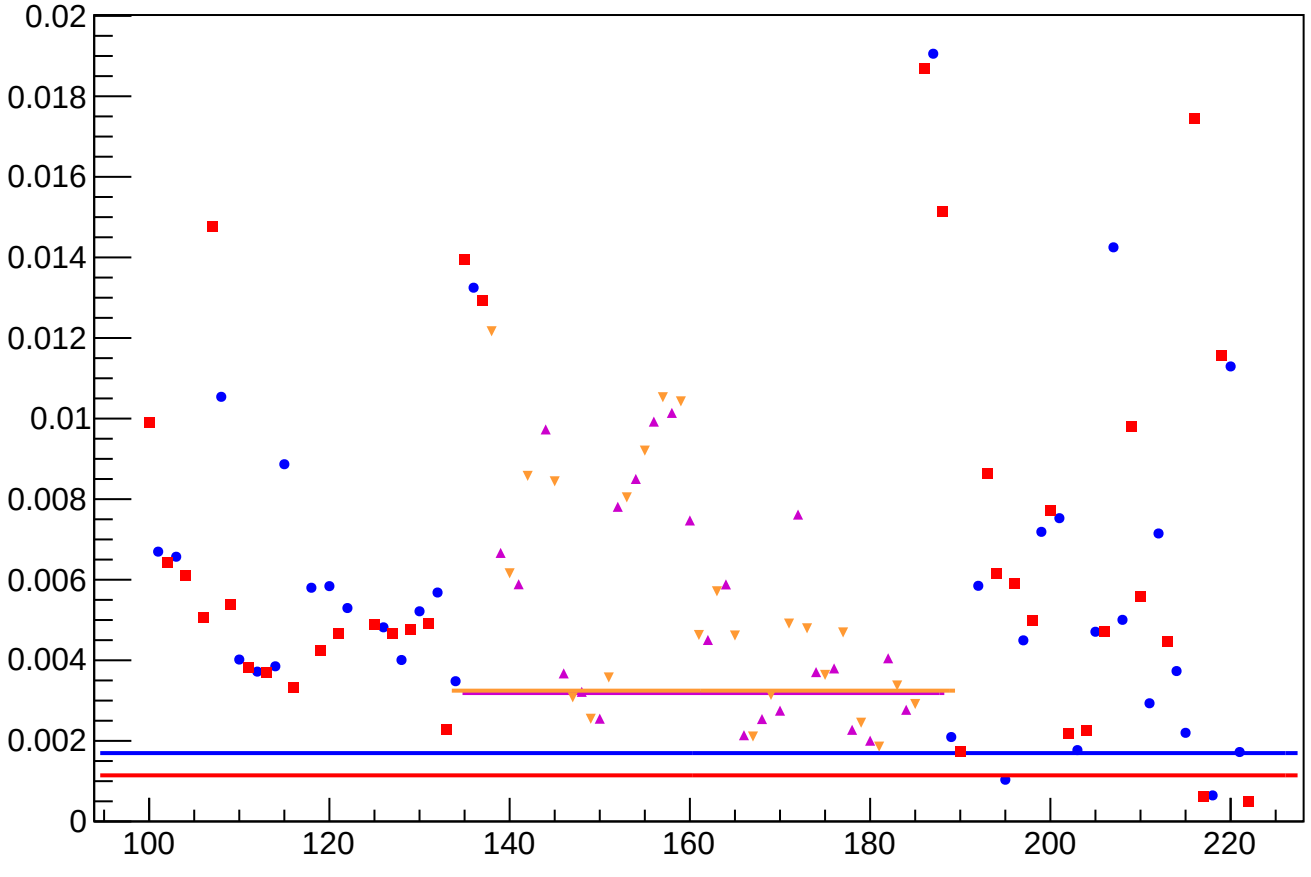
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 134.4/69

In: -0.000+/-0.000 χ^2/NDF:66.4/56

Out: 0.000+/-0.000 χ^2/NDF:129.6/59

All: 0.000+/-0.000 χ^2/NDF: 198.9/116



Right In: 0.002+/-0.000 χ^2/NDF: 20158832.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.001+/-0.000 χ^2/NDF: 26576373.2/35

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

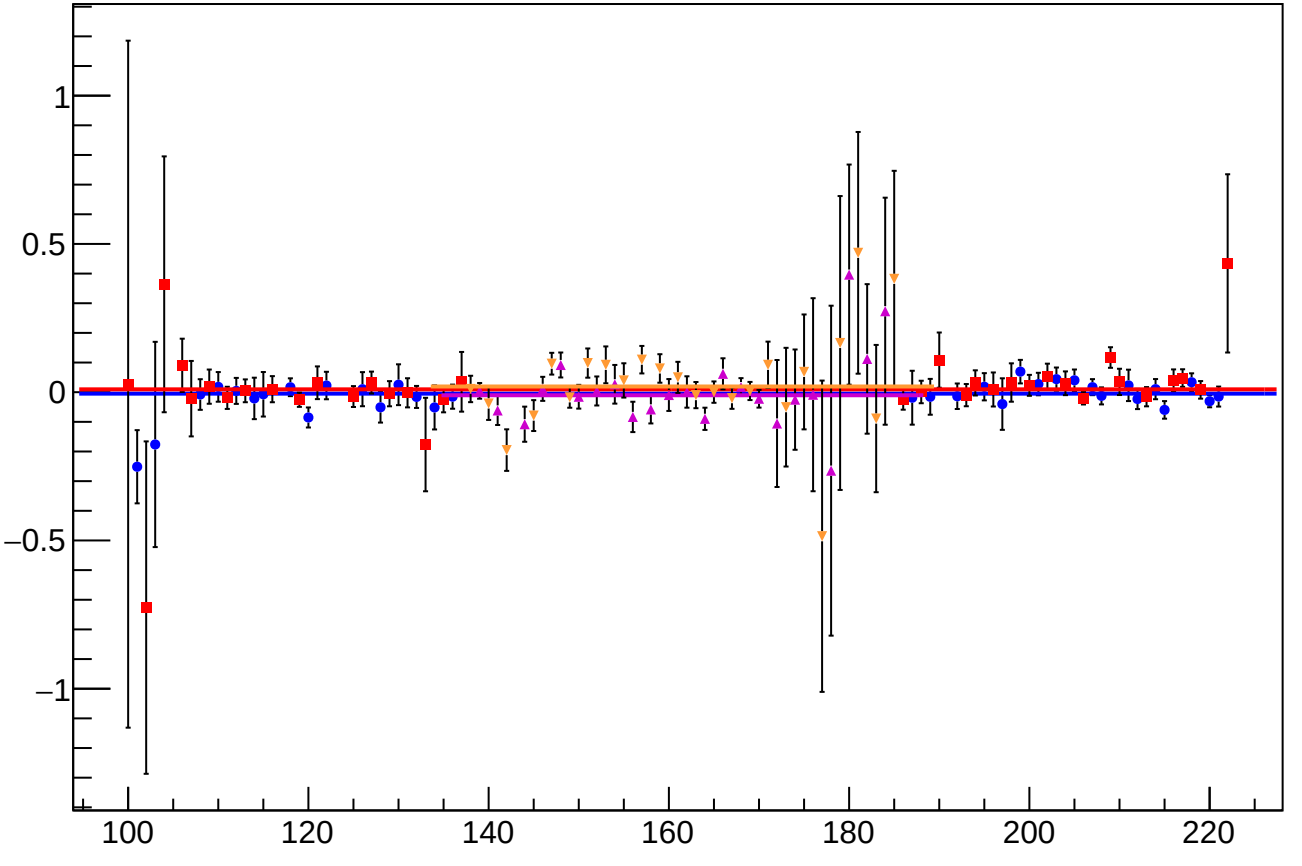
Right: 0.001+/-0.000 χ^2/NDF: 47951418.1/69

In: 0.002+/-0.000 χ^2/NDF:31714000.9/56

Out: 0.002+/-0.000 χ^2/NDF:43650728.1/59

All: 0.002+/-0.000 χ^2/NDF: 76986309.2/116

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.010+/-0.007 χ^2/NDF: 30.5/35

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

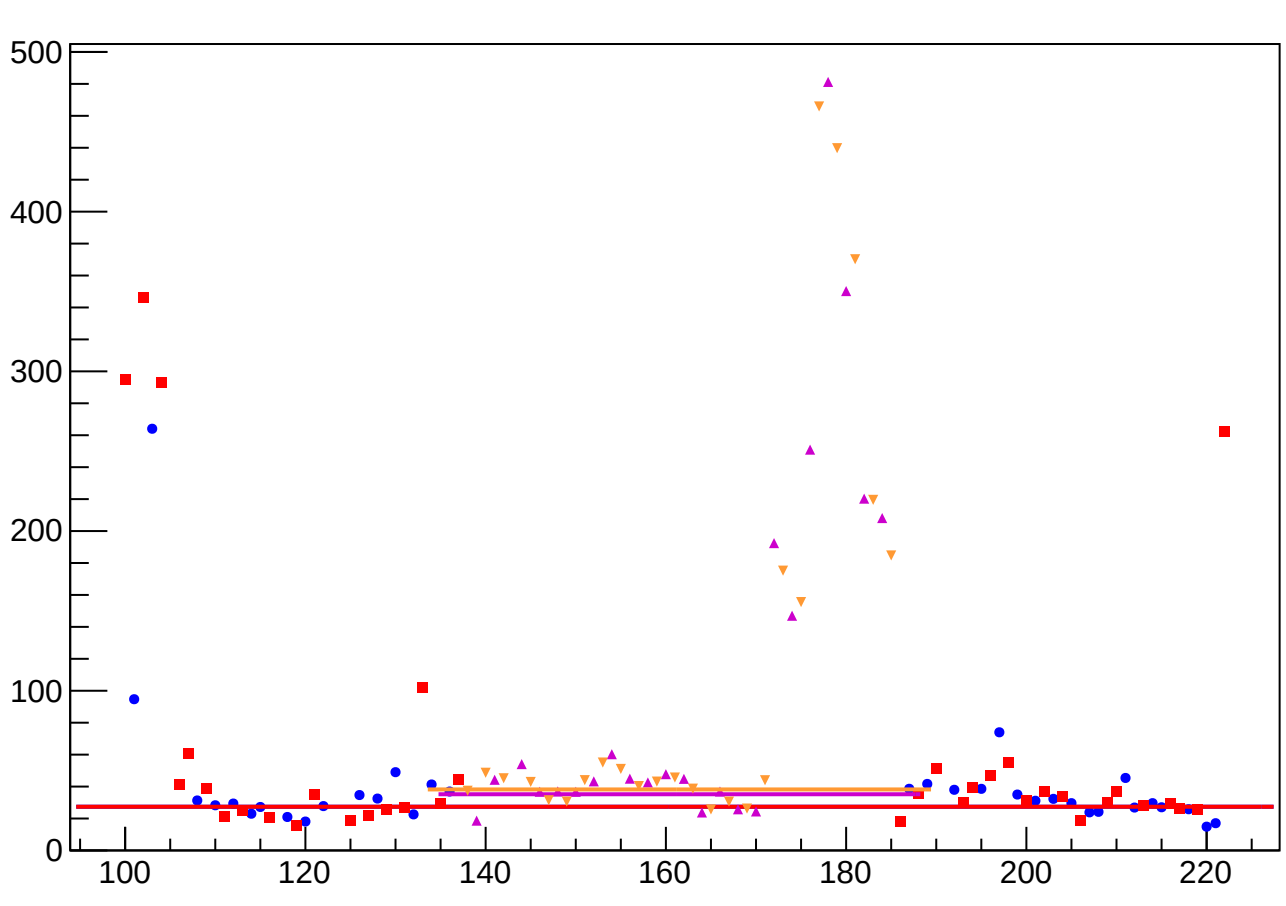
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 61.4/69

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.0/59

All: 0.003+/-0.004 χ^2/NDF: 124.9/116



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: 27.368+/-0.005 χ^2/NDF: 6057957.7/35

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

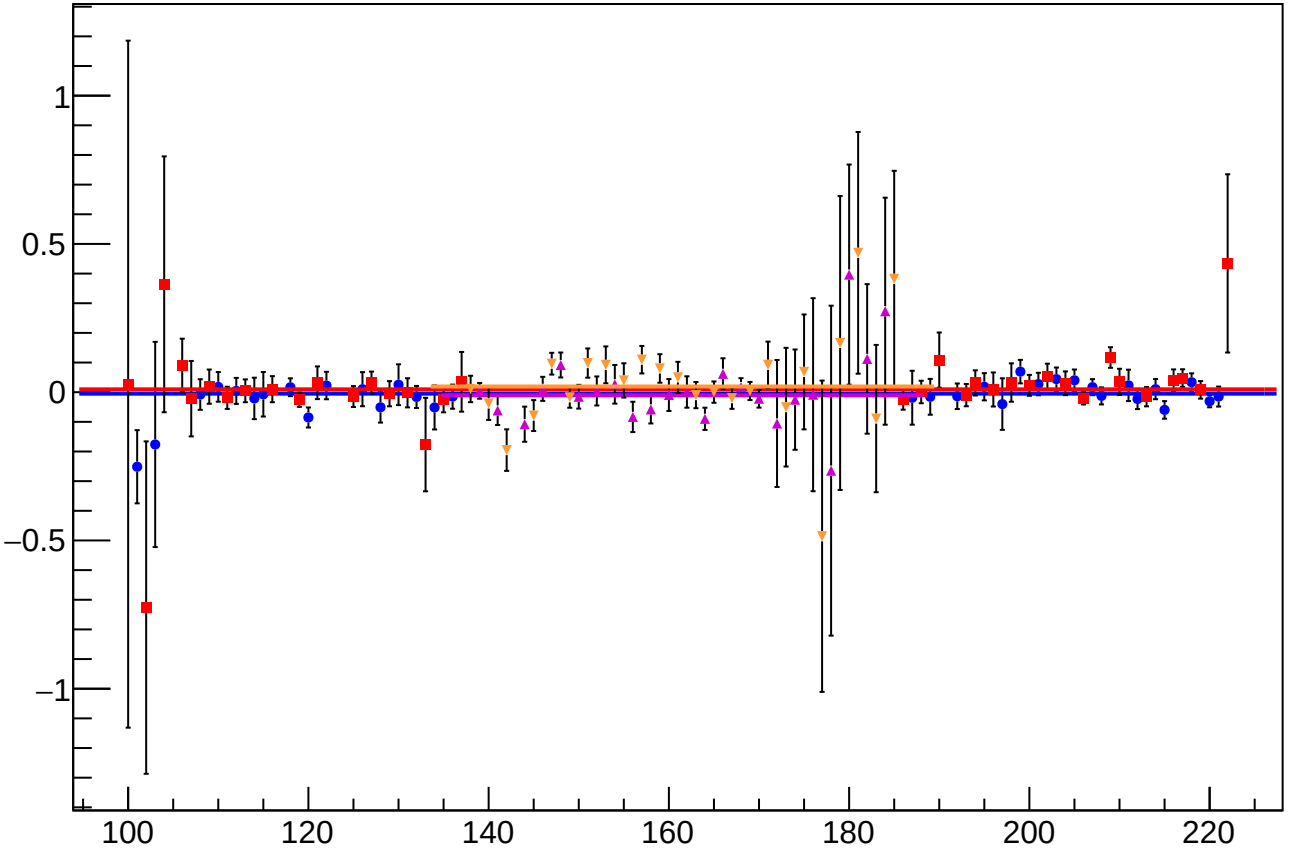
Right: 27.373+/-0.003 χ^2/NDF: 10642762.3/69

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.544+/-0.004 χ^2/NDF:15766573.9/59

All: 30.167+/-0.003 χ^2/NDF: 30558696.4/116

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.010+/-0.007 χ^2/NDF: 30.5/35

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

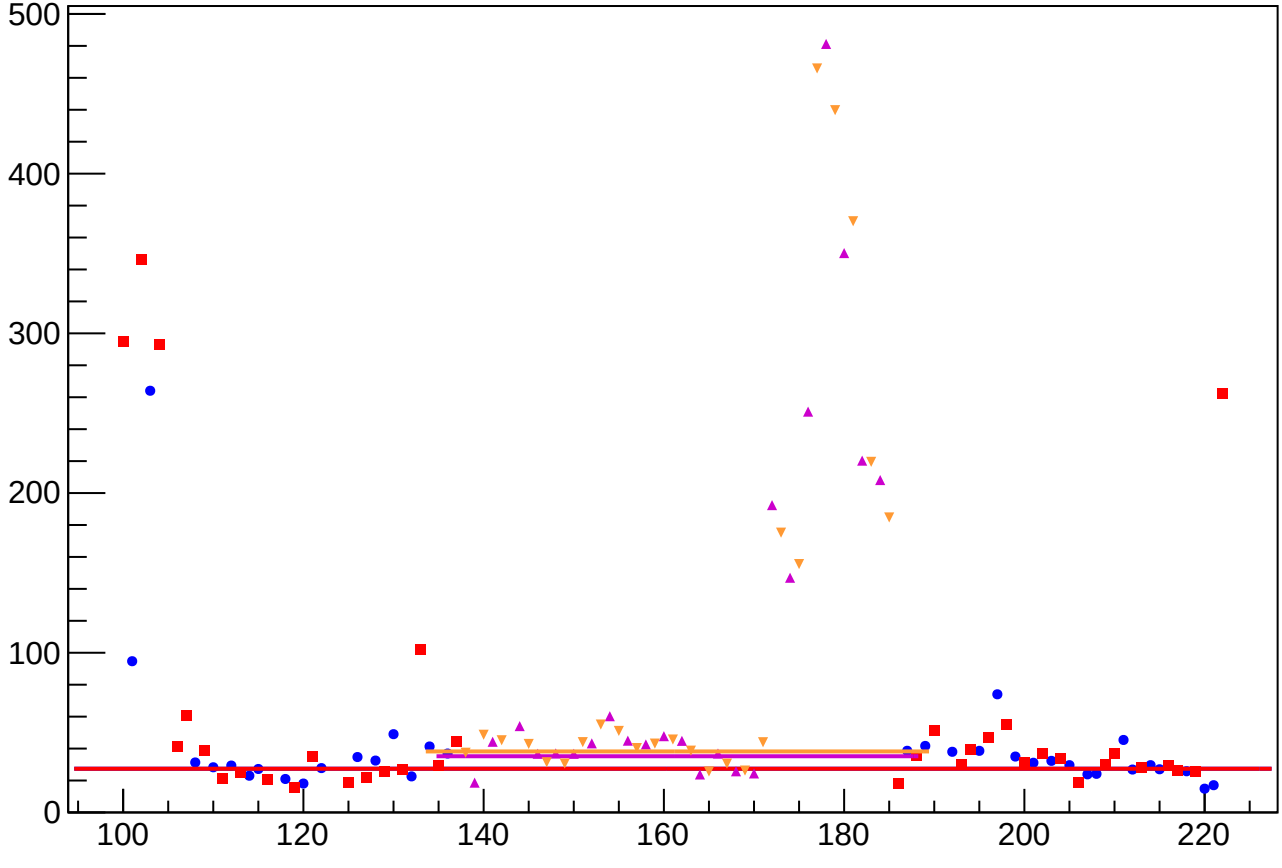
Right: 0.002+/-0.005 χ^2/NDF: 61.4/69

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.0/59

All: 0.003+/-0.004 χ^2/NDF: 124.9/116

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: 27.368+/-0.005 χ^2/NDF: 6057957.7/35

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

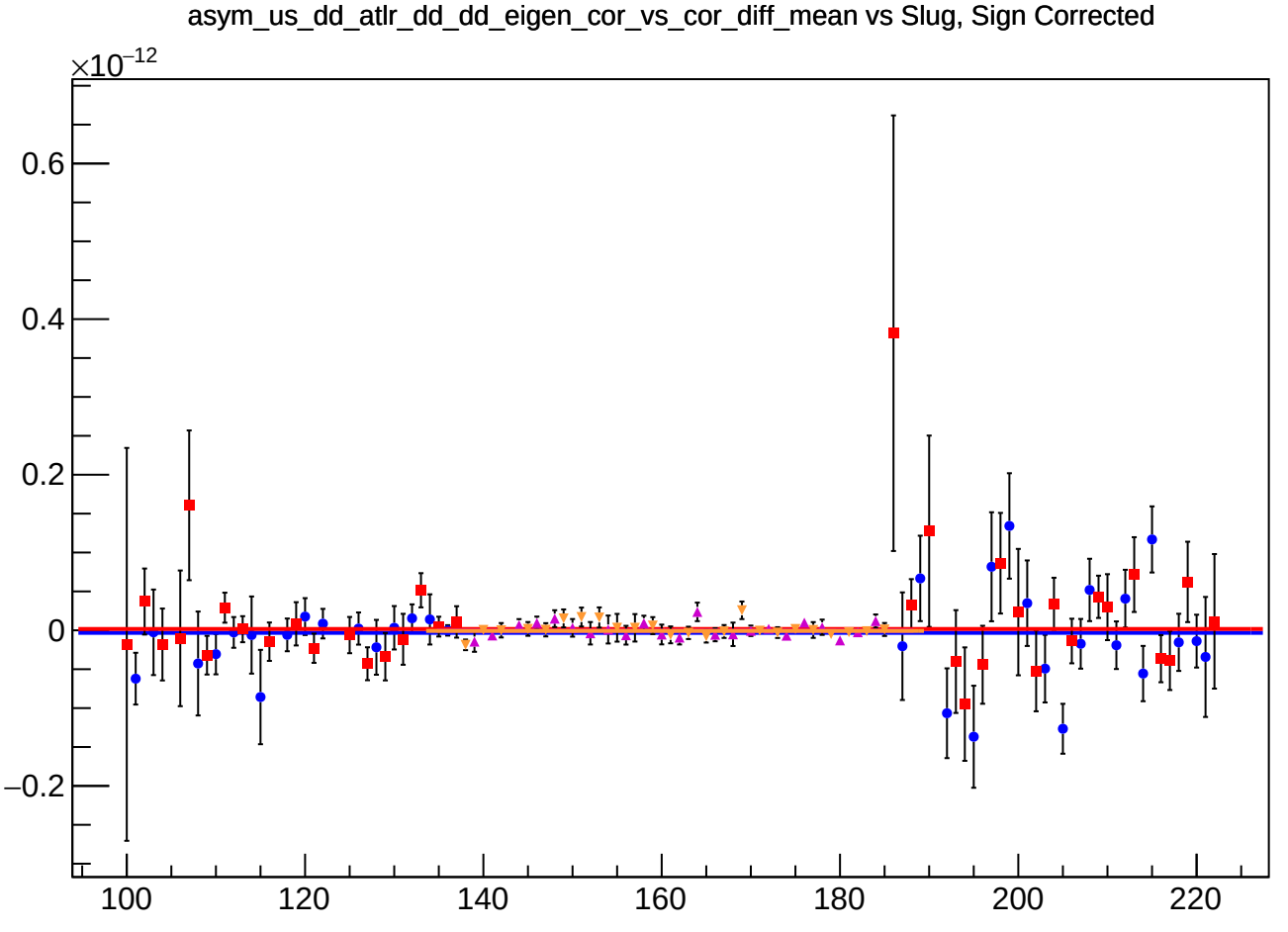
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.373+/-0.003 χ^2/NDF: 10642762.3/69

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.544+/-0.004 χ^2/NDF:15766573.9/59

All: 30.167+/-0.003 χ^2/NDF: 30558696.4/116



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: 41.0/35

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

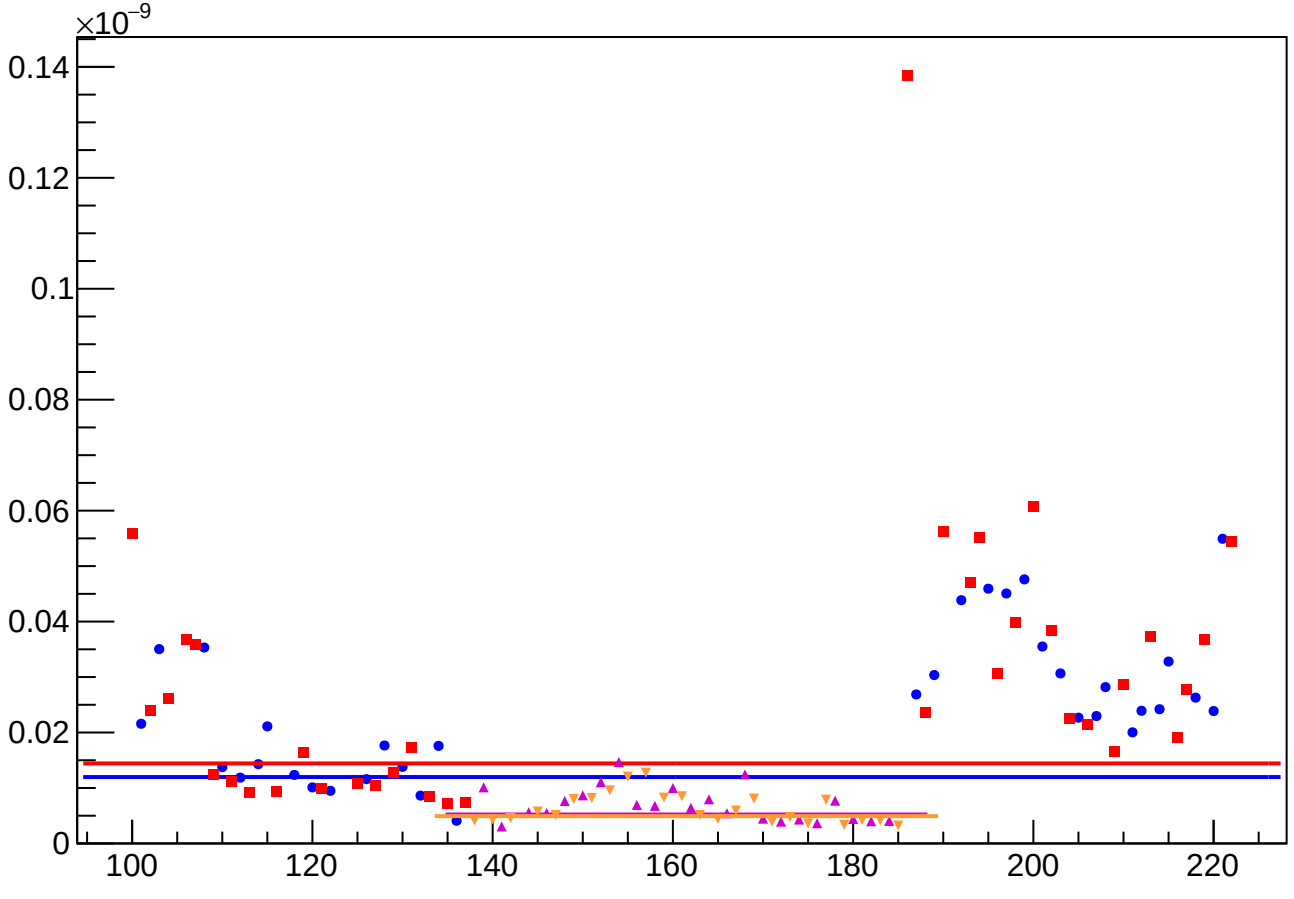
Right: -0.000+/-0.000 χ^2/NDF: 96.5/69

In: -0.000+/-0.000 χ^2/NDF:81.5/56

Out: -0.000+/-0.000 χ^2/NDF:62.4/59

All: -0.000+/-0.000 χ^2/NDF: 143.9/116

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: 7671269.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

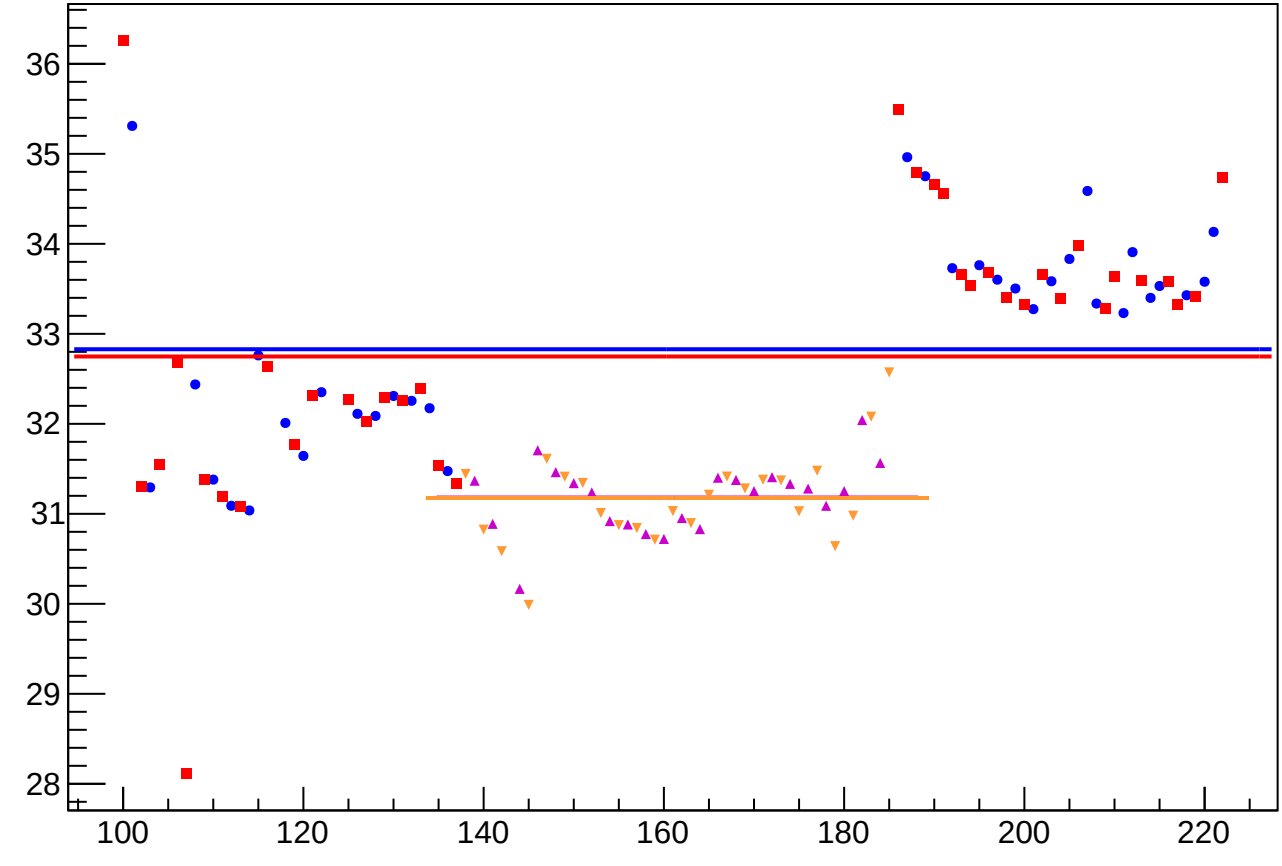
Right: 0.000+/-0.000 χ^2/NDF: 18002850.3/69

In: 0.000+/-0.000 χ^2/NDF:17774074.5/56

Out: 0.000+/-0.000 χ^2/NDF:17022929.8/59

All: 0.000+/-0.000 χ^2/NDF: 34828196.5/116

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: 32.748+/-0.000 χ^2/NDF: 2819650990.6/36

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

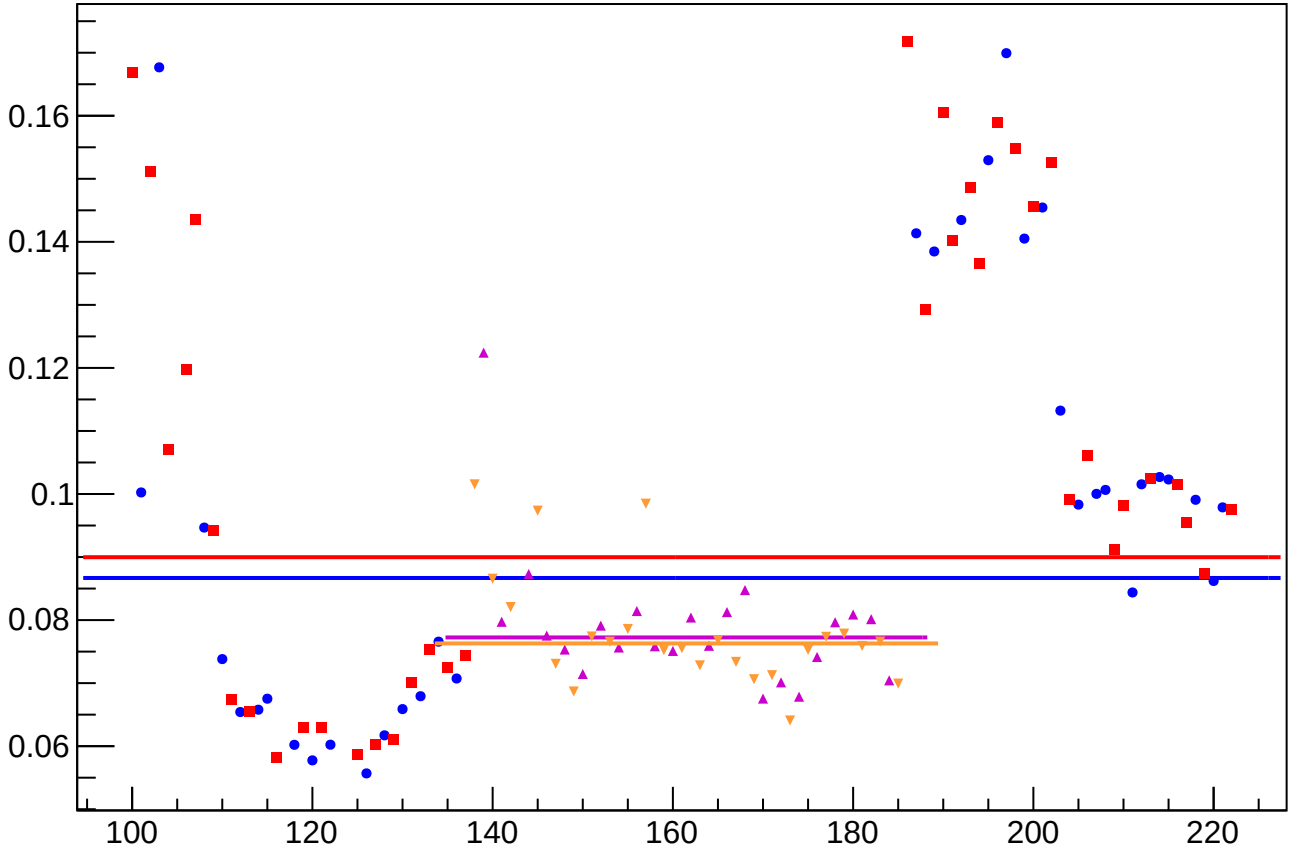
Right: 32.790+/-0.000 χ^2/NDF: 5649915100.6/70

In: 31.969+/-0.000 χ^2/NDF:6797942629.8/56

Out: 31.884+/-0.000 χ^2/NDF:6553060831.1/60

All: 31.927+/-0.000 χ^2/NDF: 13370213179.7

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: 4027272.5/36

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

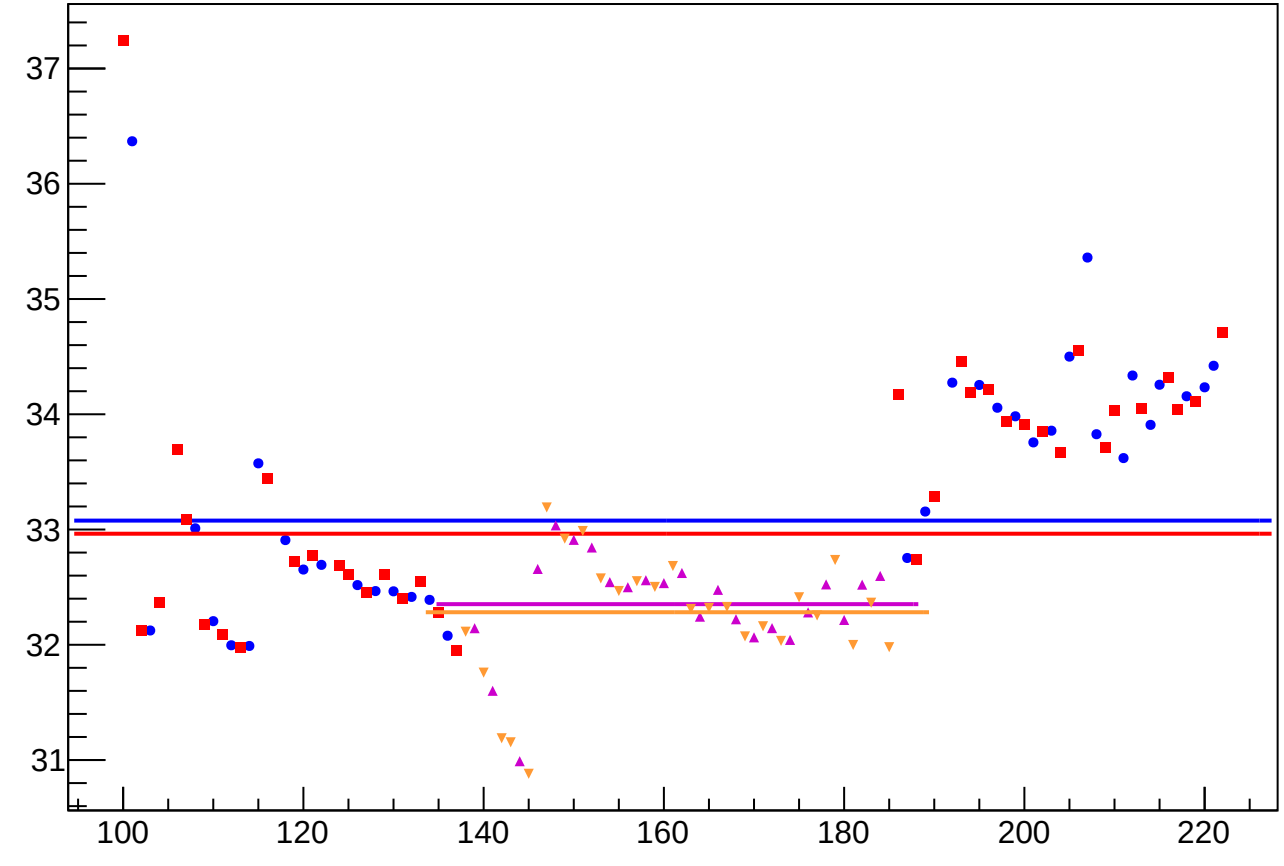
Right: 0.088+/-0.000 χ^2/NDF: 7706482.8/70

In: 0.082+/-0.000 χ^2/NDF:4253752.1/56

Out: 0.082+/-0.000 χ^2/NDF:4869104.0/60

All: 0.082+/-0.000 χ^2/NDF: 9125411.1/117

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: 32.964+/-0.000 χ^2/NDF: 859580457.9/36

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

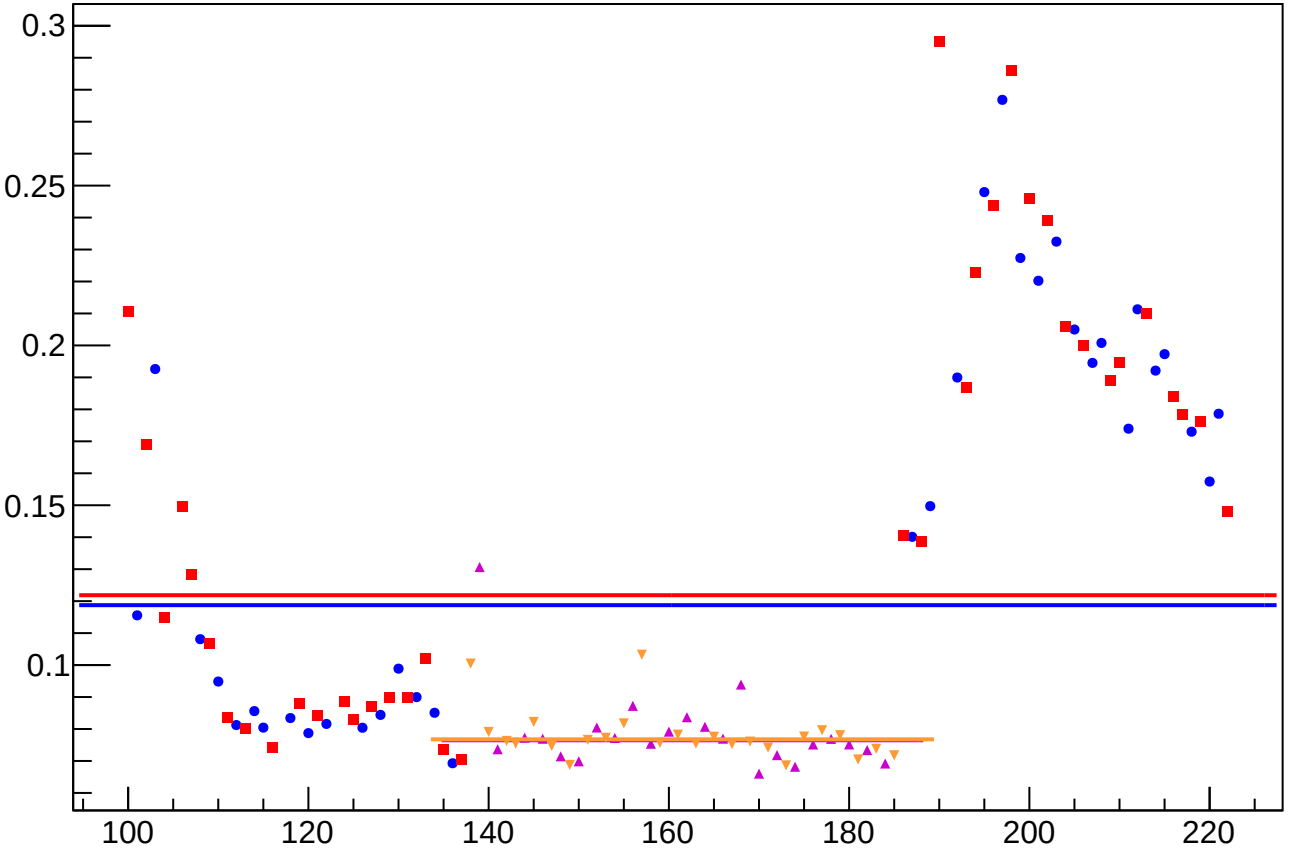
Right: 33.022+/-0.000 χ^2/NDF: 2262462862.6/70

In: 32.568+/-0.000 χ^2/NDF:2434153130.8/56

Out: 32.474+/-0.000 χ^2/NDF:2089960753.4/61

All: 32.520+/-0.000 χ^2/NDF: 4542315138.3/1

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: 0.122+/-0.000 χ^2/NDF: 6638710.0/36

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

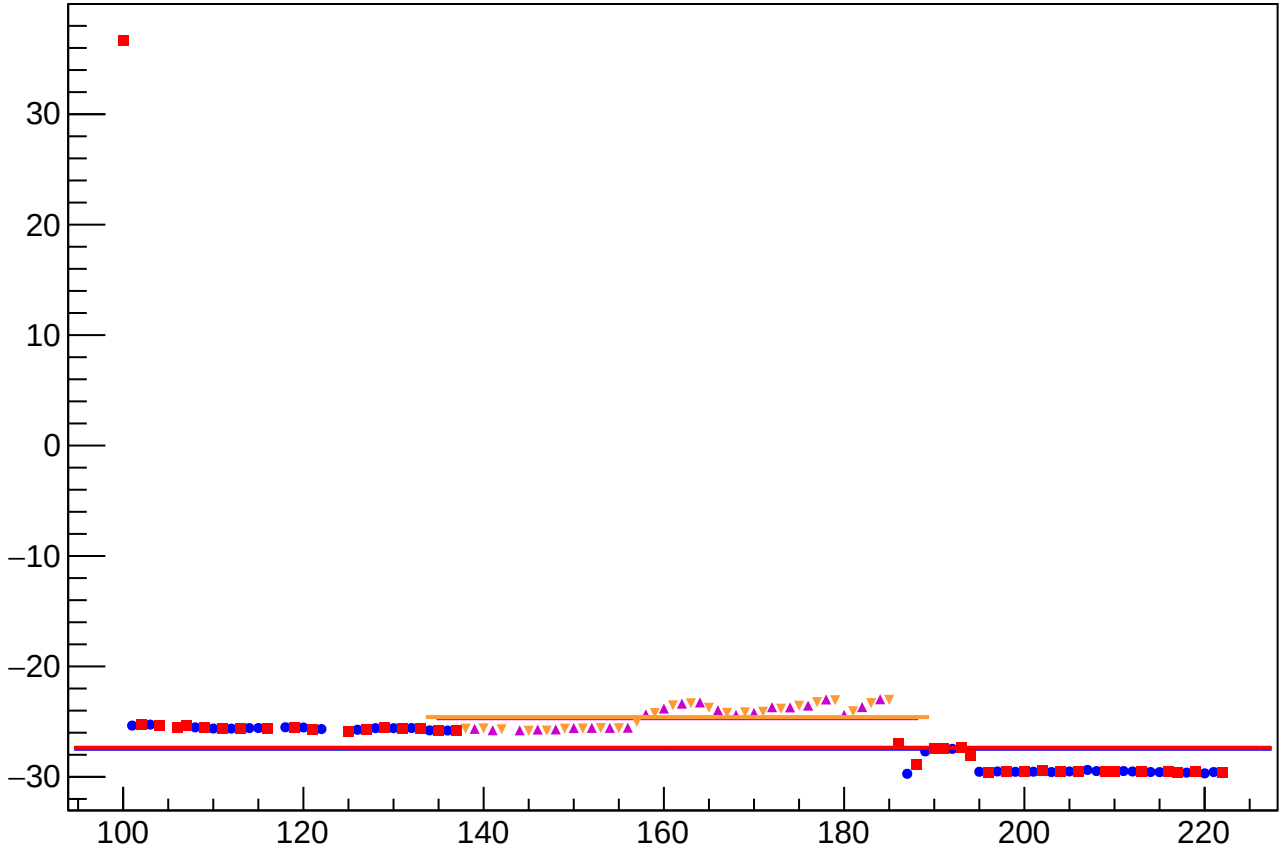
Right: 0.120+/-0.000 χ^2/NDF: 13724178.6/70

In: 0.089+/-0.000 χ^2/NDF:10611008.6/56

Out: 0.089+/-0.000 χ^2/NDF:10318885.7/61

All: 0.089+/-0.000 χ^2/NDF: 20930640.9/118

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: -27.362+/-0.000 χ^2/NDF: 38292482071.2/36

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

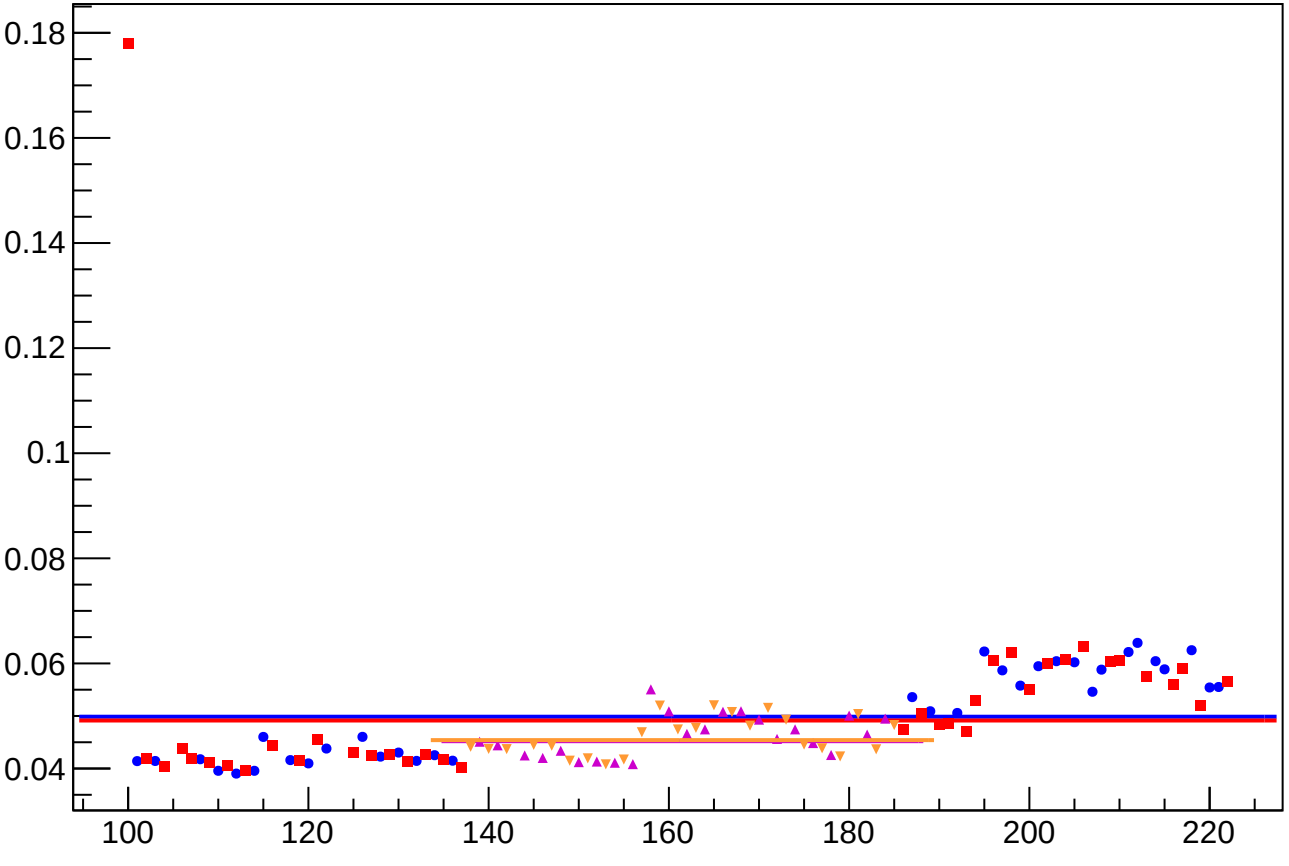
Right: -27.407+/-0.000 χ^2/NDF: 68853330950.0/70

In: -26.041+/-0.000 χ^2/NDF:71928148043.3/56

Out: -25.973+/-0.000 χ^2/NDF:81038549737.2/60

All: -26.007+/-0.000 χ^2/NDF: 153007582790

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: 1150534.3/36

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

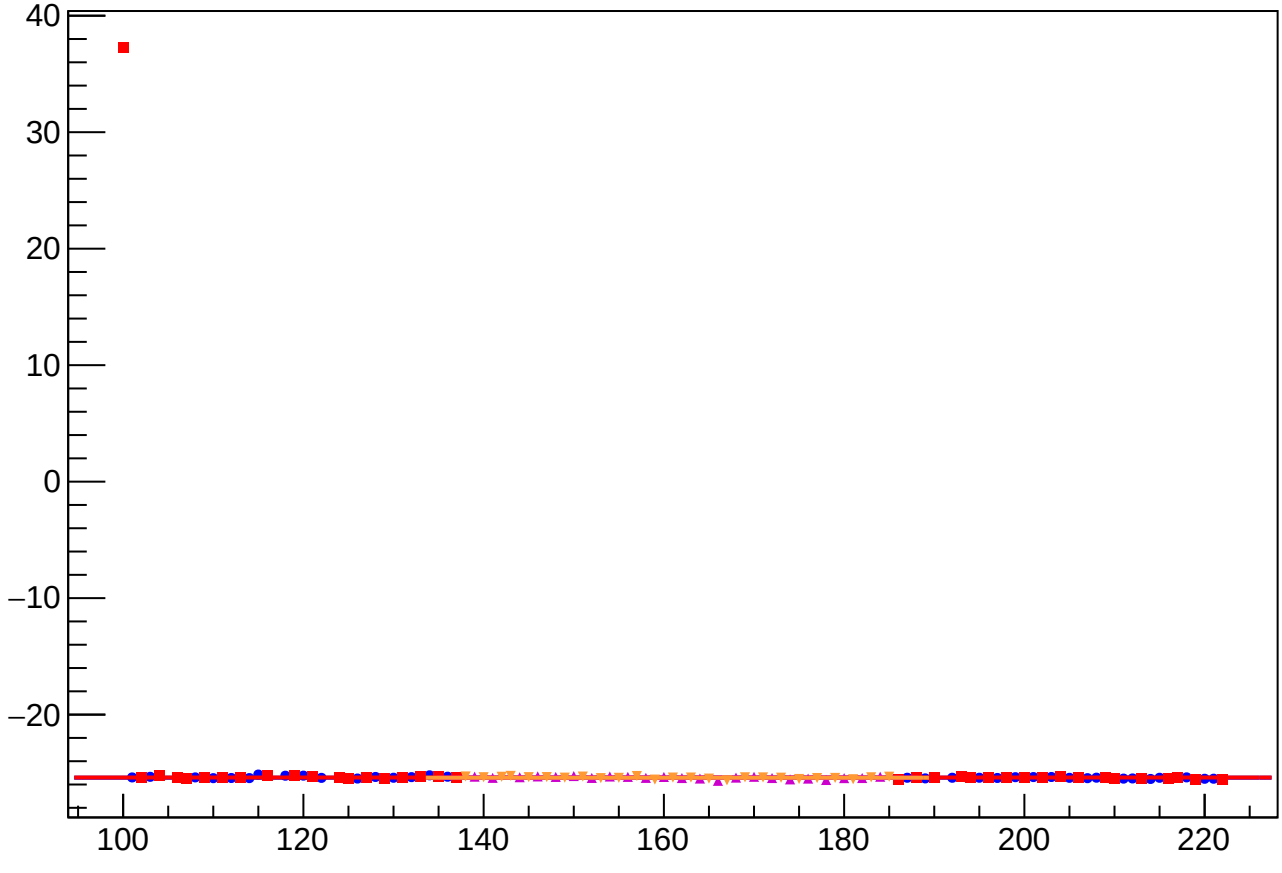
Right: 0.049+/-0.000 χ^2/NDF: 2366912.9/70

In: 0.047+/-0.000 χ^2/NDF:1641485.0/56

Out: 0.047+/-0.000 χ^2/NDF:1477649.1/60

All: 0.047+/-0.000 χ^2/NDF: 3119917.1/117

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: -25.400+/-0.000 χ^2/NDF: 6360169249.1/36

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

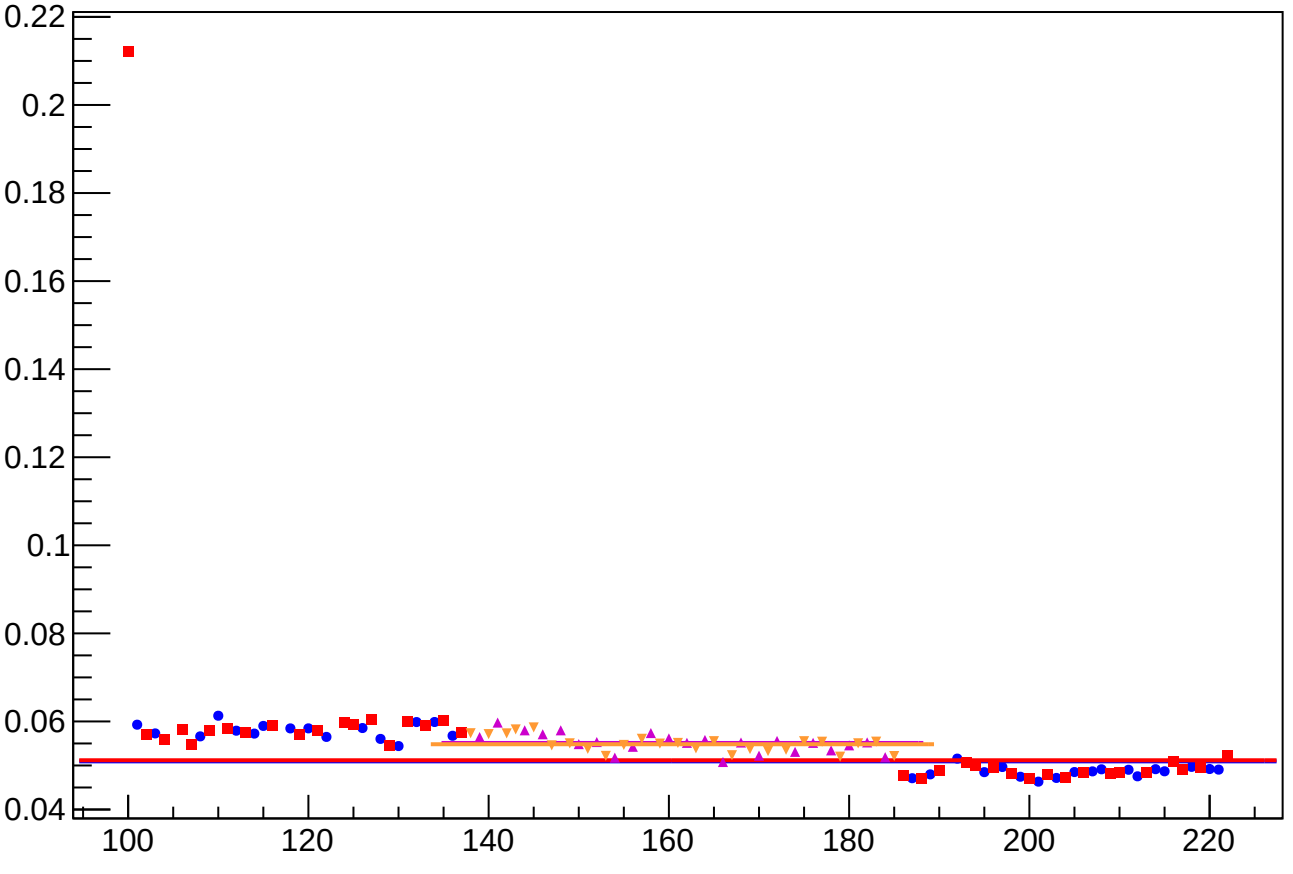
Right: -25.408+/-0.000 χ^2/NDF: 6399918583.6/70

In: -25.416+/-0.000 χ^2/NDF:94404433.6/56

Out: -25.407+/-0.000 χ^2/NDF:6413428000.0/61

All: -25.411+/-0.000 χ^2/NDF: 6508375641.9/

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: 381989.8/36

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

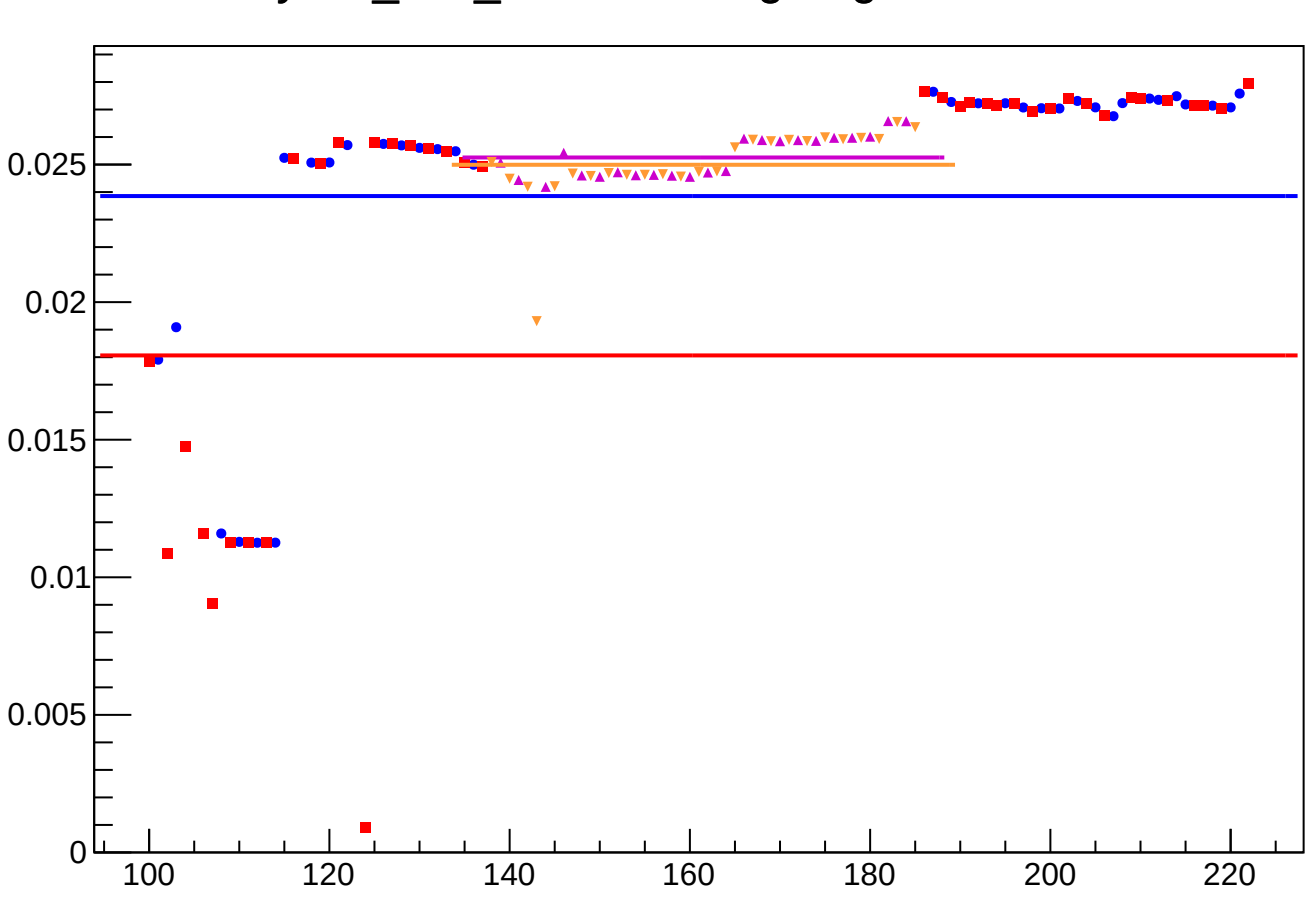
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 668229.4/70

In: 0.053+/-0.000 χ^2/NDF:456340.1/56

Out: 0.053+/-0.000 χ^2/NDF:513616.7/61

All: 0.053+/-0.000 χ^2/NDF: 970073.4/118



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: 518208705802.0/37

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

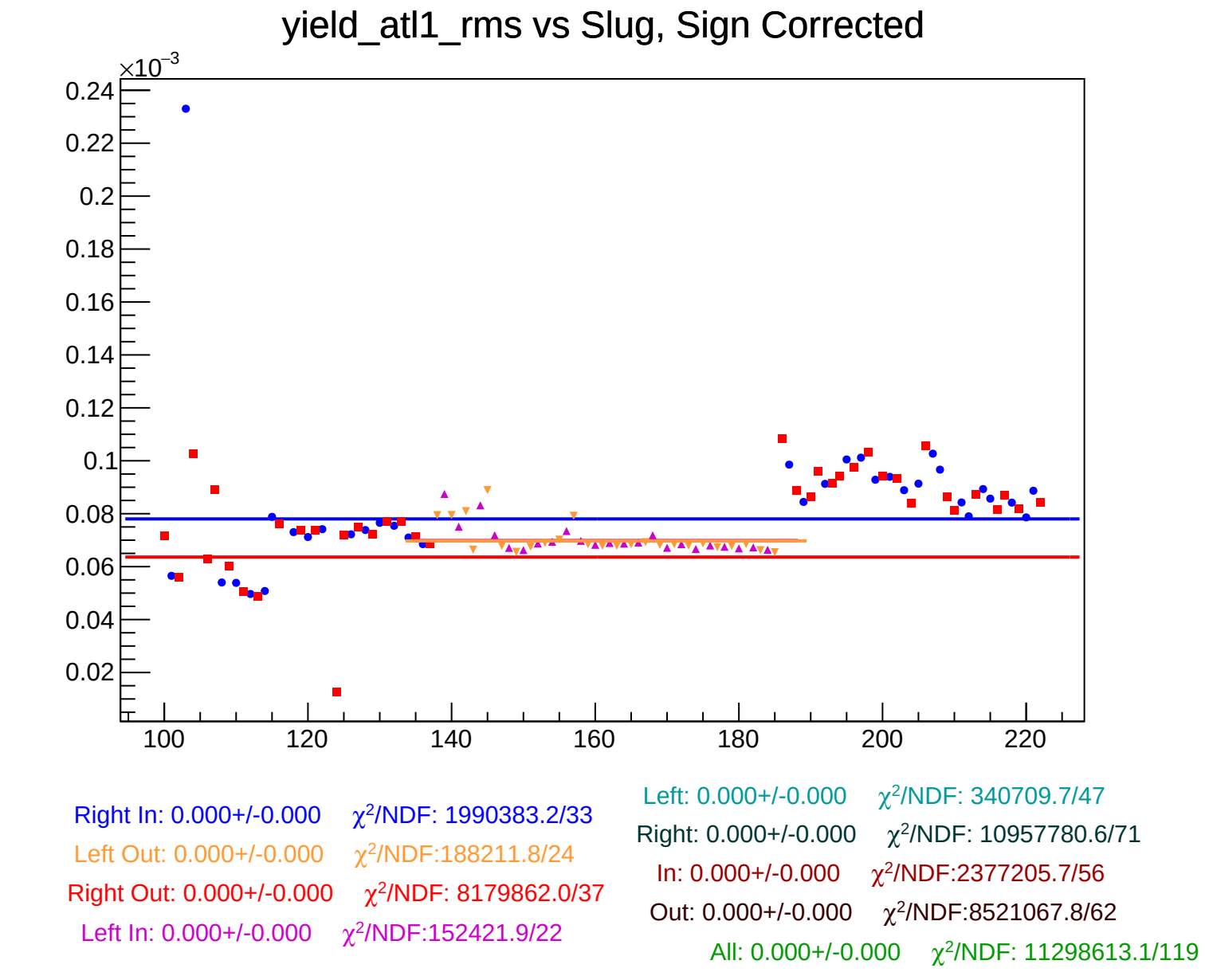
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.021+/-0.000 χ^2/NDF: 688885808168.1/71

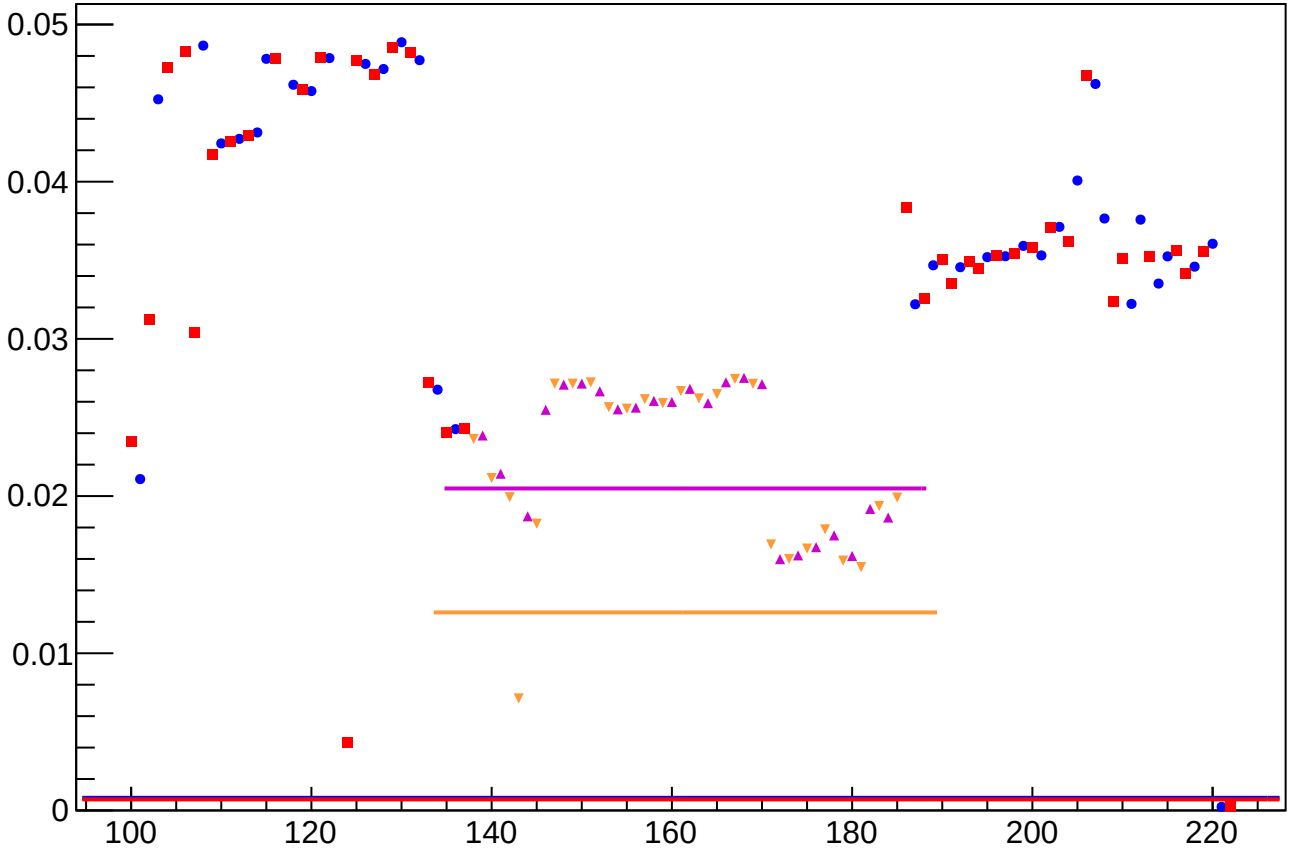
In: 0.025+/-0.000 χ^2/NDF:112396255951.0/56

Out: 0.021+/-0.000 χ^2/NDF:624582363836.7/62

All: 0.023+/-0.000 χ^2/NDF: 776989877856.8


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 1990383.2/33
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8179862.0/37
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 10957780.6/71
In: 0.000+/-0.000 χ²/NDF:2377205.7/56
Out: 0.000+/-0.000 χ²/NDF:8521067.8/62
All: 0.000+/-0.000 χ²/NDF: 11298613.1/119

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: 0.001+/-0.000 χ^2/NDF: 129534618958.4/37

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

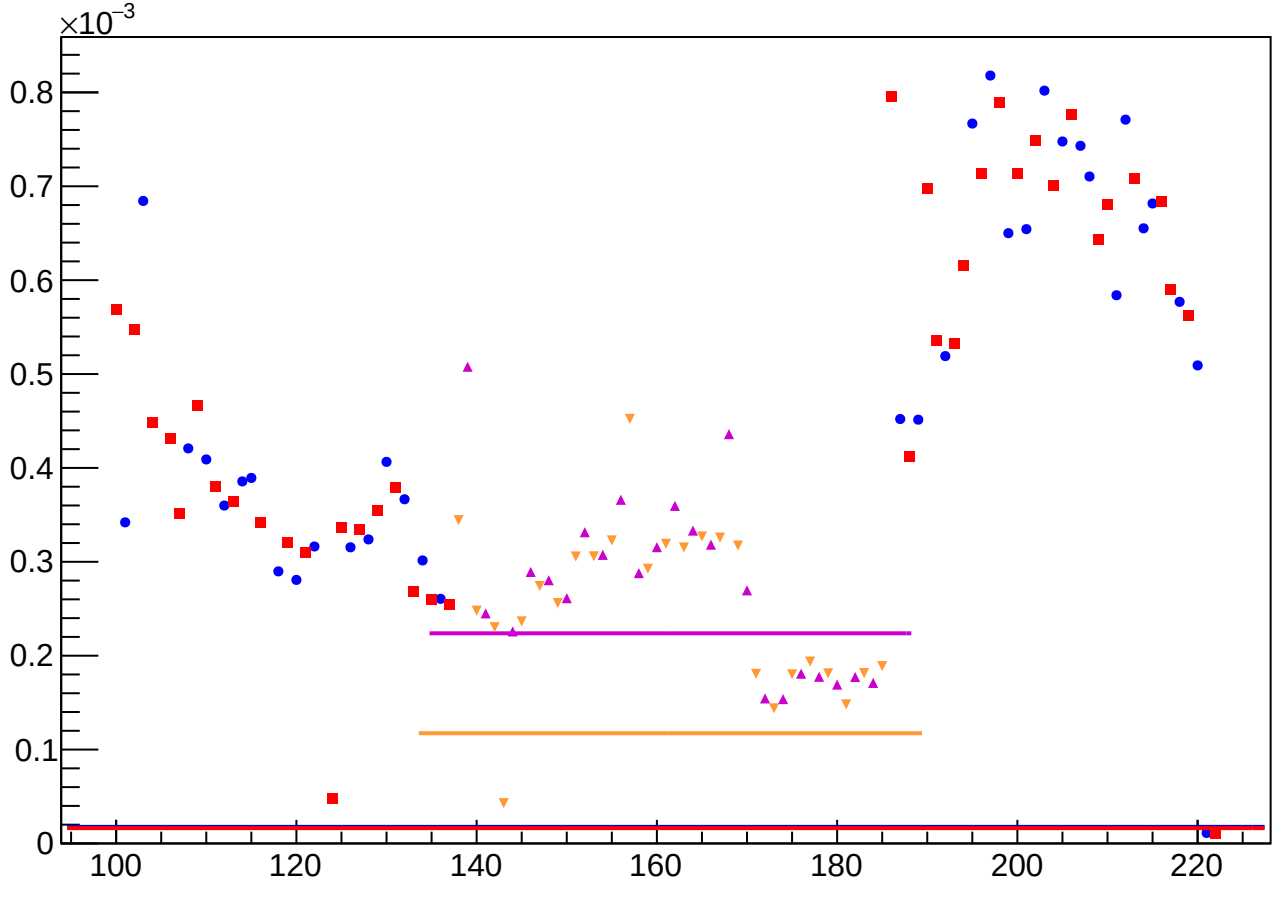
Right: 0.001+/-0.000 χ^2/NDF: 261828581850.2/71

In: 0.002+/-0.000 χ^2/NDF:249504741909.4/56

Out: 0.002+/-0.000 χ^2/NDF:263735311189.3/62

All: 0.002+/-0.000 χ^2/NDF: 513243618470.8

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37029760.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37737202.3/37

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

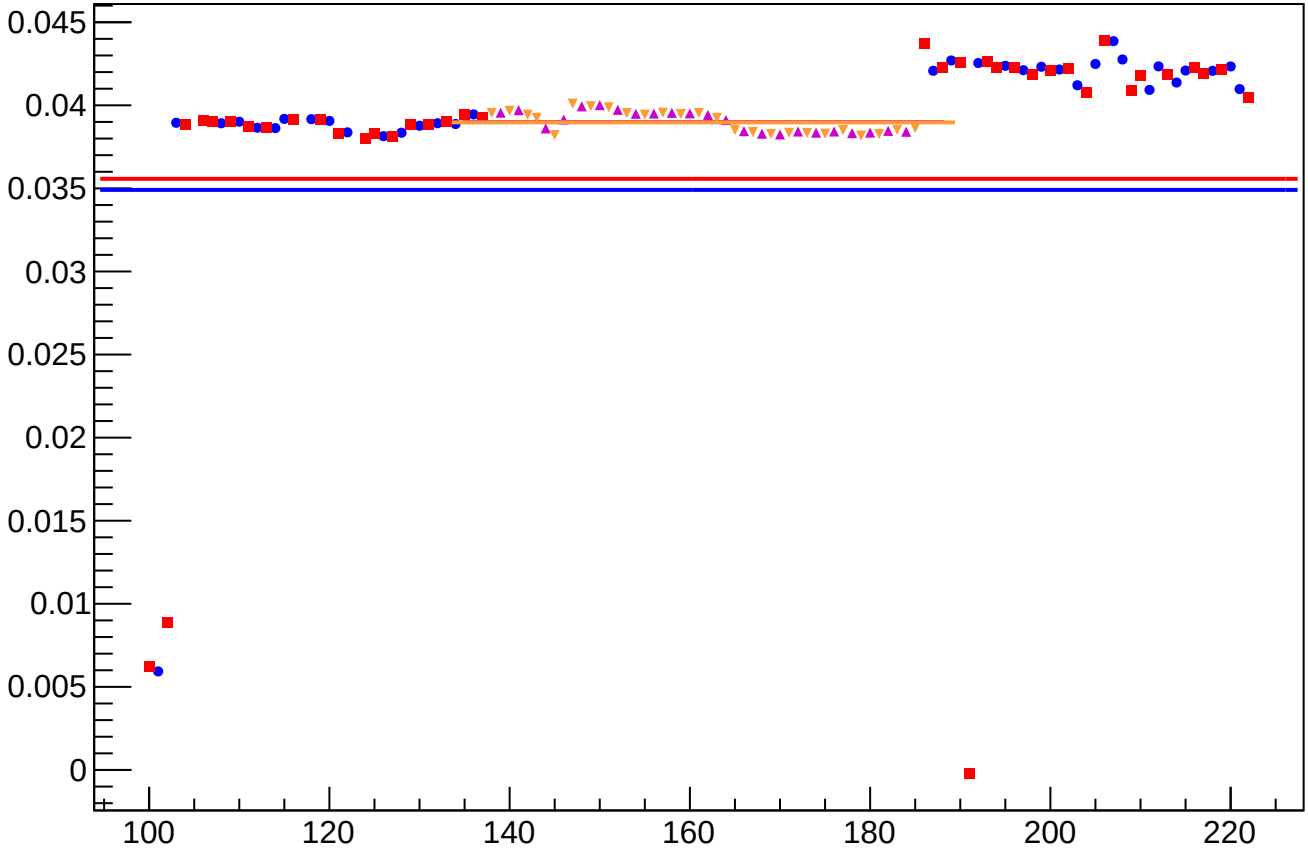
Right: 0.000+/-0.000 χ^2/NDF: 74778814.9/71

In: 0.000+/-0.000 χ^2/NDF:64816788.3/56

Out: 0.000+/-0.000 χ^2/NDF:66130502.5/62

All: 0.000+/-0.000 χ^2/NDF: 130978317.6/119

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 139149992111.4/33

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.036+/-0.000 χ^2/NDF: 125509792056.1/37

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

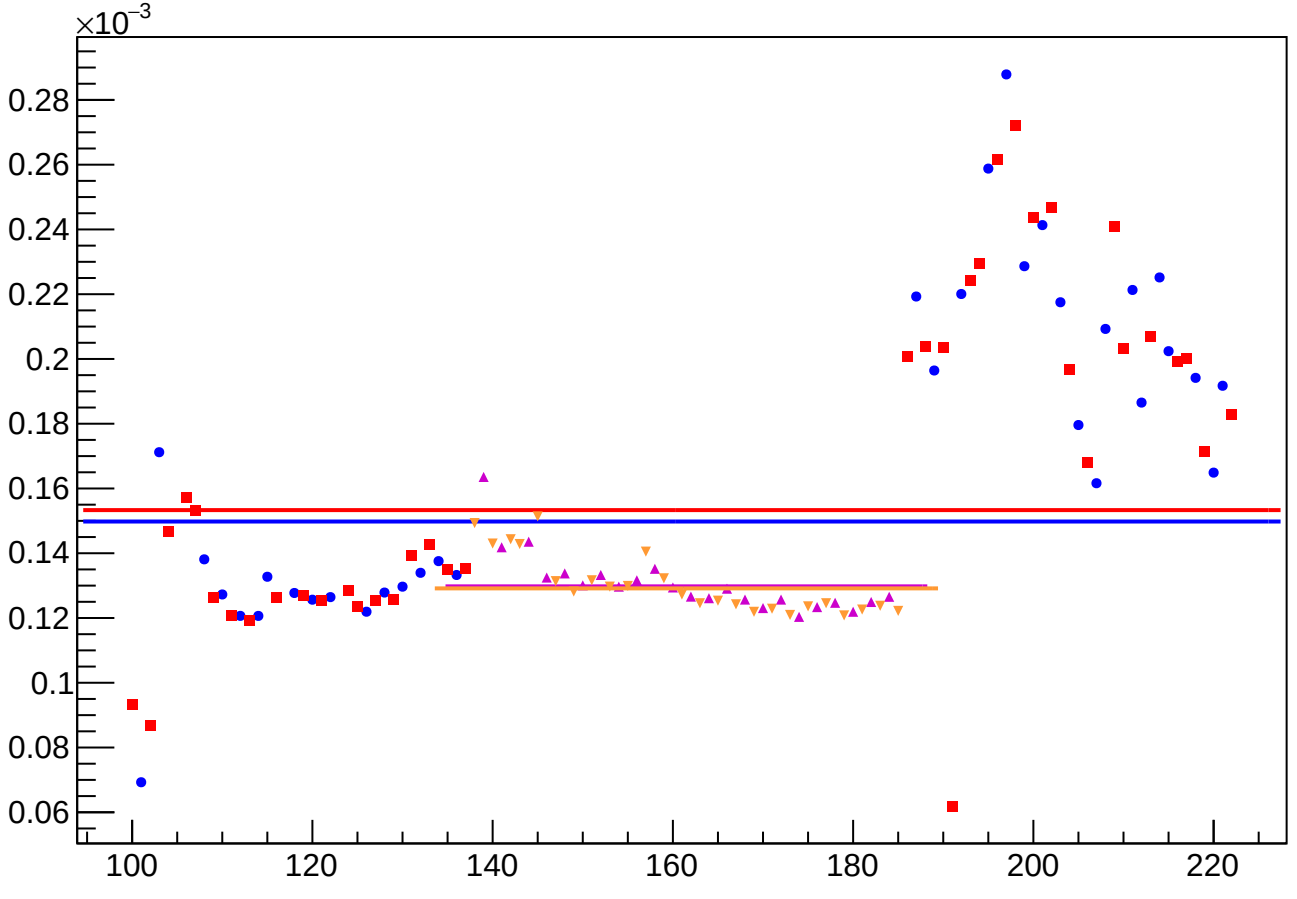
Right: 0.035+/-0.000 χ^2/NDF: 264845216379.3/71

In: 0.037+/-0.000 χ^2/NDF:147435569664.9/56

Out: 0.038+/-0.000 χ^2/NDF:131482421216.1/62

All: 0.037+/-0.000 χ^2/NDF: 279046020796.5

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: 4186041.1/37

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

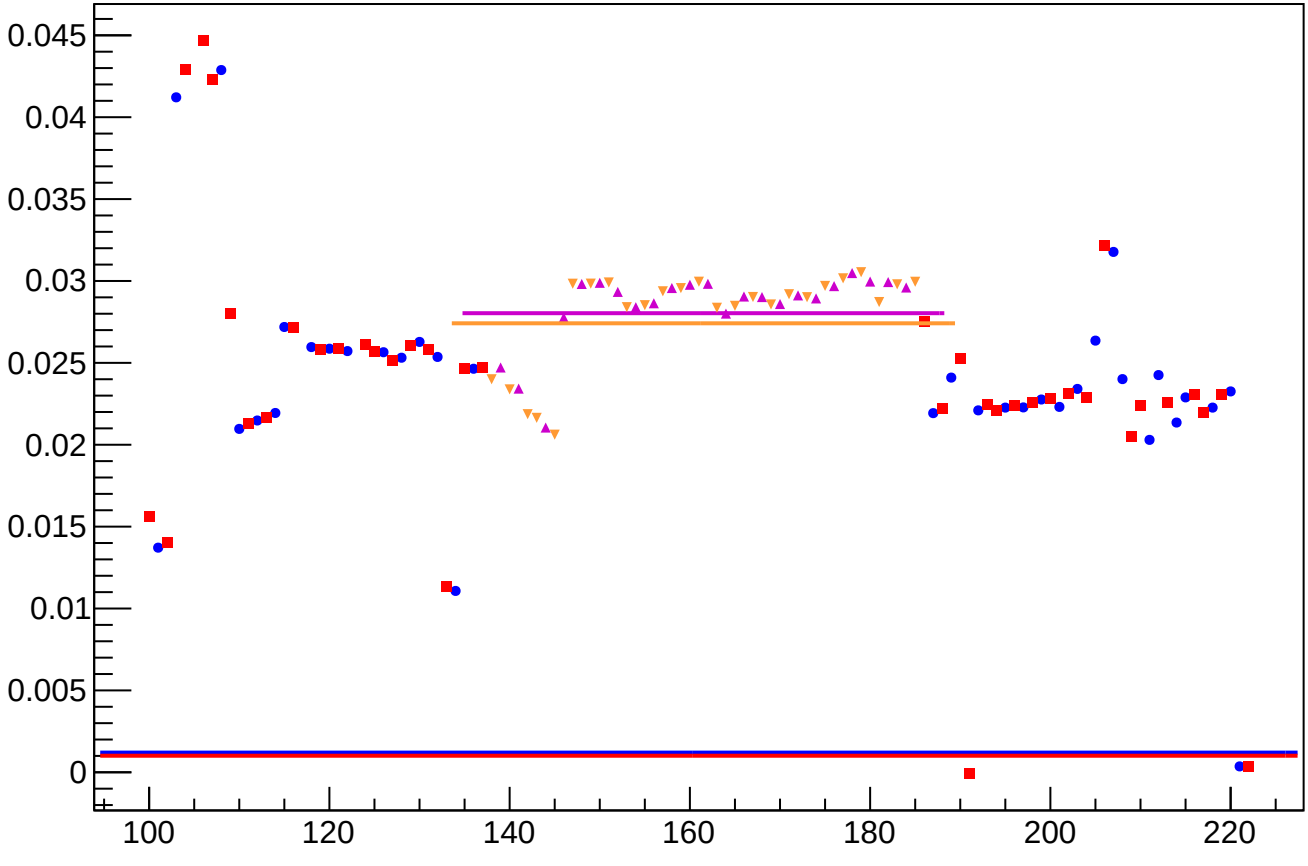
Right: 0.000+/-0.000 χ^2/NDF: 8774420.8/71

In: 0.000+/-0.000 χ^2/NDF:5098183.0/56

Out: 0.000+/-0.000 χ^2/NDF:4900209.0/62

All: 0.000+/-0.000 χ^2/NDF: 9999198.9/119

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 69937278020.0/33

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 73269709753.1/37

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

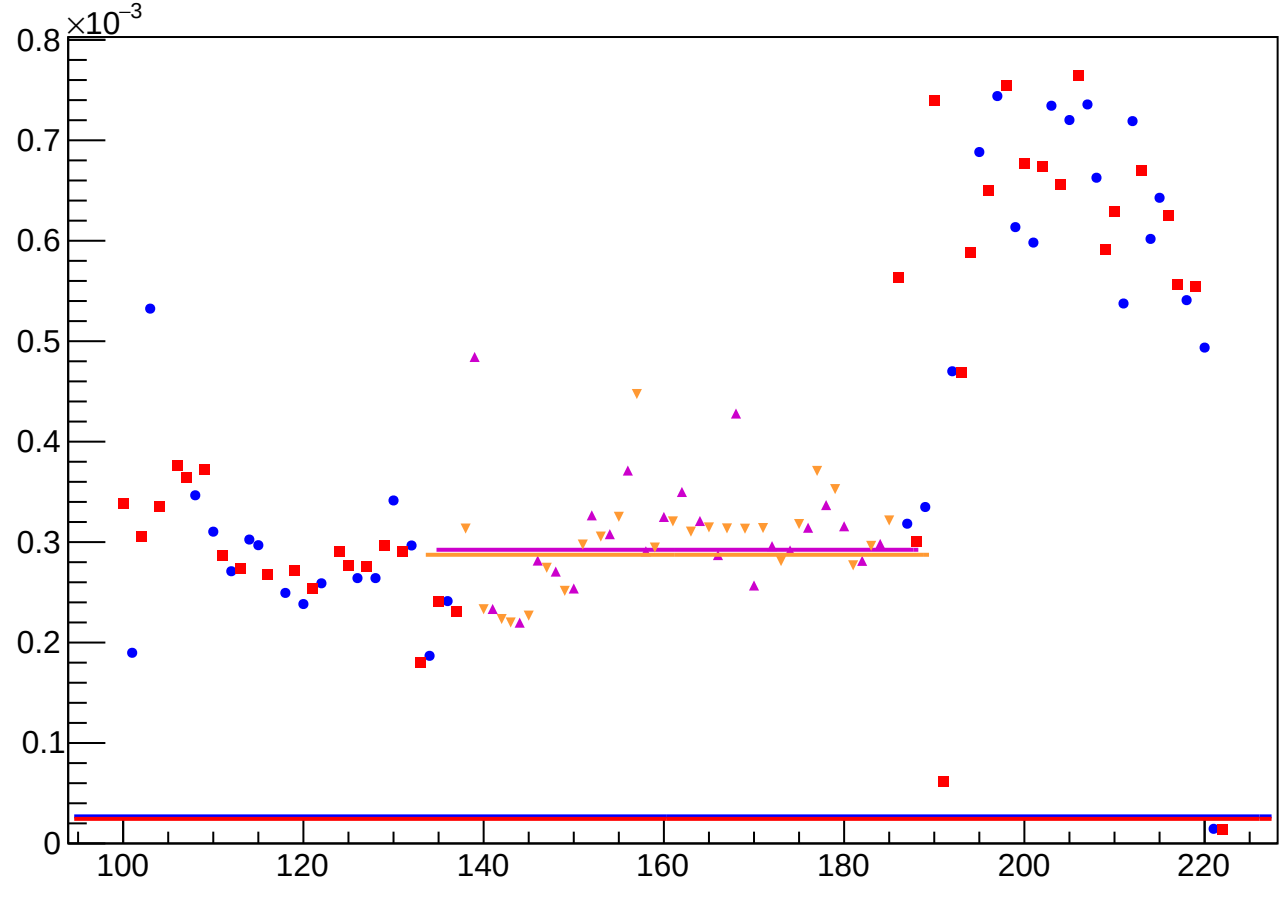
Right: 0.001+/-0.000 χ^2/NDF: 143280369237.0/71

In: 0.003+/-0.000 χ^2/NDF:203175507627.2/56

Out: 0.002+/-0.000 χ^2/NDF:213813494146.7/62

All: 0.002+/-0.000 χ^2/NDF: 417325114292.2

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: 36061567.5/37

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

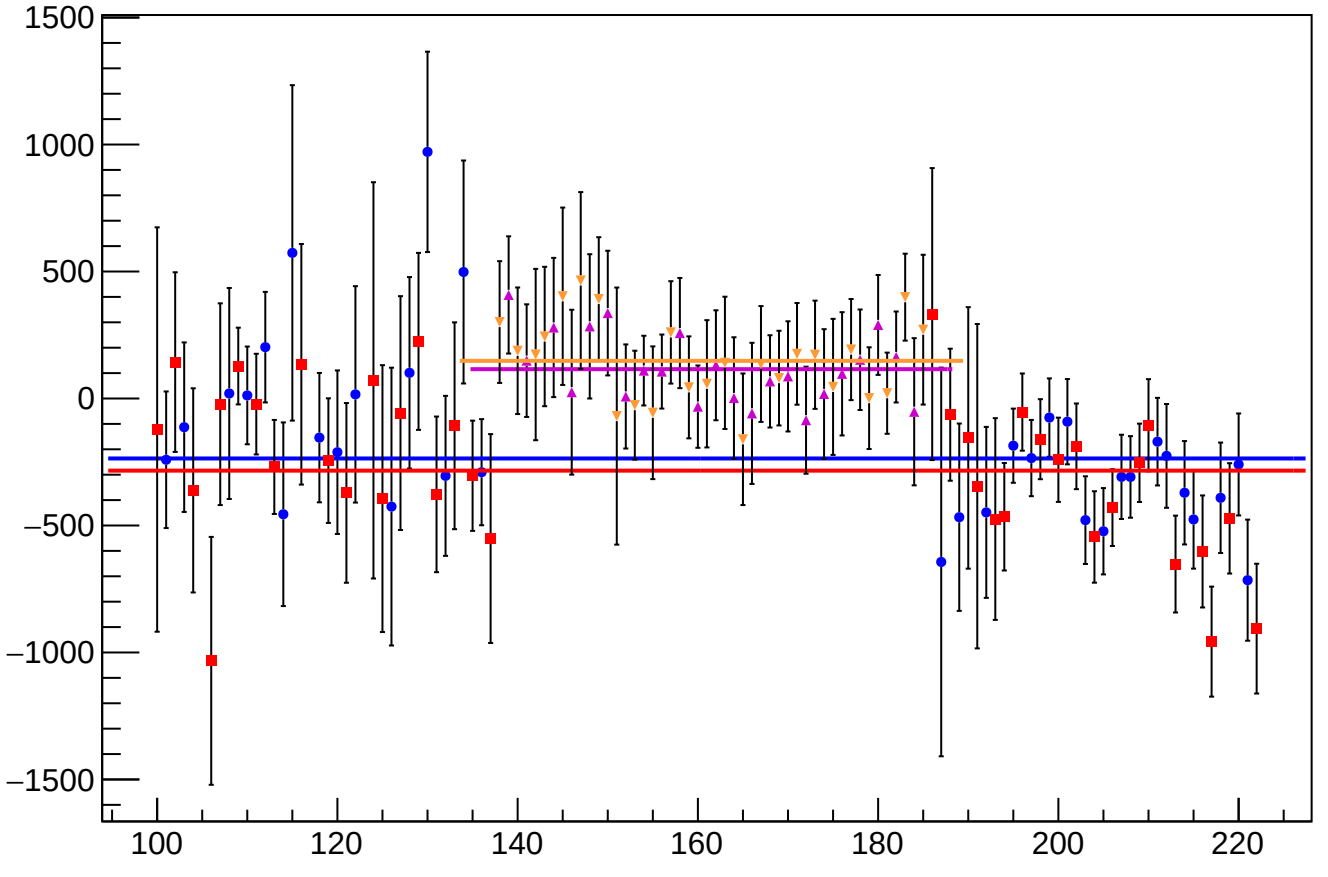
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 71482301.9/71

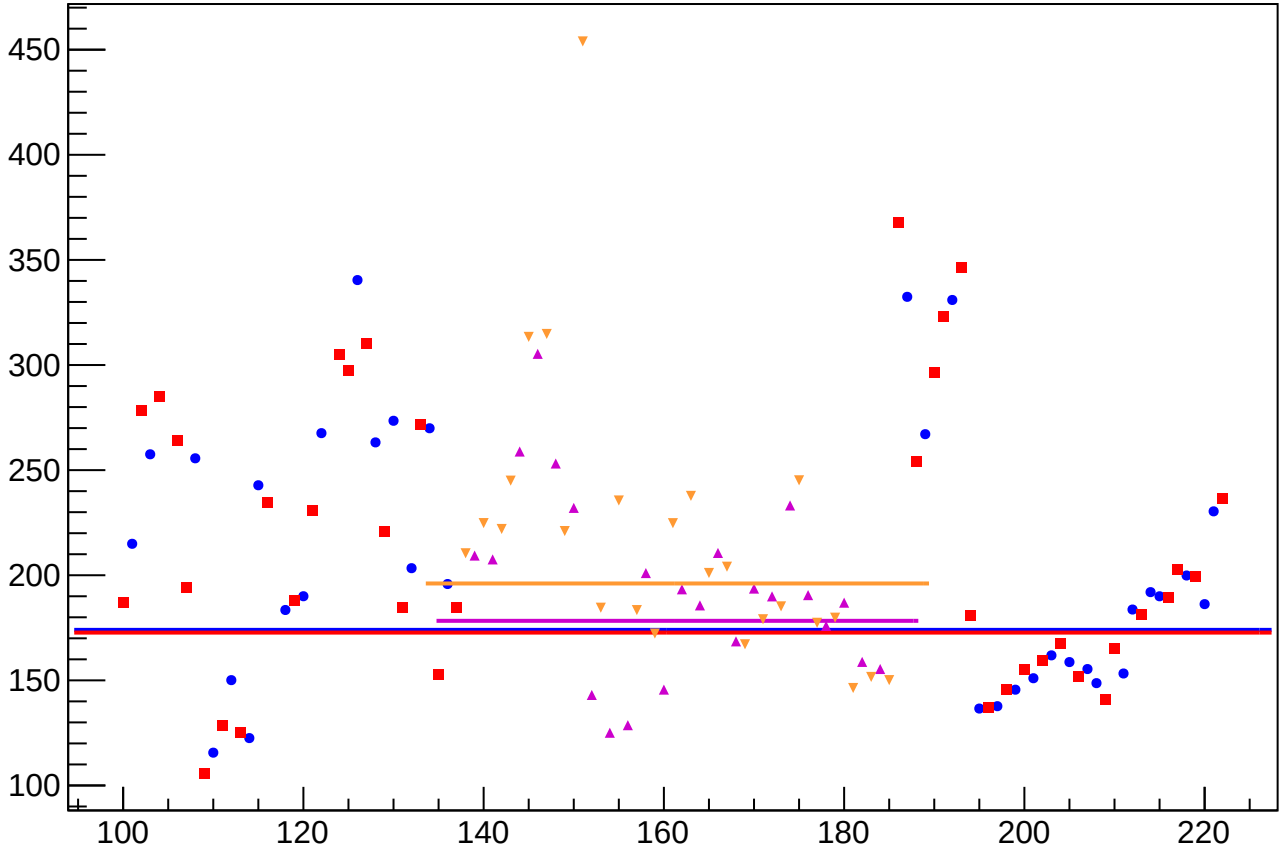
In: 0.000+/-0.000 χ^2/NDF:62152833.1/56

Out: 0.000+/-0.000 χ^2/NDF:64304697.4/62

All: 0.000+/-0.000 χ^2/NDF: 126541064.5/119


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -236.124+/-38.514 χ²/NDF: 36.7/33
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: -283.988+/-38.443 χ²/NDF: 50.1/37
Left In: 115.487+/-43.568 χ²/NDF:7.8/22
Left: 130.913+/-31.703 χ²/NDF: 18.4/47
Right: -260.100+/-27.209 χ²/NDF: 87.6/71
In: -81.884+/-28.856 χ²/NDF:81.0/56
Out: -107.228+/-29.556 χ²/NDF:112.2/62
All: -94.252+/-20.647 χ²/NDF: 193.6/119

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: 172.722+/-0.027 χ^2/NDF: 3238870.2/37

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

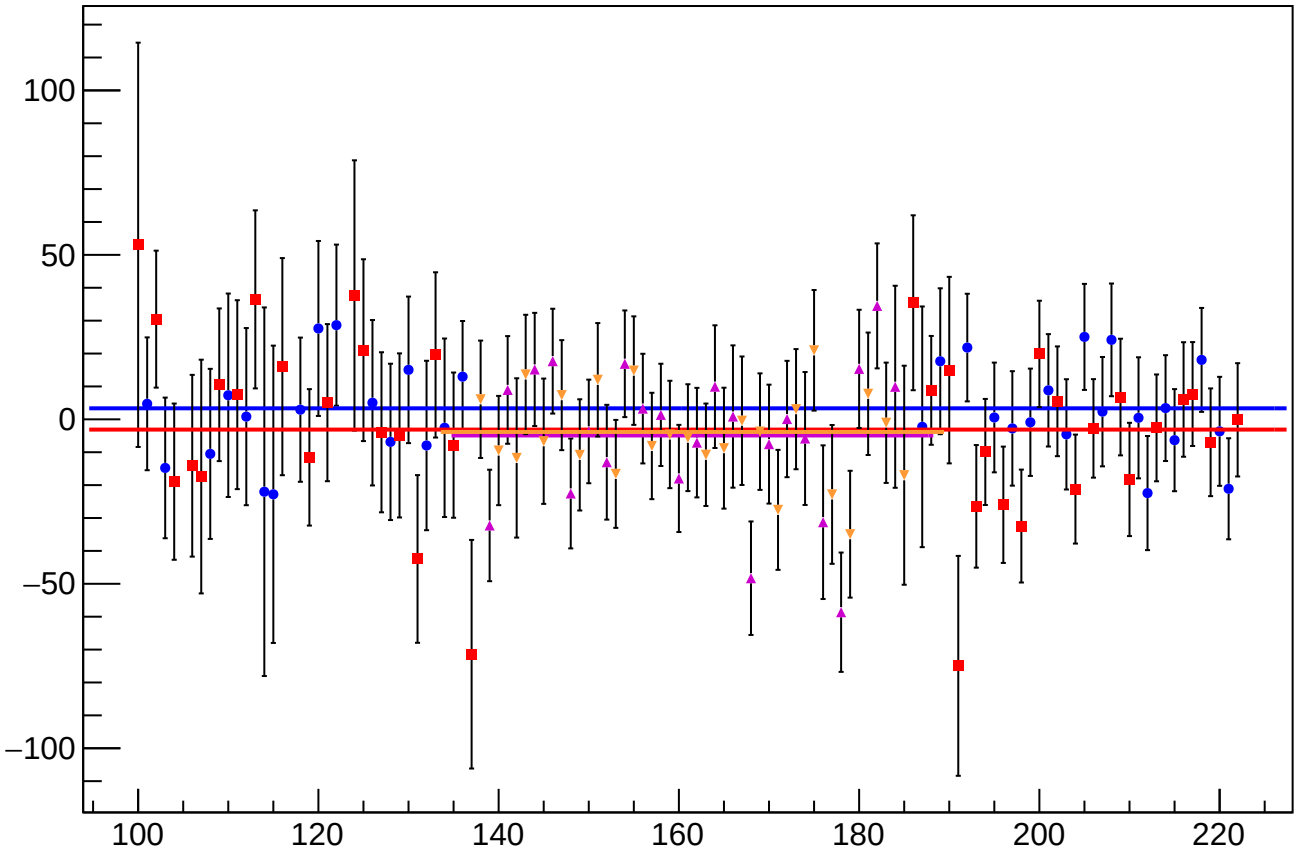
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 173.369+/-0.019 χ^2/NDF: 5735685.4/71

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 182.276+/-0.021 χ^2/NDF:5359453.3/62

All: 179.014+/-0.015 χ^2/NDF: 9591995.8/119



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: -3.118+/-3.373 χ^2/NDF: 35.7/37

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

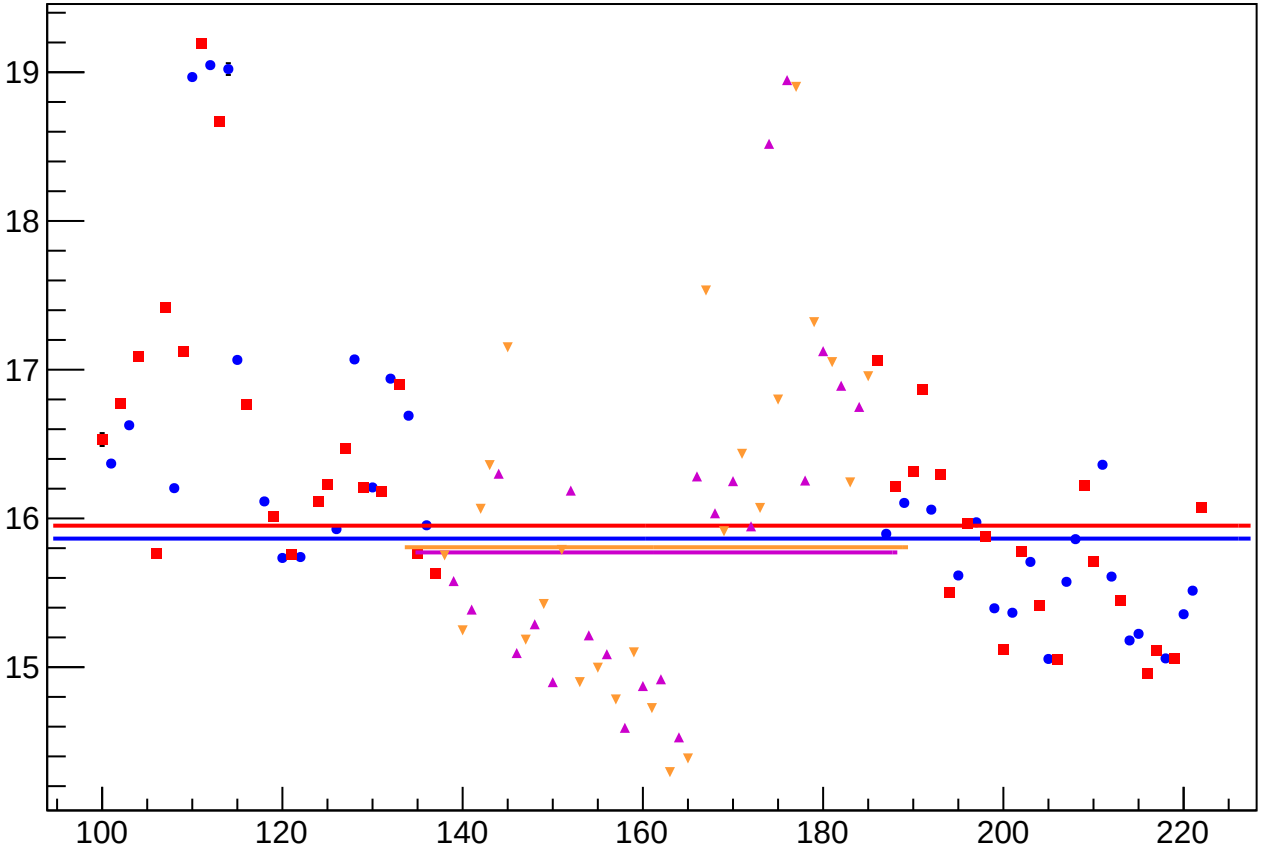
Right: 0.108+/-2.388 χ^2/NDF: 53.8/71

In: -0.412+/-2.495 χ^2/NDF:52.9/56

Out: -3.452+/-2.462 χ^2/NDF:48.6/62

All: -1.952+/-1.752 χ^2/NDF: 102.2/119

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: 15.951+/-0.002 χ^2/NDF: 112029.5/37

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

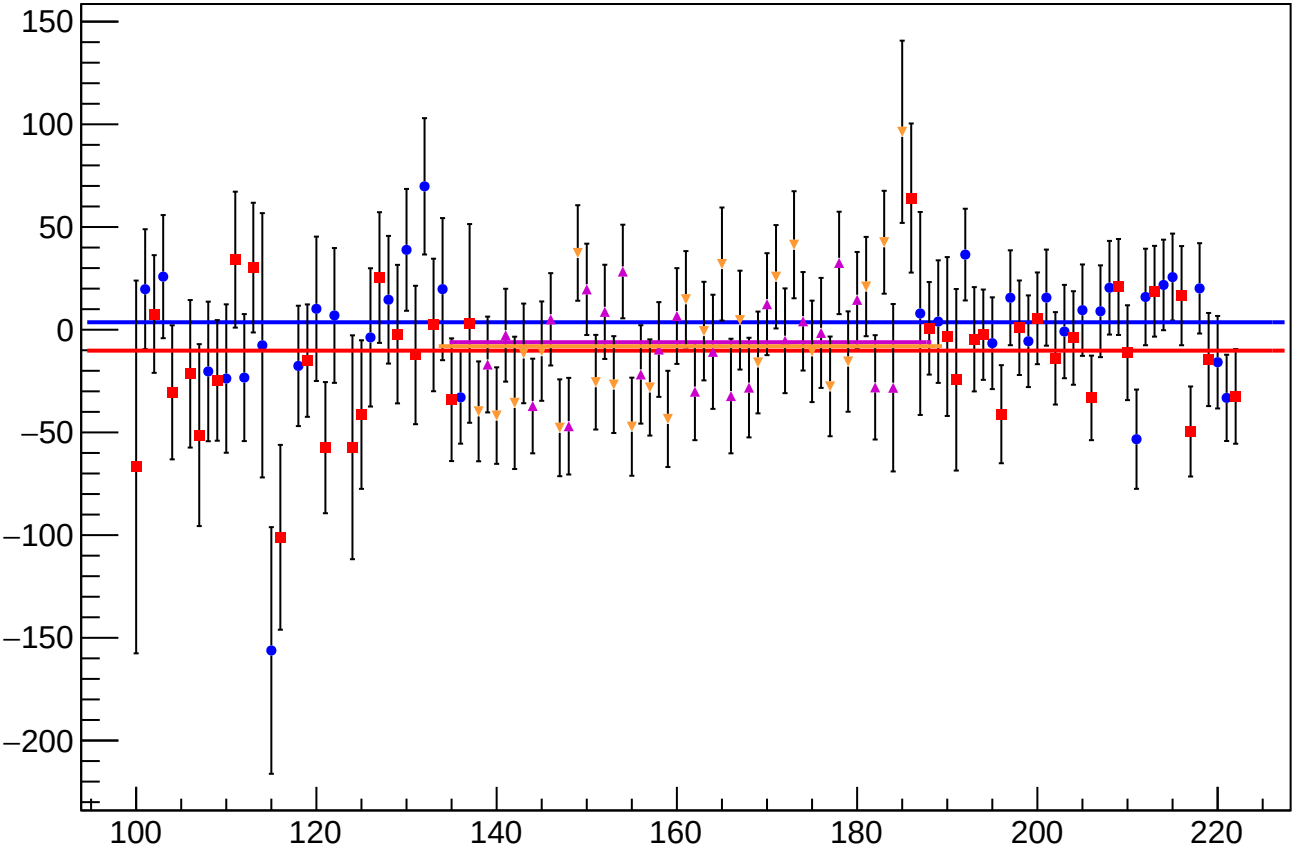
Right: 15.908+/-0.002 χ^2/NDF: 211312.1/71

In: 15.822+/-0.002 χ^2/NDF:251446.7/56

Out: 15.884+/-0.002 χ^2/NDF:286407.7/62

All: 15.853+/-0.001 χ^2/NDF: 538470.9/119

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.635+/-4.545 χ^2/NDF: 34.5/33

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.183+/-4.534 χ^2/NDF: 33.2/37

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

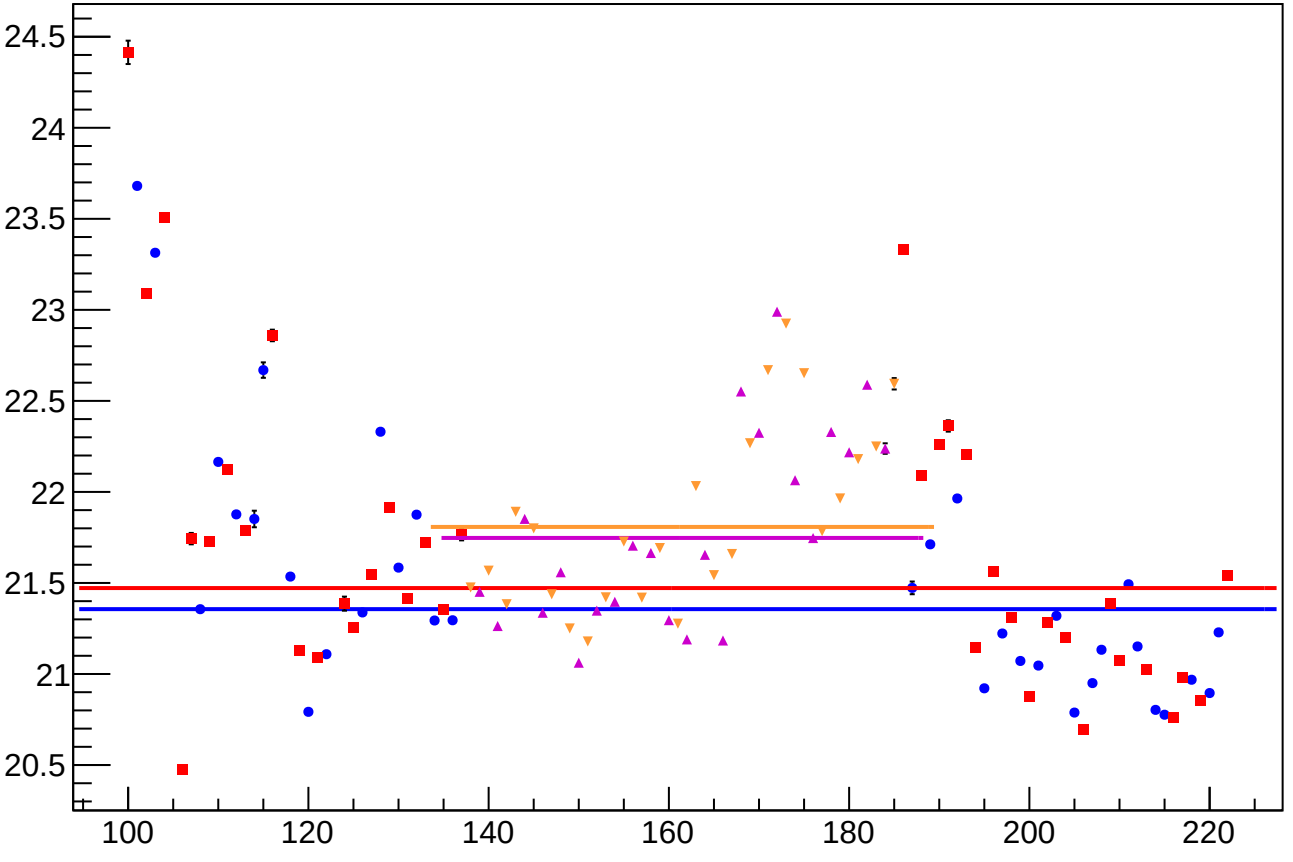
Right: -3.291+/-3.210 χ^2/NDF: 72.3/71

In: -0.687+/-3.387 χ^2/NDF:54.5/56

Out: -9.196+/-3.345 χ^2/NDF:72.1/62

All: -4.994+/-2.380 χ^2/NDF: 129.8/119

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: 21.472+/-0.003 χ^2/NDF: 43200.1/37

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

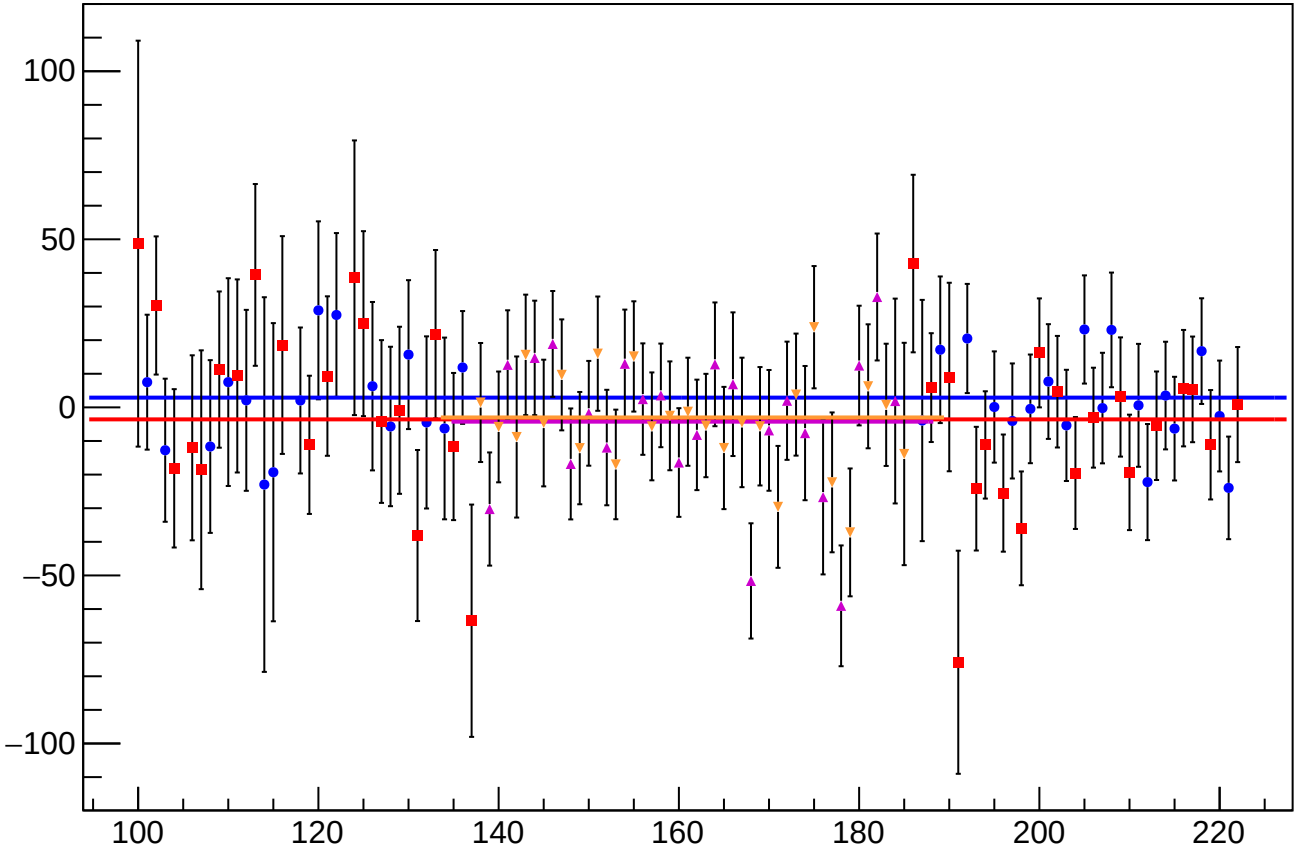
Right: 21.414+/-0.002 χ^2/NDF: 80947.4/71

In: 21.530+/-0.002 χ^2/NDF:64241.2/56

Out: 21.625+/-0.002 χ^2/NDF:65757.6/62

All: 21.578+/-0.002 χ^2/NDF: 130793.2/119

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: -3.571+/-3.351 χ^2/NDF: 35.9/37

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

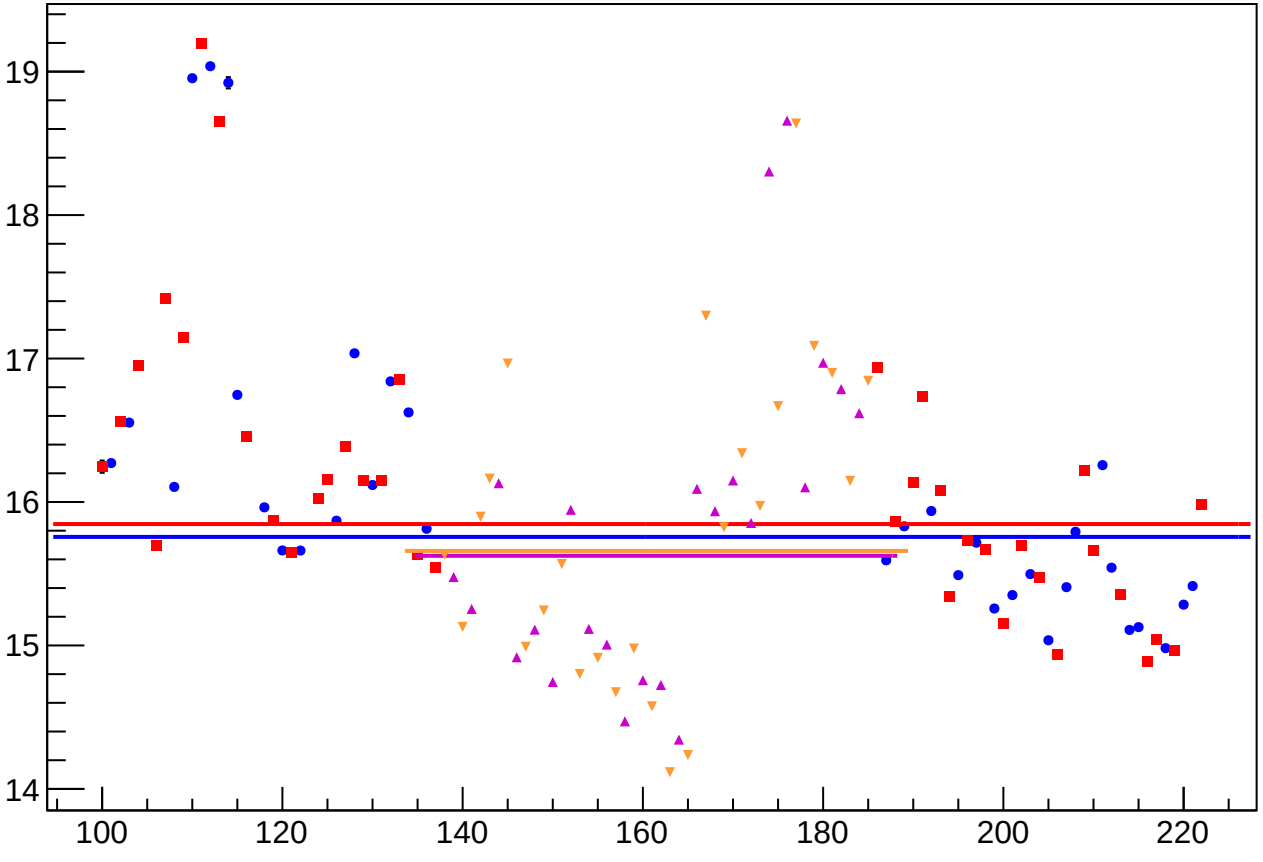
Right: -0.343+/-2.372 χ^2/NDF: 53.8/71

In: -0.368+/-2.475 χ^2/NDF:51.9/56

Out: -3.304+/-2.443 χ^2/NDF:50.6/62

All: -1.855+/-1.739 χ^2/NDF: 103.3/119

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: 15.846+/-0.002 χ^2/NDF: 112558.1/37

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

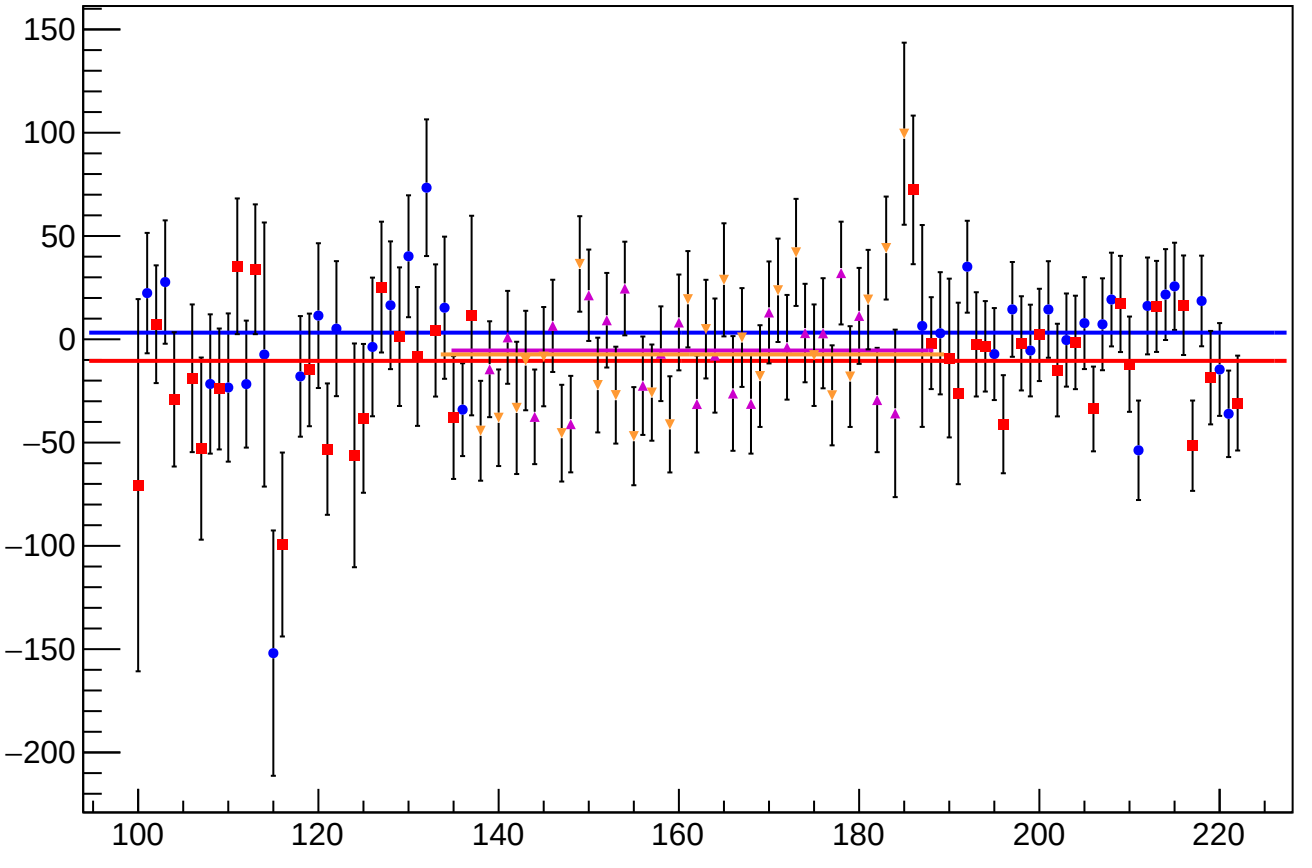
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.802+/-0.002 χ^2/NDF: 213846.0/71

In: 15.696+/-0.002 χ^2/NDF:252411.4/56

Out: 15.758+/-0.002 χ^2/NDF:285323.9/62

All: 15.728+/-0.001 χ^2/NDF: 538370.0/119



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: -10.443+/-4.514 χ^2/NDF: 34.0/37

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

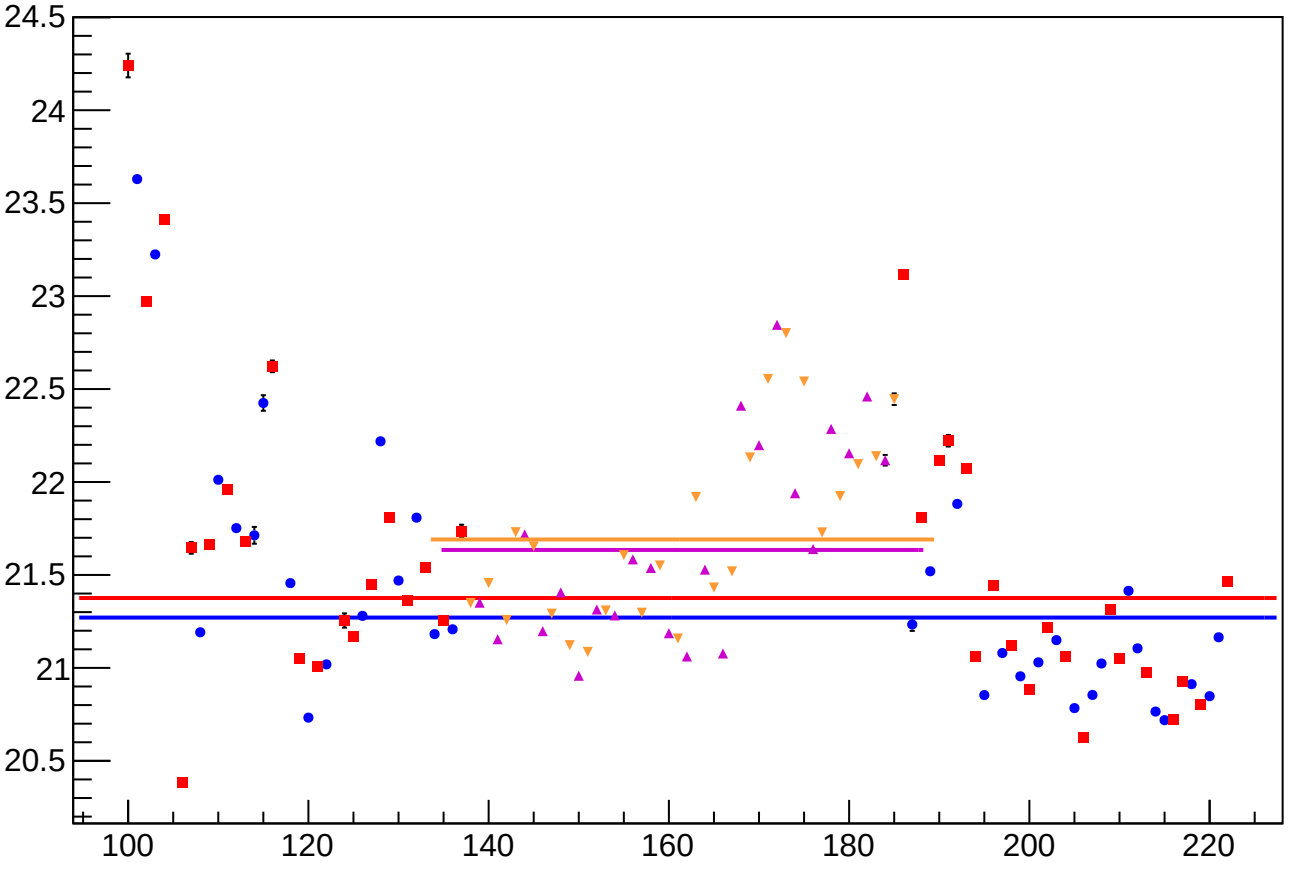
Right: -3.633+/-3.196 χ^2/NDF: 73.9/71

In: -0.635+/-3.372 χ^2/NDF:54.2/56

Out: -9.018+/-3.329 χ^2/NDF:72.8/62

All: -4.880+/-2.369 χ^2/NDF: 130.2/119

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: 21.376+/-0.003 χ^2/NDF: 39438.7/37

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

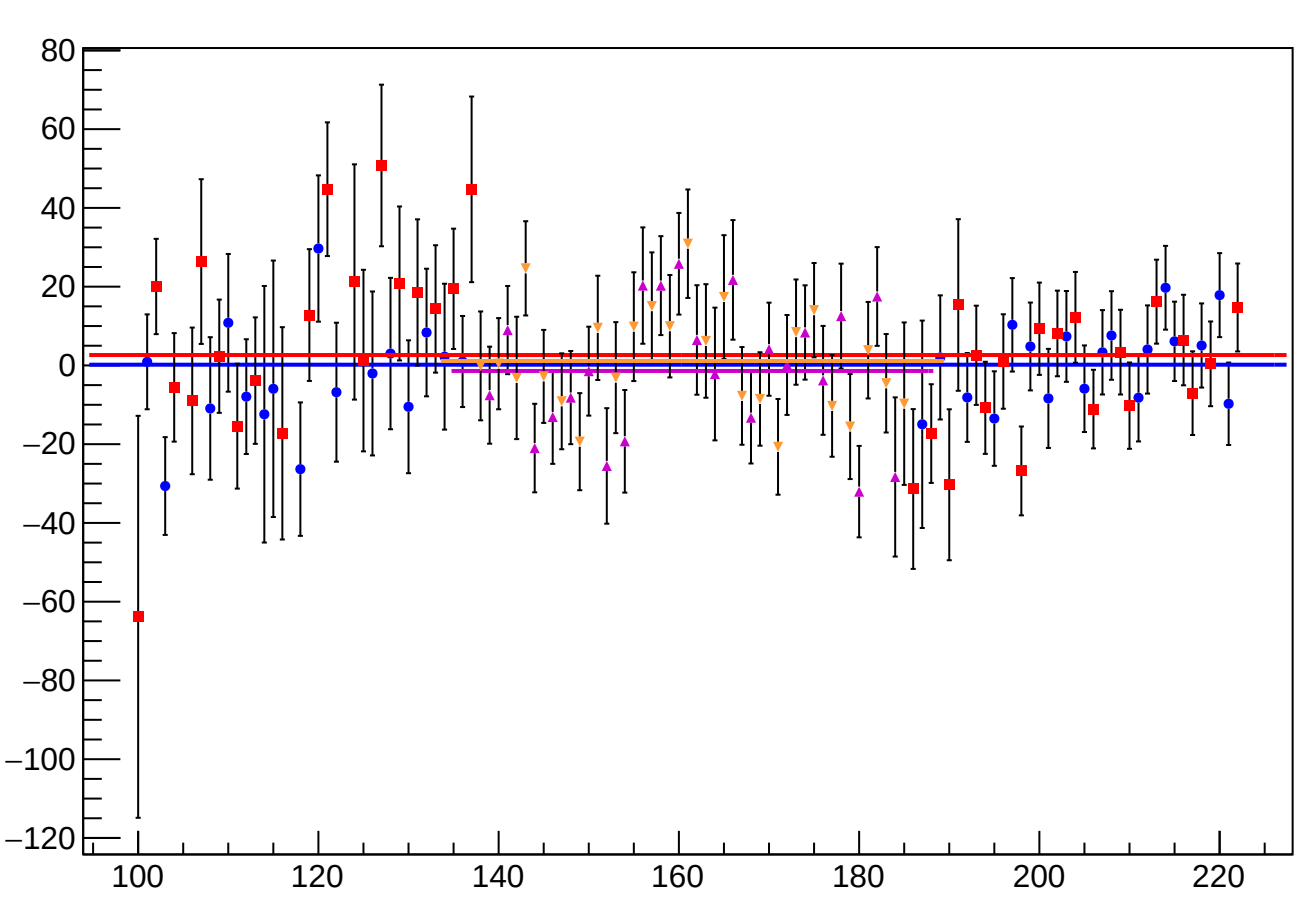
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.323+/-0.002 χ^2/NDF: 76004.9/71

In: 21.433+/-0.002 χ^2/NDF:62336.4/56

Out: 21.520+/-0.002 χ^2/NDF:61814.8/62

All: 21.477+/-0.002 χ^2/NDF: 124823.7/119



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: 2.642+/-2.272 χ^2/NDF: 51.8/37

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

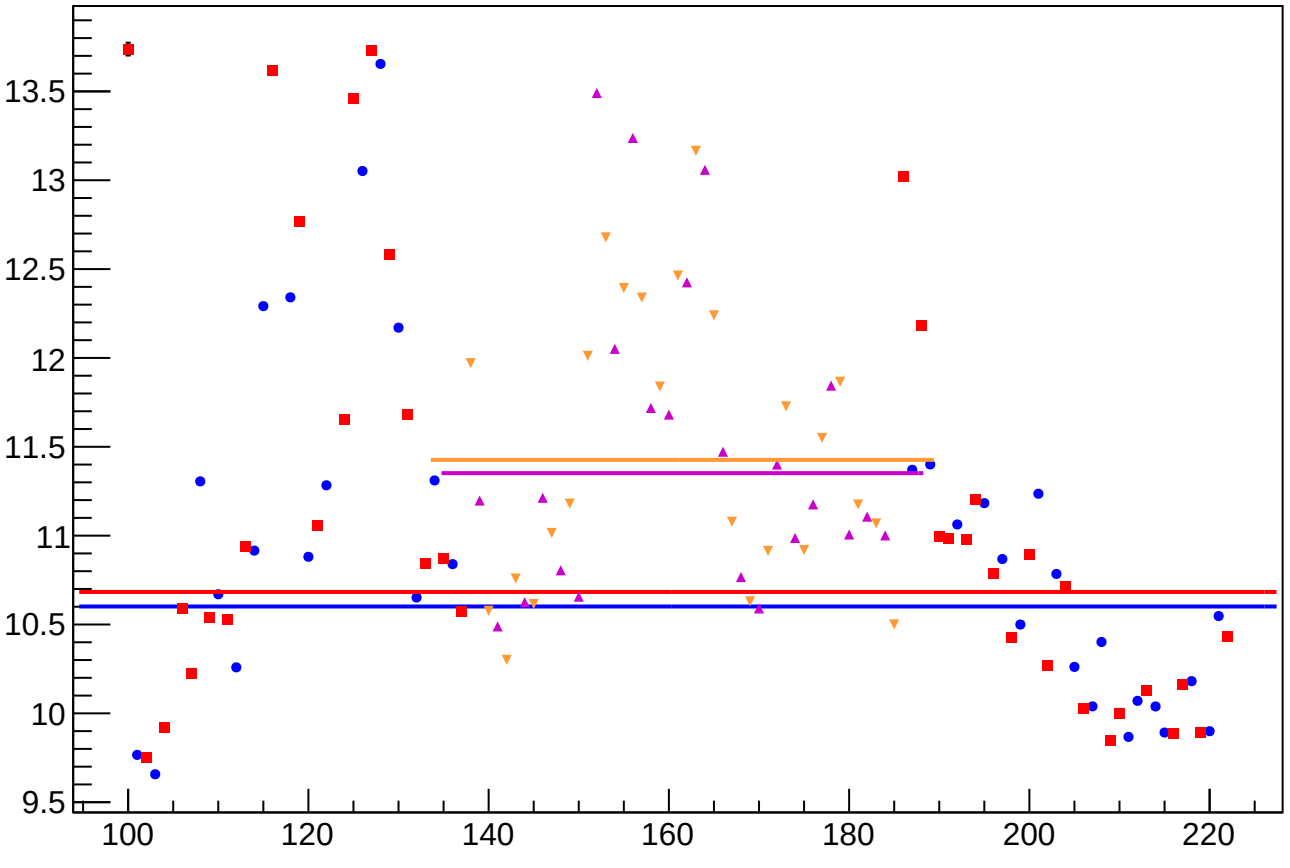
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 1.412+/-1.606 χ^2/NDF: 78.7/71

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.996+/-1.716 χ^2/NDF:76.5/62

All: 0.767+/-1.219 χ^2/NDF: 140.4/119



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: 10.683+/-0.002 χ^2/NDF: 309571.3/37

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

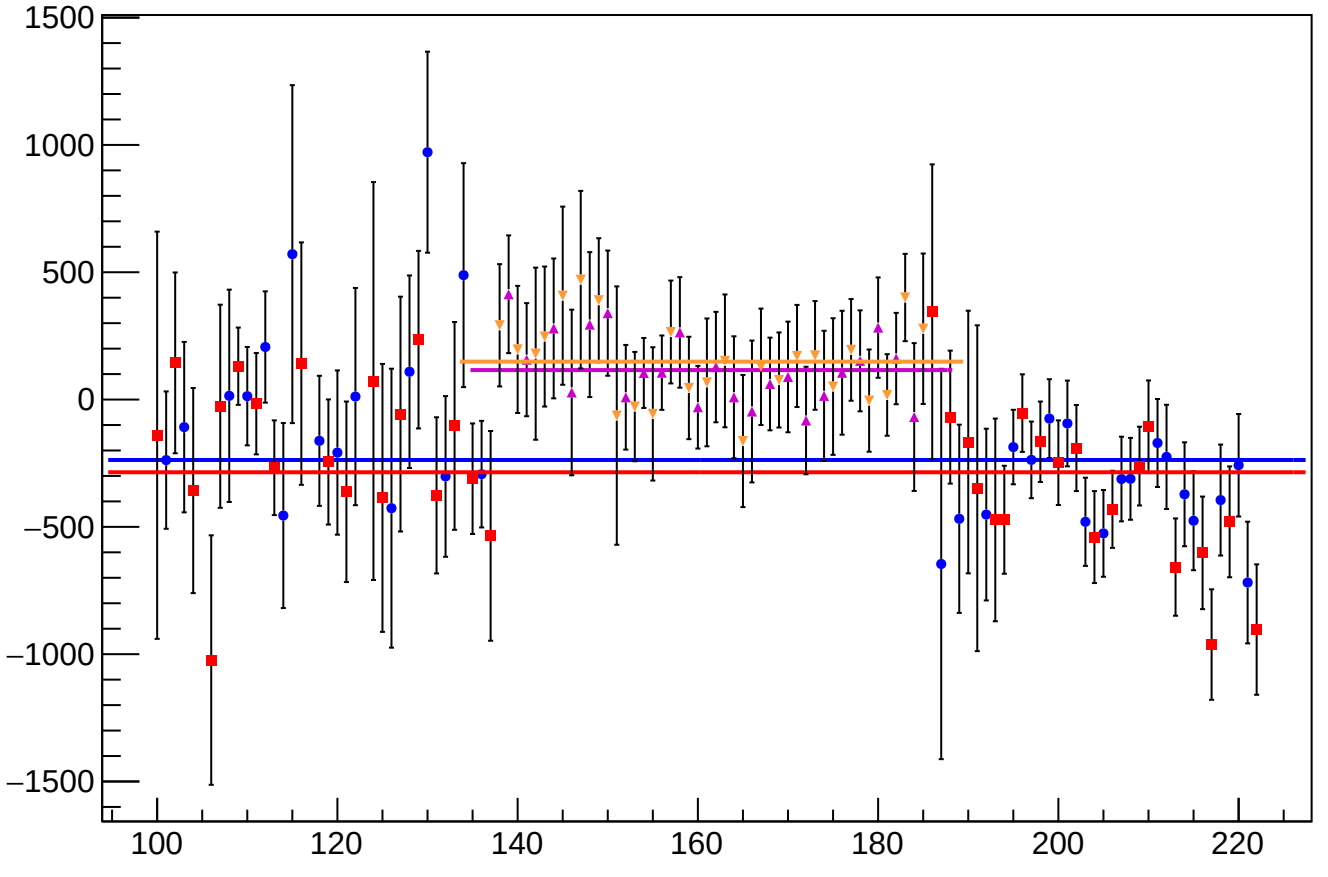
Right: 10.642+/-0.001 χ^2/NDF: 535801.6/71

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.002+/-0.001 χ^2/NDF:558422.3/62

All: 10.959+/-0.001 χ^2/NDF: 1047993.6/119

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: -285.562+/-38.544 χ^2/NDF: 50.2/37

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

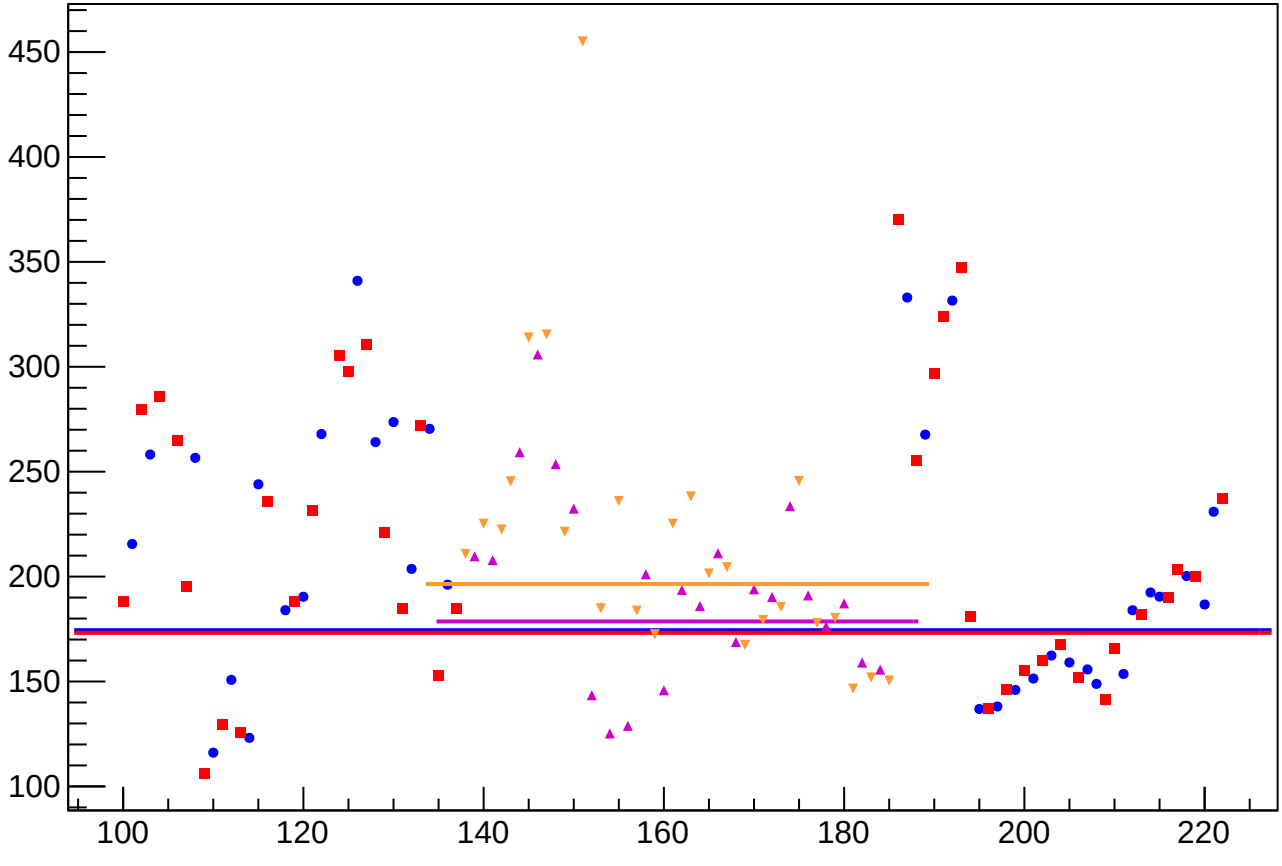
Right: -261.466+/-27.278 χ^2/NDF: 87.7/71

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -107.744+/-29.625 χ^2/NDF:112.6/62

All: -94.714+/-20.693 χ^2/NDF: 194.3/119

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: 173.185+/-0.027 χ^2/NDF: 3235108.5/37

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

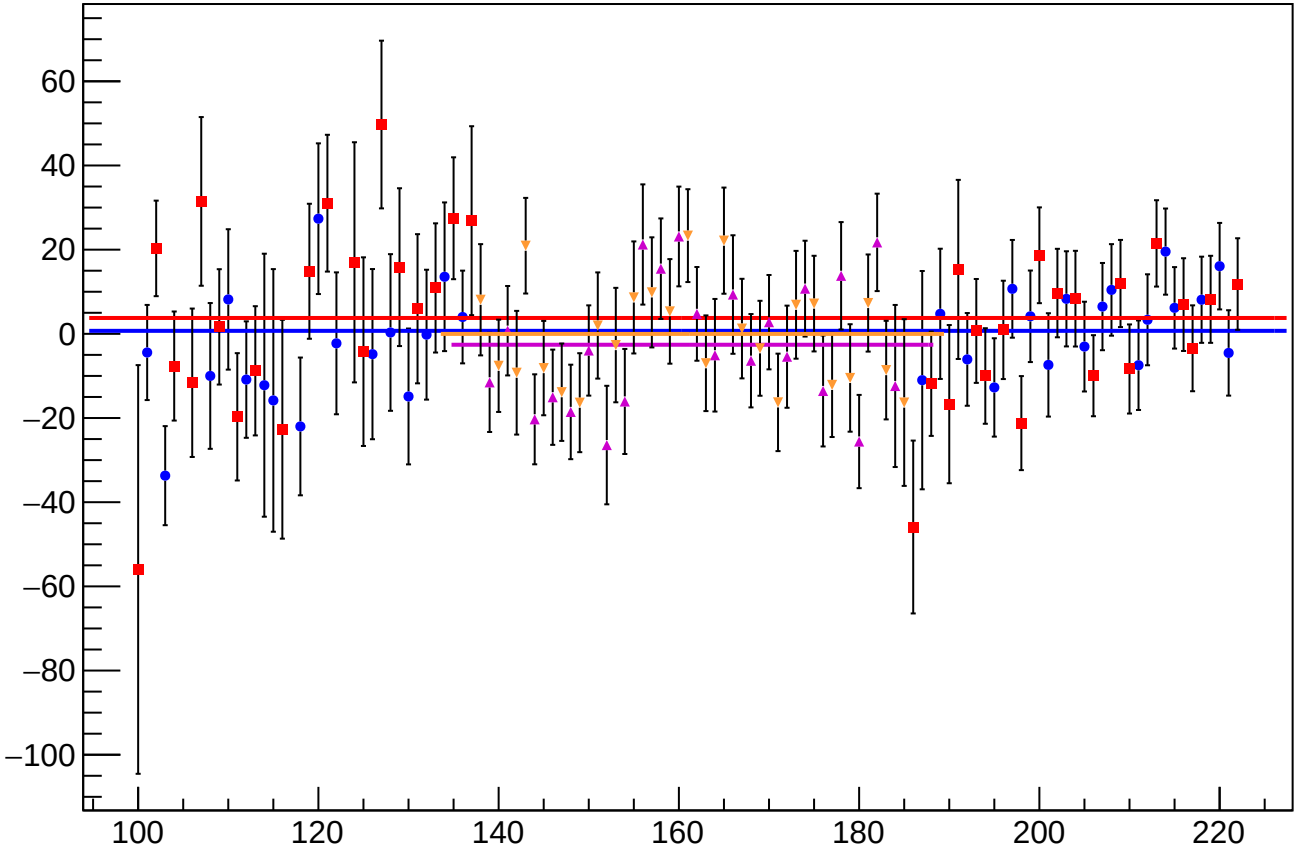
Right: 173.821+/-0.019 χ^2/NDF: 5726629.5/71

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 182.708+/-0.021 χ^2/NDF:5352192.6/62

All: 179.419+/-0.015 χ^2/NDF: 9579807.1/119

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



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: 3.770+/-2.193 χ^2/NDF: 50.5/37

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

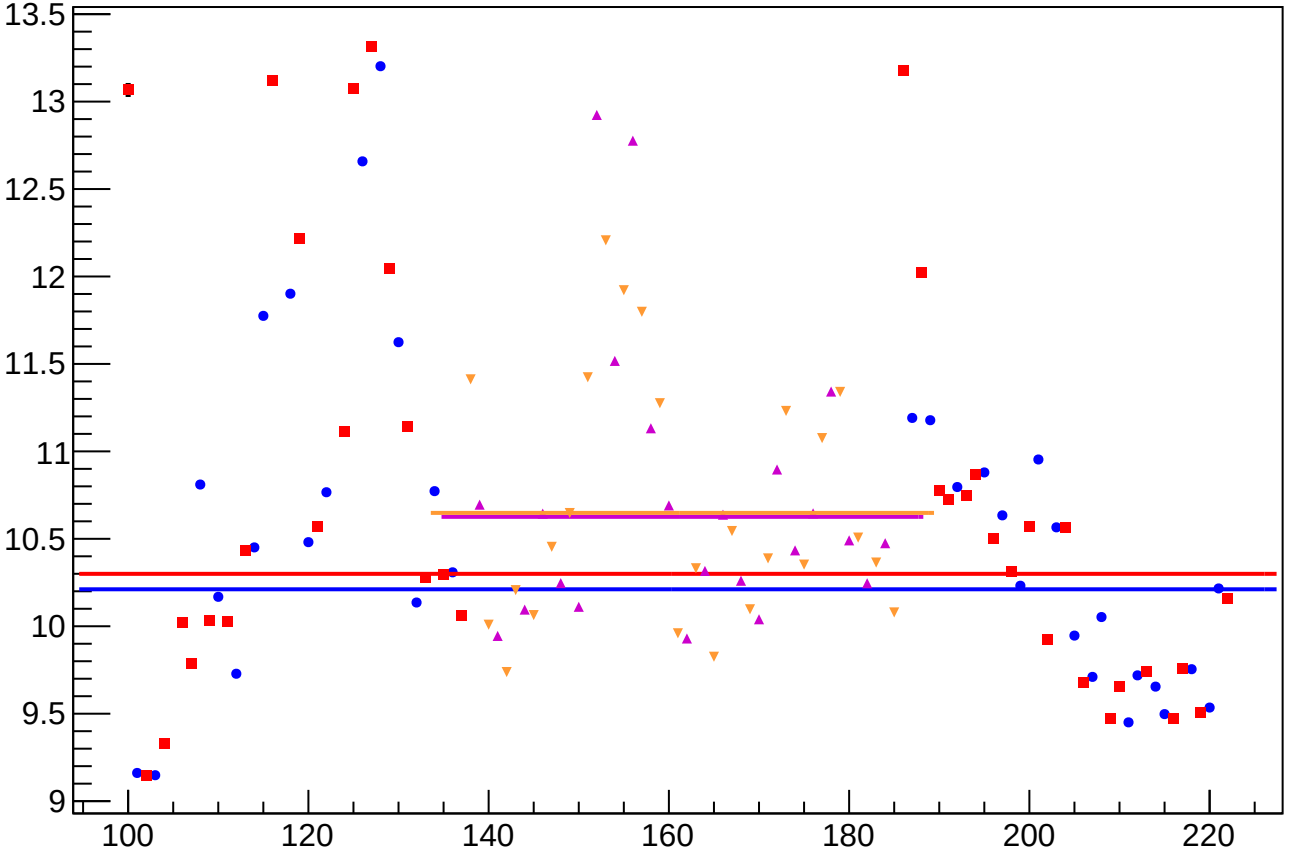
Right: 2.238+/-1.549 χ^2/NDF: 80.1/71

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 2.082+/-1.632 χ^2/NDF:75.6/62

All: 0.696+/-1.160 χ^2/NDF: 141.4/119

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: 10.300+/-0.002 χ^2/NDF: 351364.5/37

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

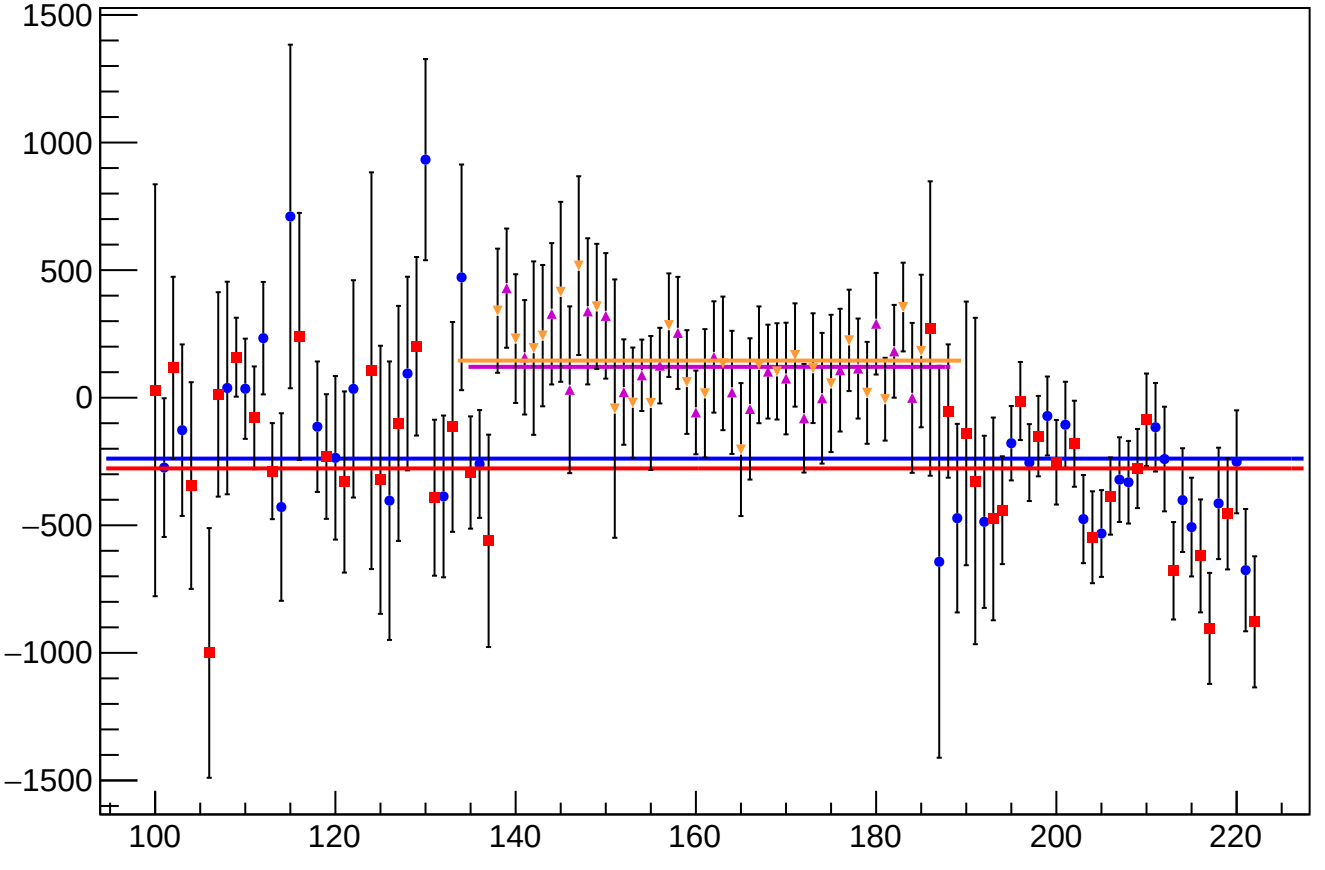
Right: 10.255+/-0.001 χ^2/NDF: 603940.7/71

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.455+/-0.001 χ^2/NDF:517429.6/62

All: 10.423+/-0.001 χ^2/NDF: 960491.2/119

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: -277.137+/-38.650 χ^2/NDF: 48.9/37

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

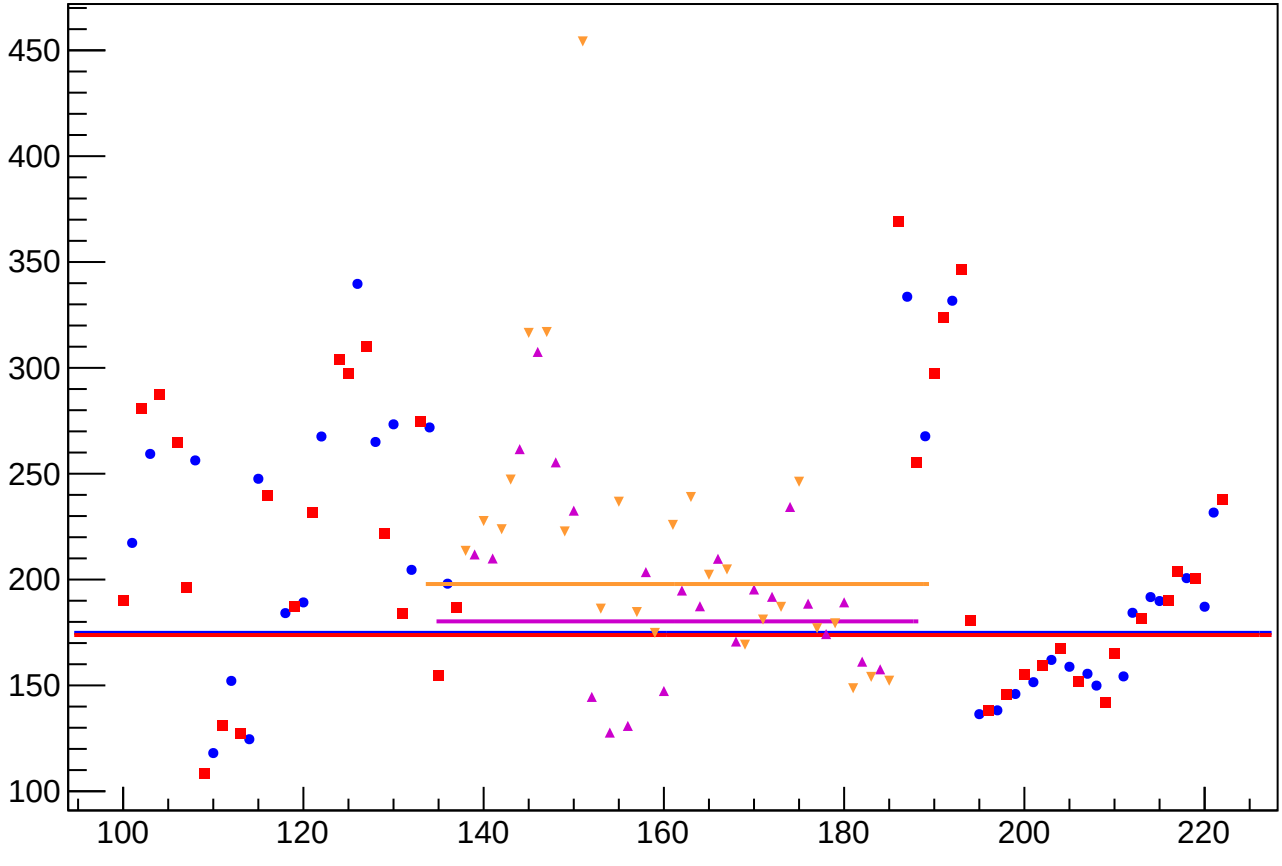
Right: -257.919+/-27.341 χ^2/NDF: 87.6/71

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -104.929+/-29.753 χ^2/NDF:107.9/62

All: -93.141+/-20.785 χ^2/NDF: 192.3/119

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: 173.799+/-0.027 χ^2/NDF: 3181039.7/37

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

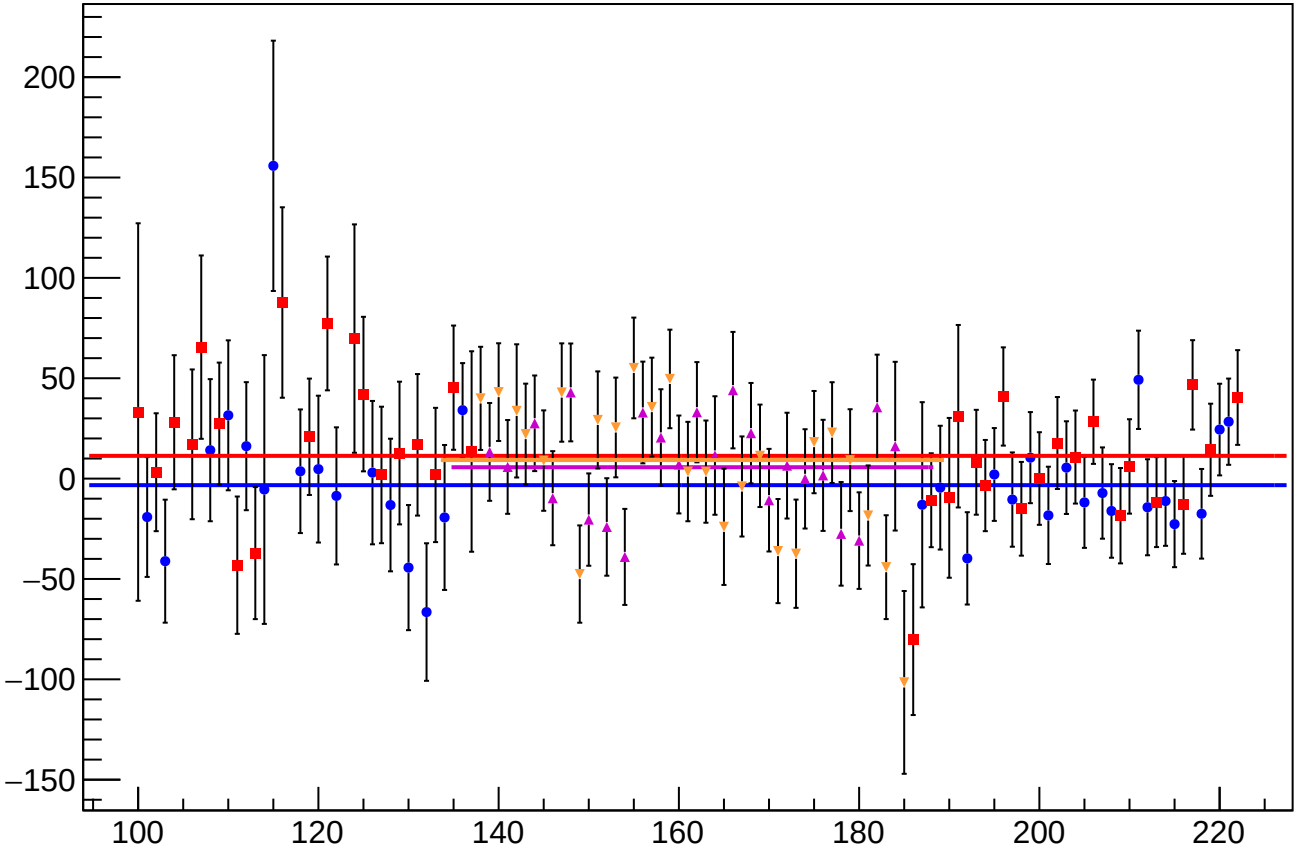
Right: 174.309+/-0.019 χ^2/NDF: 5661328.1/71

In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 183.614+/-0.021 χ^2/NDF:5286465.7/62

All: 180.323+/-0.015 χ^2/NDF: 9458805.9/119

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: 11.338+/-4.664 χ^2/NDF: 35.7/37

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

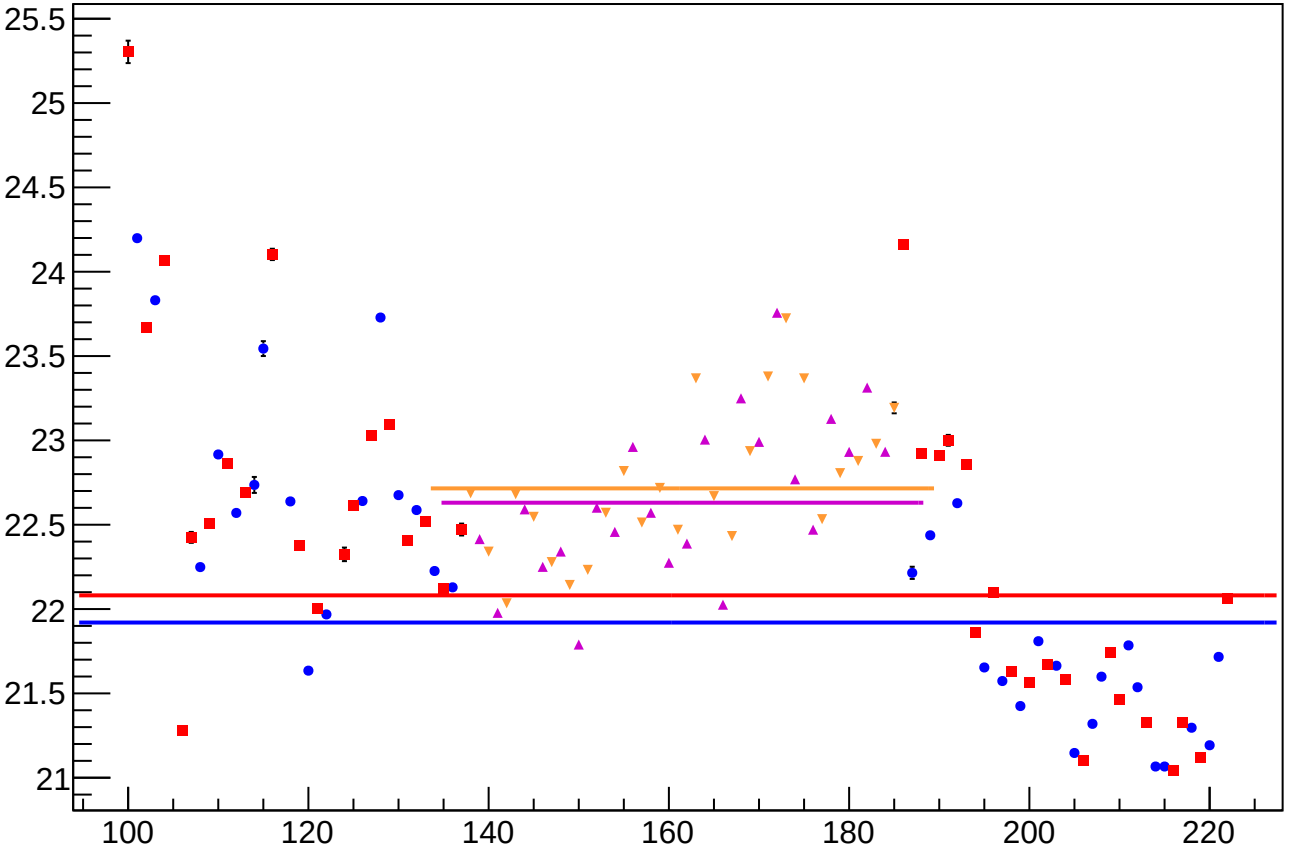
Right: 4.036+/-3.299 χ^2/NDF: 72.4/71

In: 0.643+/-3.498 χ^2/NDF:54.2/56

Out: 10.392+/-3.461 χ^2/NDF:75.2/62

All: 5.570+/-2.460 χ^2/NDF: 133.3/119

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: 22.081+/-0.003 χ^2/NDF: 60031.4/37

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

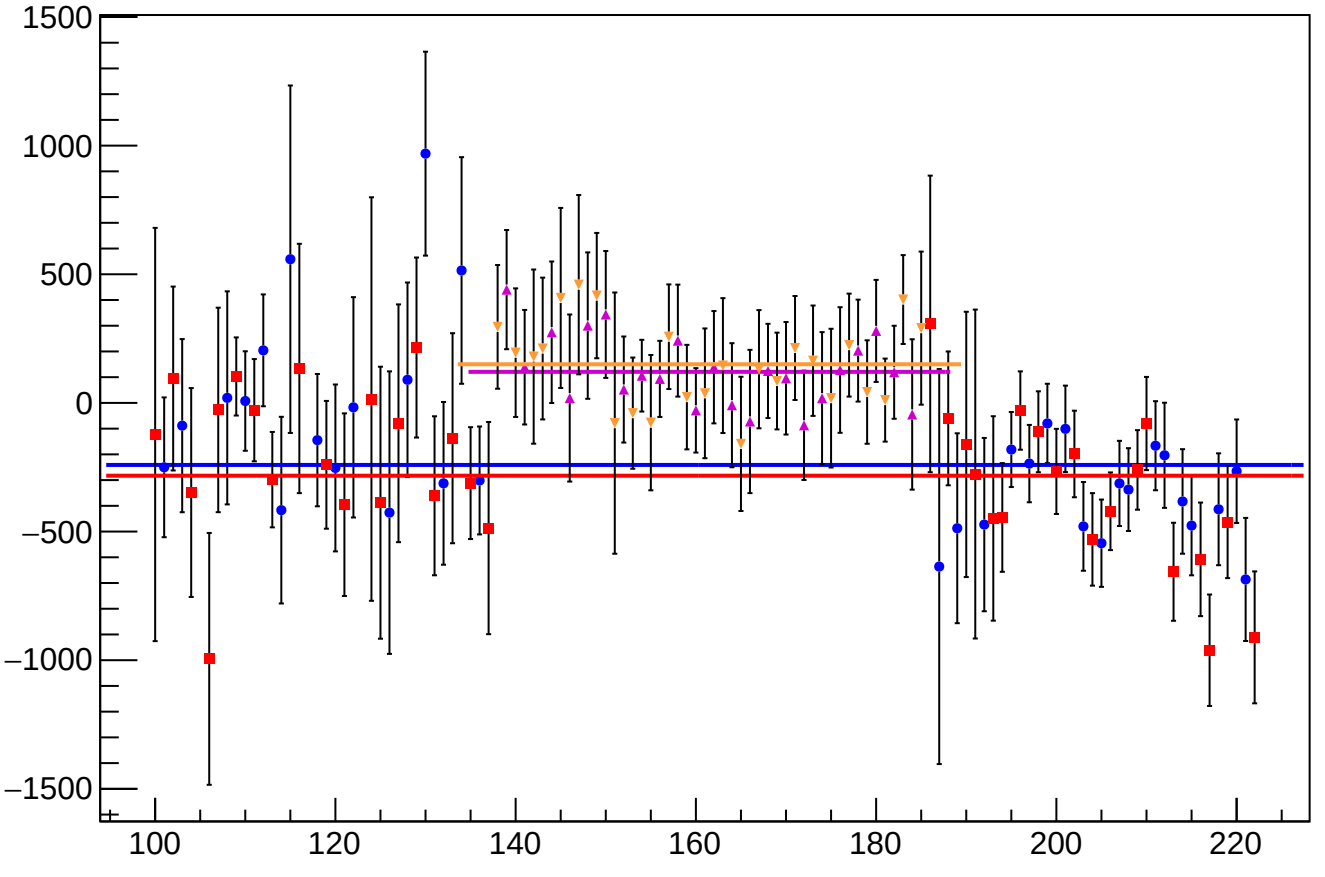
Right: 22.001+/-0.002 χ^2/NDF: 114014.9/71

In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.366+/-0.002 χ^2/NDF:88834.9/62

All: 22.299+/-0.002 χ^2/NDF: 178826.9/119

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: -282.882+/-38.499 χ^2/NDF: 48.9/37

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

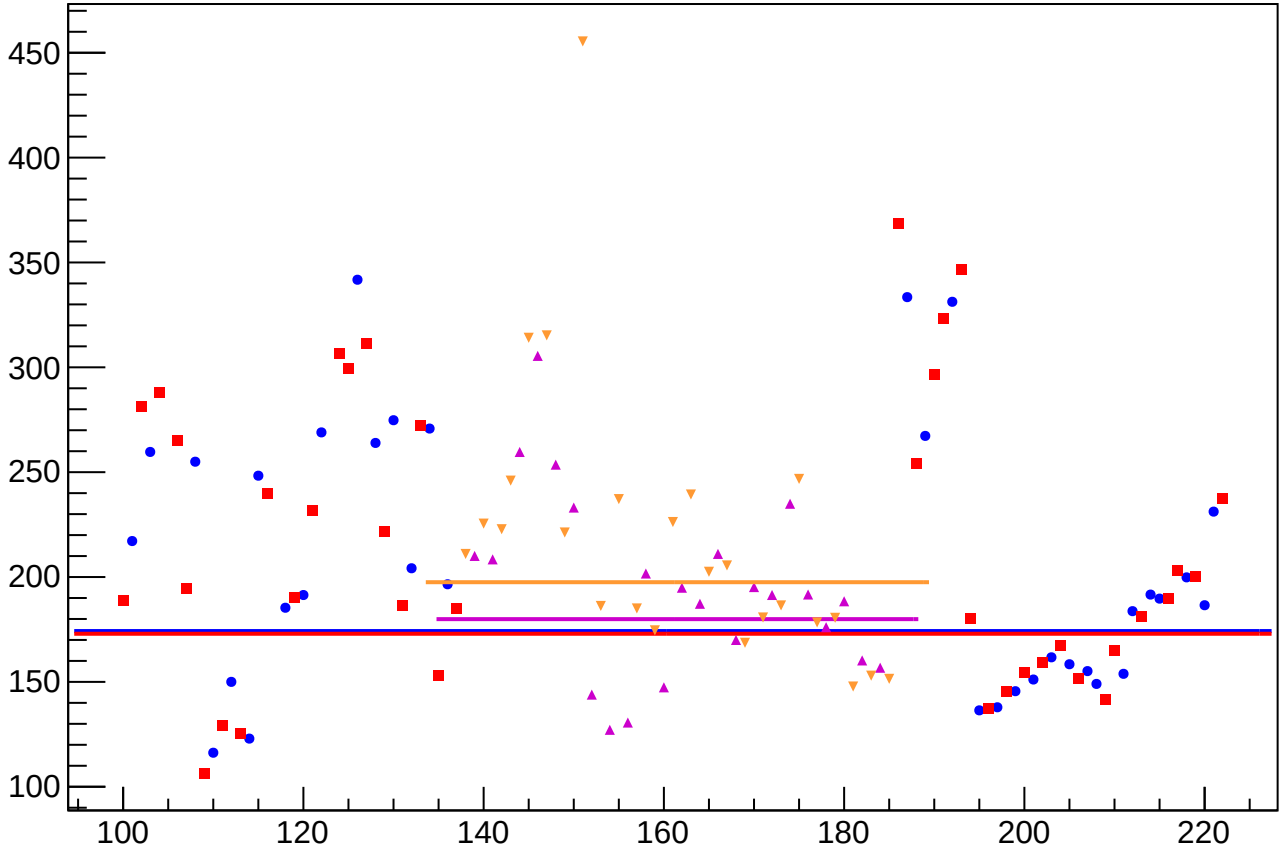
Right: -262.025+/-27.248 χ^2/NDF: 86.4/71

In: -83.537+/-28.981 χ^2/NDF:83.1/56

Out: -106.900+/-29.663 χ^2/NDF:111.3/62

All: -94.947+/-20.730 χ^2/NDF: 194.7/119

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: 172.951+/-0.027 χ^2/NDF: 3257125.4/37

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

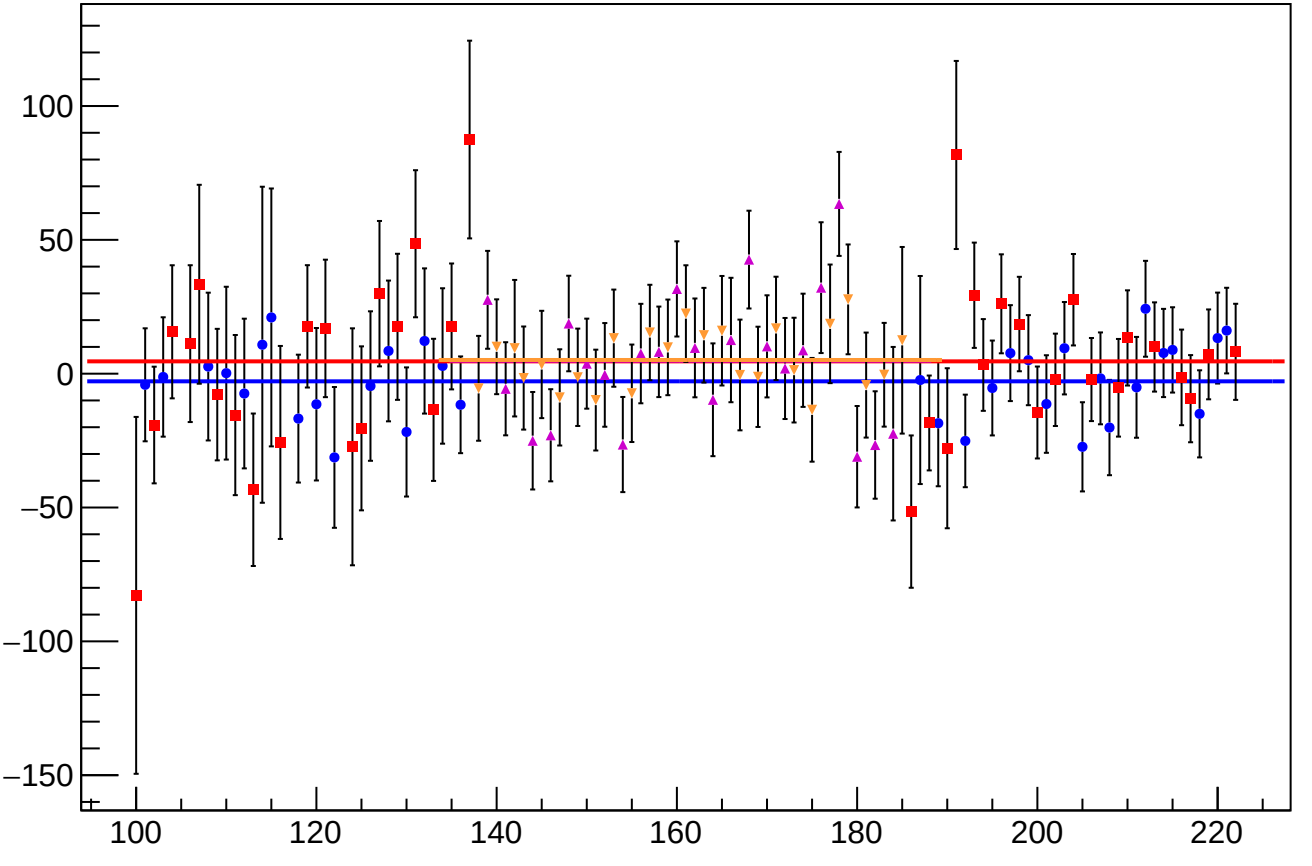
Right: 173.594+/-0.019 χ^2/NDF: 5771078.0/71

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 182.940+/-0.021 χ^2/NDF:5378366.4/62

All: 179.755+/-0.015 χ^2/NDF: 9579330.4/119

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: 4.603+/-3.542 χ^2/NDF: 39.3/37

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

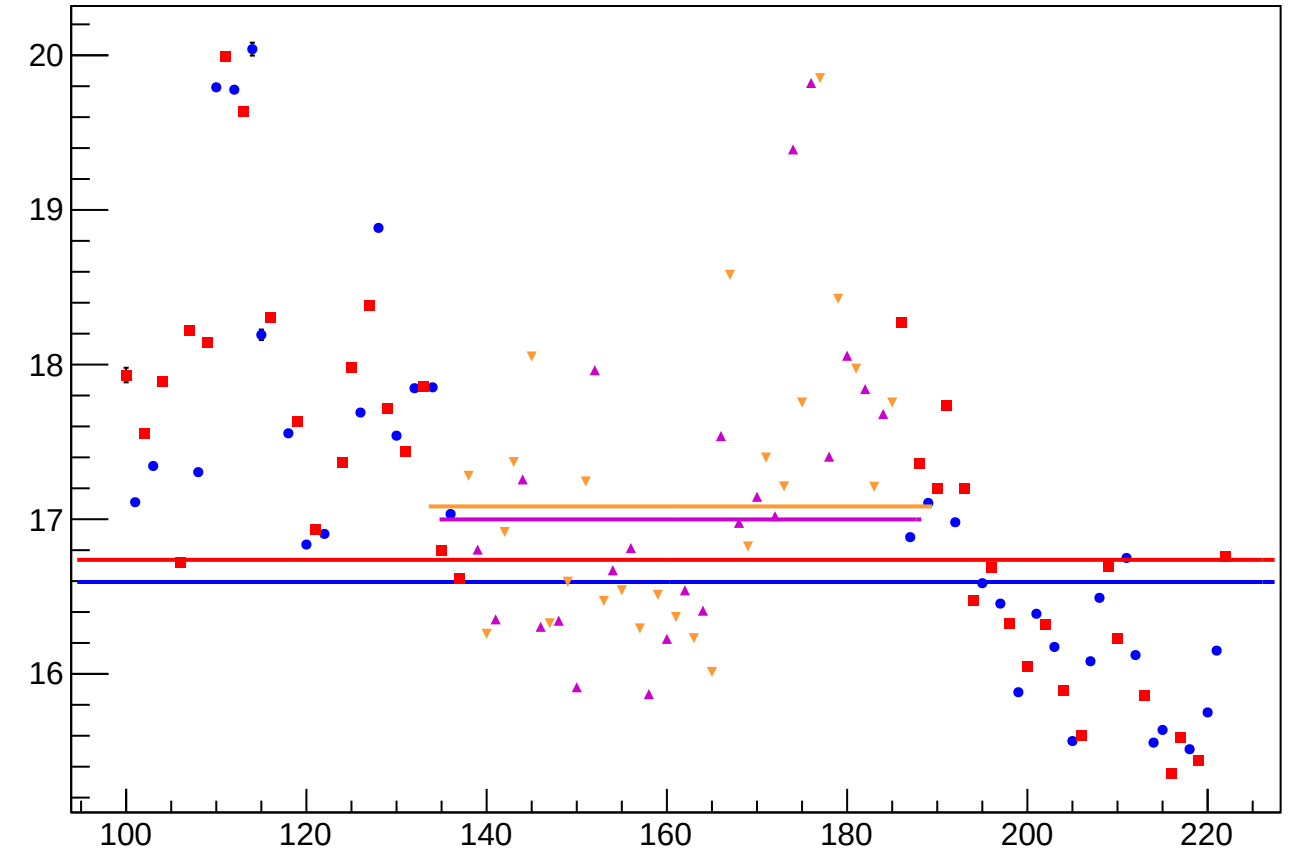
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: 0.870+/-2.503 χ^2/NDF: 57.5/71

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.837+/-2.619 χ^2/NDF:47.2/62

All: 2.714+/-1.861 χ^2/NDF: 102.2/119



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: 161399.1/37

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

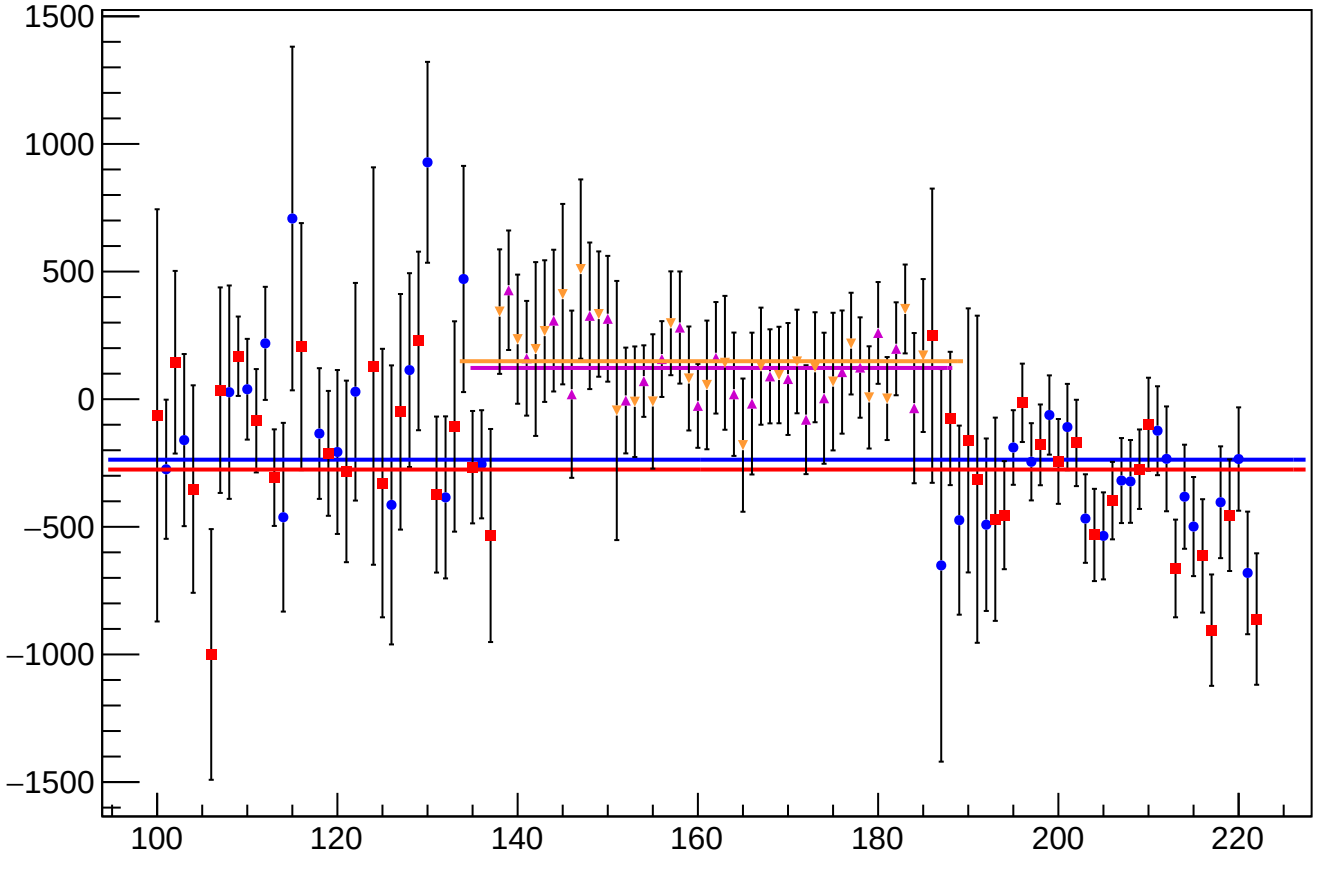
Right: 16.666+/-0.002 χ^2/NDF: 305233.1/71

In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.894+/-0.002 χ^2/NDF:266797.2/62

All: 16.834+/-0.001 χ^2/NDF: 526675.5/119

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: -275.605+/-38.765 χ^2/NDF: 47.9/37

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

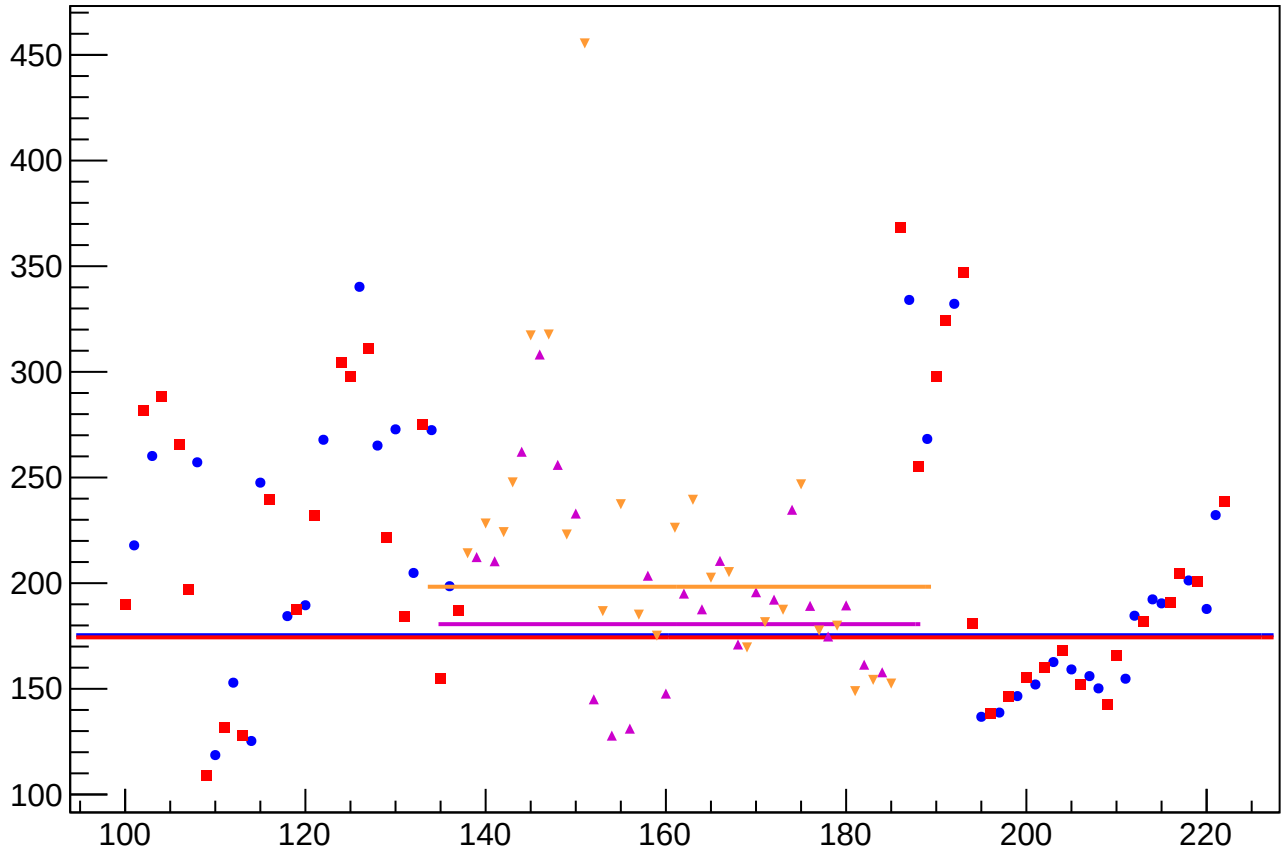
Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

Right: -256.296+/-27.422 χ^2/NDF: 85.8/71

In: -80.104+/-29.124 χ^2/NDF:82.7/56

Out: -102.549+/-29.831 χ^2/NDF:106.3/62

All: -91.057+/-20.839 χ^2/NDF: 189.3/119



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: 174.353+/-0.027 χ^2/NDF: 3161975.9/37

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

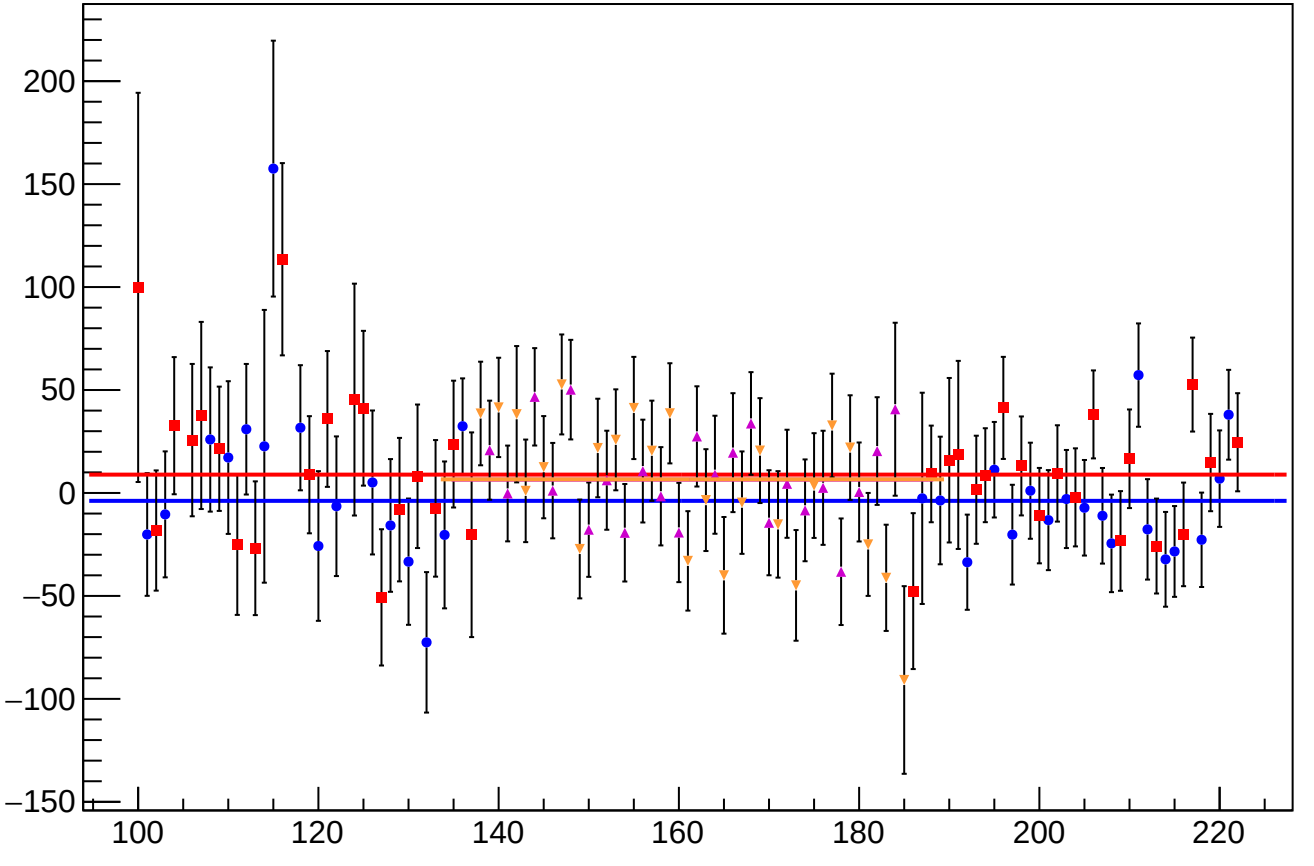
Right: 174.864+/-0.019 χ^2/NDF: 5629070.4/71

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 184.124+/-0.021 χ^2/NDF:5263850.6/62

All: 180.813+/-0.015 χ^2/NDF: 9422297.2/119

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: 8.909+/-4.700 χ^2/NDF: 33.0/37

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

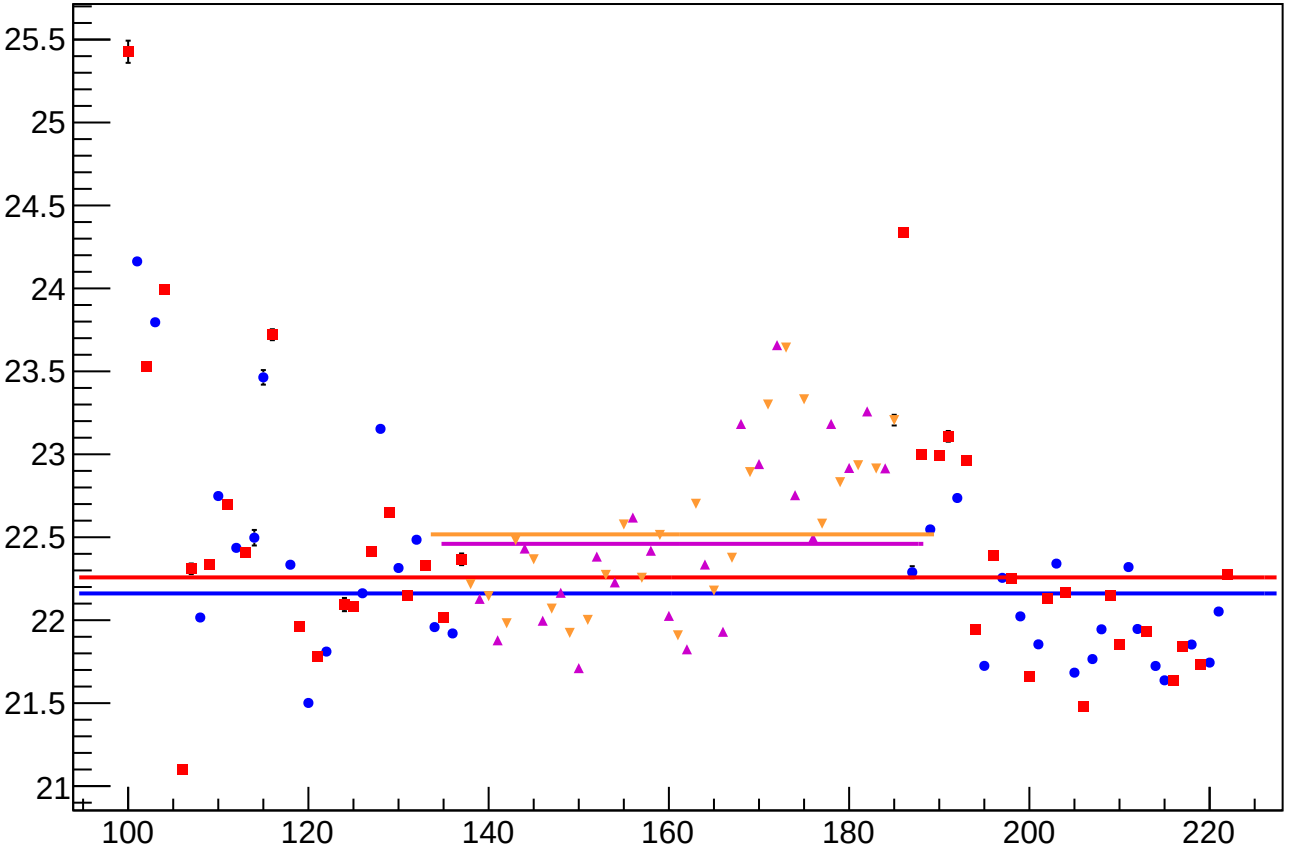
Right: 2.561+/-3.329 χ^2/NDF: 73.0/71

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.857+/-3.462 χ^2/NDF:70.0/62

All: 4.364+/-2.464 χ^2/NDF: 128.0/119

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: 22.258+/-0.003 χ^2/NDF: 36188.7/37

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

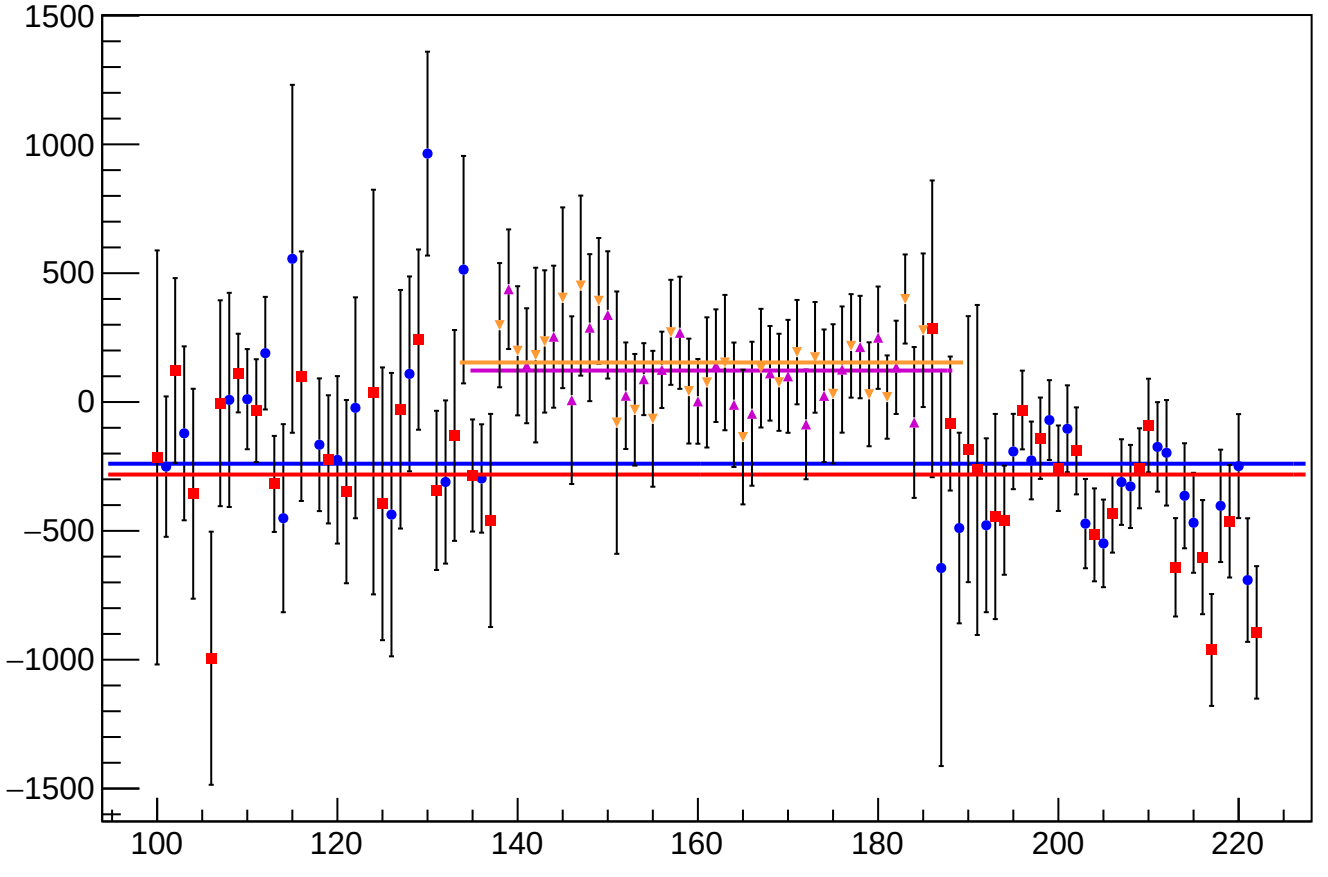
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.210+/-0.002 χ^2/NDF: 63831.3/71

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.377+/-0.002 χ^2/NDF:54978.8/62

All: 22.336+/-0.002 χ^2/NDF: 105459.1/119



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: -281.385+/-38.614 χ^2/NDF: 47.9/37

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

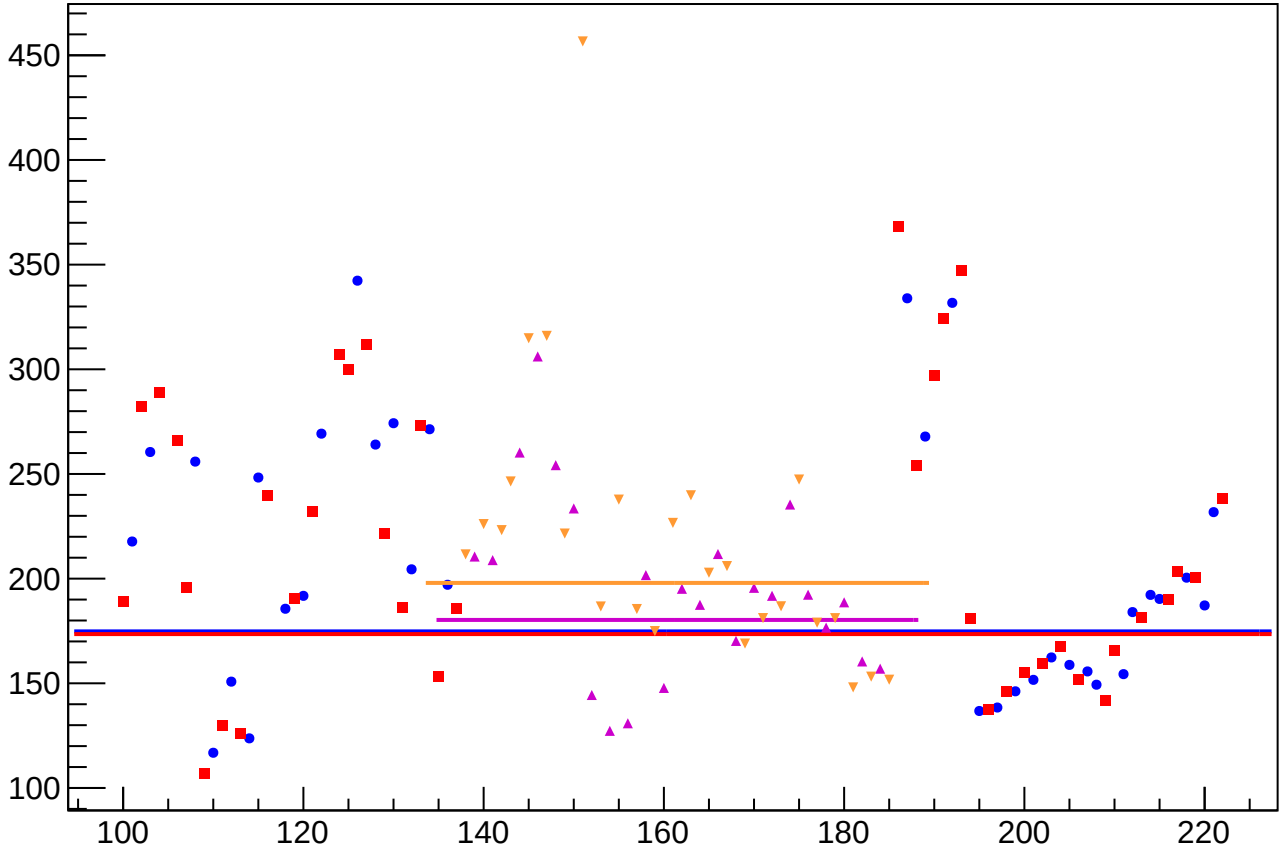
Right: -260.430+/-27.330 χ^2/NDF: 84.6/71

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -104.501+/-29.742 χ^2/NDF:109.5/62

All: -92.874+/-20.784 χ^2/NDF: 191.5/119

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: 173.510+/-0.027 χ^2/NDF: 3237103.4/37

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

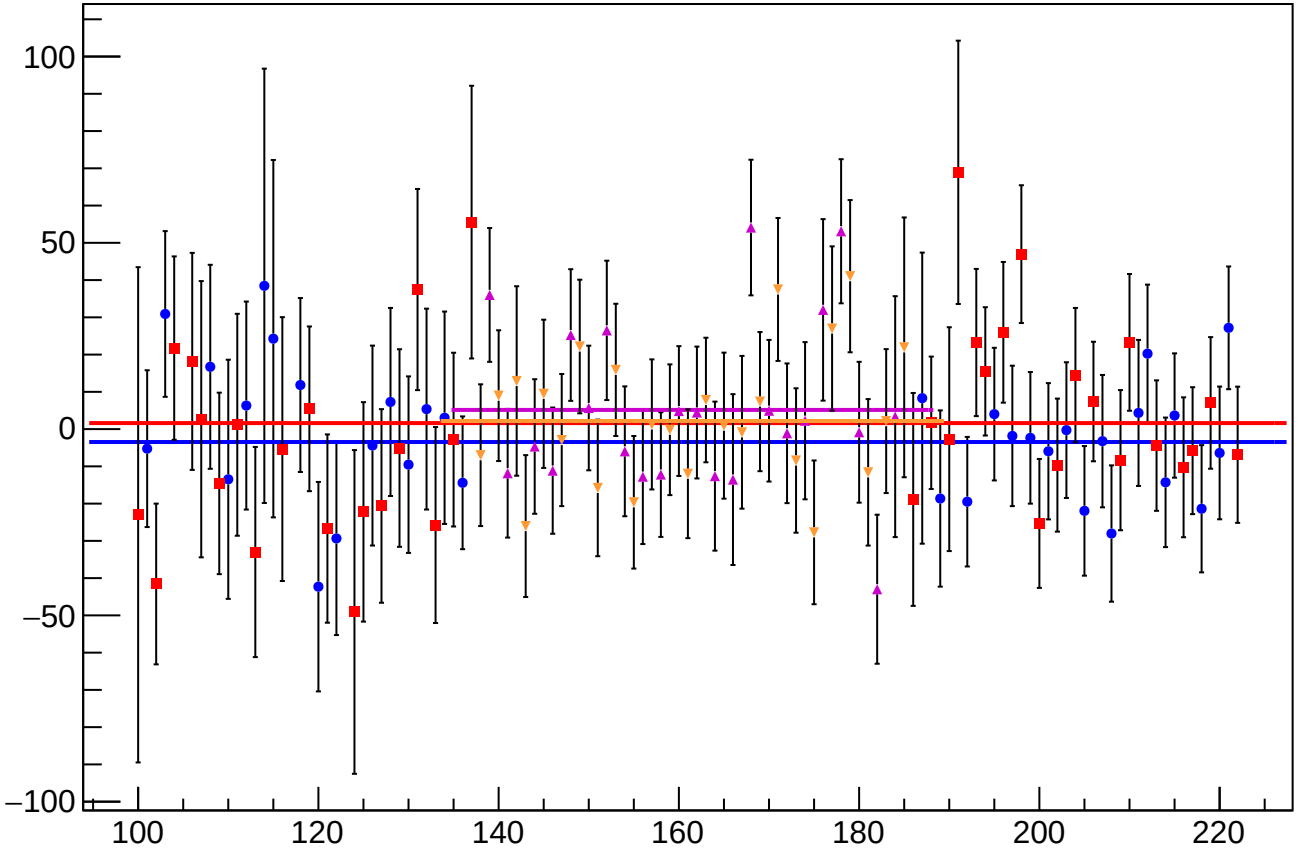
Right: 174.154+/-0.019 χ^2/NDF: 5737330.3/71

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 183.454+/-0.021 χ^2/NDF:5354511.8/62

All: 180.247+/-0.015 χ^2/NDF: 9541214.7/119

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: 1.618+/-3.596 χ^2/NDF: 36.1/37

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

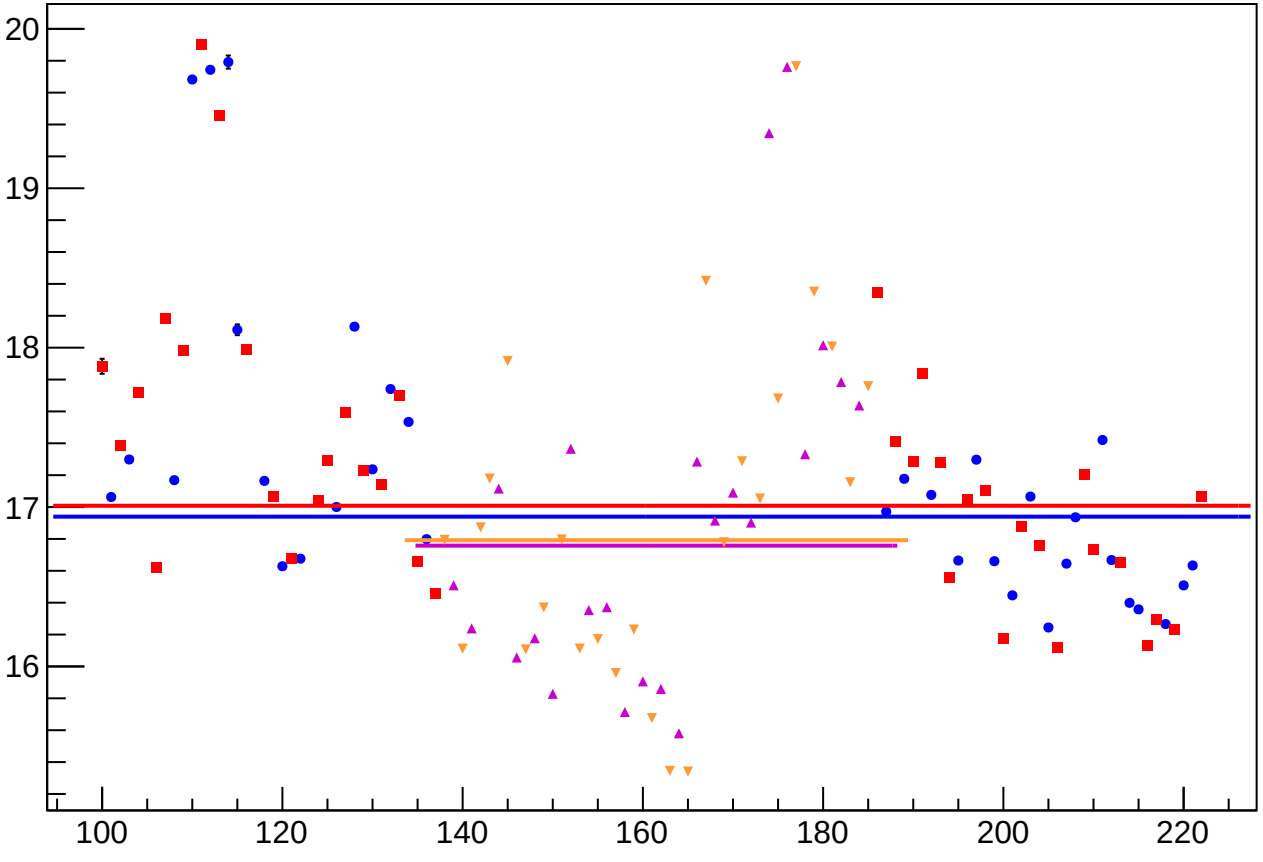
Right: -0.915+/-2.547 χ^2/NDF: 56.7/71

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 1.879+/-2.620 χ^2/NDF:56.1/62

All: 1.190+/-1.865 χ^2/NDF: 110.7/119

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: 17.008+/-0.003 χ^2/NDF: 80678.5/37

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

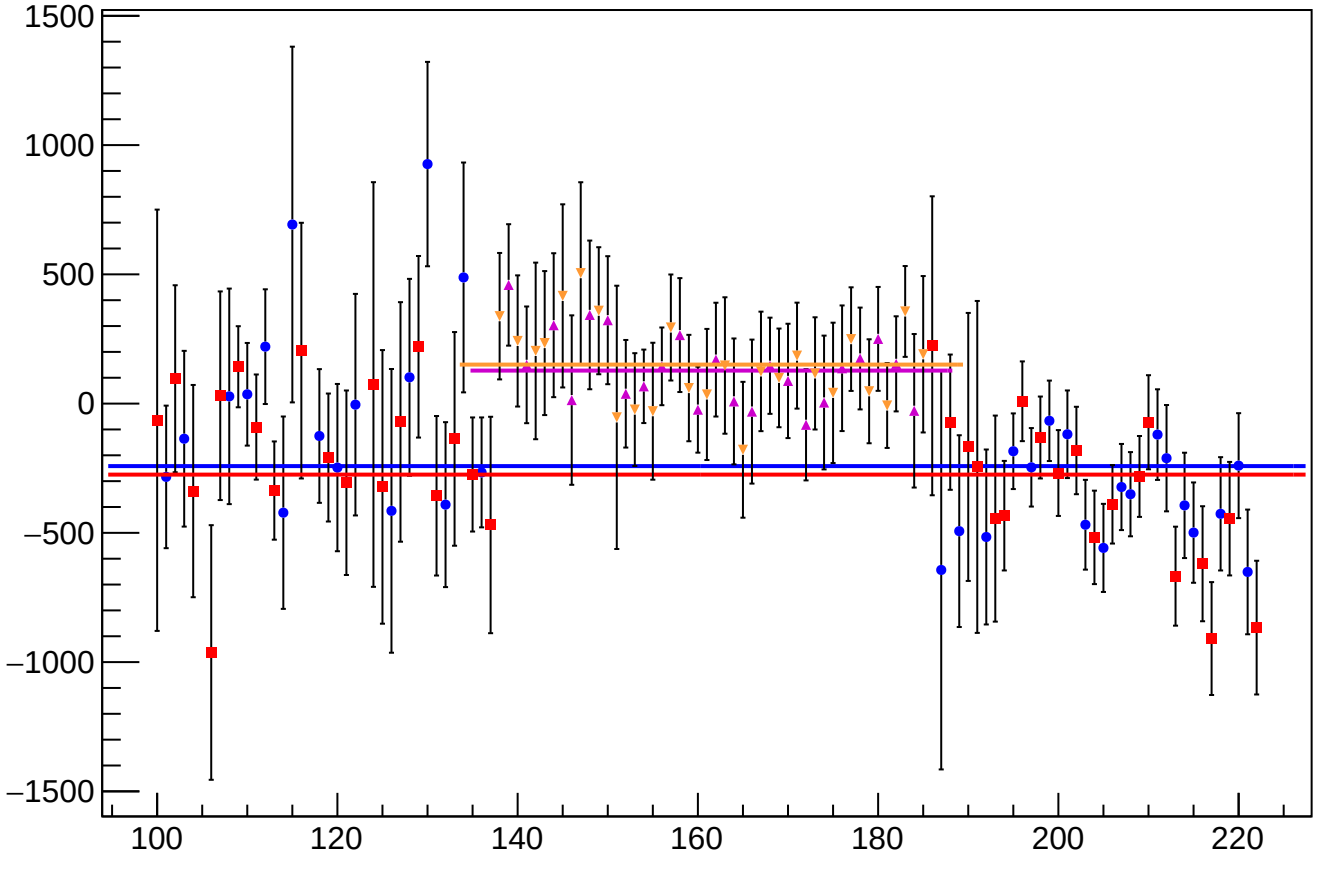
Right: 16.974+/-0.002 χ^2/NDF: 149017.0/71

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.907+/-0.002 χ^2/NDF:221066.7/62

All: 16.882+/-0.001 χ^2/NDF: 415044.6/119

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: -274.707+/-38.887 χ^2/NDF: 46.6/37

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

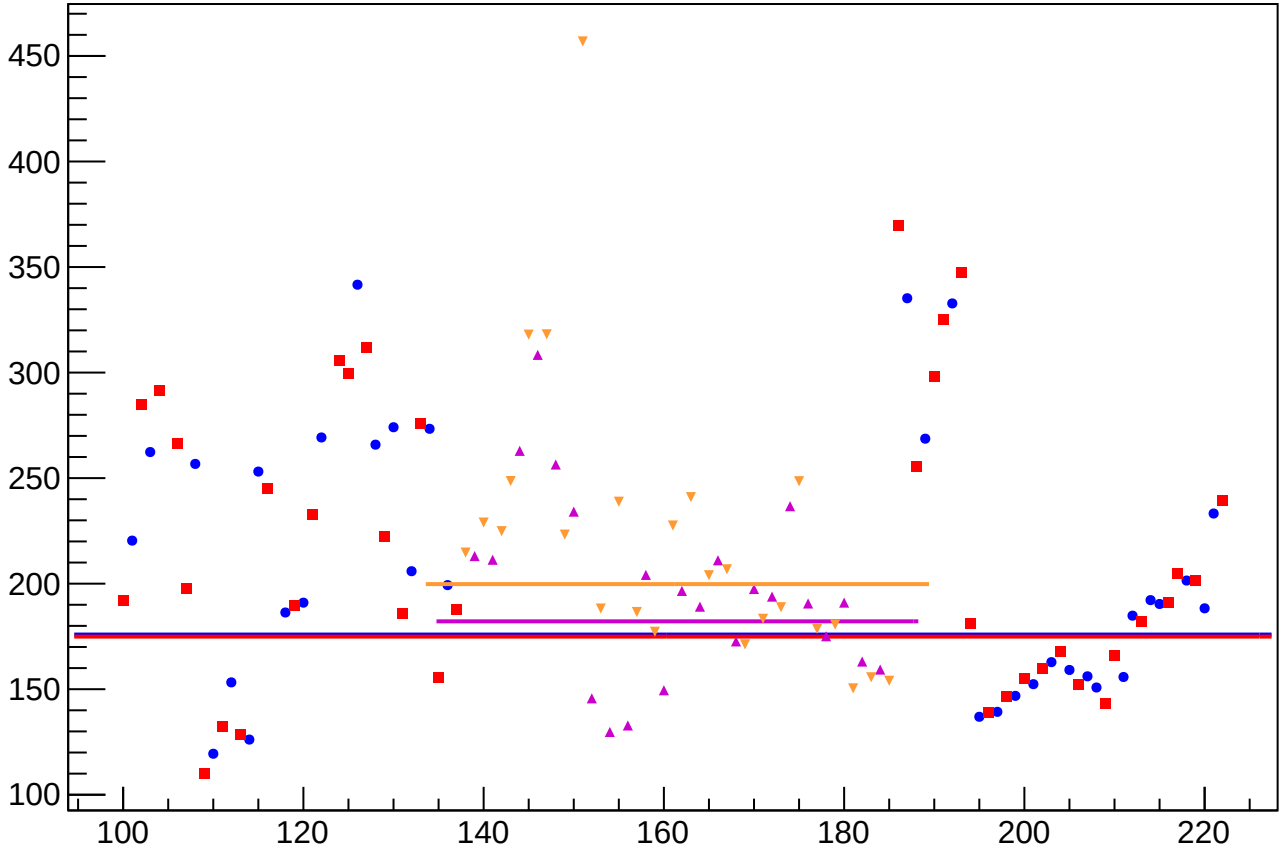
Right: -258.254+/-27.506 χ^2/NDF: 84.6/71

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -101.911+/-29.970 χ^2/NDF:105.2/62

All: -91.404+/-20.941 χ^2/NDF: 190.0/119

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: 174.922+/-0.027 χ^2/NDF: 3164314.8/37

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

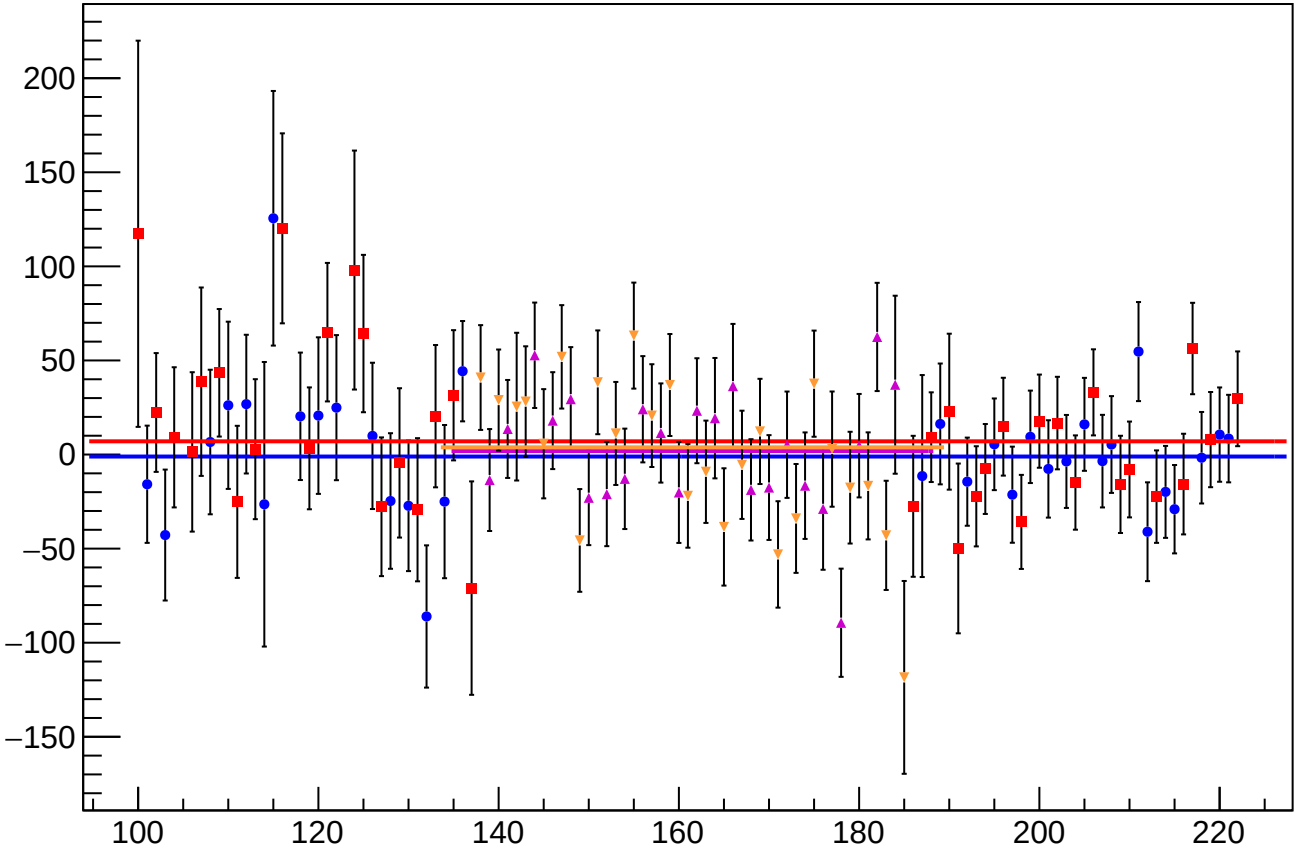
Right: 175.403+/-0.019 χ^2/NDF: 5638007.9/71

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 185.017+/-0.021 χ^2/NDF:5256576.3/62

All: 181.735+/-0.015 χ^2/NDF: 9383387.9/119

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: 7.022+/-5.044 χ^2/NDF: 37.3/37

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

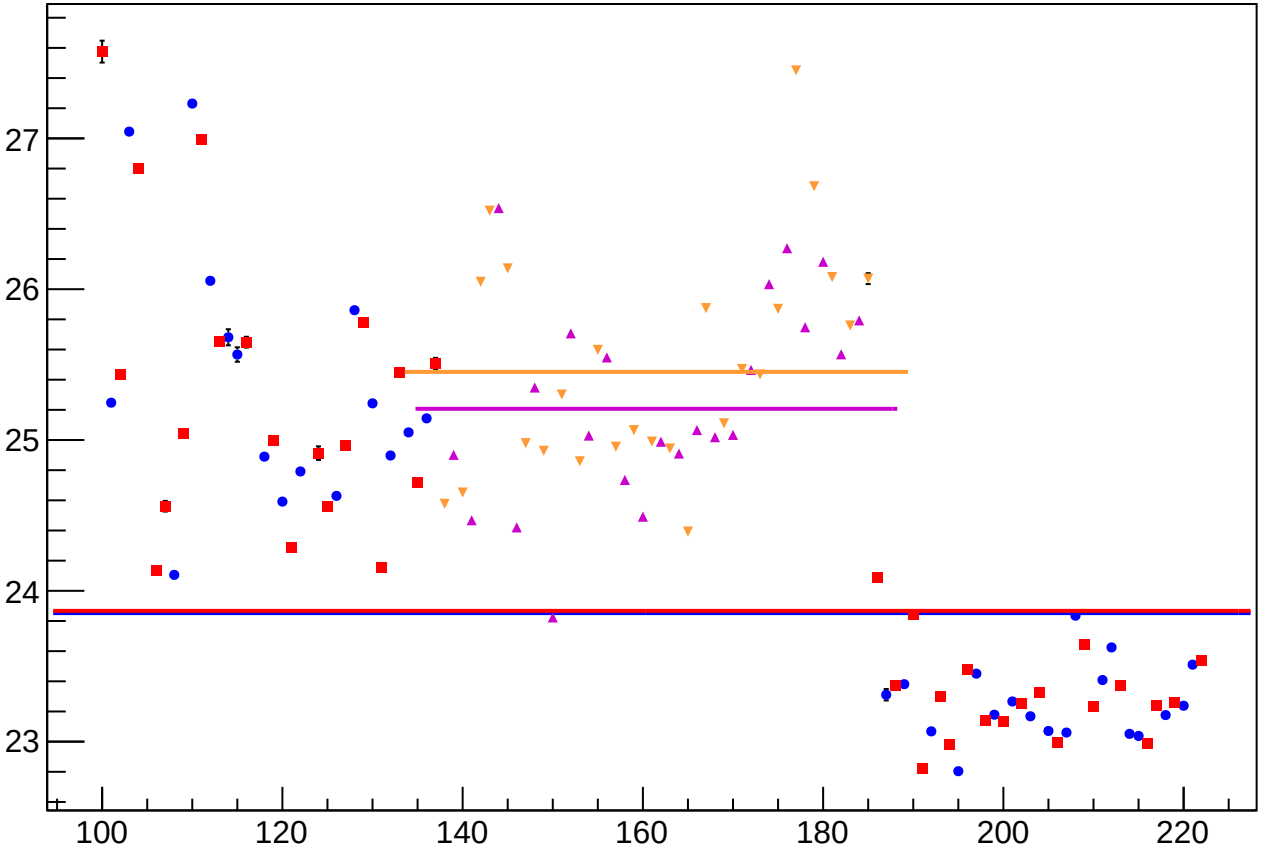
Right: 3.009+/-3.580 χ^2/NDF: 66.7/71

In: 0.179+/-3.848 χ^2/NDF:56.4/56

Out: 5.645+/-3.803 χ^2/NDF:75.1/62

All: 2.944+/-2.705 χ^2/NDF: 132.4/119

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: 23.867+/-0.004 χ^2/NDF: 80397.6/37

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

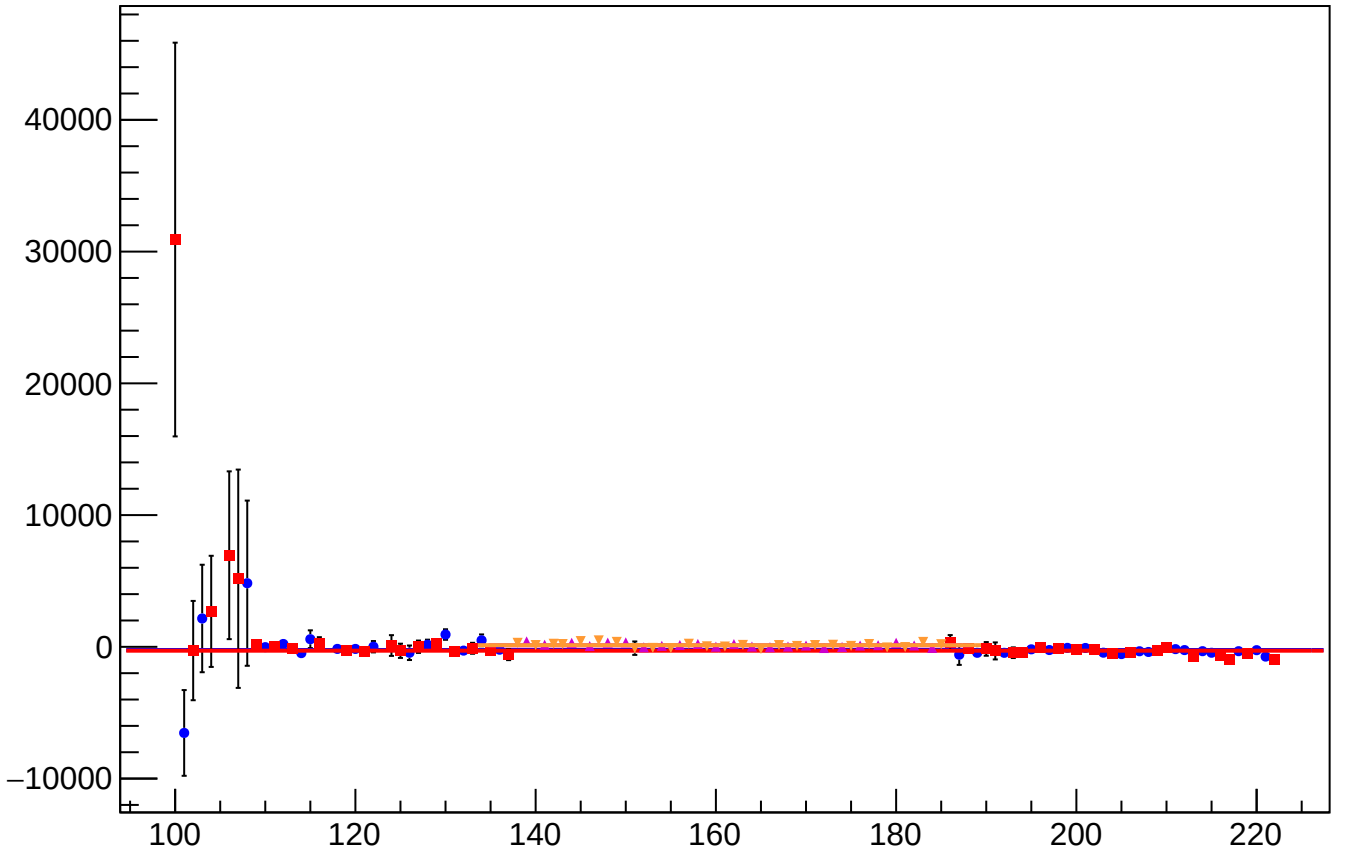
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.860+/-0.003 χ^2/NDF: 168056.5/71

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.551+/-0.003 χ^2/NDF:195206.7/62

All: 24.491+/-0.002 χ^2/NDF: 370294.5/119



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: -291.944+/-40.862 χ^2/NDF: 52.7/37

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

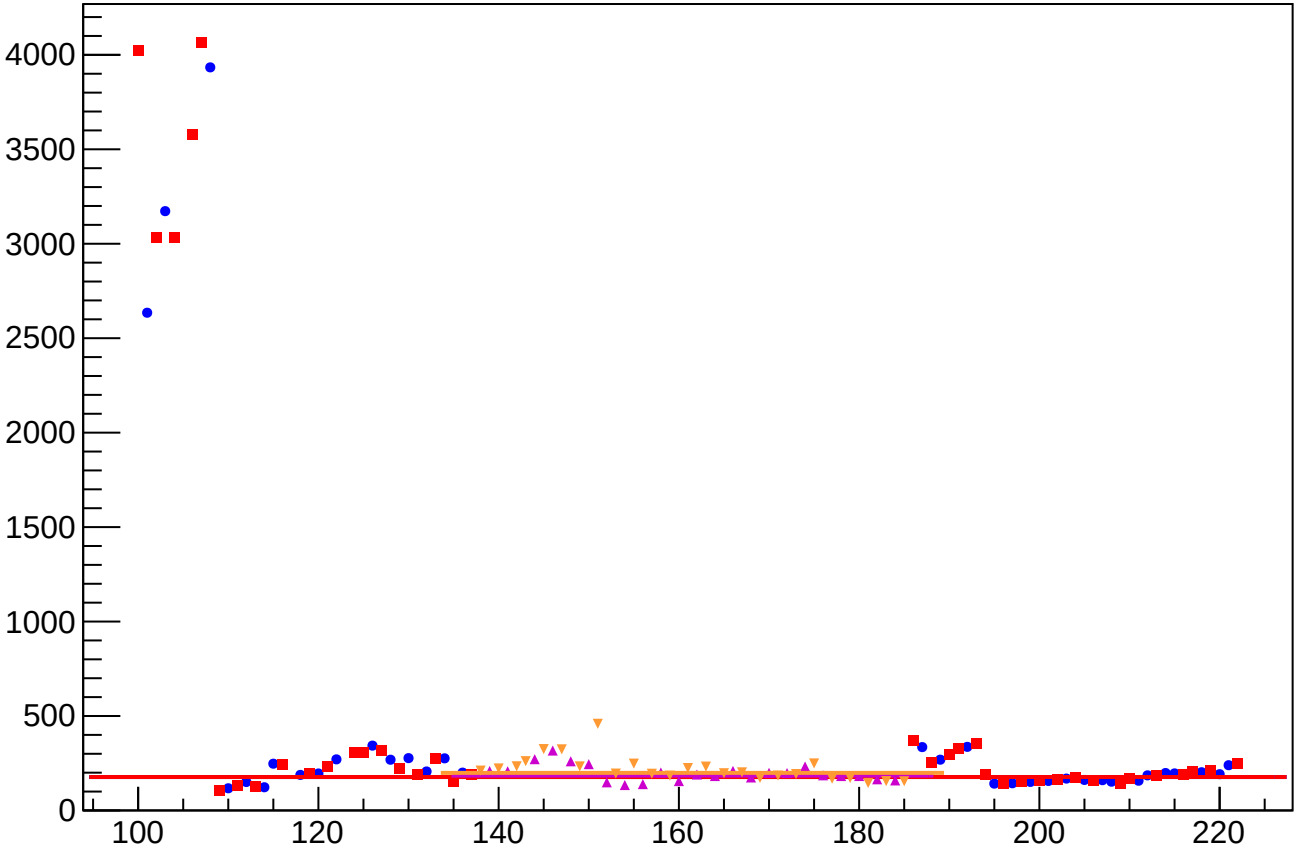
Right: -265.992+/-28.741 χ^2/NDF: 93.1/71

In: -80.219+/-30.037 χ^2/NDF:82.6/56

Out: -112.063+/-30.816 χ^2/NDF:108.8/62

All: -95.734+/-21.510 χ^2/NDF: 191.9/119

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: 176.943+/-0.029 χ^2/NDF: 5838932.1/37

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

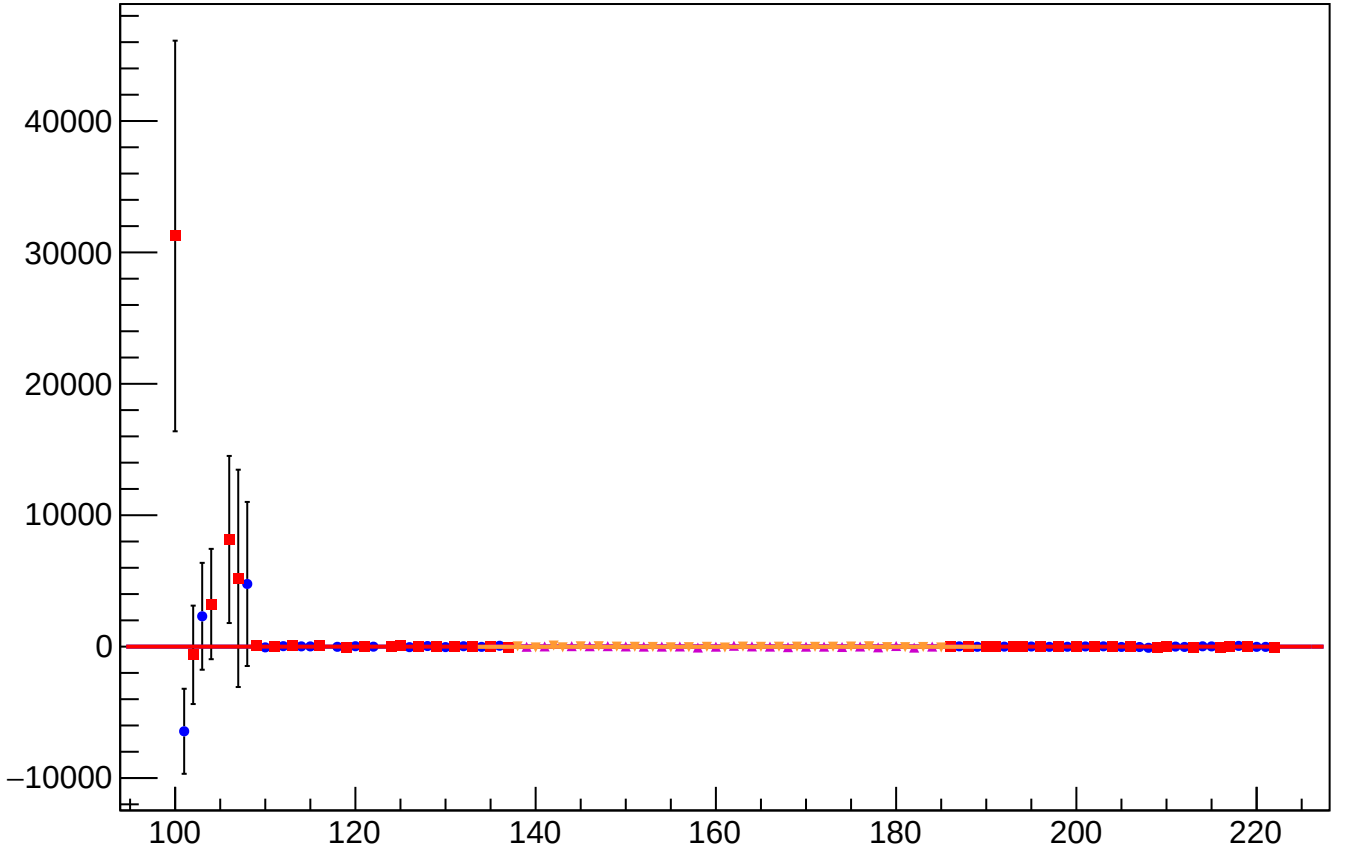
Right: 176.952+/-0.020 χ^2/NDF: 10954416.6/71

In: 180.293+/-0.021 χ^2/NDF:6592126.5/56

Out: 186.453+/-0.022 χ^2/NDF:7992256.8/62

All: 183.294+/-0.015 χ^2/NDF: 14625358.2/1

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.436+/-6.088 χ^2/NDF: 35.0/33

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -0.204+/-6.136 χ^2/NDF: 47.7/37

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

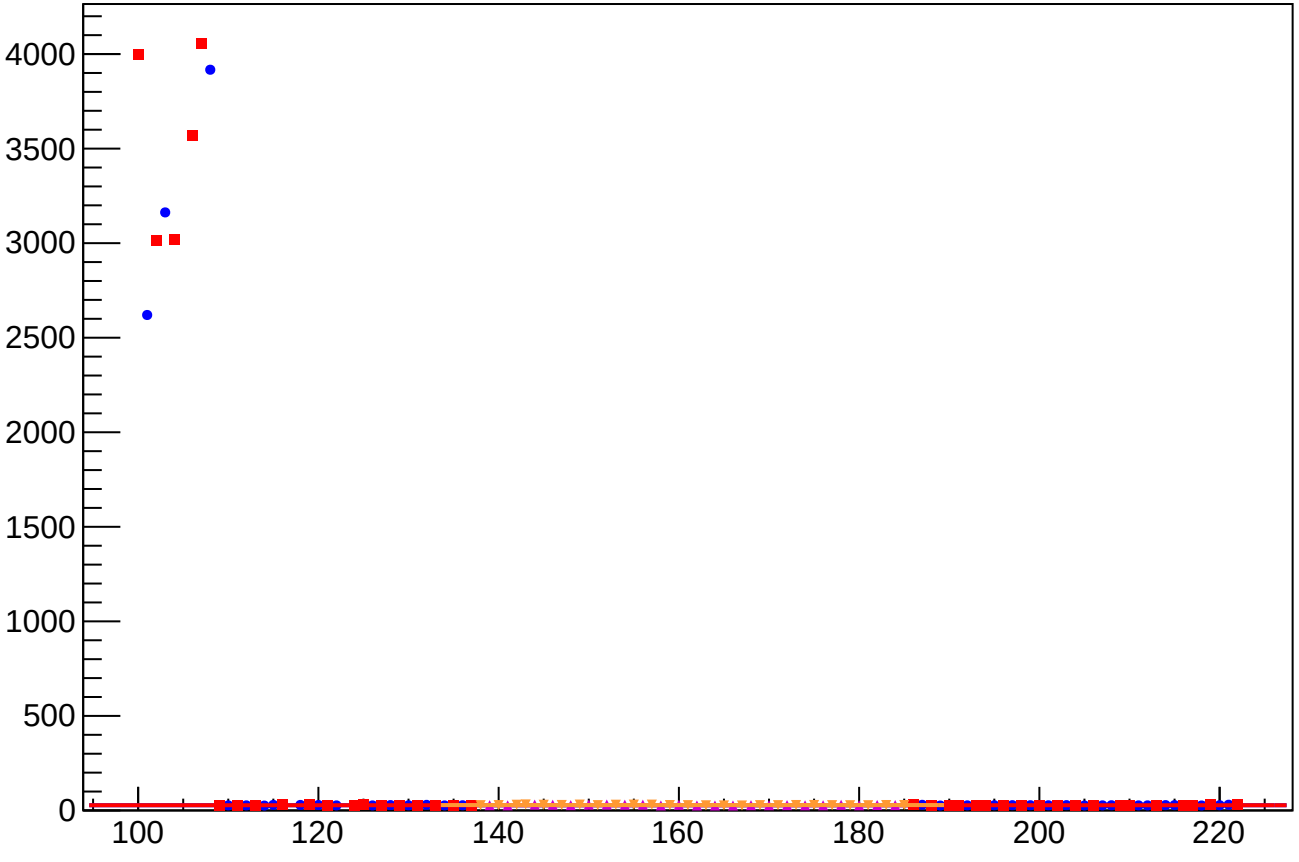
Right: -0.321+/-4.322 χ^2/NDF: 82.7/71

In: 0.743+/-4.507 χ^2/NDF:63.3/56

Out: -7.082+/-4.466 χ^2/NDF:72.7/62

All: -3.205+/-3.172 χ^2/NDF: 137.5/119

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: 27.616+/-0.004 χ^2/NDF: 3666835.2/37

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

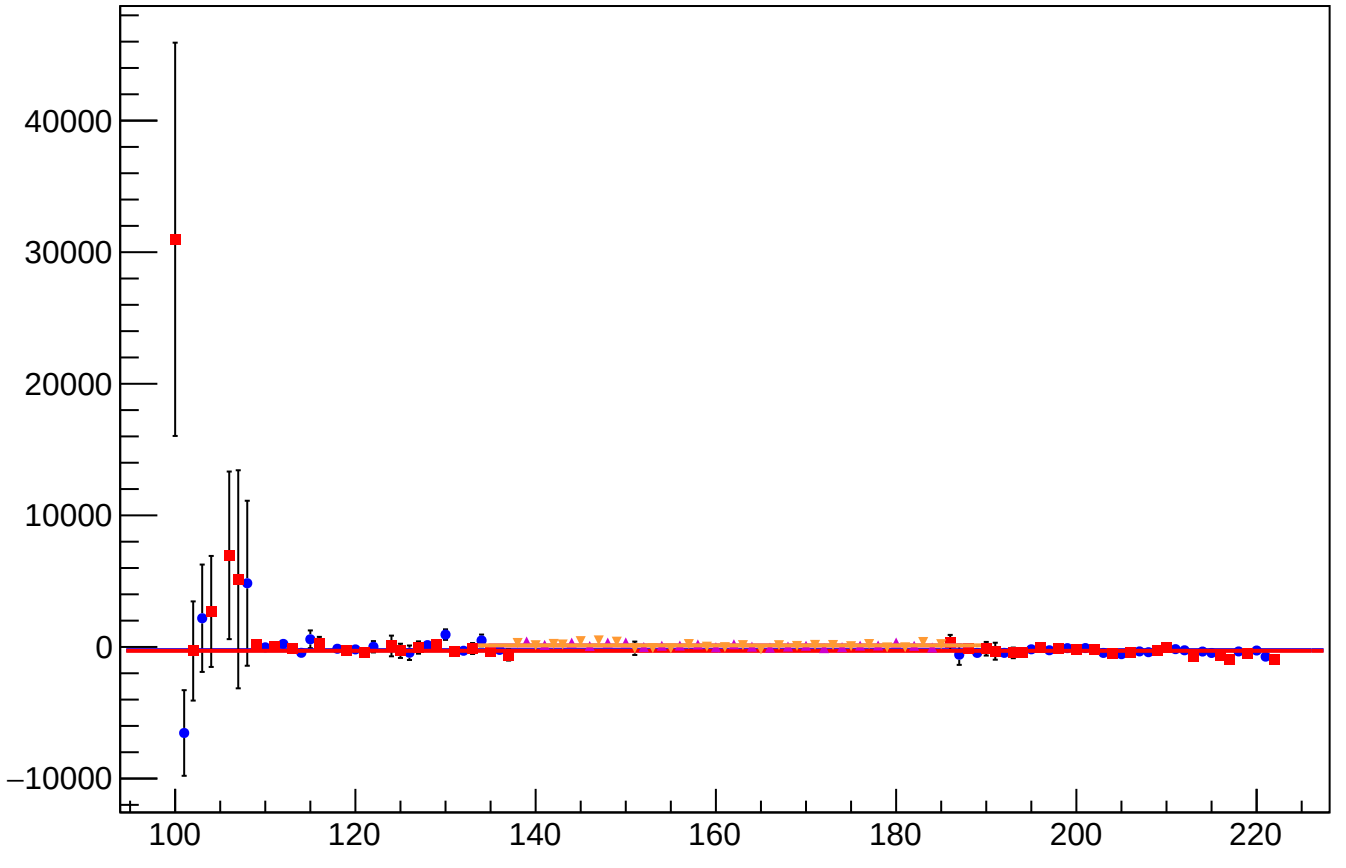
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.557+/-0.003 χ^2/NDF: 6971258.5/71

In: 27.999+/-0.003 χ^2/NDF:3456851.6/56

Out: 28.072+/-0.003 χ^2/NDF:3778439.9/62

All: 28.036+/-0.002 χ^2/NDF: 7235555.5/119



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: -293.214+/-40.748 χ^2/NDF: 54.1/37

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

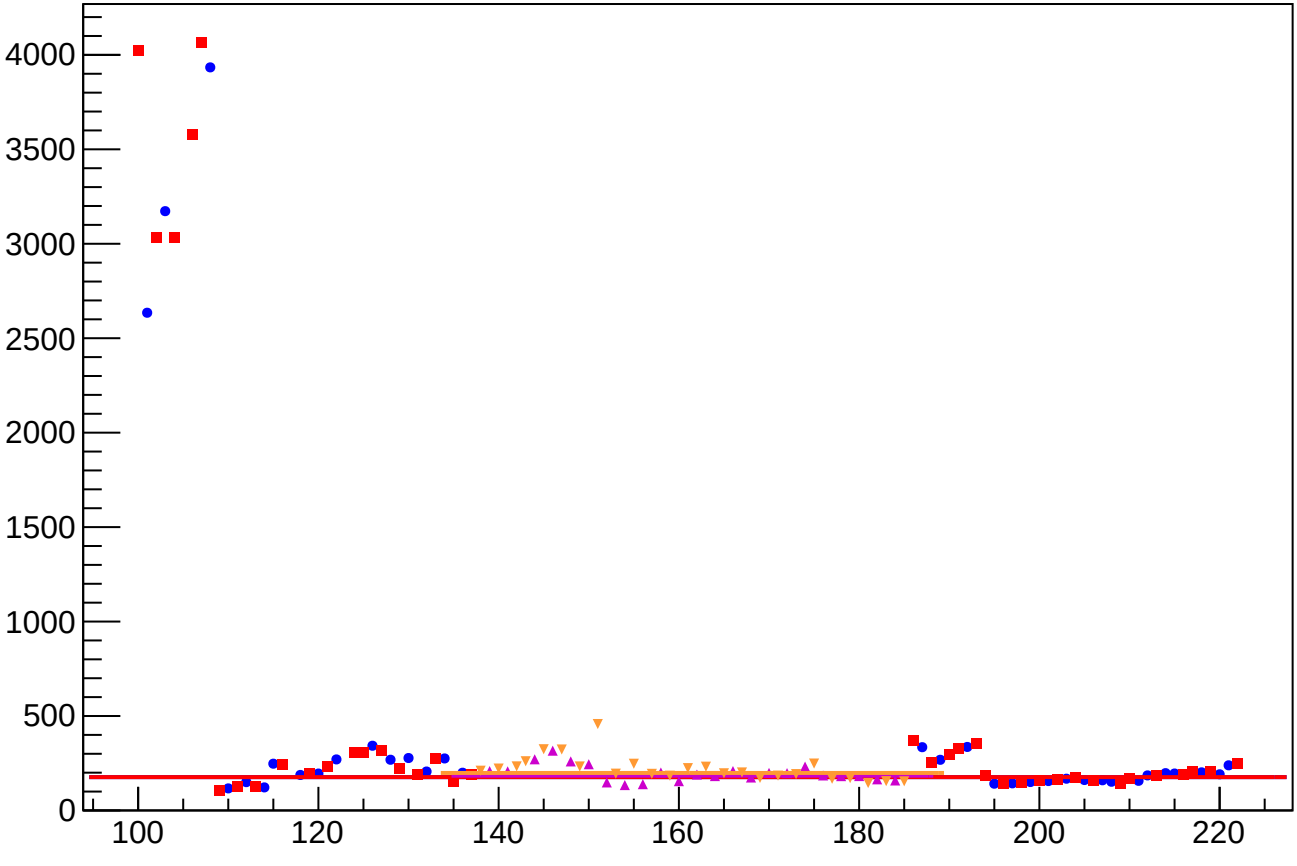
Right: -267.713+/-28.659 χ^2/NDF: 94.9/71

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -114.317+/-30.739 χ^2/NDF:110.8/62

All: -97.778+/-21.456 χ^2/NDF: 195.3/119

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: 176.405+/-0.029 χ^2/NDF: 5858874.9/37

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

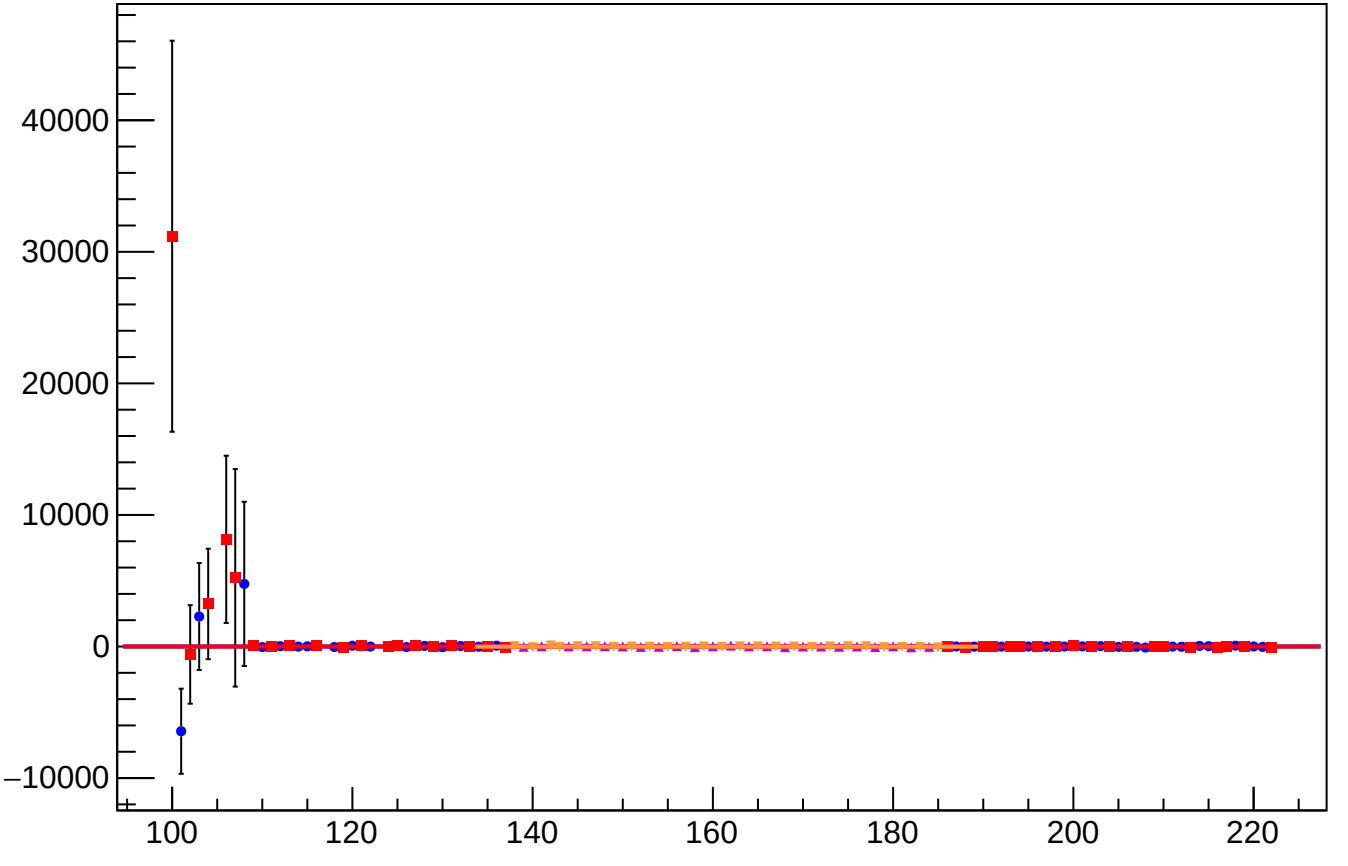
Right: 176.409+/-0.020 χ^2/NDF: 10988556.3/71

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 185.957+/-0.022 χ^2/NDF:8015400.7/62

All: 182.816+/-0.015 χ^2/NDF: 14663373.7/11

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: 1.512+/-6.103 χ^2/NDF: 44.2/37

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

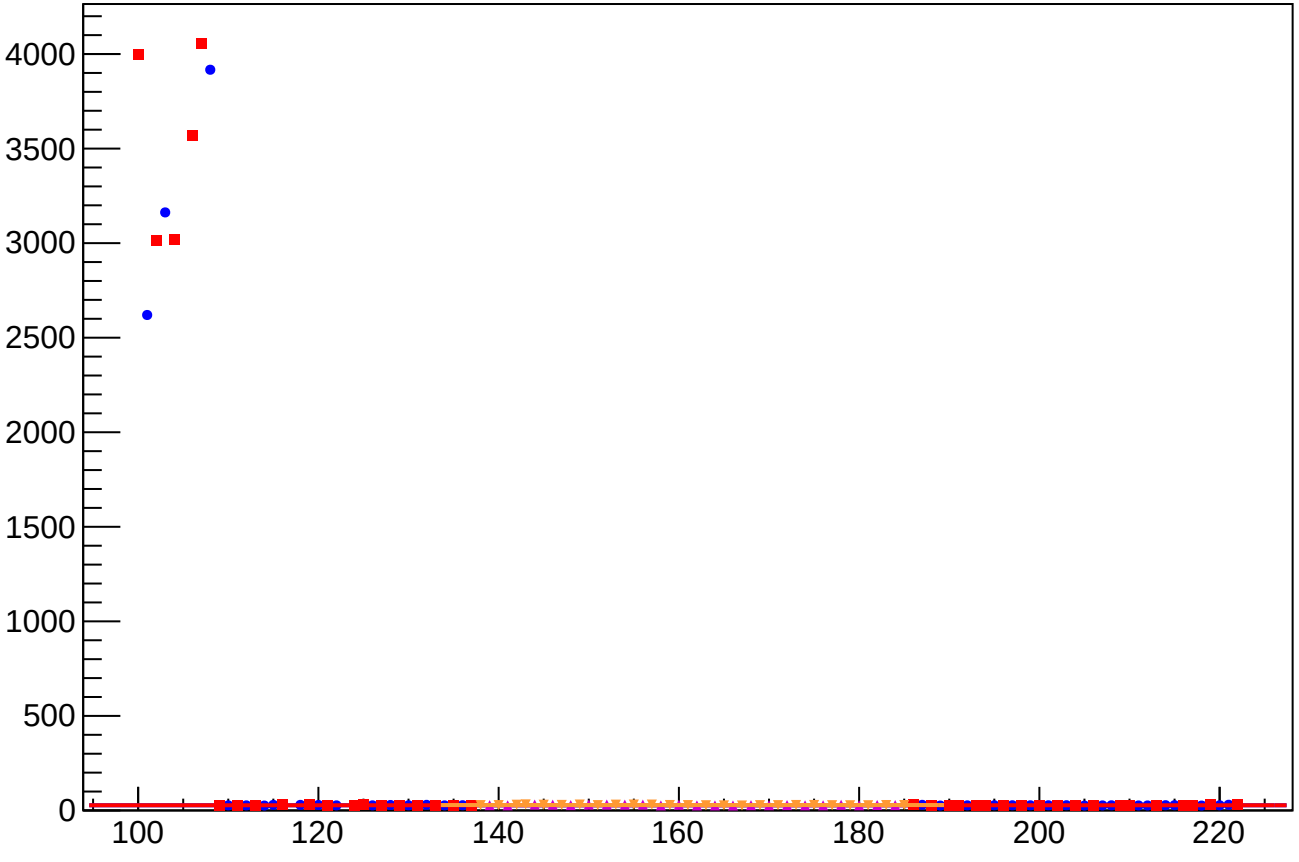
Right: 1.024+/-4.296 χ^2/NDF: 83.4/71

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -4.713+/-4.462 χ^2/NDF:64.3/62

All: -1.656+/-3.168 χ^2/NDF: 126.7/119

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: 27.466+/-0.004 χ^2/NDF: 3672135.5/37

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

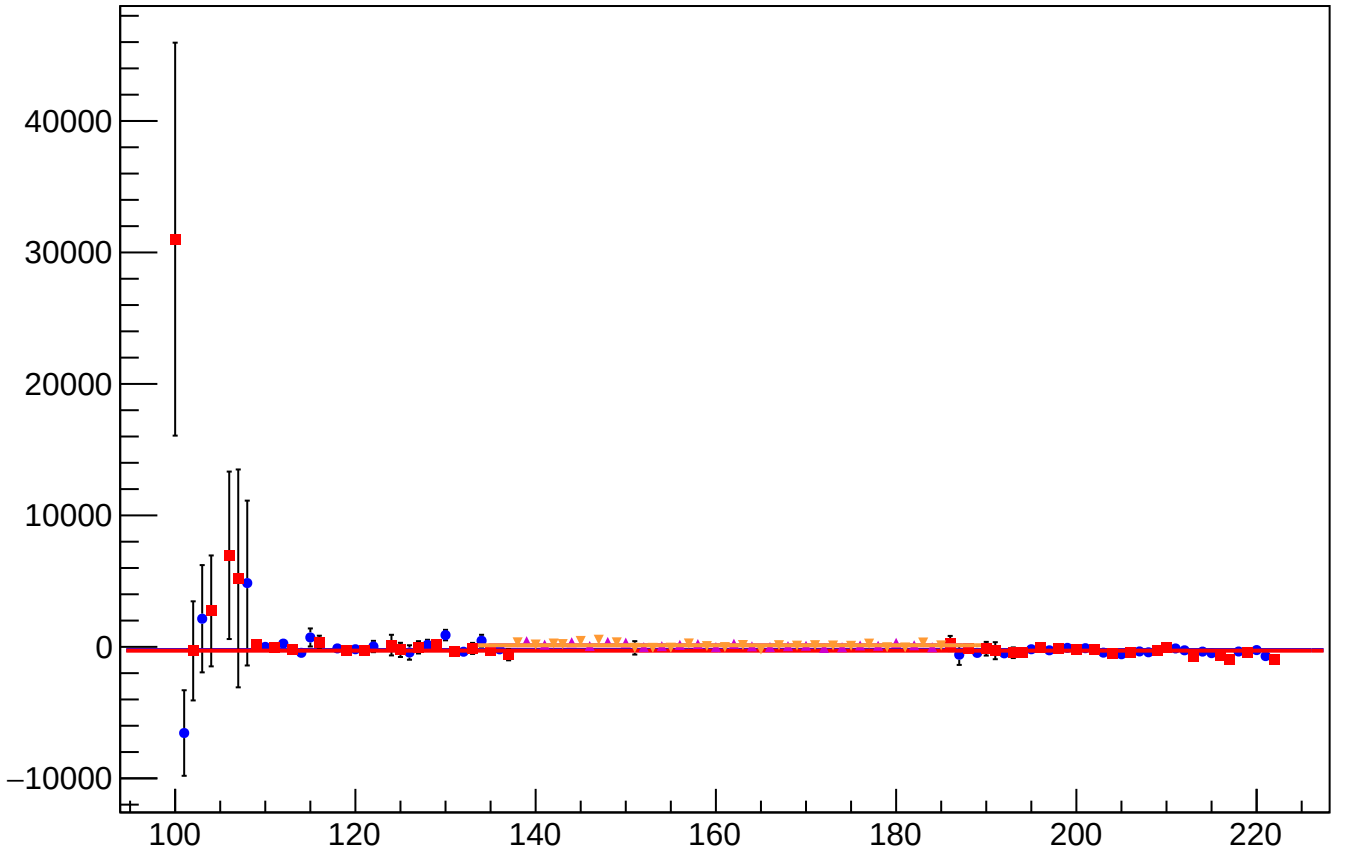
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.391+/-0.003 χ^2/NDF: 6985420.2/71

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 28.044+/-0.003 χ^2/NDF:3809539.6/62

All: 27.996+/-0.002 χ^2/NDF: 7298640.9/119



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: -287.161+/-41.053 χ^2/NDF: 50.8/37

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

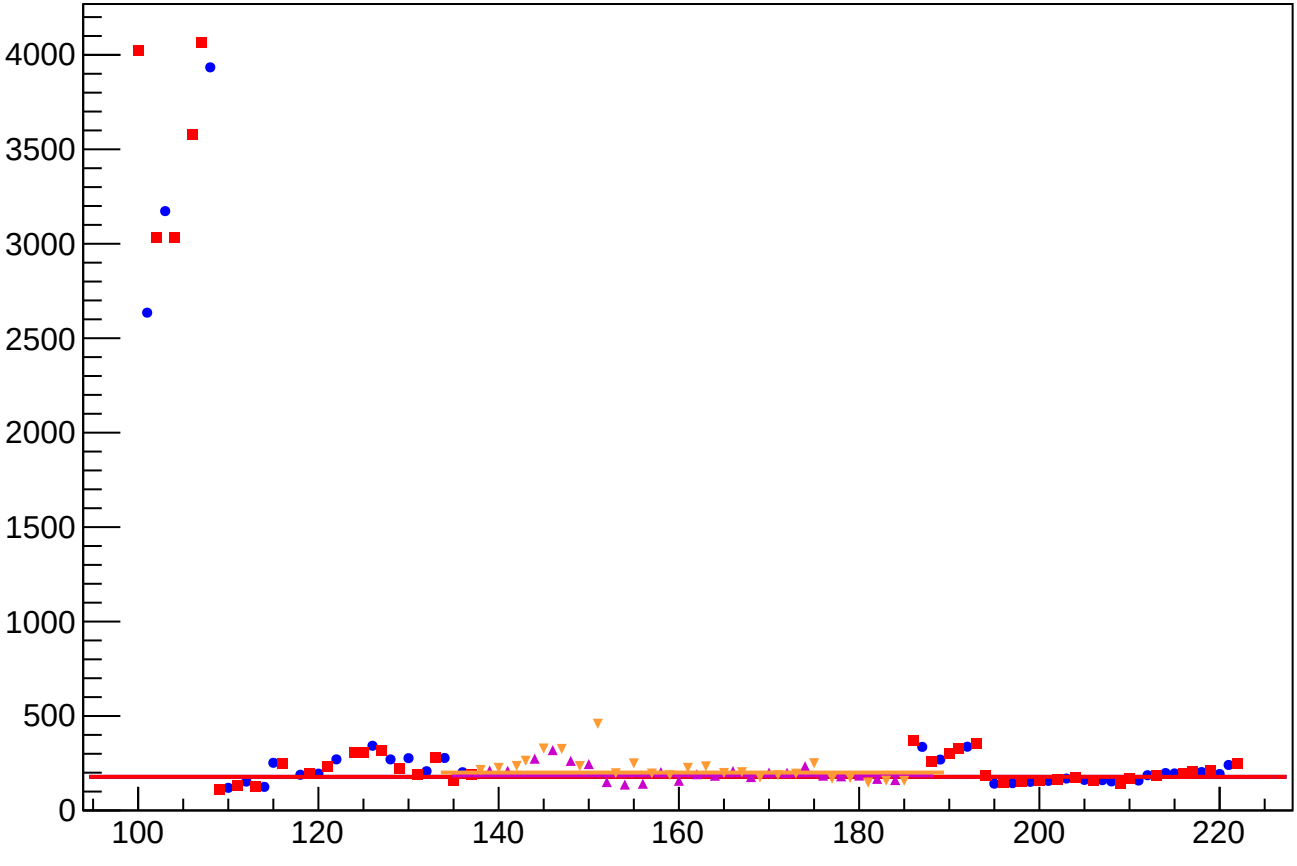
Right: -264.336+/-28.868 χ^2/NDF: 92.3/71

In: -79.258+/-30.226 χ^2/NDF:85.4/56

Out: -110.994+/-31.004 χ^2/NDF:105.0/62

All: -94.723+/-21.643 χ^2/NDF: 190.9/119

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: 177.893+/-0.029 χ^2/NDF: 5793416.4/37

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

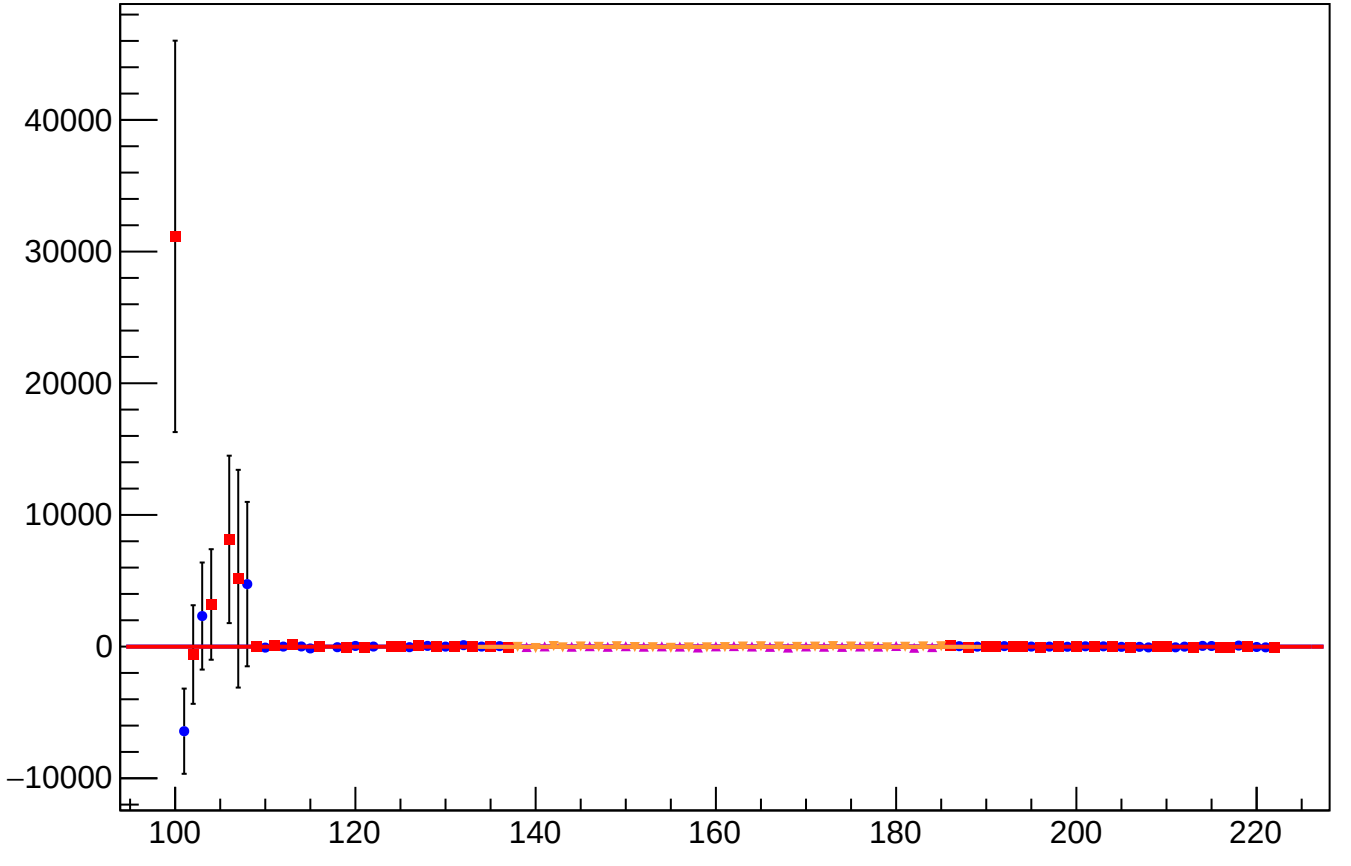
Right: 177.833+/-0.020 χ^2/NDF: 10886065.1/71

In: 181.516+/-0.021 χ^2/NDF:6544149.0/56

Out: 187.686+/-0.022 χ^2/NDF:7938372.2/62

All: 184.523+/-0.015 χ^2/NDF: 14523125.5/1

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: -9.376+/-7.425 χ^2/NDF: 44.8/37

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

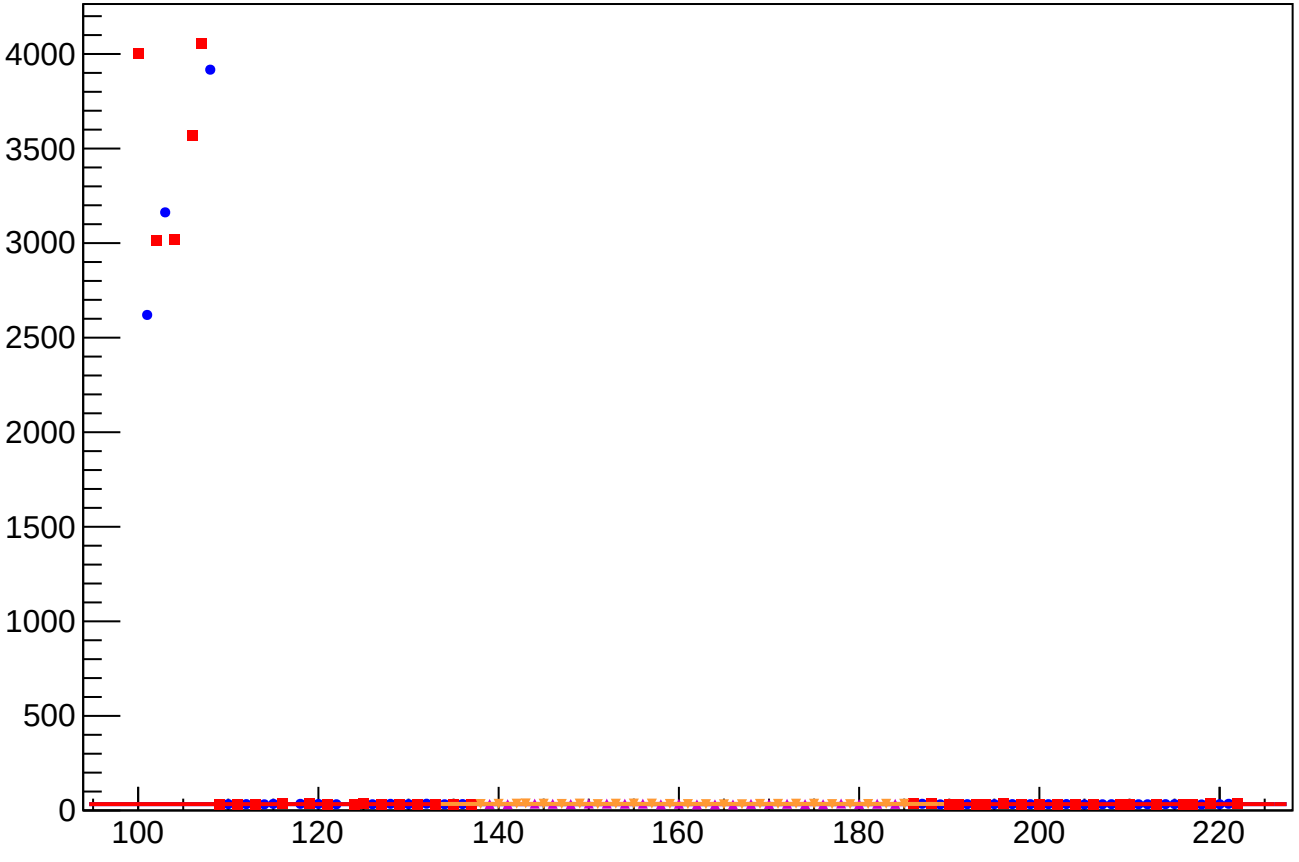
Right: -3.424+/-5.228 χ^2/NDF: 84.3/71

In: -0.500+/-5.443 χ^2/NDF:57.5/56

Out: -14.983+/-5.389 χ^2/NDF:69.0/62

All: -7.813+/-3.830 χ^2/NDF: 130.0/119

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: 33.473+/-0.005 χ^2/NDF: 3584192.2/37

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

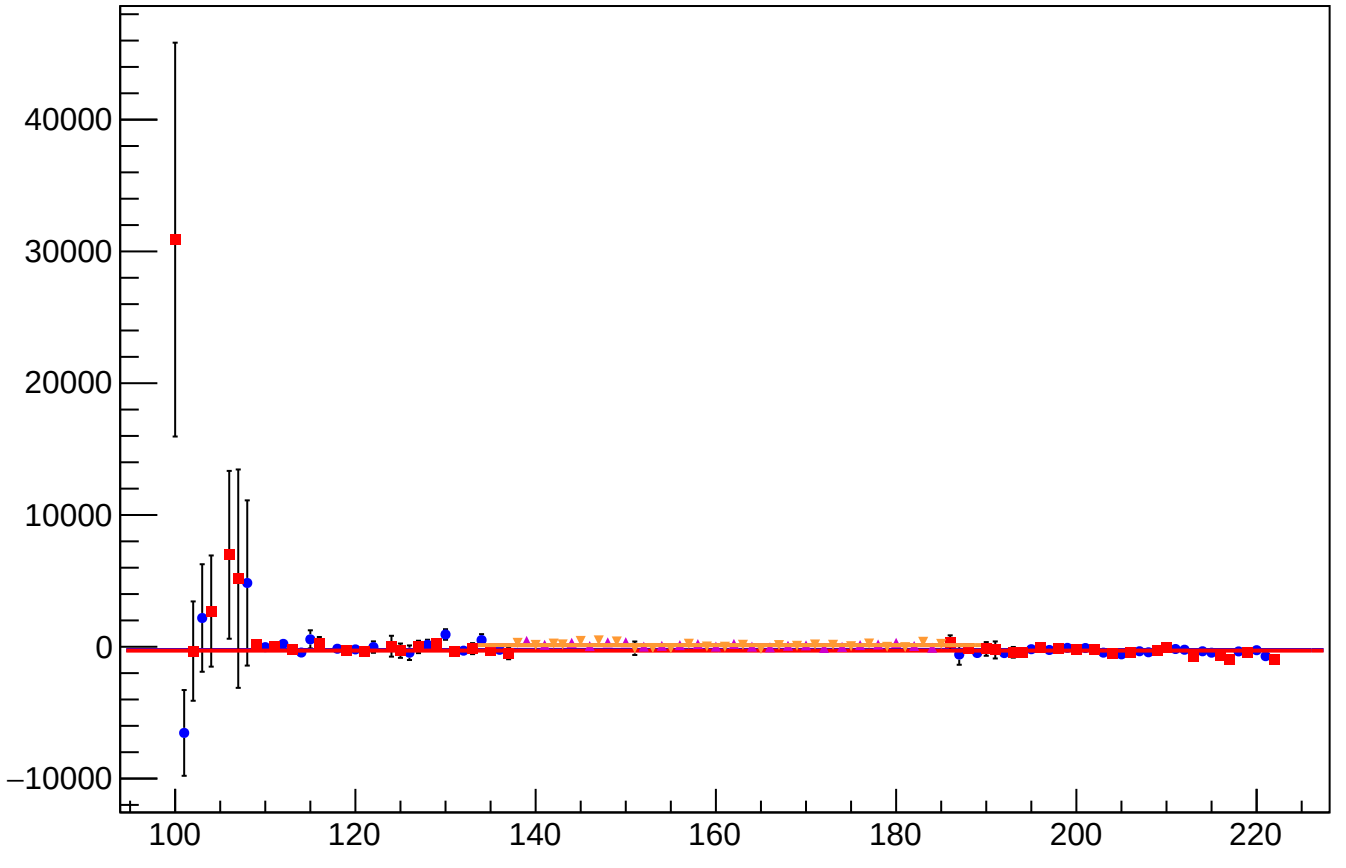
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.377+/-0.004 χ^2/NDF: 6852195.3/71

In: 33.858+/-0.004 χ^2/NDF:3353584.4/56

Out: 33.930+/-0.004 χ^2/NDF:3644872.9/62

All: 33.894+/-0.003 χ^2/NDF: 6998633.9/119



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: -289.927+/-40.912 χ^2/NDF: 52.1/37

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

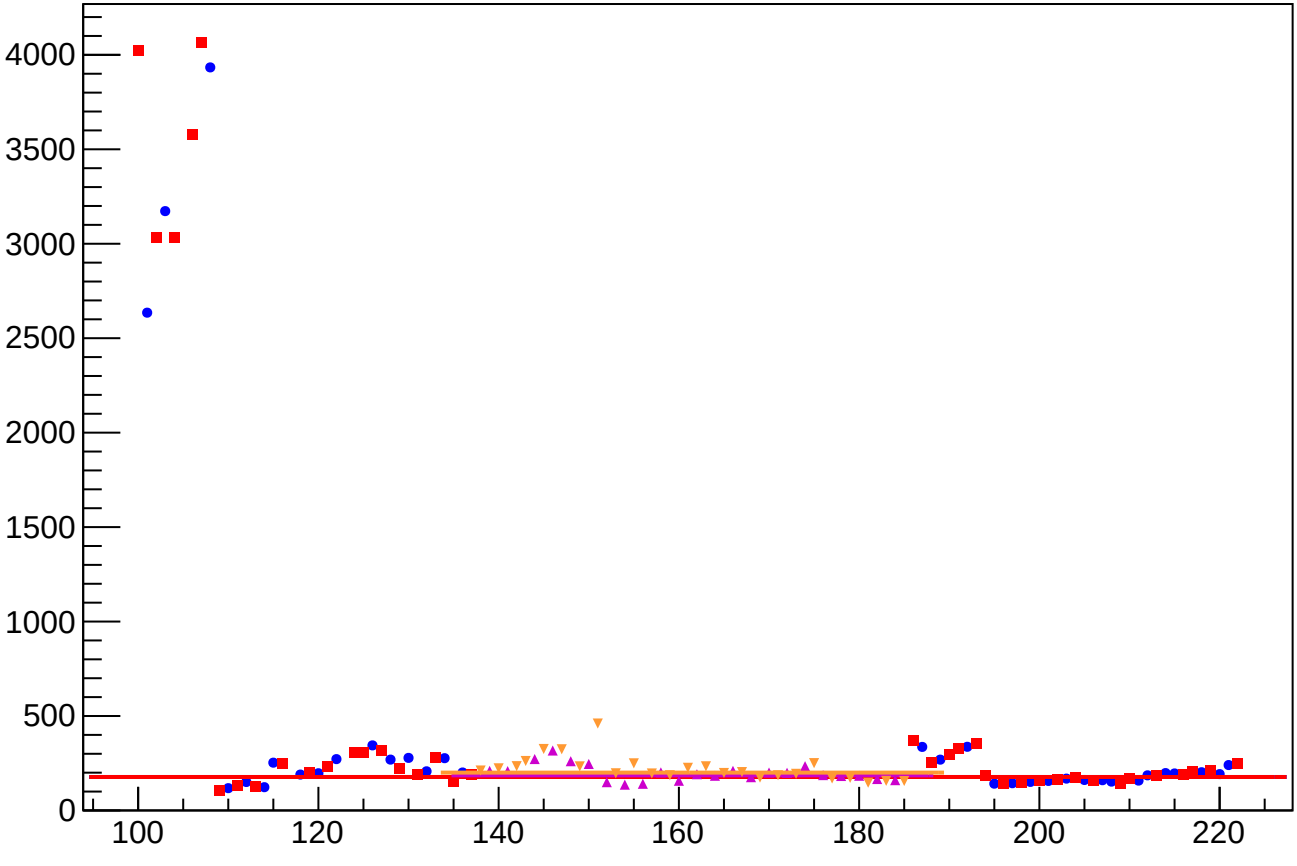
Right: -267.622+/-28.777 χ^2/NDF: 92.4/71

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -110.891+/-30.923 χ^2/NDF:108.4/62

All: -95.929+/-21.590 χ^2/NDF: 193.5/119

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: 177.151+/-0.029 χ^2/NDF: 5847357.4/37

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

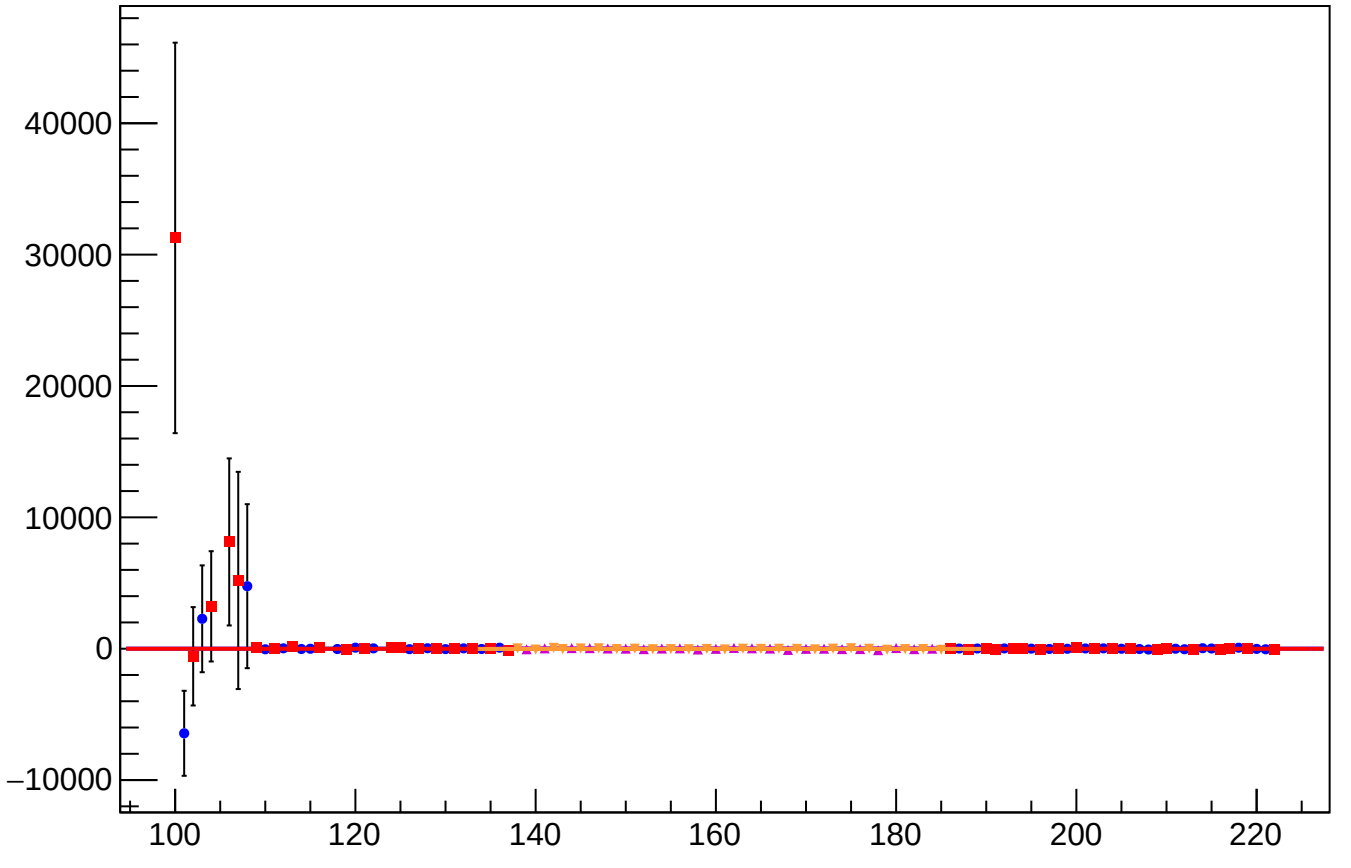
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 177.163+/-0.020 χ^2/NDF: 10972237.0/71

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 187.106+/-0.022 χ^2/NDF:8000103.0/62

All: 184.000+/-0.015 χ^2/NDF: 14610960.4/11



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: -4.705+/-6.723 χ^2/NDF: 49.8/37

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

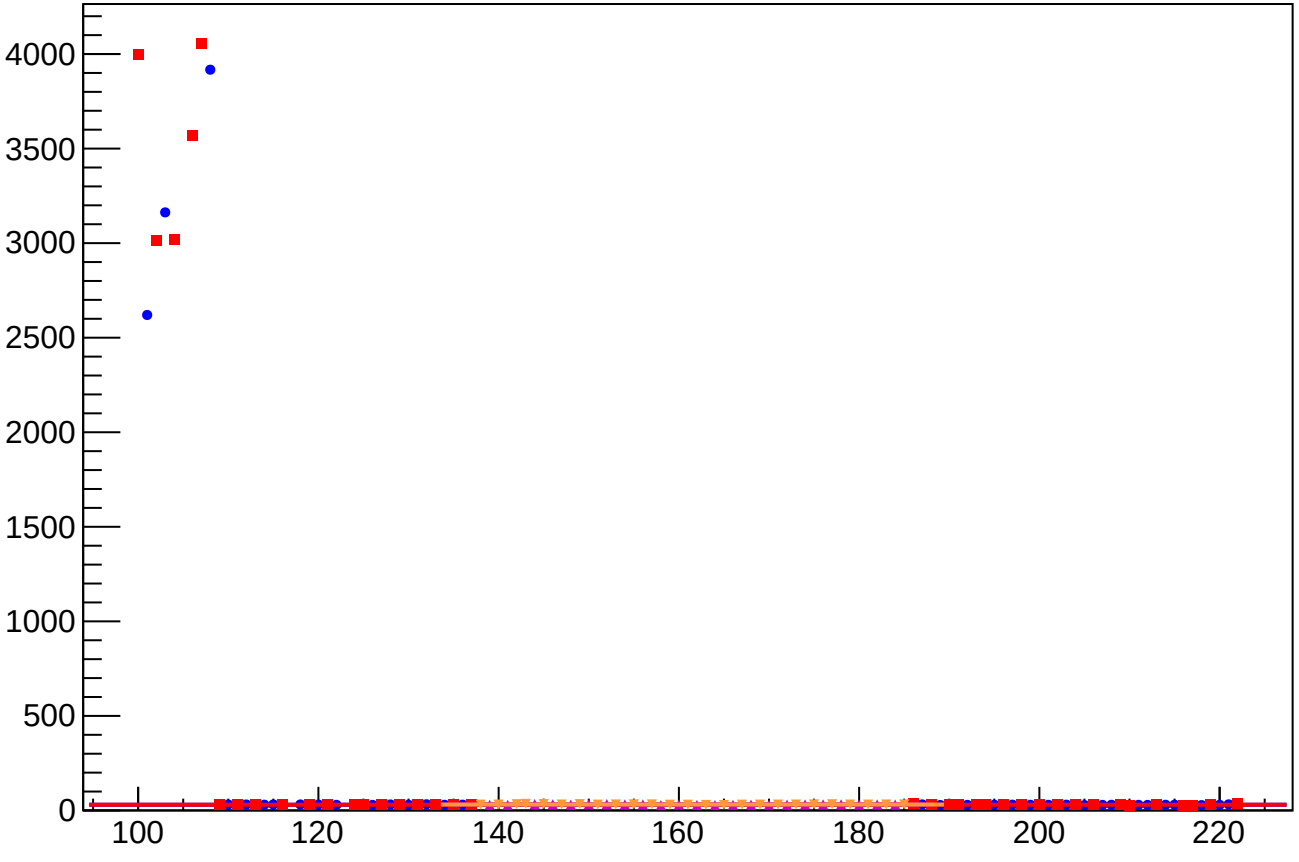
Right: -0.140+/-4.732 χ^2/NDF: 84.8/71

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -11.231+/-4.893 χ^2/NDF:72.2/62

All: -5.088+/-3.475 χ^2/NDF: 145.5/119

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: 30.280+/-0.005 χ^2/NDF: 3623606.5/37

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

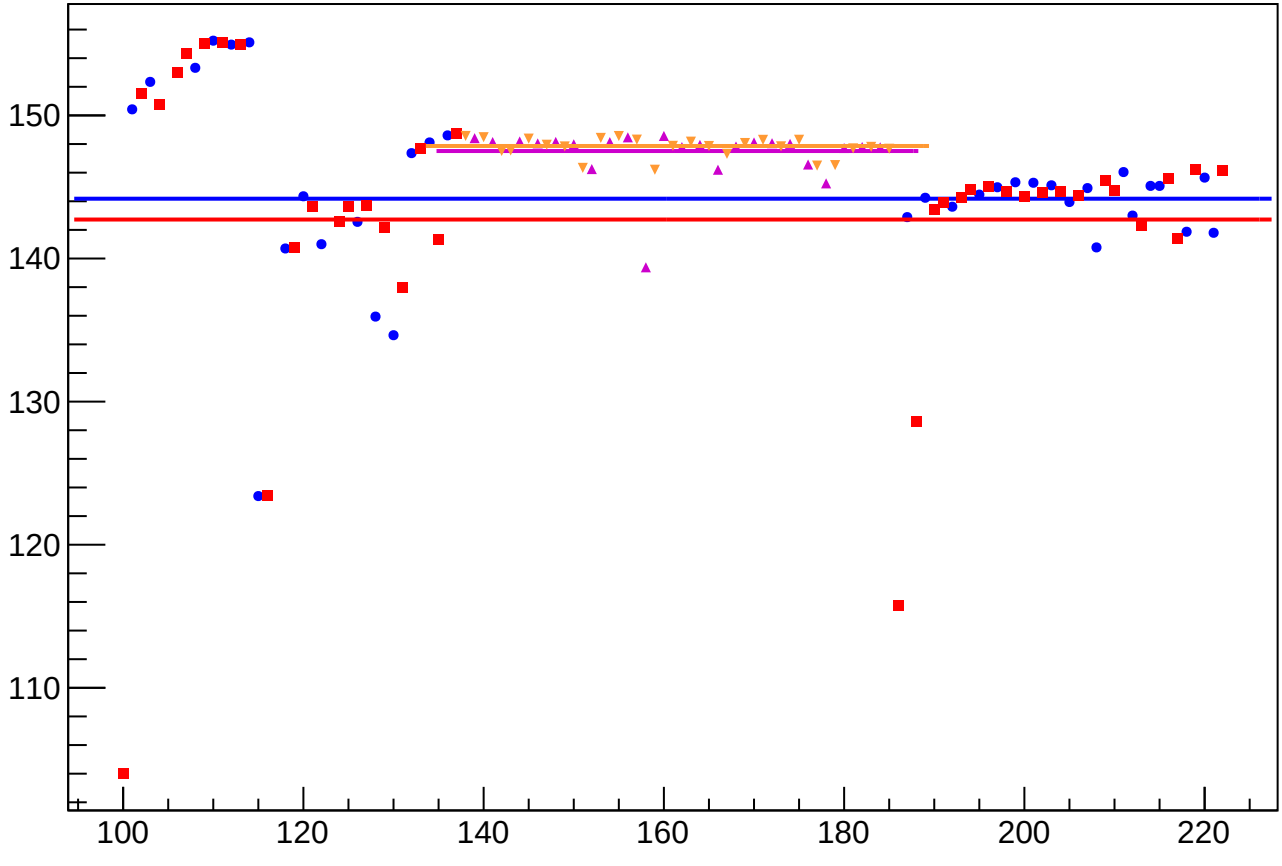
Right: 30.186+/-0.003 χ^2/NDF: 6916307.5/71

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.778+/-0.003 χ^2/NDF:3710003.1/62

All: 30.727+/-0.002 χ^2/NDF: 7121203.1/119

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: 142.725+/-0.000 χ^2/NDF: 7641537911.1/37

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

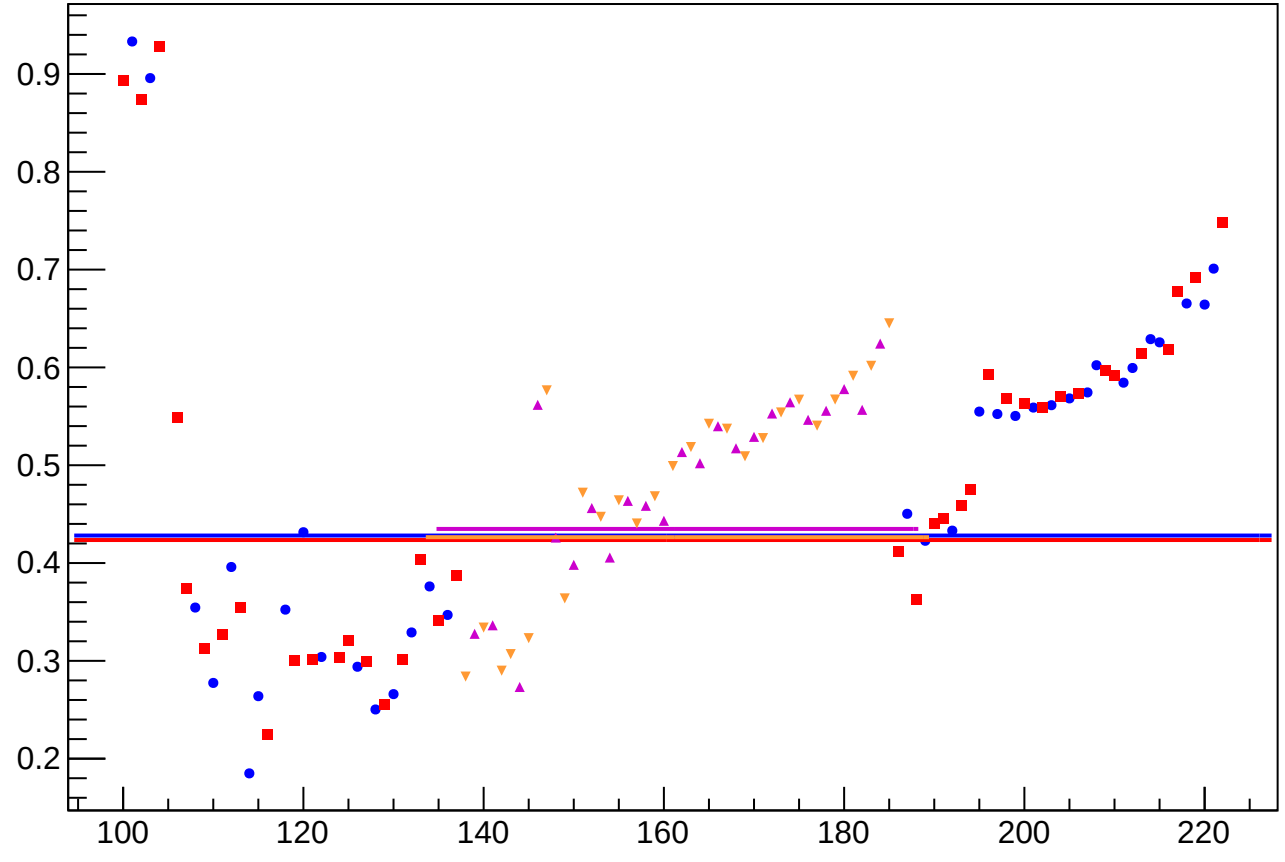
Right: 143.435+/-0.000 χ^2/NDF: 11559352728.6/71

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.178+/-0.000 χ^2/NDF:9025841306.5/62

All: 145.449+/-0.000 χ^2/NDF: 13697610677.

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: 0.424+/-0.000 χ^2/NDF: 4515011.5/37

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

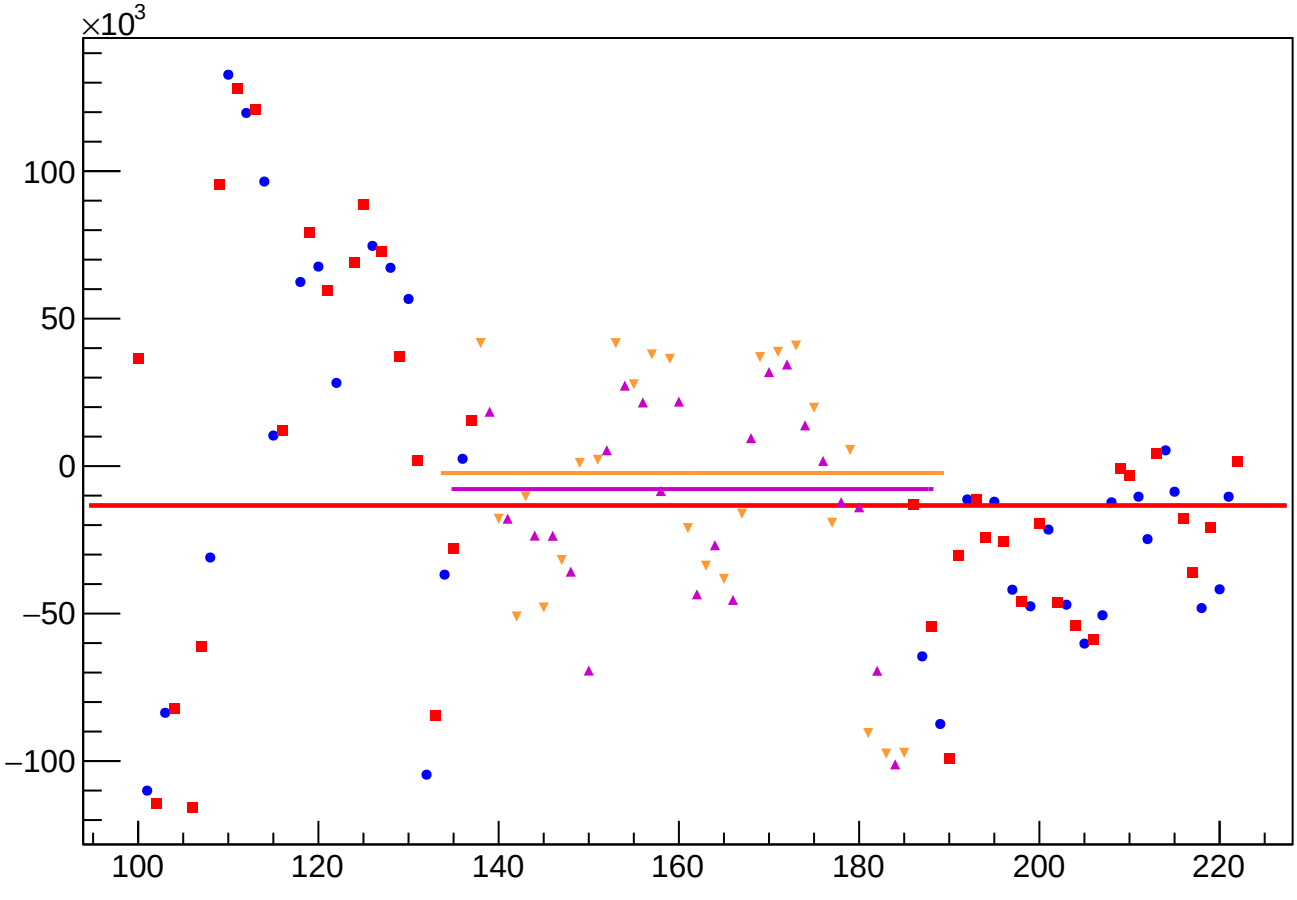
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.426+/-0.000 χ^2/NDF: 9311668.2/71

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.425+/-0.000 χ^2/NDF:6775054.0/62

All: 0.428+/-0.000 χ^2/NDF: 13356752.4/119



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: -13280.349+/-1.149 χ^2/NDF: 2423748103.3/37

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

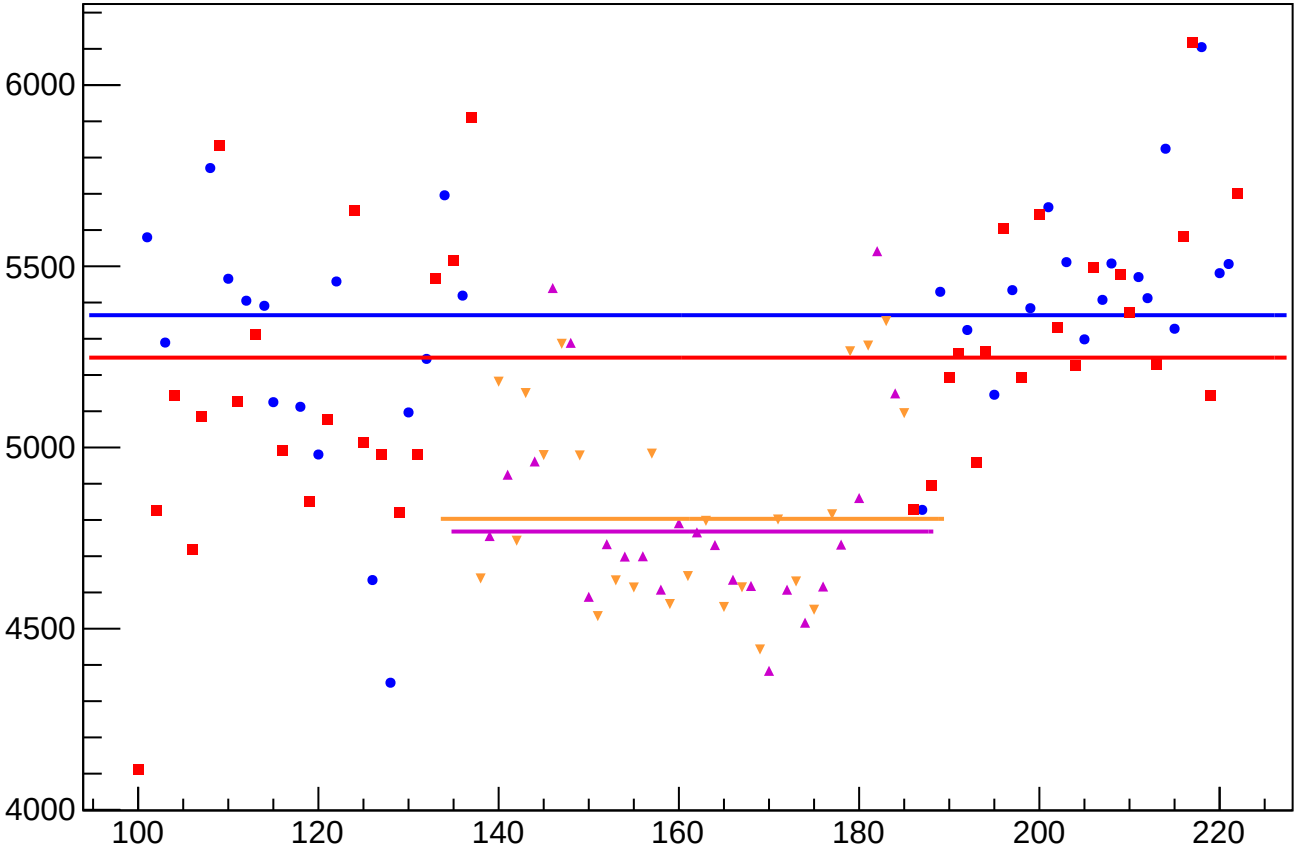
Right: -13333.854+/-0.825 χ^2/NDF: 4422428376.1/

In: -10491.438+/-0.823 χ^2/NDF:2772736306.5/56

Out: -7690.576+/-0.803 χ^2/NDF:3700109724.3/62

All: -9056.135+/-0.575 χ^2/NDF: 6478776450

yield_bcm_an_diff_rms vs Slug, Sign Corrected



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: 5247.979+/-0.812 χ^2/NDF: 163748.1/37

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

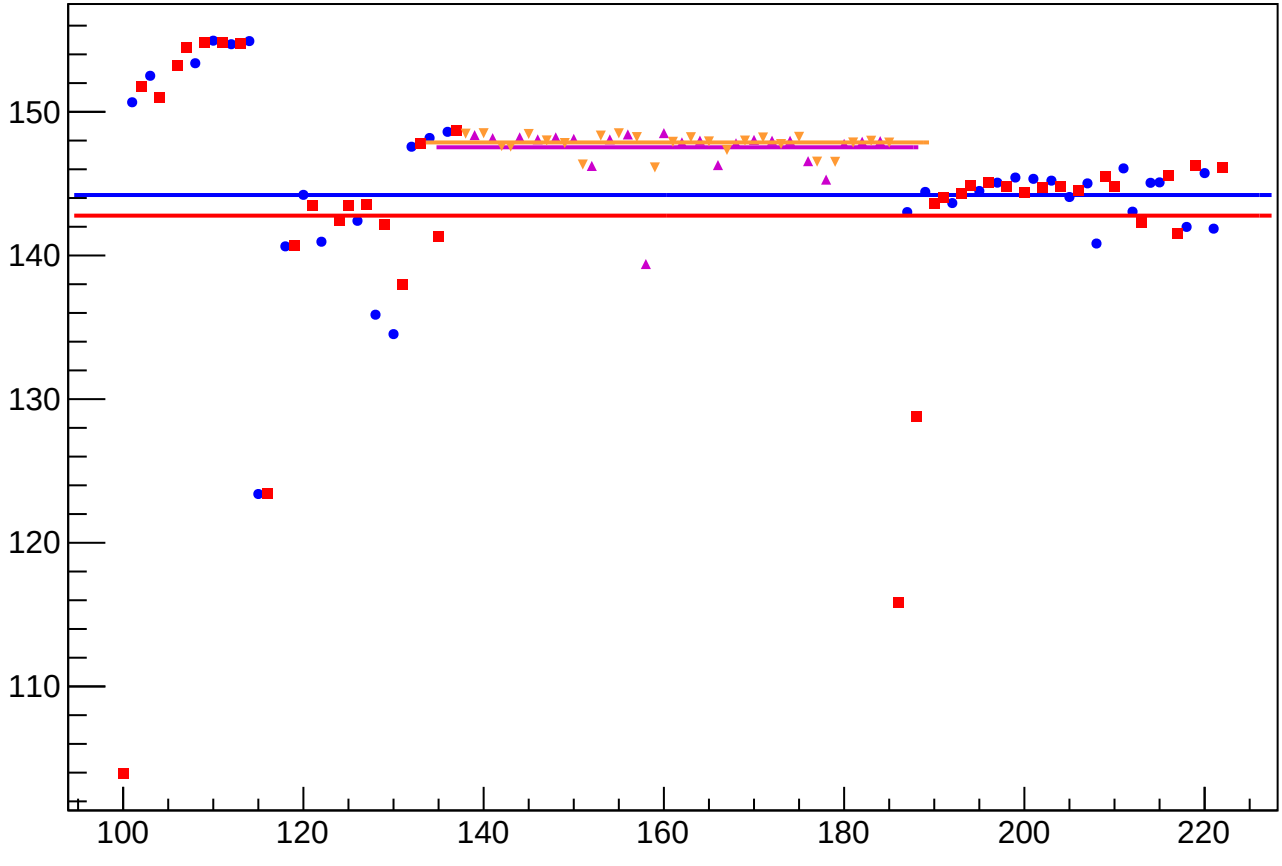
Right: 5304.681+/-0.583 χ^2/NDF: 315817.9/71

In: 5056.128+/-0.582 χ^2/NDF:506930.6/56

Out: 5020.594+/-0.568 χ^2/NDF:431767.8/62

All: 5037.919+/-0.407 χ^2/NDF: 940607.4/119

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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: 142.774+/-0.000 χ^2/NDF: 7616197484.8/37

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

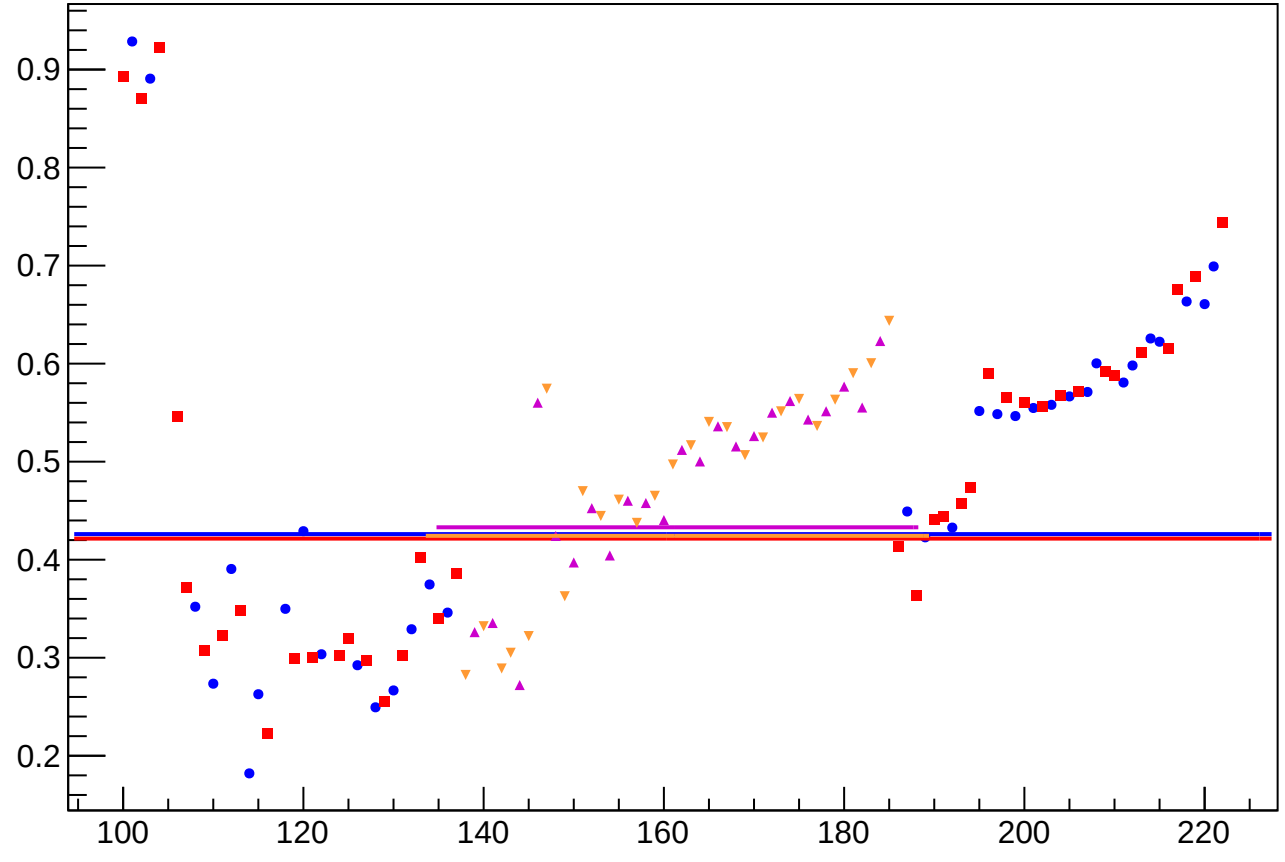
Right: 143.475+/-0.000 χ^2/NDF: 11572303554.5/71

In: 145.763+/-0.000 χ^2/NDF:4683850257.1/56

Out: 145.207+/-0.000 χ^2/NDF:8989892791.3/62

All: 145.476+/-0.000 χ^2/NDF: 13704449648.

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: 0.422+/-0.000 χ^2/NDF: 4522507.1/37

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

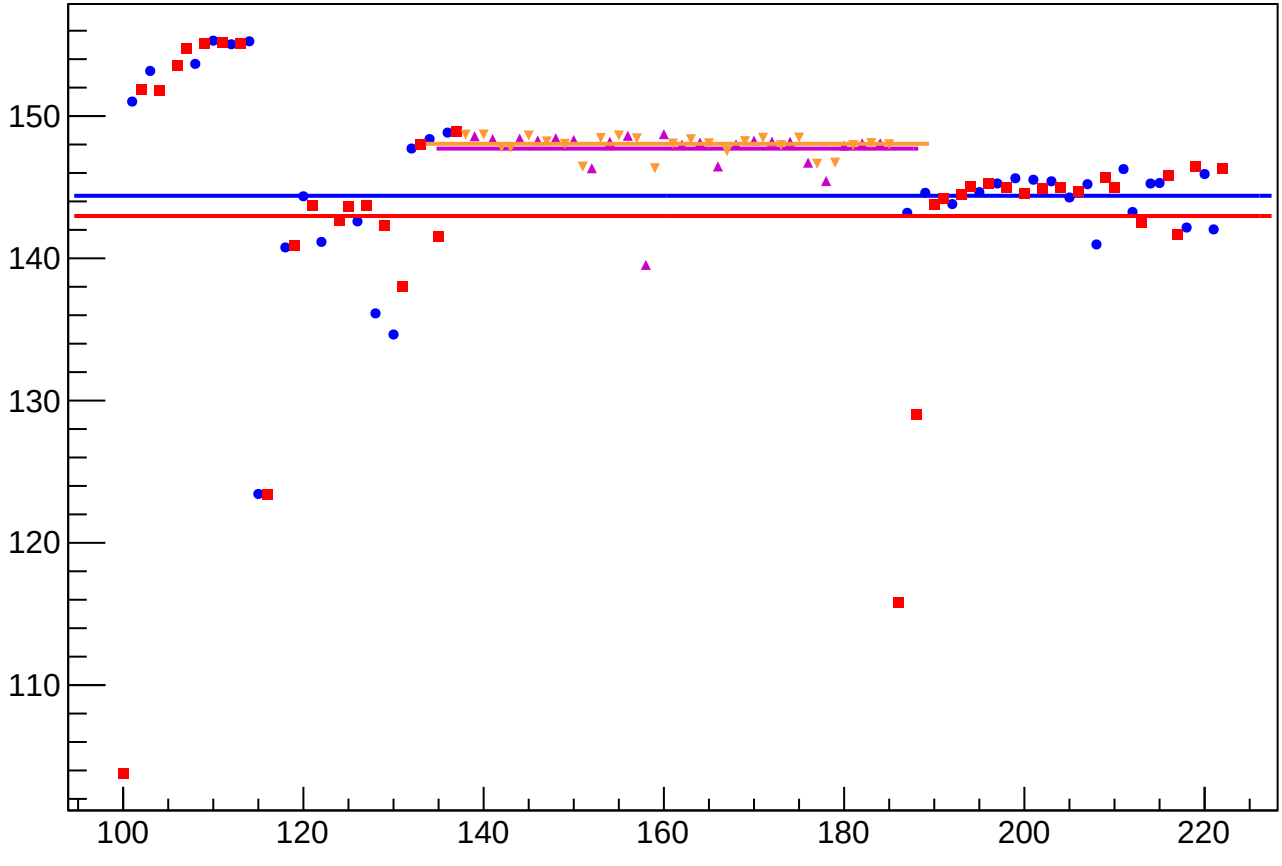
Right: 0.424+/-0.000 χ^2/NDF: 9320639.5/71

In: 0.429+/-0.000 χ^2/NDF:6571684.3/56

Out: 0.423+/-0.000 χ^2/NDF:6784056.1/62

All: 0.426+/-0.000 χ^2/NDF: 13364073.6/119

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: 142.975+/-0.000 χ^2/NDF: 7549544035.0/37

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

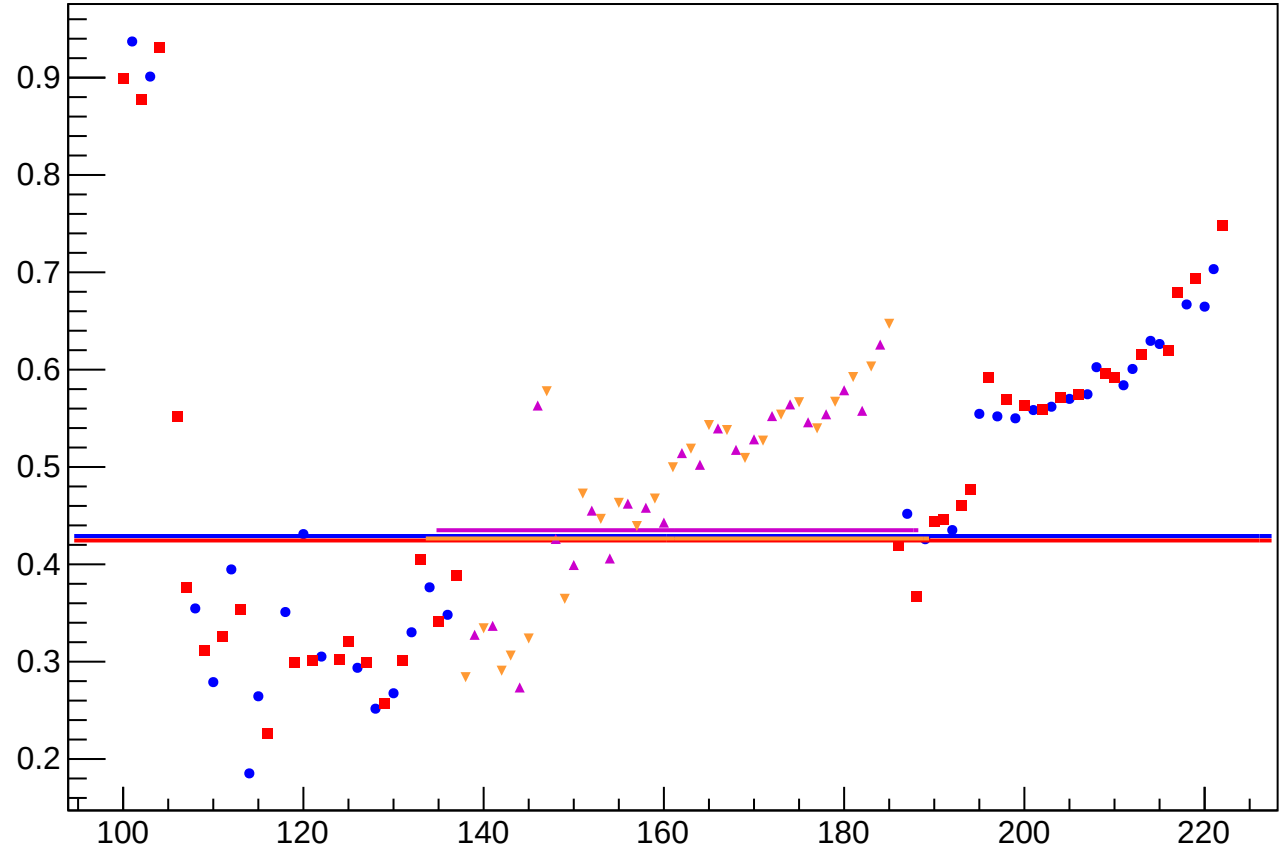
Right: 143.669+/-0.000 χ^2/NDF: 11496700673.5/71

In: 145.950+/-0.000 χ^2/NDF:4674490744.6/56

Out: 145.402+/-0.000 χ^2/NDF:8897175298.5/62

All: 145.667+/-0.000 χ^2/NDF: 13601108433.

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: 0.425+/-0.000 χ^2/NDF: 4510396.6/37

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

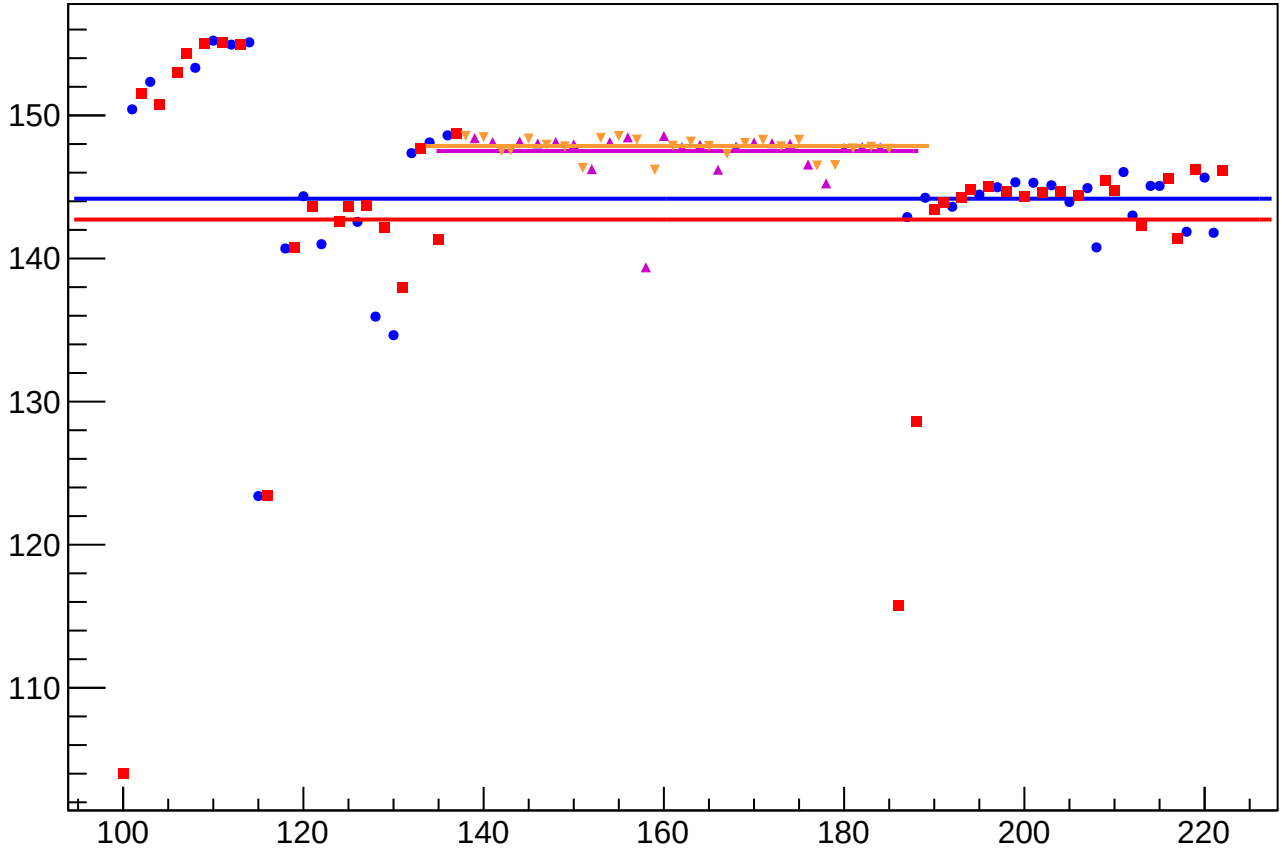
Right: 0.427+/-0.000 χ^2/NDF: 9288012.6/71

In: 0.432+/-0.000 χ^2/NDF:6548509.2/56

Out: 0.425+/-0.000 χ^2/NDF:6768313.1/62

All: 0.429+/-0.000 χ^2/NDF: 13324873.0/119

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: 142.725+/-0.000 χ^2/NDF: 7641537911.1/37

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

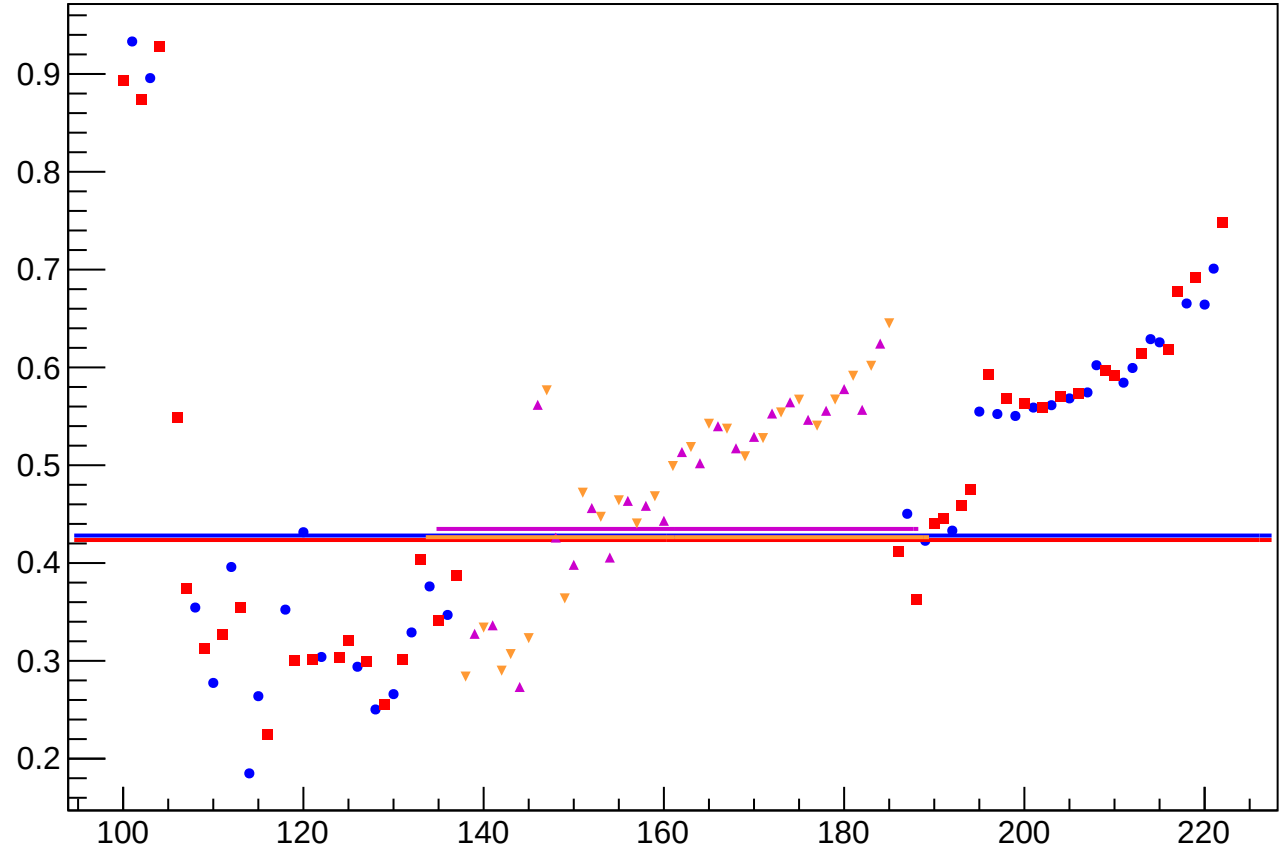
Right: 143.435+/-0.000 χ^2/NDF: 11559352728.6/71

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.178+/-0.000 χ^2/NDF:9025841306.5/62

All: 145.449+/-0.000 χ^2/NDF: 13697610677.

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: 0.424+/-0.000 χ^2/NDF: 4515011.5/37

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

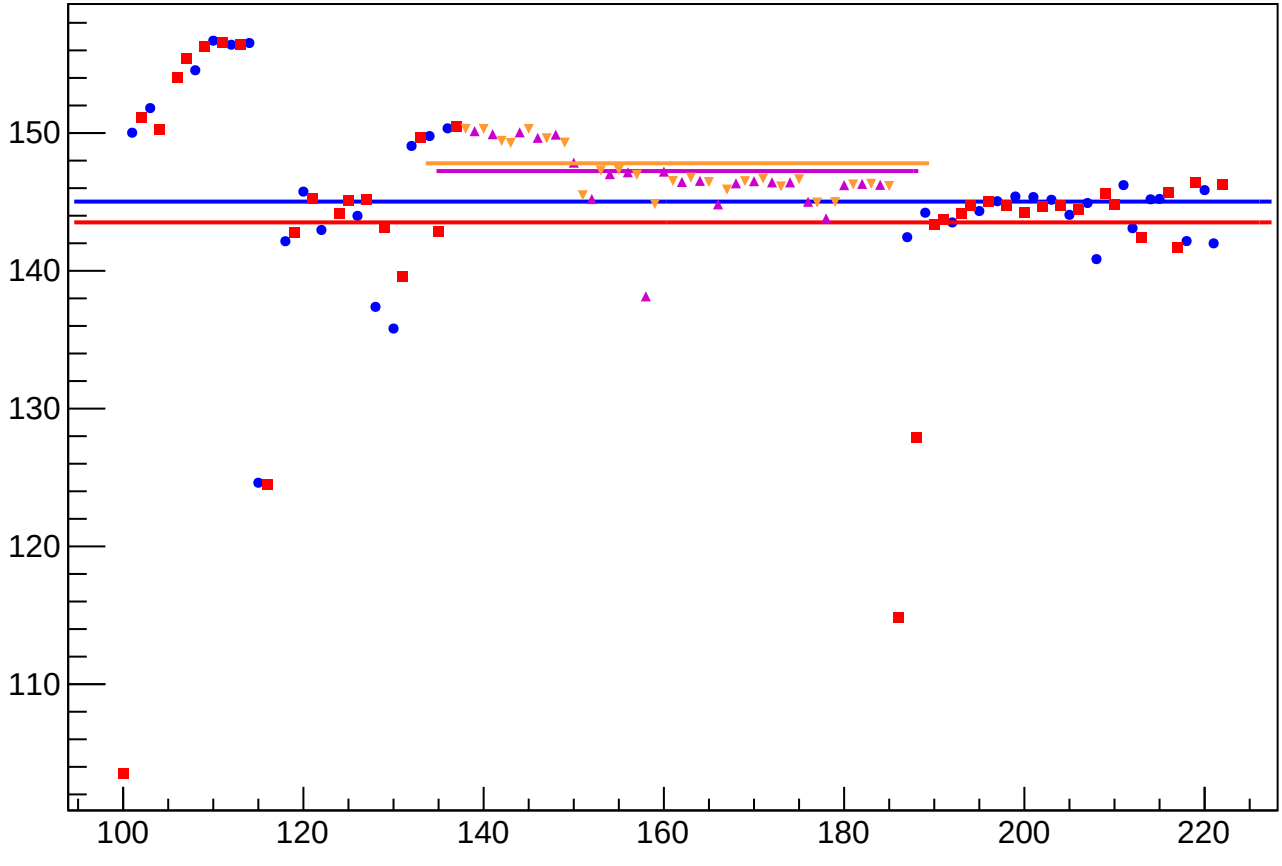
Right: 0.426+/-0.000 χ^2/NDF: 9311668.2/71

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.425+/-0.000 χ^2/NDF:6775054.0/62

All: 0.428+/-0.000 χ^2/NDF: 13356752.4/119

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: 143.517+/-0.000 χ^2/NDF: 7674544438.6/37

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

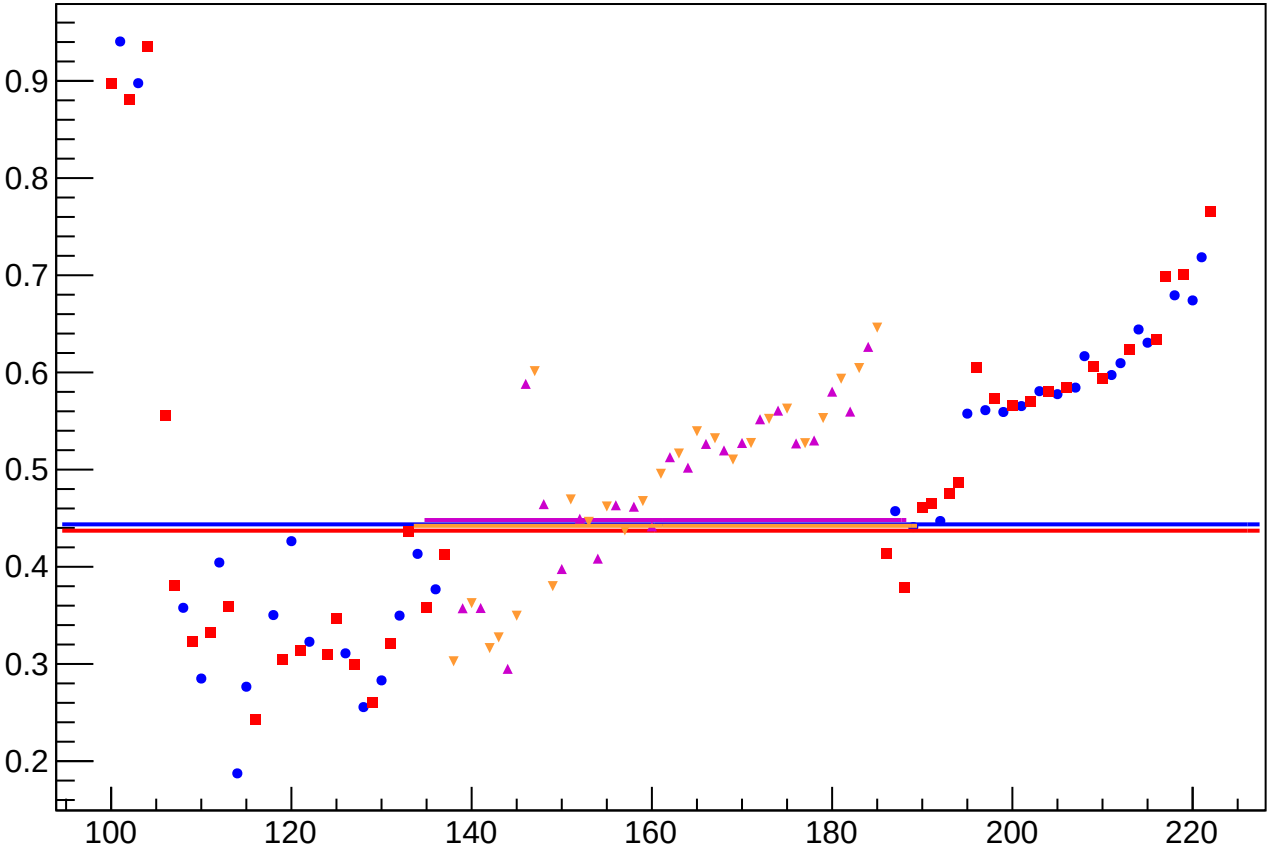
Right: 144.251+/-0.000 χ^2/NDF: 11393900433.9/71

In: 146.072+/-0.000 χ^2/NDF:4447305404.3/56

Out: 145.564+/-0.000 χ^2/NDF:8879833562.8/62

All: 145.811+/-0.000 χ^2/NDF: 13351086682.

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: 0.437+/-0.000 χ^2/NDF: 4308900.6/37

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

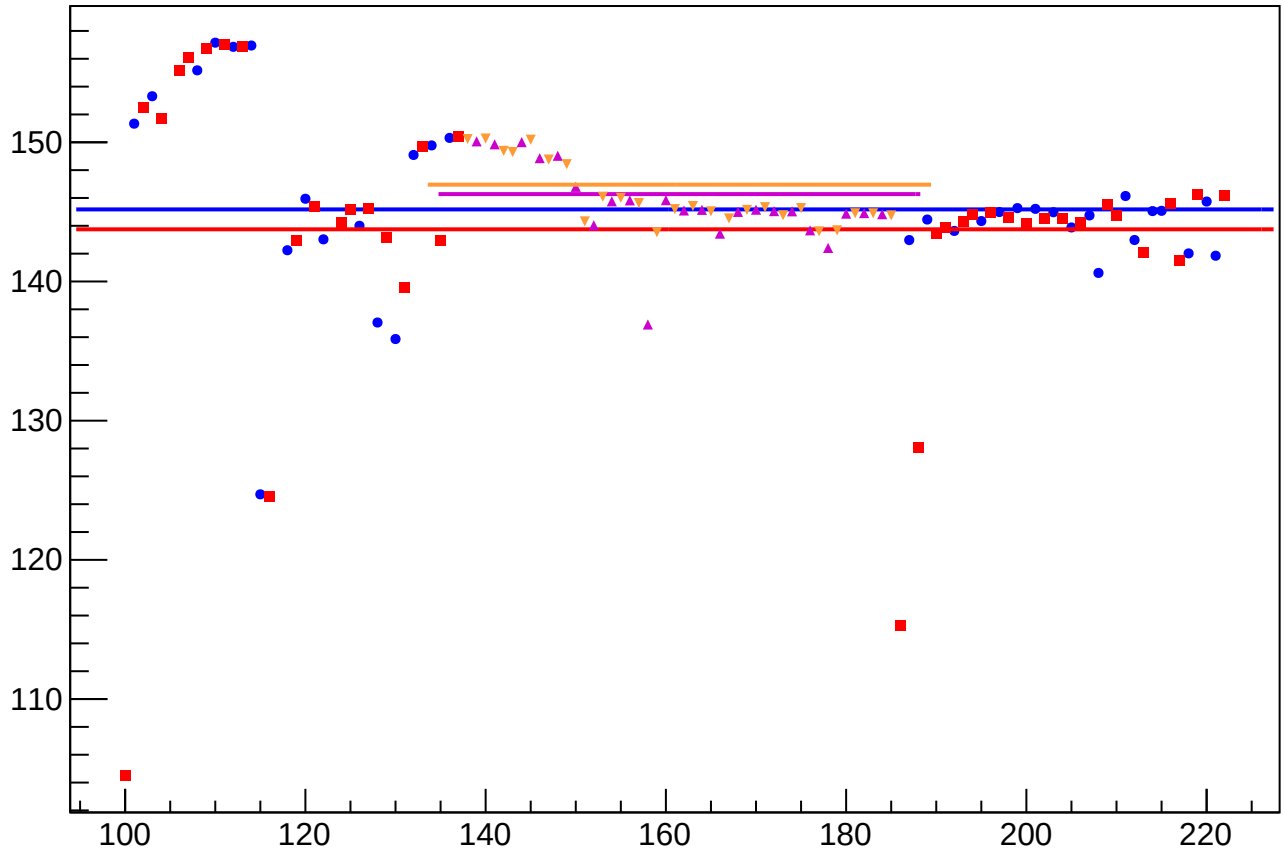
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.440+/-0.000 χ^2/NDF: 8837770.8/71

In: 0.446+/-0.000 χ^2/NDF:5874335.5/56

Out: 0.440+/-0.000 χ^2/NDF:6015519.8/62

All: 0.443+/-0.000 χ^2/NDF: 11897058.8/119



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: 143.748+/-0.000 χ^2/NDF: 7724362777.5/37

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

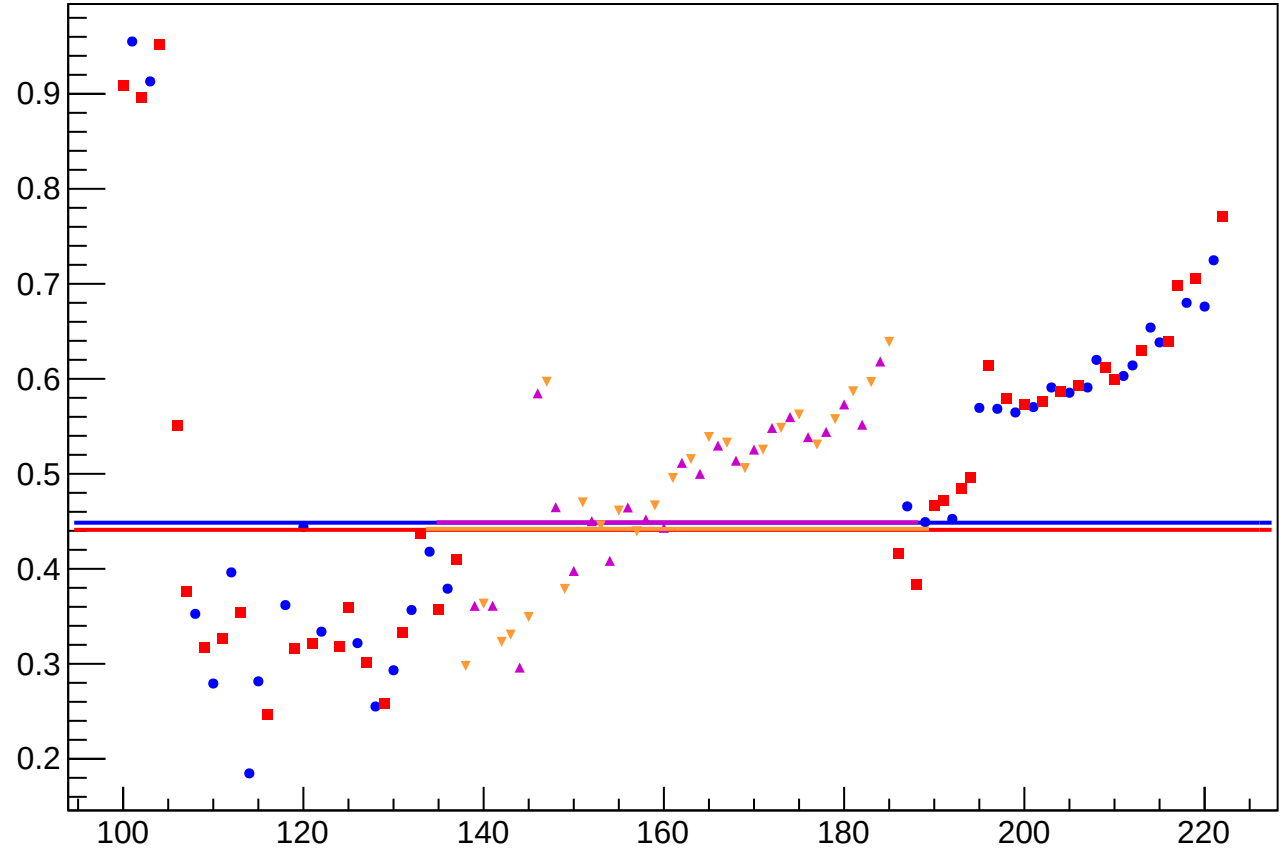
Right: 144.443+/-0.000 χ^2/NDF: 11597850117.2/71

In: 145.704+/-0.000 χ^2/NDF:4654715237.9/56

Out: 145.296+/-0.000 χ^2/NDF:8753912692.8/62

All: 145.493+/-0.000 χ^2/NDF: 13423850250.

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: 0.441+/-0.000 χ^2/NDF: 4325328.3/37

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

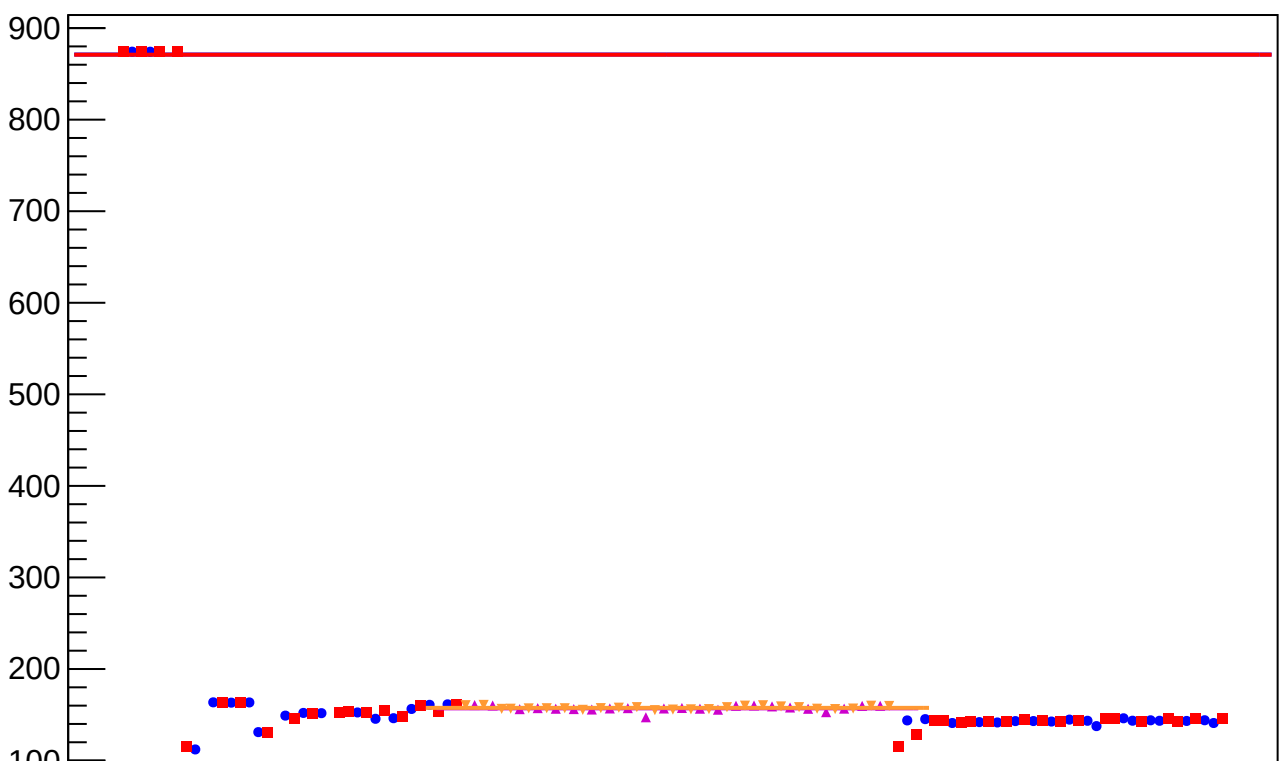
Right: 0.445+/-0.000 χ^2/NDF: 8872299.6/71

In: 0.449+/-0.000 χ^2/NDF:5842242.9/56

Out: 0.442+/-0.000 χ^2/NDF:6002122.4/62

All: 0.445+/-0.000 χ^2/NDF: 11853845.2/119

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.126+/-0.000 χ^2/NDF: 16015457152557.2/33

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 870.942+/-0.000 χ^2/NDF: 19582807926630.2/37

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

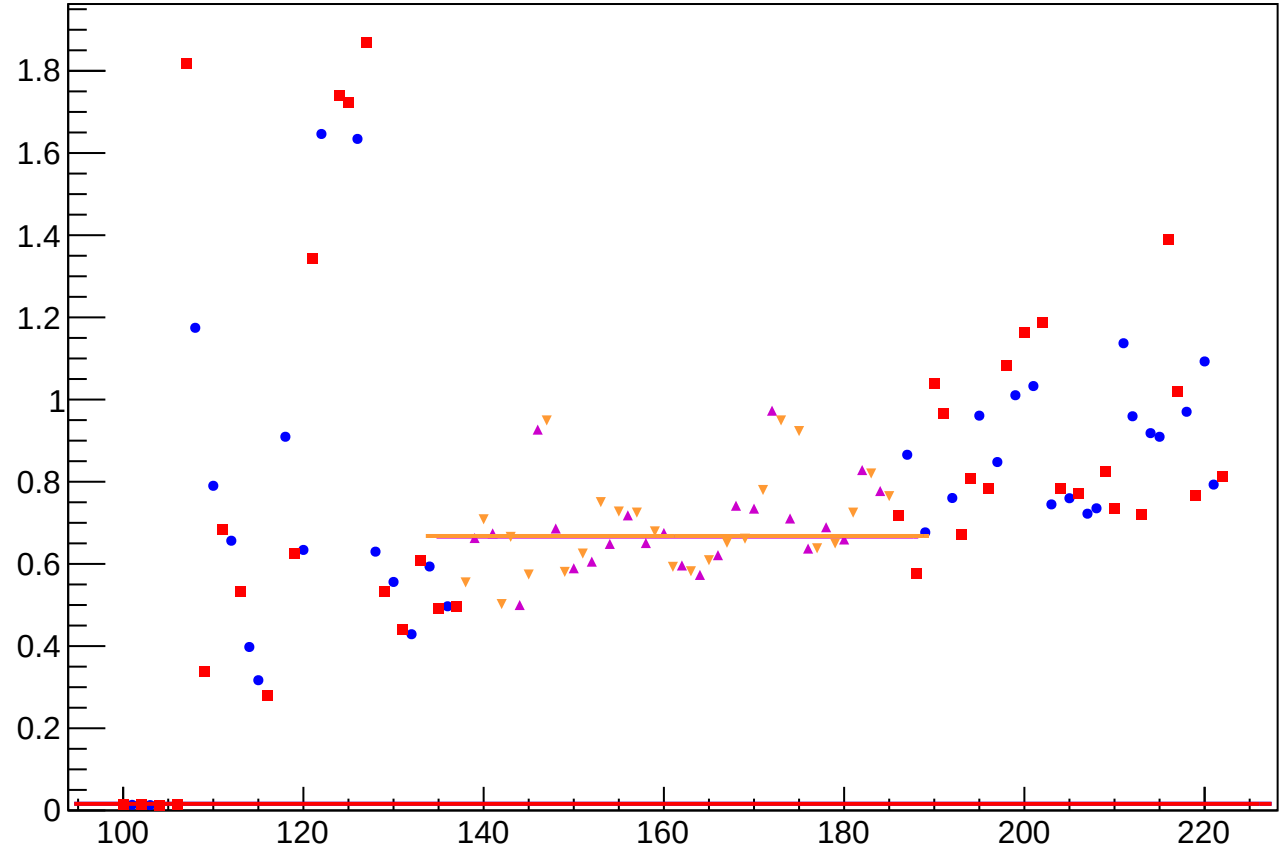
Right: 871.027+/-0.000 χ^2/NDF: 35598394708499.4

In: 867.899+/-0.000 χ^2/NDF:32468098010297.6/5

Out: 868.016+/-0.000 χ^2/NDF:36754246864682.6

All: 867.962+/-0.000 χ^2/NDF: 692223972047

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: 34353459.0/37

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

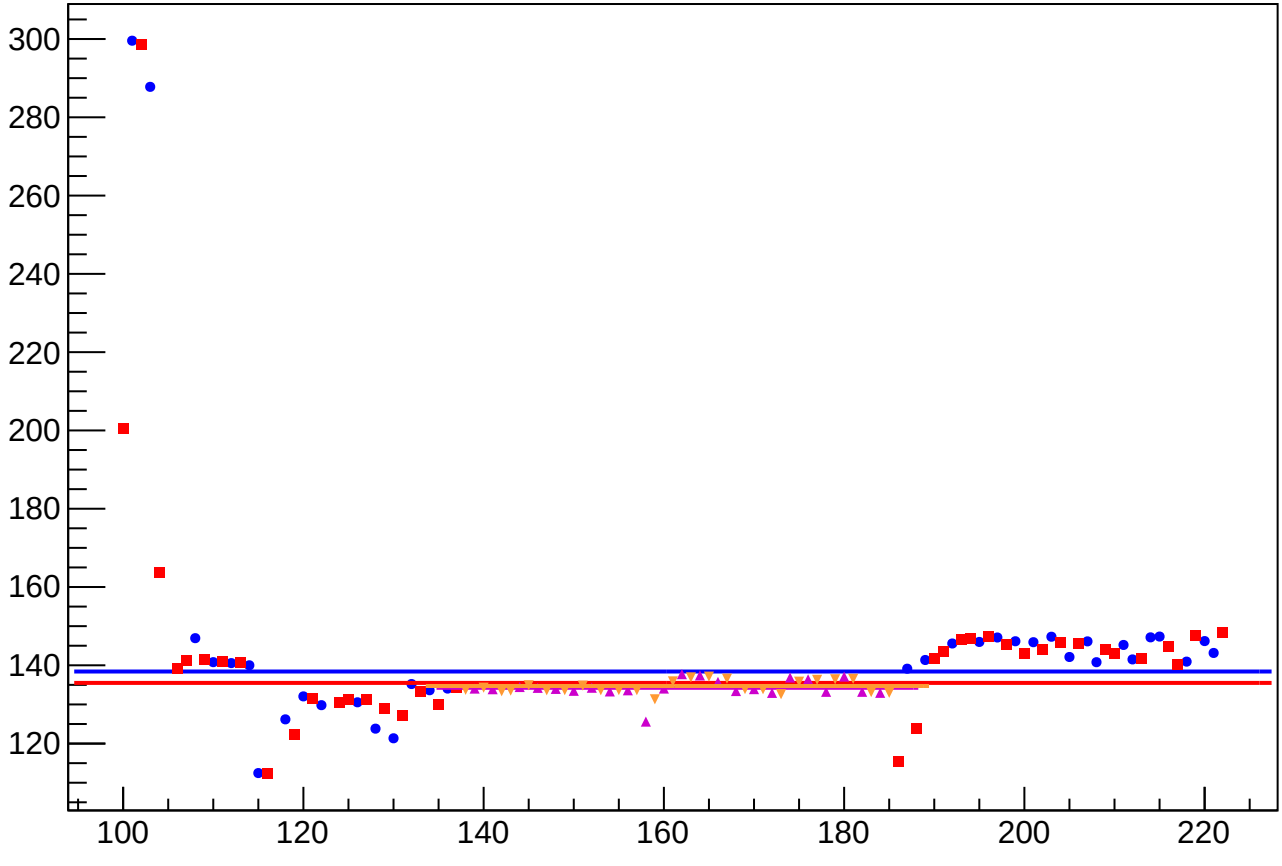
Right: 0.016+/-0.000 χ^2/NDF: 67413056.0/71

In: 0.019+/-0.000 χ^2/NDF:60869448.0/56

Out: 0.019+/-0.000 χ^2/NDF:63711972.1/62

All: 0.019+/-0.000 χ^2/NDF: 124583205.8/119

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: 135.501+/-0.000 χ^2/NDF: 5968534189.3/37

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

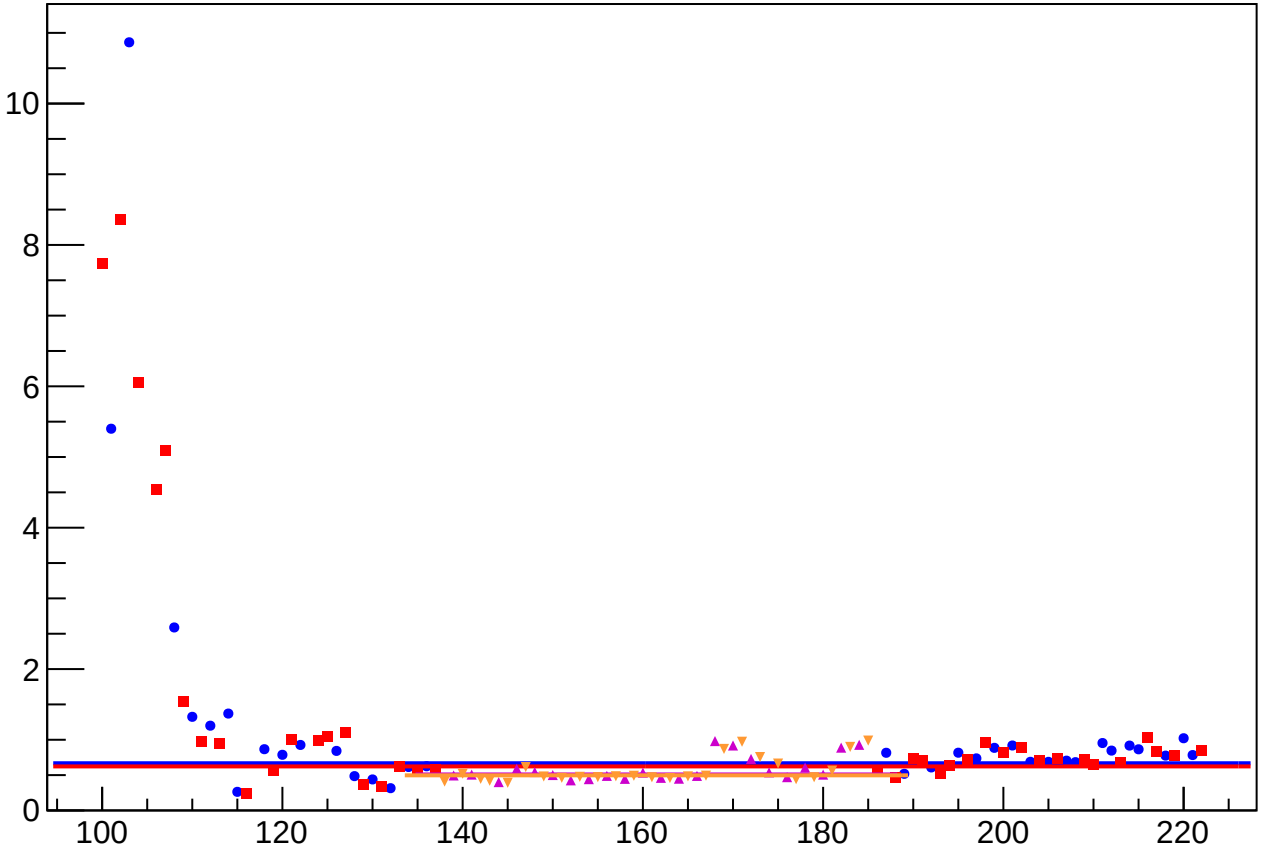
Right: 136.844+/-0.000 χ^2/NDF: 9955795299.9/71

In: 135.780+/-0.000 χ^2/NDF:4653252576.6/56

Out: 135.013+/-0.000 χ^2/NDF:6144206483.8/62

All: 135.373+/-0.000 χ^2/NDF: 10827249977.

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: 0.623+/-0.000 χ^2/NDF: 6602774.7/37

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

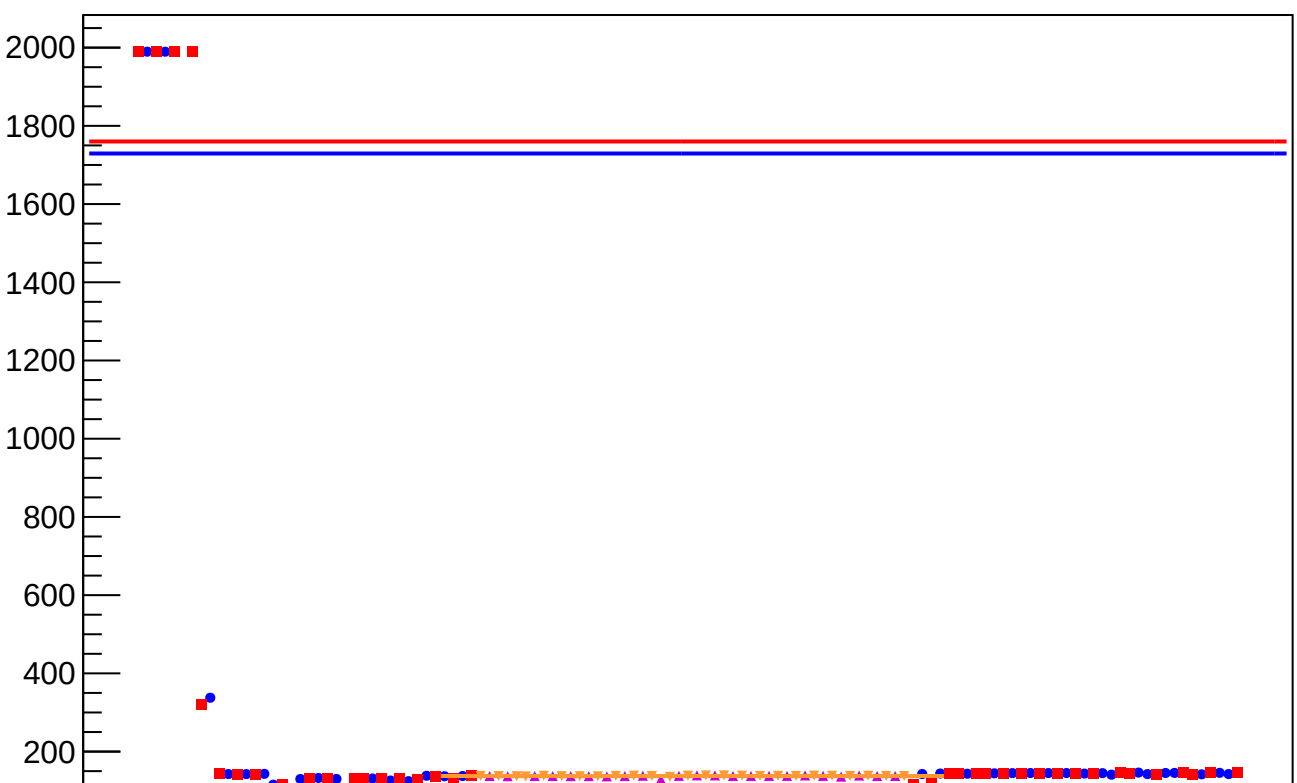
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.644+/-0.000 χ^2/NDF: 12362262.6/71

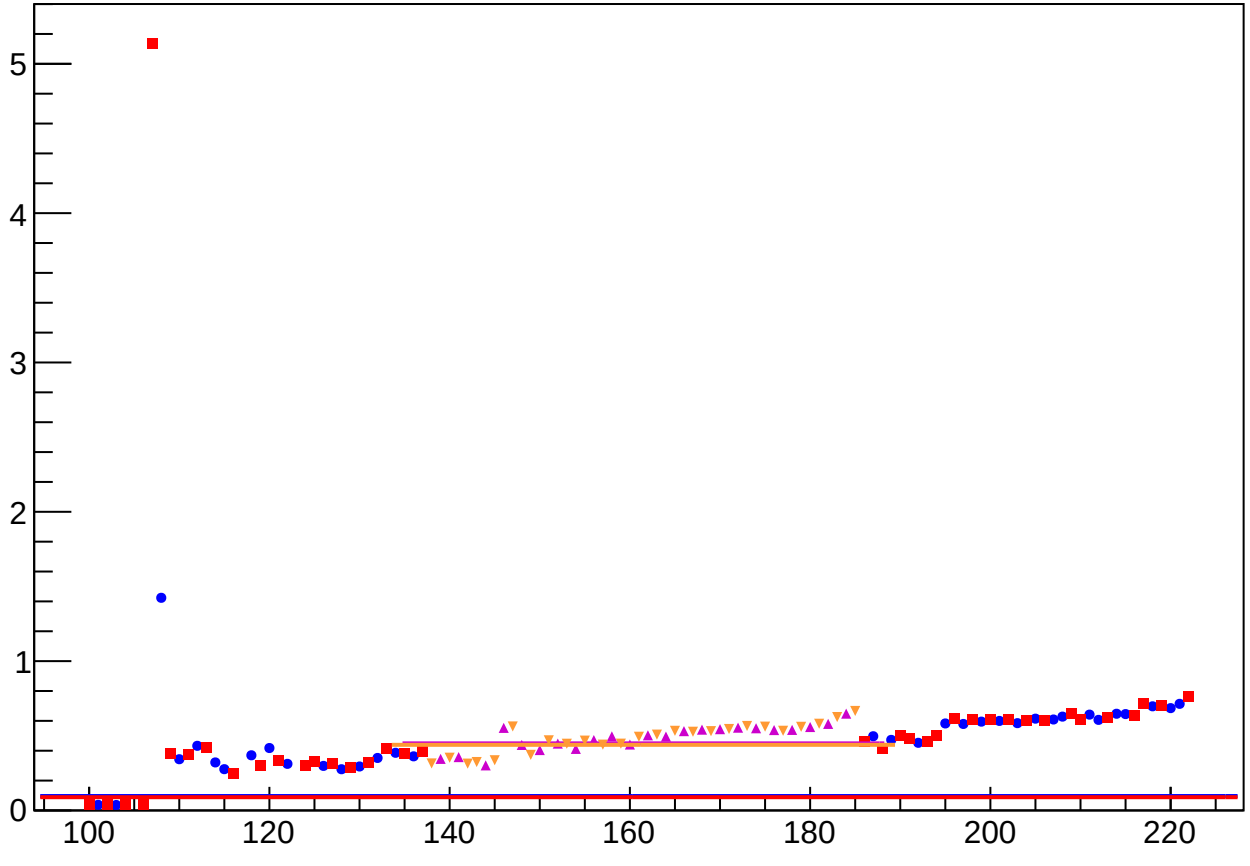
In: 0.568+/-0.000 χ^2/NDF:8281176.5/56

Out: 0.545+/-0.000 χ^2/NDF:8984902.6/62

All: 0.556+/-0.000 χ^2/NDF: 17319051.1/119


yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 1729.273+/-0.000 χ²/NDF: 252786222300629.6/33
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1760.022+/-0.000 χ²/NDF: 264452153671063.9/37
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1745.806+/-0.000 χ²/NDF: 51754851441800
In: 1534.840+/-0.000 χ²/NDF:441622199697057.
Out: 1572.279+/-0.000 χ²/NDF:480570533404280
All: 1554.902+/-0.000 χ²/NDF: 9227147435

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: 0.089+/-0.000 χ^2/NDF: 30006147.5/37

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

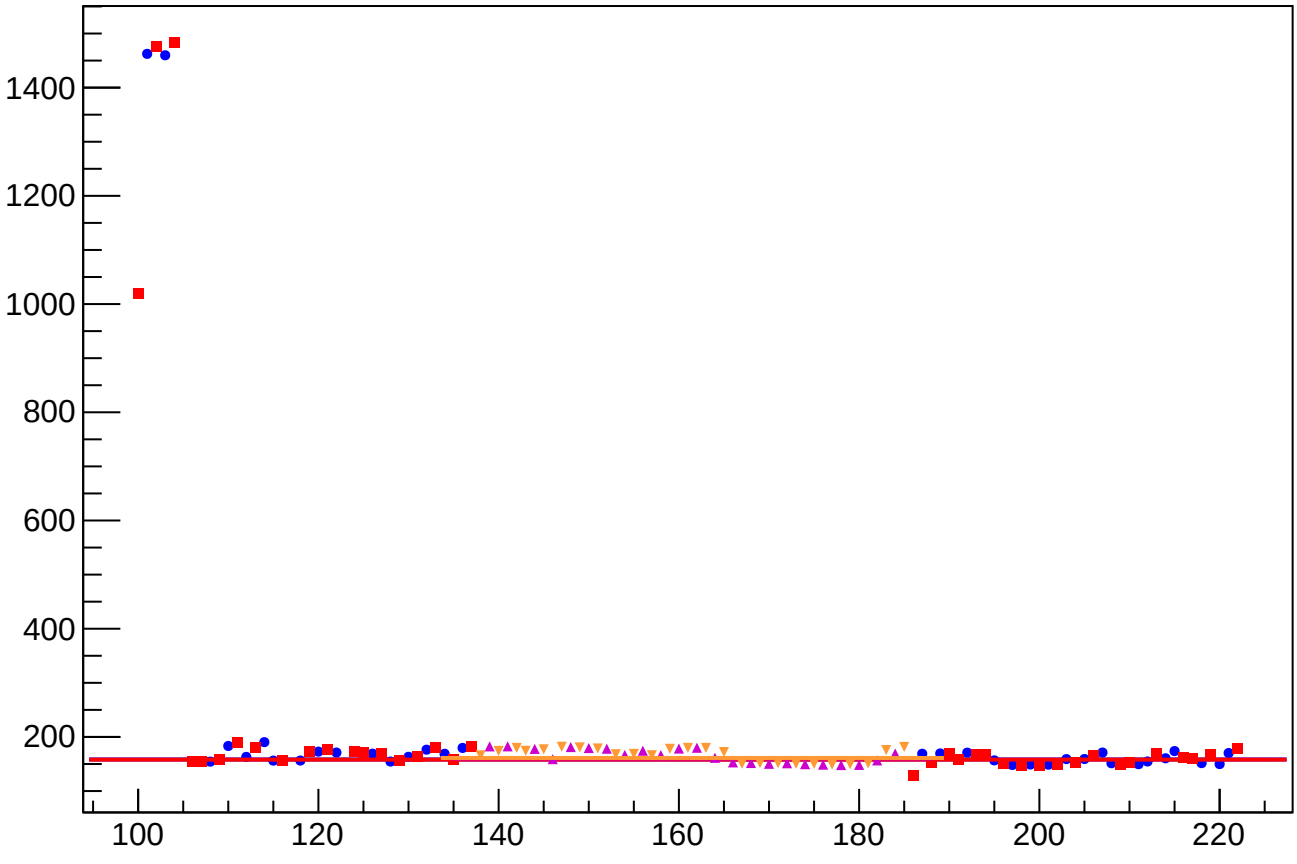
Right: 0.092+/-0.000 χ^2/NDF: 59811448.3/71

In: 0.140+/-0.000 χ^2/NDF:49646645.1/56

Out: 0.129+/-0.000 χ^2/NDF:51977772.7/62

All: 0.134+/-0.000 χ^2/NDF: 101703018.8/119

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.369+/-0.000 χ^2/NDF: 16200366175.0/33

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.068+/-0.000 χ^2/NDF: 18499743467.9/37

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

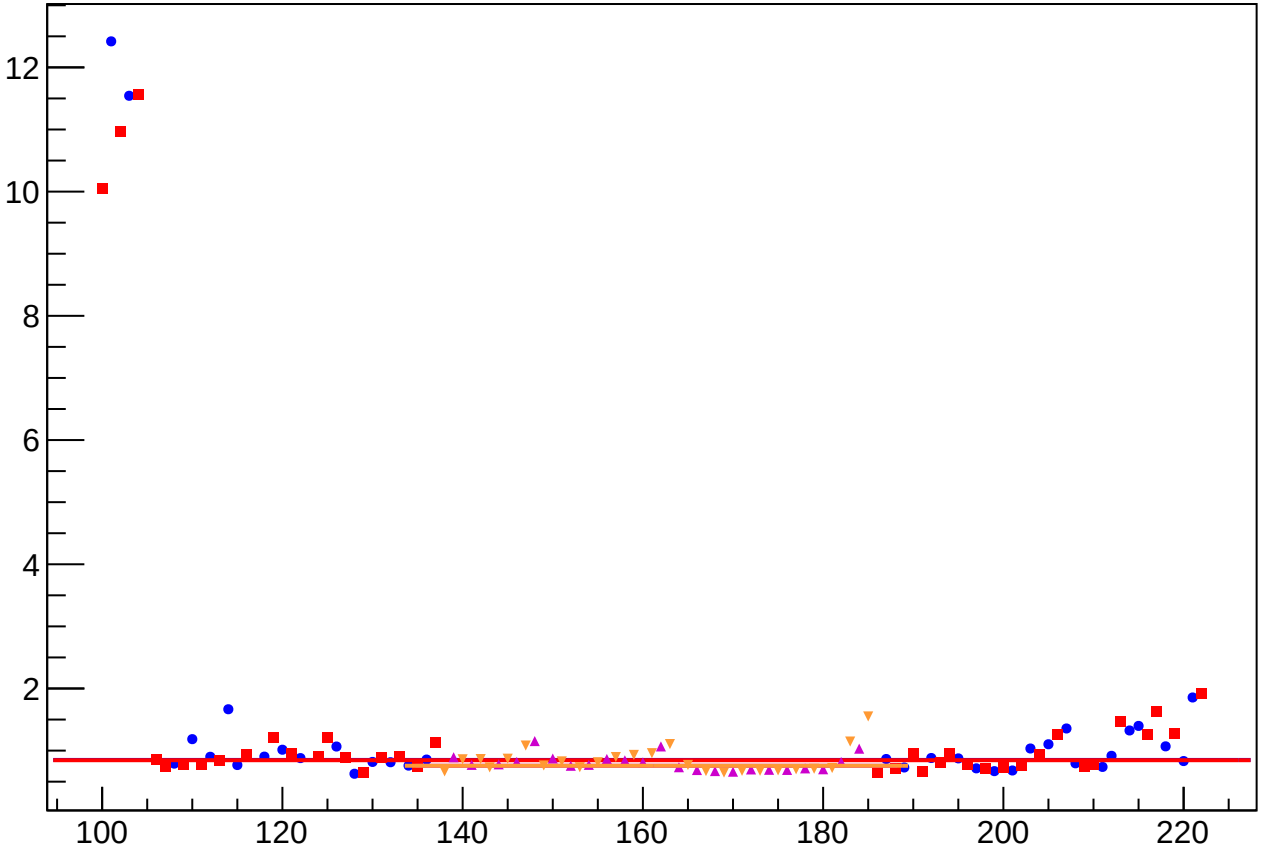
Right: 158.216+/-0.000 χ^2/NDF: 34701037301.4/71

In: 159.327+/-0.000 χ^2/NDF:19972670883.9/56

Out: 159.734+/-0.000 χ^2/NDF:22345527966.7/62

All: 159.535+/-0.000 χ^2/NDF: 42321865951.

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: 0.846+/-0.000 χ^2/NDF: 3820135.9/37

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

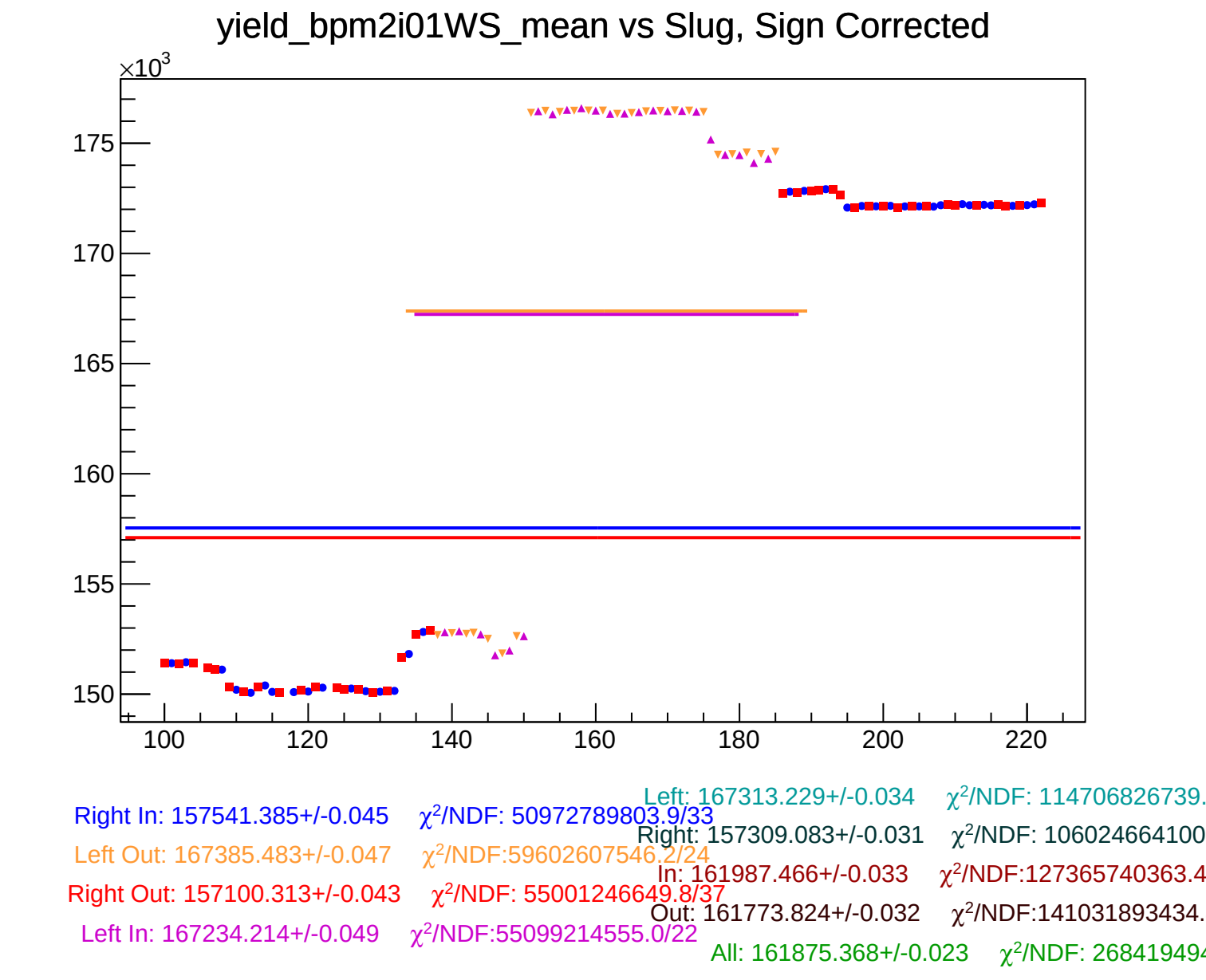
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.848+/-0.000 χ^2/NDF: 7543160.0/71

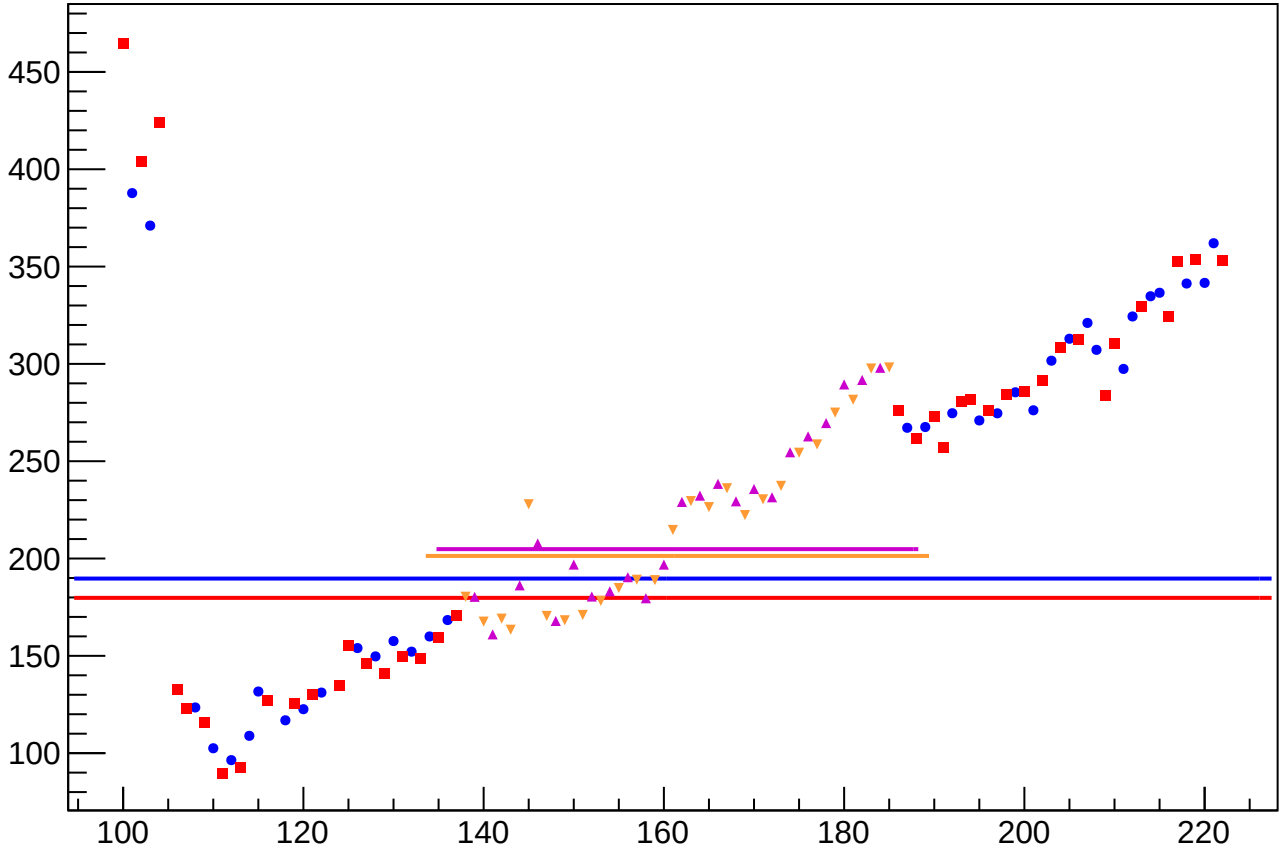
In: 0.799+/-0.000 χ^2/NDF:4387904.5/56

Out: 0.797+/-0.000 χ^2/NDF:4749482.4/62

All: 0.798+/-0.000 χ^2/NDF: 9137479.7/119


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
220
Right In: 157541.385+/-0.045 χ²/NDF: 50972789803.9/33
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 157100.313+/-0.043 χ²/NDF: 55001246649.8/37
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 157309.083+/-0.031 χ²/NDF: 106024664100
In: 161987.466+/-0.033 χ²/NDF:127365740363.4
Out: 161773.824+/-0.032 χ²/NDF:141031893434.
All: 161875.368+/-0.023 χ²/NDF: 26841949

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: 179.787+/-0.030 χ^2/NDF: 8446984.5/37

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

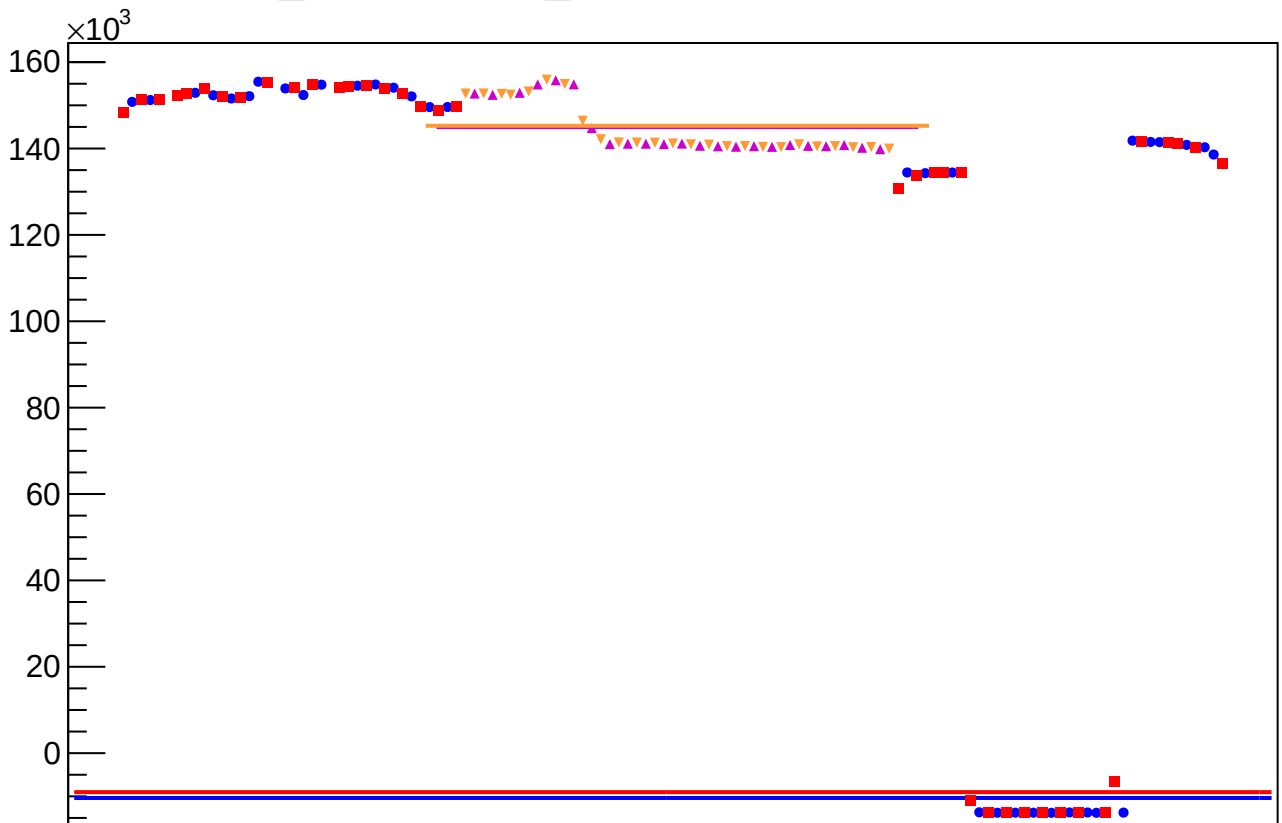
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 184.482+/-0.022 χ^2/NDF: 16214417.0/71

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 189.575+/-0.022 χ^2/NDF:9909501.0/62

All: 192.934+/-0.016 χ^2/NDF: 18830310.9/11



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: -9025.907+/-0.009 χ^2/NDF: 8008033678144.6/37

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

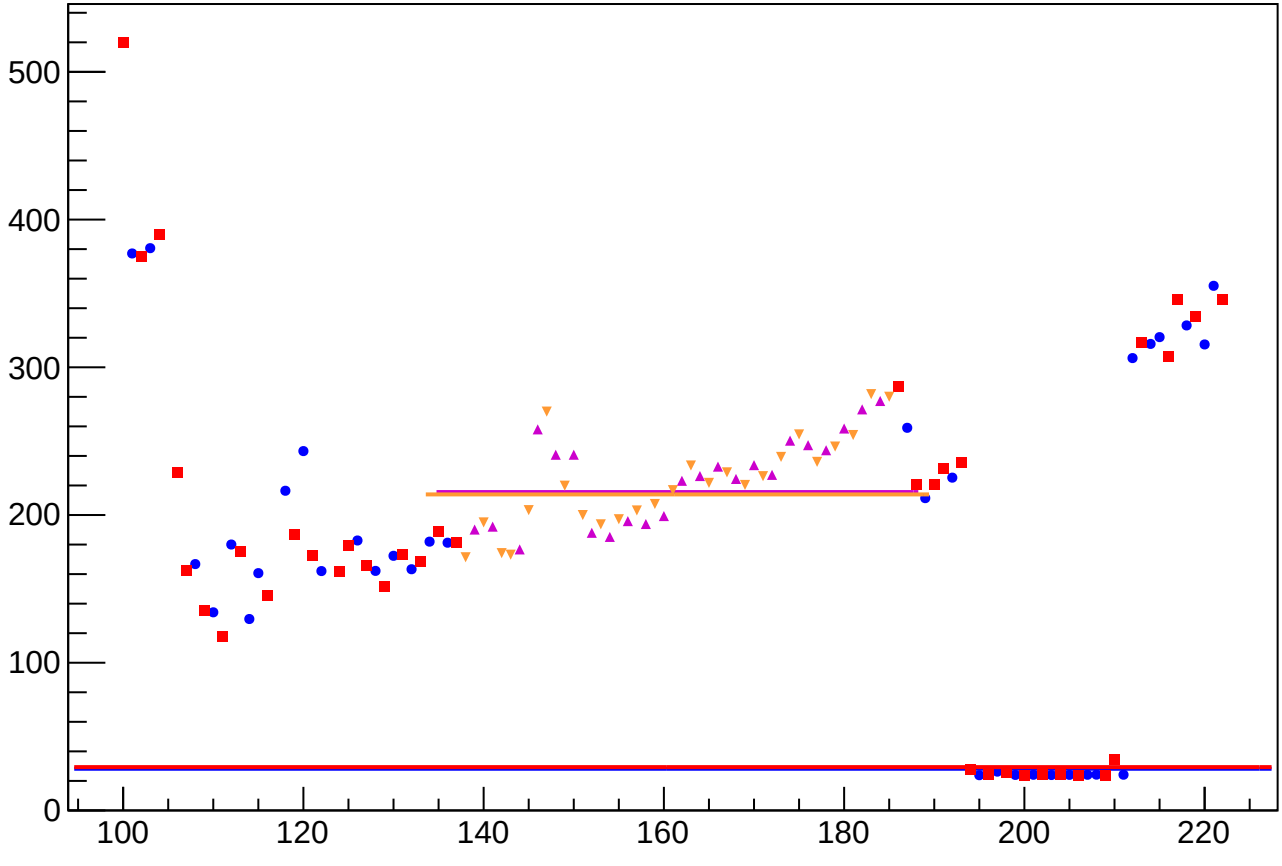
Right: -9749.862+/-0.006 χ^2/NDF: 1507527279160

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3665.282+/-0.009 χ^2/NDF:17443157059044

All: -4905.031+/-0.006 χ^2/NDF: 3349042851

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: 29.337+/-0.007 χ^2/NDF: 21511325.7/37

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

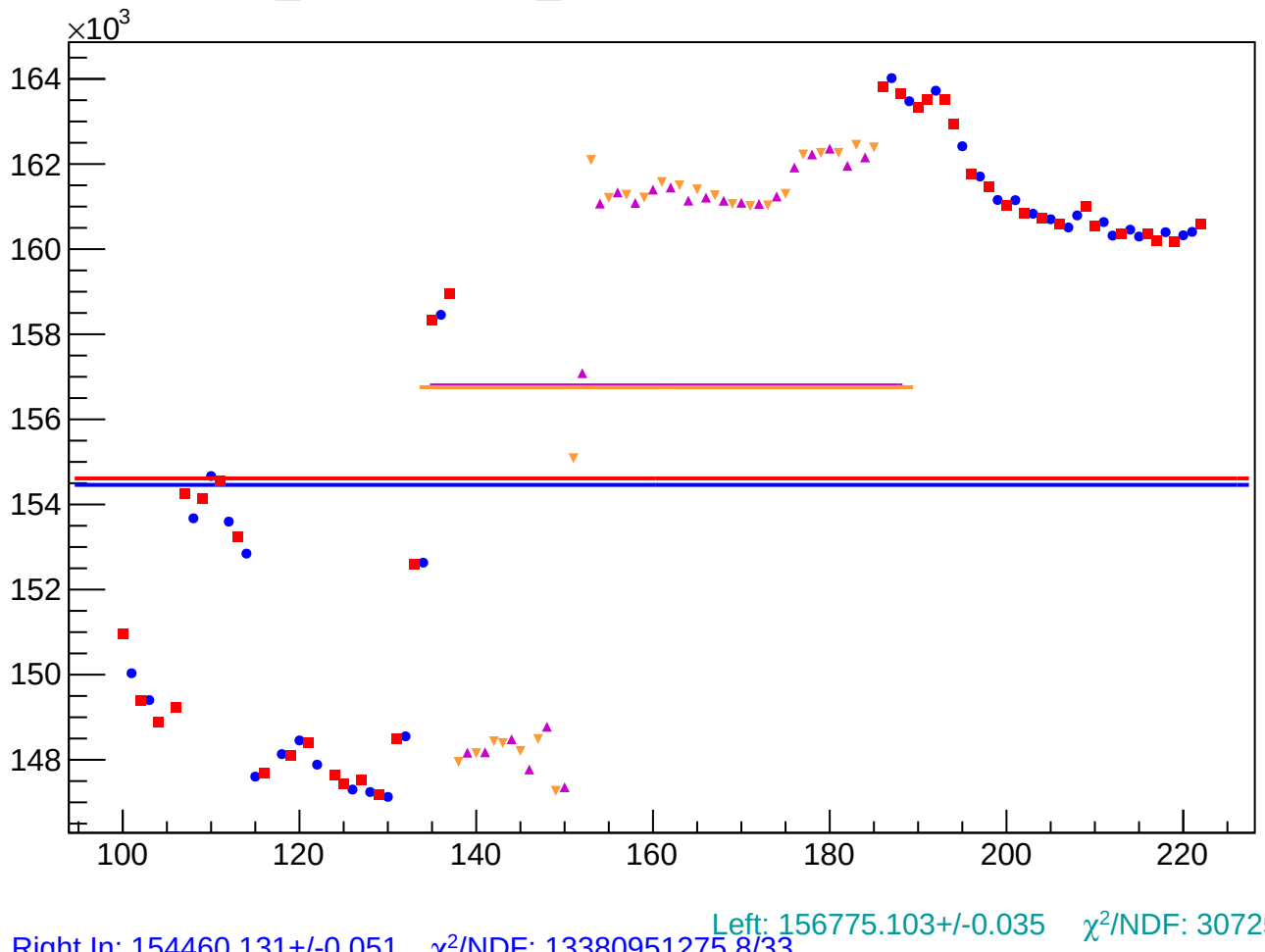
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.747+/-0.005 χ^2/NDF: 43181402.1/71

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.751+/-0.007 χ^2/NDF:49137375.4/62

All: 34.565+/-0.004 χ^2/NDF: 97460615.7/119



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: 154612.463+/-0.049 χ^2/NDF: 14020527865.4/37

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

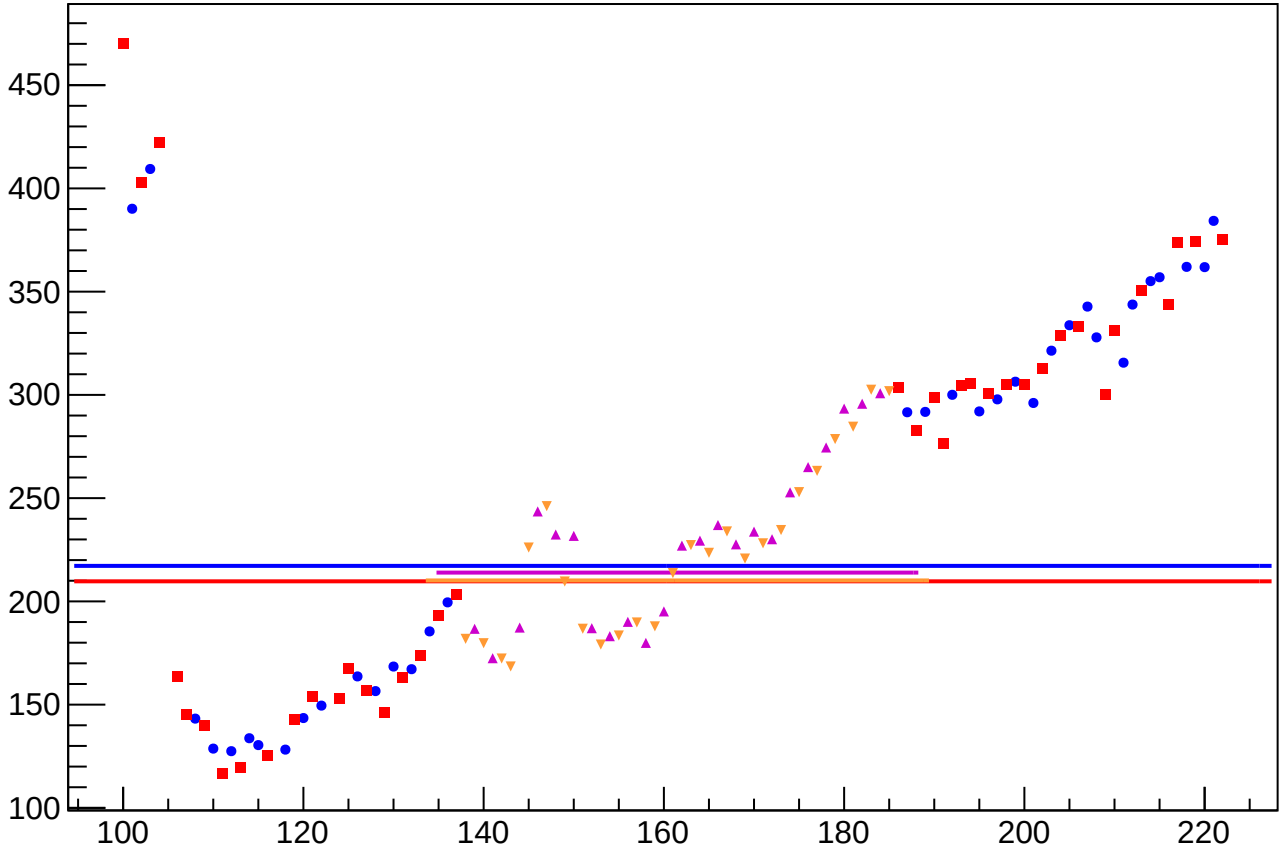
Right: 154539.070+/-0.035 χ^2/NDF: 27406182735.

In: 155620.108+/-0.036 χ^2/NDF:28785811245.2/5

Out: 155685.867+/-0.034 χ^2/NDF:31368544651.6

All: 155654.349+/-0.025 χ^2/NDF: 60156103

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: 209.717+/-0.034 χ^2/NDF: 6745253.3/37

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

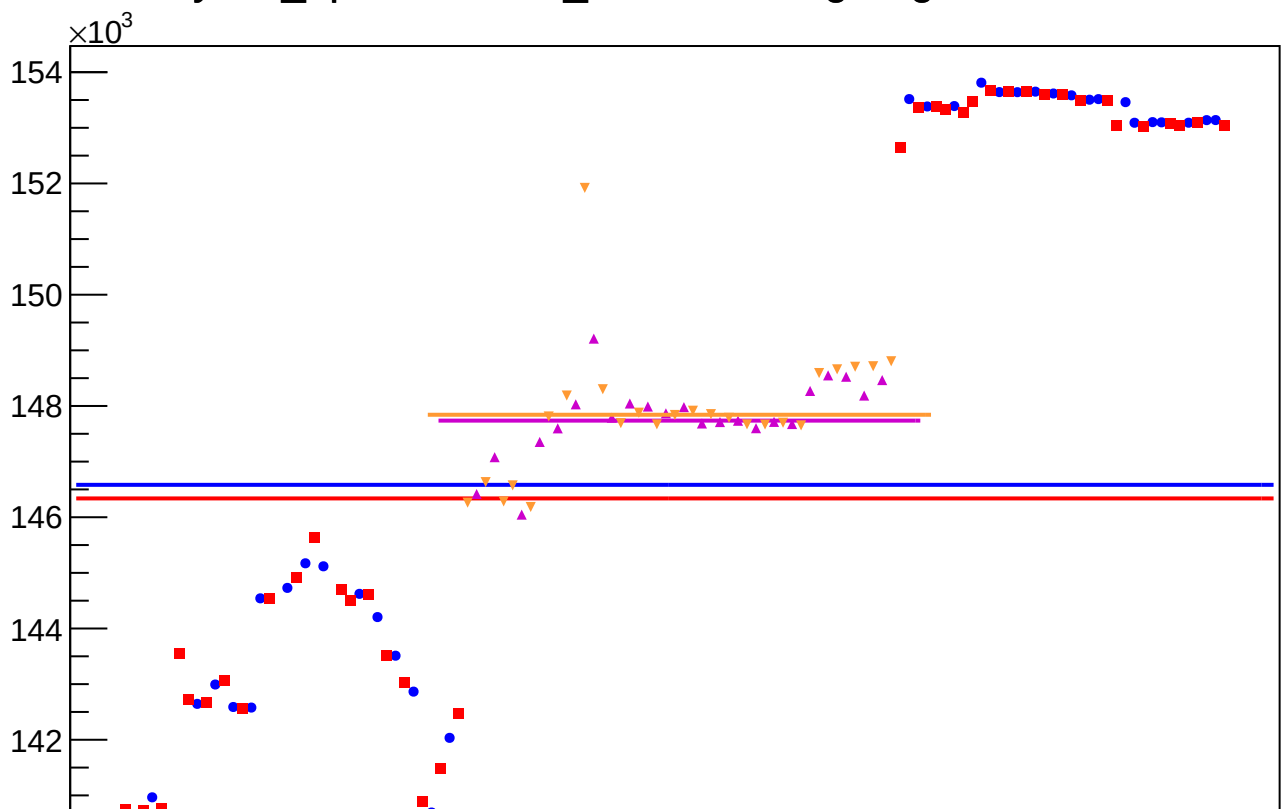
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 213.321+/-0.025 χ^2/NDF: 13162498.8/71

In: 215.584+/-0.025 χ^2/NDF:7313127.0/56

Out: 209.930+/-0.024 χ^2/NDF:7743132.4/62

All: 212.640+/-0.018 χ^2/NDF: 15082107.2/11



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: 146338.073+/-0.041 χ^2/NDF: 13068093429.9/37

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

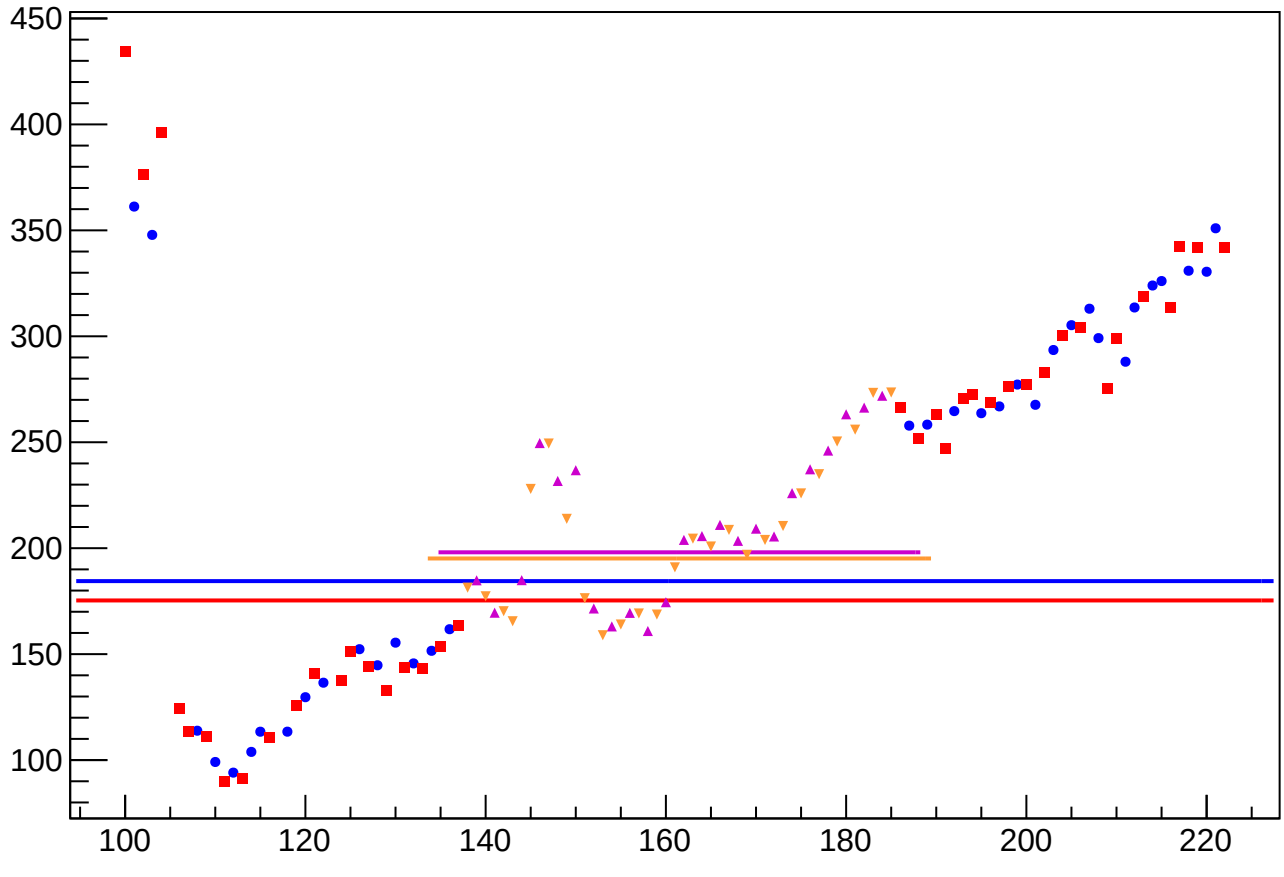
Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

Right: 146453.875+/-0.030 χ^2/NDF: 25347246519.8

In: 147115.724+/-0.032 χ^2/NDF:12811778347.1/5

Out: 147027.168+/-0.031 χ^2/NDF:14382998313.8/

All: 147069.293+/-0.022 χ^2/NDF: 27198774



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: 175.337+/-0.029 χ^2/NDF: 8259822.4/37

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

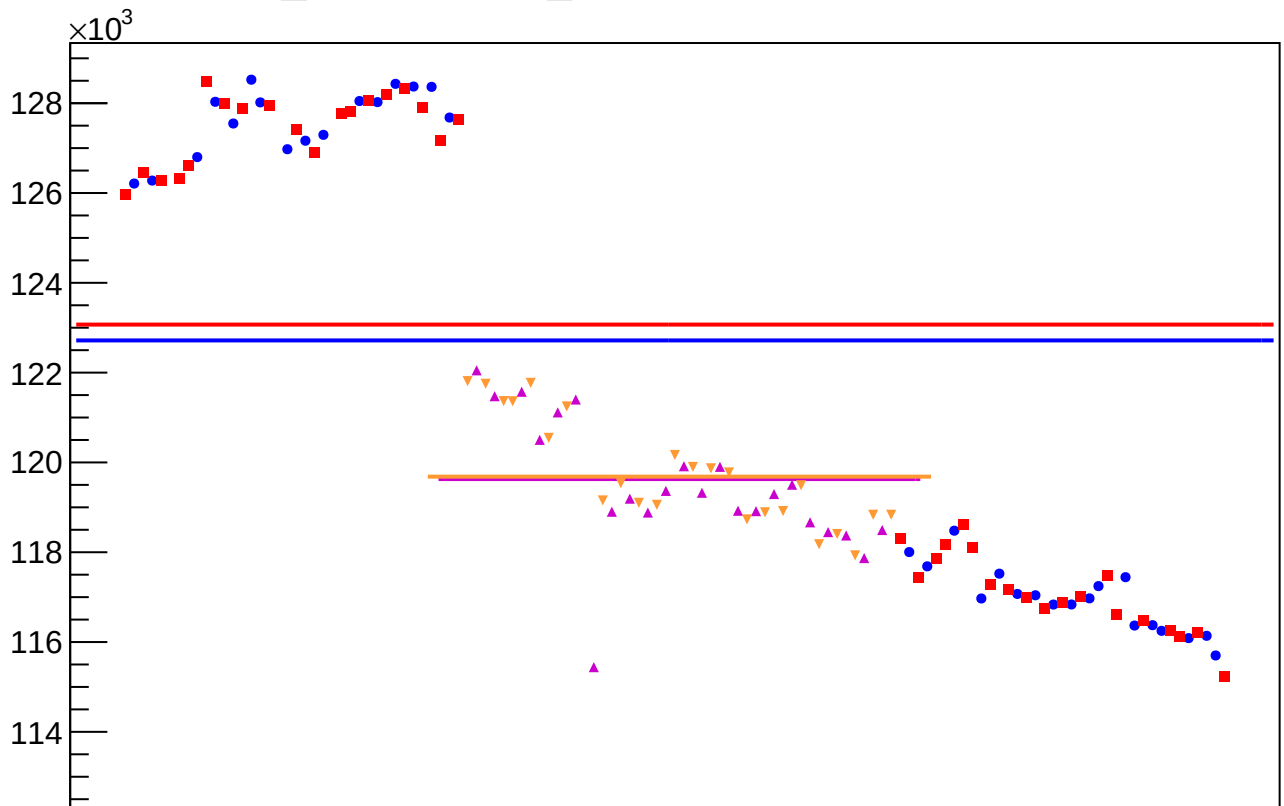
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 179.663+/-0.021 χ^2/NDF: 15944574.6/71

In: 190.744+/-0.023 χ^2/NDF:8628556.2/56

Out: 184.412+/-0.022 χ^2/NDF:9372584.7/62

All: 187.424+/-0.016 χ^2/NDF: 18042016.4/11



Right In: 122717.075+/-0.043 χ^2/NDF: 15894390237.2/33

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123069.821+/-0.041 χ^2/NDF: 16708899515.4/37

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

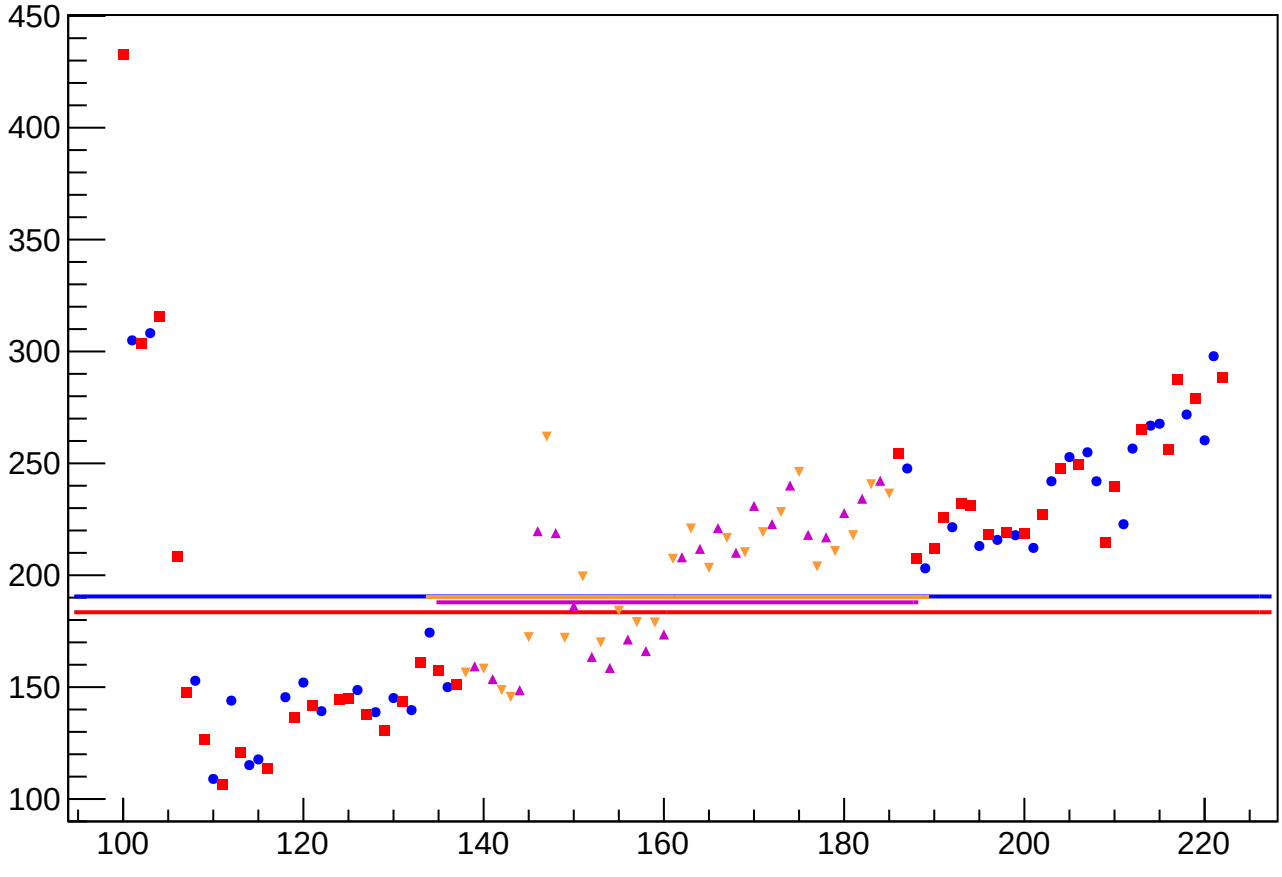
Right: 122900.071+/-0.030 χ^2/NDF: 32638662897.3

In: 121253.123+/-0.031 χ^2/NDF:19688464771.5/5

Out: 121500.255+/-0.030 χ^2/NDF:21834748367.6

All: 121380.091+/-0.022 χ^2/NDF: 41555912

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: 183.465+/-0.029 χ^2/NDF: 3951253.3/37

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

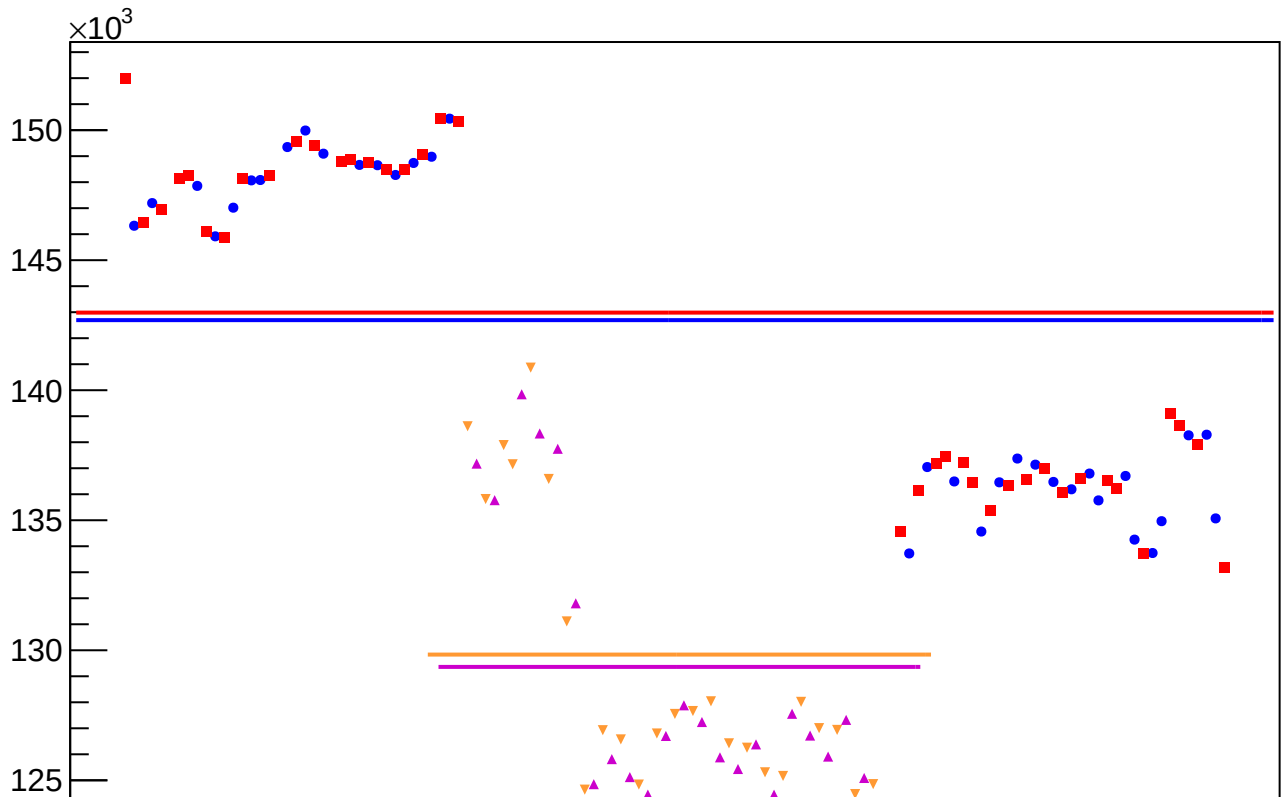
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 186.863+/-0.021 χ^2/NDF: 7340983.7/71

In: 189.285+/-0.022 χ^2/NDF:4290972.7/56

Out: 186.632+/-0.021 χ^2/NDF:4901364.0/62

All: 187.922+/-0.015 χ^2/NDF: 9199877.4/119



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: 142984.124+/-0.057 χ^2/NDF: 11276197163.6/37

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

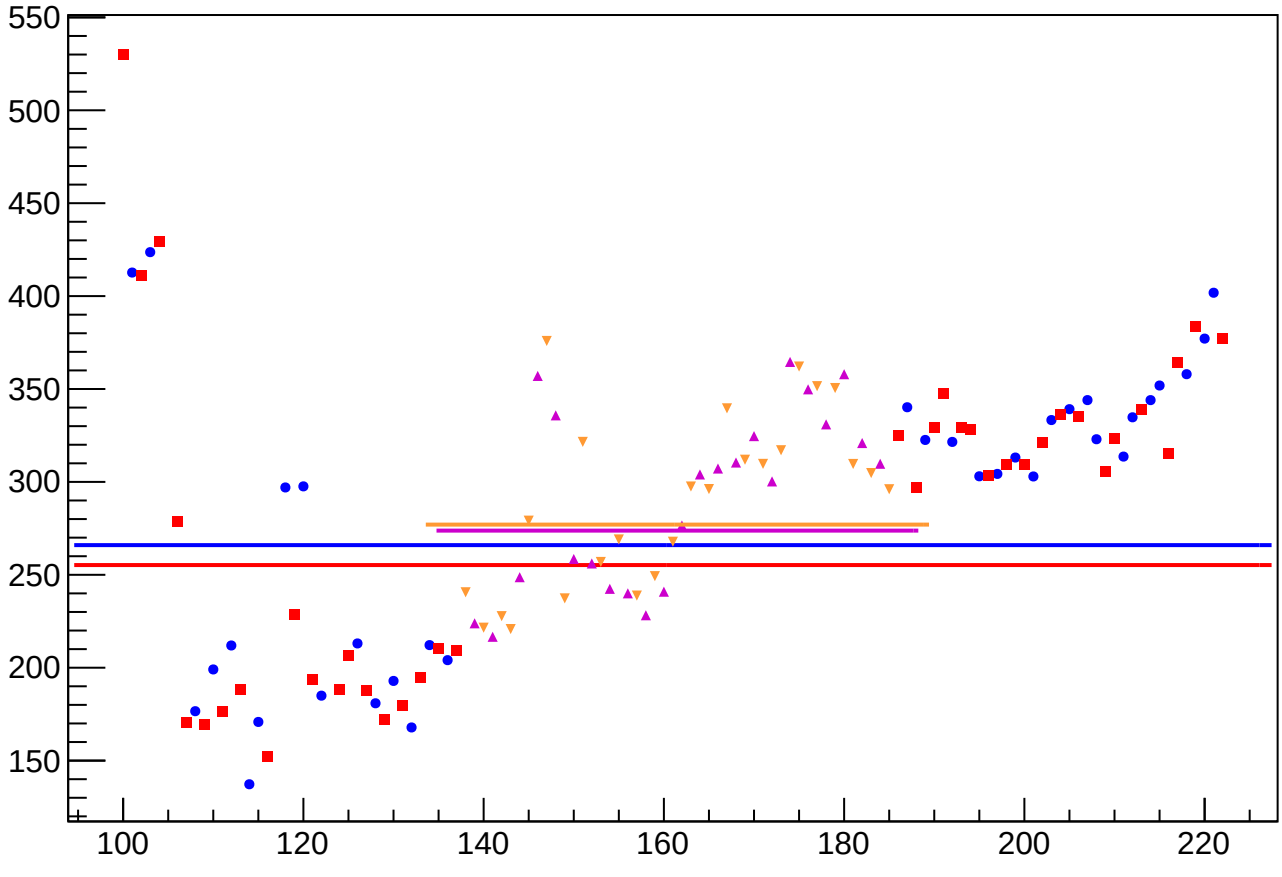
Right: 142845.623+/-0.041 χ^2/NDF: 22461685844.8

In: 136642.904+/-0.044 χ^2/NDF:40534589732.5/5

Out: 137185.293+/-0.043 χ^2/NDF:41522868127.9

All: 136922.826+/-0.031 χ^2/NDF: 82135784

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: 255.248+/-0.040 χ^2/NDF: 3589655.0/37

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

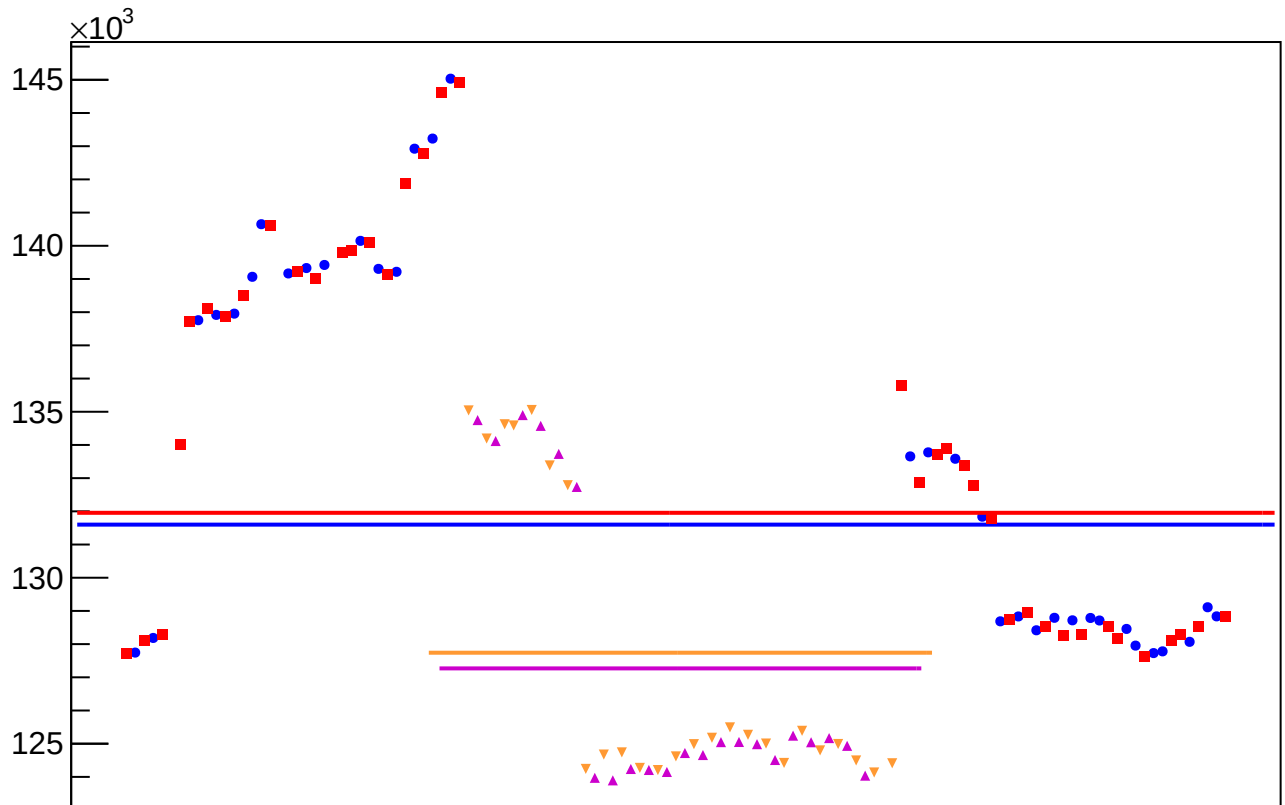
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 260.378+/-0.029 χ^2/NDF: 6950847.1/71

In: 269.521+/-0.031 χ^2/NDF:4346821.4/56

Out: 264.849+/-0.030 χ^2/NDF:4664858.1/62

All: 267.110+/-0.022 χ^2/NDF: 9023301.6/119



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: 131955.758+/-0.096 χ^2/NDF: 2289480276.6/37

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

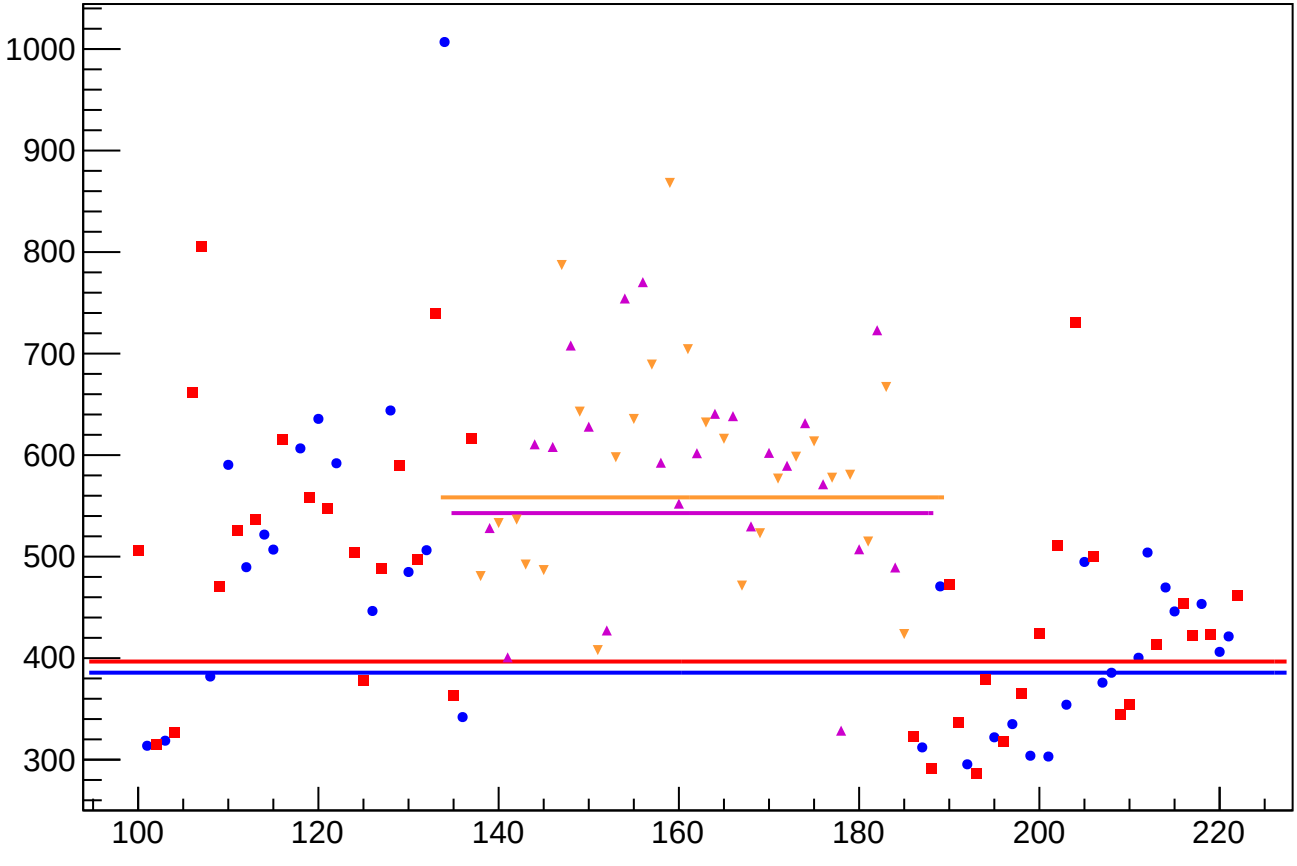
Right: 131772.461+/-0.067 χ^2/NDF: 5330466164.7/

In: 130258.007+/-0.077 χ^2/NDF:4679286968.7/56

Out: 130554.895+/-0.078 χ^2/NDF:4027186337.8/6

All: 130404.501+/-0.055 χ^2/NDF: 871378173

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: 396.657+/-0.068 χ^2/NDF: 2067110.8/37

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

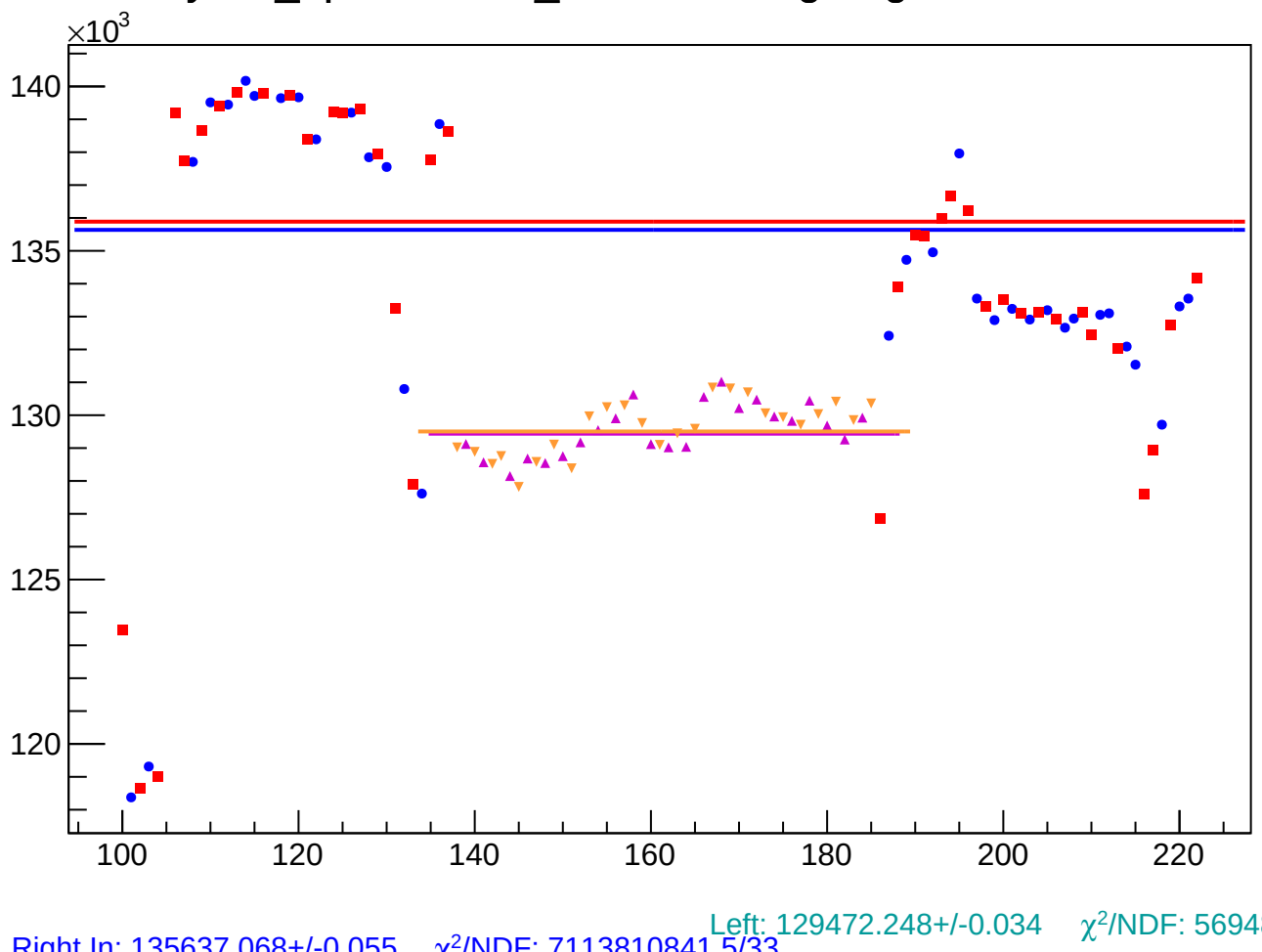
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 391.012+/-0.047 χ^2/NDF: 3893670.8/71

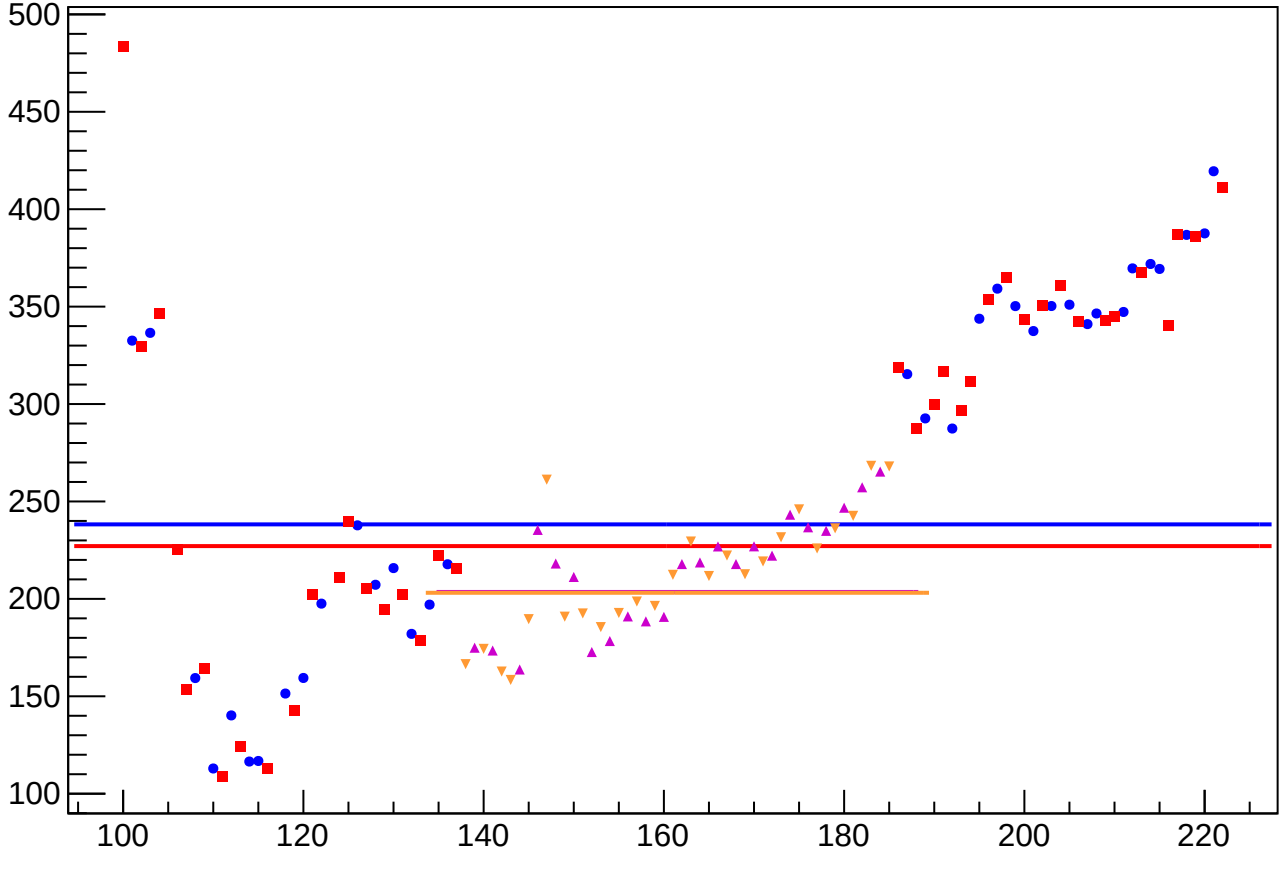
In: 434.386+/-0.055 χ^2/NDF:5005022.7/56

Out: 450.409+/-0.055 χ^2/NDF:4935171.6/62

All: 442.292+/-0.039 χ^2/NDF: 9982769.0/119


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
120
140
160
180
200
220
Right In: 135637.068+/-0.055 χ²/NDF: 7113810841.5/33
Left Out: 129504.922+/-0.047 χ²/NDF:299464438.2/24
Right Out: 135886.965+/-0.053 χ²/NDF: 7872165852.0/37
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
Left: 129472.248+/-0.034 χ²/NDF: 569486507.5/47
Right: 135767.938+/-0.038 χ²/NDF: 14996602905.
In: 132118.852+/-0.036 χ²/NDF:14469756230.7/5
Out: 132319.746+/-0.035 χ²/NDF:16304823082.9
All: 132223.078+/-0.025 χ²/NDF: 30790309

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: 227.089+/-0.037 χ^2/NDF: 6676999.2/37

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

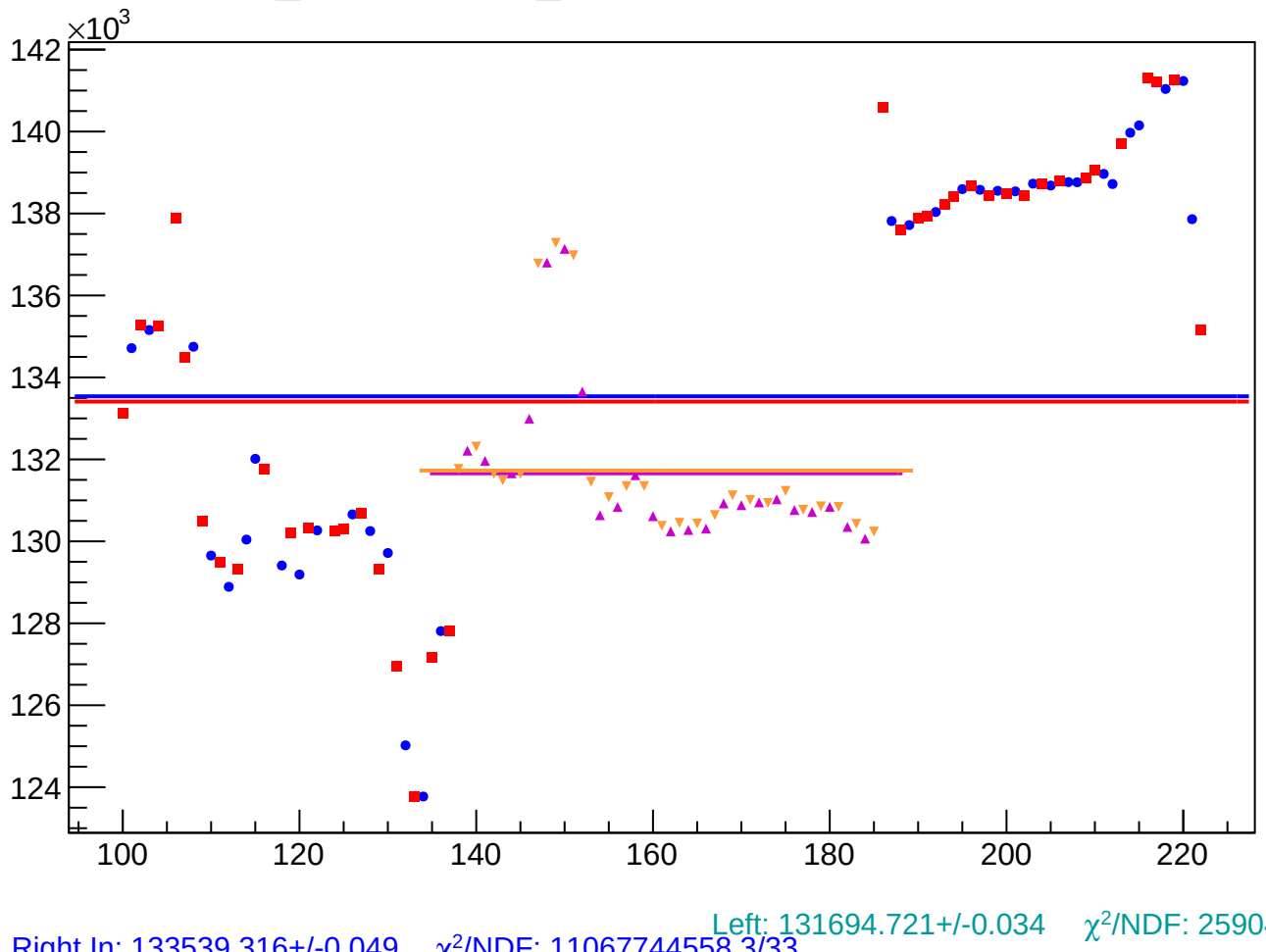
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 232.398+/-0.027 χ^2/NDF: 12778825.3/71

In: 218.549+/-0.026 χ^2/NDF:7169344.2/56

Out: 213.697+/-0.025 χ^2/NDF:7664717.9/62

All: 216.032+/-0.018 χ^2/NDF: 14852418.1/11



Right In: 133539.316+/-0.049 χ^2/NDF: 11067744558.3/33

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133411.082+/-0.047 χ^2/NDF: 10946970020.6/37

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

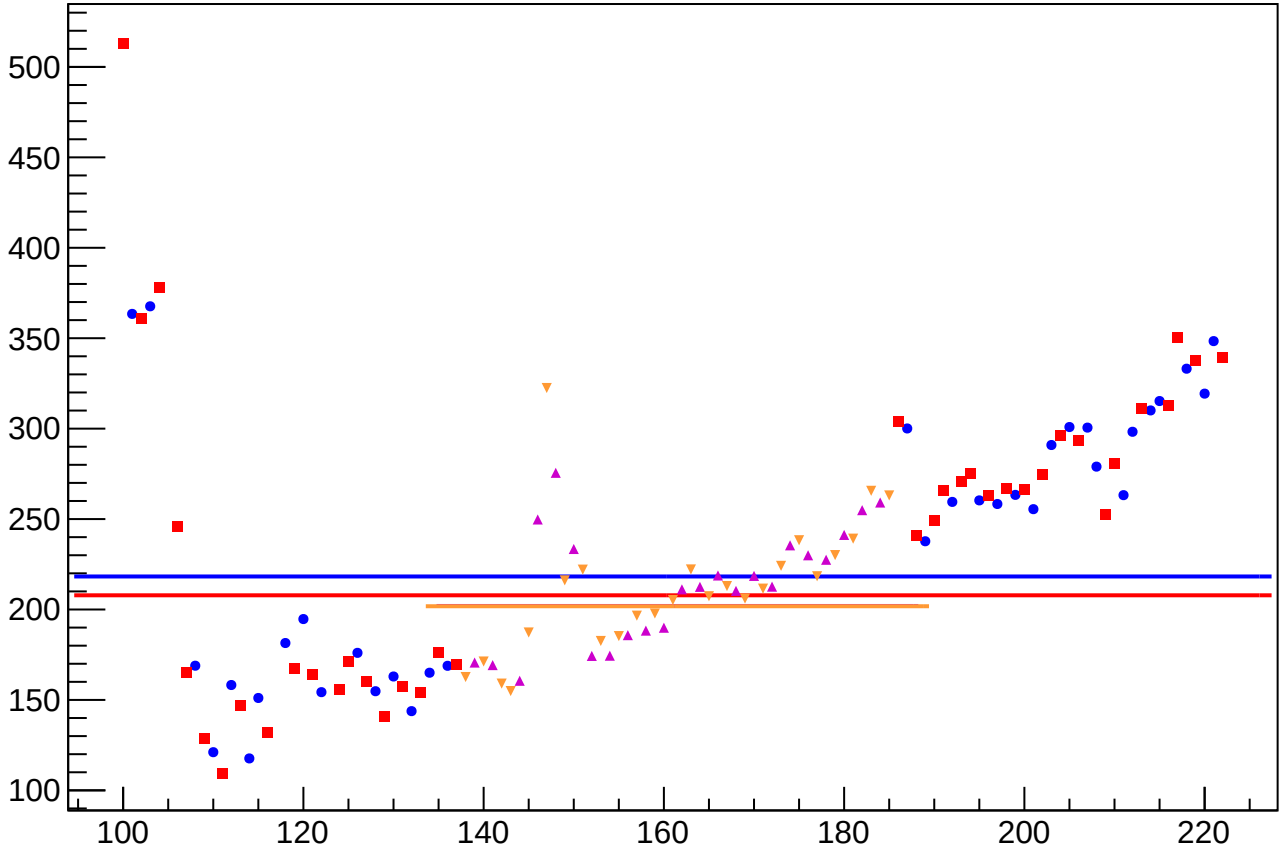
Right: 133472.328+/-0.034 χ^2/NDF: 22018224808.4

In: 132575.038+/-0.035 χ^2/NDF:12972452577.9/5

Out: 132560.929+/-0.033 χ^2/NDF:13011887248.9

All: 132567.728+/-0.024 χ^2/NDF: 25984426

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: 207.852+/-0.033 χ^2/NDF: 4918227.9/37

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 212.823+/-0.024 χ^2/NDF: 8997878.0/71

In: 209.888+/-0.024 χ^2/NDF:4947730.7/56

Out: 204.796+/-0.024 χ^2/NDF:5840120.1/62

All: 207.250+/-0.017 χ^2/NDF: 10810409.6/11

Right In: 3573.936+/-0.005 χ^2/NDF: 5893255619501.5/33

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3999.813+/-0.005 χ^2/NDF: 6574516935188.3/37

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

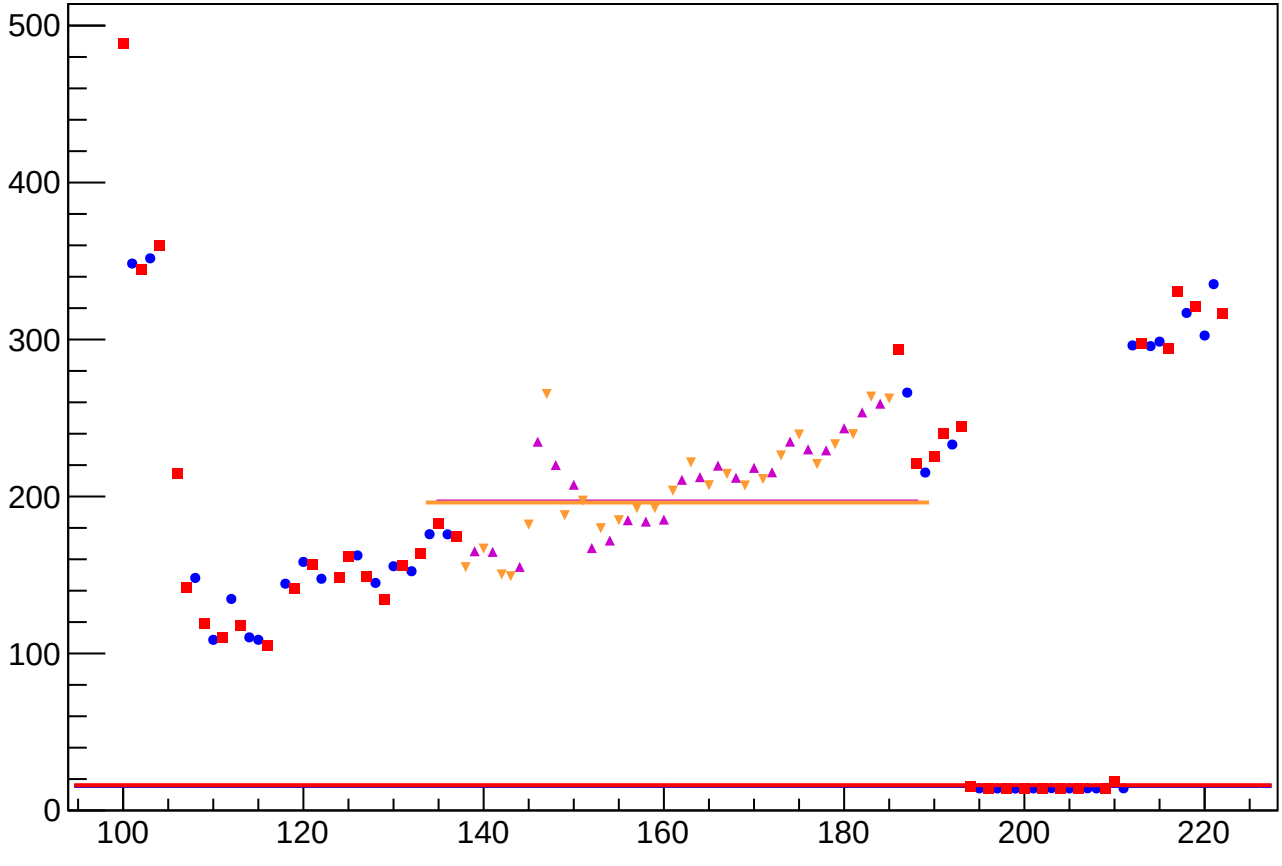
Right: 3770.757+/-0.004 χ^2/NDF: 1247105580673

In: 5010.720+/-0.005 χ^2/NDF:12940480608234.5

Out: 5769.755+/-0.005 χ^2/NDF:14024494482222.

All: 5362.024+/-0.004 χ^2/NDF: 2697554095

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.623+/-0.004 χ^2/NDF: 24102191.8/33

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 16.070+/-0.004 χ^2/NDF: 24148917.7/37

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

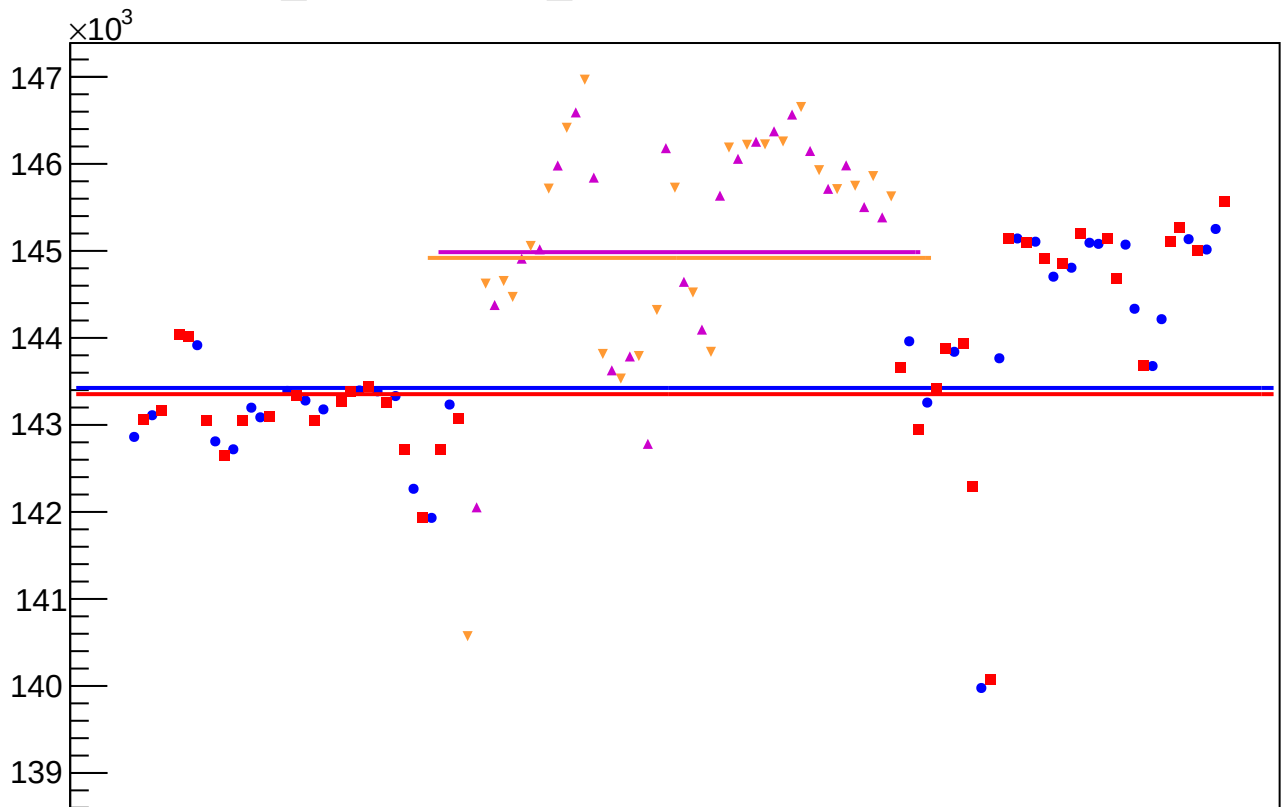
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.829+/-0.003 χ^2/NDF: 48258358.4/71

In: 17.702+/-0.004 χ^2/NDF:54396156.6/56

Out: 18.620+/-0.004 χ^2/NDF:55986643.0/62

All: 18.127+/-0.003 χ^2/NDF: 110413679.6/11



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: 143353.633+/-0.050 χ^2/NDF: 366046137.6/37

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

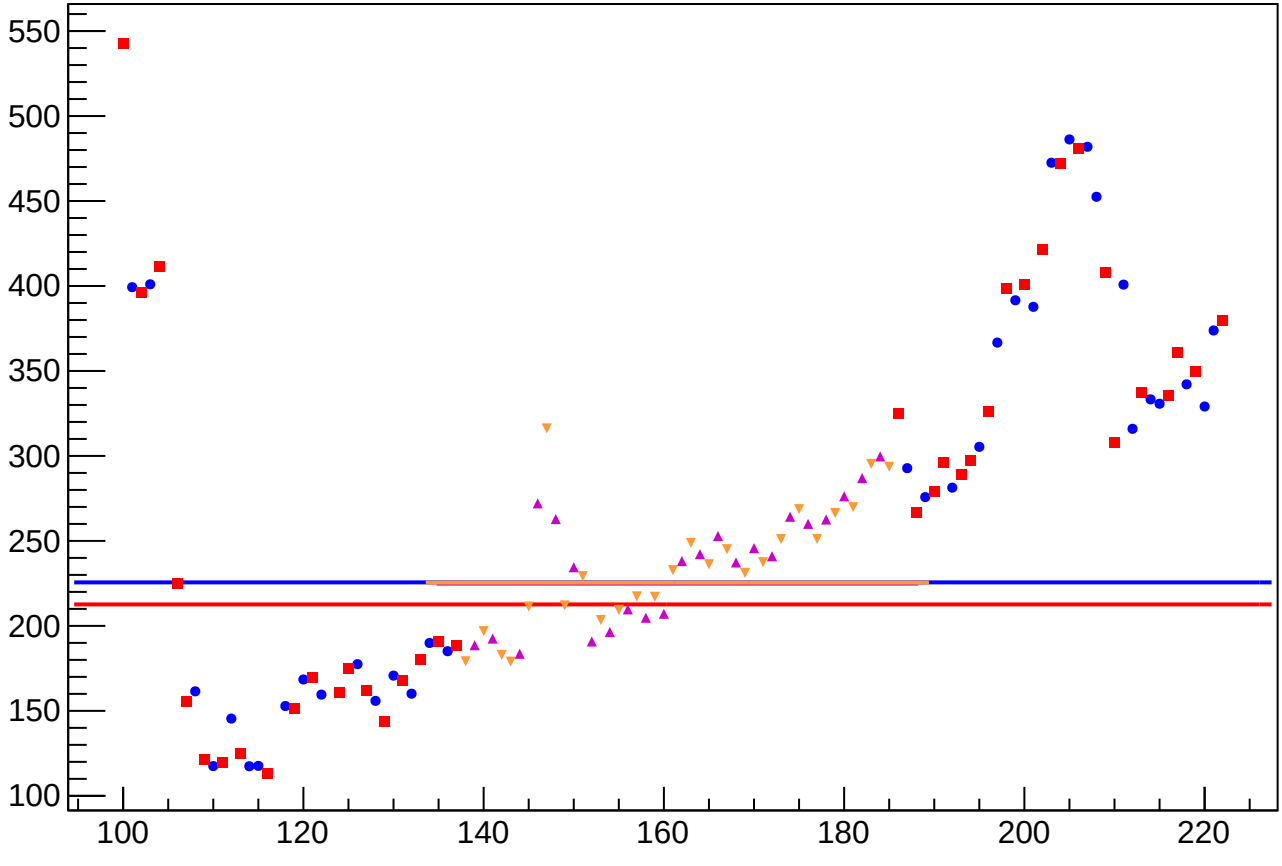
Right: 143387.255+/-0.037 χ^2/NDF: 713146605.4/7

In: 144202.100+/-0.038 χ^2/NDF:1390938469.6/56

Out: 144108.379+/-0.036 χ^2/NDF:1667083823.4/6

All: 144153.287+/-0.026 χ^2/NDF: 30612310

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: 212.632+/-0.036 χ^2/NDF: 8089318.0/37

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

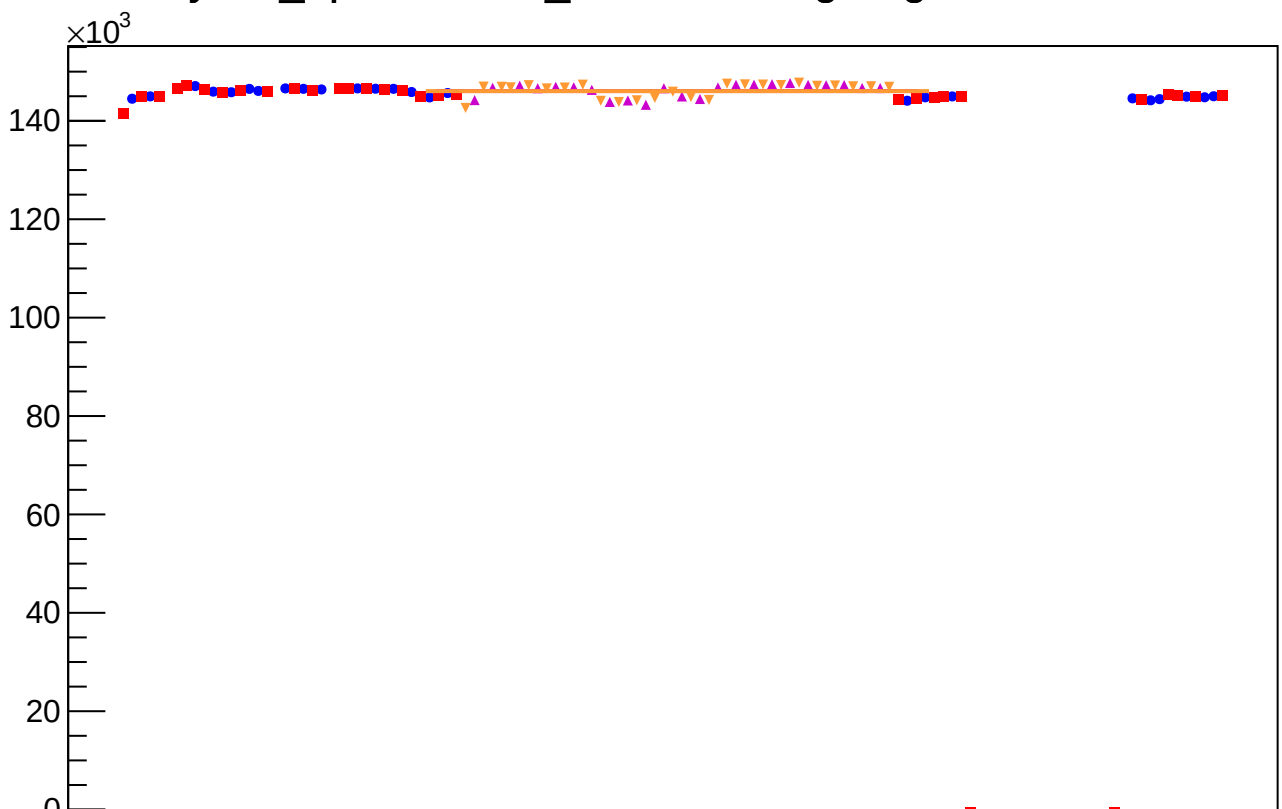
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 218.744+/-0.026 χ^2/NDF: 15537069.3/71

In: 225.236+/-0.027 χ^2/NDF:8109300.9/56

Out: 218.824+/-0.026 χ^2/NDF:8927356.1/62

All: 221.896+/-0.019 χ^2/NDF: 17066619.0/1



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: -825.794+/-0.003 χ^2/NDF: 7211266137231.6/37

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

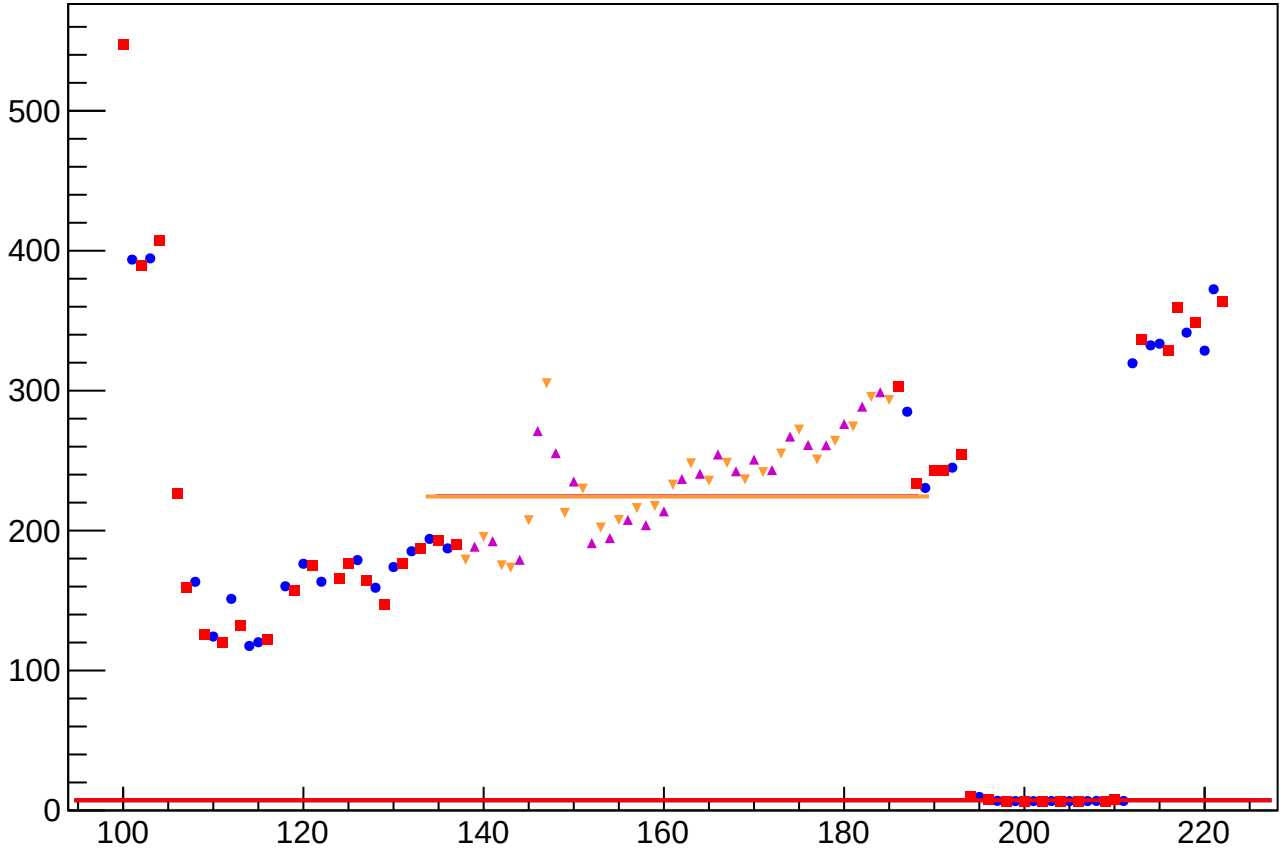
Right: -877.955+/-0.002 χ^2/NDF: 13581799135476

In: -602.956+/-0.003 χ^2/NDF:13884323049583.7/

Out: -435.374+/-0.003 χ^2/NDF:15165093143632.8

All: -525.014+/-0.002 χ^2/NDF: 29051505249

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: 7.314+/-0.002 χ^2/NDF: 26546491.7/37

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

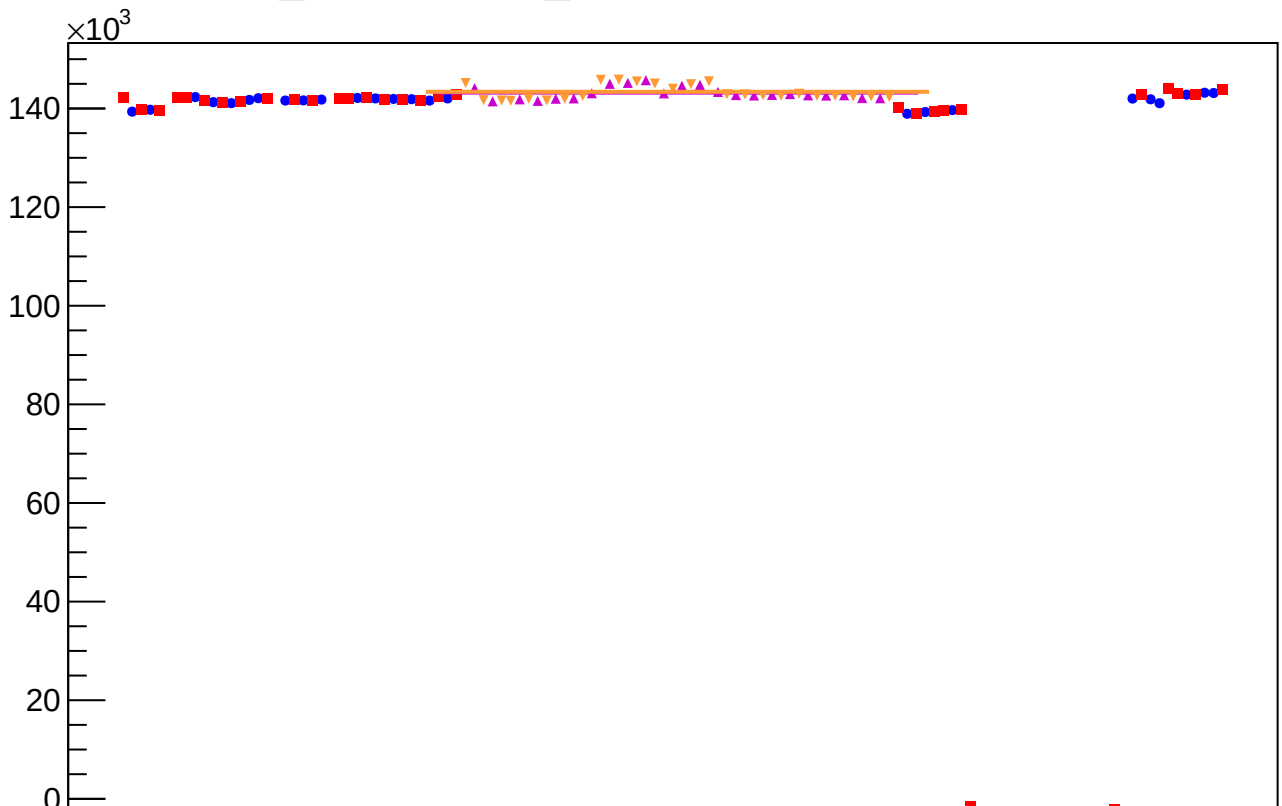
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.285+/-0.001 χ^2/NDF: 52918348.5/71

In: 7.735+/-0.002 χ^2/NDF:60003545.0/56

Out: 7.891+/-0.002 χ^2/NDF:62149473.2/62

All: 7.807+/-0.001 χ^2/NDF: 122156647.5/119



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: -2360.586+/-0.003 χ^2/NDF: 6501630818350.2/37

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

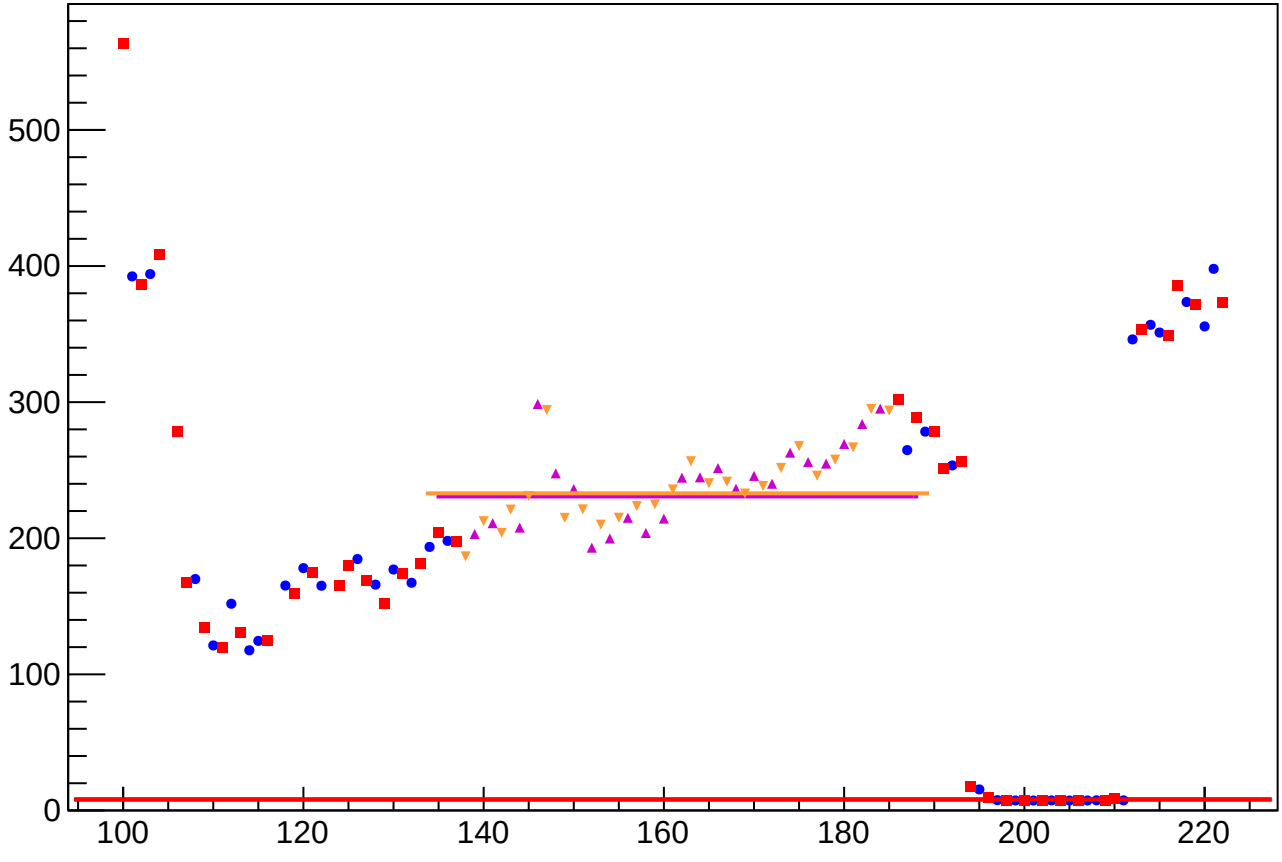
Right: -2416.274+/-0.002 χ^2/NDF: 1231629484002

In: -2086.669+/-0.003 χ^2/NDF:12856275999017.4

Out: -1906.605+/-0.003 χ^2/NDF:13850222443782

All: -2002.956+/-0.002 χ^2/NDF: 267084311

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: 8.130+/-0.002 χ^2/NDF: 26565396.5/37

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

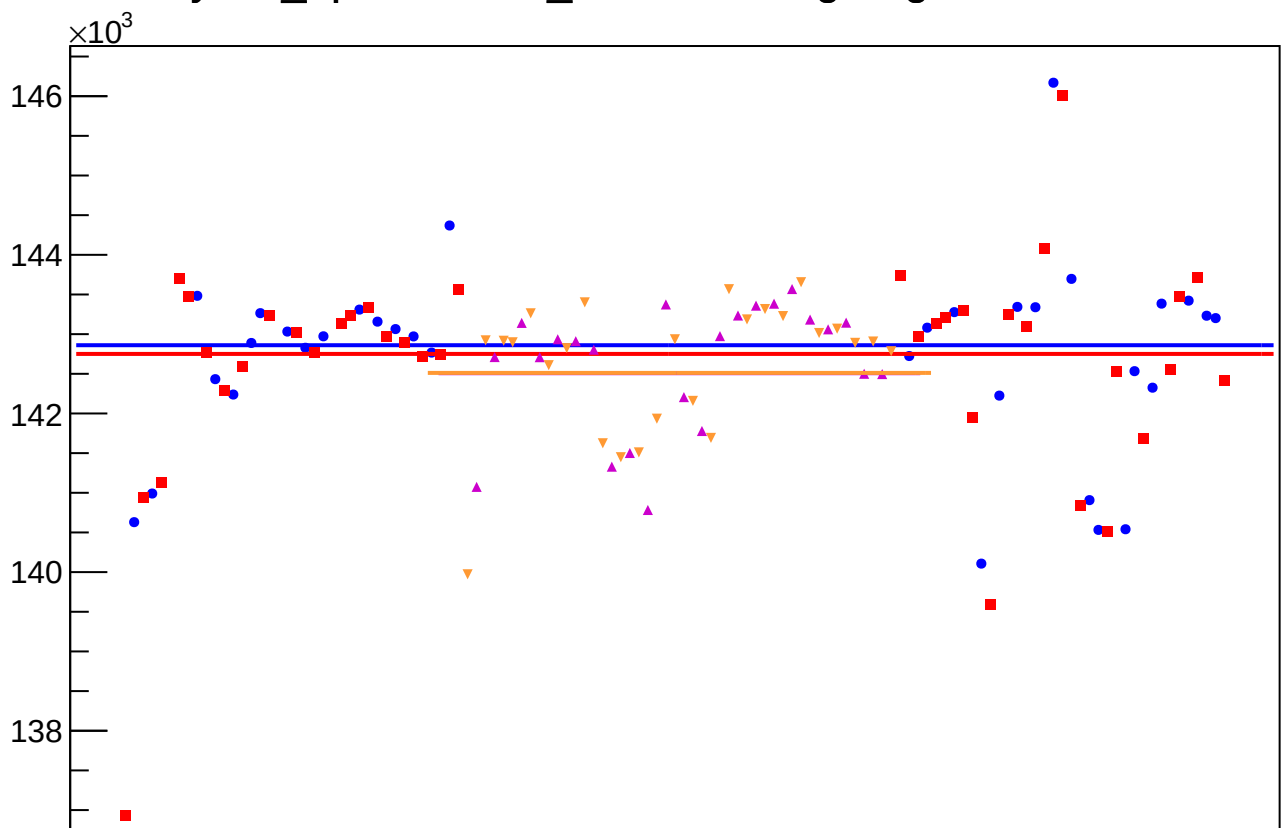
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.088+/-0.001 χ^2/NDF: 53083729.1/71

In: 8.629+/-0.002 χ^2/NDF:59920995.9/56

Out: 8.830+/-0.002 χ^2/NDF:61995998.5/62

All: 8.723+/-0.001 χ^2/NDF: 121921824.7/119



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: 142750.686+/-0.052 χ^2/NDF: 257277272.5/37

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

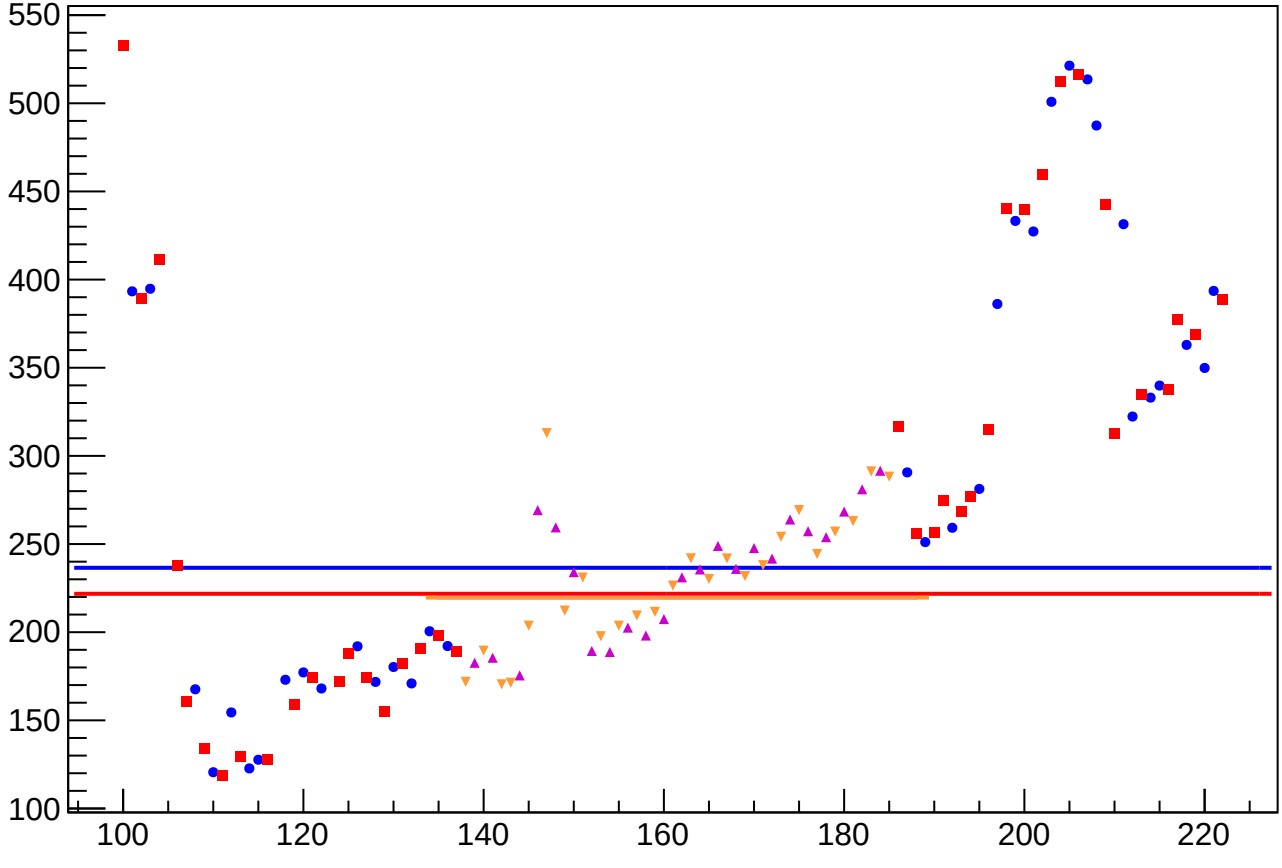
Right: 142802.045+/-0.038 χ^2/NDF: 563760018.6/7

In: 142672.971+/-0.038 χ^2/NDF:594953846.9/56

Out: 142627.799+/-0.036 χ^2/NDF:606117697.9/62

All: 142649.344+/-0.026 χ^2/NDF: 12018030

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: 221.778+/-0.037 χ^2/NDF: 7664087.6/37

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

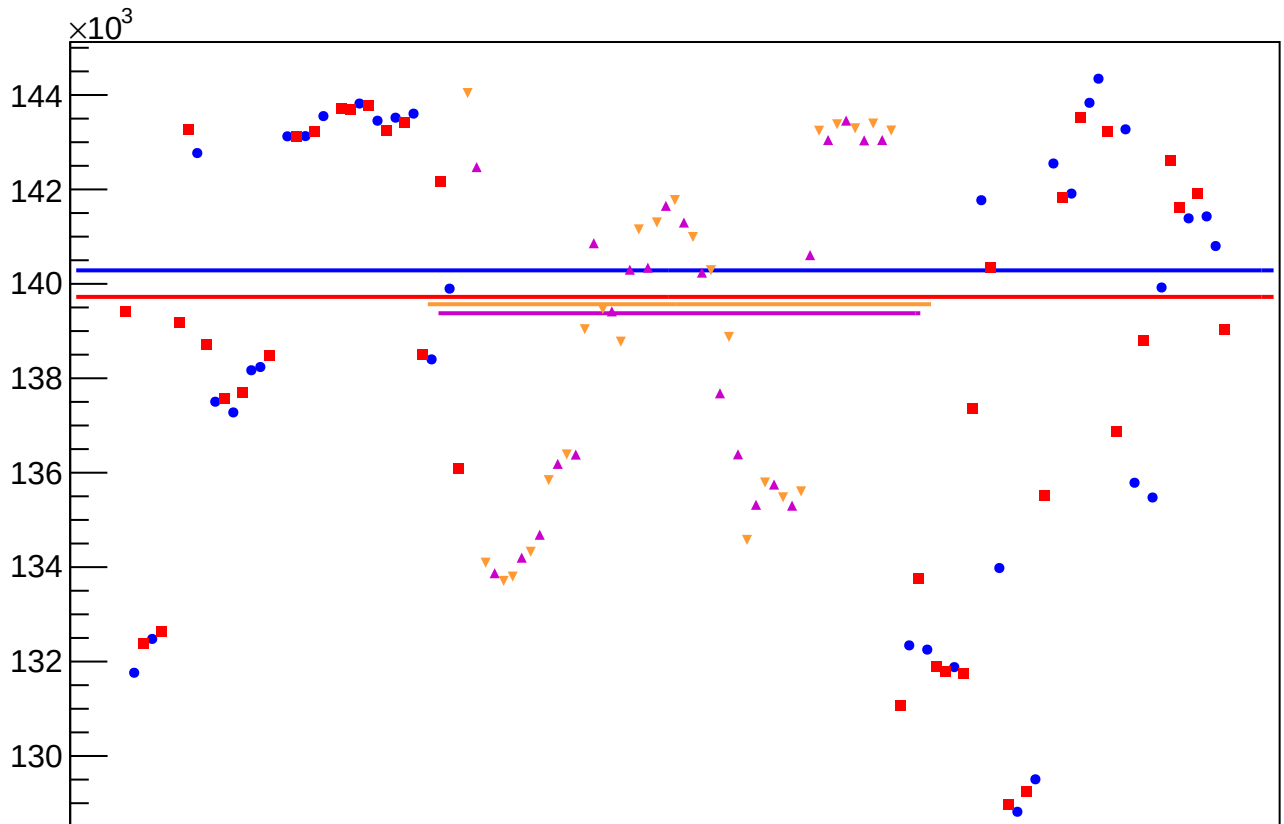
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 228.675+/-0.027 χ^2/NDF: 14826223.3/71

In: 227.646+/-0.027 χ^2/NDF:7988598.7/56

Out: 220.669+/-0.026 χ^2/NDF:8567866.6/62

All: 223.997+/-0.019 χ^2/NDF: 16591369.1/11



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: 139724.123+/-0.076 χ^2/NDF: 2901671751.0/37

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

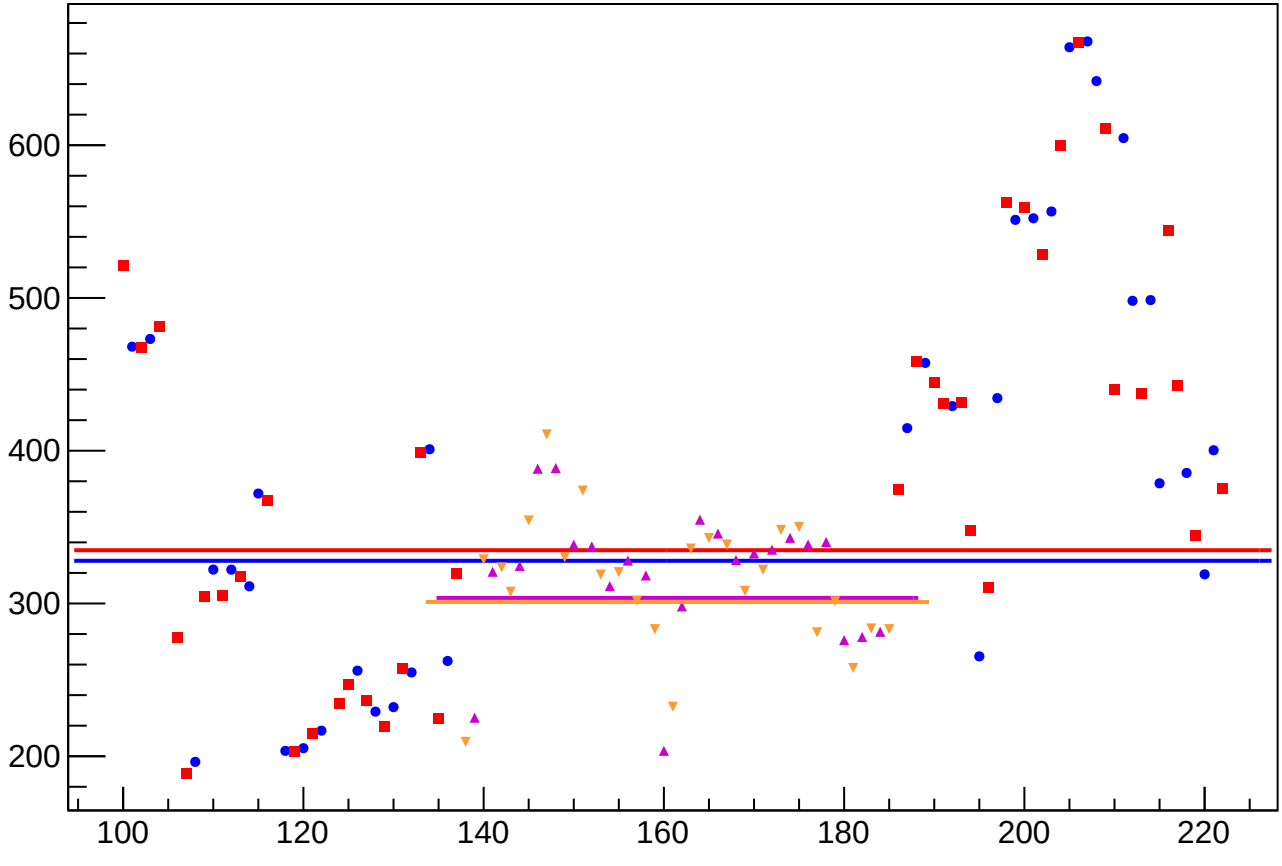
Right: 140006.158+/-0.054 χ^2/NDF: 5752411575.8/

In: 139812.366+/-0.053 χ^2/NDF:4819271453.3/56

Out: 139639.609+/-0.052 χ^2/NDF:5490555758.8/6

All: 139724.310+/-0.037 χ^2/NDF: 10315313

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: 334.874+/-0.054 χ^2/NDF: 4866713.5/37

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

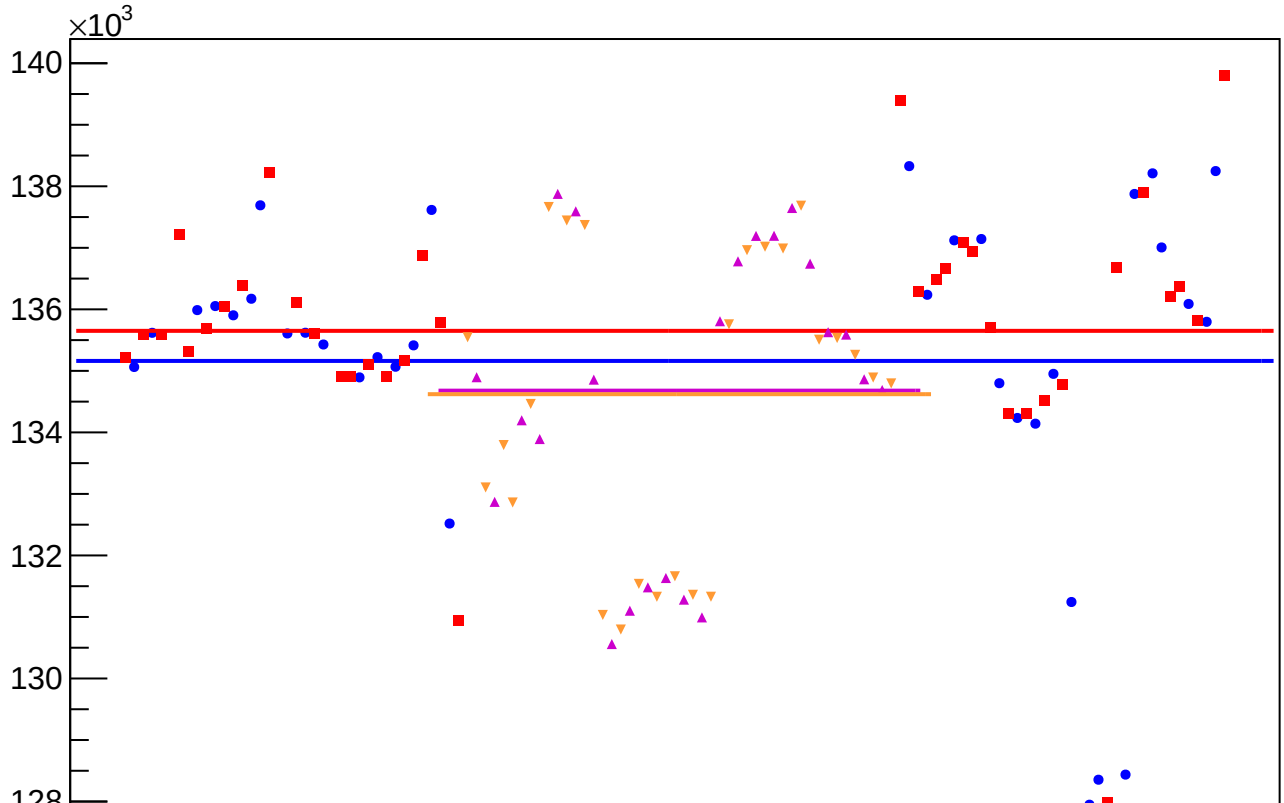
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 331.386+/-0.038 χ^2/NDF: 10260019.6/71

In: 315.285+/-0.037 χ^2/NDF:6467348.4/56

Out: 316.429+/-0.037 χ^2/NDF:5957497.5/62

All: 315.868+/-0.026 χ^2/NDF: 12425326.9/1



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: 135650.518+/-0.069 χ^2/NDF: 860471695.5/37

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

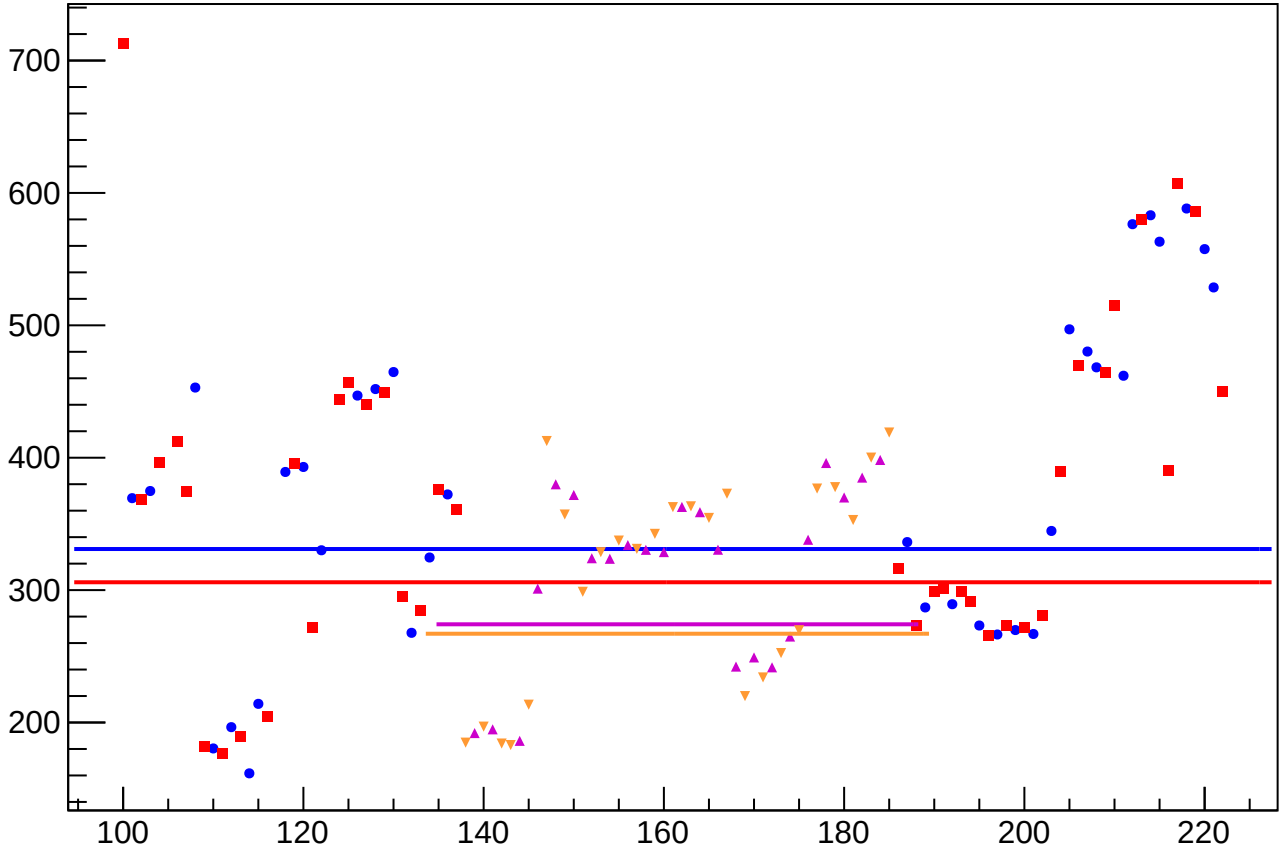
Right: 135426.839+/-0.051 χ^2/NDF: 1816304140.5/

In: 134891.780+/-0.050 χ^2/NDF:2052236983.9/56

Out: 135094.337+/-0.047 χ^2/NDF:2181929819.5/6

All: 134999.634+/-0.034 χ^2/NDF: 42429079

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: 305.929+/-0.049 χ^2/NDF: 4329614.2/37

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

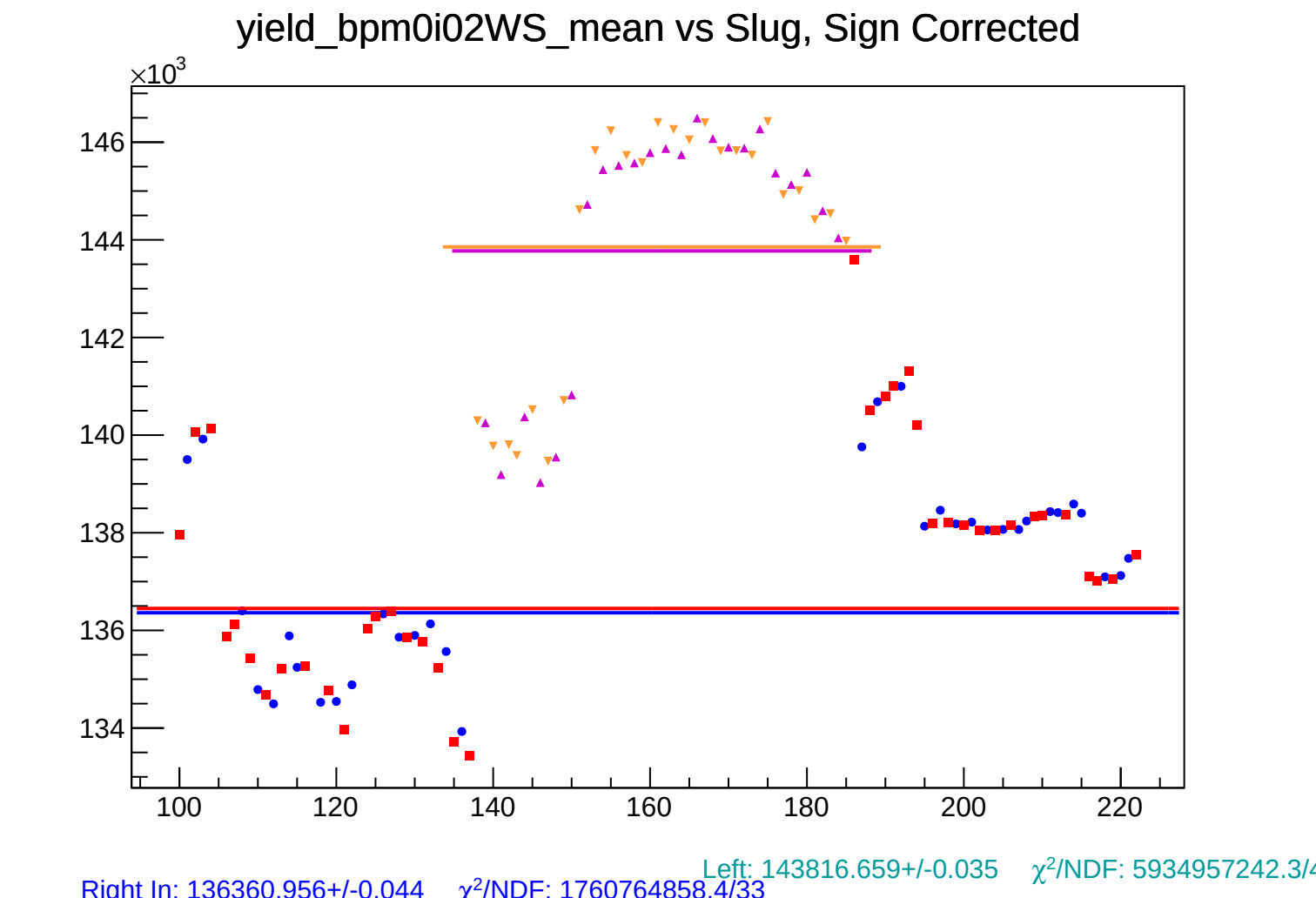
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 317.415+/-0.036 χ^2/NDF: 8980250.2/71

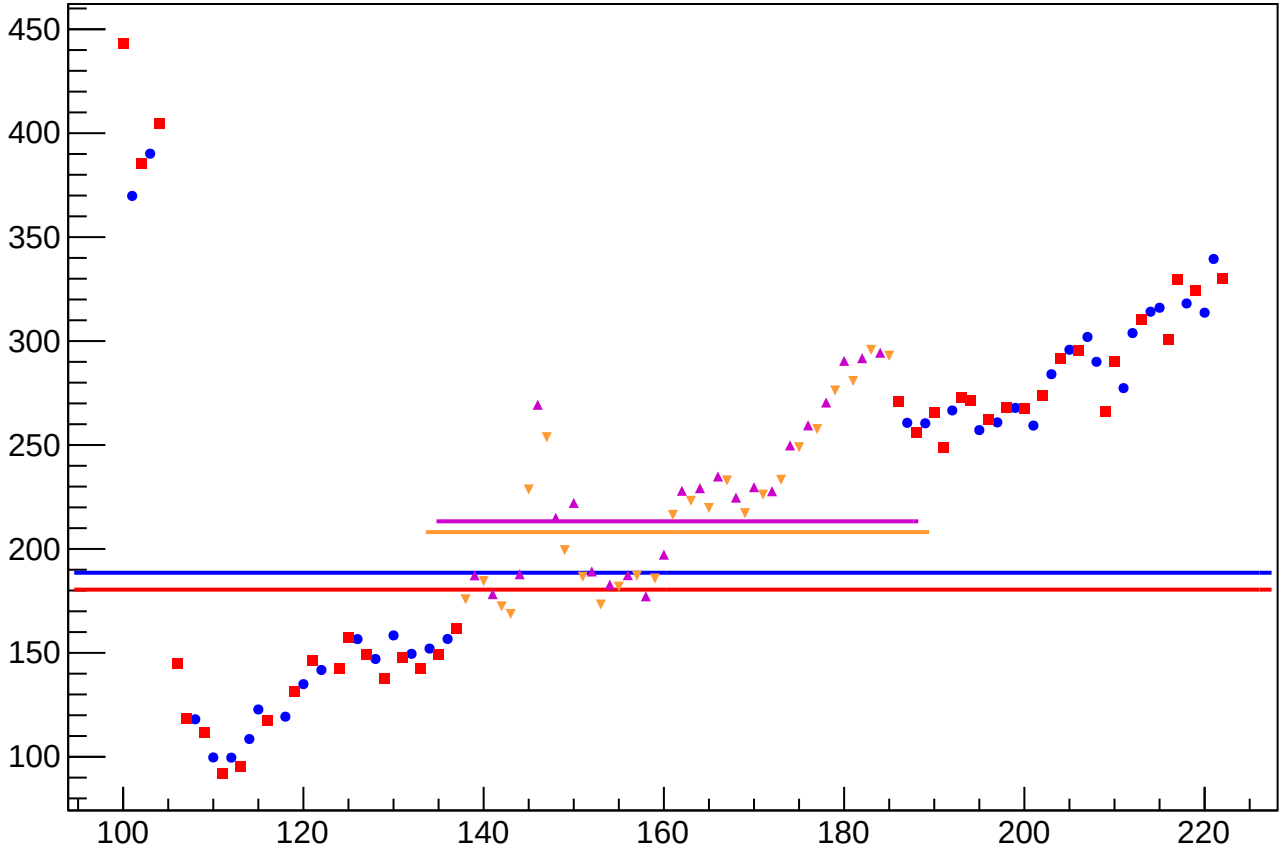
In: 299.281+/-0.035 χ^2/NDF:7404490.6/56

Out: 284.927+/-0.033 χ^2/NDF:7515037.8/62

All: 291.638+/-0.024 χ^2/NDF: 15007322.4/11


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: 136449.266+/-0.042 χ²/NDF: 2320637562.4/37
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136406.956+/-0.031 χ²/NDF: 4083482485.3/
In: 139545.307+/-0.033 χ²/NDF:16649854467.4/5
Out: 139668.707+/-0.032 χ²/NDF:18725781737.3
All: 139609.860+/-0.023 χ²/NDF: 35382787

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: 180.426+/-0.030 χ^2/NDF: 7434850.7/37

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

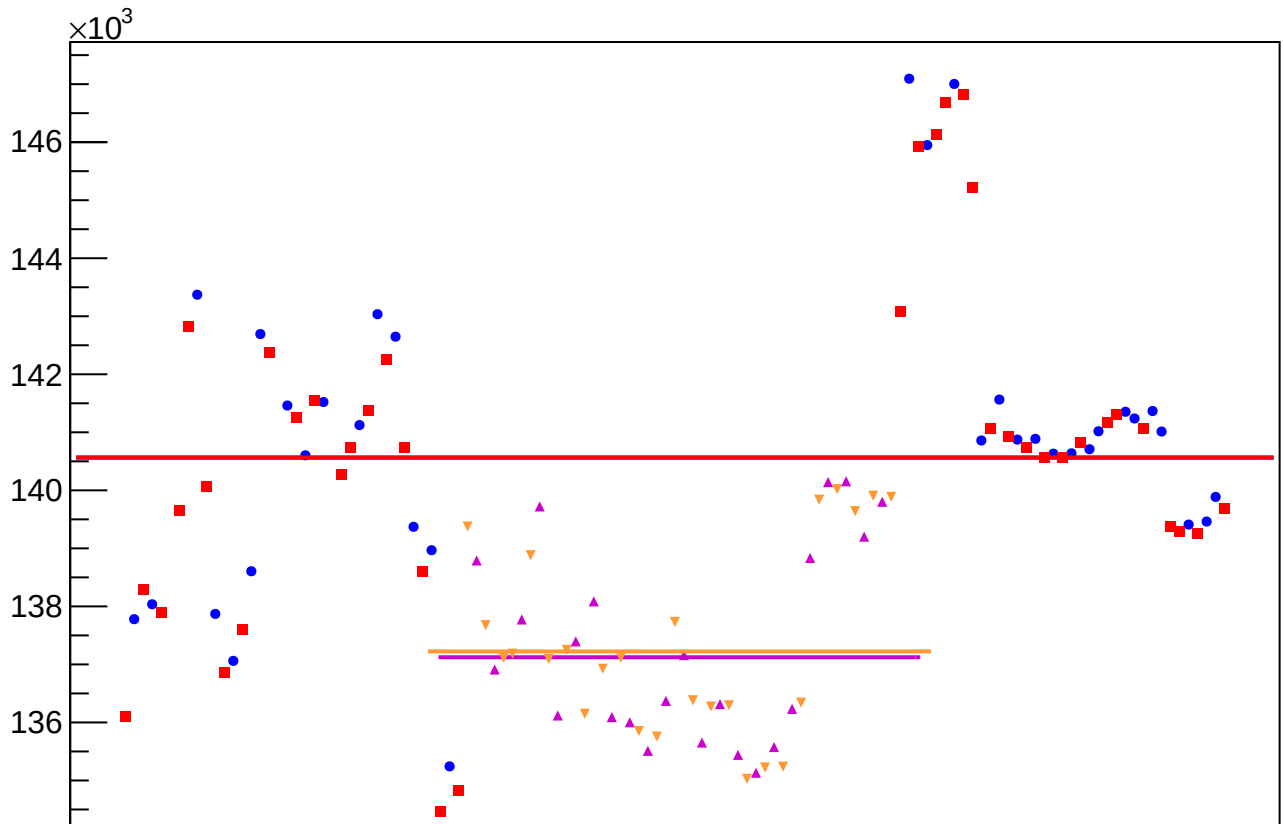
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 184.319+/-0.022 χ^2/NDF: 14313785.0/71

In: 199.179+/-0.024 χ^2/NDF:7978400.2/56

Out: 192.455+/-0.023 χ^2/NDF:8798526.8/62

All: 195.662+/-0.016 χ^2/NDF: 16819393.4/11



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: 140565.894+/-0.048 χ^2/NDF: 3284824417.2/37

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

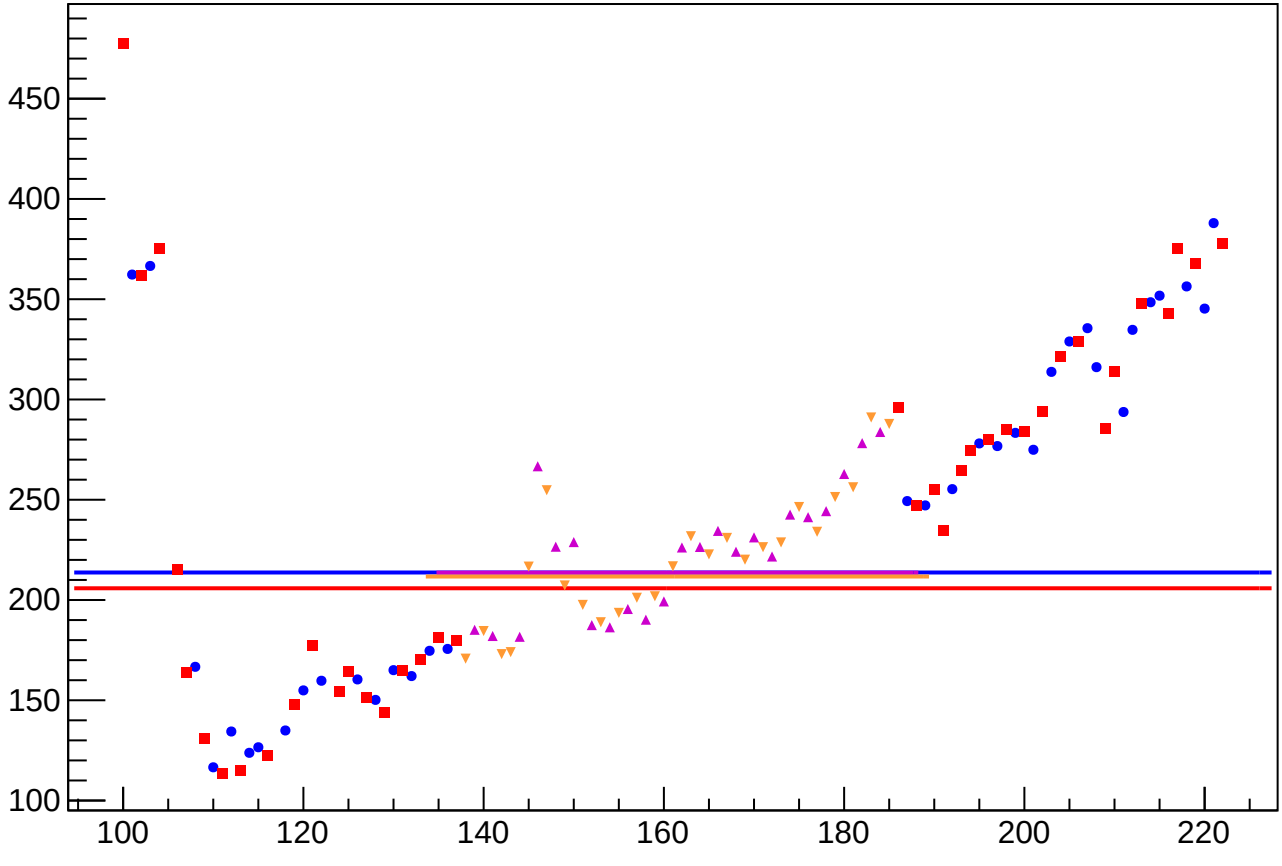
Right: 140564.946+/-0.034 χ^2/NDF: 6130367051.9/

In: 138897.240+/-0.035 χ^2/NDF:6060825751.7/56

Out: 138947.177+/-0.034 χ^2/NDF:6573974778.7/6

All: 138923.141+/-0.025 χ^2/NDF: 12635830

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: 205.848+/-0.034 χ^2/NDF: 6136616.2/37

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

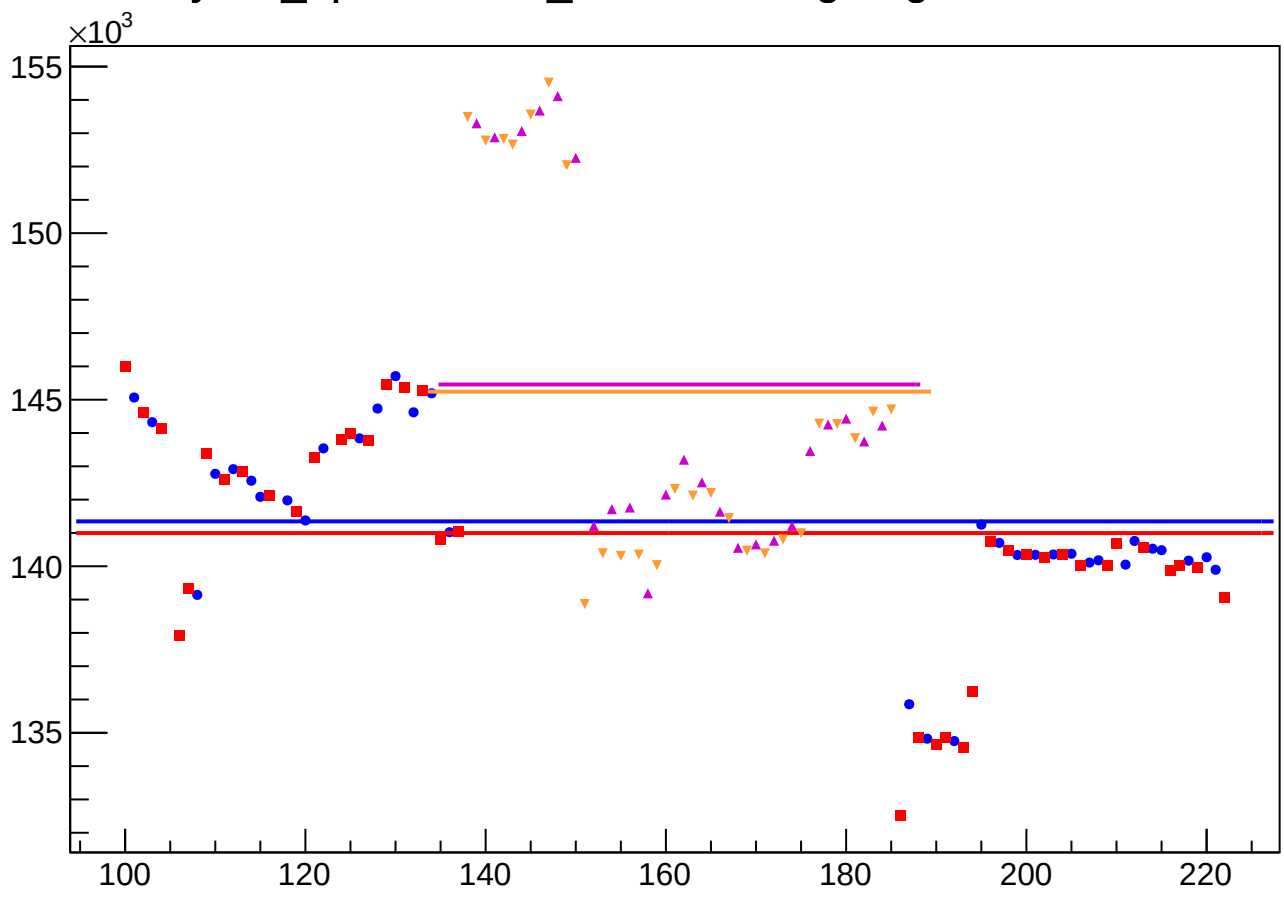
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 209.636+/-0.024 χ^2/NDF: 11824972.1/71

In: 213.681+/-0.025 χ^2/NDF:6283305.9/56

Out: 208.689+/-0.024 χ^2/NDF:6826953.4/62

All: 211.092+/-0.017 χ^2/NDF: 13130845.1/11



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: 140996.236+/-0.047 χ^2/NDF: 4481244358.0/37

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

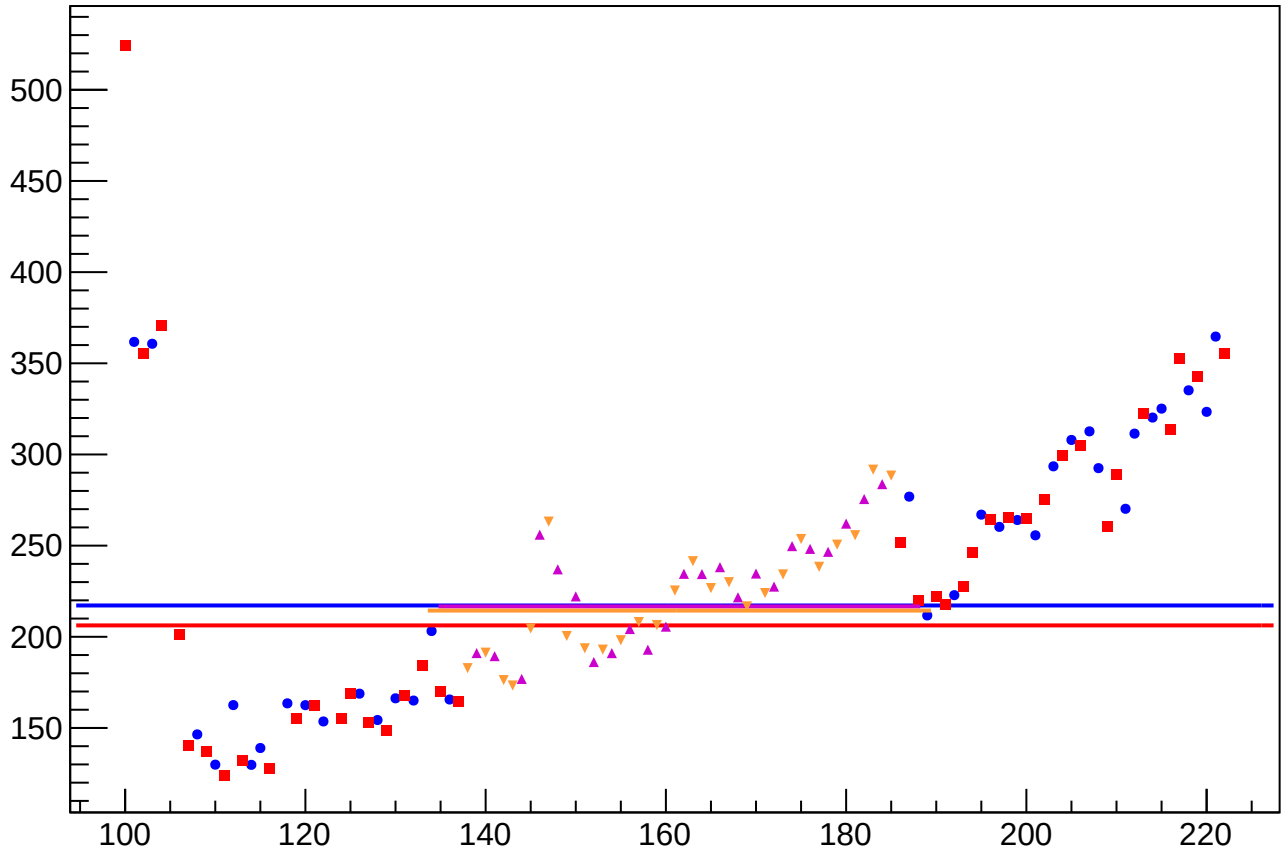
Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

Right: 141162.771+/-0.034 χ^2/NDF: 7390326455.6/

In: 143304.573+/-0.036 χ^2/NDF:17279443291.0/5

Out: 142991.012+/-0.034 χ^2/NDF:21396611826.4

All: 143140.655+/-0.025 χ^2/NDF: 38716619



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: 206.254+/-0.033 χ^2/NDF: 4581414.7/37

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

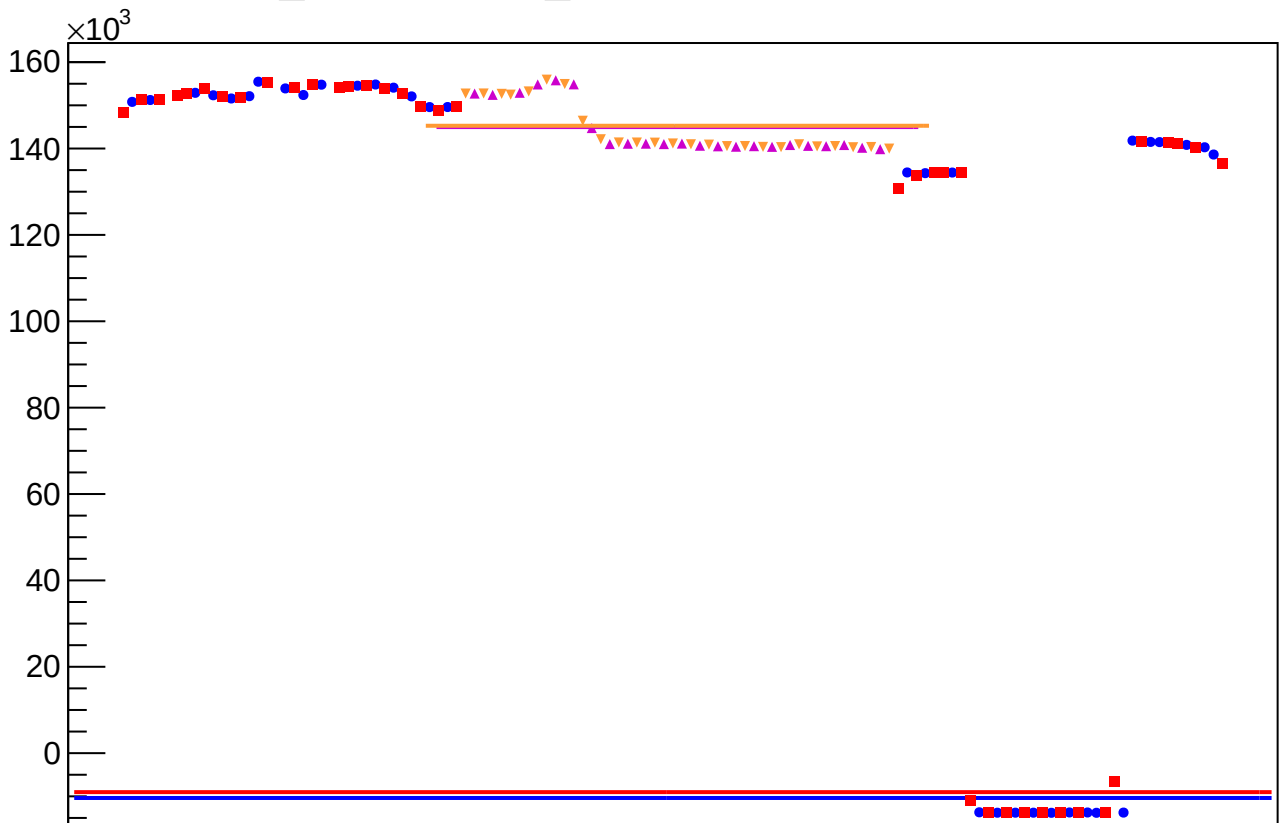
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 211.435+/-0.024 χ^2/NDF: 8772001.4/71

In: 216.930+/-0.025 χ^2/NDF:4725951.4/56

Out: 210.077+/-0.024 χ^2/NDF:5253319.1/62

All: 213.347+/-0.017 χ^2/NDF: 10018032.2/11



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: -9025.907+/-0.009 χ^2/NDF: 8008033678144.6/37

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

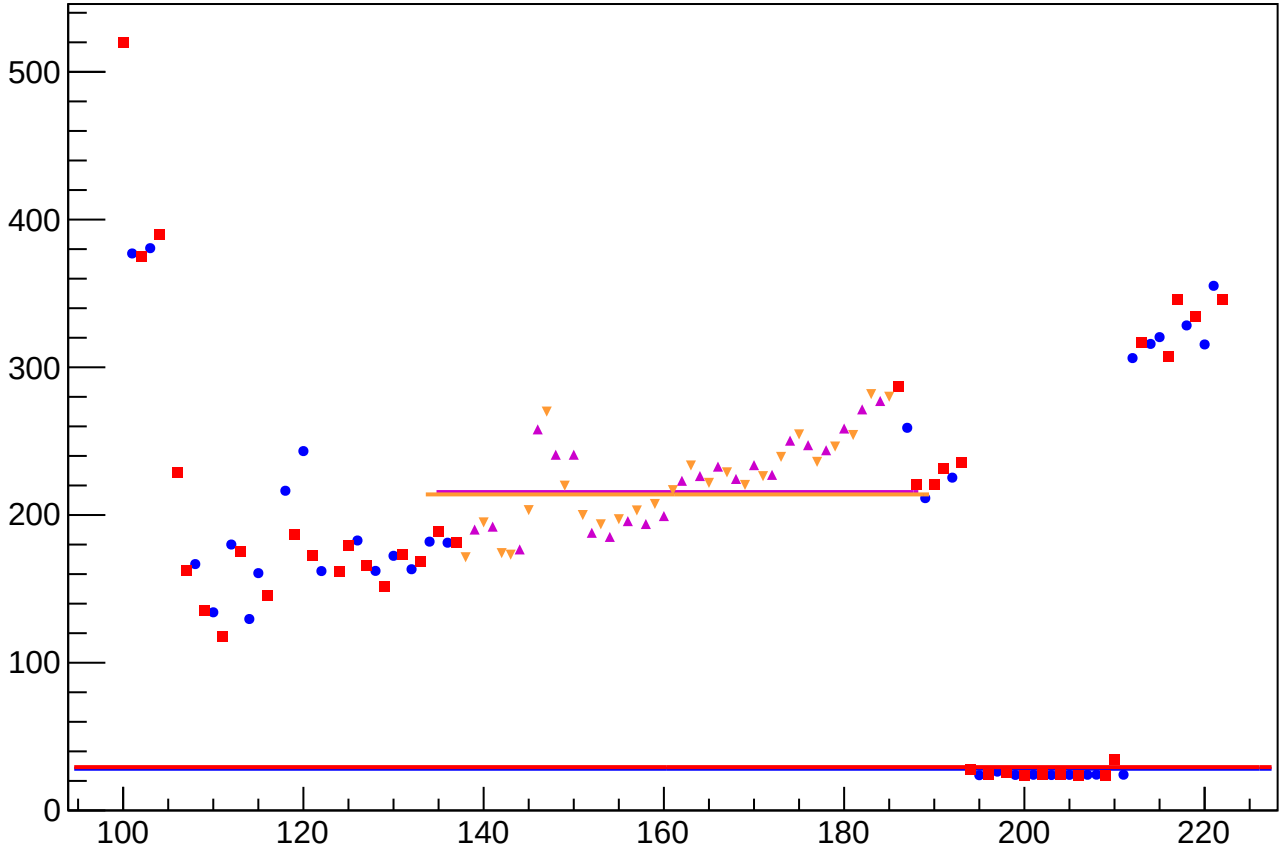
Right: -9749.862+/-0.006 χ^2/NDF: 1507527279160

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3665.282+/-0.009 χ^2/NDF:17443157059044

All: -4905.031+/-0.006 χ^2/NDF: 3349042851

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: 29.337+/-0.007 χ^2/NDF: 21511325.7/37

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

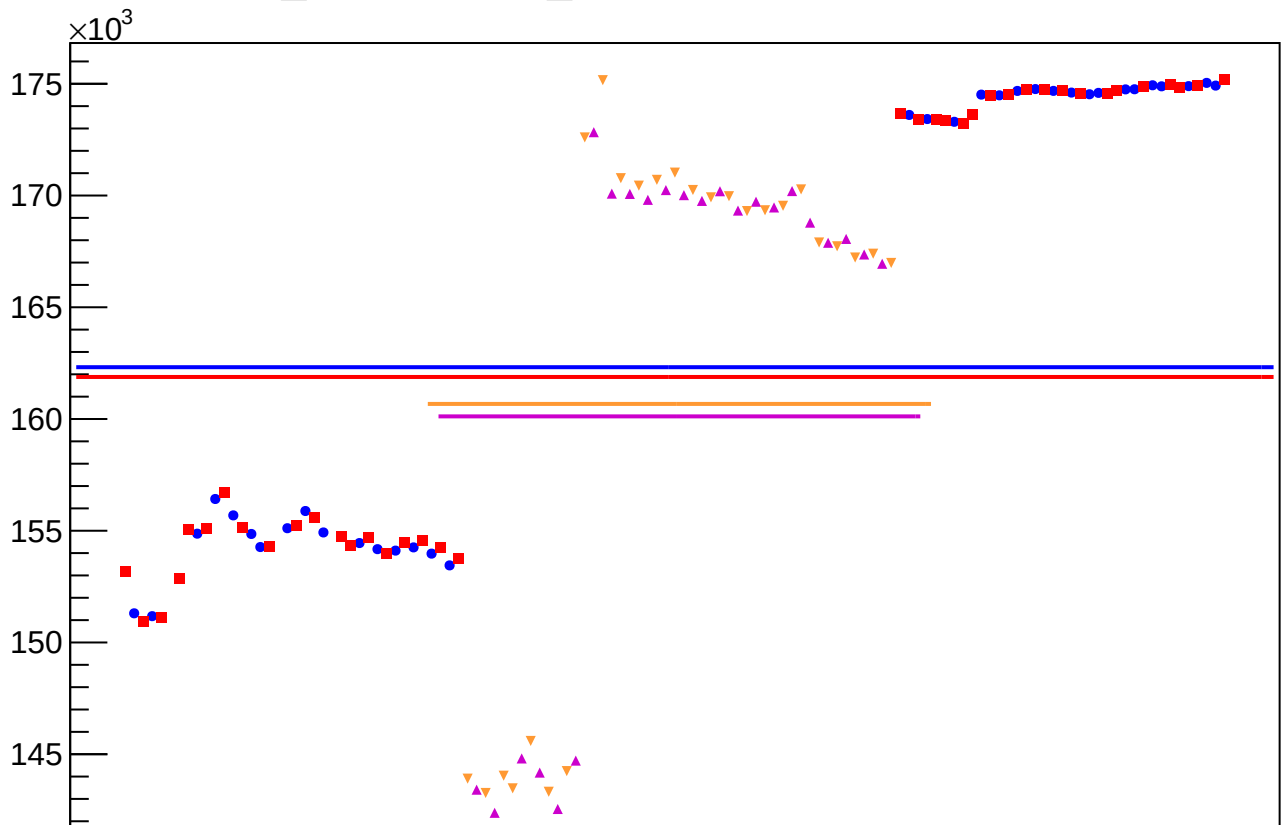
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.747+/-0.005 χ^2/NDF: 43181402.1/71

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.751+/-0.007 χ^2/NDF:49137375.4/62

All: 34.565+/-0.004 χ^2/NDF: 97460615.7/119



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: 161880.888+/-0.049 χ^2/NDF: 37505571911.0/37

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

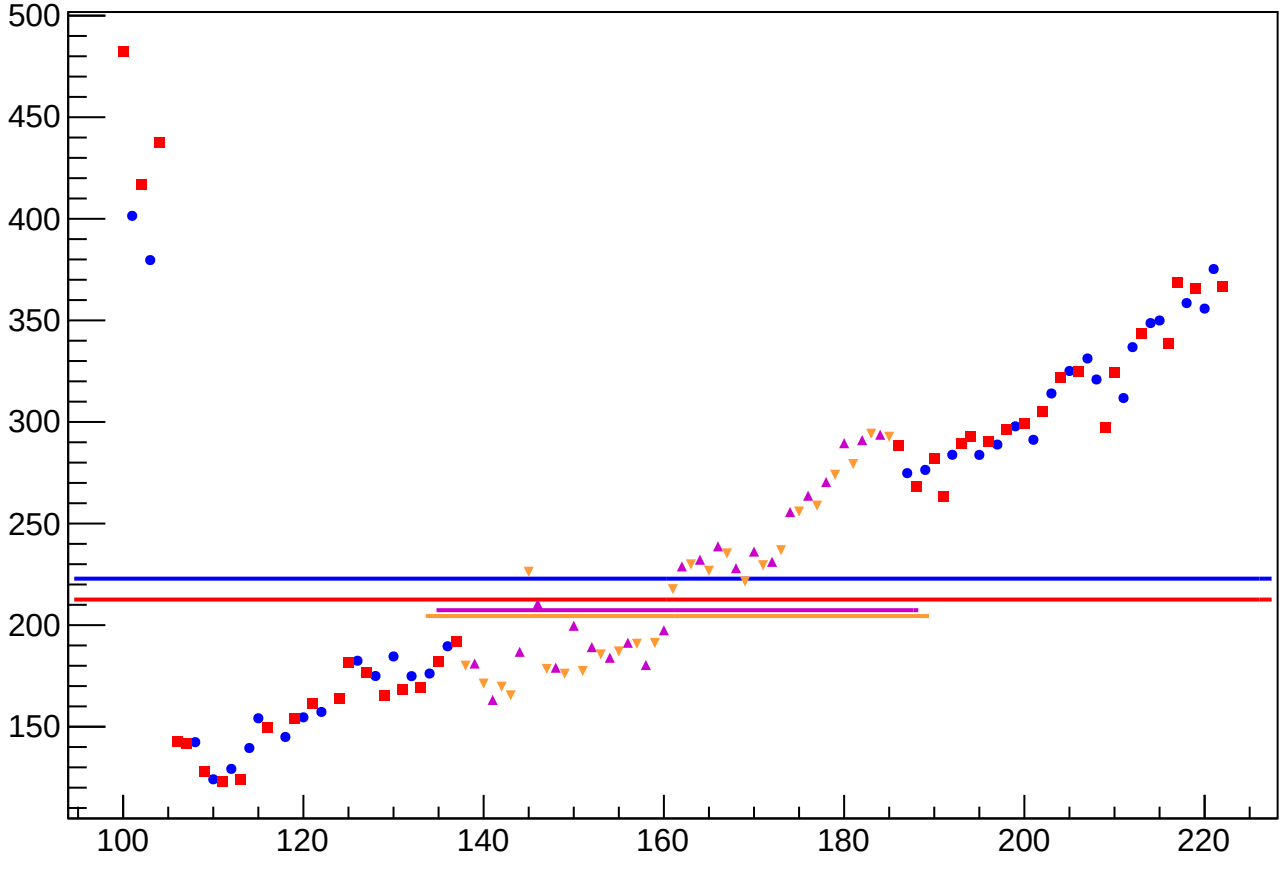
Right: 162088.892+/-0.035 χ^2/NDF: 73168237610.

In: 161178.479+/-0.036 χ^2/NDF:103134518906.1

Out: 161260.693+/-0.034 χ^2/NDF:111975317656.

All: 161221.435+/-0.025 χ^2/NDF: 215112631

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: 212.597+/-0.034 χ^2/NDF: 6050506.9/37

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

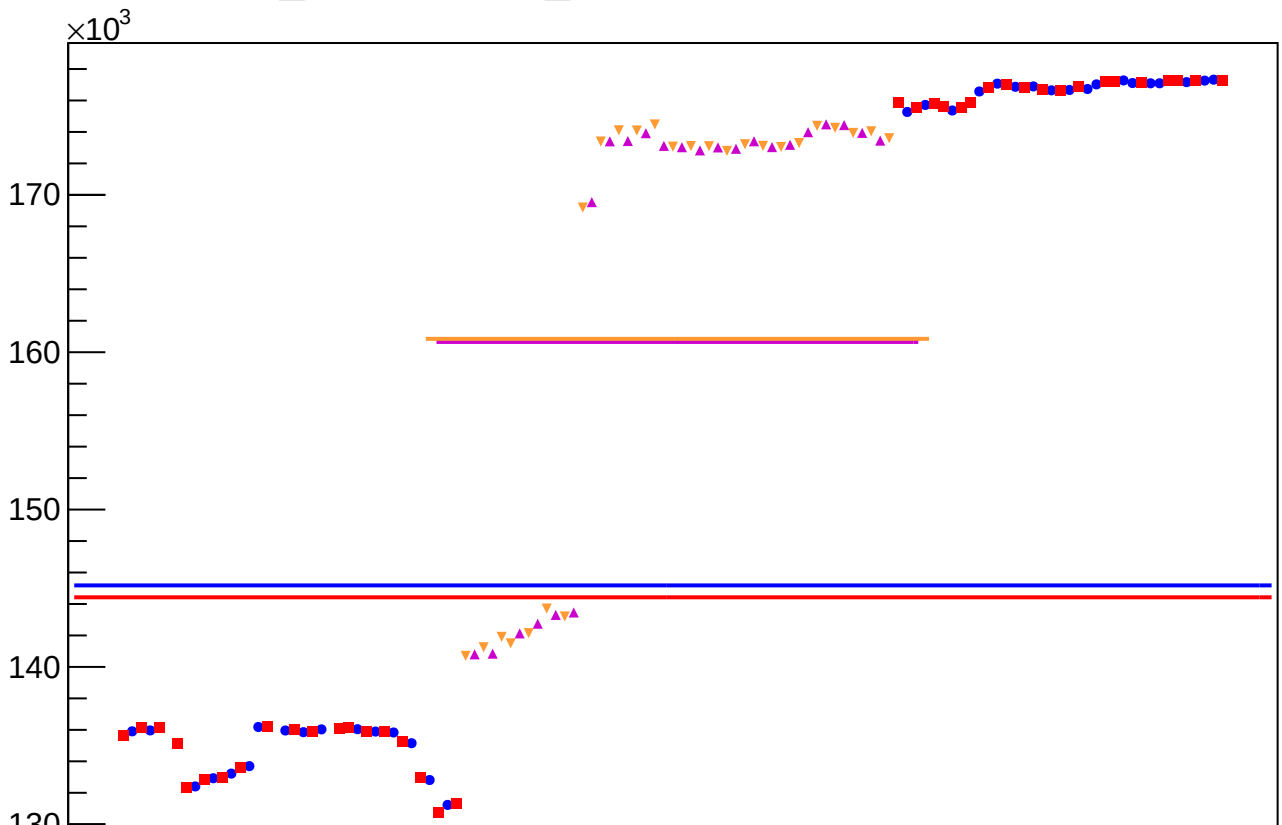
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 217.487+/-0.025 χ^2/NDF: 11543816.6/71

In: 214.846+/-0.025 χ^2/NDF:6502719.2/56

Out: 208.421+/-0.024 χ^2/NDF:7152231.1/62

All: 211.489+/-0.017 χ^2/NDF: 13689090.9/11



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: 144424.504+/-0.042 χ^2/NDF: 189842671417.6/37

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

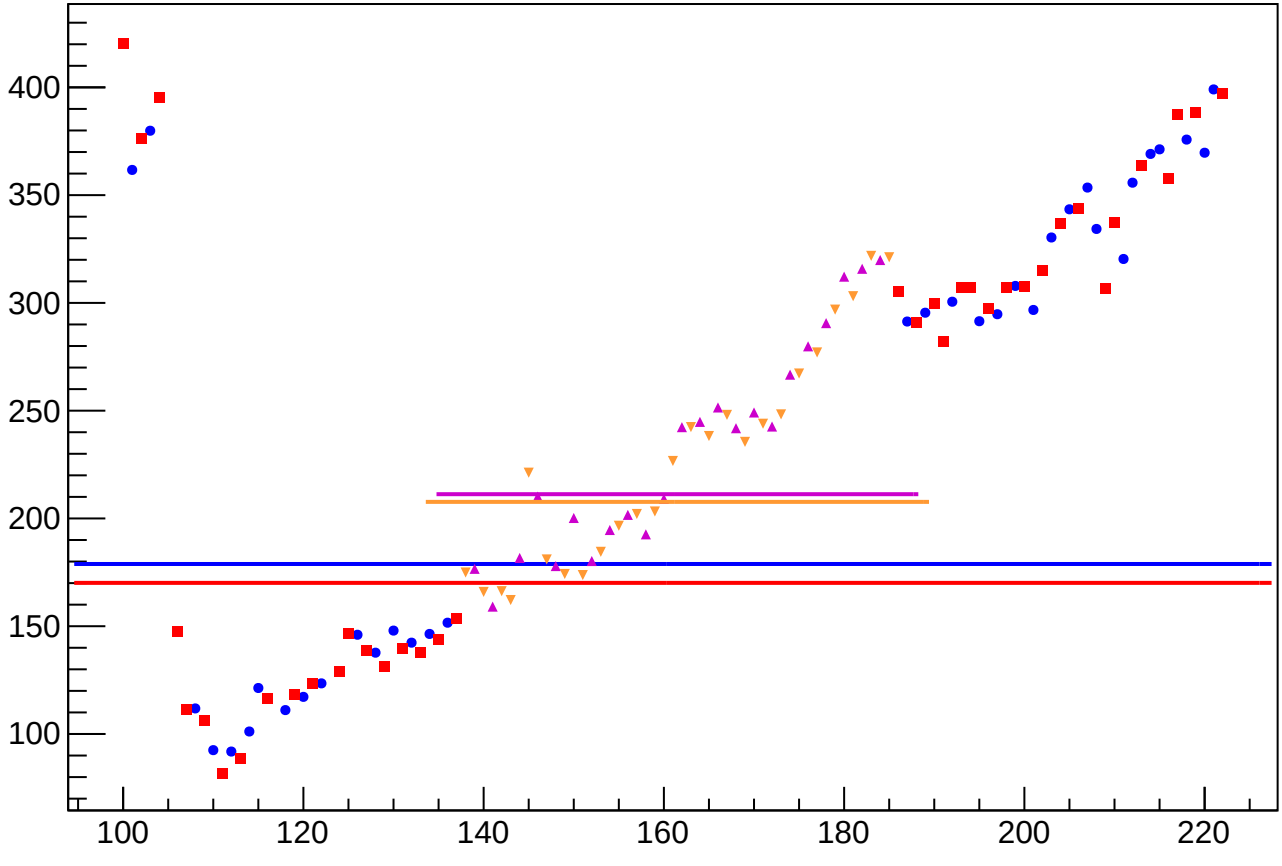
Right: 144784.614+/-0.030 χ^2/NDF: 370482703813

In: 151810.604+/-0.033 χ^2/NDF:324066524460.5

Out: 151436.046+/-0.032 χ^2/NDF:354985636692.

All: 151614.737+/-0.023 χ^2/NDF: 679119016

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: 170.110+/-0.030 χ^2/NDF: 10706294.3/37

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

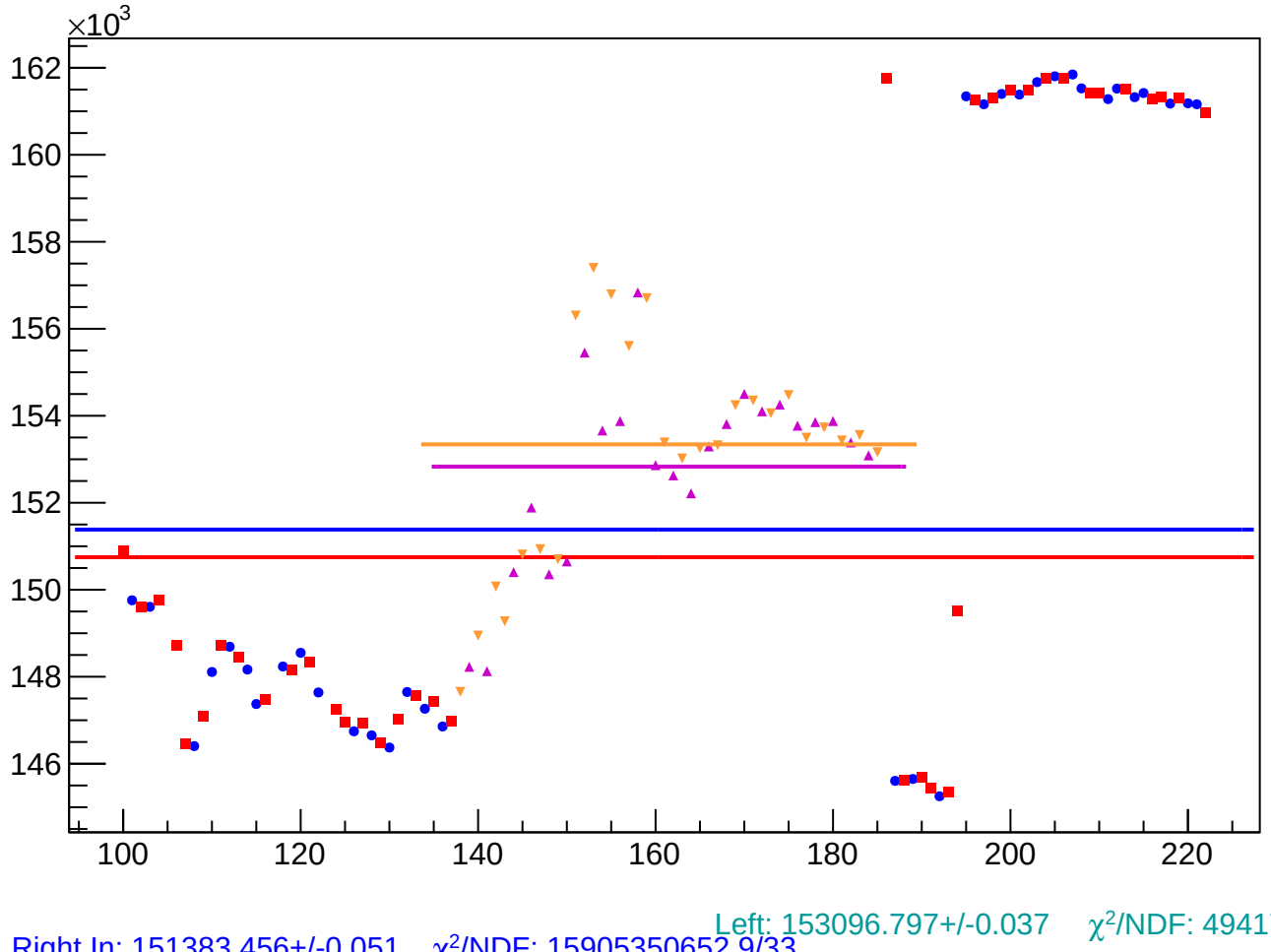
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 174.283+/-0.021 χ^2/NDF: 20774892.7/71

In: 192.747+/-0.023 χ^2/NDF:11800512.0/56

Out: 186.150+/-0.022 χ^2/NDF:12897218.6/62

All: 189.297+/-0.016 χ^2/NDF: 24739200.8/11



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: 150747.711+/-0.048 χ^2/NDF: 15106749972.7/37

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

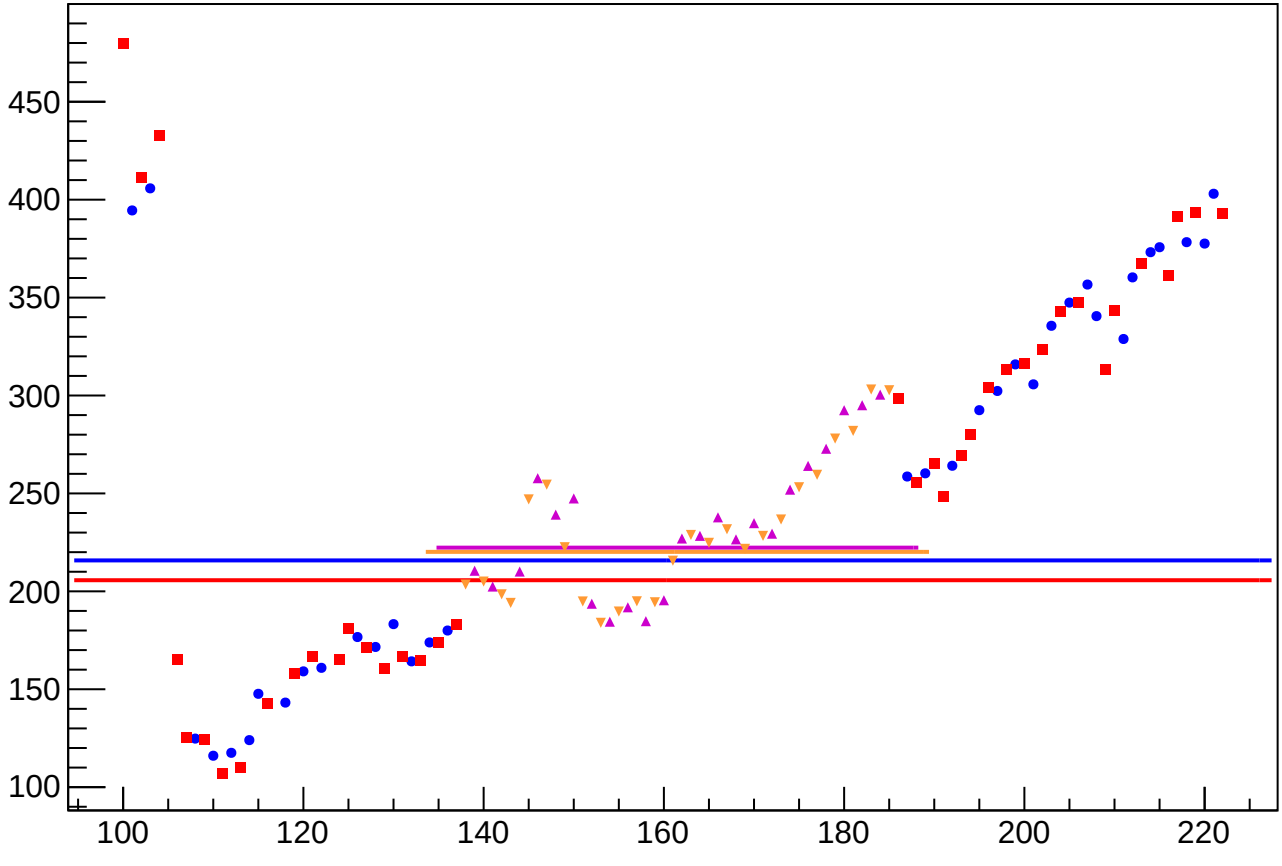
Right: 151049.789+/-0.035 χ^2/NDF: 3095194648.5

In: 152075.575+/-0.037 χ^2/NDF:18212307524.5/5

Out: 151973.621+/-0.035 χ^2/NDF:19461754718.1

All: 152022.334+/-0.025 χ^2/NDF: 37678135

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: 205.676+/-0.034 χ^2/NDF: 7333641.3/37

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

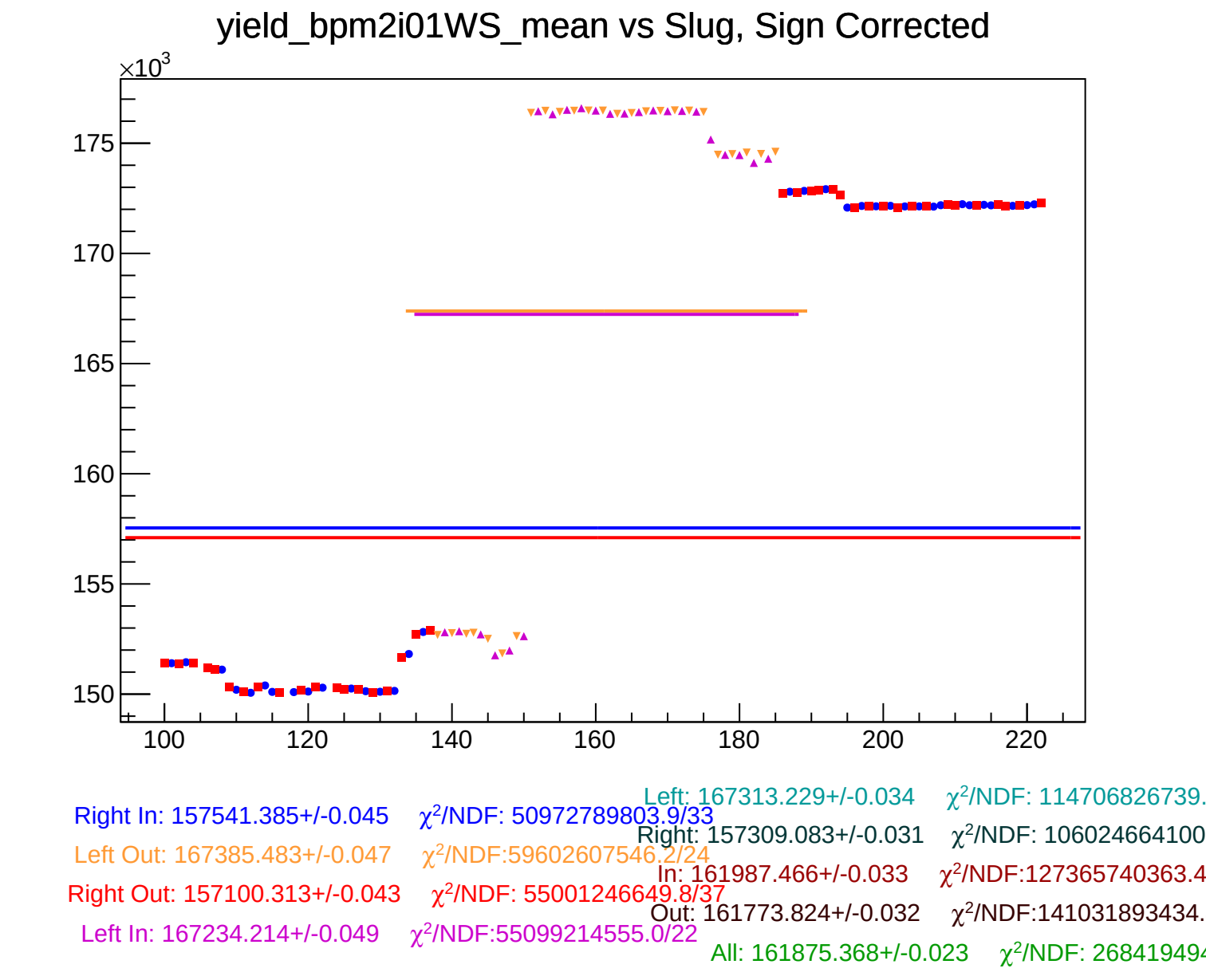
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 210.482+/-0.025 χ^2/NDF: 14254885.5/71

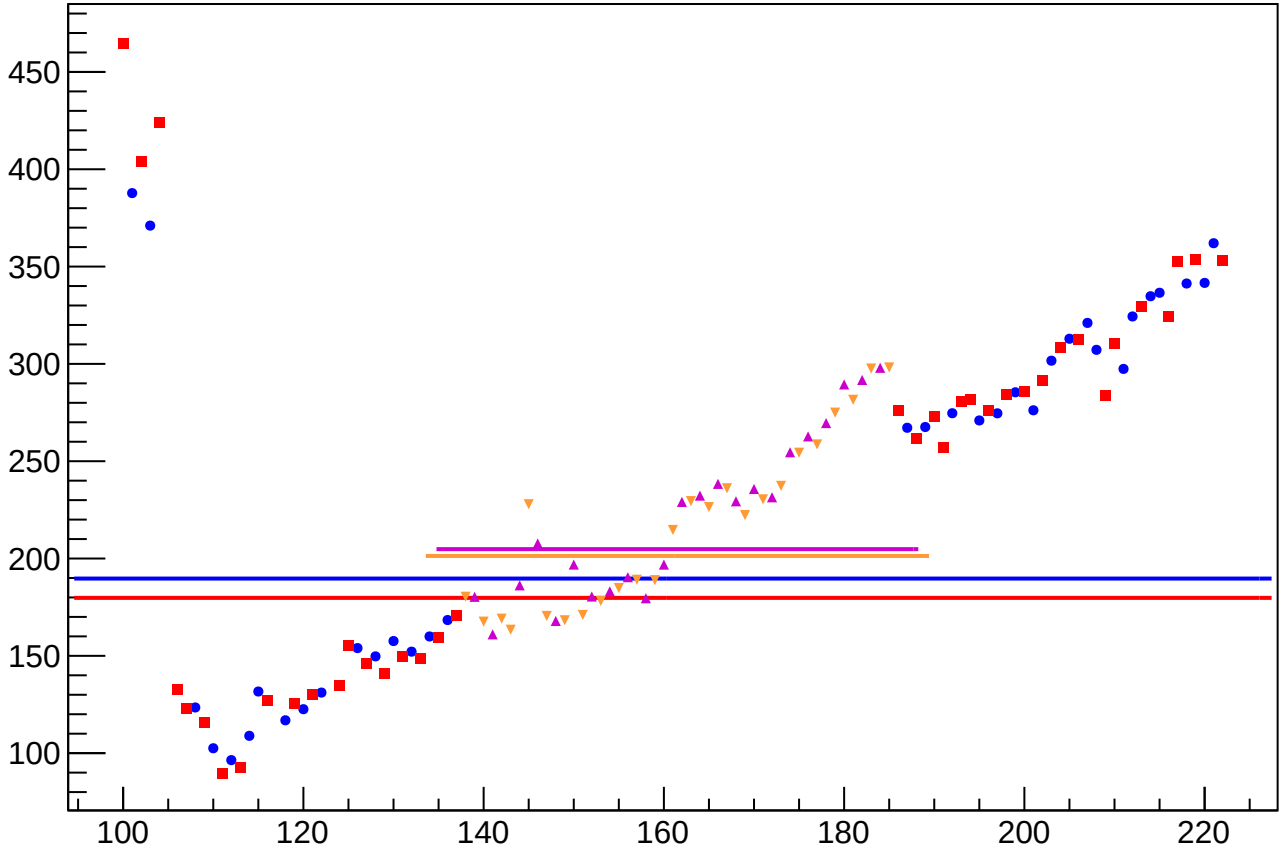
In: 218.905+/-0.026 χ^2/NDF:7592657.7/56

Out: 212.517+/-0.025 χ^2/NDF:8104952.9/62

All: 215.569+/-0.018 χ^2/NDF: 15729589.9/1


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
220
Right In: 157541.385+/-0.045 χ²/NDF: 50972789803.9/33
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 157100.313+/-0.043 χ²/NDF: 55001246649.8/37
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 157309.083+/-0.031 χ²/NDF: 106024664100
In: 161987.466+/-0.033 χ²/NDF:127365740363.4
Out: 161773.824+/-0.032 χ²/NDF:141031893434.
All: 161875.368+/-0.023 χ²/NDF: 26841949

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: 179.787+/-0.030 χ^2/NDF: 8446984.5/37

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

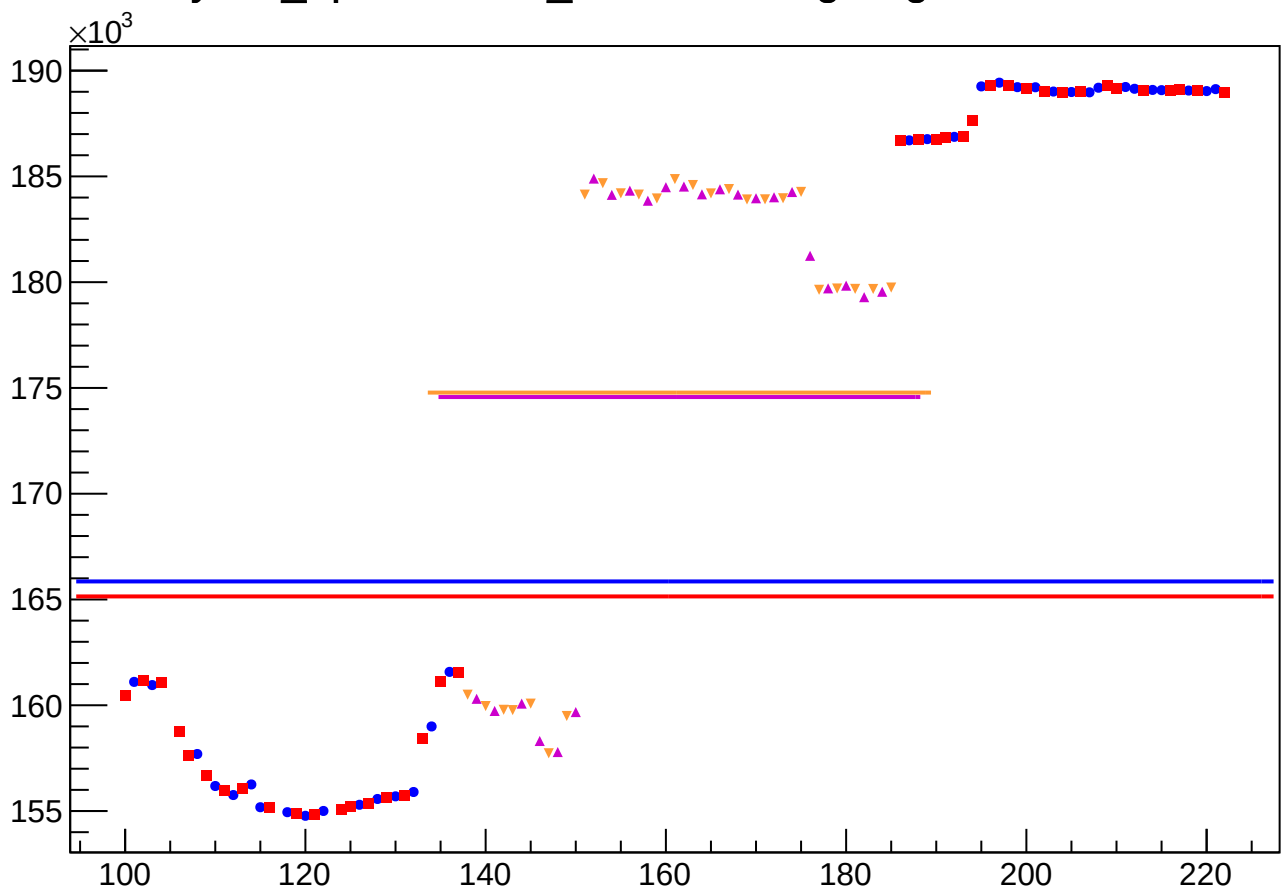
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 184.482+/-0.022 χ^2/NDF: 16214417.0/71

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 189.575+/-0.022 χ^2/NDF:9909501.0/62

All: 192.934+/-0.016 χ^2/NDF: 18830310.9/11



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: 165144.667+/-0.045 χ^2/NDF: 99791687643.5/37

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

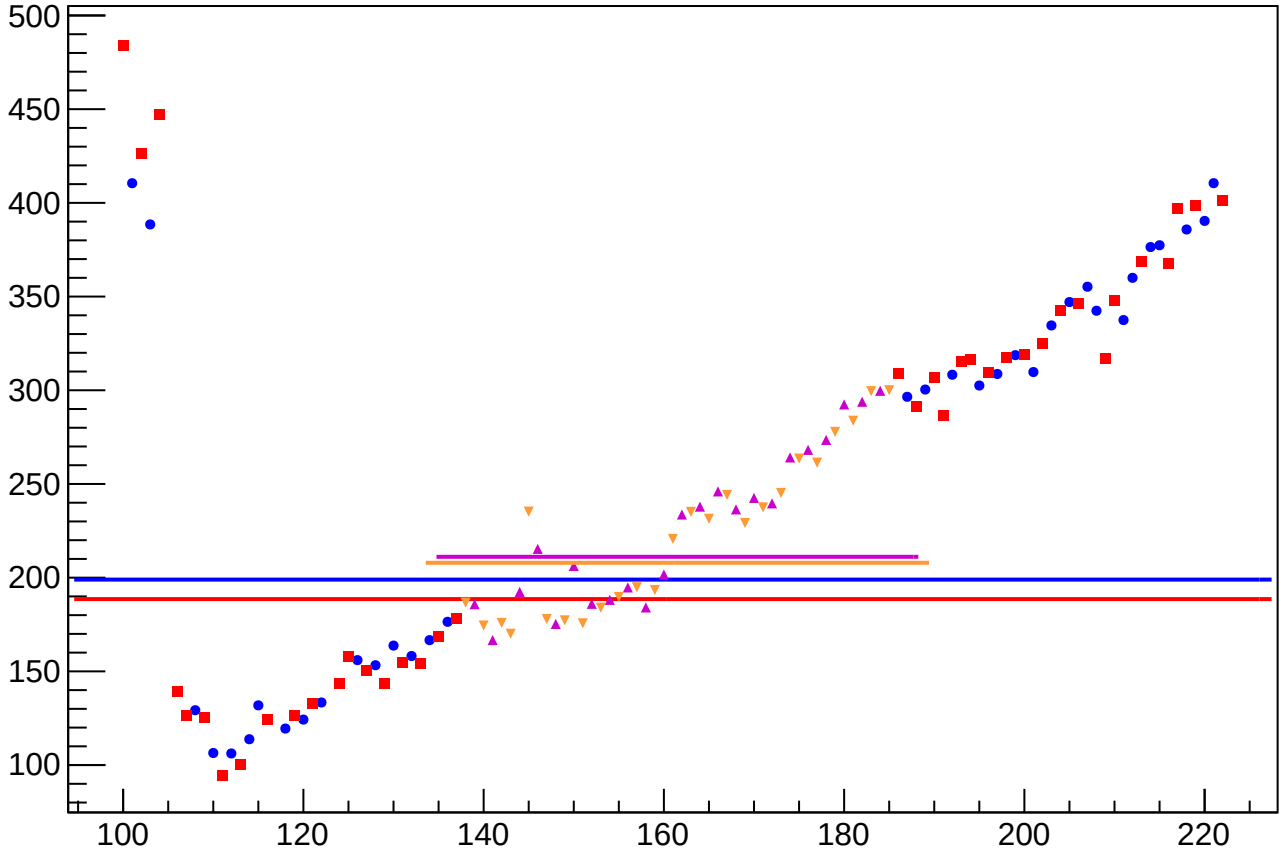
Right: 165479.912+/-0.033 χ^2/NDF: 19519675632

In: 169993.425+/-0.035 χ^2/NDF:165792395517.0

Out: 169669.500+/-0.033 χ^2/NDF:179118556105.

All: 169823.545+/-0.024 χ^2/NDF: 34495668

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: 188.572+/-0.032 χ^2/NDF: 9425497.3/37

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

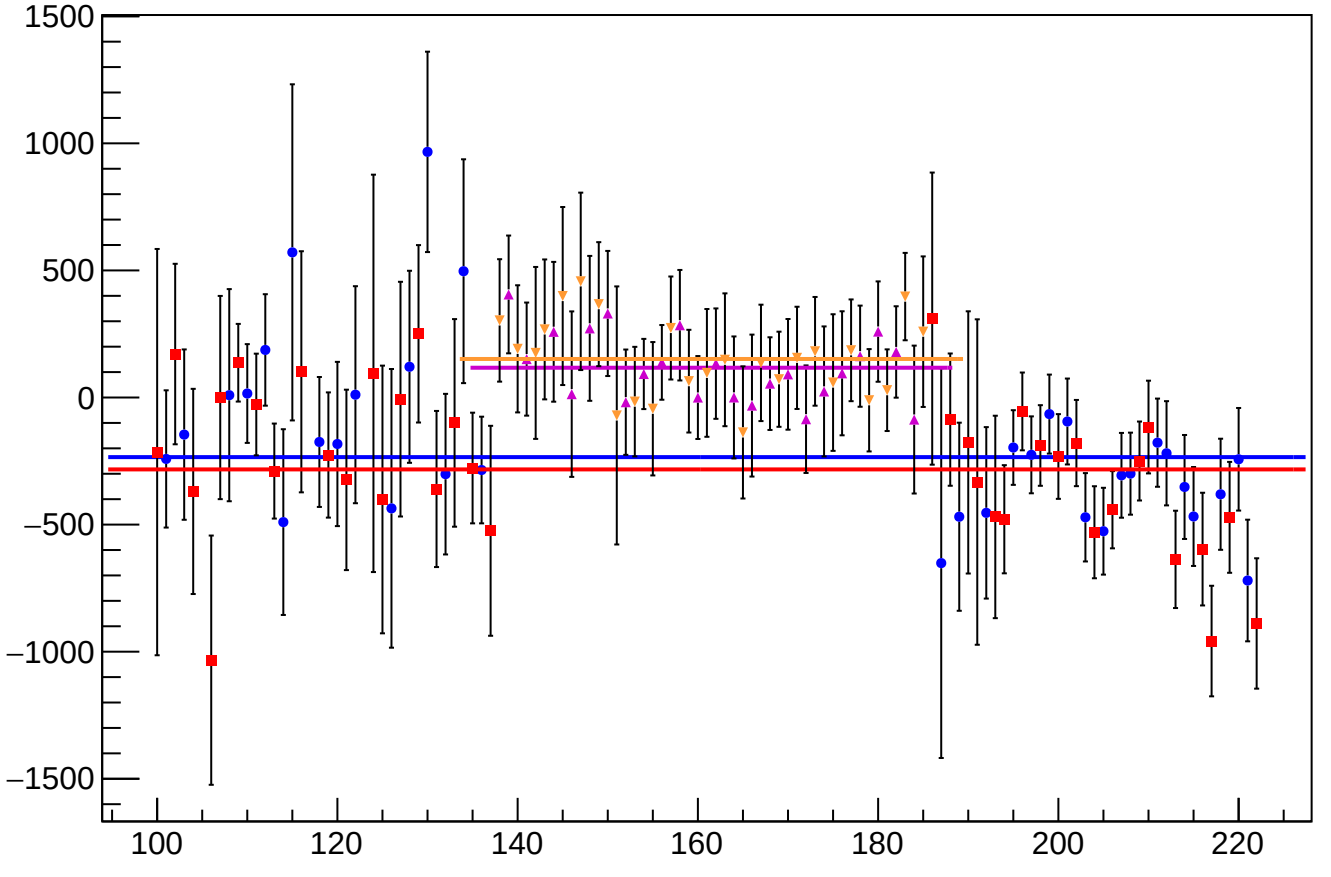
Right: 193.493+/-0.023 χ^2/NDF: 18206193.3/71

In: 204.750+/-0.025 χ^2/NDF:9785900.8/56

Out: 197.667+/-0.023 χ^2/NDF:10728866.7/62

All: 201.035+/-0.017 χ^2/NDF: 20558502.8/1

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: -282.865+/-38.662 χ^2/NDF: 49.0/37

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

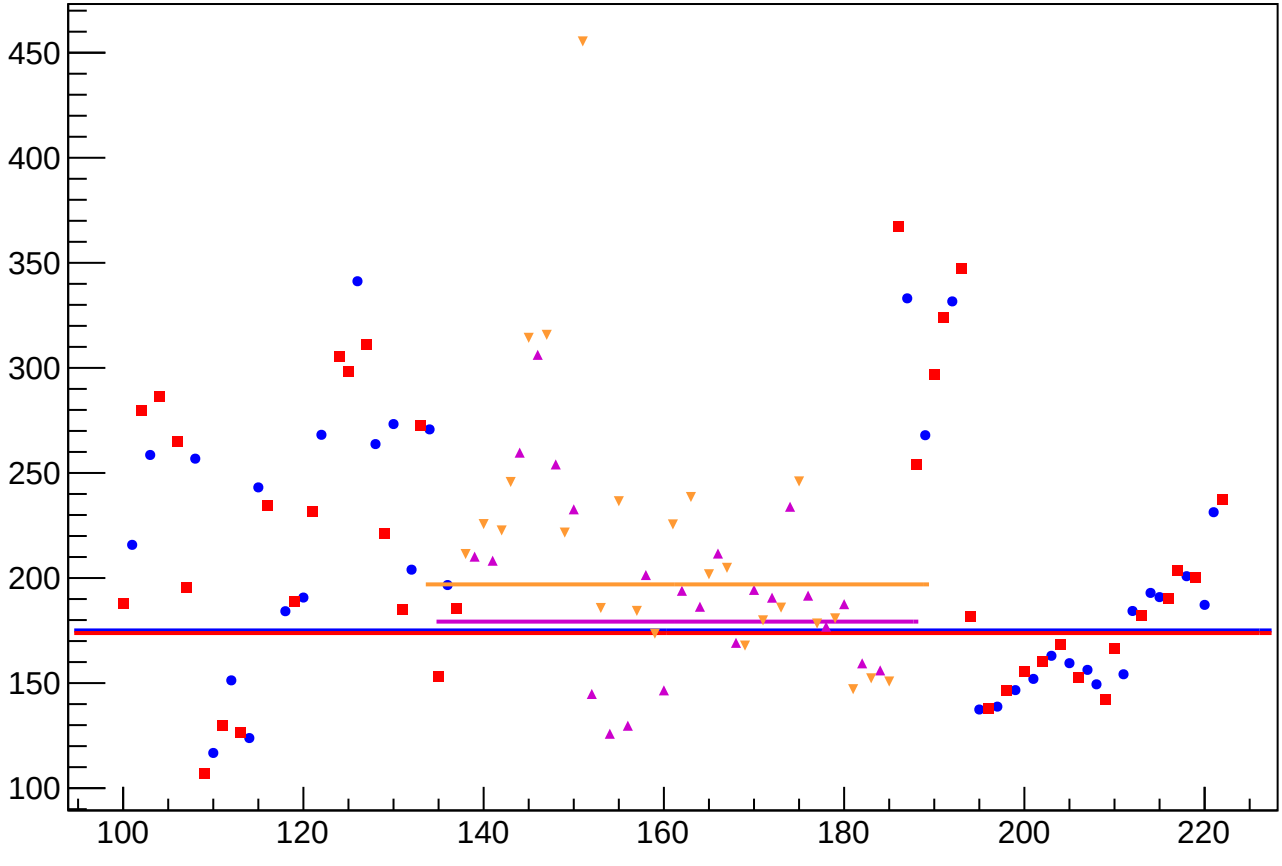
Right: -258.734+/-27.362 χ^2/NDF: 85.8/71

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -104.917+/-29.707 χ^2/NDF:110.4/62

All: -92.223+/-20.754 χ^2/NDF: 190.3/119

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: 173.811+/-0.027 χ^2/NDF: 3195440.8/37

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

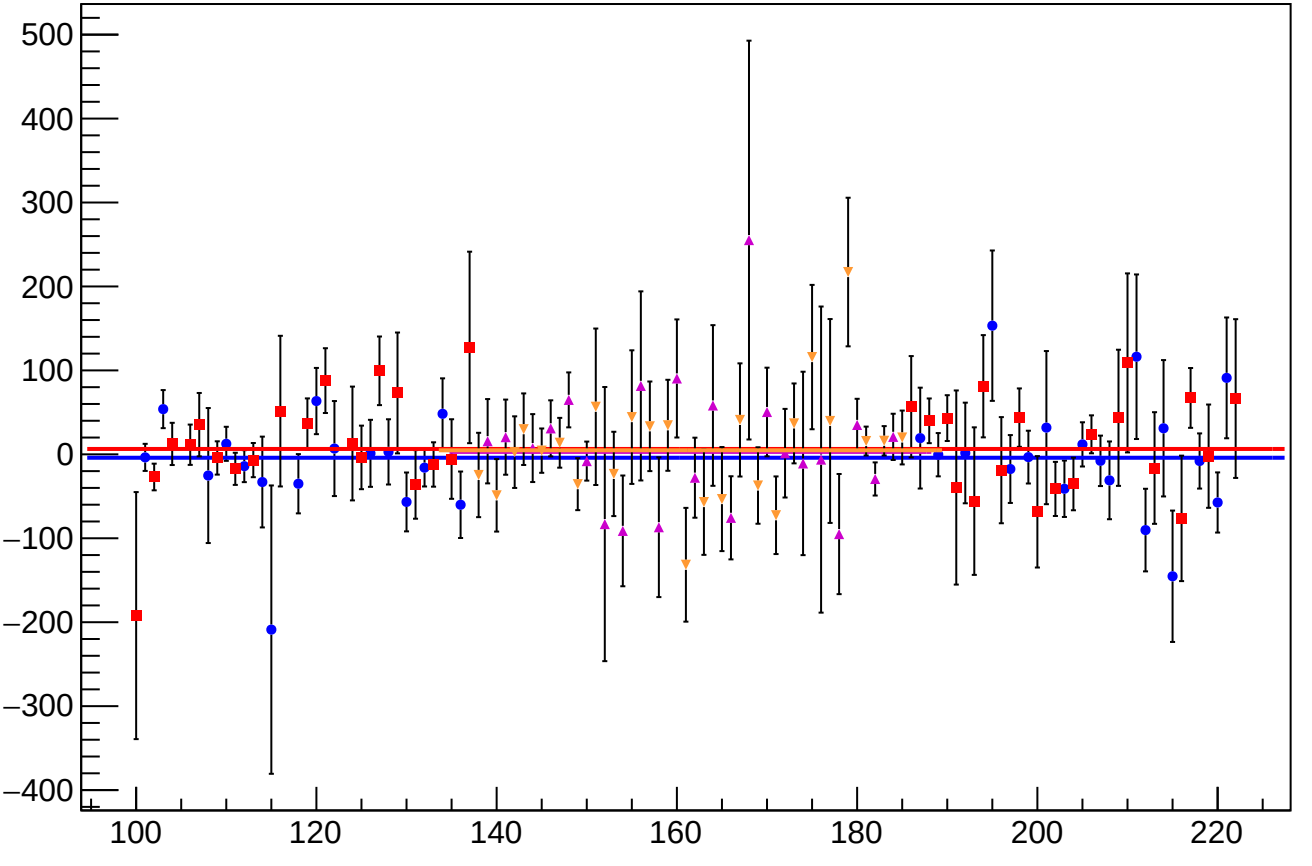
Right: 174.434+/-0.019 χ^2/NDF: 5661602.0/71

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 183.299+/-0.021 χ^2/NDF:5298803.5/62

All: 180.024+/-0.015 χ^2/NDF: 9477732.1/119

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: 6.410+/-5.557 χ^2/NDF: 42.9/37

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

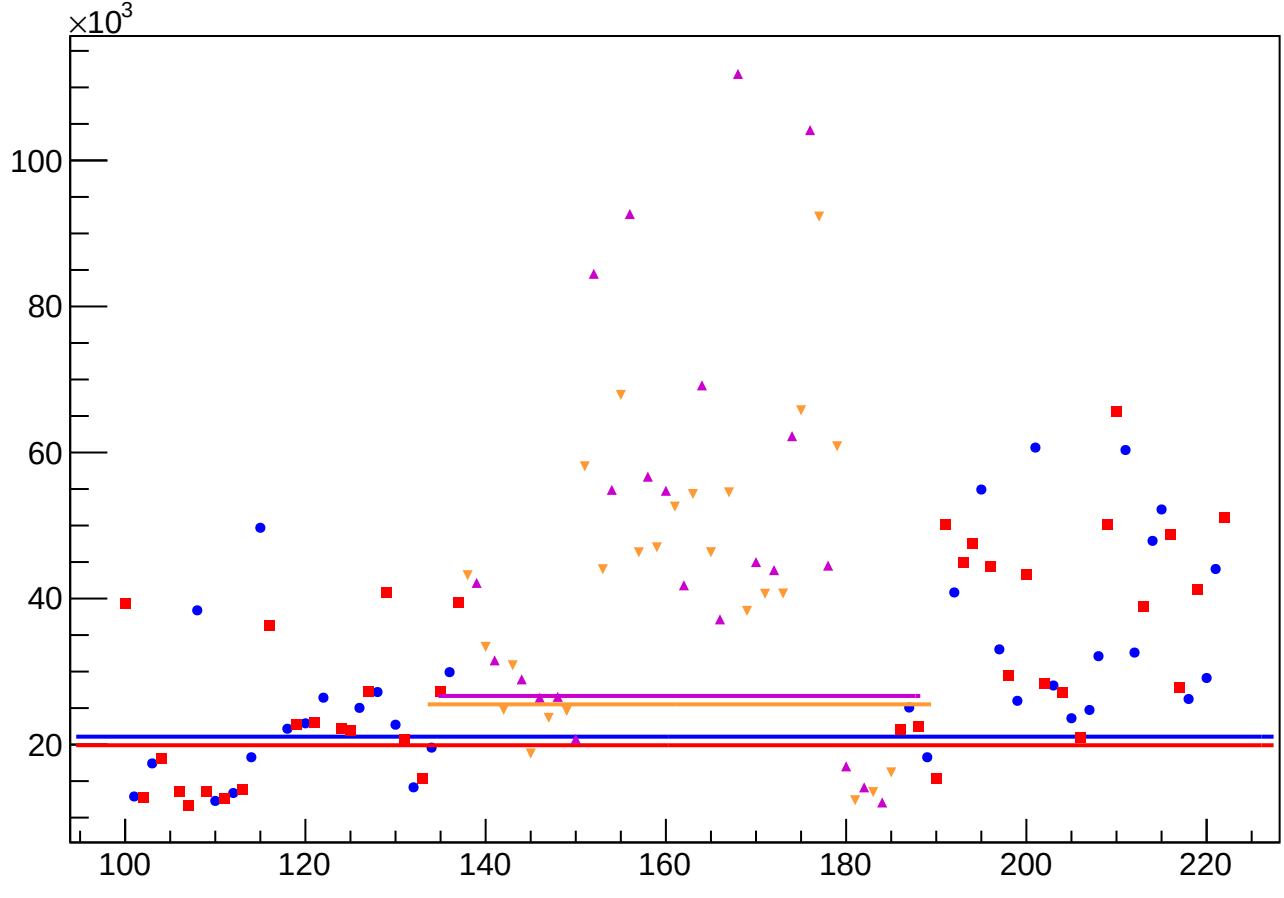
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.450+/-4.032 χ^2/NDF: 81.1/71

In: -1.934+/-4.884 χ^2/NDF:58.5/56

Out: 5.850+/-4.486 χ^2/NDF:67.3/62

All: 2.289+/-3.304 χ^2/NDF: 127.1/119



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: 19911.085+/-3.929 χ^2/NDF: 5258199.3/37

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

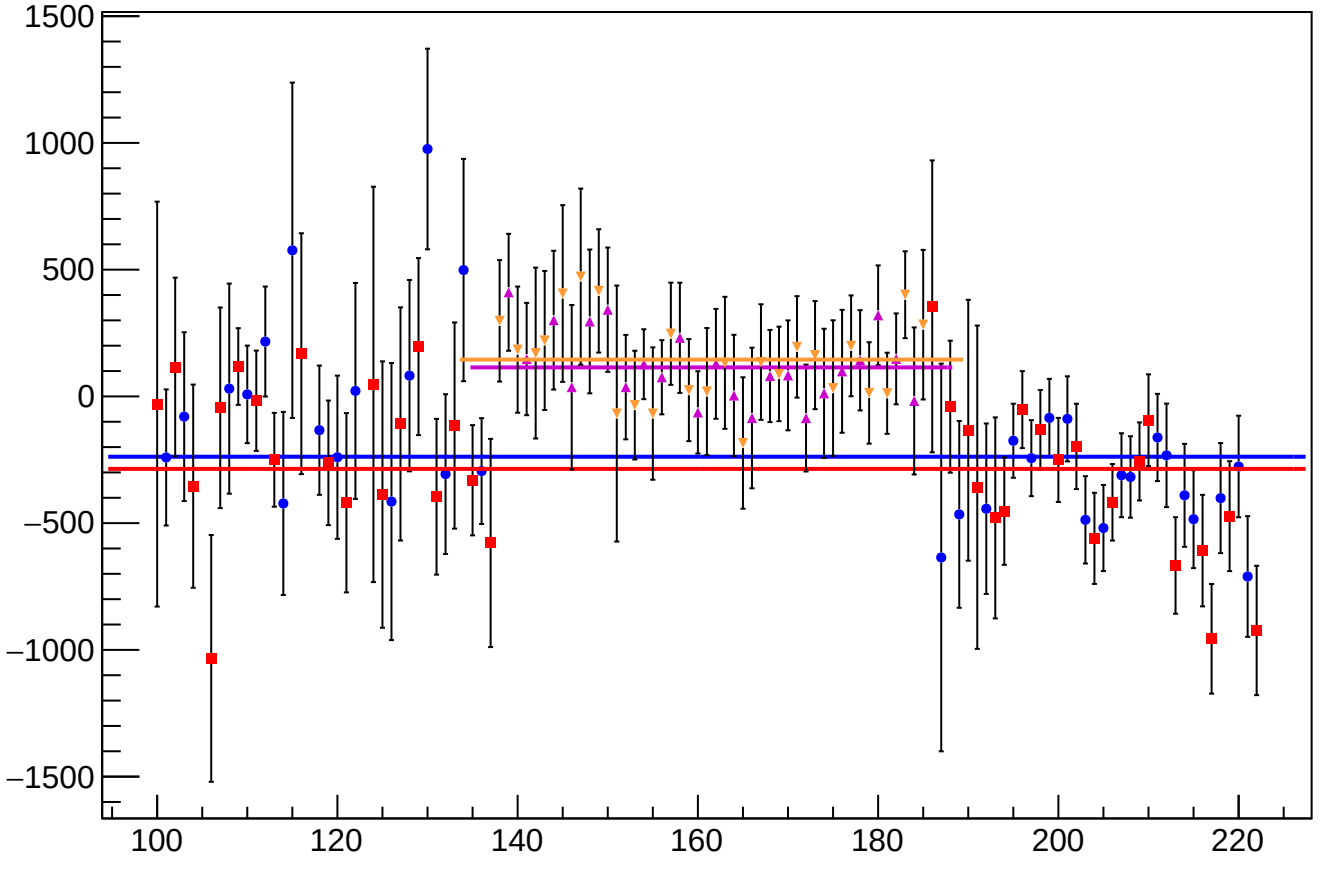
Right: 20467.450+/-2.851 χ^2/NDF: 9819954.7/71

In: 22788.138+/-3.454 χ^2/NDF:10955090.0/56

Out: 21861.979+/-3.172 χ^2/NDF:13708672.7/62

All: 22285.719+/-2.336 χ^2/NDF: 24702769.7

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -237.983+/-38.475 χ^2/NDF: 37.3/33

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -285.970+/-38.419 χ^2/NDF: 51.1/37

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

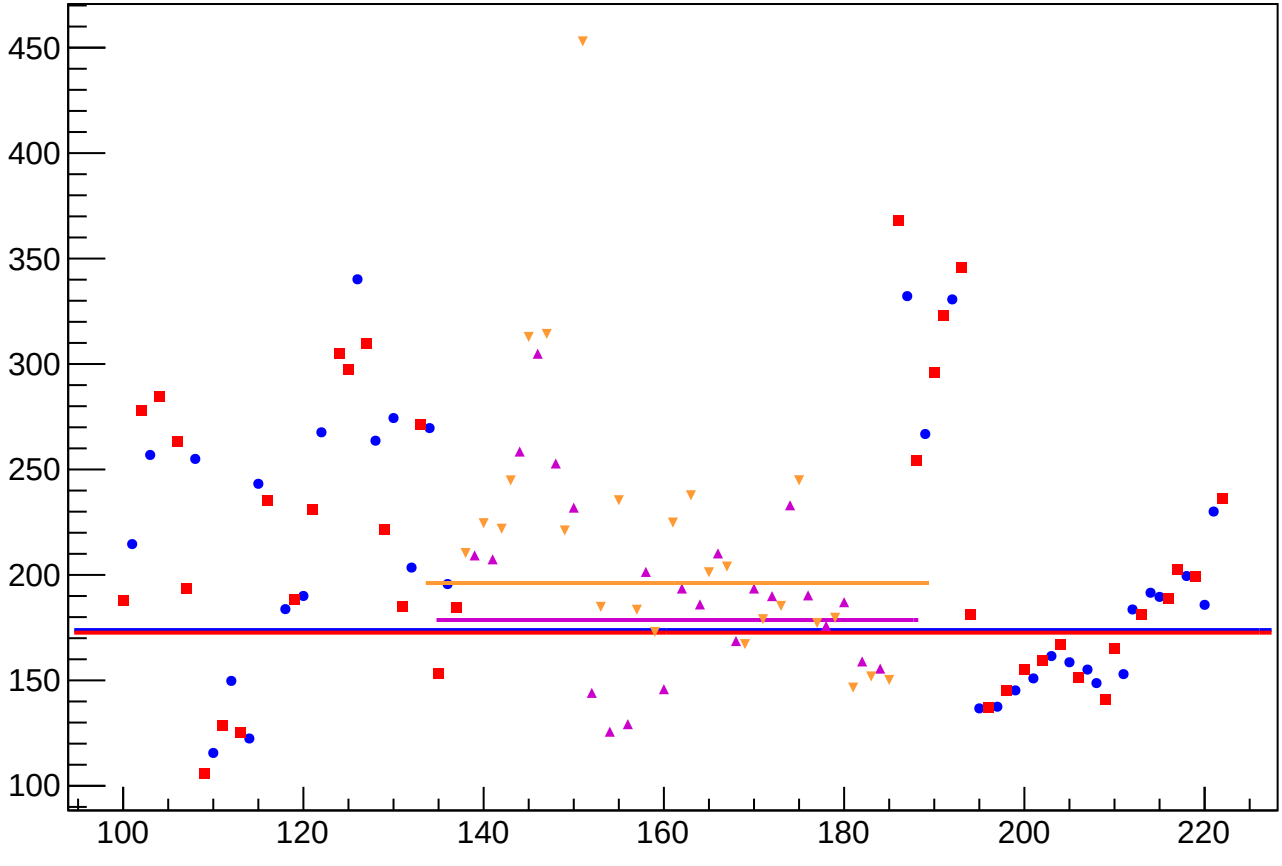
Right: -262.011+/-27.186 χ^2/NDF: 89.2/71

In: -83.789+/-28.854 χ^2/NDF:82.4/56

Out: -109.826+/-29.546 χ^2/NDF:113.7/62

All: -96.499+/-20.643 χ^2/NDF: 196.6/119

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: 172.635+/-0.027 χ^2/NDF: 3236038.4/37

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

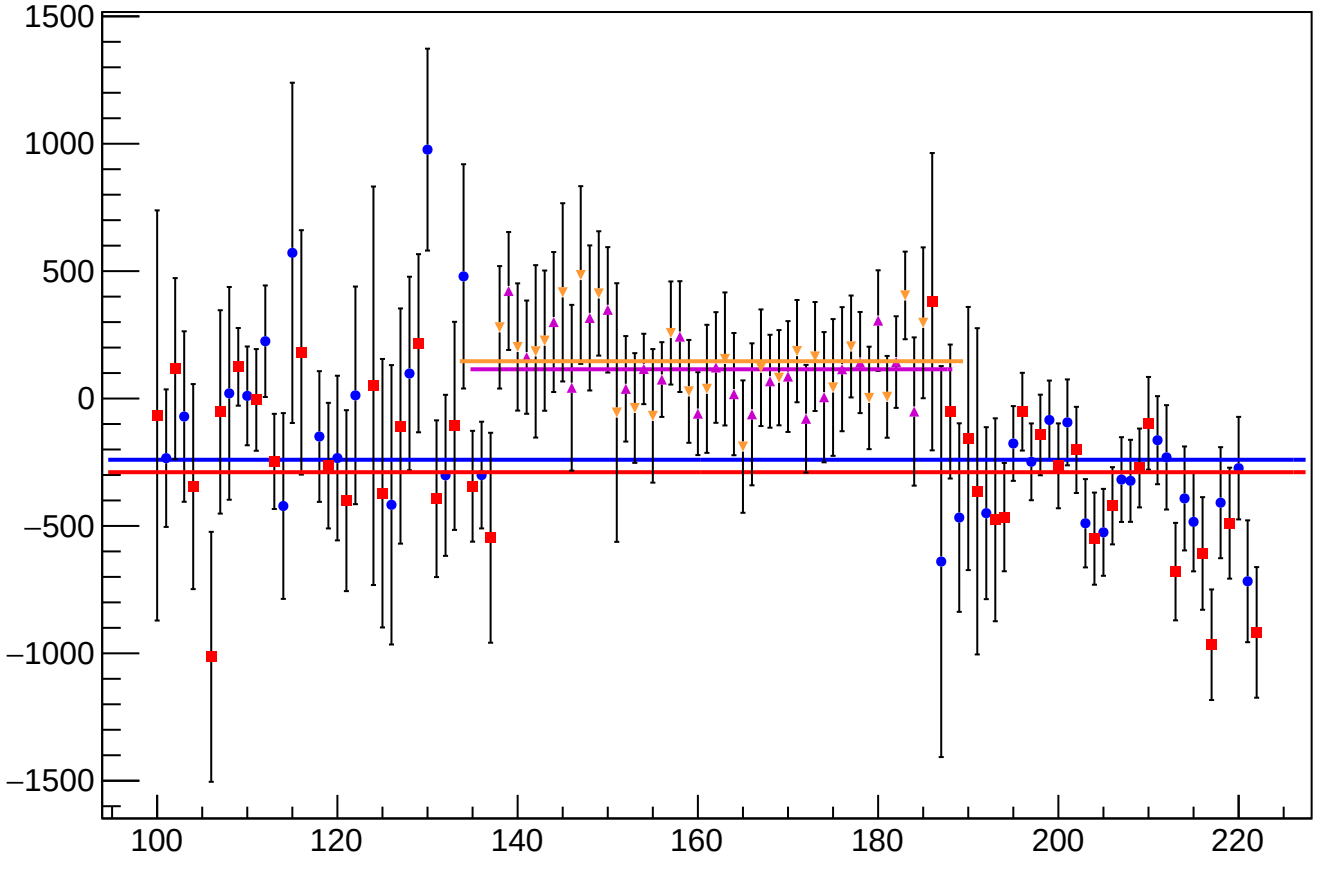
Right: 173.238+/-0.019 χ^2/NDF: 5733000.9/71

In: 175.933+/-0.020 χ^2/NDF:4161351.3/56

Out: 182.249+/-0.021 χ^2/NDF:5349417.6/62

All: 179.016+/-0.015 χ^2/NDF: 9557539.9/119

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: -289.092+/-38.609 χ^2/NDF: 51.2/37

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

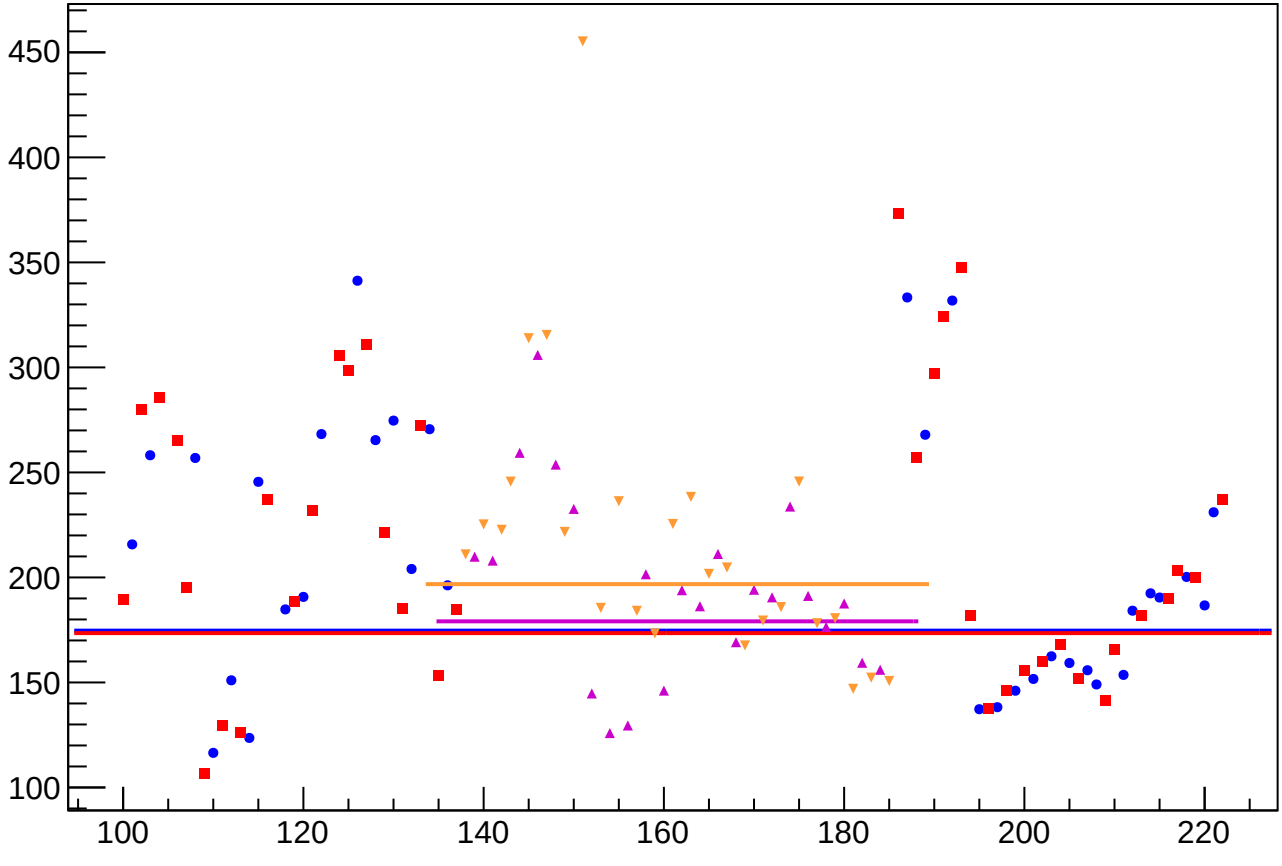
Right: -264.717+/-27.317 χ^2/NDF: 89.4/71

In: -84.573+/-28.965 χ^2/NDF:82.9/56

Out: -110.825+/-29.673 χ^2/NDF:114.7/62

All: -97.382+/-20.727 χ^2/NDF: 197.9/119

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: 173.494+/-0.027 χ^2/NDF: 3231791.2/37

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

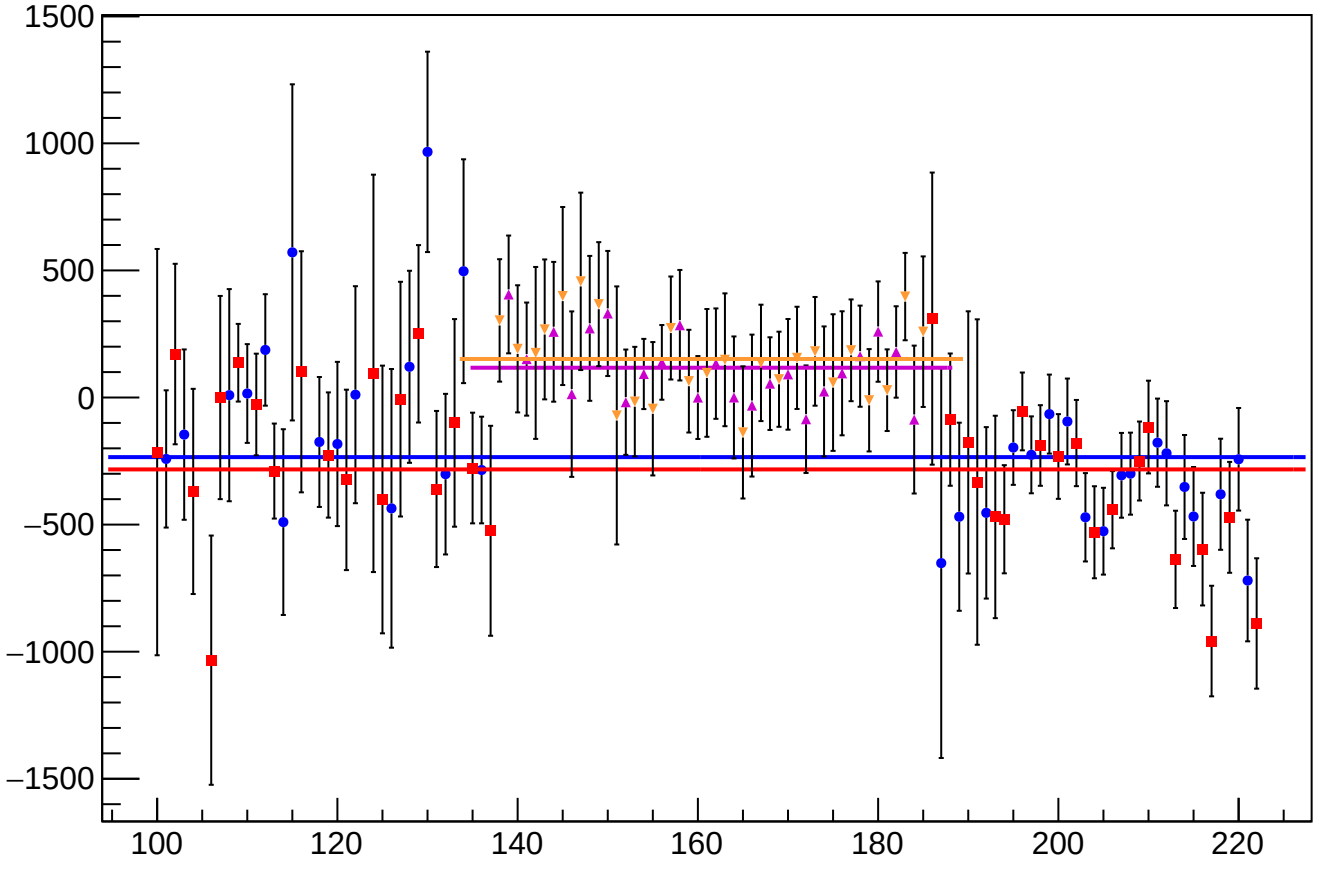
Right: 174.083+/-0.019 χ^2/NDF: 5719819.6/71

In: 176.615+/-0.020 χ^2/NDF:4154468.4/56

Out: 183.036+/-0.021 χ^2/NDF:5338853.2/62

All: 179.748+/-0.015 χ^2/NDF: 9541280.6/119

asym_bcm_an_us_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: -282.865+/-38.662 χ^2/NDF: 49.0/37

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

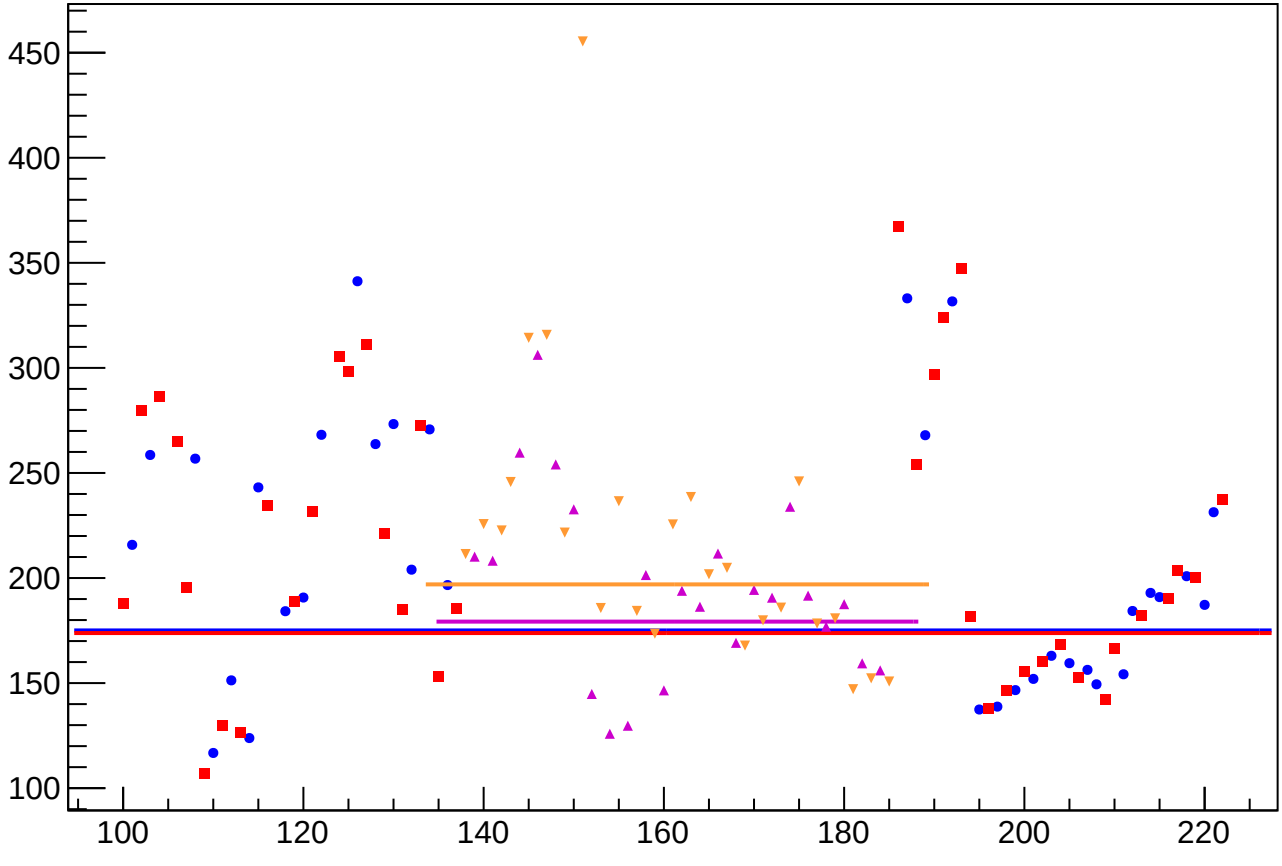
Right: -258.734+/-27.362 χ^2/NDF: 85.8/71

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -104.917+/-29.707 χ^2/NDF:110.4/62

All: -92.223+/-20.754 χ^2/NDF: 190.3/119

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: 173.811+/-0.027 χ^2/NDF: 3195440.8/37

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

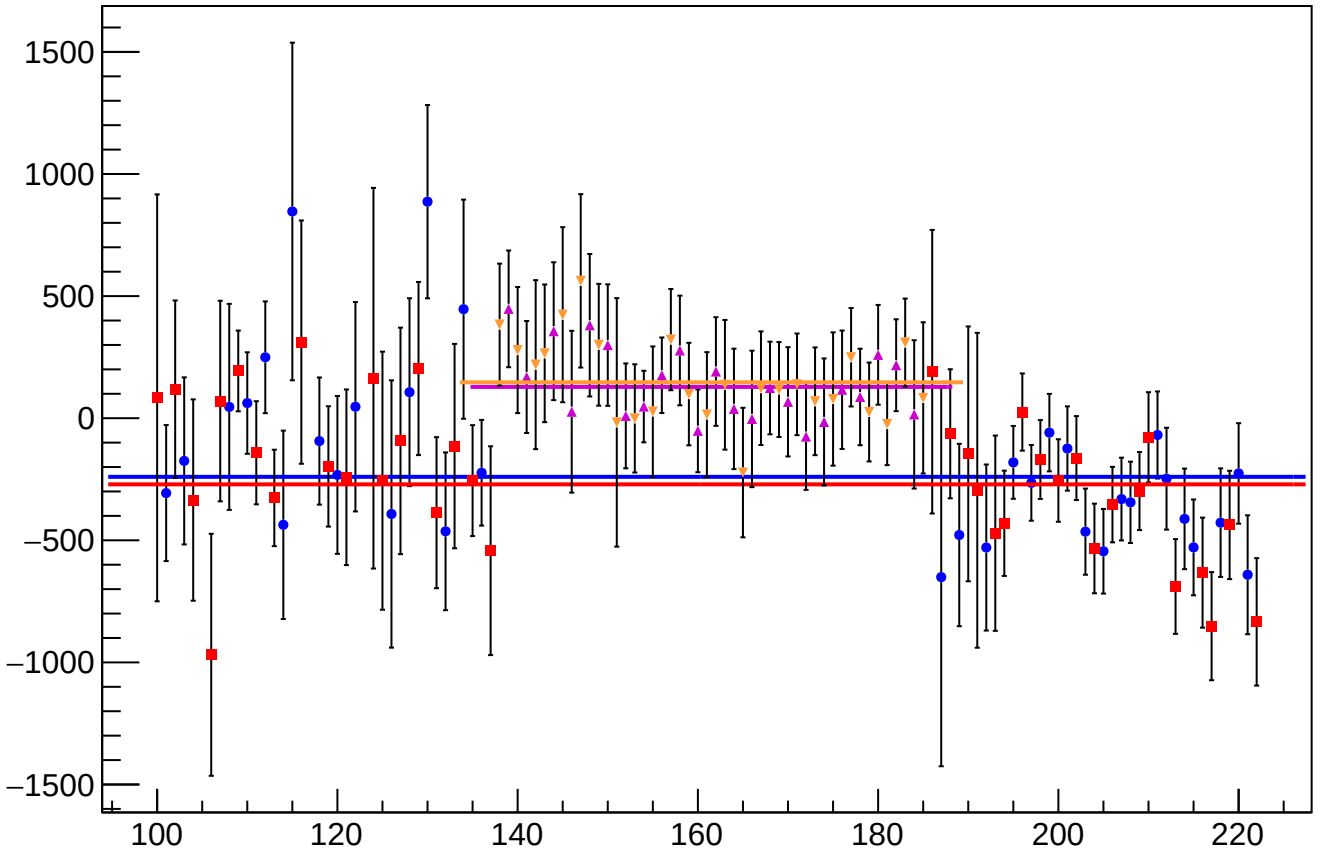
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 174.434+/-0.019 χ^2/NDF: 5661602.0/71

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 183.299+/-0.021 χ^2/NDF:5298803.5/62

All: 180.024+/-0.015 χ^2/NDF: 9477732.1/119



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: -270.909+/-39.630 χ^2/NDF: 46.0/37

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

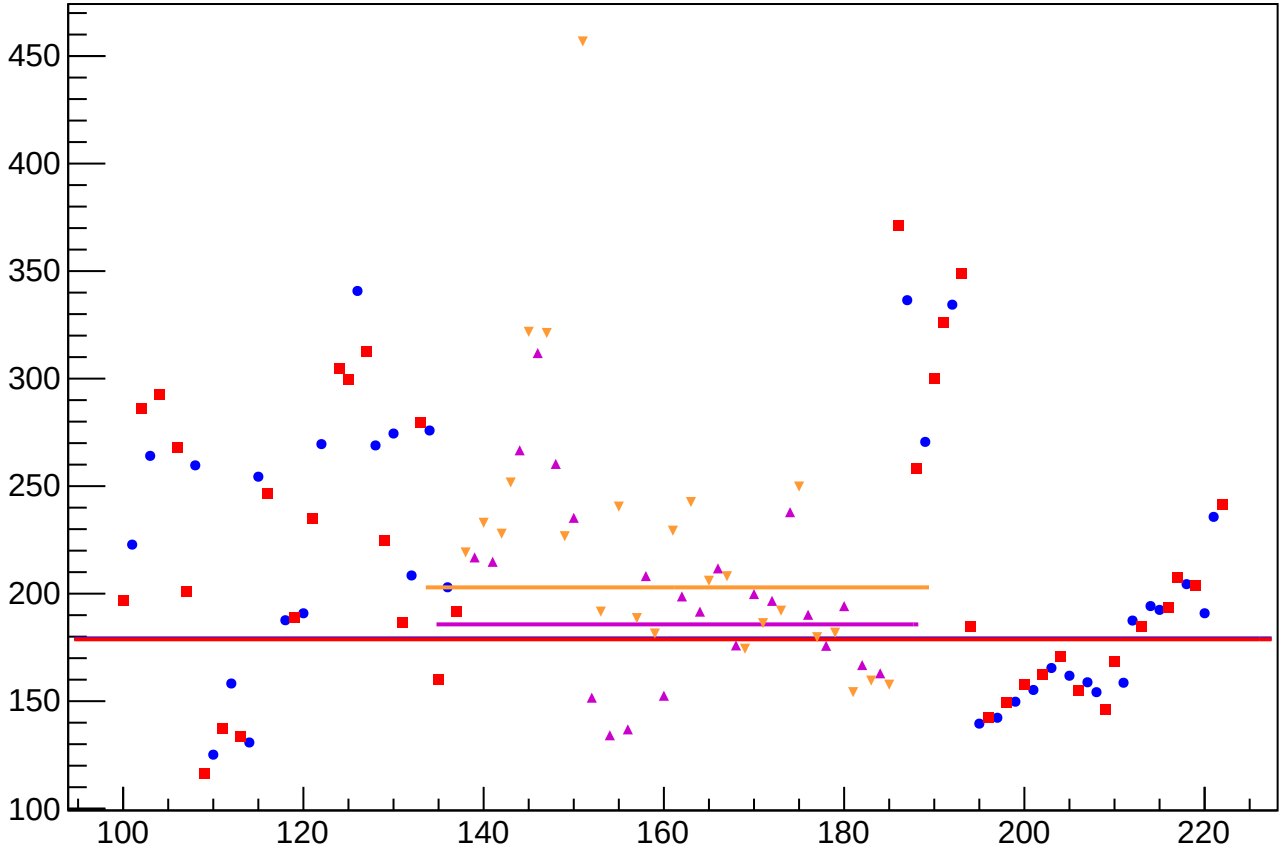
Right: -255.465+/-28.002 χ^2/NDF: 84.8/71

In: -80.297+/-29.773 χ^2/NDF:84.7/56

Out: -100.294+/-30.485 χ^2/NDF:101.5/62

All: -90.059+/-21.300 χ^2/NDF: 186.4/119

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: 178.776+/-0.028 χ^2/NDF: 2967529.9/37

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

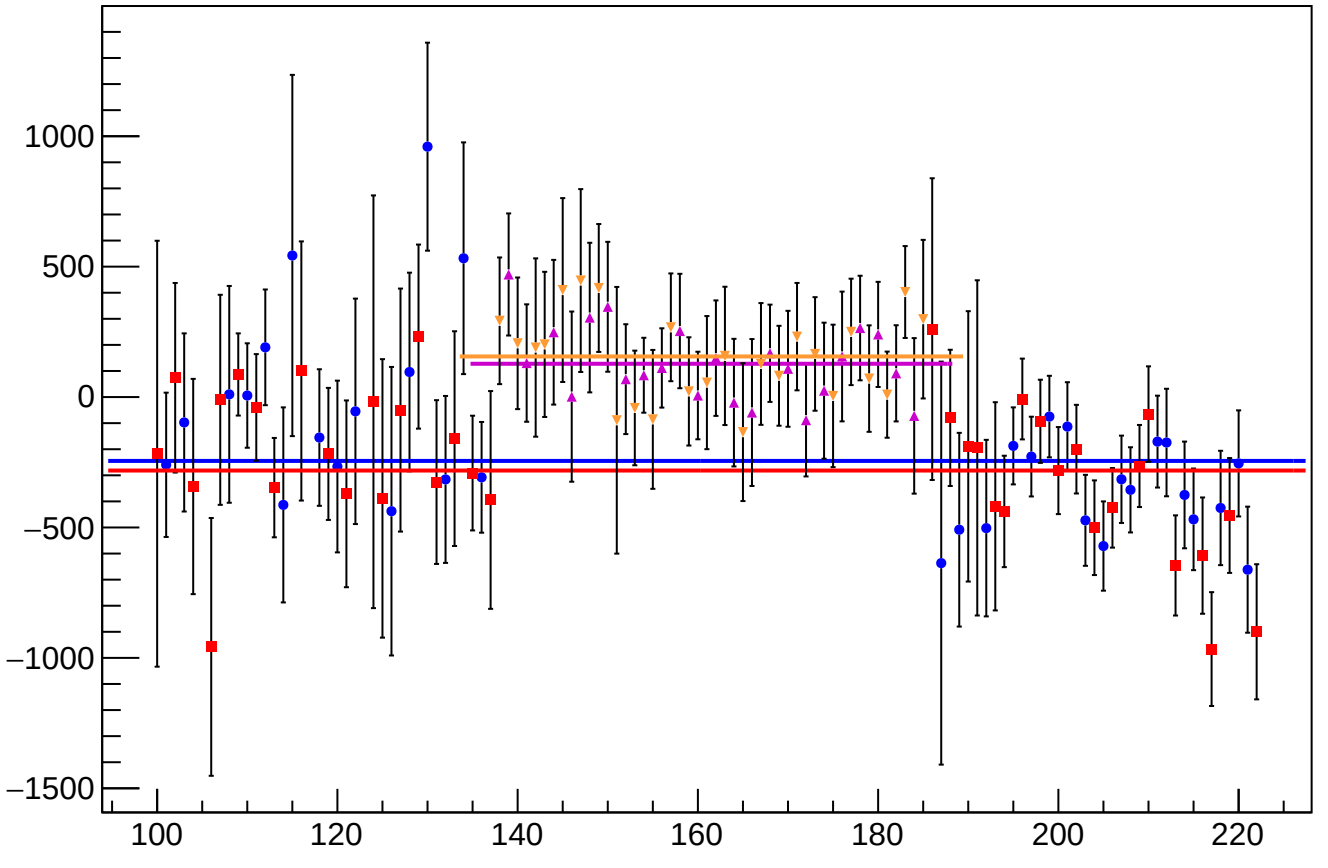
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 178.974+/-0.020 χ^2/NDF: 5322735.5/71

In: 182.011+/-0.021 χ^2/NDF:3868332.0/56

Out: 188.634+/-0.022 χ^2/NDF:4970743.6/62

All: 185.244+/-0.015 χ^2/NDF: 8887387.7/119



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: -281.696+/-39.054 χ^2/NDF: 46.3/37

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

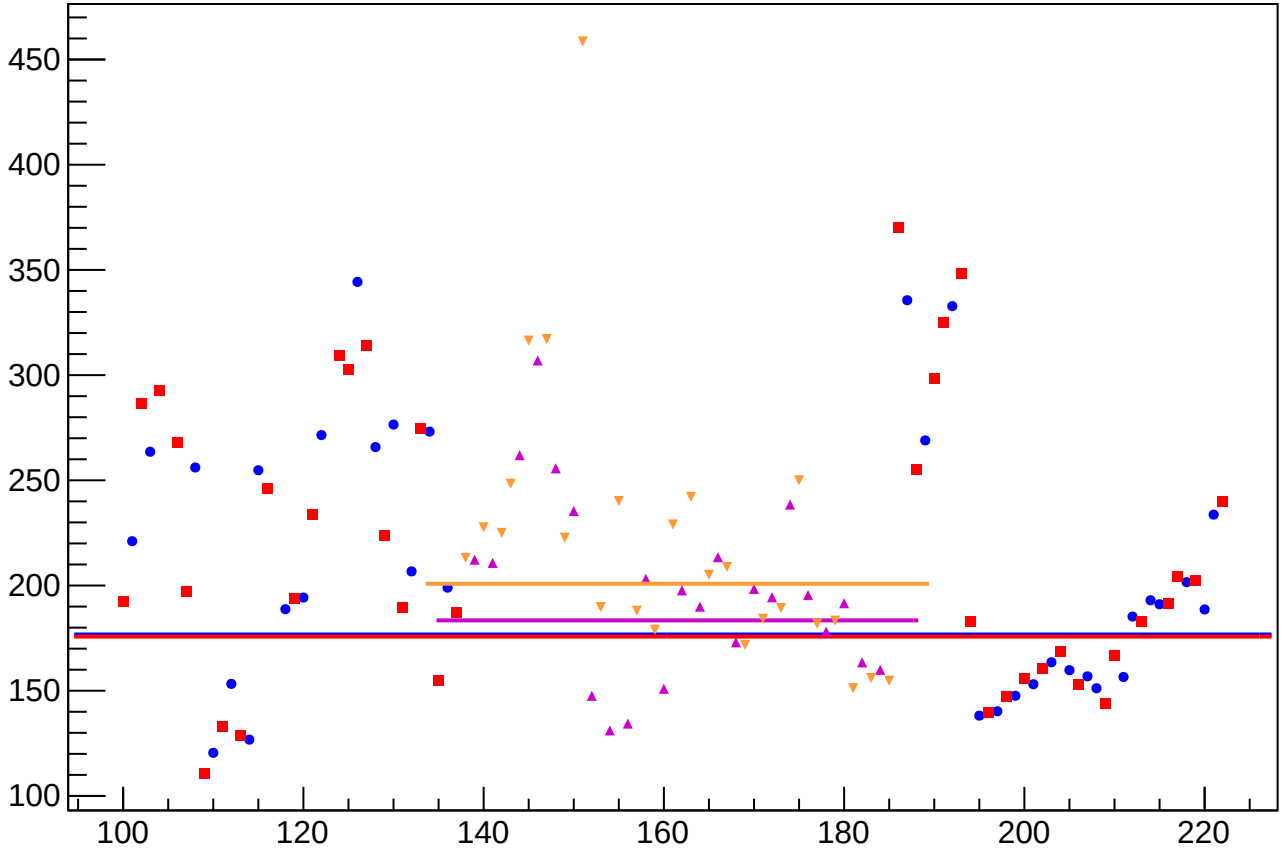
Right: -263.282+/-27.626 χ^2/NDF: 82.7/71

In: -83.441+/-29.422 χ^2/NDF:83.3/56

Out: -104.245+/-30.106 χ^2/NDF:107.8/62

All: -93.604+/-21.042 χ^2/NDF: 191.4/119

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: 175.738+/-0.028 χ^2/NDF: 3150594.3/37

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

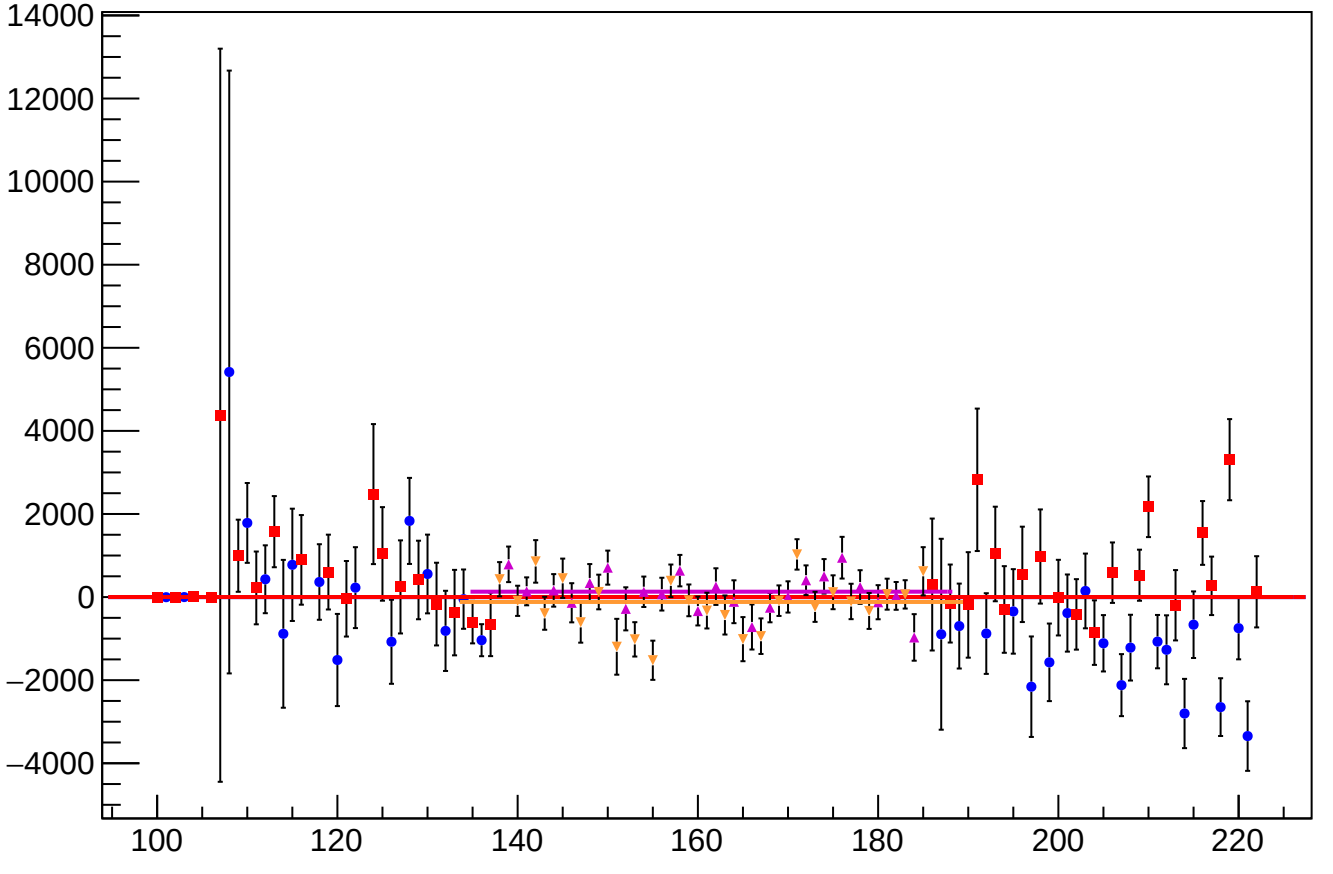
Right: 176.233+/-0.020 χ^2/NDF: 5601122.8/71

In: 179.633+/-0.021 χ^2/NDF:4006074.8/56

Out: 185.933+/-0.021 χ^2/NDF:5213905.5/62

All: 182.711+/-0.015 χ^2/NDF: 9264776.4/119

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: 1.433+/-2.022 χ^2/NDF: 48.9/37

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

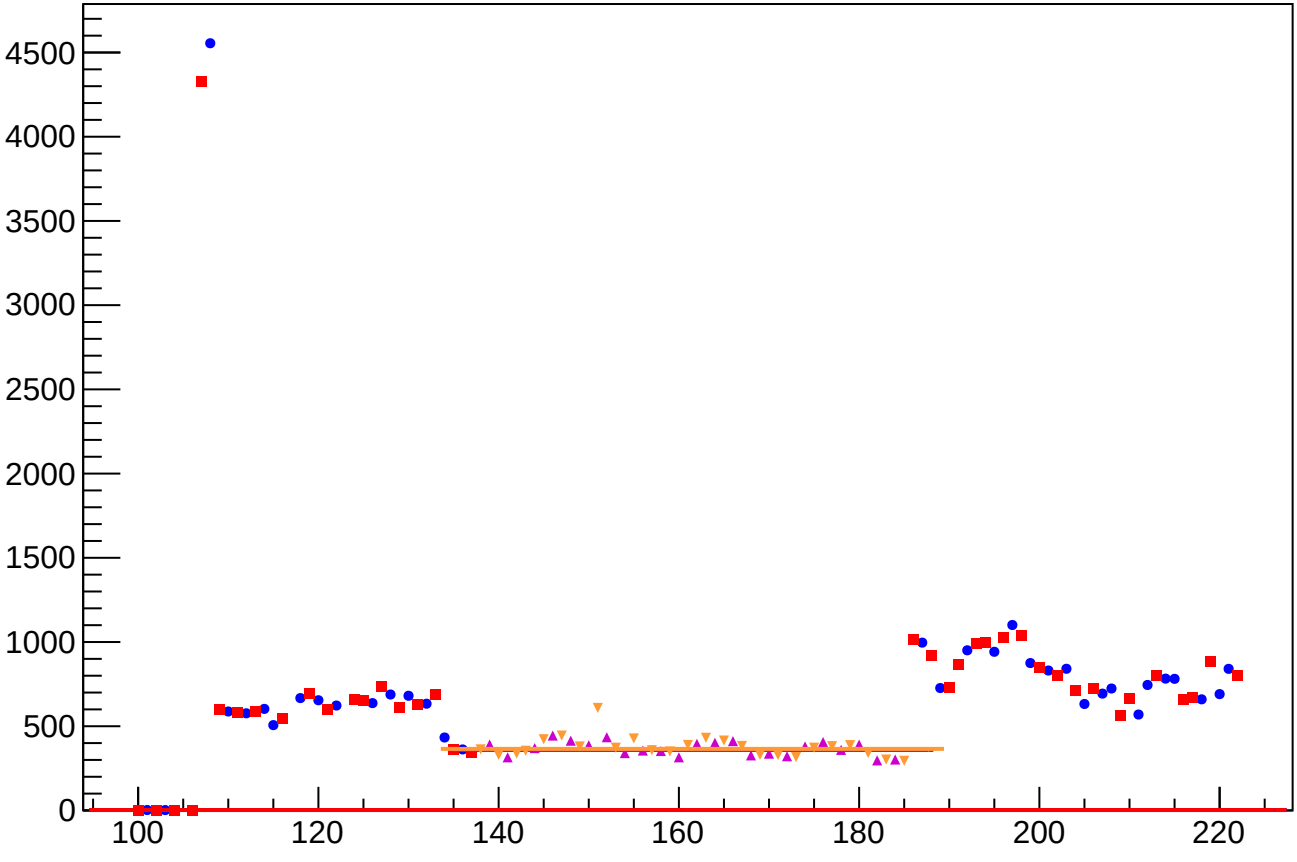
Right: 0.115+/-1.480 χ^2/NDF: 139.1/71

In: -1.318+/-2.170 χ^2/NDF:113.3/56

Out: 1.364+/-2.022 χ^2/NDF:97.3/62

All: 0.118+/-1.479 χ^2/NDF: 211.4/119

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: 2.538+/-0.001 χ^2/NDF: 40869512.3/37

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

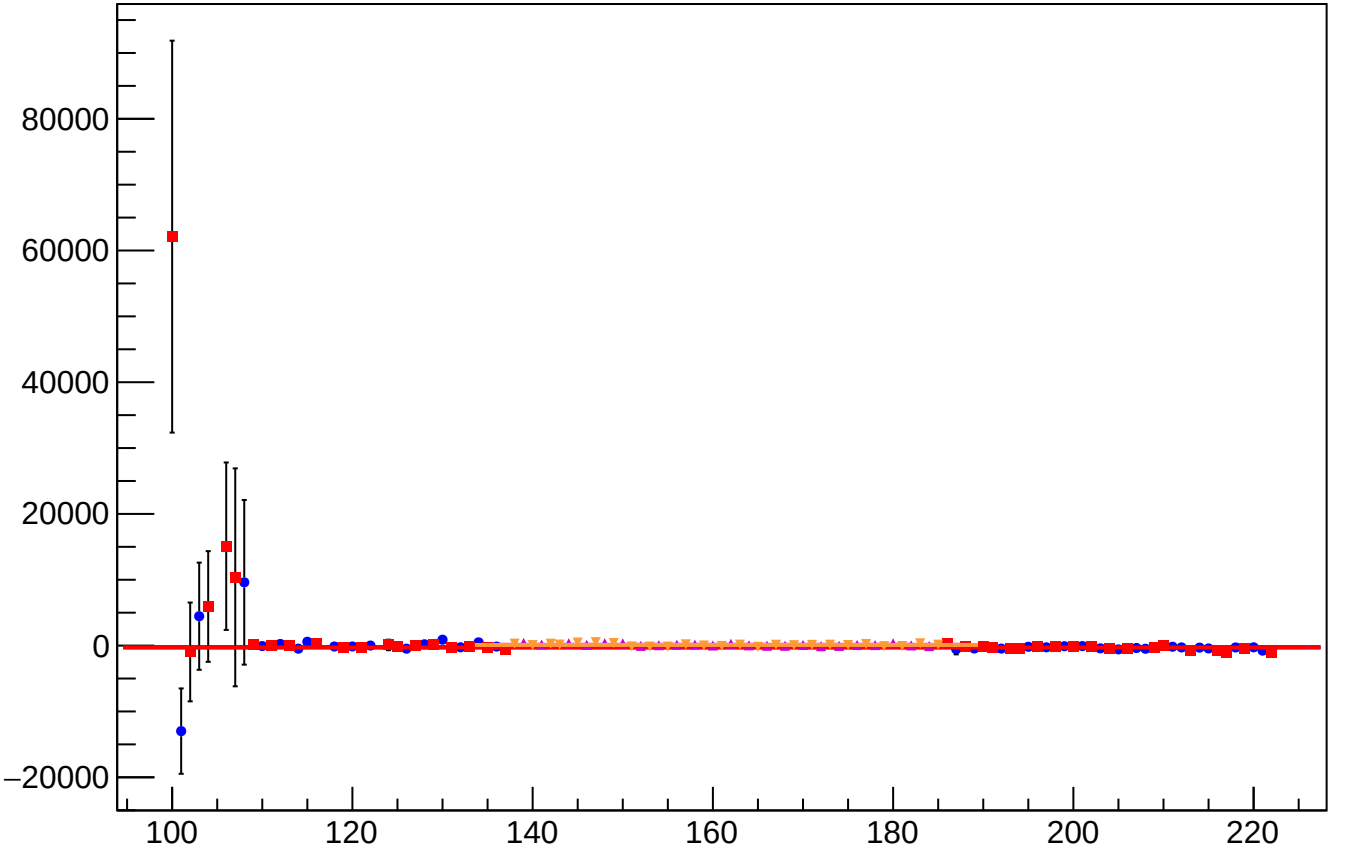
Right: 2.551+/-0.001 χ^2/NDF: 81587936.9/71

In: 2.798+/-0.002 χ^2/NDF:76252970.0/56

Out: 2.747+/-0.001 χ^2/NDF:78695252.4/62

All: 2.770+/-0.001 χ^2/NDF: 154948806.9/119

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: -290.798+/-42.782 χ^2/NDF: 56.1/37

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

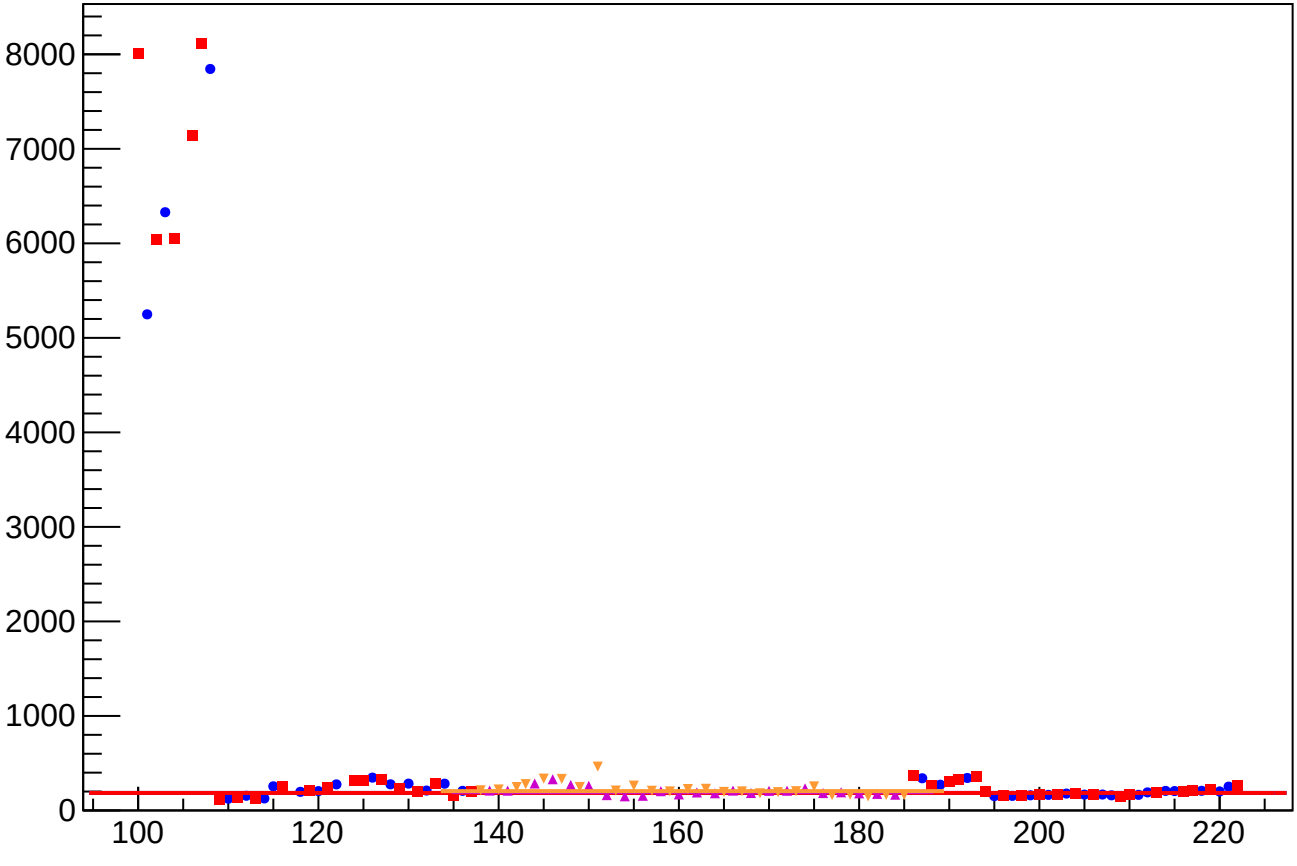
Right: -266.357+/-30.089 χ^2/NDF: 95.5/71

In: -80.266+/-31.439 χ^2/NDF:80.7/56

Out: -118.963+/-32.011 χ^2/NDF:105.5/62

All: -99.265+/-22.430 χ^2/NDF: 187.0/119

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: 185.306+/-0.030 χ^2/NDF: 5860974.6/37

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

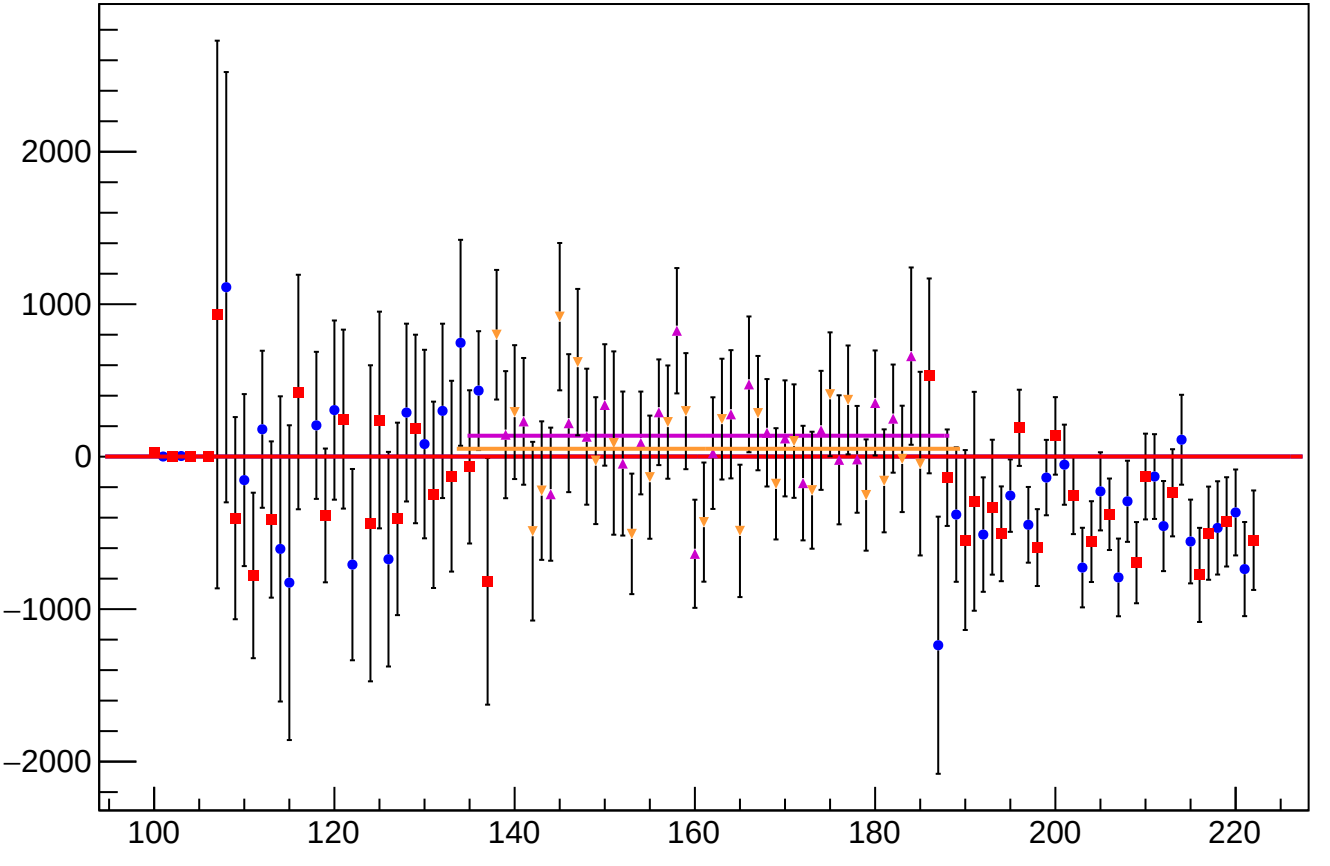
Right: 185.298+/-0.021 χ^2/NDF: 10986001.7/71

In: 189.147+/-0.022 χ^2/NDF:6353685.5/56

Out: 193.790+/-0.023 χ^2/NDF:8014771.1/62

All: 191.427+/-0.016 χ^2/NDF: 14389878.9/1

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: 0.930+/-1.527 χ^2/NDF: 50.5/37

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

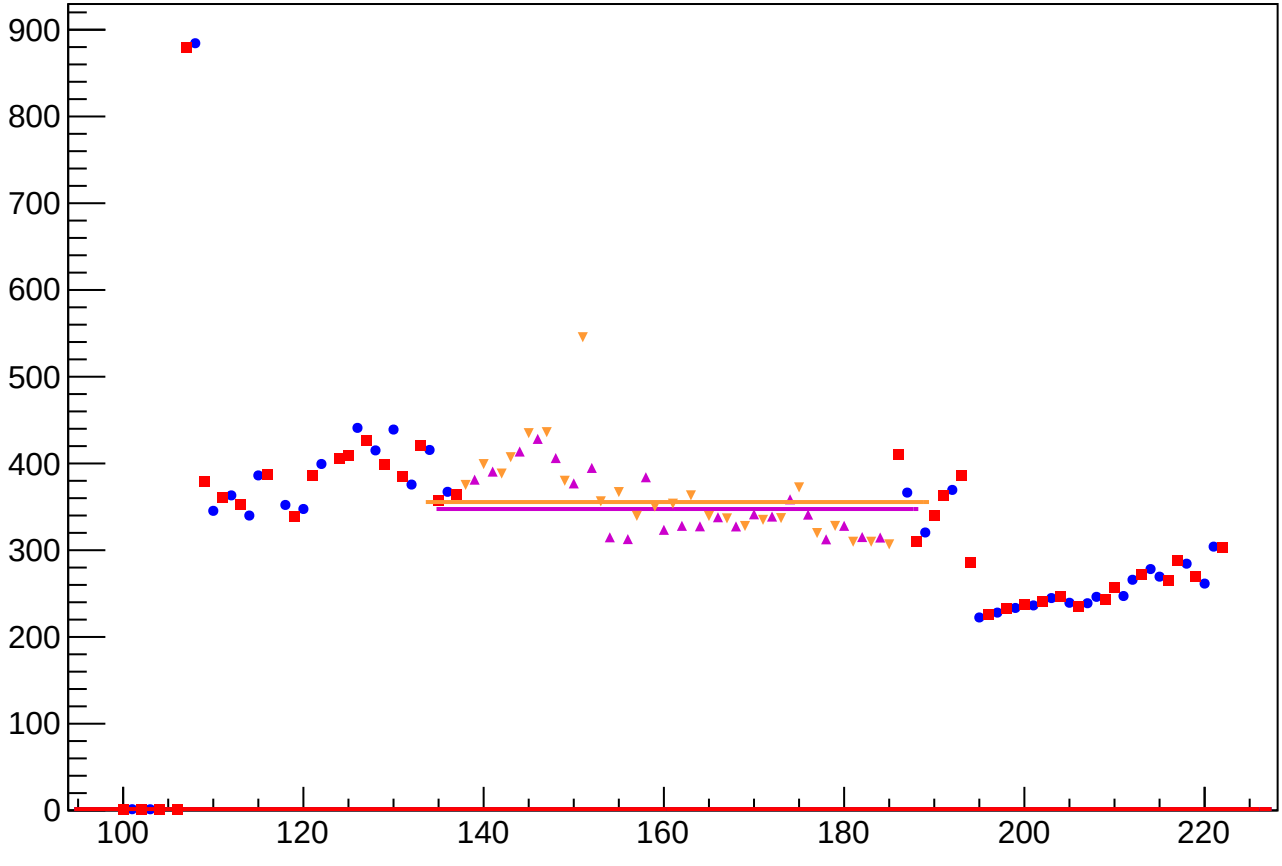
Right: 1.066+/-1.124 χ^2/NDF: 104.1/71

In: 1.282+/-1.659 χ^2/NDF:68.5/56

Out: 0.947+/-1.527 χ^2/NDF:70.4/62

All: 1.101+/-1.124 χ^2/NDF: 138.9/119

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: 1.595+/-0.001 χ^2/NDF: 40537314.7/37

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

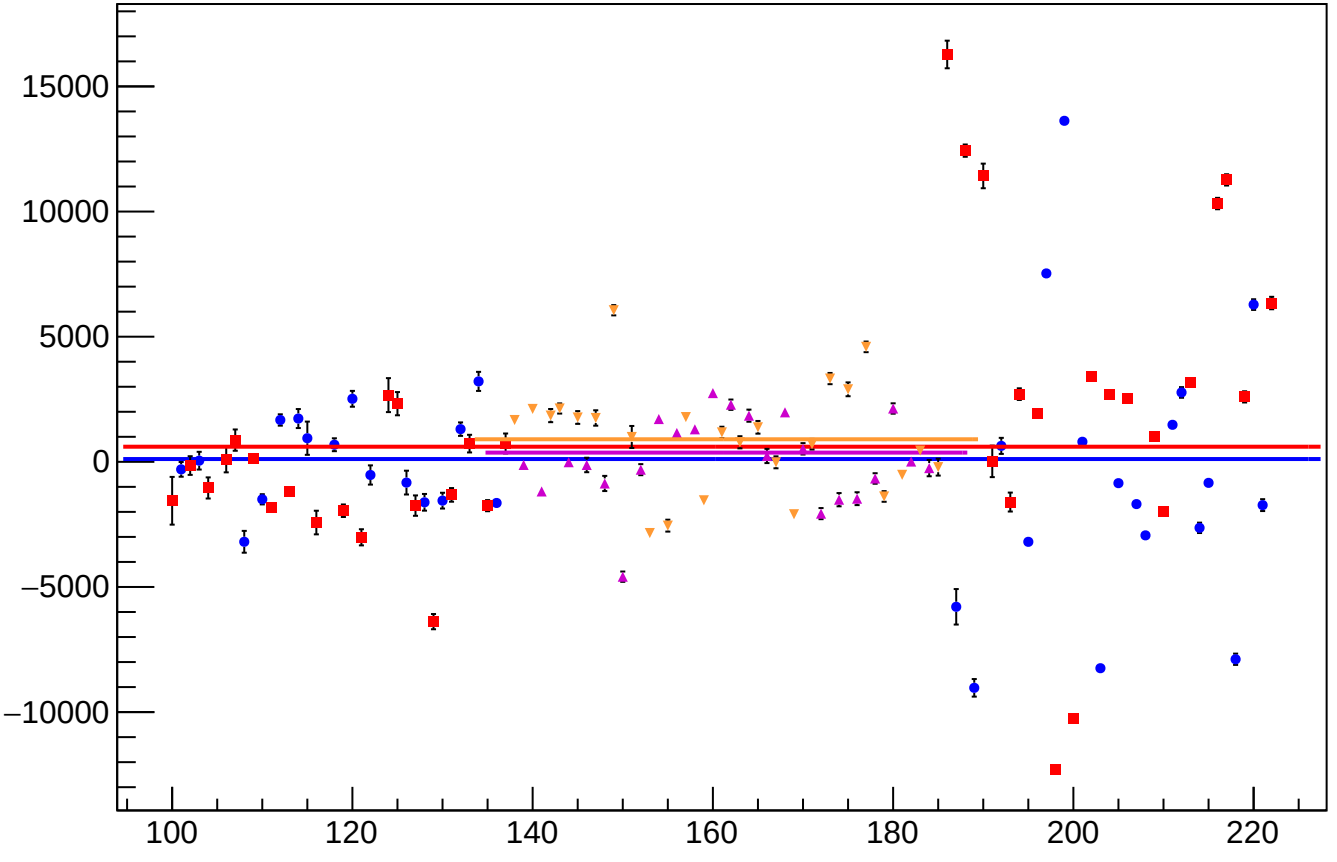
Right: 1.609+/-0.001 χ^2/NDF: 81413927.0/71

In: 1.766+/-0.001 χ^2/NDF:76689726.4/56

Out: 1.719+/-0.001 χ^2/NDF:78722429.8/62

All: 1.741+/-0.001 χ^2/NDF: 155413042.3/119

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: 604.225+/-40.400 χ^2/NDF: 19407.6/37

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

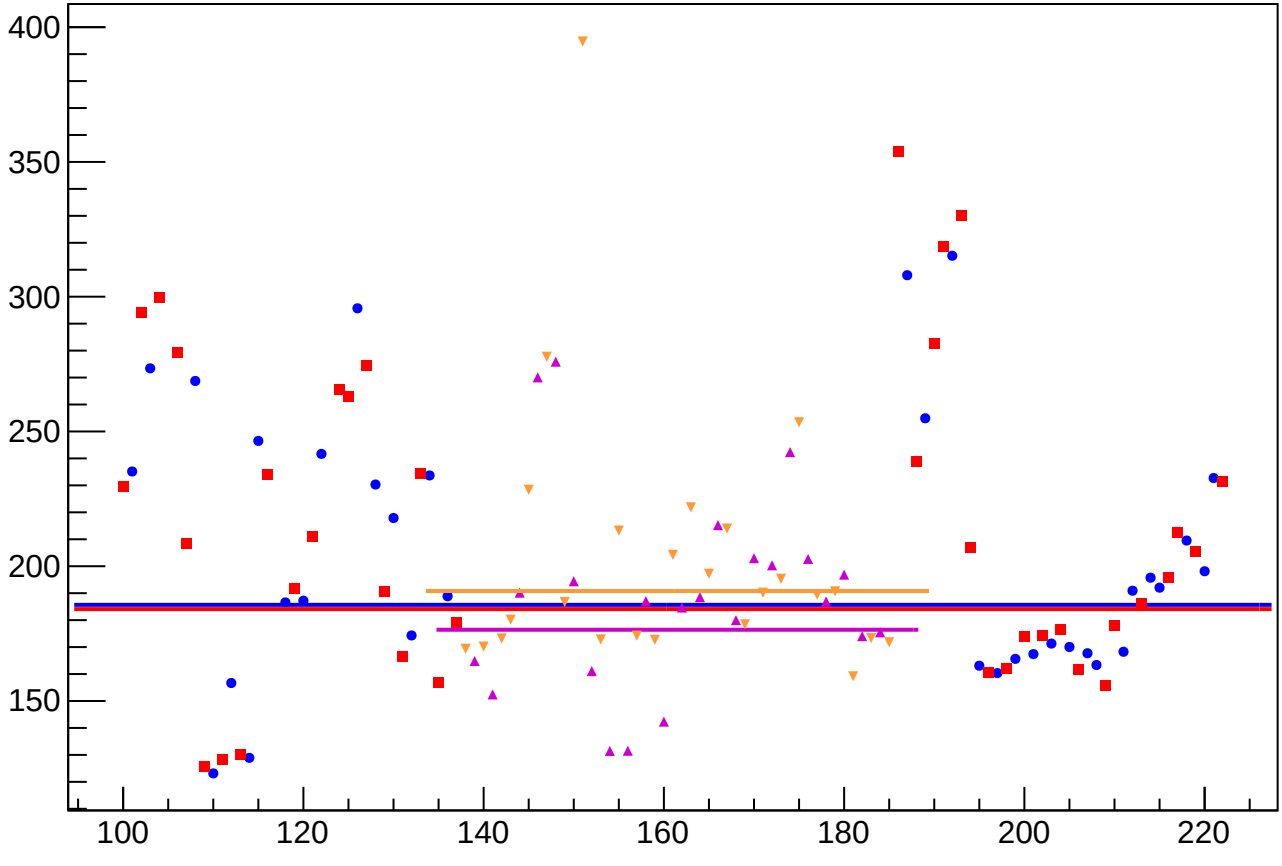
Right: 358.951+/-28.631 χ^2/NDF: 33880.8/71

In: 233.343+/-29.415 χ^2/NDF:16011.2/56

Out: 738.593+/-29.906 χ^2/NDF:21843.0/62

All: 481.785+/-20.971 χ^2/NDF: 37999.3/119

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: 184.084+/-0.029 χ^2/NDF: 2329003.6/37

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

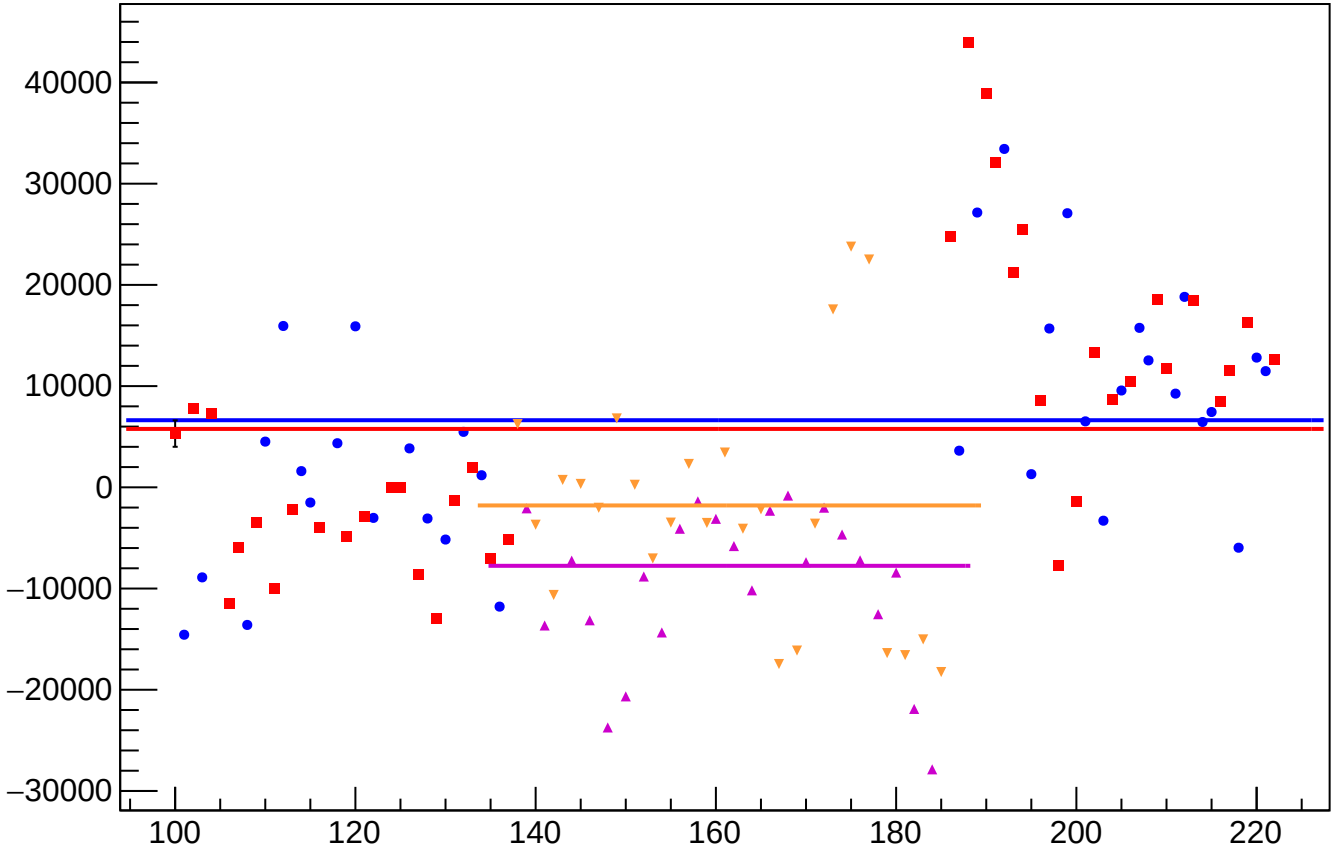
Right: 184.873+/-0.020 χ^2/NDF: 3903896.1/71

In: 181.286+/-0.021 χ^2/NDF:2880212.0/56

Out: 187.120+/-0.021 χ^2/NDF:3373594.3/62

All: 184.155+/-0.015 χ^2/NDF: 6292500.0/119

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5769.973+/-36.108 χ^2/NDF: 150392.9/37

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

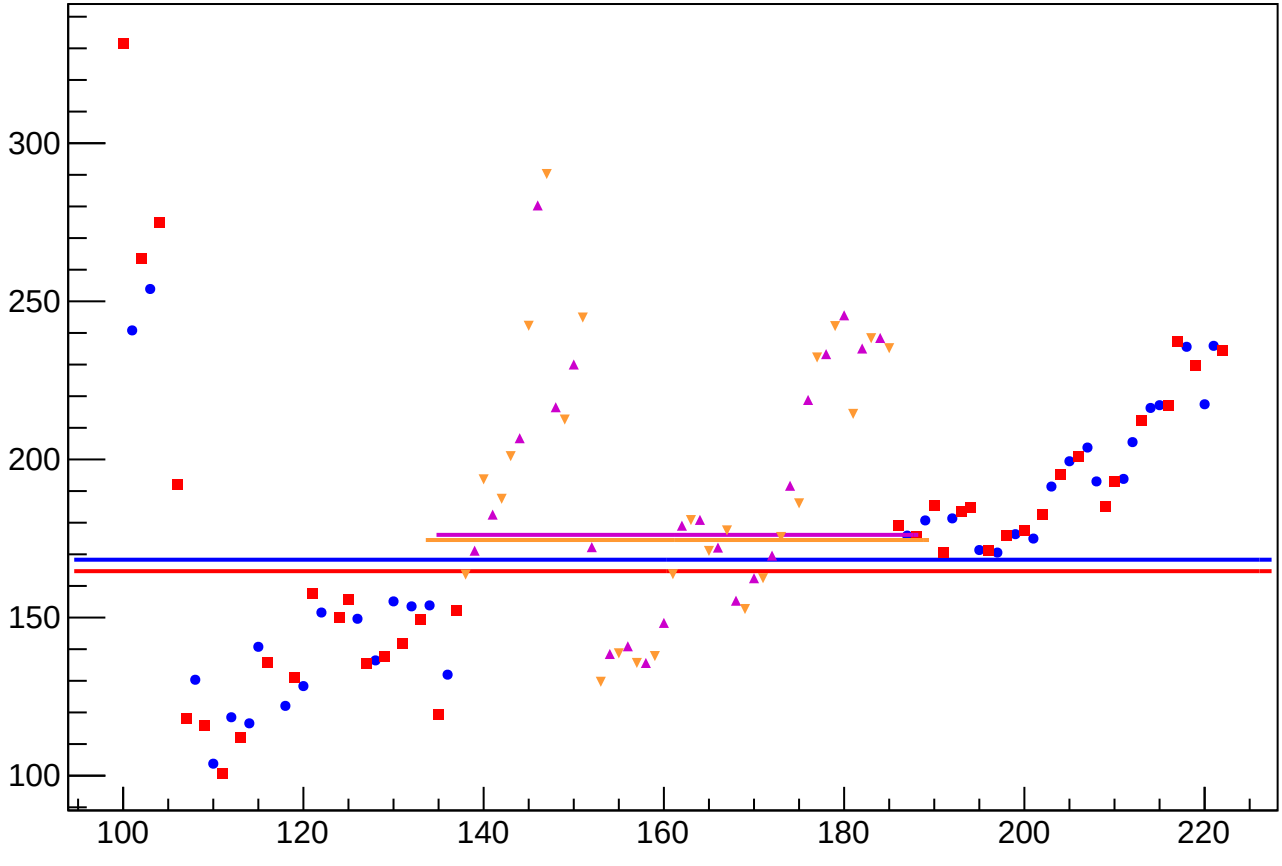
Right: 6188.639+/-25.873 χ^2/NDF: 250965.6/71

In: 422.744+/-27.966 χ^2/NDF:188479.9/56

Out: 2459.422+/-27.071 χ^2/NDF:235336.0/62

All: 1474.169+/-19.451 χ^2/NDF: 426554.0/11

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: 164.672+/-0.026 χ^2/NDF: 2418488.0/37

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

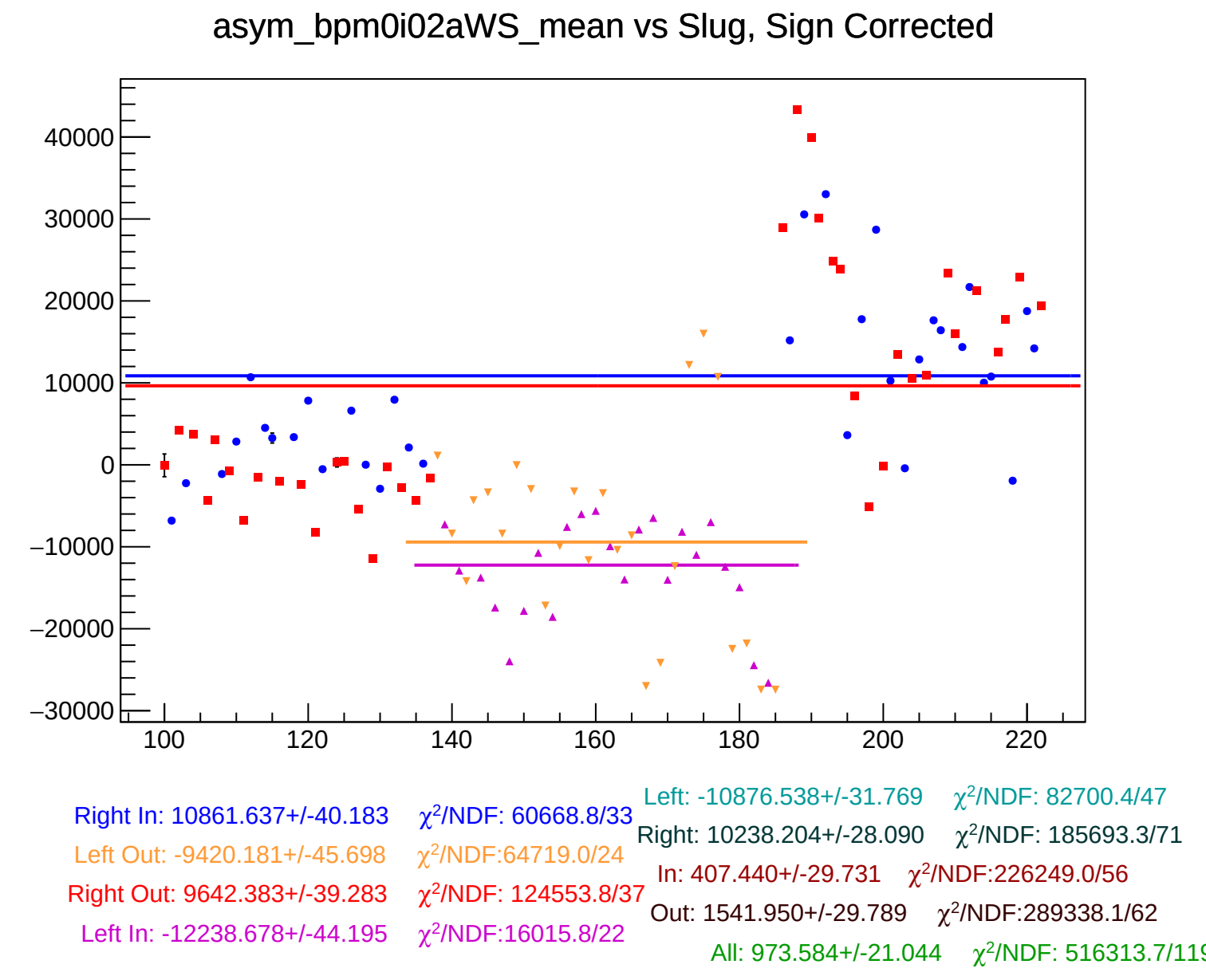
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 166.435+/-0.018 χ^2/NDF: 4514592.5/71

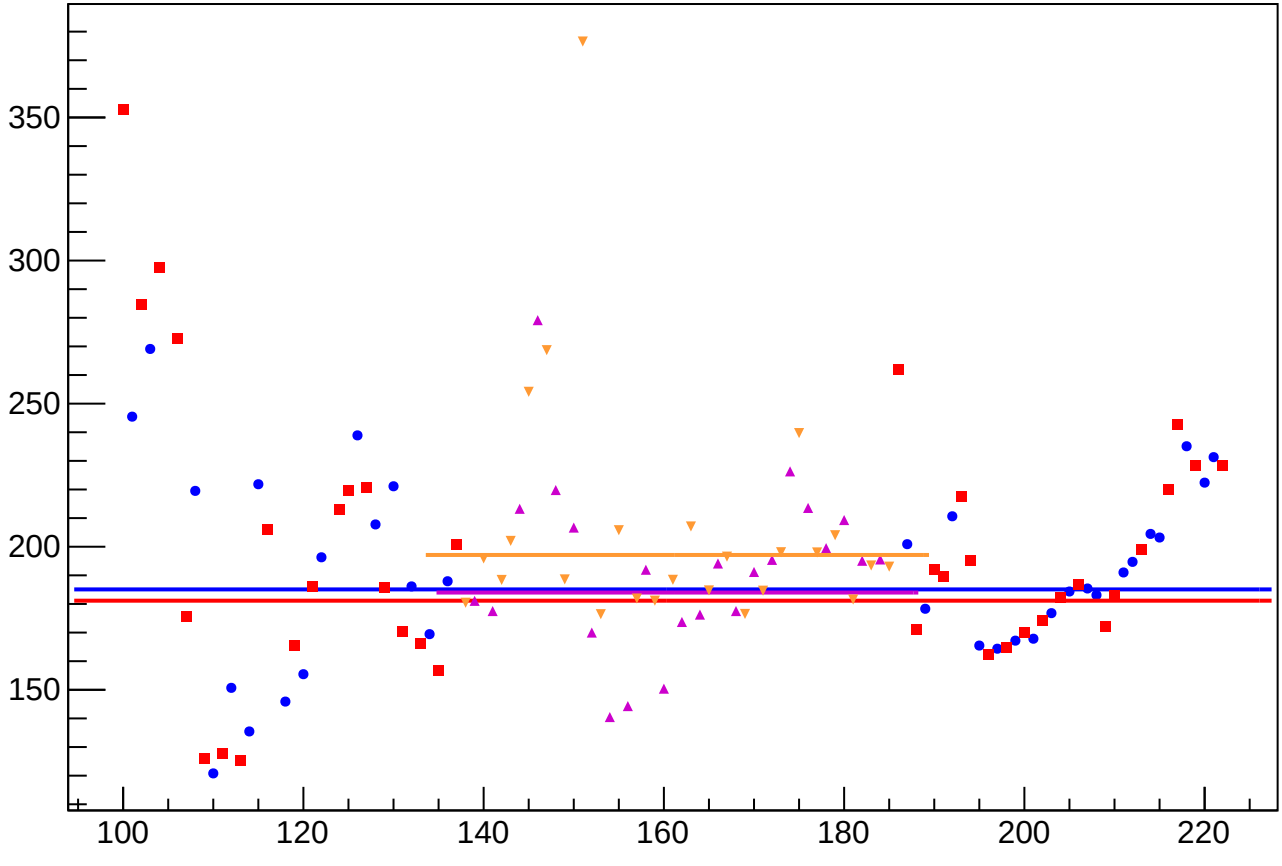
In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 168.984+/-0.019 χ^2/NDF:4143114.6/62

All: 170.292+/-0.014 χ^2/NDF: 7644855.0/119


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 9642.383+/-39.283 χ²/NDF: 124553.8/37
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 10238.204+/-28.090 χ²/NDF: 185693.3/71
In: 407.440+/-29.731 χ²/NDF:226249.0/56
Out: 1541.950+/-29.789 χ²/NDF:289338.1/62
All: 973.584+/-21.044 χ²/NDF: 516313.7/119

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 181.145+/-0.028 χ^2/NDF: 1573703.2/37

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

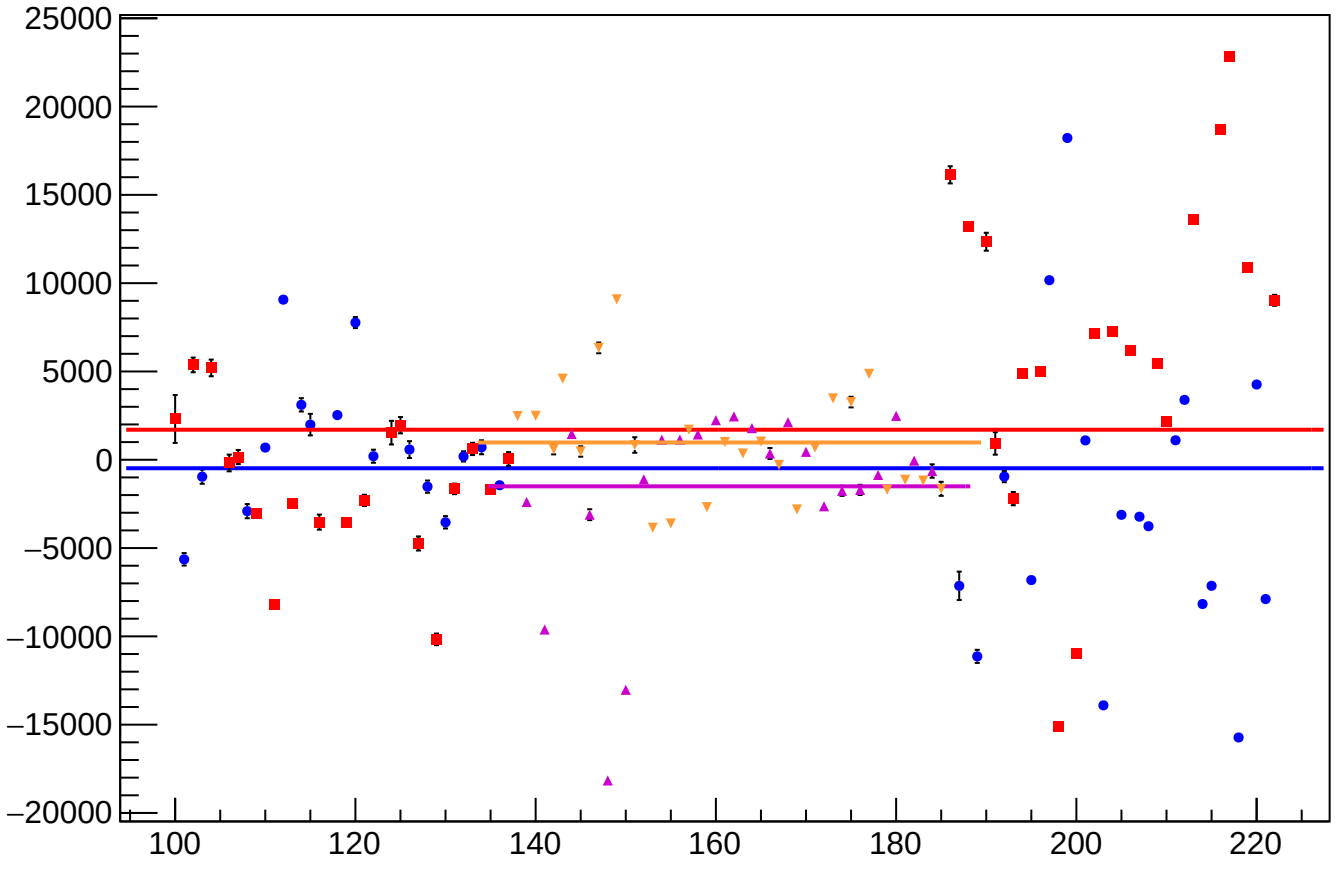
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 183.071+/-0.020 χ^2/NDF: 2645849.1/71

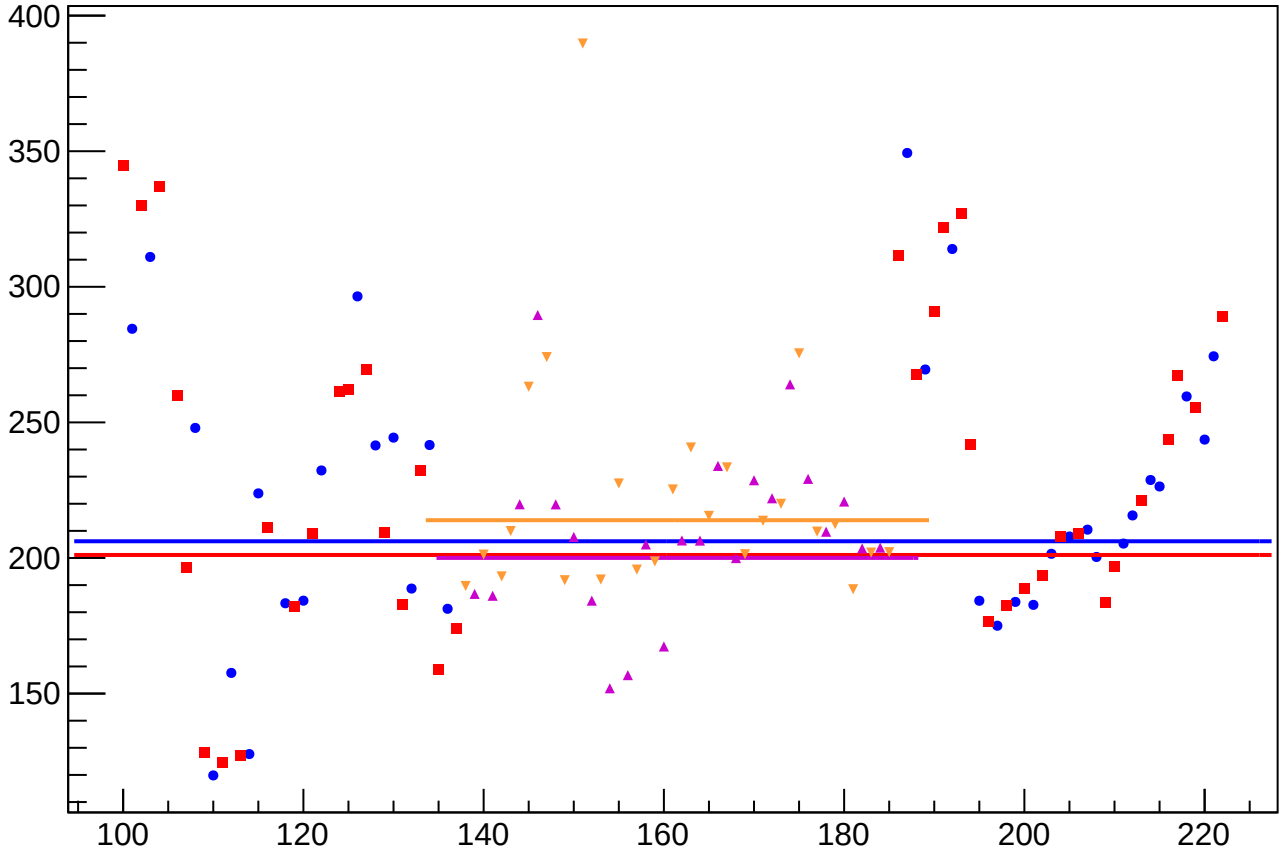
In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 187.934+/-0.021 χ^2/NDF:2446828.1/62

All: 186.258+/-0.015 χ^2/NDF: 4352234.5/119


asym_bpm0i05WS_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -479.761+/-45.138 χ²/NDF: 28035.3/33
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: 1701.085+/-44.263 χ²/NDF: 37125.6/37
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: 632.000+/-31.603 χ²/NDF: 66350.9/71
In: -960.406+/-32.899 χ²/NDF:39757.8/56
Out: 1380.764+/-33.027 χ²/NDF:41566.6/62
All: 205.630+/-23.308 χ²/NDF: 83846.6/119

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 201.113+/-0.031 χ^2/NDF: 2716044.0/37

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

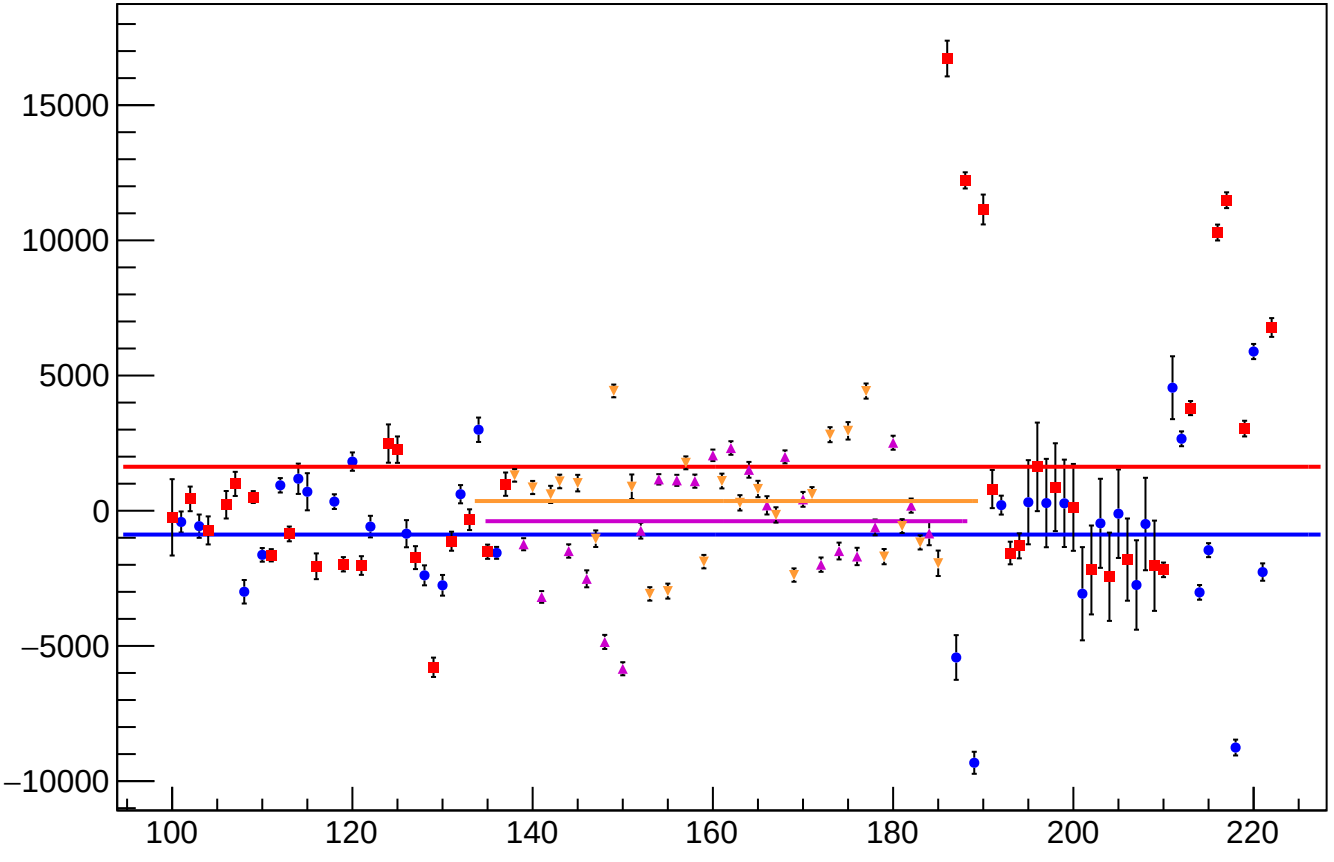
Right: 203.590+/-0.022 χ^2/NDF: 4502032.3/71

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 206.794+/-0.023 χ^2/NDF:3524033.5/62

All: 205.036+/-0.016 χ^2/NDF: 6111391.2/119

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: 1626.313+/-62.462 χ^2/NDF: 6149.7/37

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

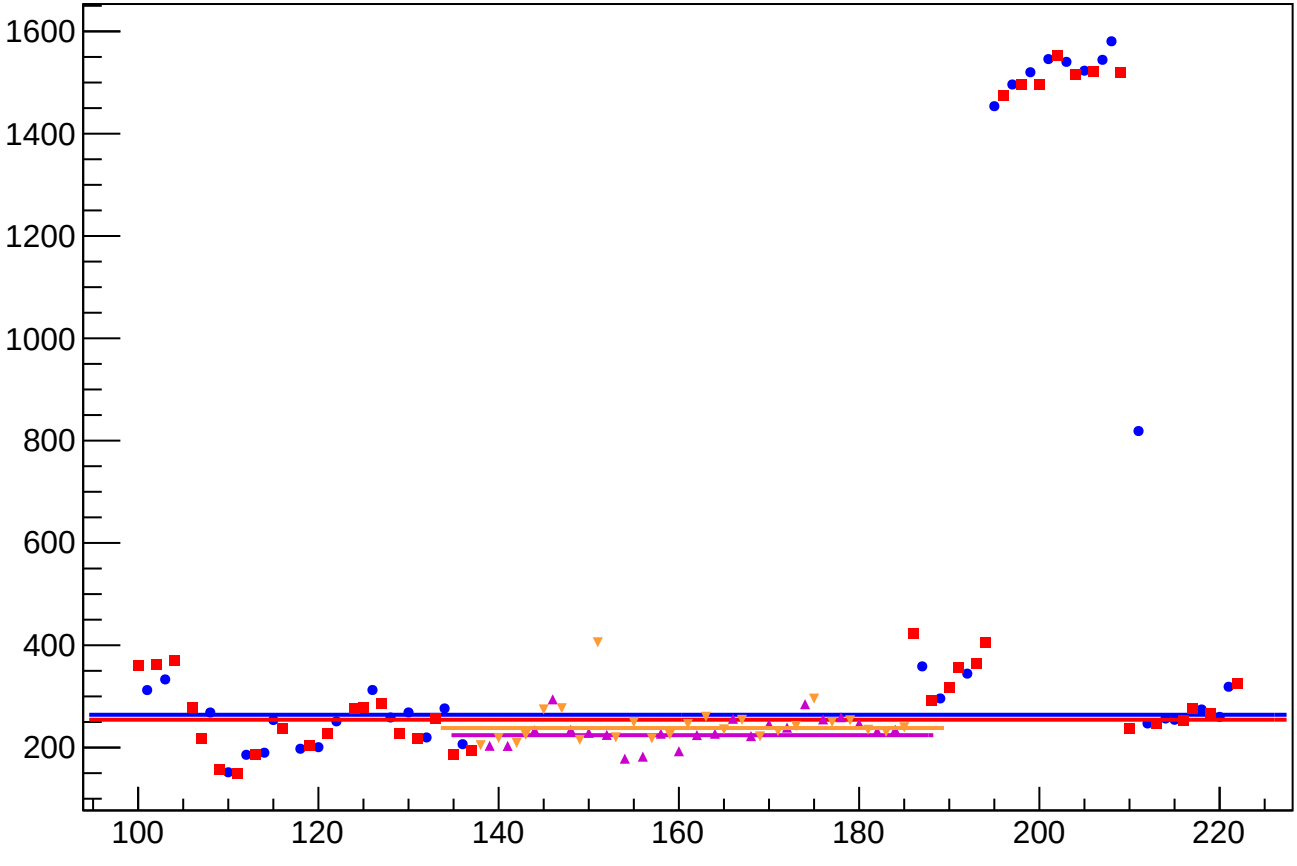
Right: 445.542+/-45.437 χ^2/NDF: 9289.0/71

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 912.195+/-41.275 χ^2/NDF:7800.6/62

All: 171.272+/-29.310 χ^2/NDF: 12668.8/119

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: 254.436+/-0.044 χ^2/NDF: 10634414.1/37

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

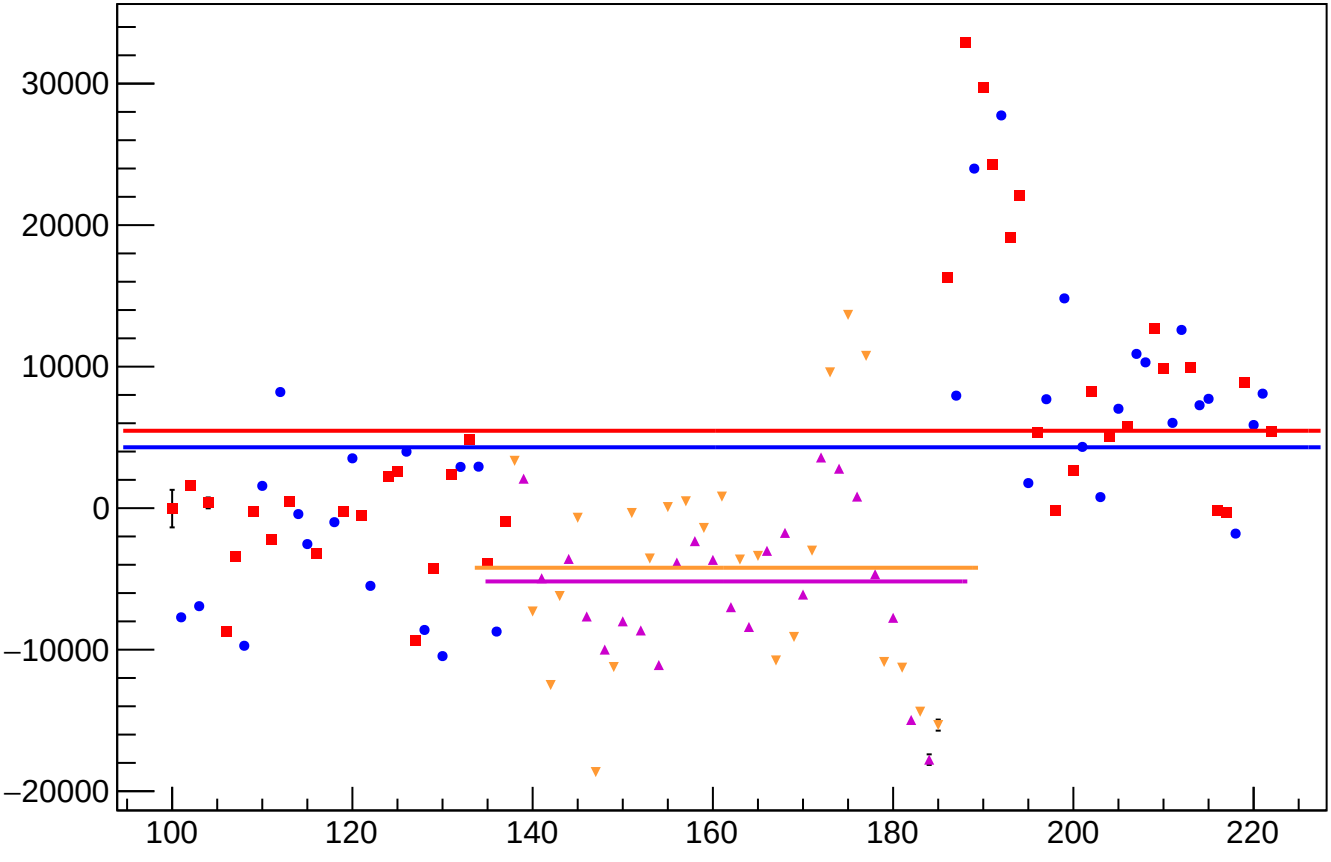
Right: 258.995+/-0.032 χ^2/NDF: 21782682.5/71

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 245.289+/-0.029 χ^2/NDF:11278479.9/62

All: 242.659+/-0.021 χ^2/NDF: 23423045.7/11

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: 5468.777+/-30.520 χ^2/NDF: 107507.7/37

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

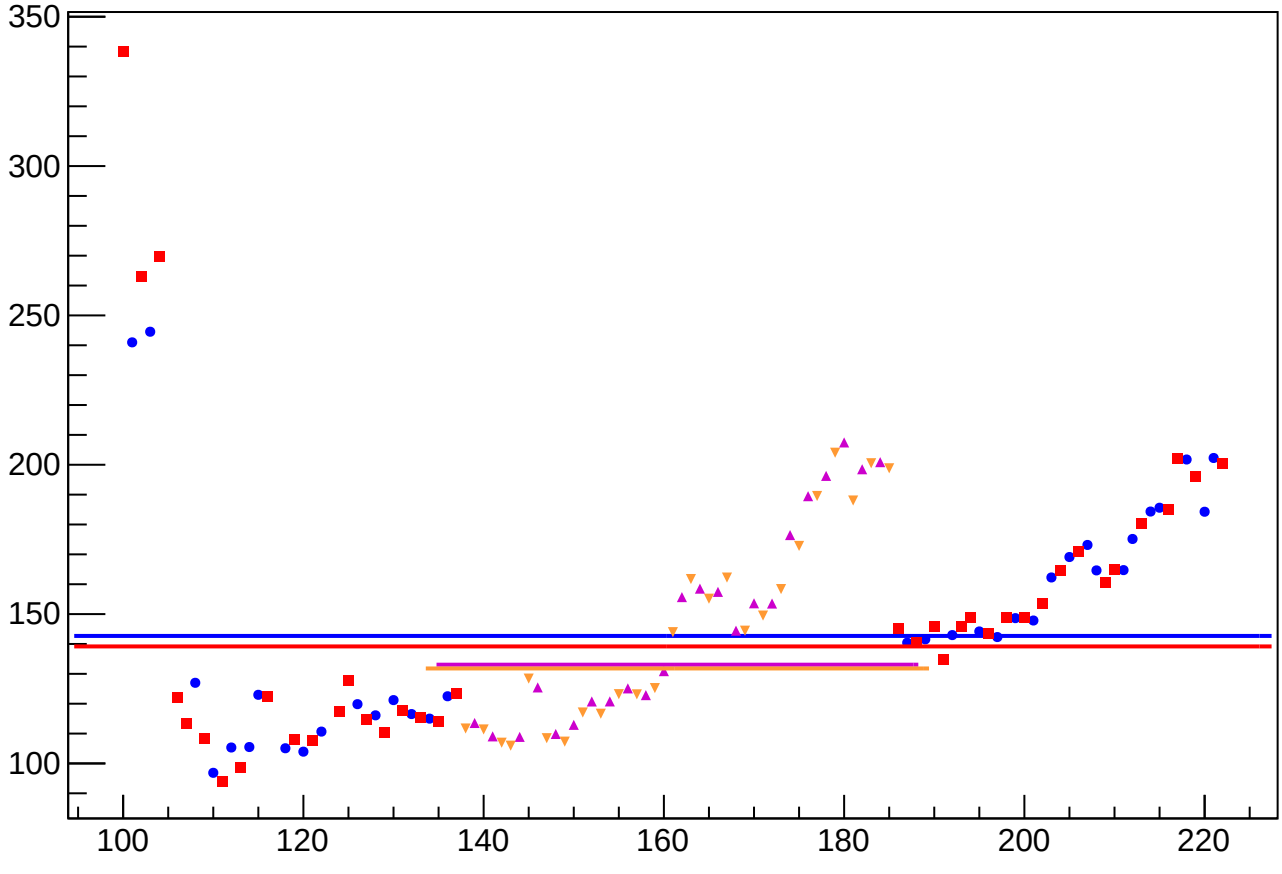
Right: 4904.264+/-21.924 χ^2/NDF: 191488.0/71

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 677.785+/-21.689 χ^2/NDF:214097.2/62

All: 171.854+/-15.596 χ^2/NDF: 361641.8/119

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 139.177+/-0.022 χ^2/NDF: 2303017.3/37

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

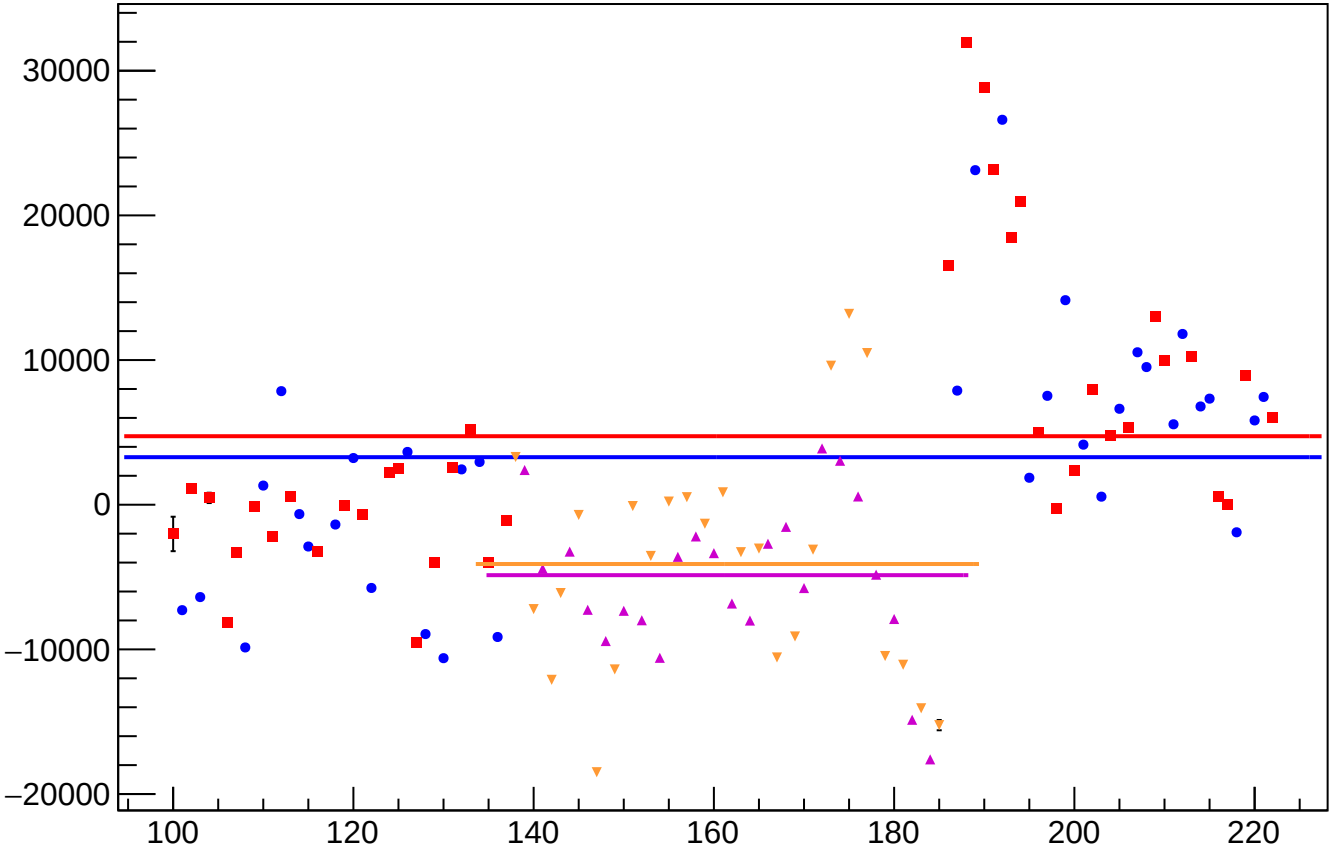
Right: 140.877+/-0.016 χ^2/NDF: 4428120.9/71

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 135.524+/-0.015 χ^2/NDF:3905232.9/62

All: 136.693+/-0.011 χ^2/NDF: 7539817.3/119

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: 4735.539+/-28.261 χ^2/NDF: 114439.7/37

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

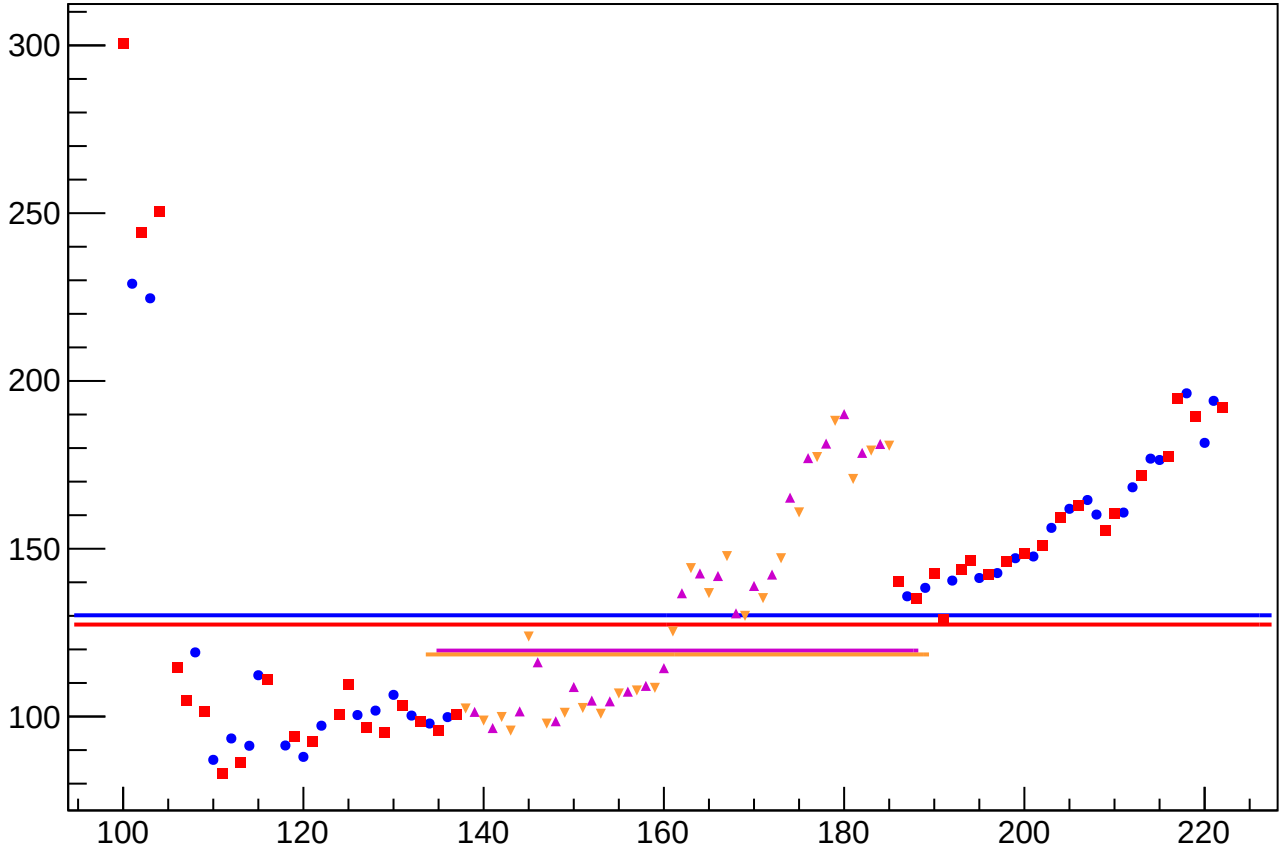
Right: 4032.203+/-20.274 χ^2/NDF: 207459.4/71

In: -833.085+/-20.474 χ^2/NDF:153326.1/56

Out: 241.182+/-19.808 χ^2/NDF:230425.2/62

All: -278.198+/-14.236 χ^2/NDF: 385173.4/11

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: 127.408+/-0.020 χ^2/NDF: 3141120.7/37

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

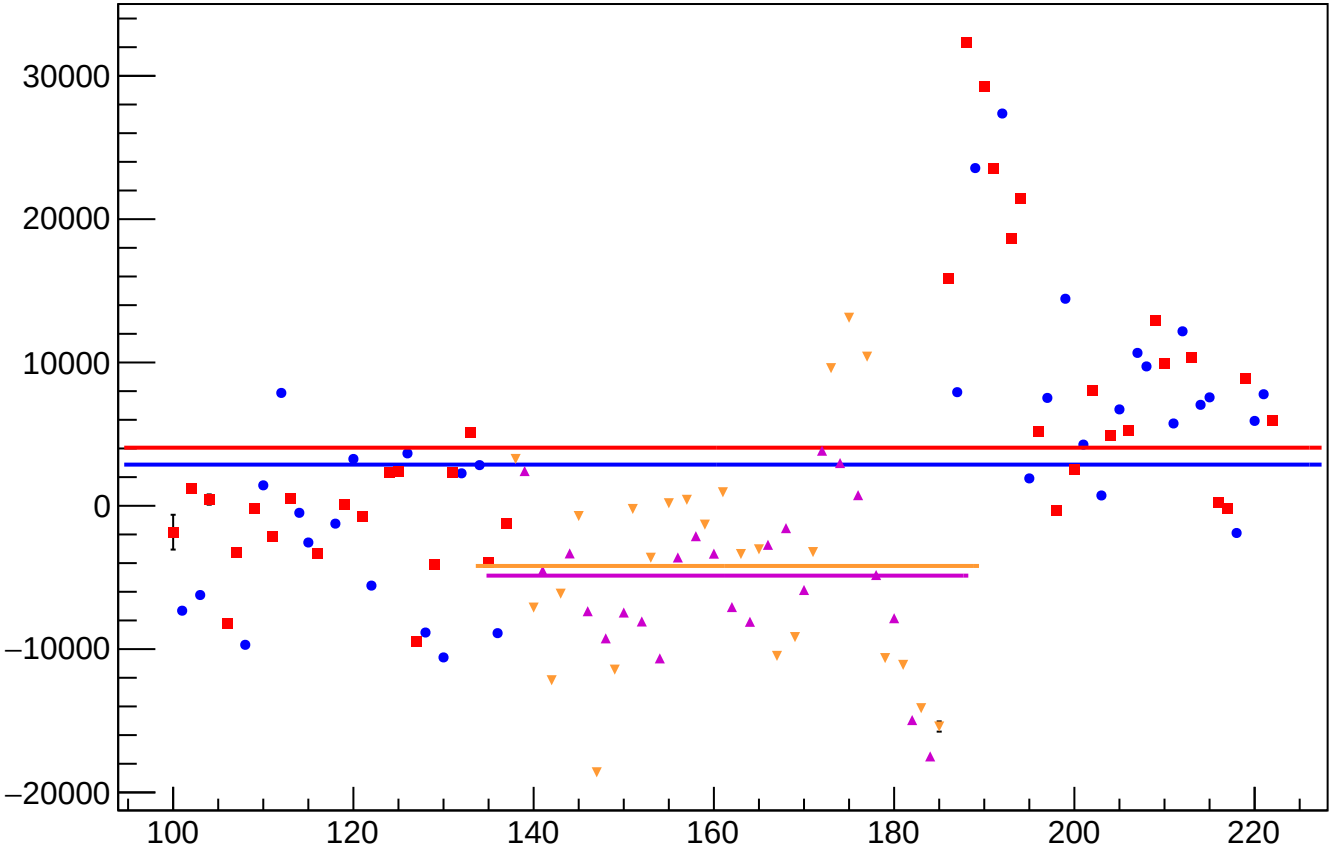
Right: 128.748+/-0.014 χ^2/NDF: 6173084.0/71

In: 124.854+/-0.014 χ^2/NDF:4667185.7/56

Out: 122.877+/-0.014 χ^2/NDF:4869321.4/62

All: 123.833+/-0.010 χ^2/NDF: 9546133.7/119

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: 4055.126+/-28.260 χ^2/NDF: 108044.1/37

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

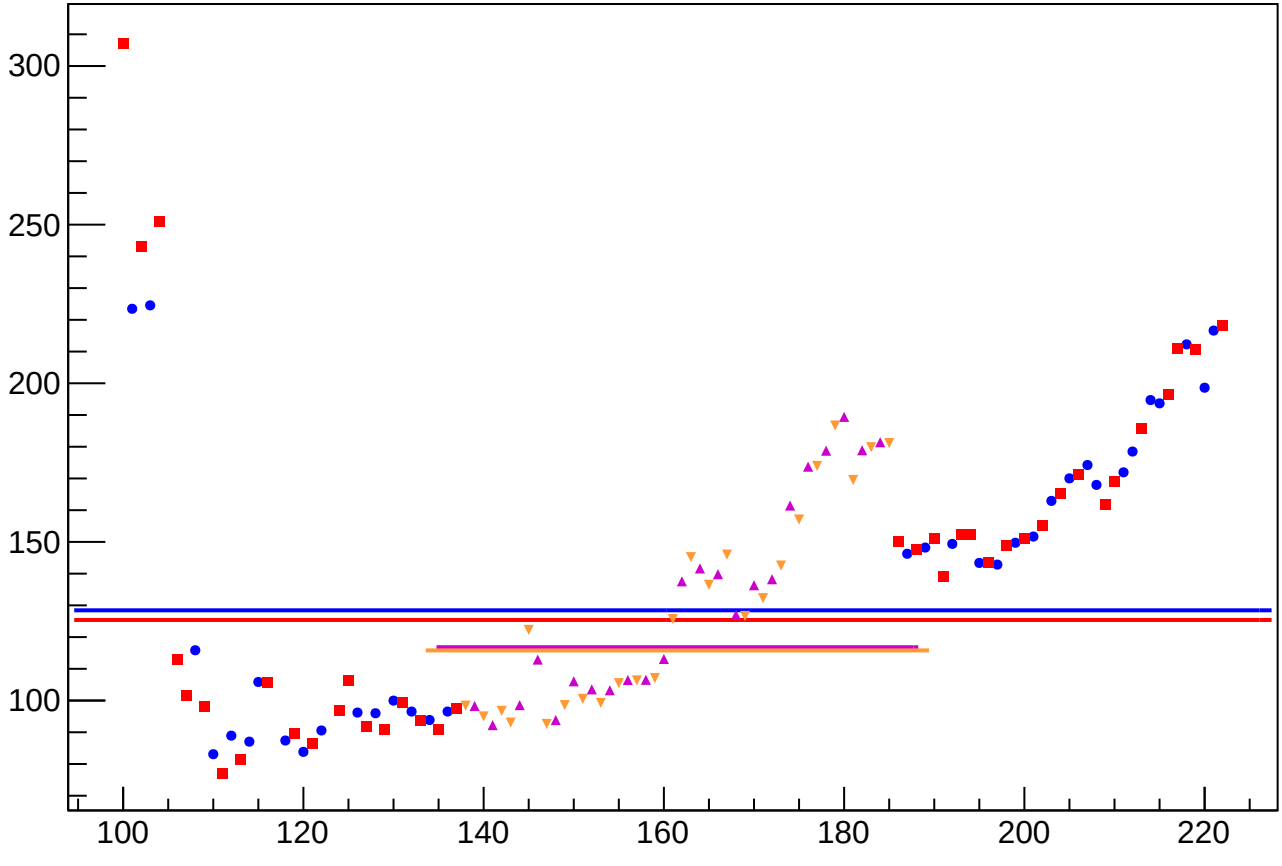
Right: 3483.002+/-20.294 χ^2/NDF: 199890.5/71

In: -1129.432+/-20.272 χ^2/NDF:150392.7/56

Out: -227.228+/-19.601 χ^2/NDF:222710.1/62

All: -663.162+/-14.091 χ^2/NDF: 374126.5/11

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: 125.397+/-0.020 χ^2/NDF: 4317340.7/37

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

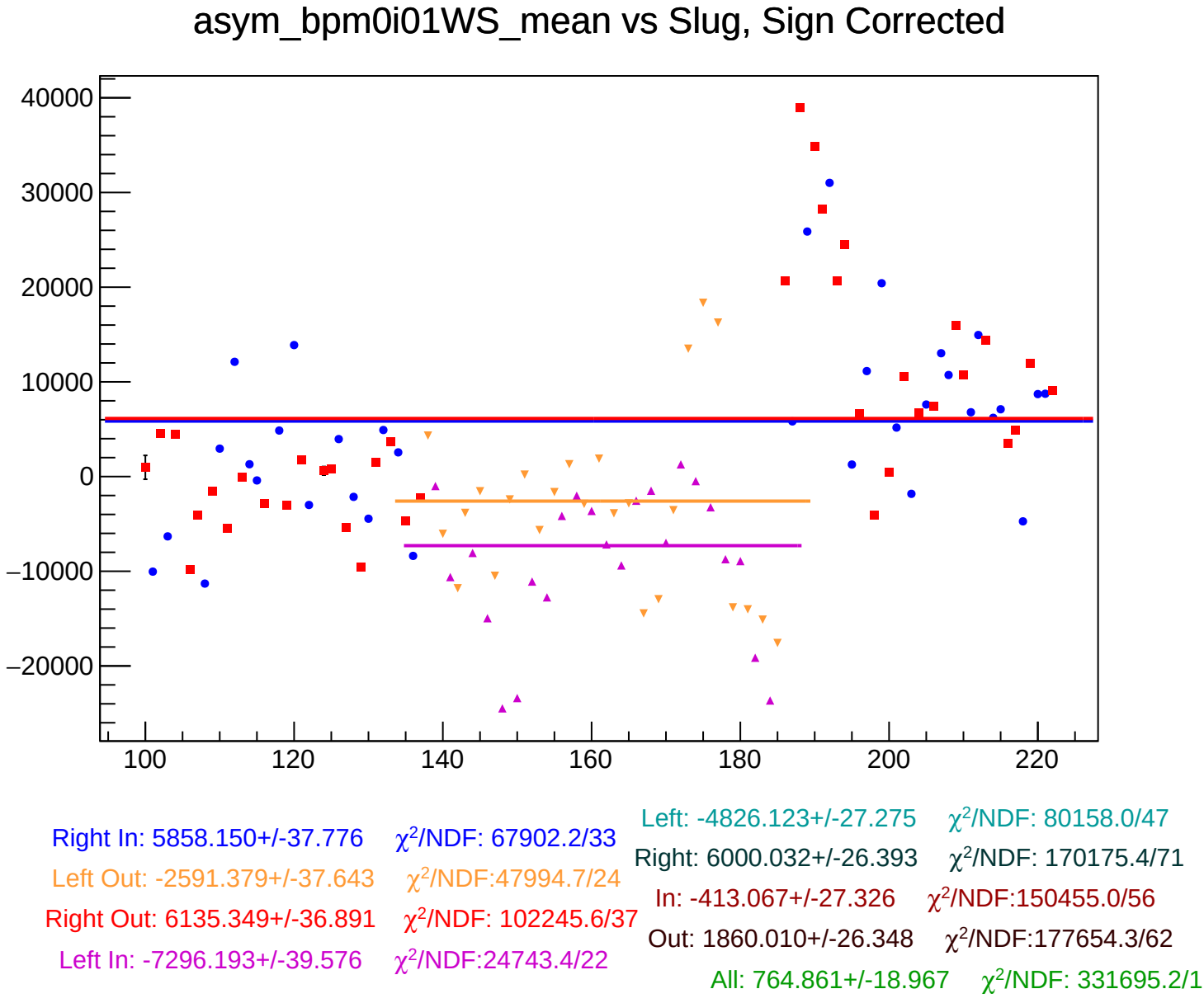
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 126.871+/-0.014 χ^2/NDF: 8458531.1/71

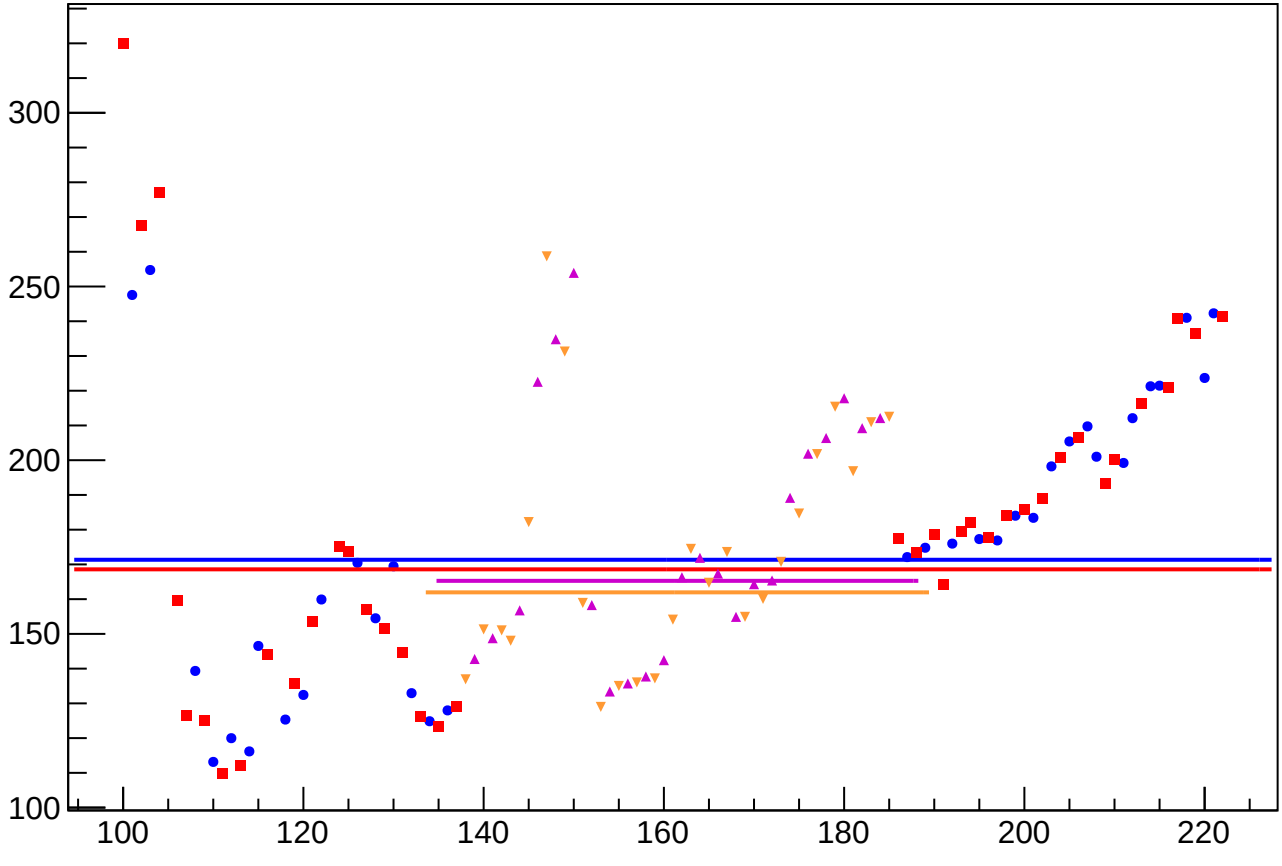
In: 122.430+/-0.014 χ^2/NDF:5912058.8/56

Out: 120.416+/-0.014 χ^2/NDF:6186099.5/62

All: 121.389+/-0.010 χ^2/NDF: 12108362.0/11


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: 6135.349+/-36.891 χ²/NDF: 102245.6/37
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 6000.032+/-26.393 χ²/NDF: 170175.4/71
In: -413.067+/-27.326 χ²/NDF:150455.0/56
Out: 1860.010+/-26.348 χ²/NDF:177654.3/62
All: 764.861+/-18.967 χ²/NDF: 331695.2/119

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: 168.582+/-0.026 χ^2/NDF: 2283555.0/37

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

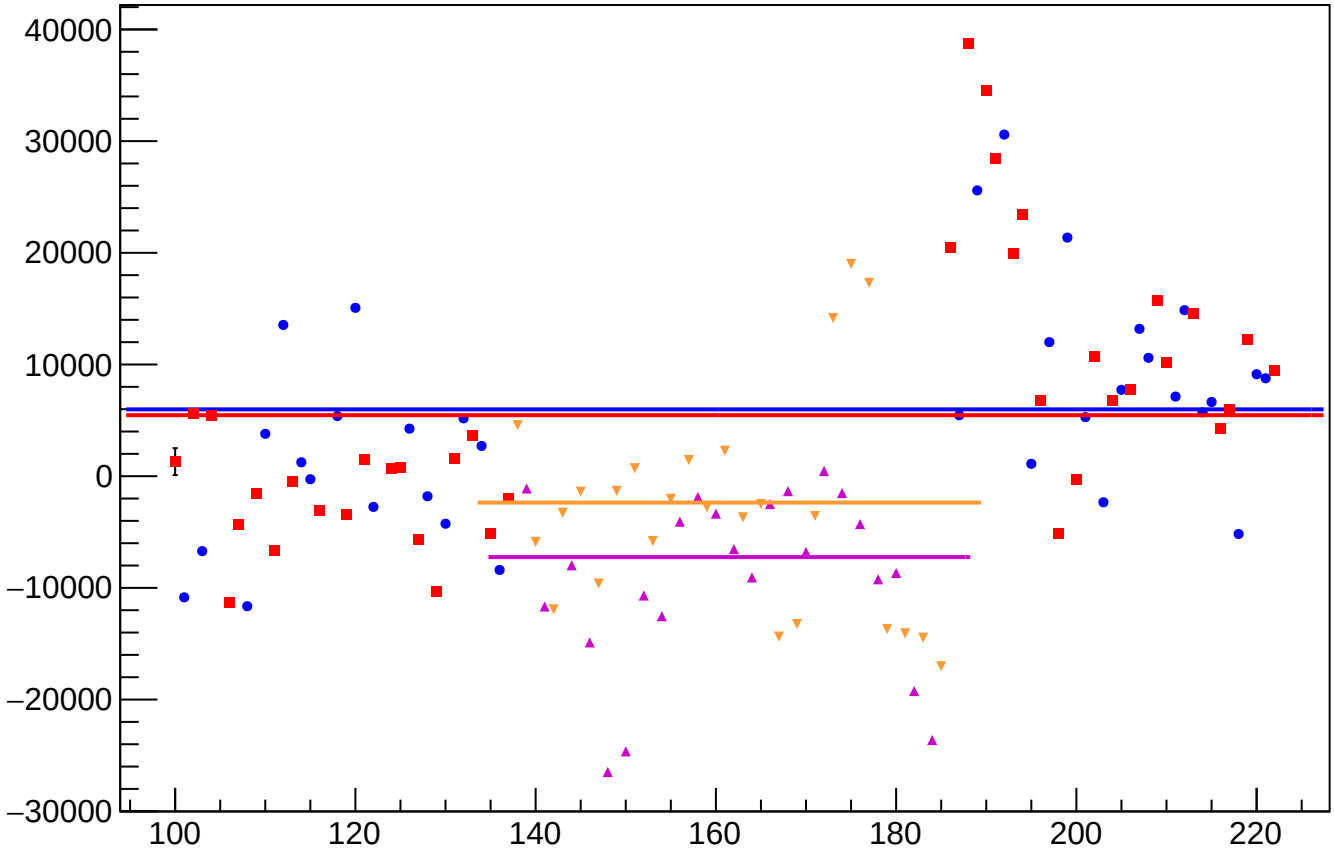
Right: 169.929+/-0.019 χ^2/NDF: 4477327.9/71

In: 168.448+/-0.019 χ^2/NDF:3392007.7/56

Out: 165.336+/-0.019 χ^2/NDF:3459958.3/62

All: 166.835+/-0.013 χ^2/NDF: 6865407.1/119

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: 5461.929+/-31.362 χ^2/NDF: 142767.4/37

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

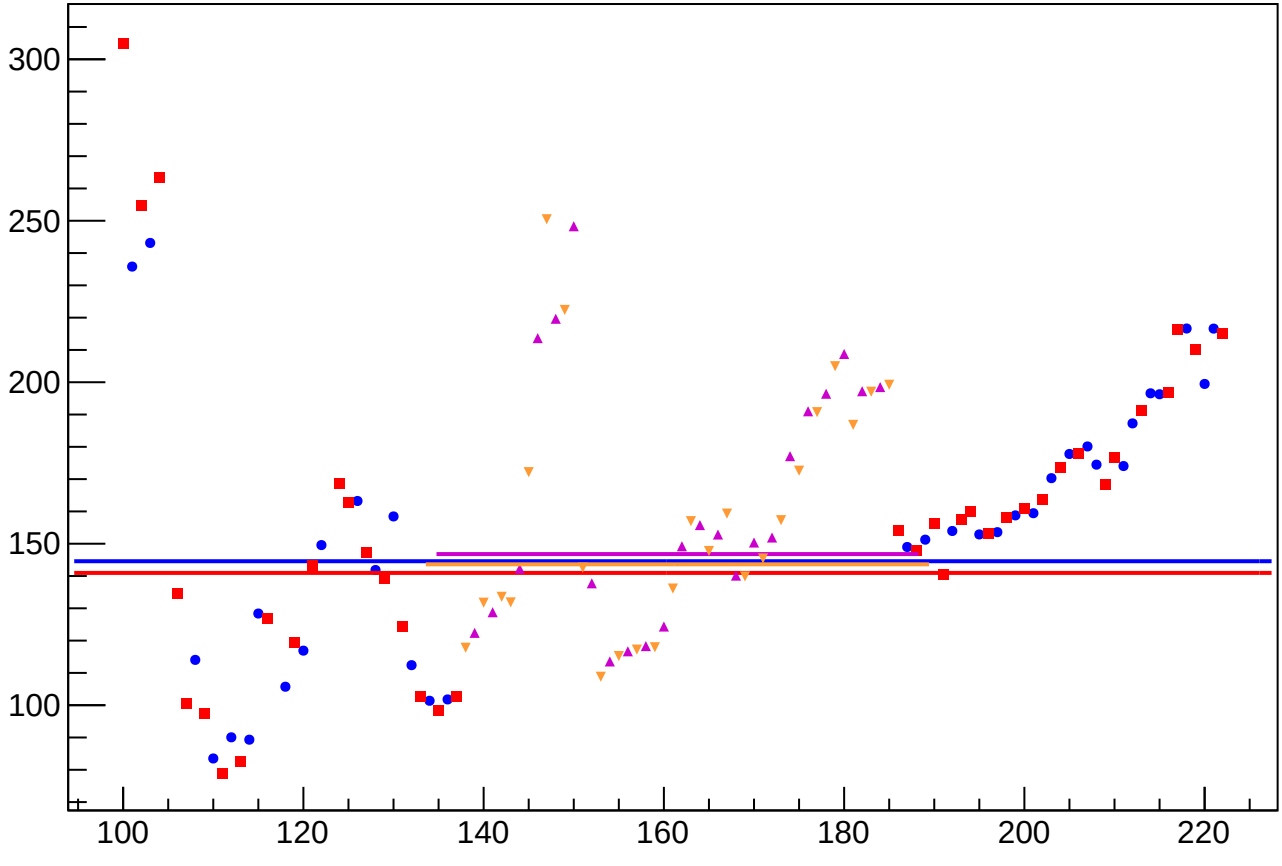
Right: 5714.667+/-22.507 χ^2/NDF: 237284.9/71

In: -10.654+/-23.901 χ^2/NDF:200731.4/56

Out: 1829.045+/-22.952 χ^2/NDF:230227.3/62

All: 946.450+/-16.555 χ^2/NDF: 434040.9/119

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: 140.960+/-0.022 χ^2/NDF: 3427918.4/37

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

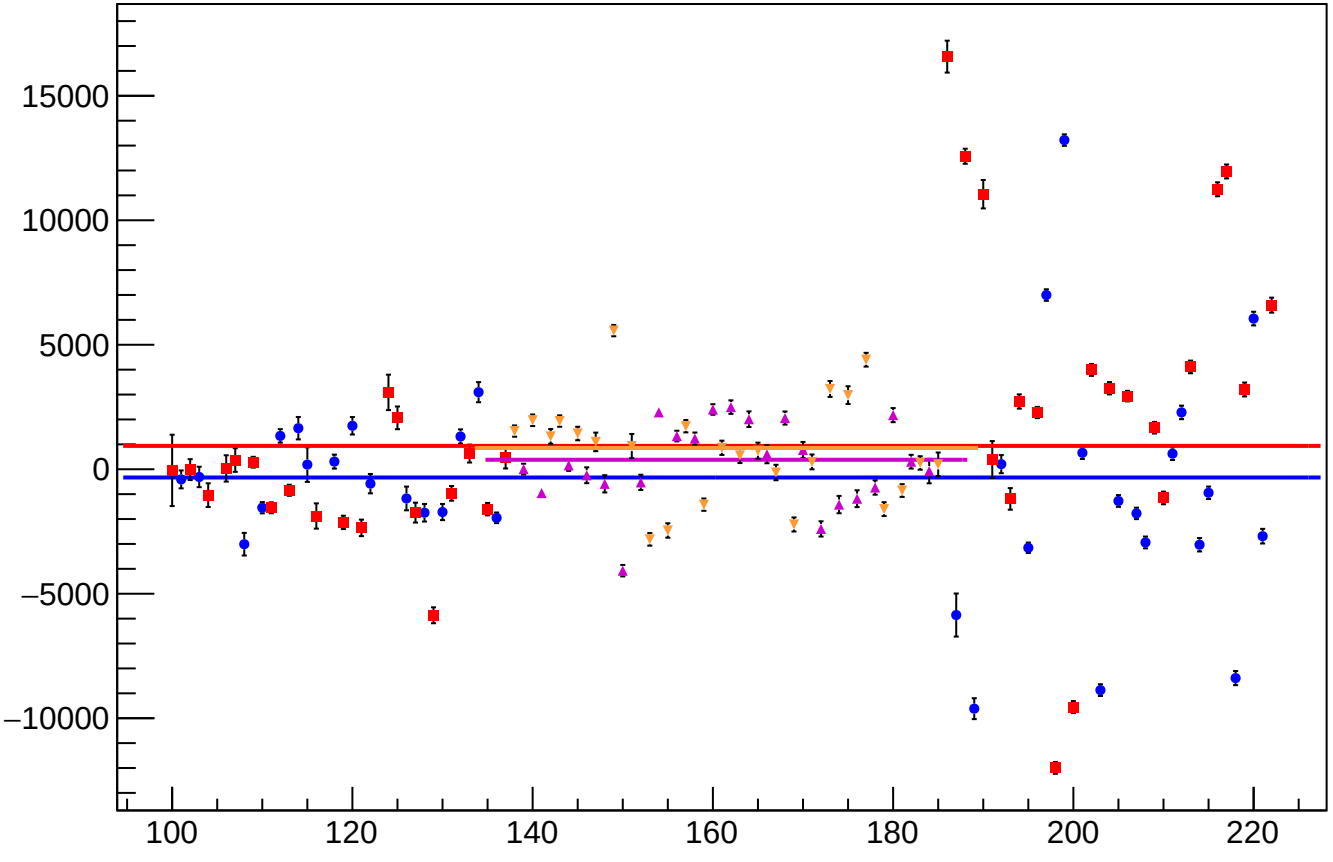
Right: 142.715+/-0.016 χ^2/NDF: 6575872.1/71

In: 145.583+/-0.017 χ^2/NDF:4833806.5/56

Out: 142.196+/-0.016 χ^2/NDF:5097436.6/62

All: 143.821+/-0.012 χ^2/NDF: 9952131.2/119

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: 938.166+/-48.997 χ^2/NDF: 12433.1/37

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

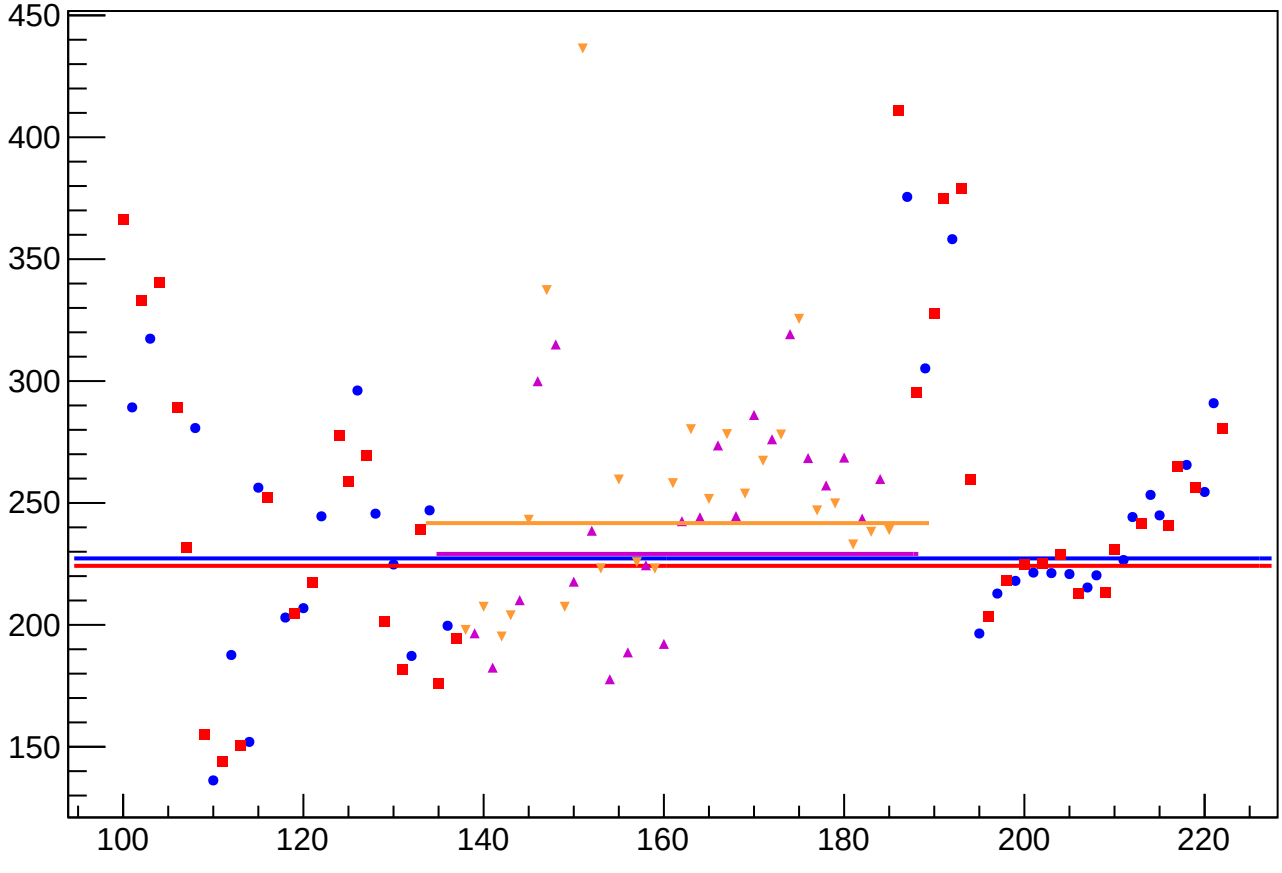
Right: 310.419+/-34.836 χ^2/NDF: 21392.7/71

In: -13.170+/-36.849 χ^2/NDF:9702.4/56

Out: 901.810+/-36.942 χ^2/NDF:13878.2/62

All: 443.163+/-26.089 χ^2/NDF: 23888.1/119

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: 224.216+/-0.035 χ^2/NDF: 2094231.9/37

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

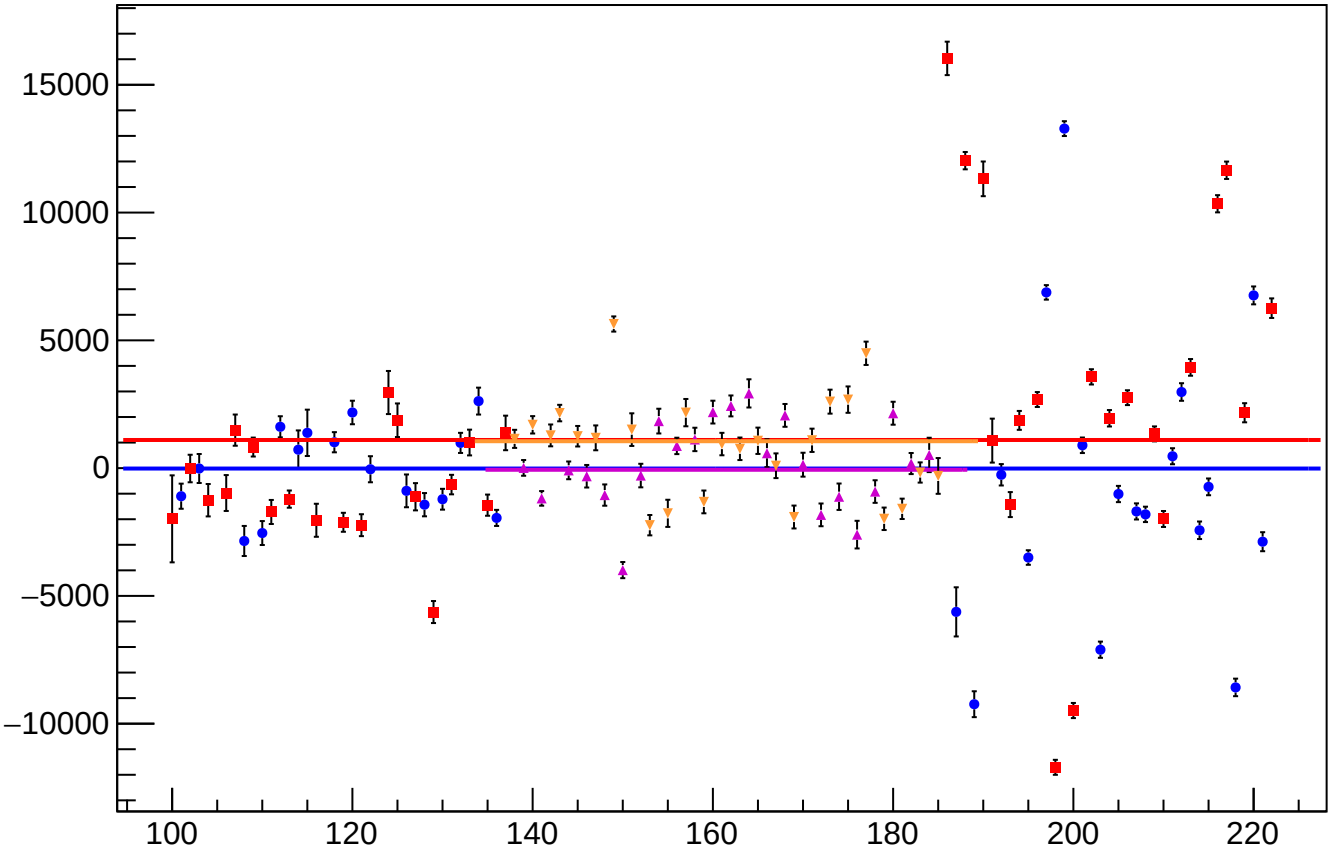
Right: 225.721+/-0.025 χ^2/NDF: 3494701.9/71

In: 228.083+/-0.026 χ^2/NDF:2466850.2/56

Out: 231.781+/-0.026 χ^2/NDF:3191094.3/62

All: 229.927+/-0.018 χ^2/NDF: 5667986.6/119

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: 1100.924+/-65.316 χ^2/NDF: 7821.8/37

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

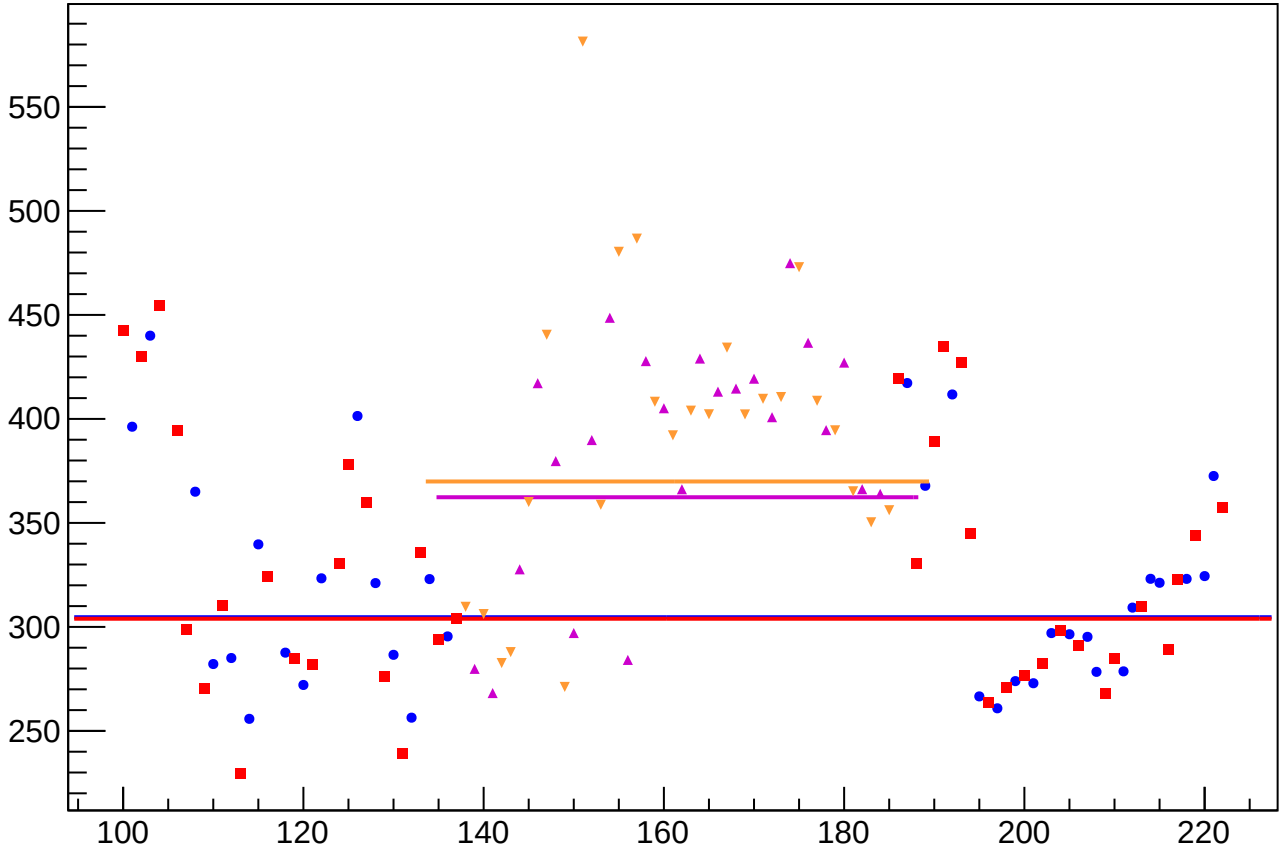
Right: 546.038+/-46.341 χ^2/NDF: 13134.0/71

In: -34.021+/-52.384 χ^2/NDF:5561.6/56

Out: 1083.495+/-51.992 χ^2/NDF:8436.6/62

All: 528.939+/-36.902 χ^2/NDF: 14227.4/119

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: 303.935+/-0.046 χ^2/NDF: 1030473.5/37

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

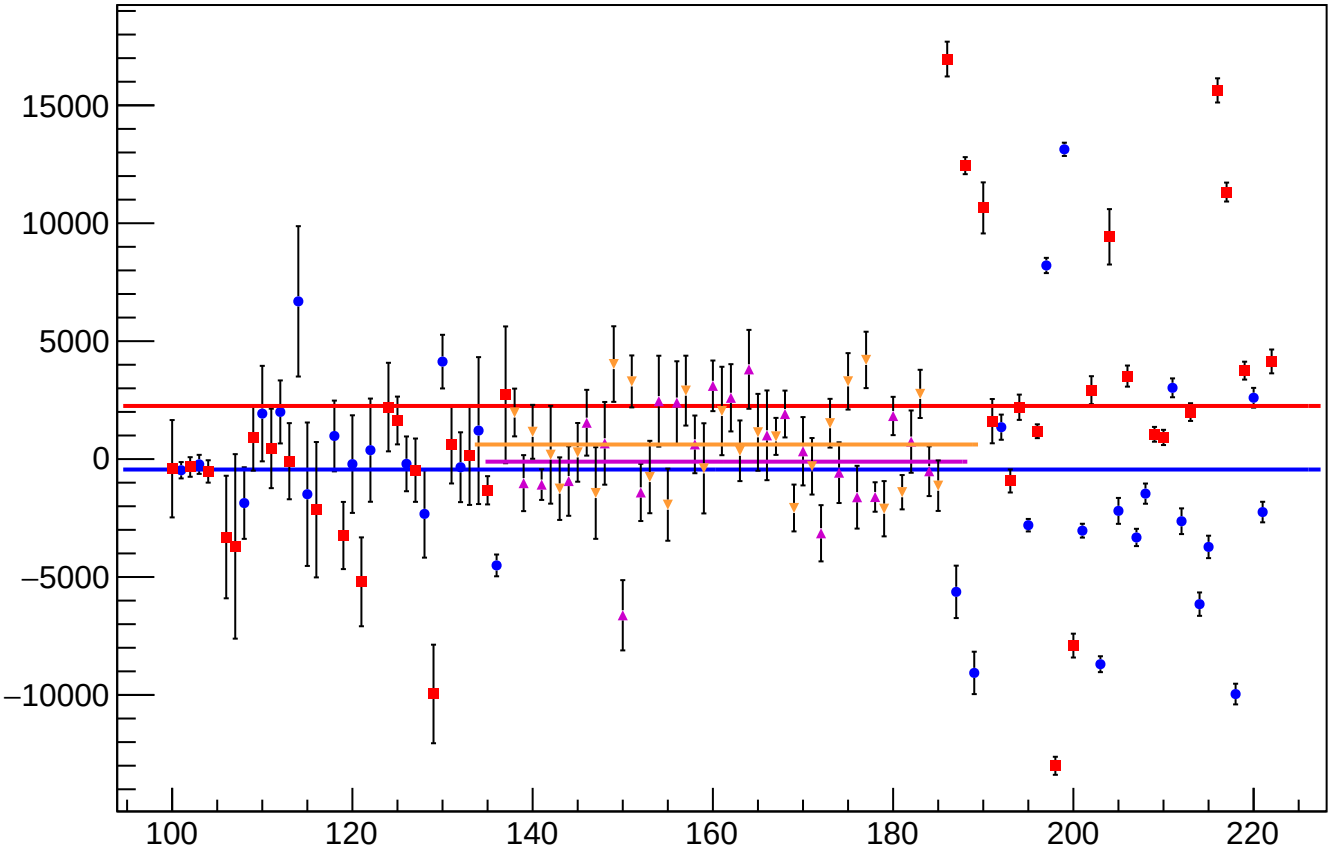
Right: 304.298+/-0.033 χ^2/NDF: 1798231.3/71

In: 325.740+/-0.037 χ^2/NDF:2383223.9/56

Out: 328.112+/-0.037 χ^2/NDF:3008685.4/62

All: 326.935+/-0.026 χ^2/NDF: 5393975.6/119

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: 2252.761+/-92.754 χ^2/NDF: 4801.3/37

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

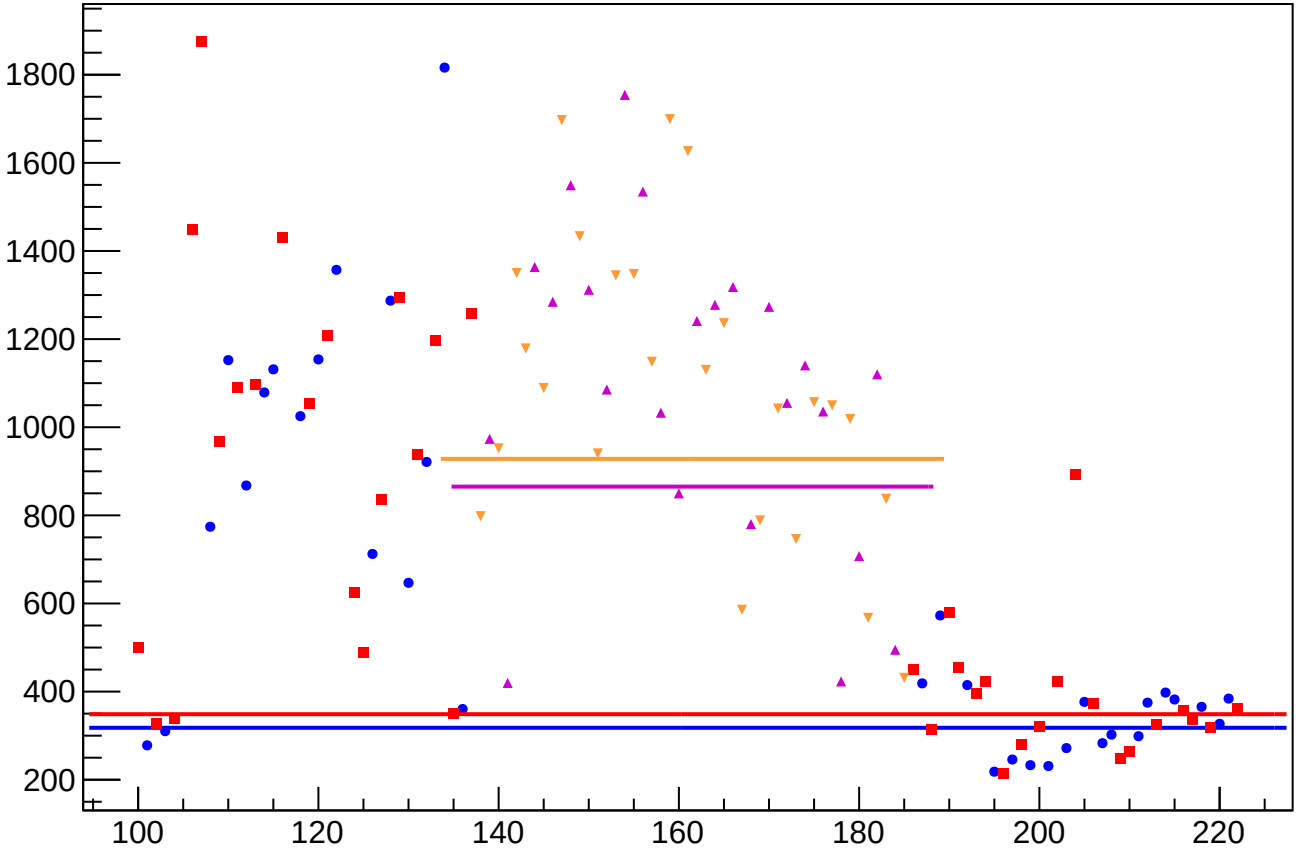
Right: 795.475+/-62.864 χ^2/NDF: 10187.4/71

In: -404.518+/-80.454 χ^2/NDF:5003.0/56

Out: 2037.513+/-86.430 χ^2/NDF:4907.9/62

All: 729.169+/-58.889 χ^2/NDF: 10338.7/119

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: 348.773+/-0.066 χ^2/NDF: 6178477.7/37

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

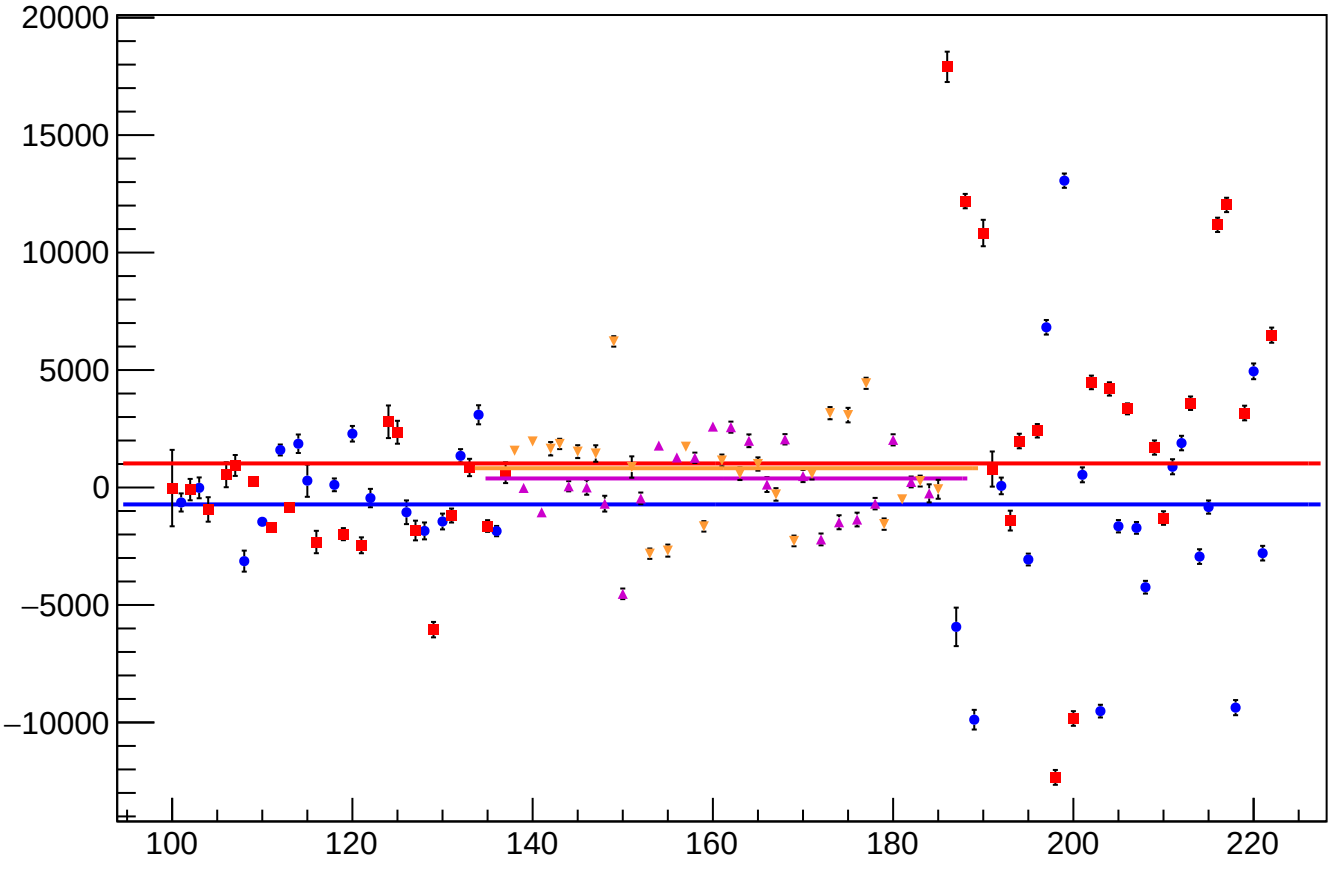
Right: 332.058+/-0.044 χ^2/NDF: 11671104.6/71

In: 380.498+/-0.057 χ^2/NDF:19546826.2/56

Out: 425.096+/-0.061 χ^2/NDF:19754542.8/62

All: 401.202+/-0.042 χ^2/NDF: 39586661.0/11

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: 1025.002+/-51.797 χ^2/NDF: 9953.5/37

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

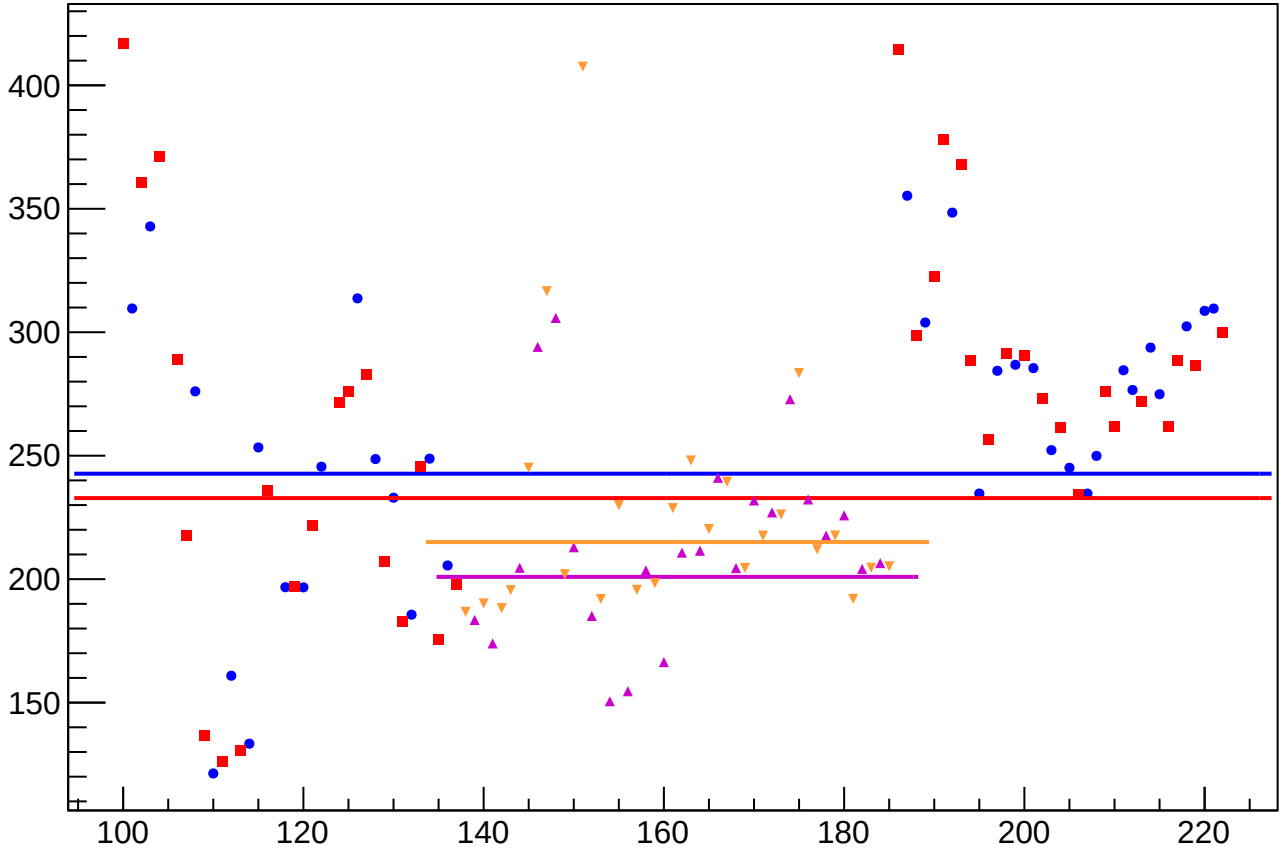
Right: 182.516+/-37.247 χ^2/NDF: 16675.5/71

In: -111.764+/-35.944 χ^2/NDF:7661.1/56

Out: 919.301+/-35.972 χ^2/NDF:11952.4/62

All: 403.363+/-25.426 χ^2/NDF: 20024.5/119

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: 232.834+/-0.037 χ^2/NDF: 3484498.7/37

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

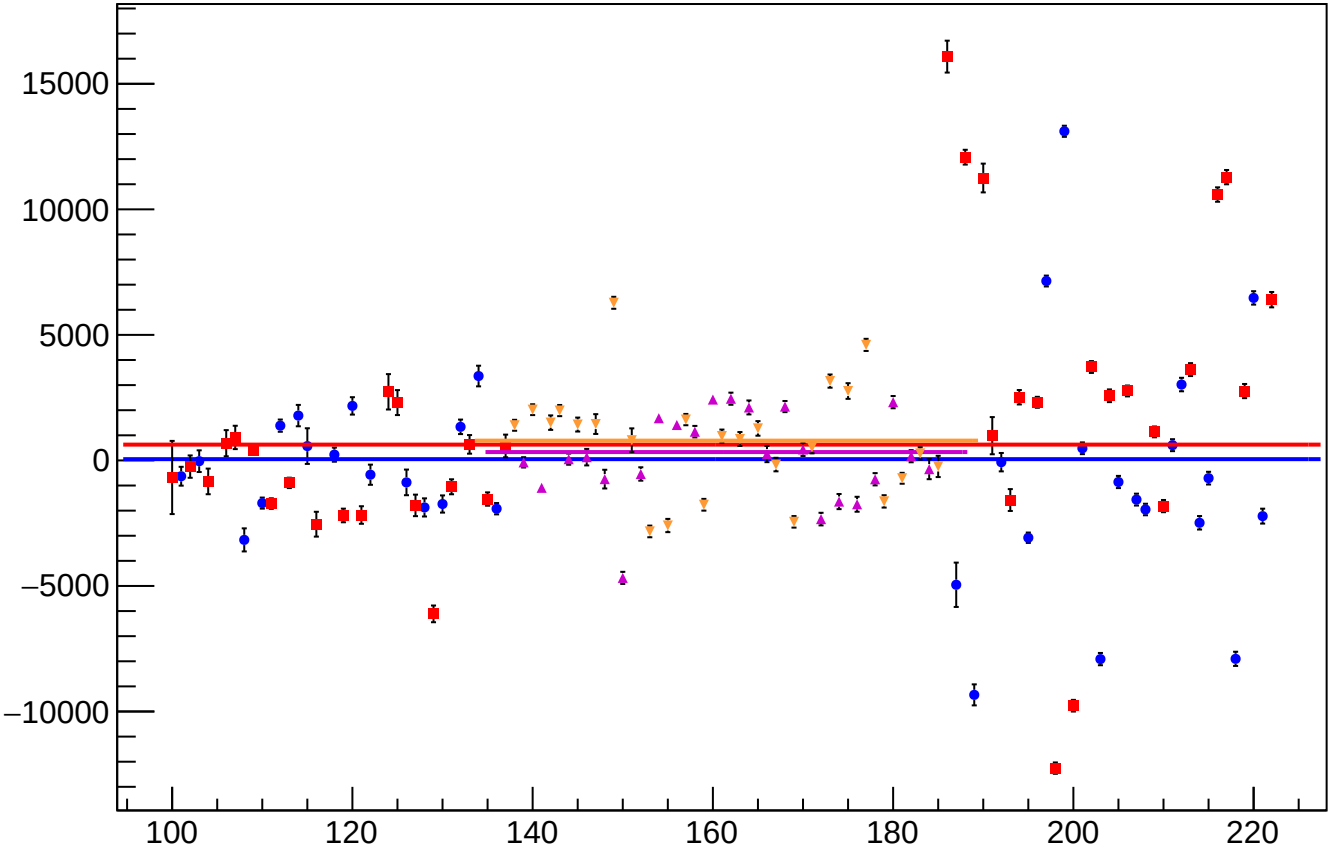
Right: 237.603+/-0.026 χ^2/NDF: 5843705.9/71

In: 219.712+/-0.025 χ^2/NDF:4099076.2/56

Out: 223.615+/-0.025 χ^2/NDF:4504659.4/62

All: 221.662+/-0.018 χ^2/NDF: 8615517.7/119

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: 629.612+/-48.512 χ^2/NDF: 12382.0/37

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

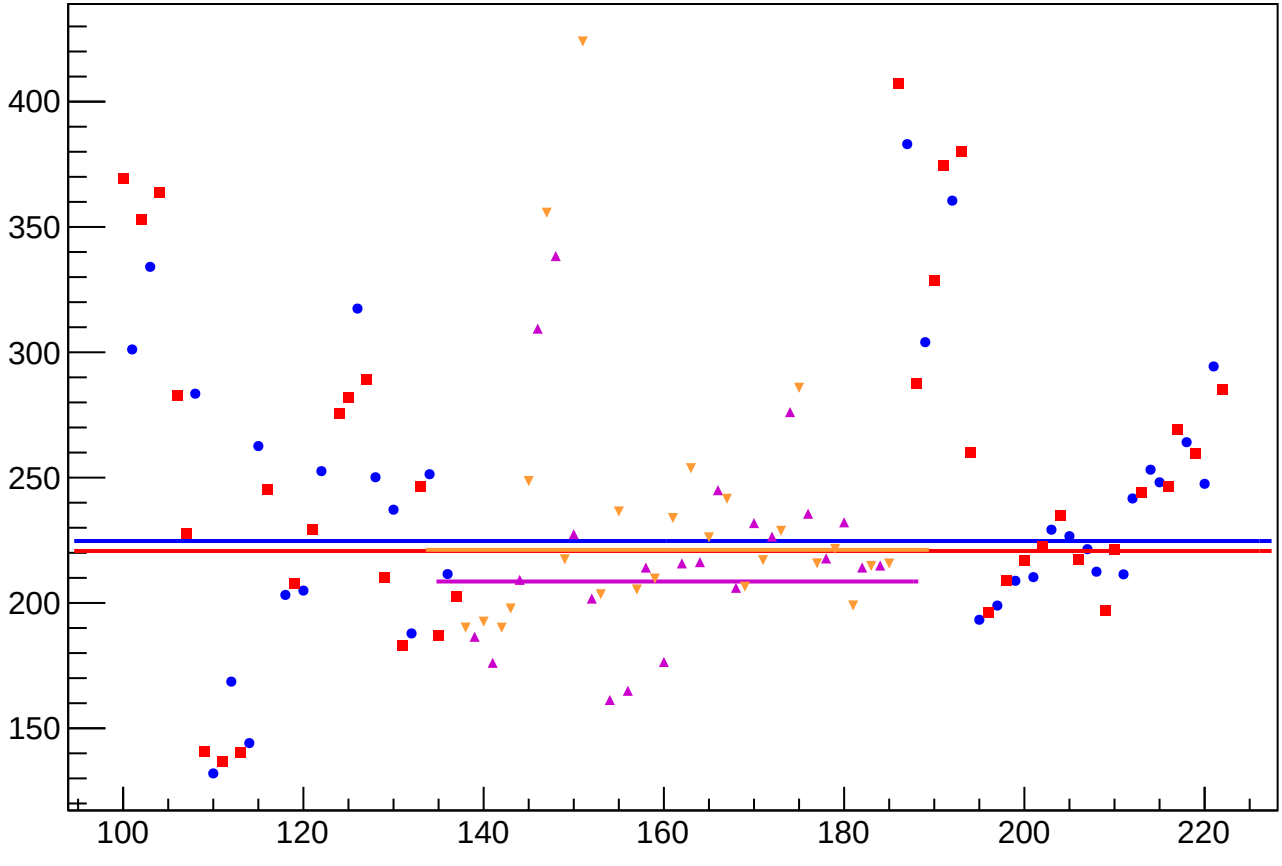
Right: 343.696+/-34.524 χ^2/NDF: 21040.8/71

In: 188.806+/-35.115 χ^2/NDF:9819.9/56

Out: 704.247+/-35.288 χ^2/NDF:14277.2/62

All: 445.260+/-24.891 χ^2/NDF: 24204.3/119

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: 220.737+/-0.034 χ^2/NDF: 2529517.3/37

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

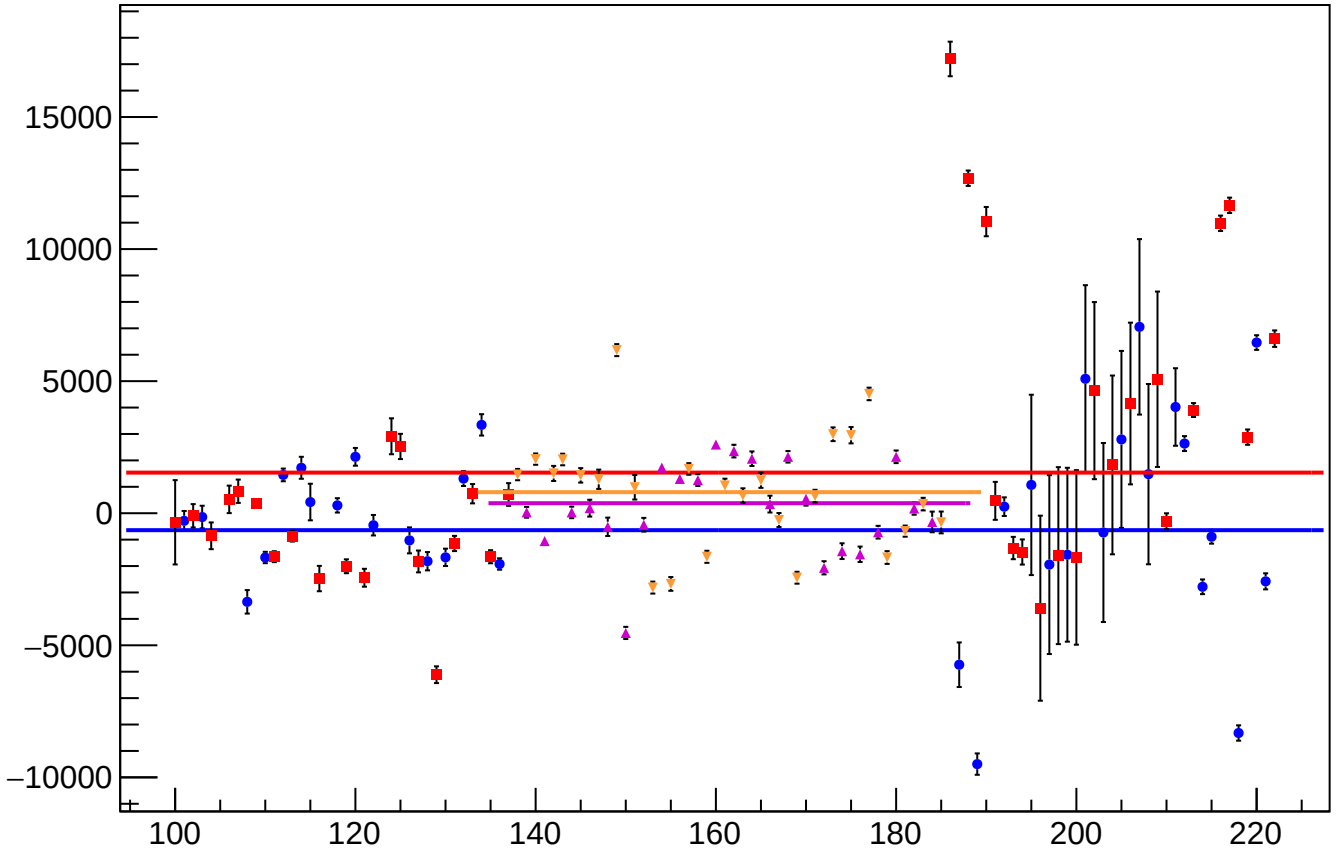
Right: 222.696+/-0.024 χ^2/NDF: 4200957.6/71

In: 216.803+/-0.025 χ^2/NDF:2806195.3/56

Out: 220.948+/-0.025 χ^2/NDF:3469117.9/62

All: 218.865+/-0.018 χ^2/NDF: 6289178.9/119

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: 1537.878+/-59.049 χ^2/NDF: 6848.5/37

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

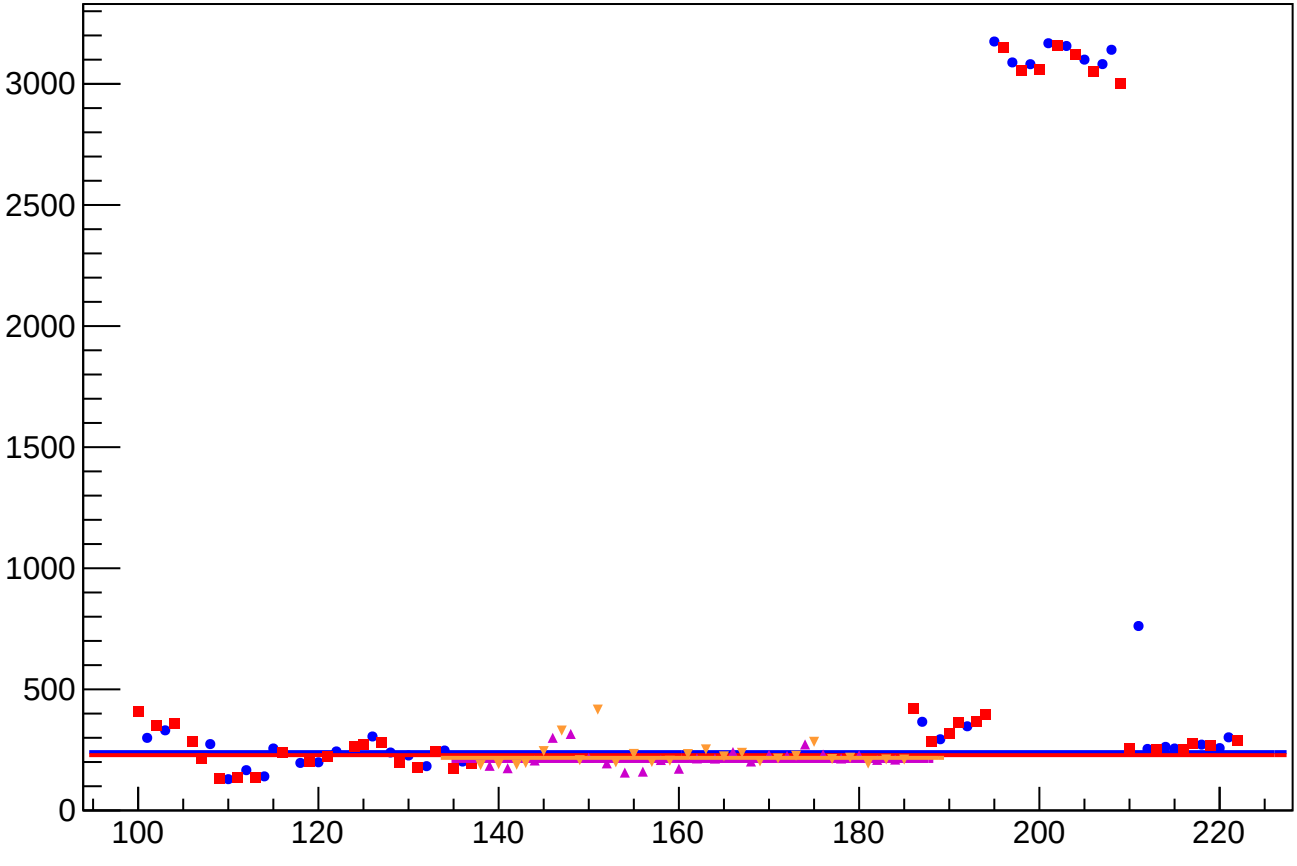
Right: 527.686+/-43.253 χ^2/NDF: 10062.9/71

In: -3.154+/-38.892 χ^2/NDF:3945.7/56

Out: 1110.214+/-38.377 χ^2/NDF:8900.1/62

All: 560.954+/-27.317 χ^2/NDF: 13261.0/119

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: 228.371+/-0.042 χ^2/NDF: 13363419.2/37

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

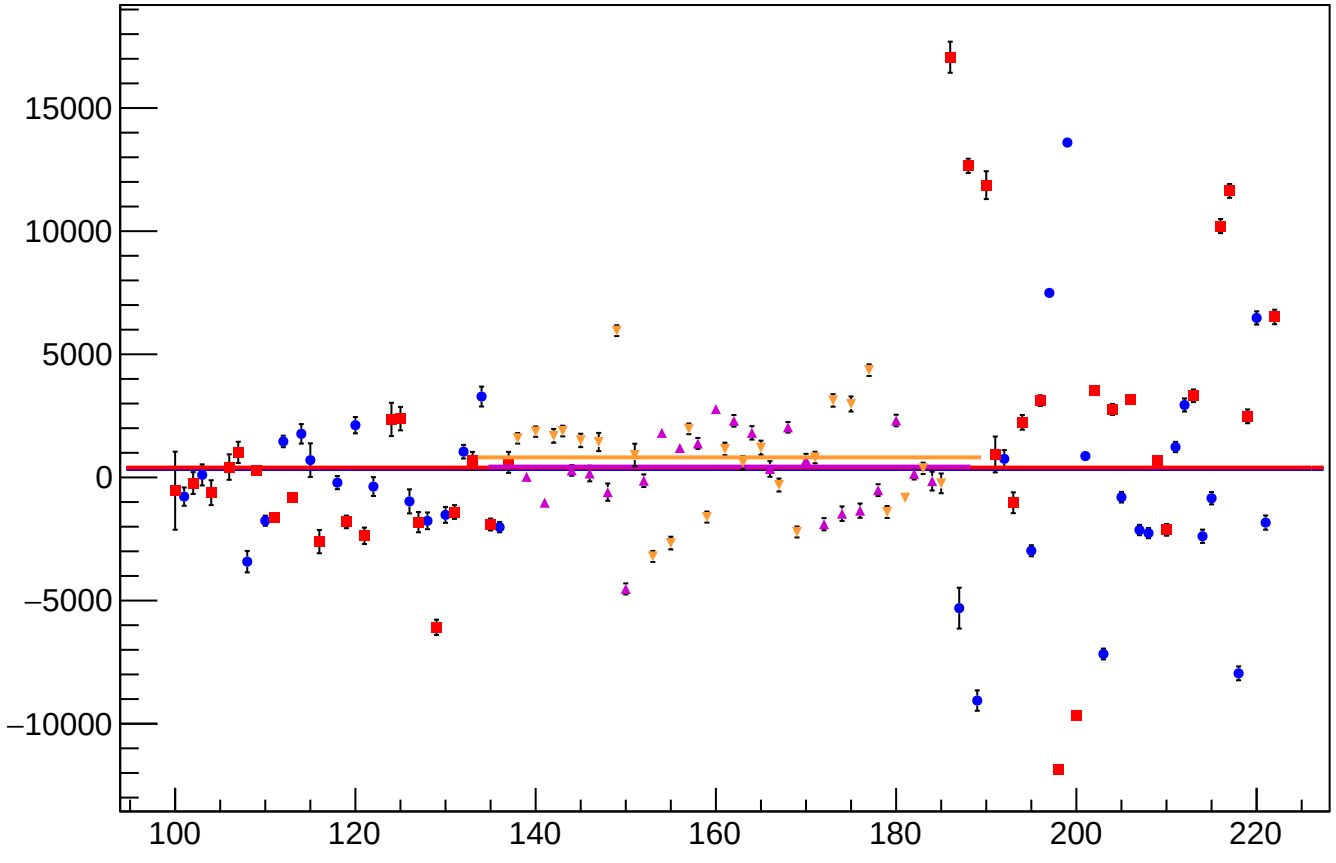
Right: 234.145+/-0.031 χ^2/NDF: 26909130.2/71

In: 217.993+/-0.028 χ^2/NDF:14932728.2/56

Out: 221.933+/-0.027 χ^2/NDF:14315033.0/62

All: 219.989+/-0.019 χ^2/NDF: 29258159.7/11

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: 400.256+/-45.535 χ^2/NDF: 14477.3/37

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

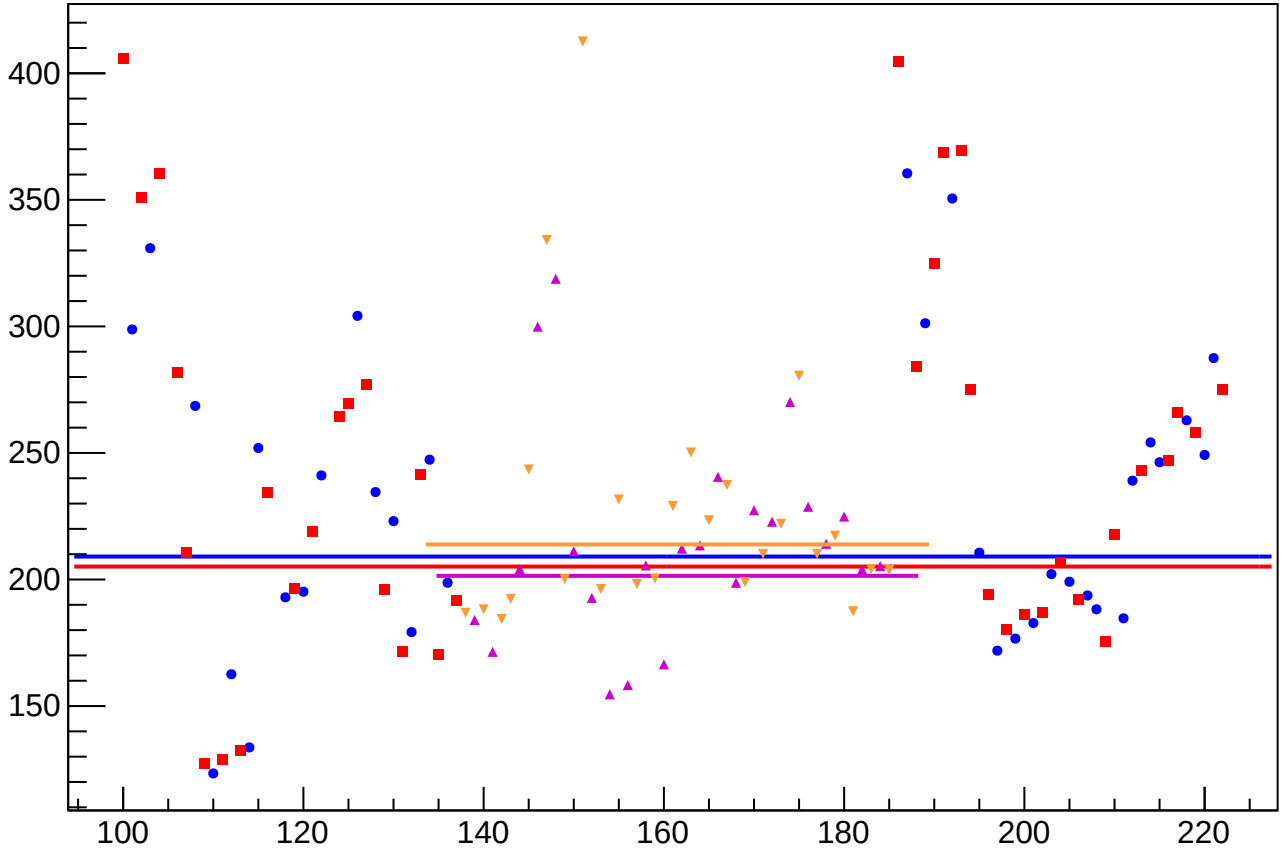
Right: 371.930+/-32.422 χ^2/NDF: 25286.7/71

In: 388.826+/-33.454 χ^2/NDF:12045.7/56

Out: 588.947+/-33.593 χ^2/NDF:16515.4/62

All: 488.473+/-23.704 χ^2/NDF: 28578.9/119

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: 205.111+/-0.032 χ^2/NDF: 3093737.9/37

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

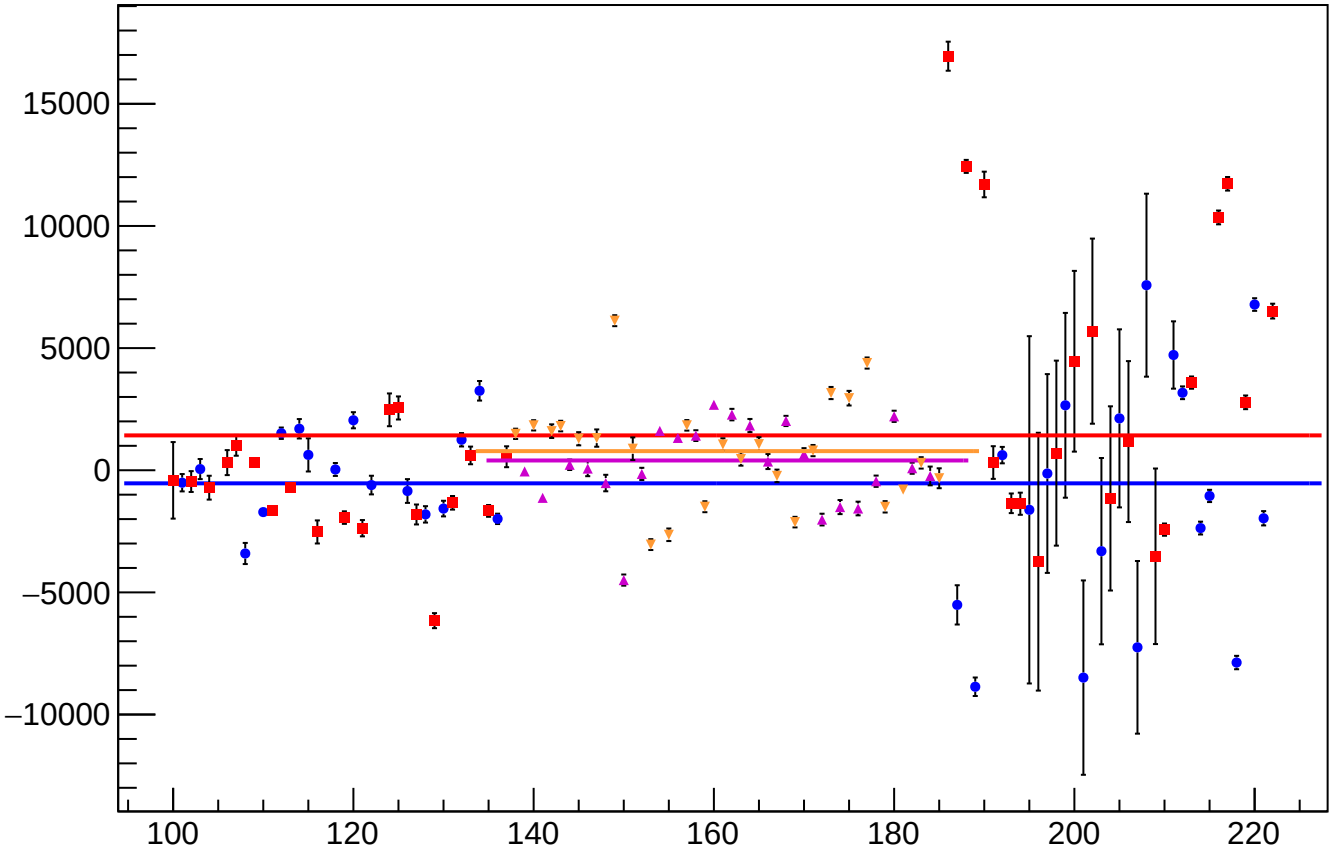
Right: 207.062+/-0.023 χ^2/NDF: 5186546.6/71

In: 205.446+/-0.024 χ^2/NDF:3173226.2/56

Out: 209.093+/-0.024 χ^2/NDF:4090878.3/62

All: 207.262+/-0.017 χ^2/NDF: 7275937.9/119

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: 1426.692+/-56.385 χ^2/NDF: 7620.8/37

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

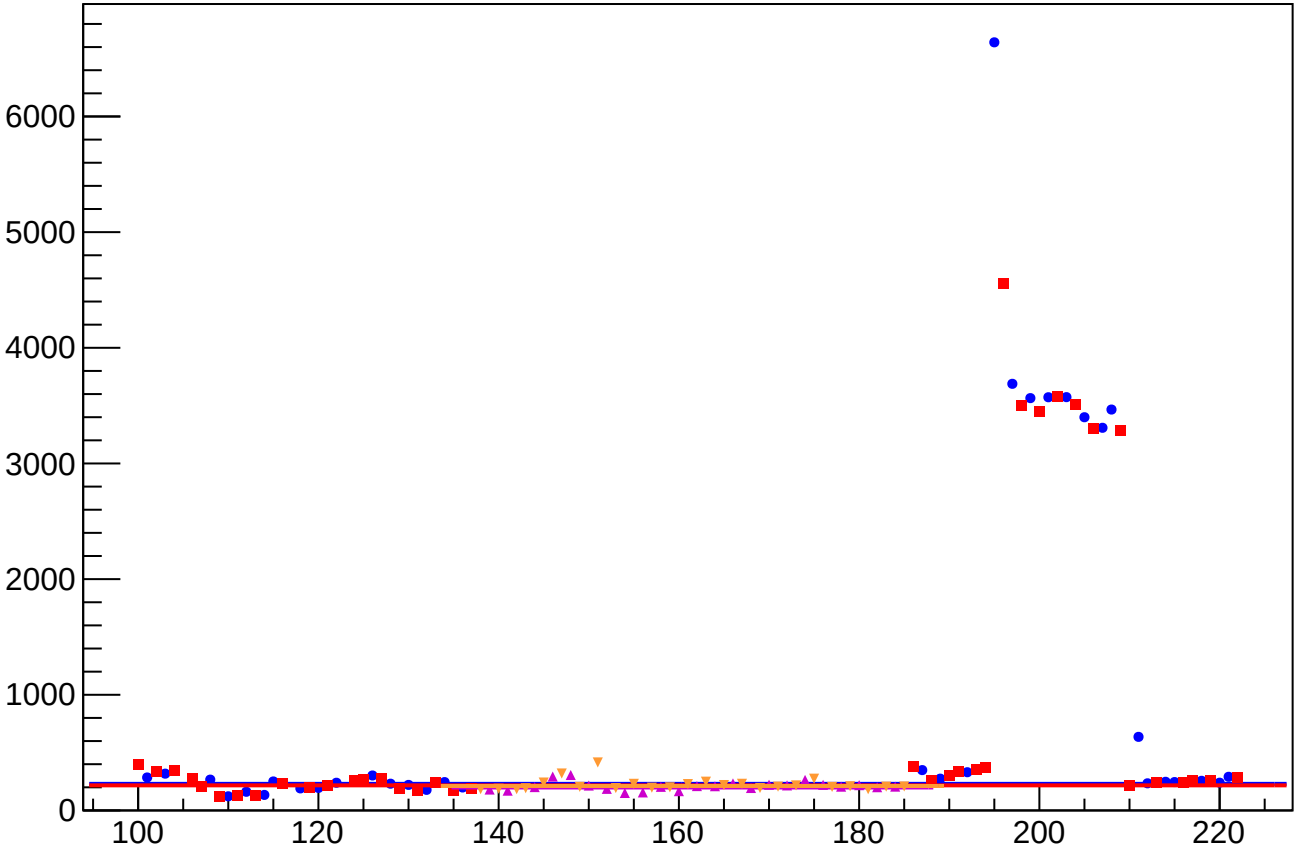
Right: 523.256+/-41.423 χ^2/NDF: 10992.8/71

In: 43.990+/-37.647 χ^2/NDF:4191.8/56

Out: 1060.891+/-37.071 χ^2/NDF:9696.2/62

All: 560.280+/-26.414 χ^2/NDF: 14258.5/119

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: 217.063+/-0.040 χ^2/NDF: 13645332.3/37

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

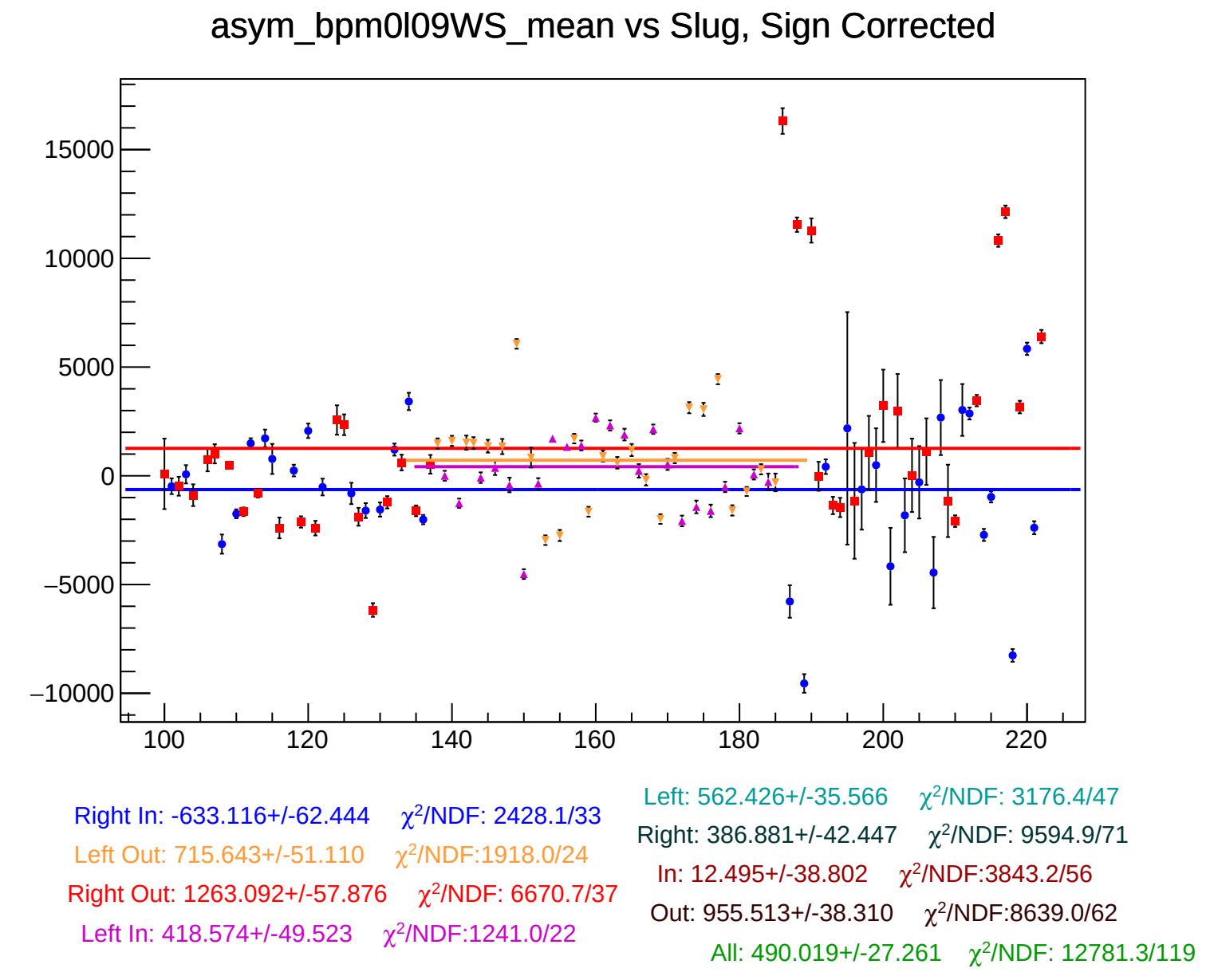
Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

Right: 222.981+/-0.029 χ^2/NDF: 27573981.6/71

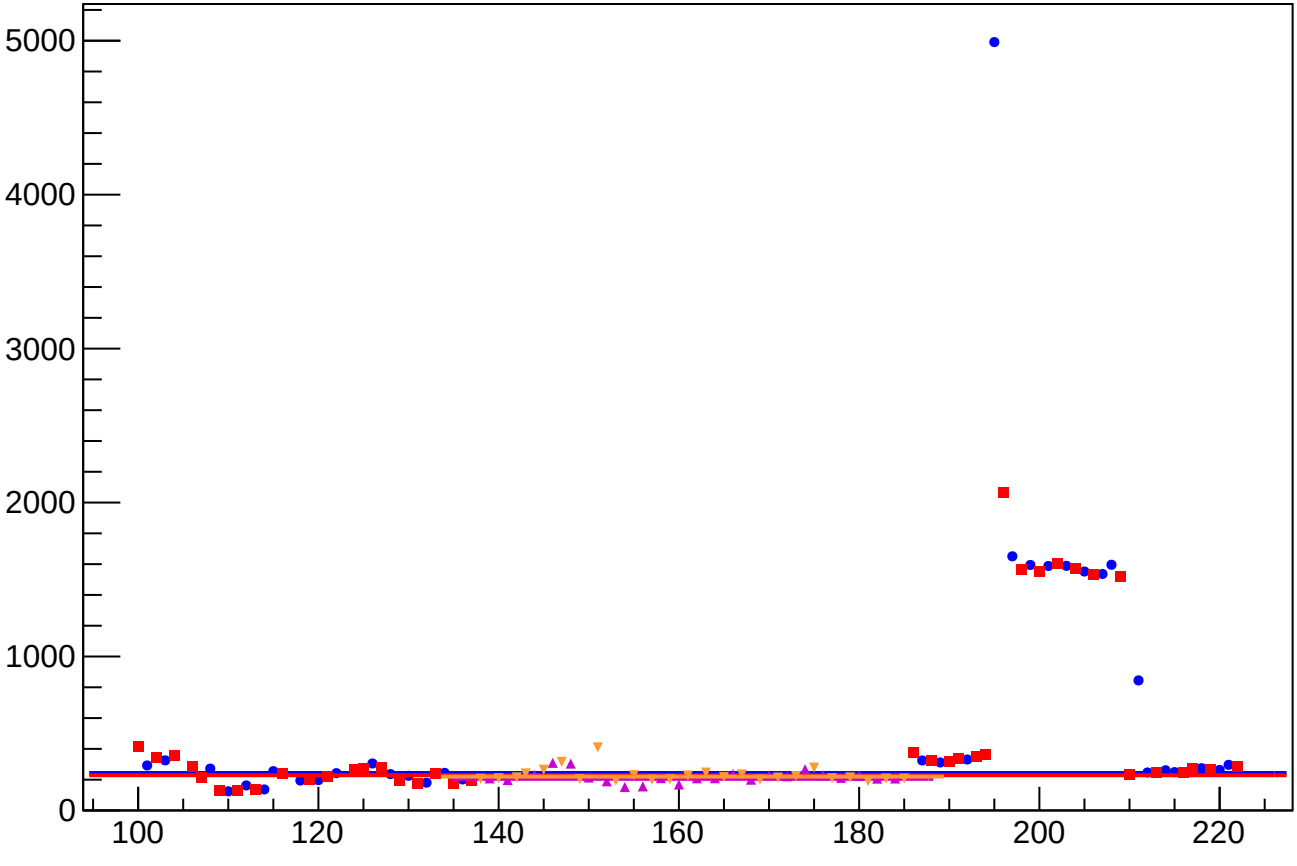
In: 210.460+/-0.027 χ^2/NDF:15214999.0/56

Out: 213.902+/-0.026 χ^2/NDF:14591380.4/62

All: 212.208+/-0.019 χ^2/NDF: 29814866.9/11


asym_bpm0l09WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -633.116+/-62.444 χ²/NDF: 2428.1/33
Left Out: 715.643+/-51.110 χ²/NDF:1918.0/24
Right Out: 1263.092+/-57.876 χ²/NDF: 6670.7/37
Left In: 418.574+/-49.523 χ²/NDF:1241.0/22
Left: 562.426+/-35.566 χ²/NDF: 3176.4/47
Right: 386.881+/-42.447 χ²/NDF: 9594.9/71
In: 12.495+/-38.802 χ²/NDF:3843.2/56
Out: 955.513+/-38.310 χ²/NDF:8639.0/62
All: 490.019+/-27.261 χ²/NDF: 12781.3/119

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: 228.842+/-0.041 χ^2/NDF: 11788365.6/37

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

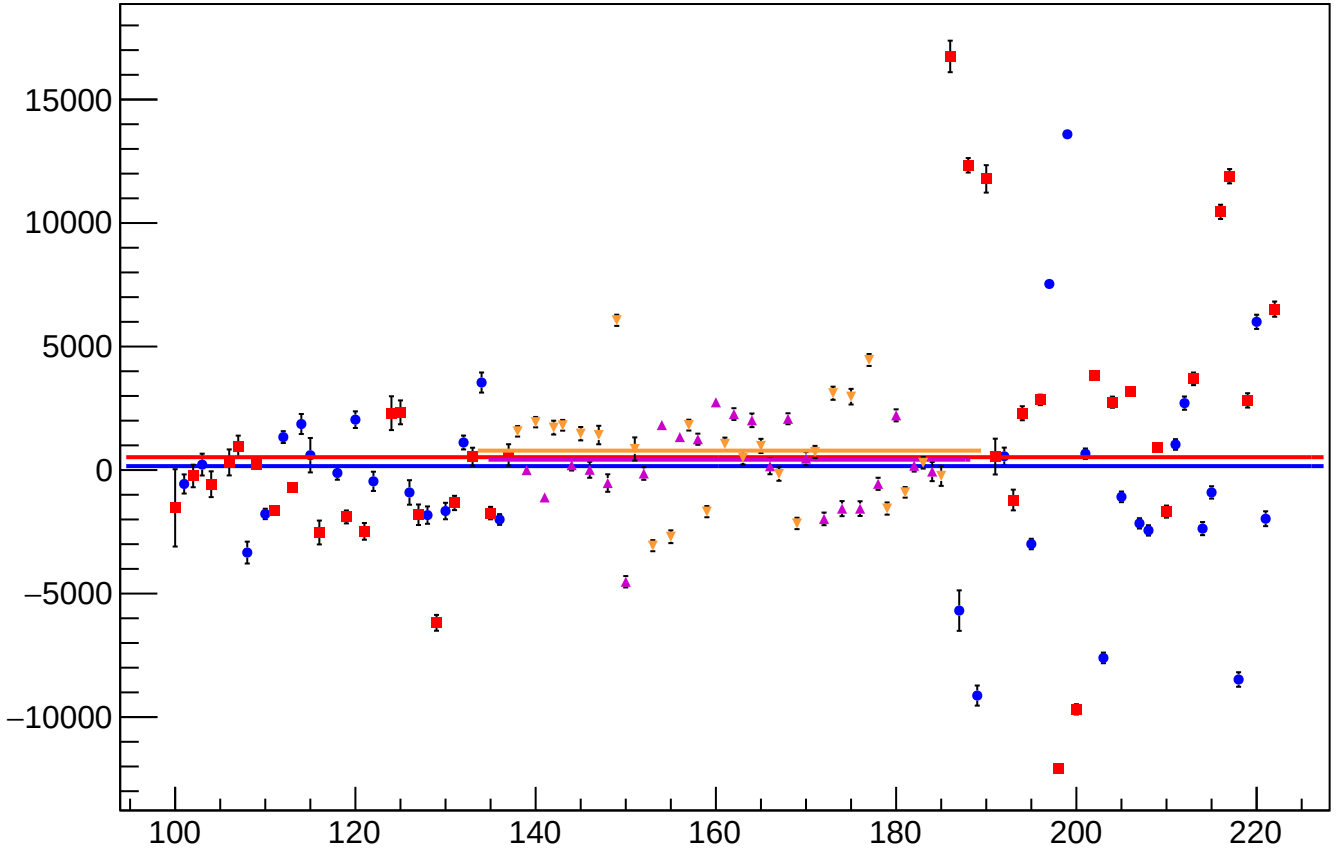
Right: 235.465+/-0.030 χ^2/NDF: 24275620.0/71

In: 220.035+/-0.027 χ^2/NDF:13891893.0/56

Out: 223.956+/-0.027 χ^2/NDF:12613440.5/62

All: 222.021+/-0.019 χ^2/NDF: 26515672.1/11

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: 521.442+/-46.298 χ^2/NDF: 14052.1/37

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

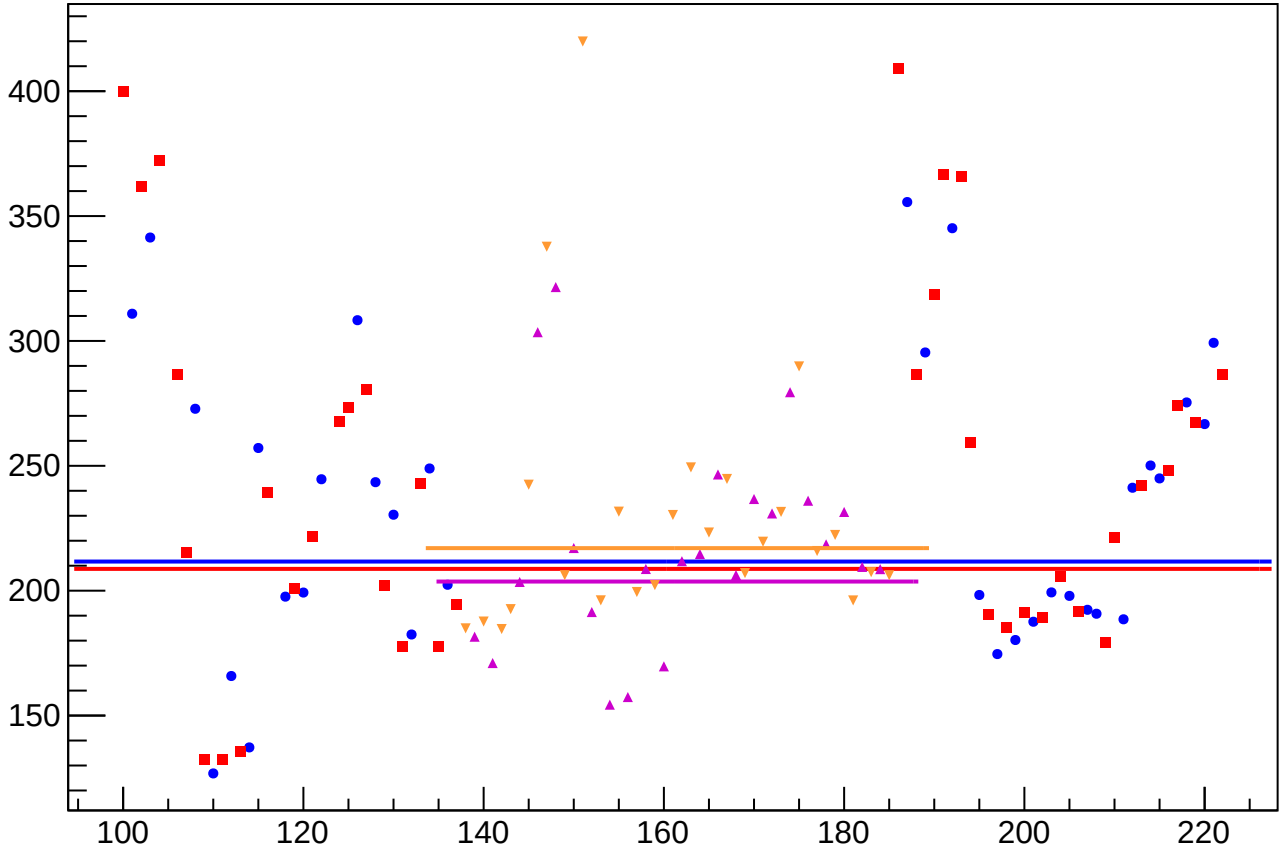
Right: 342.263+/-32.902 χ^2/NDF: 24740.9/71

In: 282.682+/-33.881 χ^2/NDF:11884.1/56

Out: 642.615+/-34.134 χ^2/NDF:16004.7/62

All: 461.311+/-24.046 χ^2/NDF: 27944.8/119

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: 208.732+/-0.033 χ^2/NDF: 2953794.4/37

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

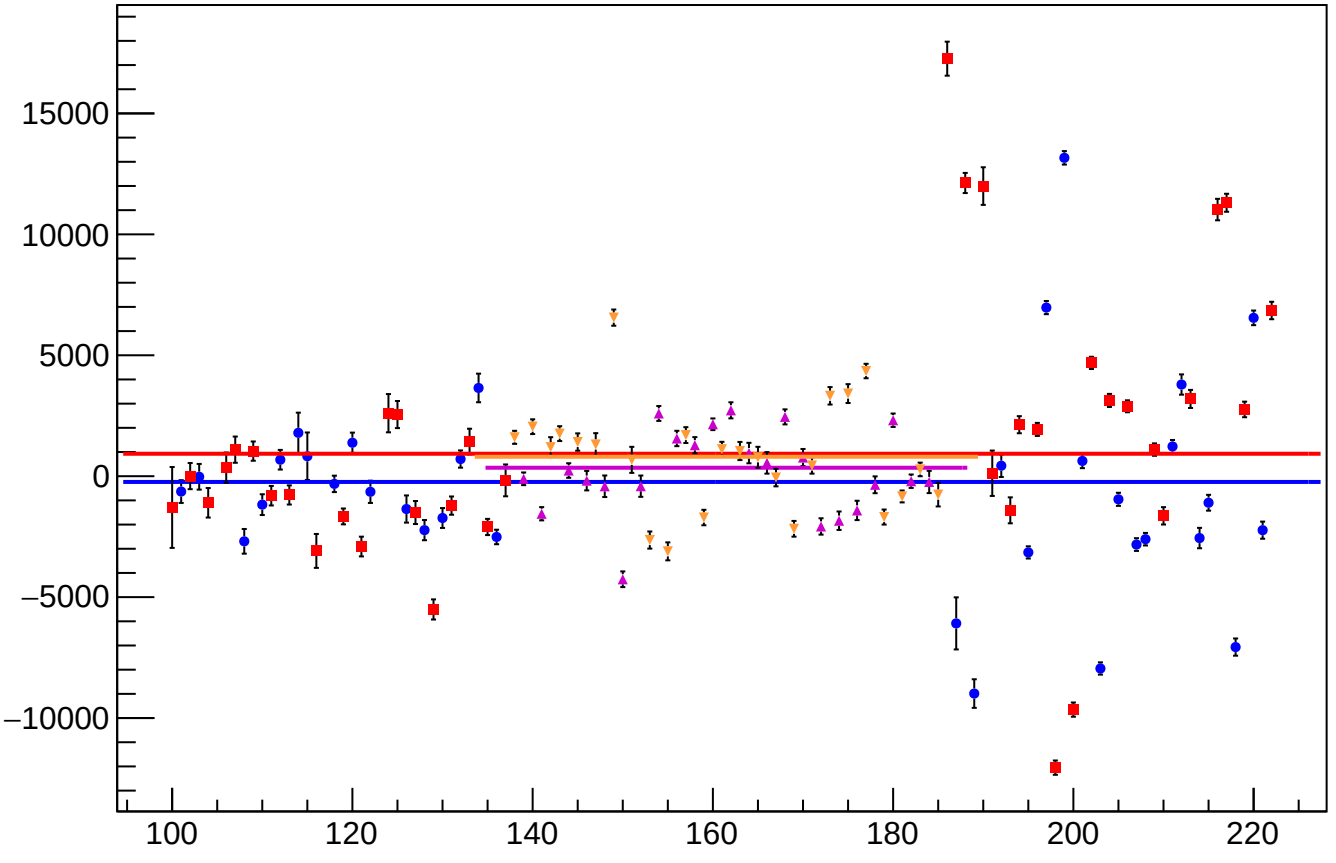
Right: 210.185+/-0.023 χ^2/NDF: 5041857.2/71

In: 207.863+/-0.024 χ^2/NDF:3277279.6/56

Out: 212.524+/-0.024 χ^2/NDF:3966358.0/62

All: 210.176+/-0.017 χ^2/NDF: 7262425.1/119

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: 928.448+/-63.285 χ^2/NDF: 7397.6/37

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

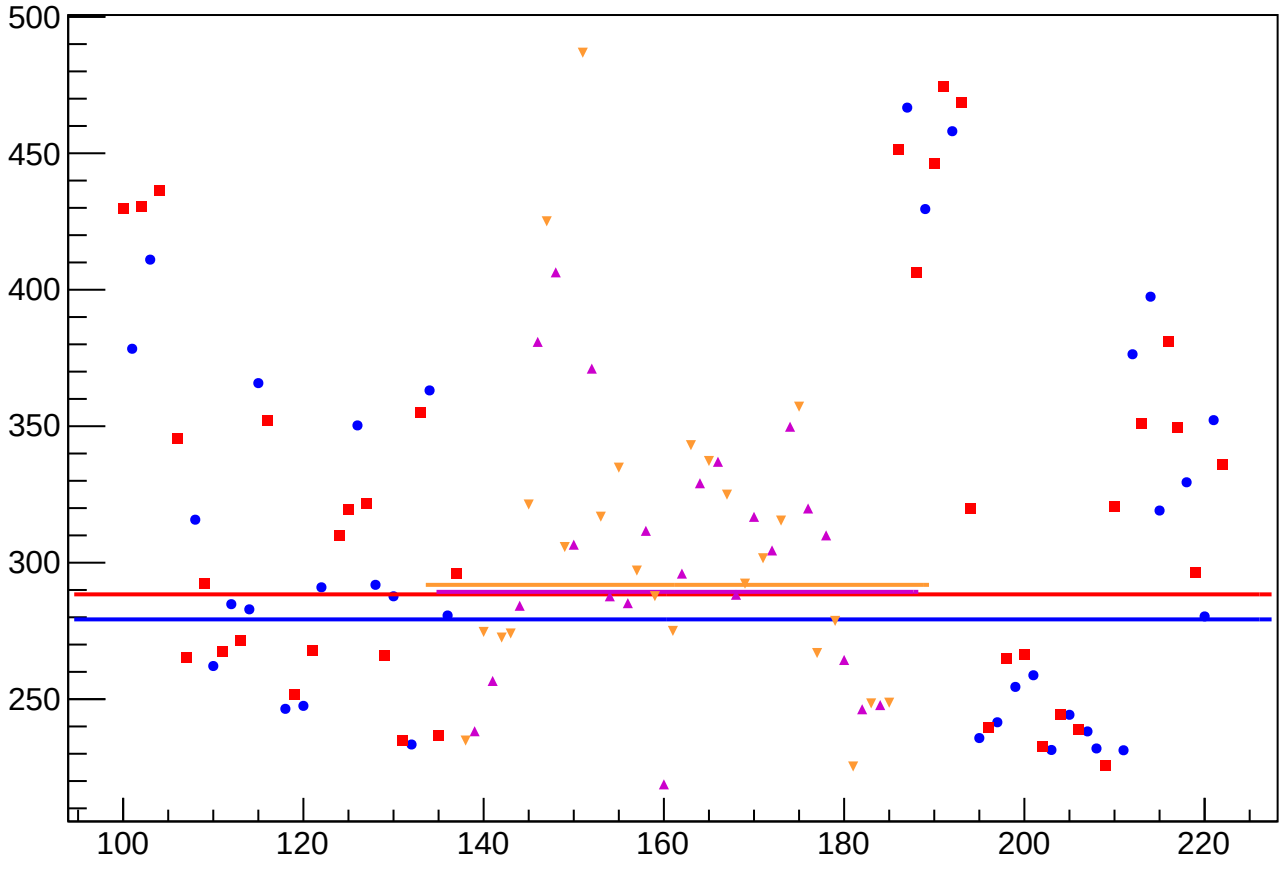
Right: 330.388+/-44.161 χ^2/NDF: 13355.3/71

In: 23.581+/-45.969 χ^2/NDF:6480.0/56

Out: 870.292+/-46.229 χ^2/NDF:8457.1/62

All: 444.550+/-32.597 χ^2/NDF: 15105.8/119

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: 288.396+/-0.045 χ^2/NDF: 1847687.5/37

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

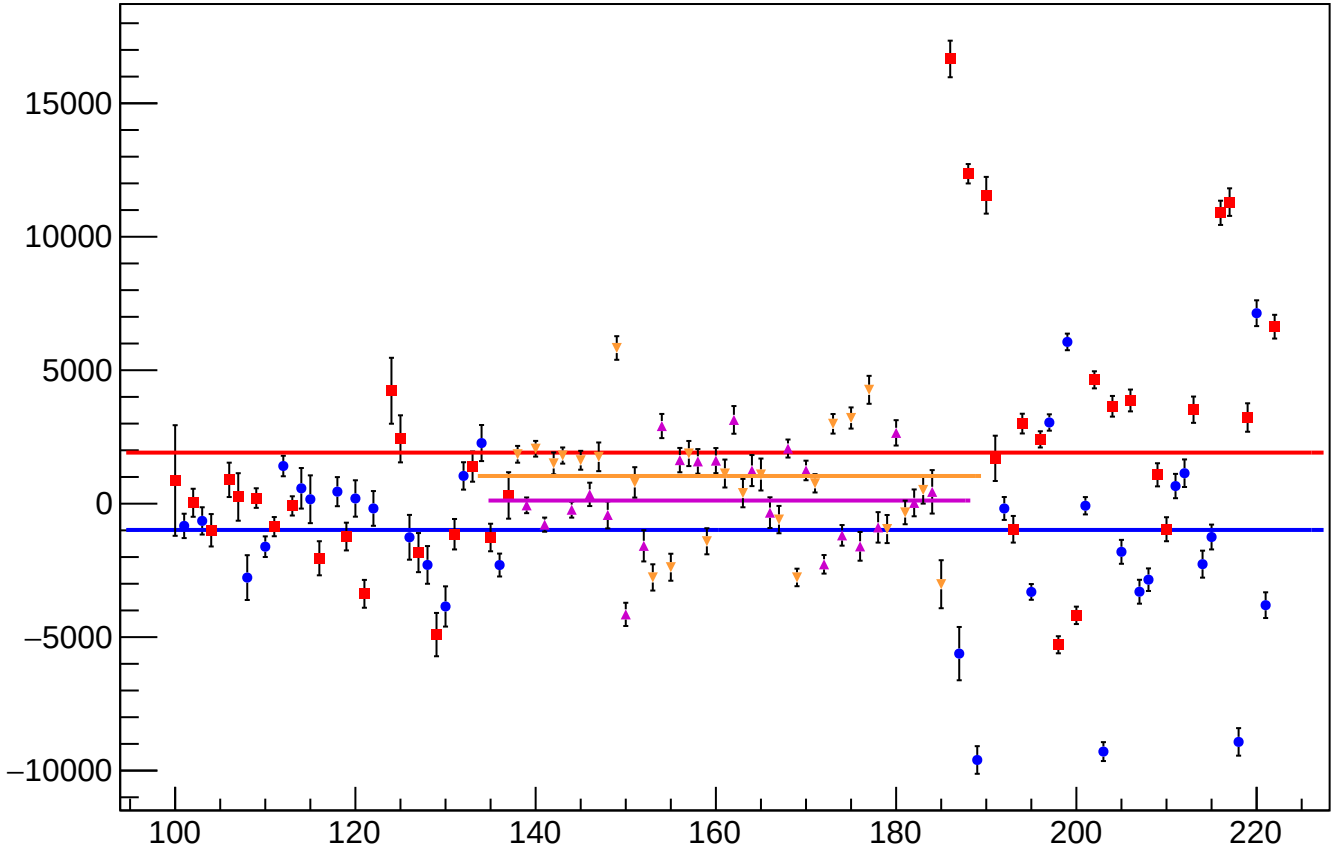
Right: 283.692+/-0.031 χ^2/NDF: 3560503.6/71

In: 283.709+/-0.033 χ^2/NDF:2523685.2/56

Out: 290.022+/-0.033 χ^2/NDF:2810437.0/62

All: 286.848+/-0.023 χ^2/NDF: 5352876.6/119

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: 1913.018+/-77.160 χ^2/NDF: 3898.6/37

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

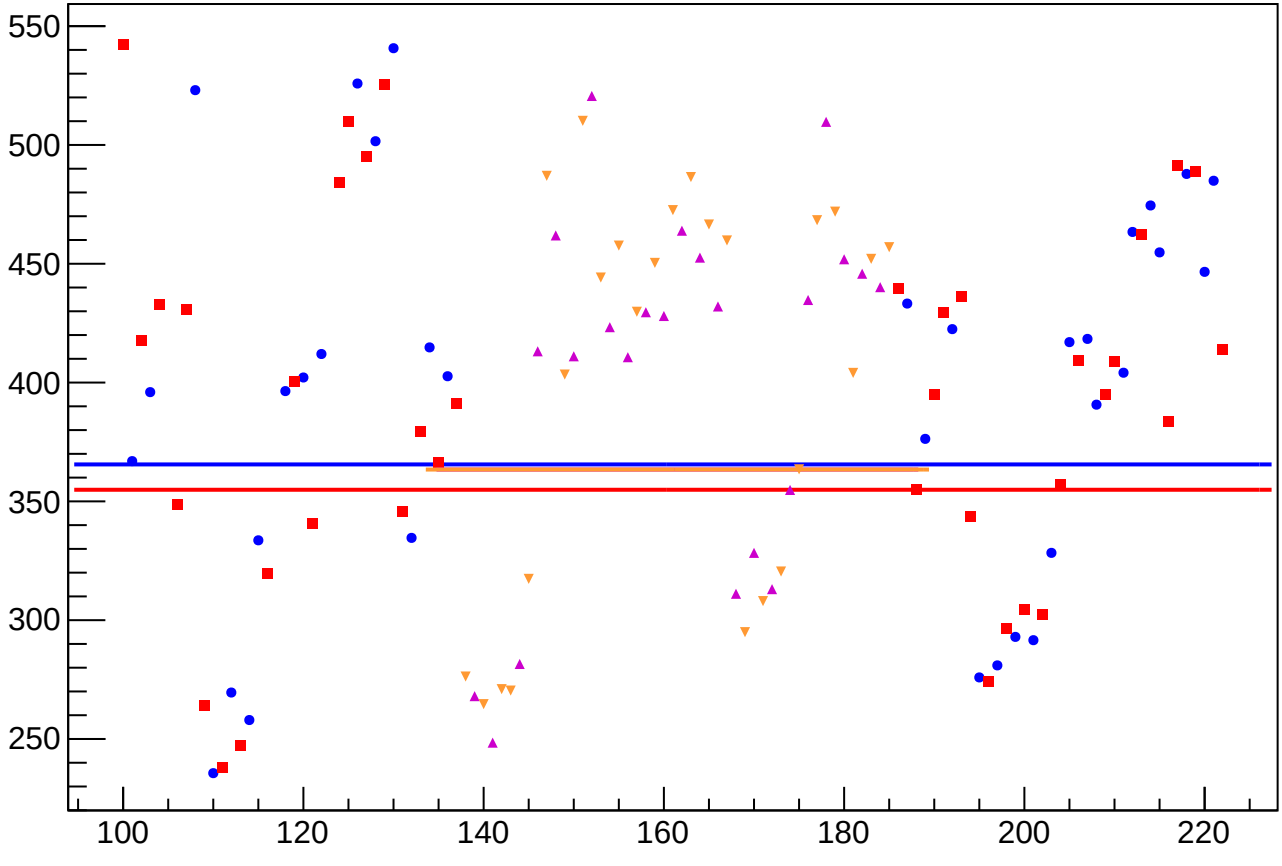
Right: 517.375+/-55.550 χ^2/NDF: 6955.8/71

In: -482.288+/-59.046 χ^2/NDF:2834.8/56

Out: 1518.432+/-57.192 χ^2/NDF:4526.8/62

All: 549.973+/-41.081 χ^2/NDF: 7954.0/119

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: 354.885+/-0.055 χ^2/NDF: 1783369.6/37

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

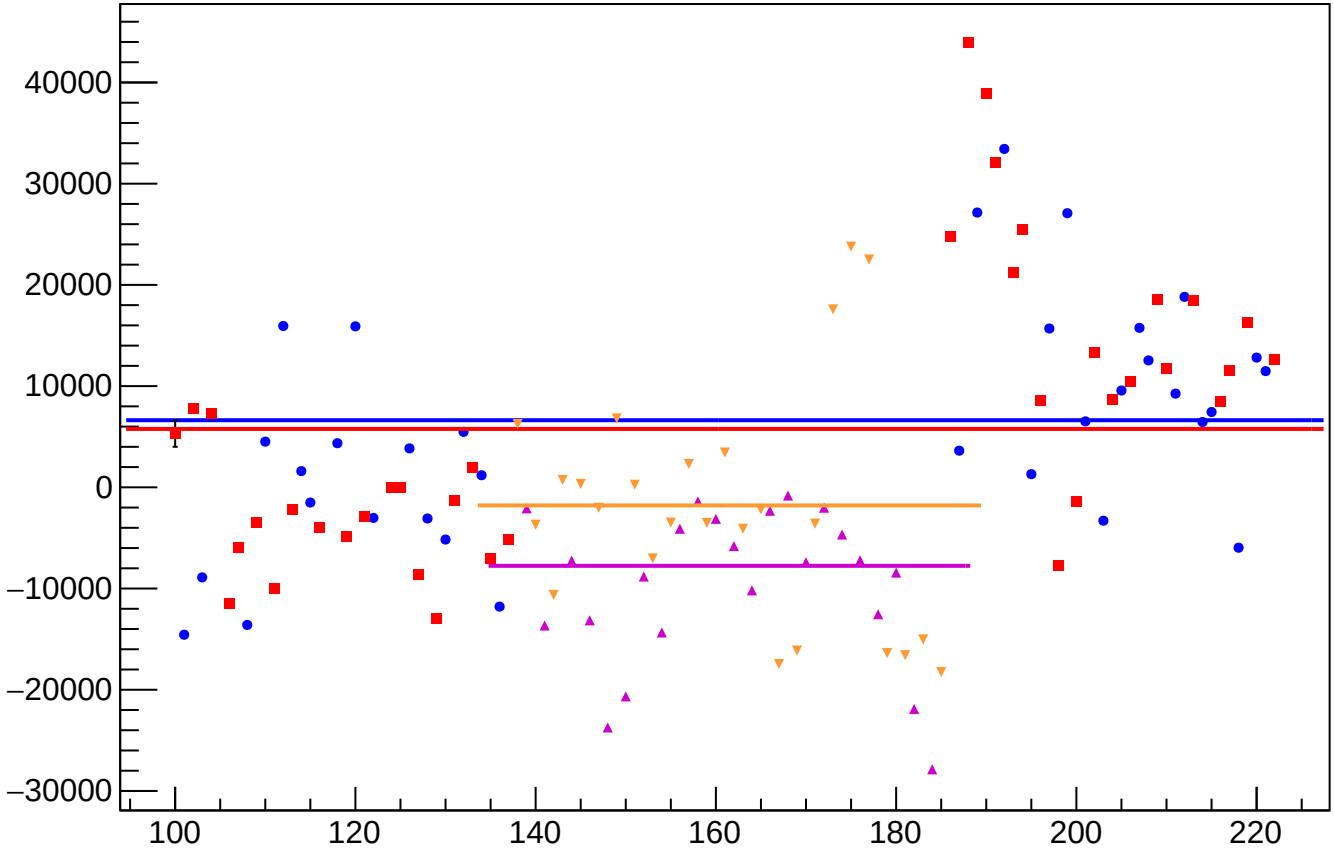
Right: 360.022+/-0.039 χ^2/NDF: 3805733.8/71

In: 364.563+/-0.042 χ^2/NDF:3716226.7/56

Out: 358.716+/-0.040 χ^2/NDF:3734809.2/62

All: 361.546+/-0.029 χ^2/NDF: 7461155.8/119

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5769.973+/-36.108 χ^2/NDF: 150392.9/37

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

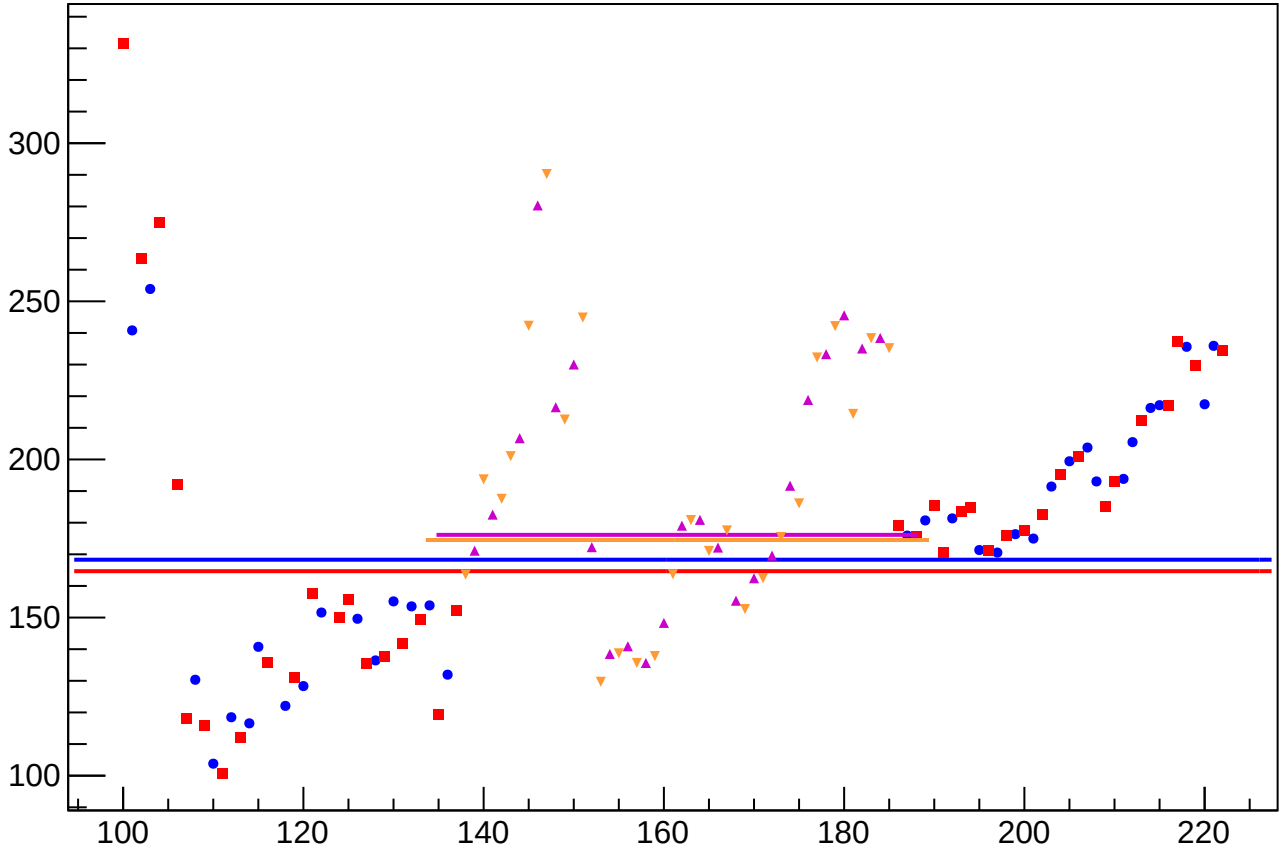
Right: 6188.639+/-25.873 χ^2/NDF: 250965.6/71

In: 422.744+/-27.966 χ^2/NDF:188479.9/56

Out: 2459.422+/-27.071 χ^2/NDF:235336.0/62

All: 1474.169+/-19.451 χ^2/NDF: 426554.0/11

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: 164.672+/-0.026 χ^2/NDF: 2418488.0/37

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

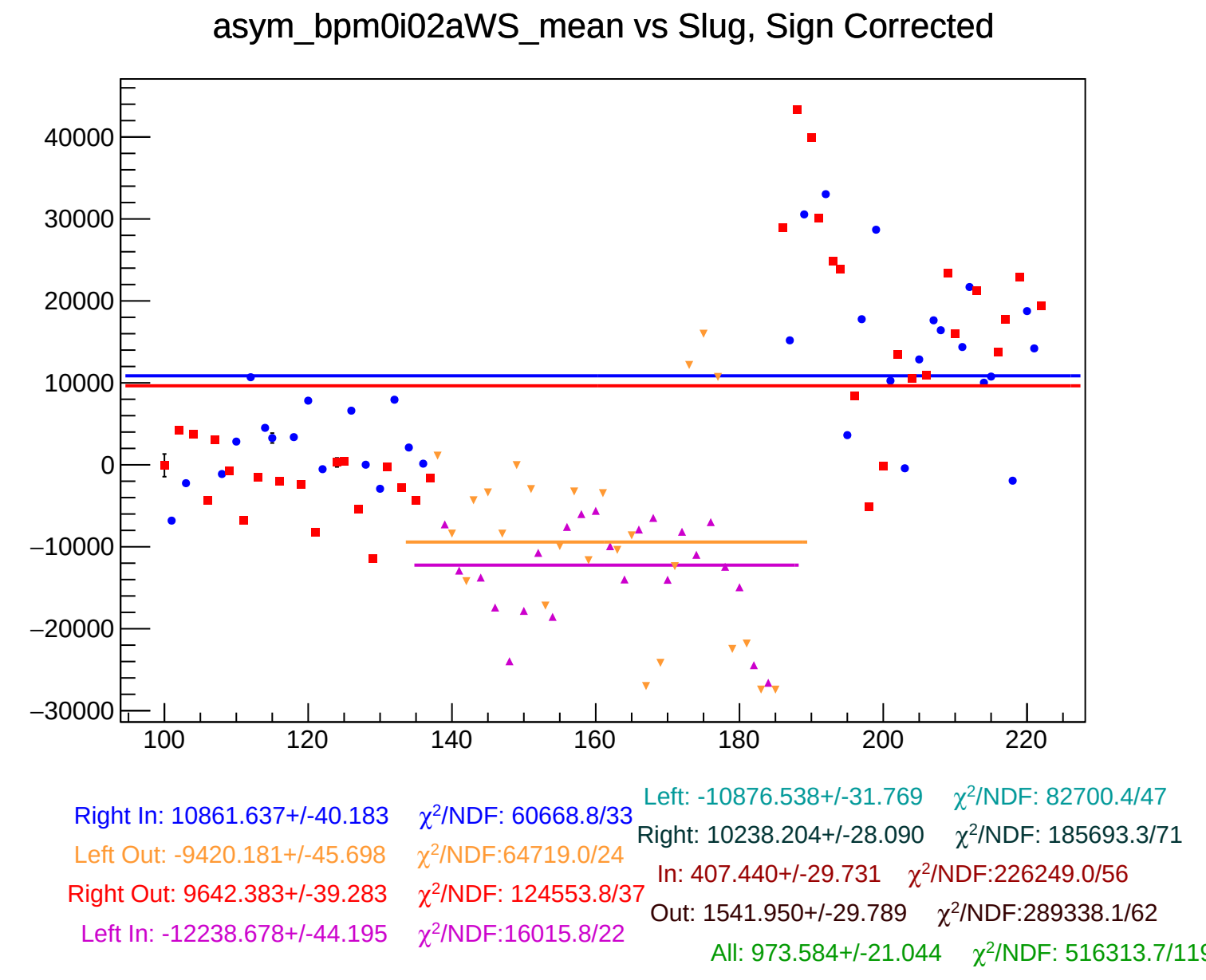
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 166.435+/-0.018 χ^2/NDF: 4514592.5/71

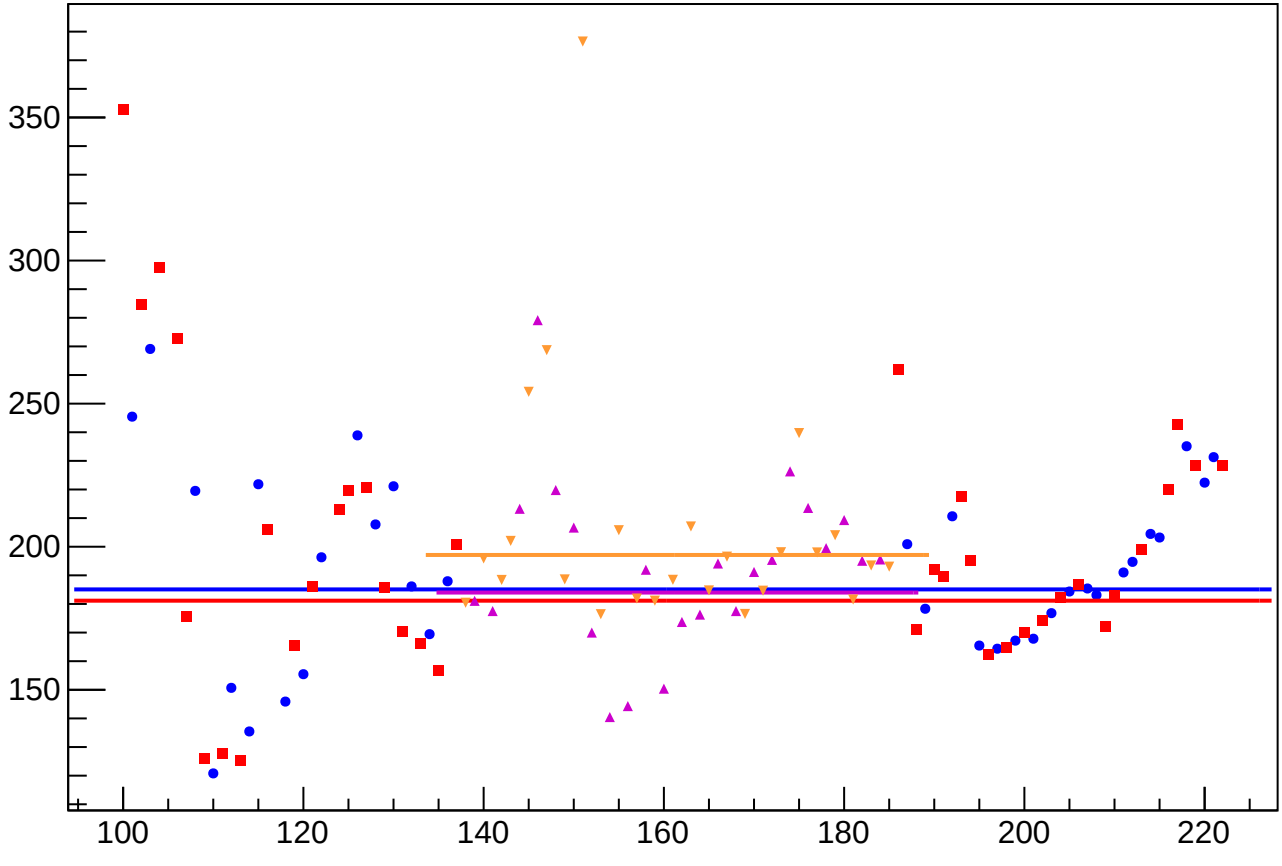
In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 168.984+/-0.019 χ^2/NDF:4143114.6/62

All: 170.292+/-0.014 χ^2/NDF: 7644855.0/119


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 9642.383+/-39.283 χ²/NDF: 124553.8/37
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 10238.204+/-28.090 χ²/NDF: 185693.3/71
In: 407.440+/-29.731 χ²/NDF:226249.0/56
Out: 1541.950+/-29.789 χ²/NDF:289338.1/62
All: 973.584+/-21.044 χ²/NDF: 516313.7/119

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 181.145+/-0.028 χ^2/NDF: 1573703.2/37

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

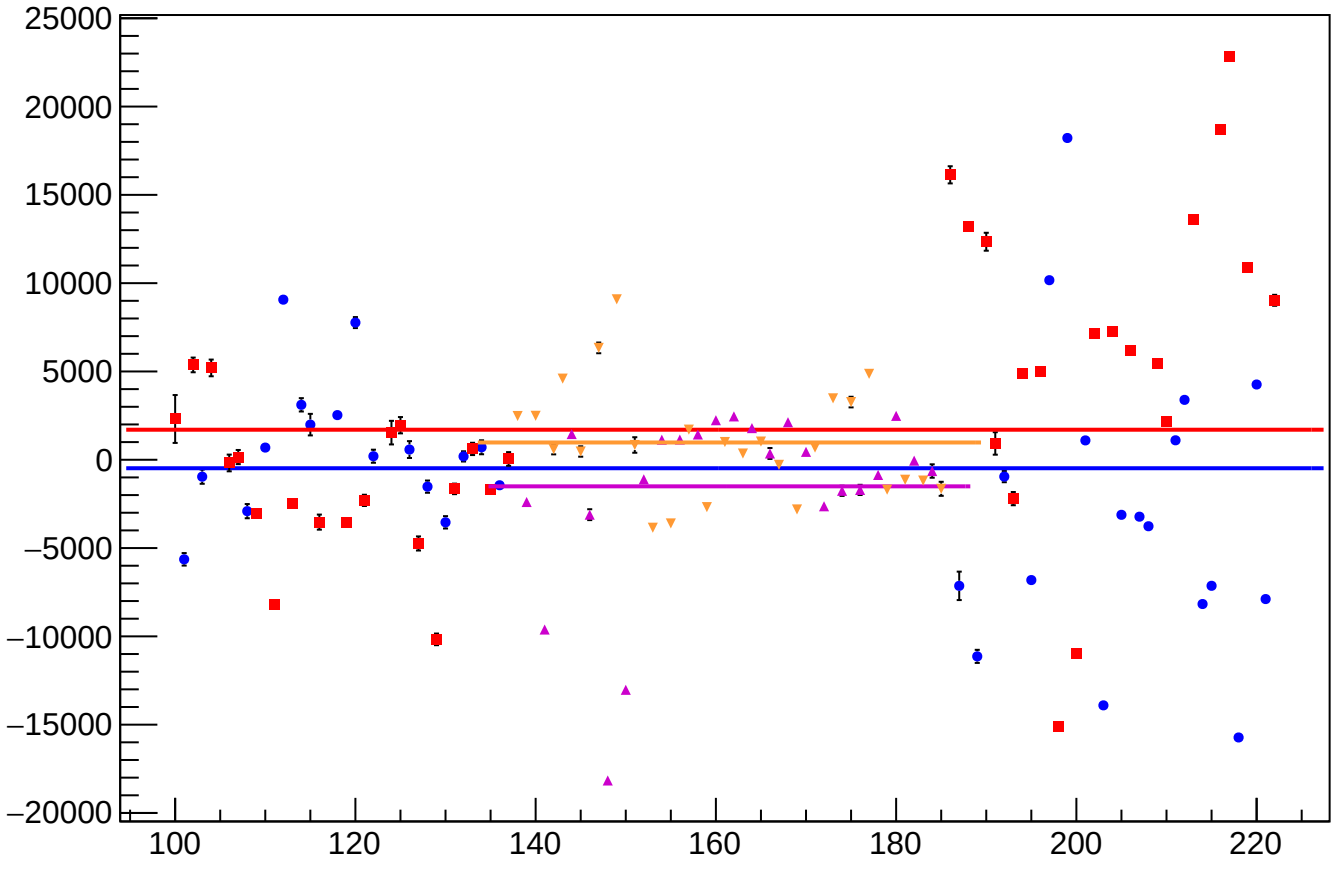
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 183.071+/-0.020 χ^2/NDF: 2645849.1/71

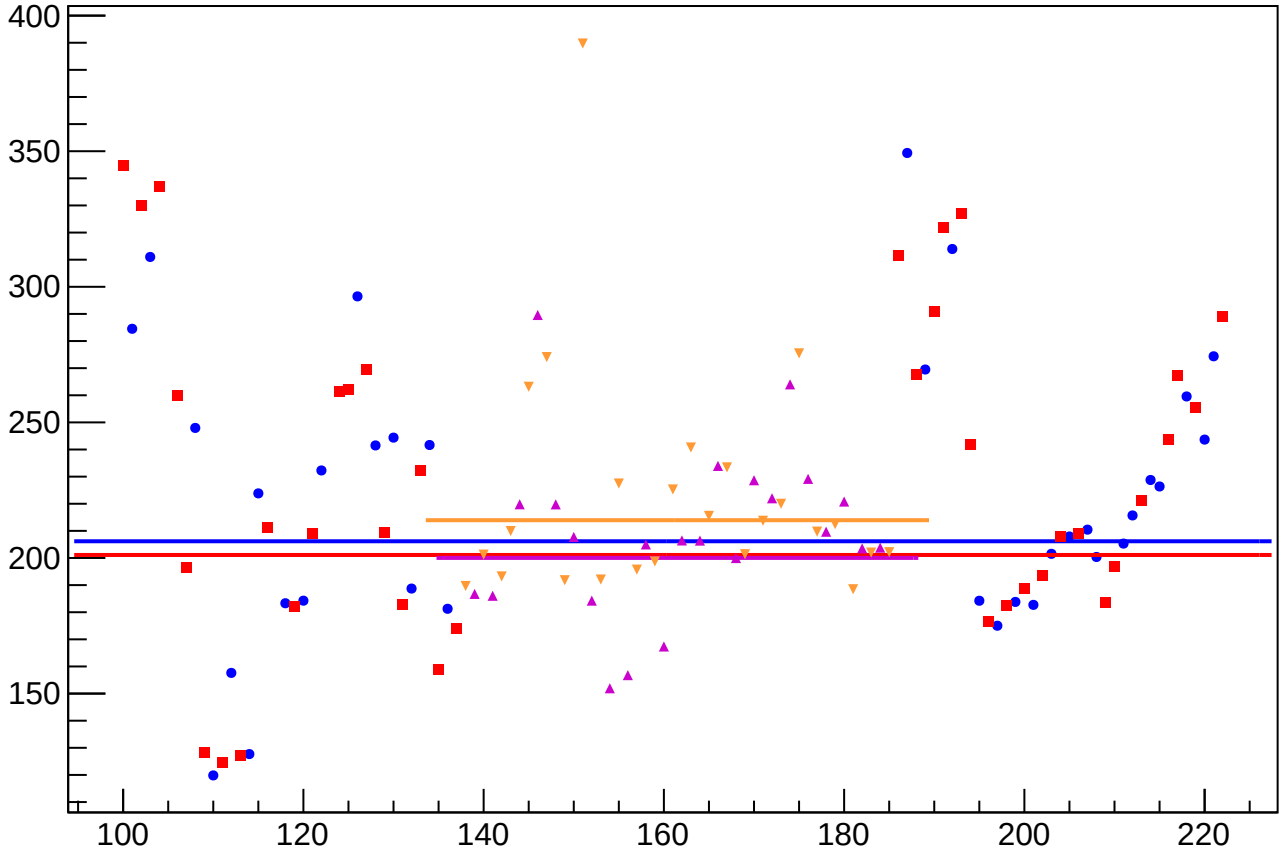
In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 187.934+/-0.021 χ^2/NDF:2446828.1/62

All: 186.258+/-0.015 χ^2/NDF: 4352234.5/119


asym_bpm0i05WS_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -479.761+/-45.138 χ²/NDF: 28035.3/33
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: 1701.085+/-44.263 χ²/NDF: 37125.6/37
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: 632.000+/-31.603 χ²/NDF: 66350.9/71
In: -960.406+/-32.899 χ²/NDF:39757.8/56
Out: 1380.764+/-33.027 χ²/NDF:41566.6/62
All: 205.630+/-23.308 χ²/NDF: 83846.6/119

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 201.113+/-0.031 χ^2/NDF: 2716044.0/37

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

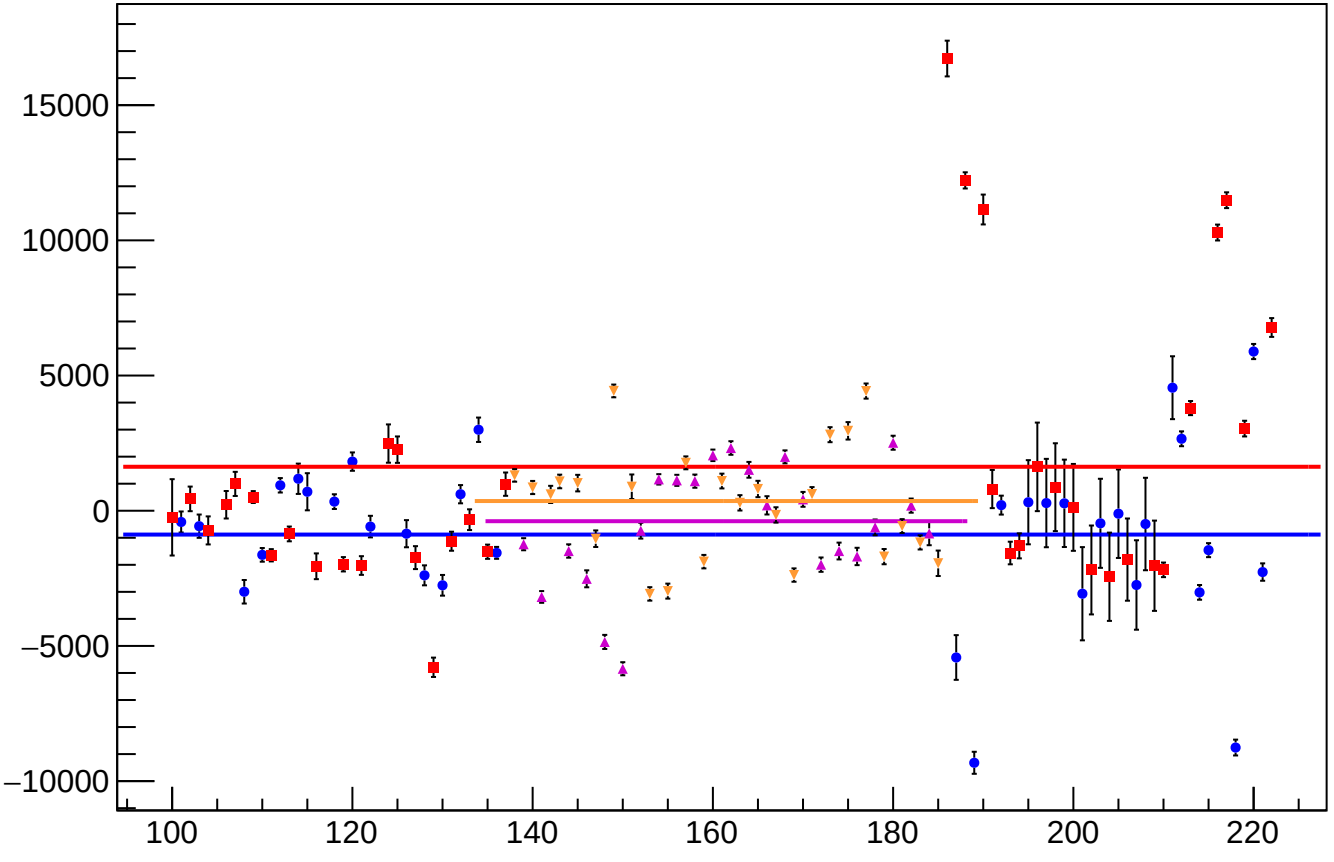
Right: 203.590+/-0.022 χ^2/NDF: 4502032.3/71

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 206.794+/-0.023 χ^2/NDF:3524033.5/62

All: 205.036+/-0.016 χ^2/NDF: 6111391.2/119

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: 1626.313+/-62.462 χ^2/NDF: 6149.7/37

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

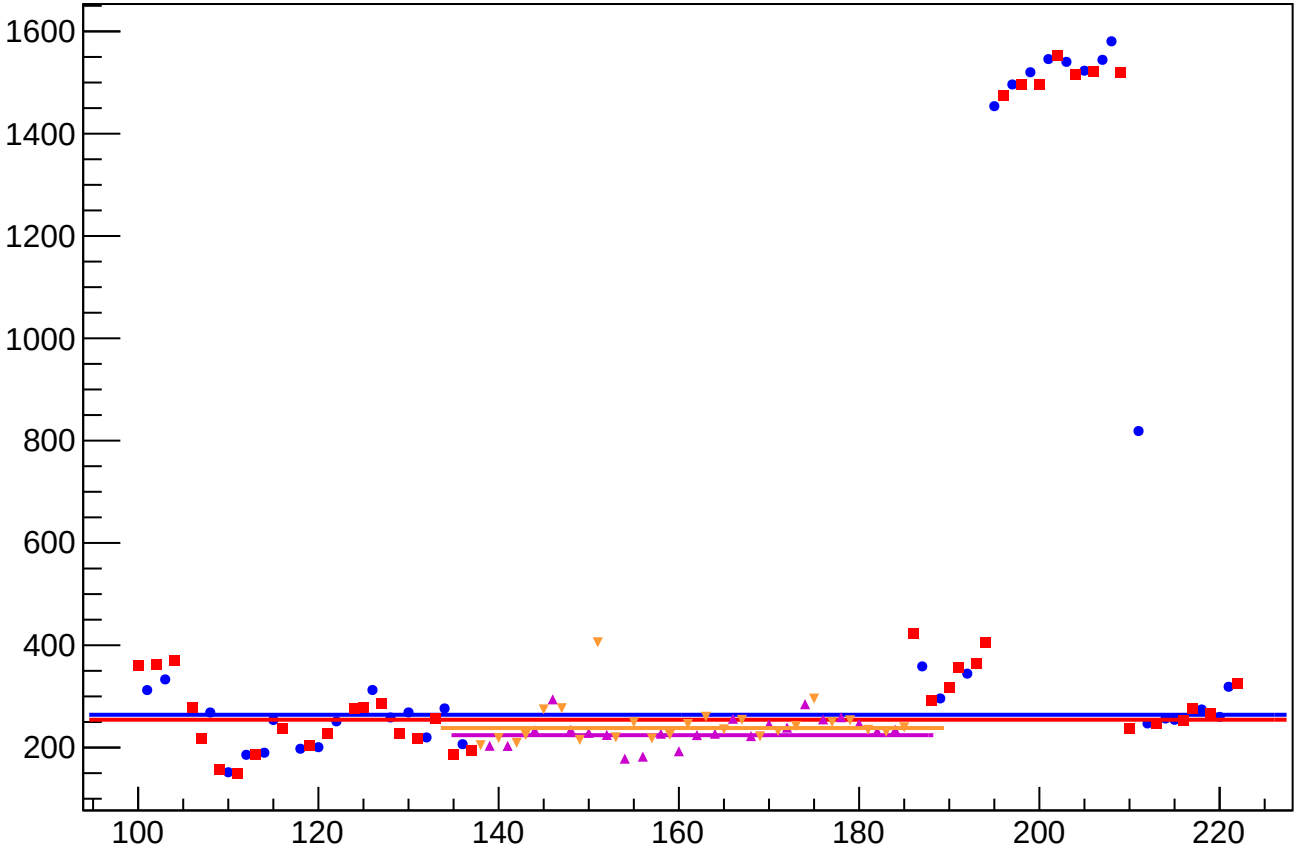
Right: 445.542+/-45.437 χ^2/NDF: 9289.0/71

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 912.195+/-41.275 χ^2/NDF:7800.6/62

All: 171.272+/-29.310 χ^2/NDF: 12668.8/119

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: 254.436+/-0.044 χ^2/NDF: 10634414.1/37

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

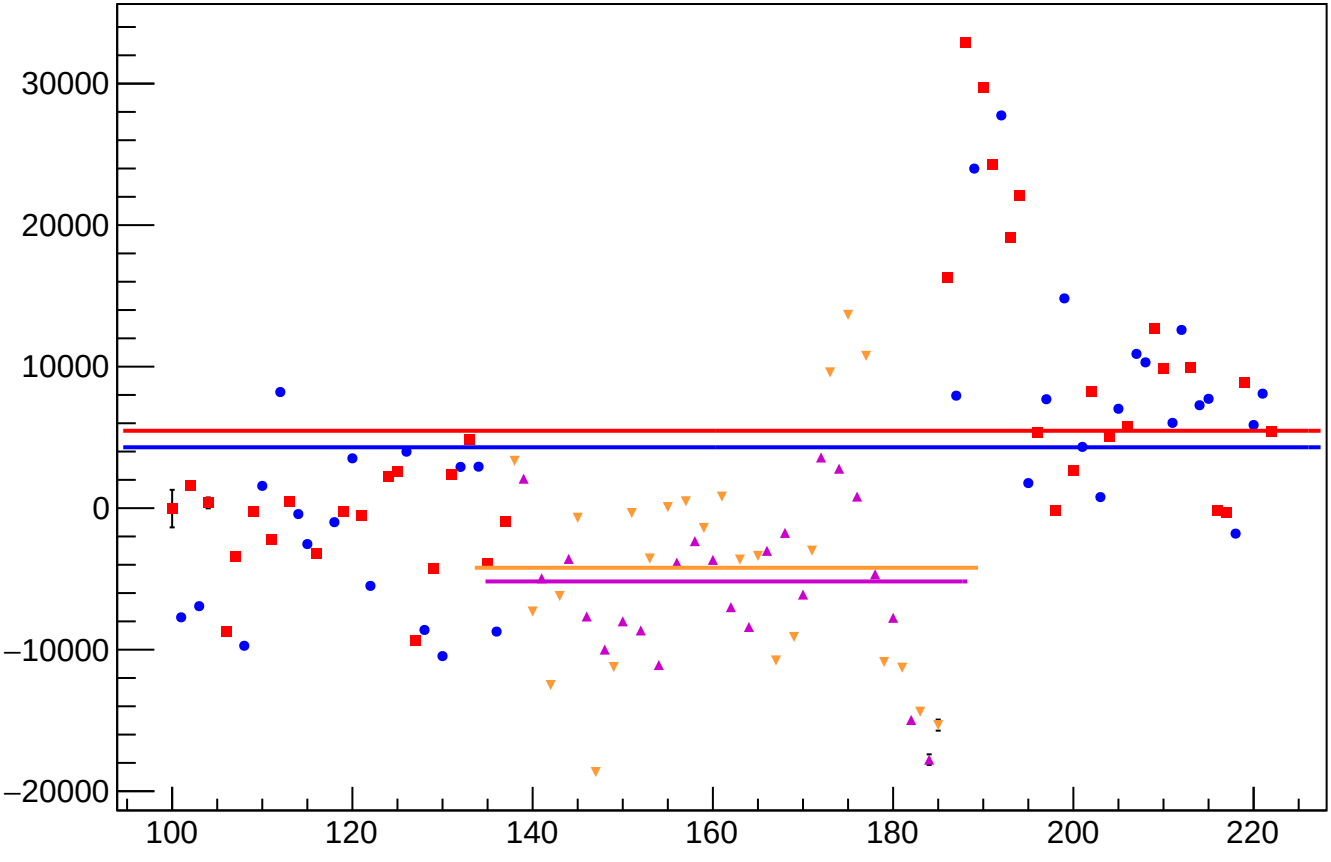
Right: 258.995+/-0.032 χ^2/NDF: 21782682.5/71

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 245.289+/-0.029 χ^2/NDF:11278479.9/62

All: 242.659+/-0.021 χ^2/NDF: 23423045.7/11

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: 5468.777+/-30.520 χ^2/NDF: 107507.7/37

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

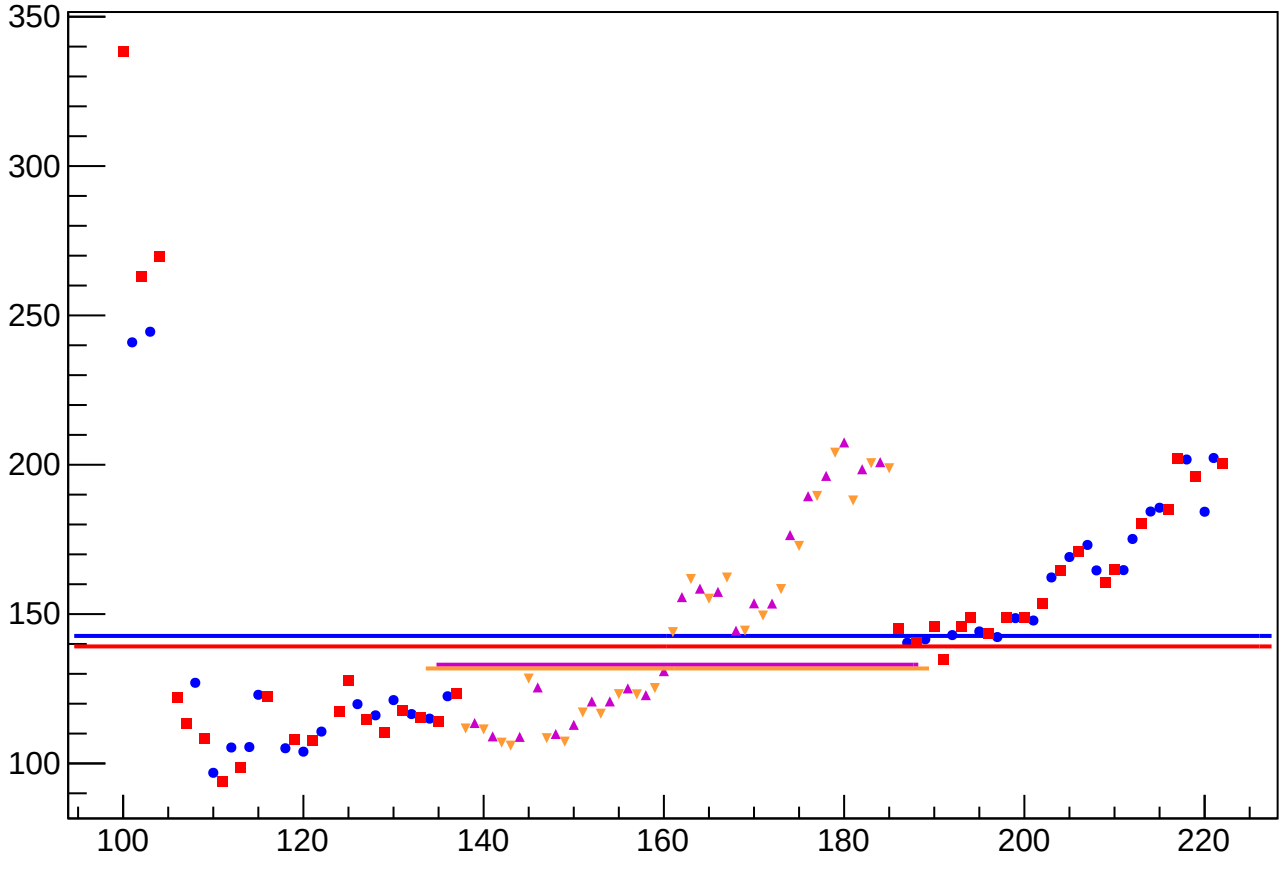
Right: 4904.264+/-21.924 χ^2/NDF: 191488.0/71

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 677.785+/-21.689 χ^2/NDF:214097.2/62

All: 171.854+/-15.596 χ^2/NDF: 361641.8/119

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 139.177+/-0.022 χ^2/NDF: 2303017.3/37

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

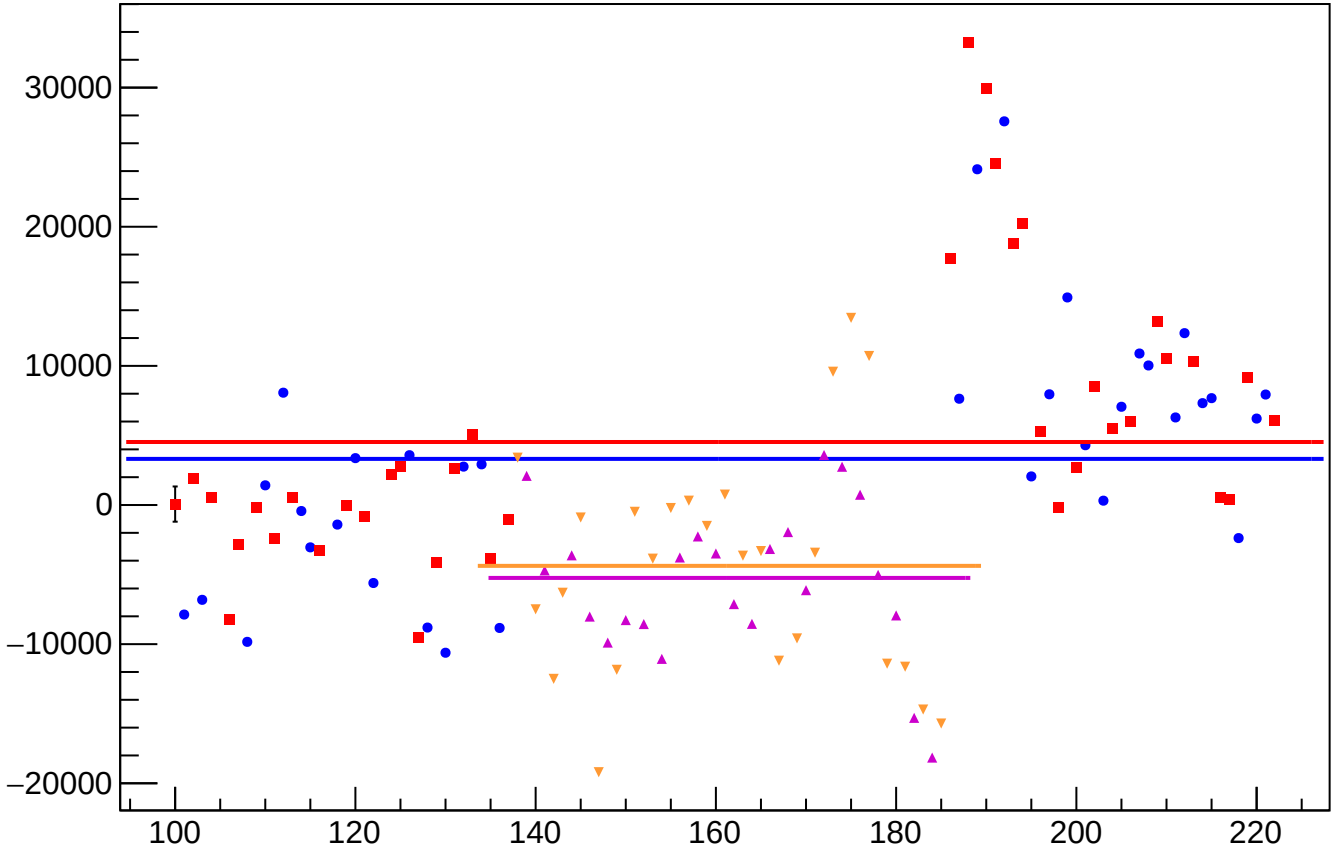
Right: 140.877+/-0.016 χ^2/NDF: 4428120.9/71

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 135.524+/-0.015 χ^2/NDF:3905232.9/62

All: 136.693+/-0.011 χ^2/NDF: 7539817.3/119

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: 4529.624+/-27.688 χ^2/NDF: 117671.8/37

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

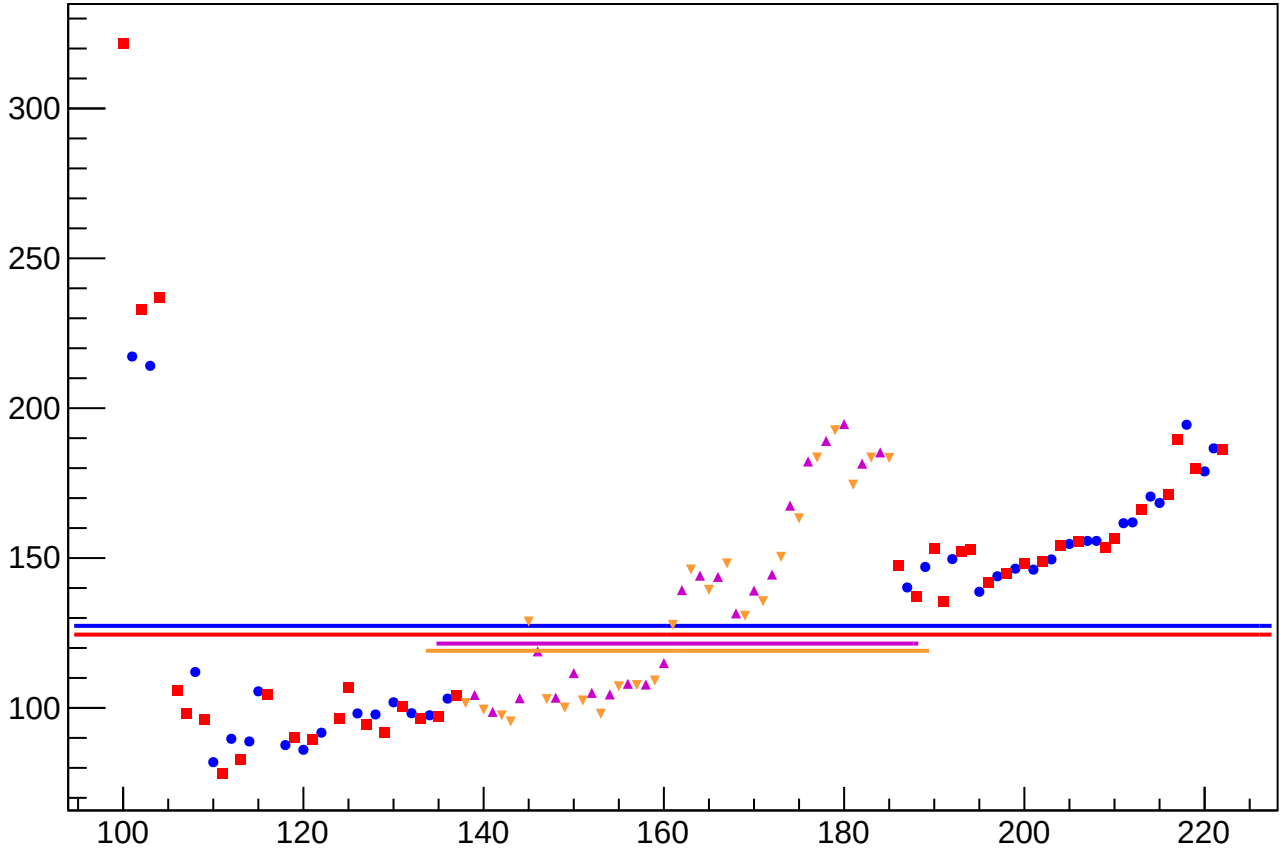
Right: 3940.193+/-19.863 χ^2/NDF: 213176.8/71

In: -852.802+/-20.417 χ^2/NDF:160705.8/56

Out: 121.263+/-19.672 χ^2/NDF:236083.6/62

All: -347.663+/-14.166 χ^2/NDF: 397969.6/11

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: 124.459+/-0.020 χ^2/NDF: 3324121.2/37

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

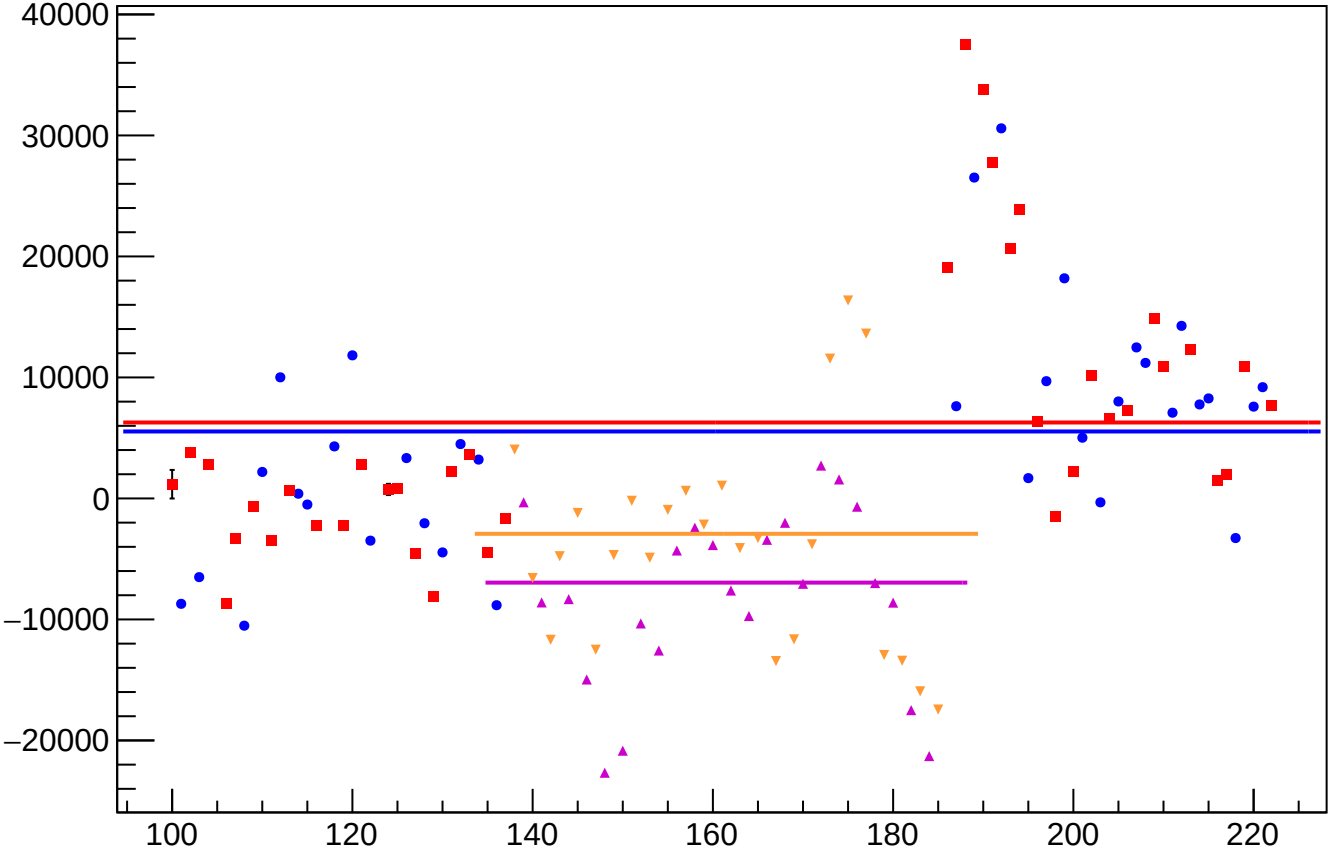
Right: 125.877+/-0.014 χ^2/NDF: 6401354.8/71

In: 124.500+/-0.014 χ^2/NDF:4637715.9/56

Out: 121.788+/-0.014 χ^2/NDF:5117150.0/62

All: 123.094+/-0.010 χ^2/NDF: 9773175.0/119

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: 6276.998+/-36.226 χ^2/NDF: 96452.7/37

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

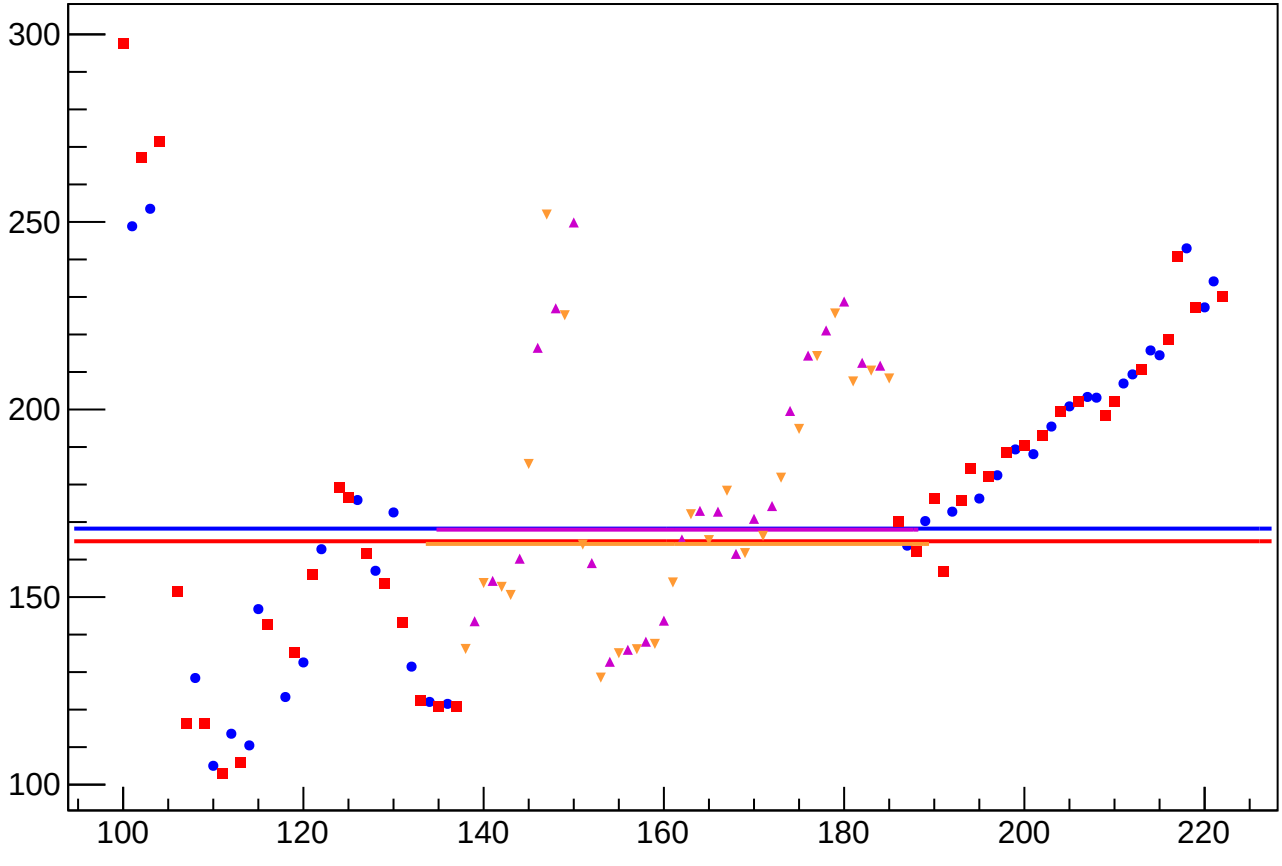
Right: 5915.866+/-25.964 χ^2/NDF: 163186.4/71

In: -226.166+/-27.330 χ^2/NDF:140777.6/56

Out: 1918.966+/-26.281 χ^2/NDF:165056.7/62

All: 888.362+/-18.943 χ^2/NDF: 309035.2/119

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: 164.880+/-0.026 χ^2/NDF: 2582813.7/37

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

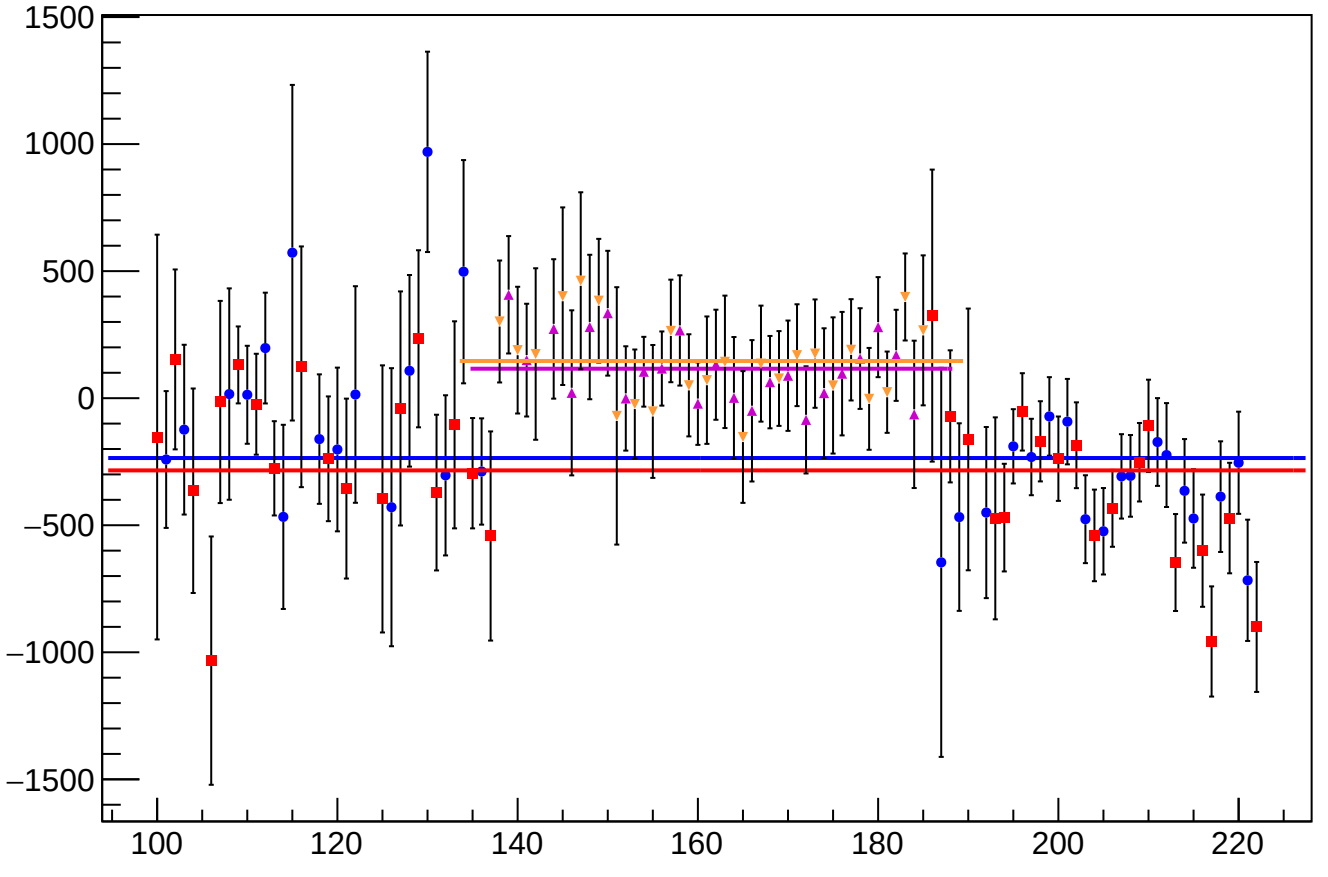
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 166.520+/-0.018 χ^2/NDF: 5070441.8/71

In: 168.125+/-0.019 χ^2/NDF:3701993.6/56

Out: 164.545+/-0.019 χ^2/NDF:3807580.7/62

All: 166.265+/-0.013 χ^2/NDF: 7527404.1/119



Right In: -235.538+/-38.563 χ^2/NDF: 36.5/33

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -284.170+/-38.608 χ^2/NDF: 49.5/35

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

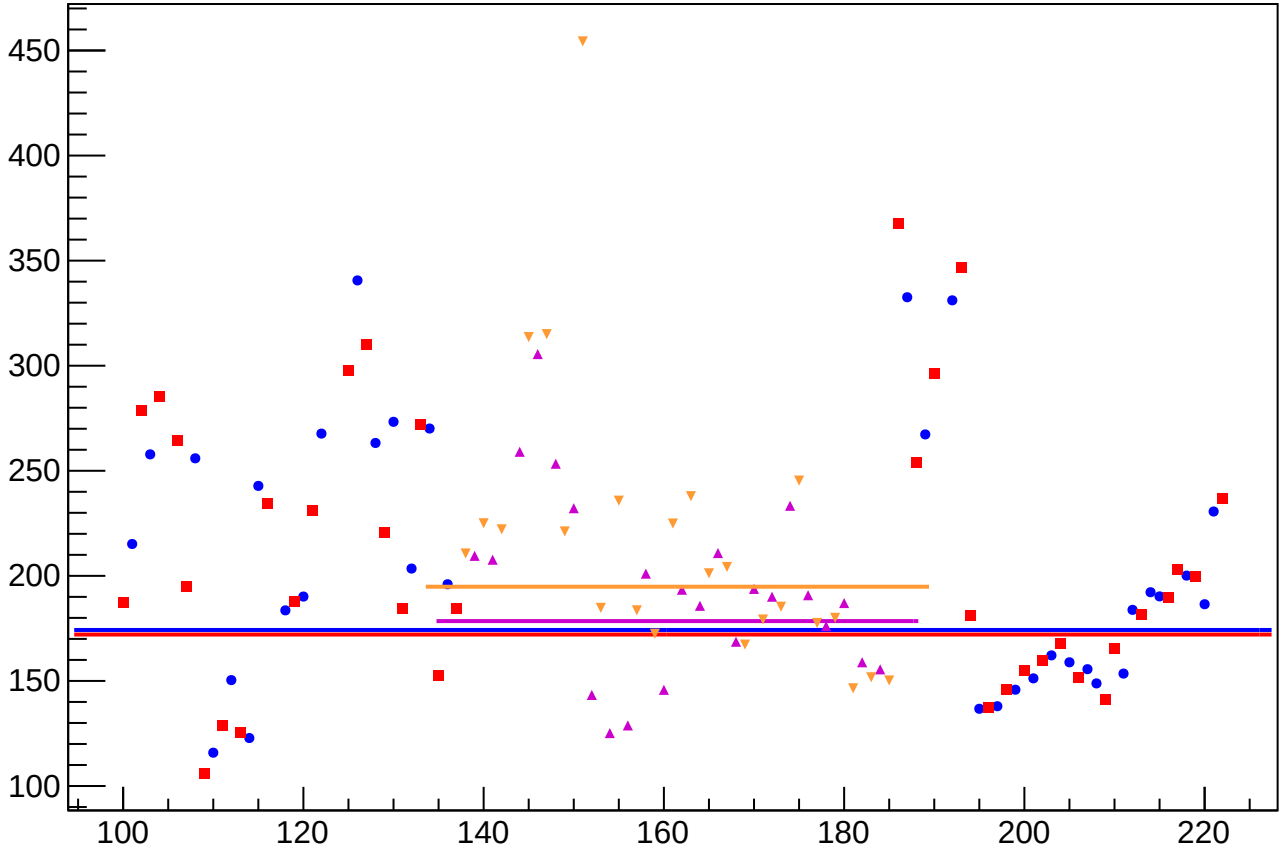
Right: -259.826+/-27.284 χ^2/NDF: 86.8/69

In: -81.270+/-28.887 χ^2/NDF:80.5/56

Out: -110.397+/-29.815 χ^2/NDF:109.7/59

All: -95.373+/-20.746 χ^2/NDF: 190.7/116

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



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: 172.085+/-0.027 χ^2/NDF: 3060261.8/35

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

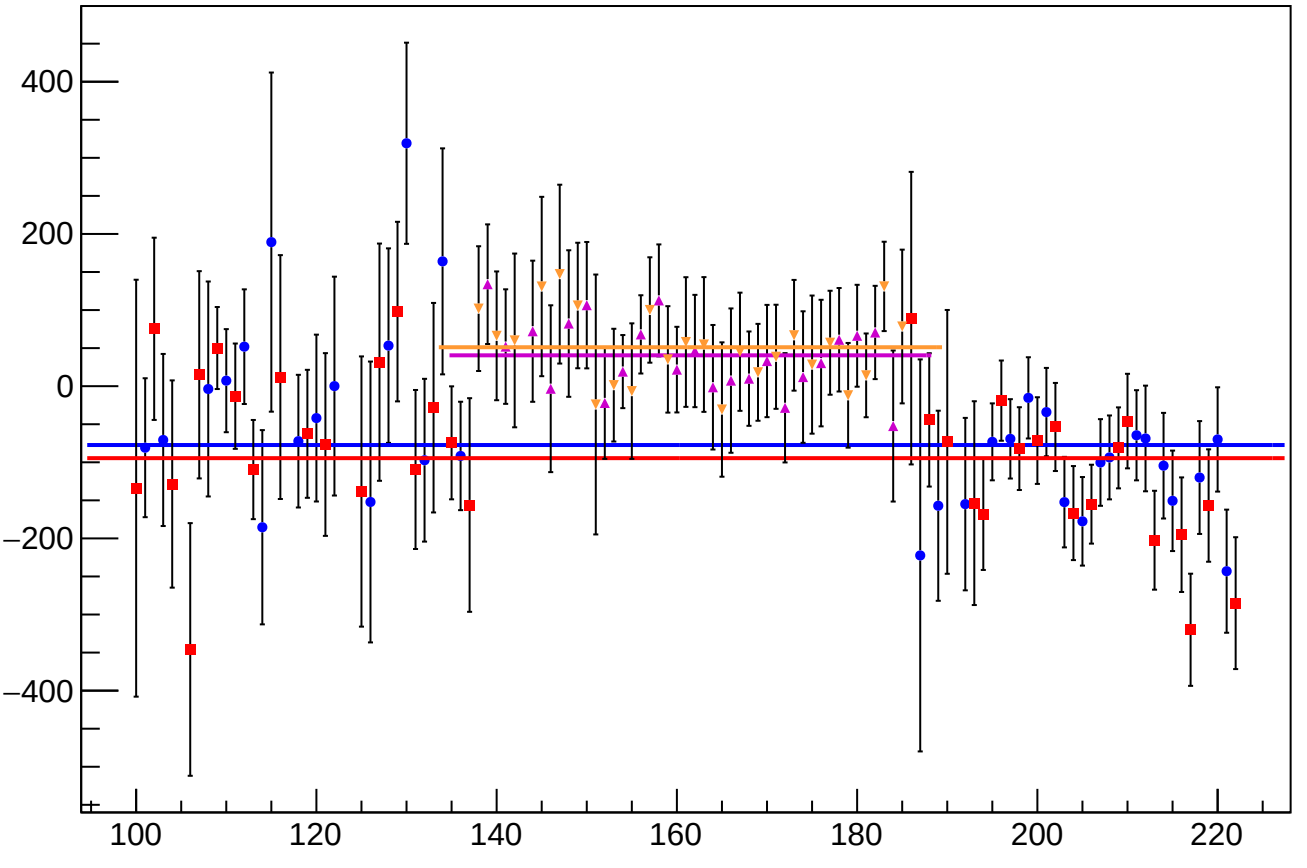
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 173.170+/-0.019 χ^2/NDF: 5552202.5/69

In: 176.106+/-0.020 χ^2/NDF:4175576.1/56

Out: 181.265+/-0.021 χ^2/NDF:5092872.9/59

All: 178.604+/-0.015 χ^2/NDF: 9299338.6/116



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: -94.560+/-13.258 χ^2/NDF: 46.3/35

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

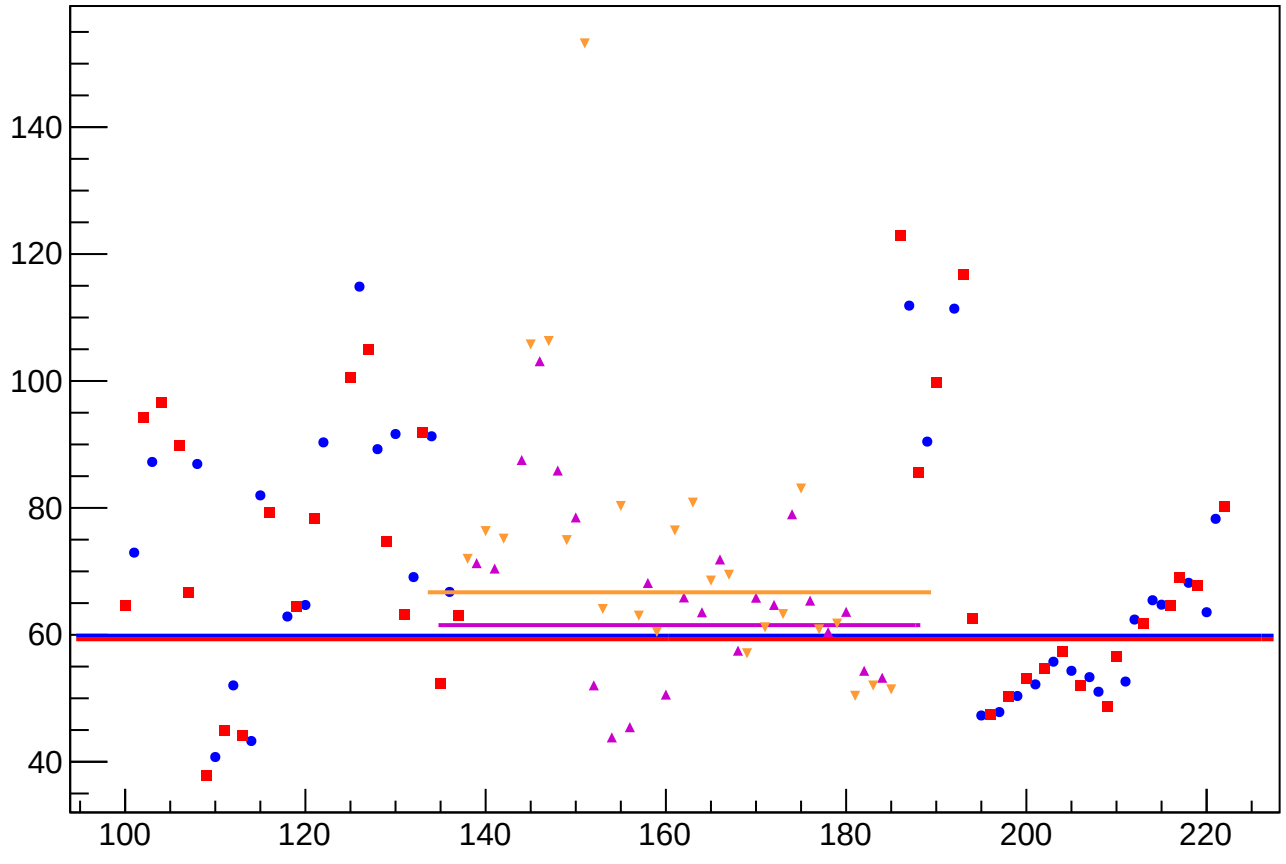
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -85.908+/-9.361 χ^2/NDF: 81.3/69

In: -25.712+/-9.910 χ^2/NDF:76.8/56

Out: -35.398+/-10.218 χ^2/NDF:103.5/59

All: -30.407+/-7.114 χ^2/NDF: 180.8/116



Right In: 59.866+/-0.009 χ^2/NDF: 2325340.7/33

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.300+/-0.009 χ^2/NDF: 2833430.3/35

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

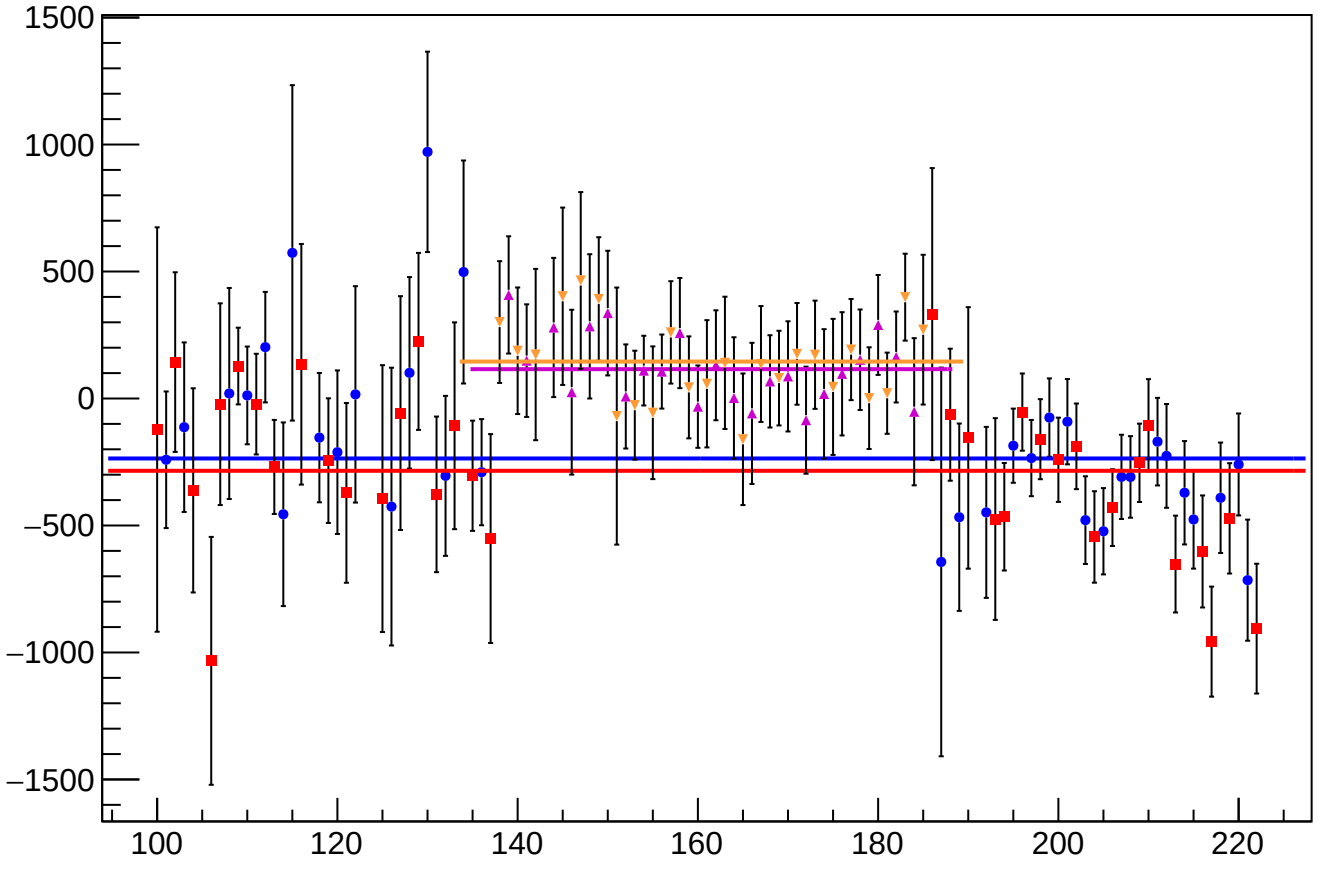
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.584+/-0.007 χ^2/NDF: 5160597.4/69

In: 60.594+/-0.007 χ^2/NDF:3829048.4/56

Out: 62.306+/-0.007 χ^2/NDF:4762905.7/59

All: 61.424+/-0.005 χ^2/NDF: 8620872.8/116



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: -284.632+/-38.560 χ^2/NDF: 49.9/35

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

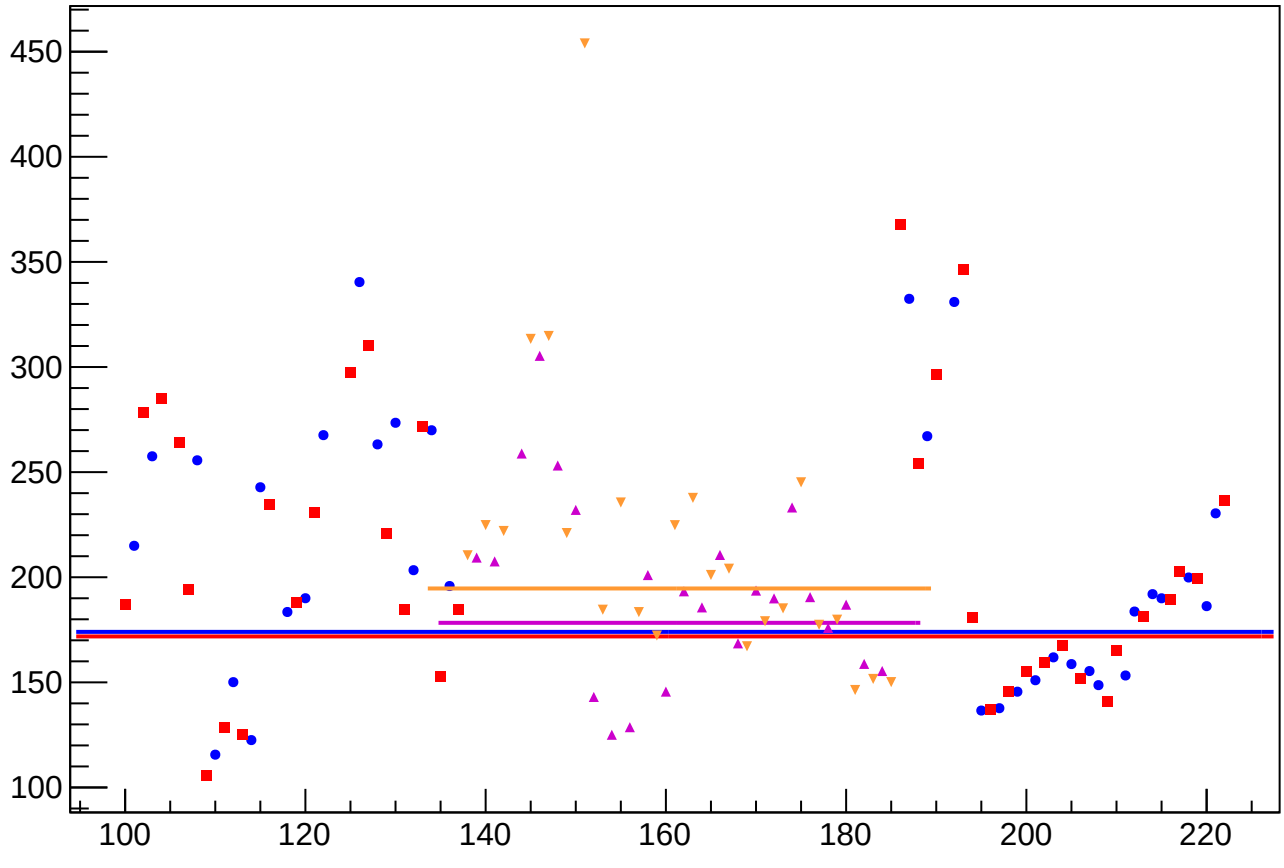
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -260.350+/-27.250 χ^2/NDF: 87.4/69

In: -81.884+/-28.856 χ^2/NDF:81.0/56

Out: -111.108+/-29.783 χ^2/NDF:110.3/59

All: -96.034+/-20.724 χ^2/NDF: 191.8/116



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: 171.851+/-0.027 χ^2/NDF: 3069382.1/35

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

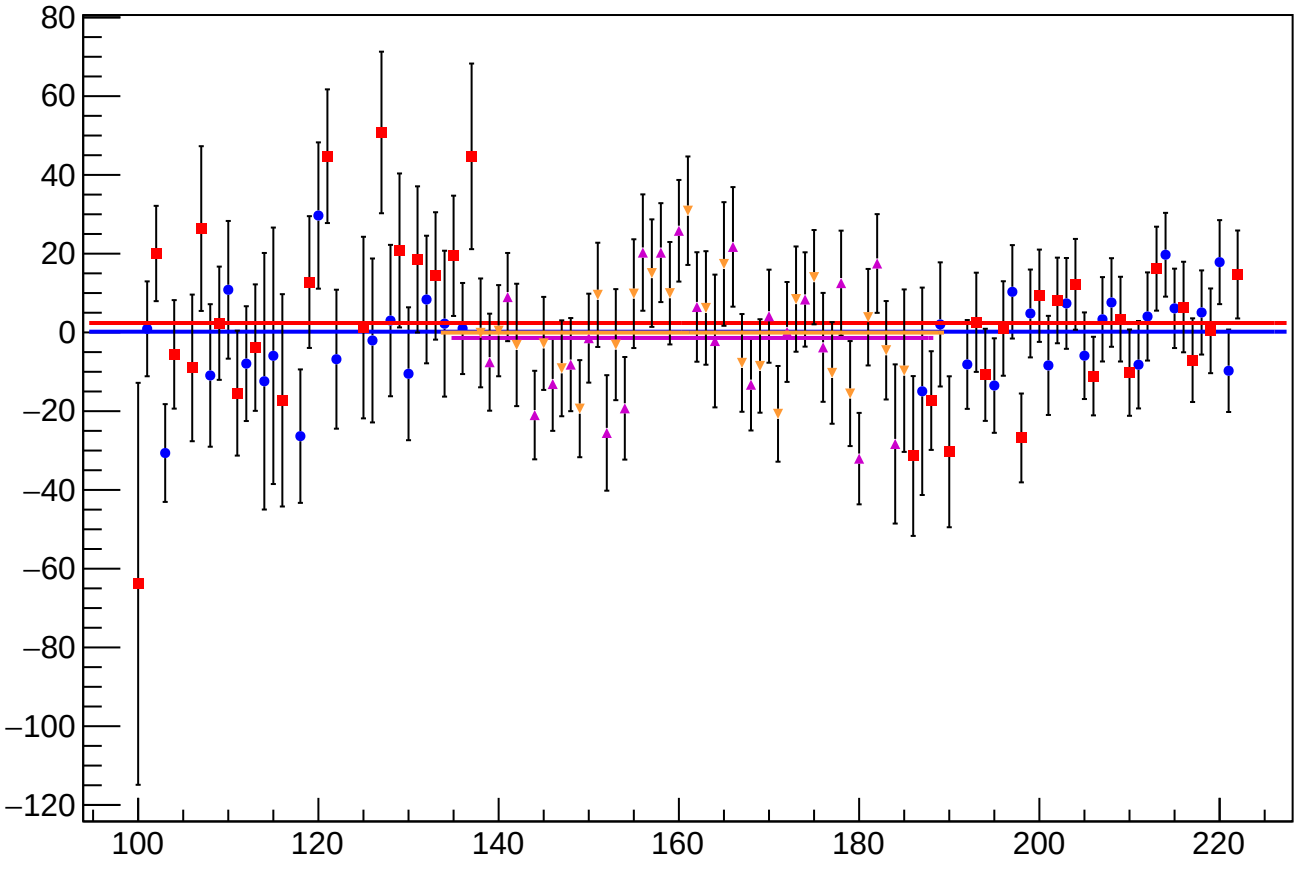
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 172.936+/-0.019 χ^2/NDF: 5568226.8/69

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 181.053+/-0.021 χ^2/NDF:5104814.3/59

All: 178.397+/-0.015 χ^2/NDF: 9320588.0/116



Right In: 0.184+/-2.269 χ^2/NDF: 26.3/33

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 2.392+/-2.291 χ^2/NDF: 51.1/35

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

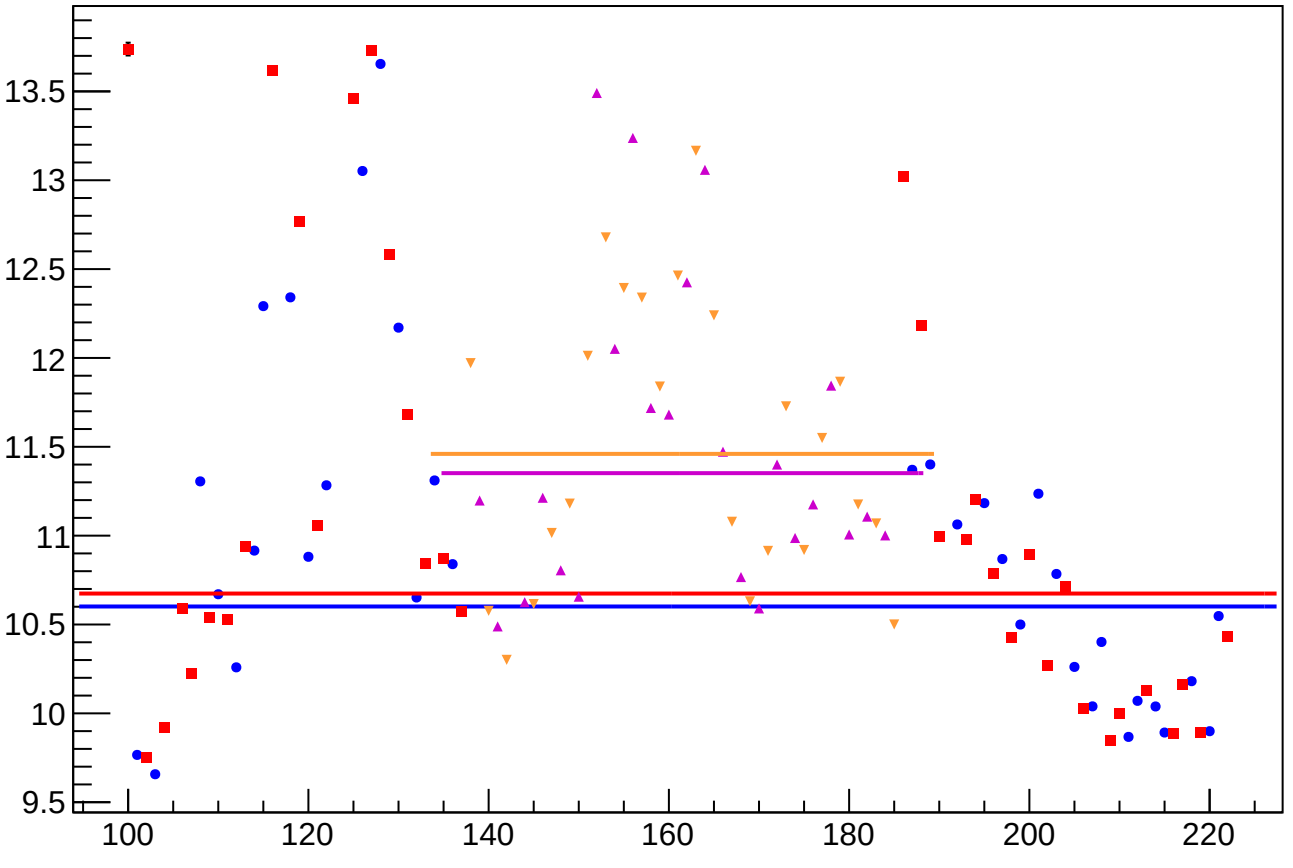
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 1.278+/-1.612 χ^2/NDF: 77.8/69

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.365+/-1.743 χ^2/NDF:72.0/59

All: 0.435+/-1.228 χ^2/NDF: 135.4/116



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: 10.674+/-0.002 χ^2/NDF: 307054.7/35

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

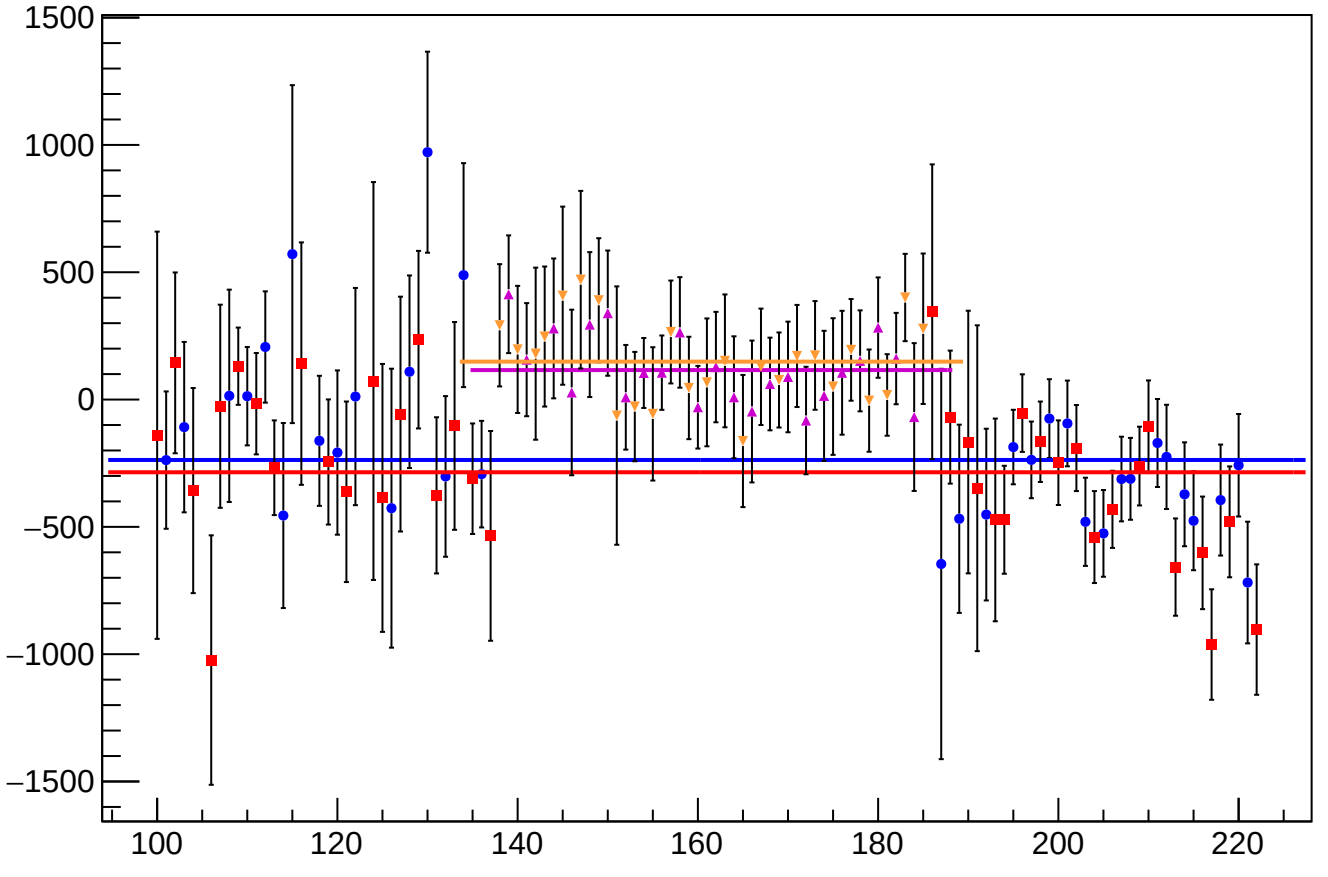
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.637+/-0.001 χ^2/NDF: 533005.2/69

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.005+/-0.001 χ^2/NDF:556642.2/59

All: 10.960+/-0.001 χ^2/NDF: 1046354.4/116



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: -285.562+/-38.544 χ^2/NDF: 50.2/37

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

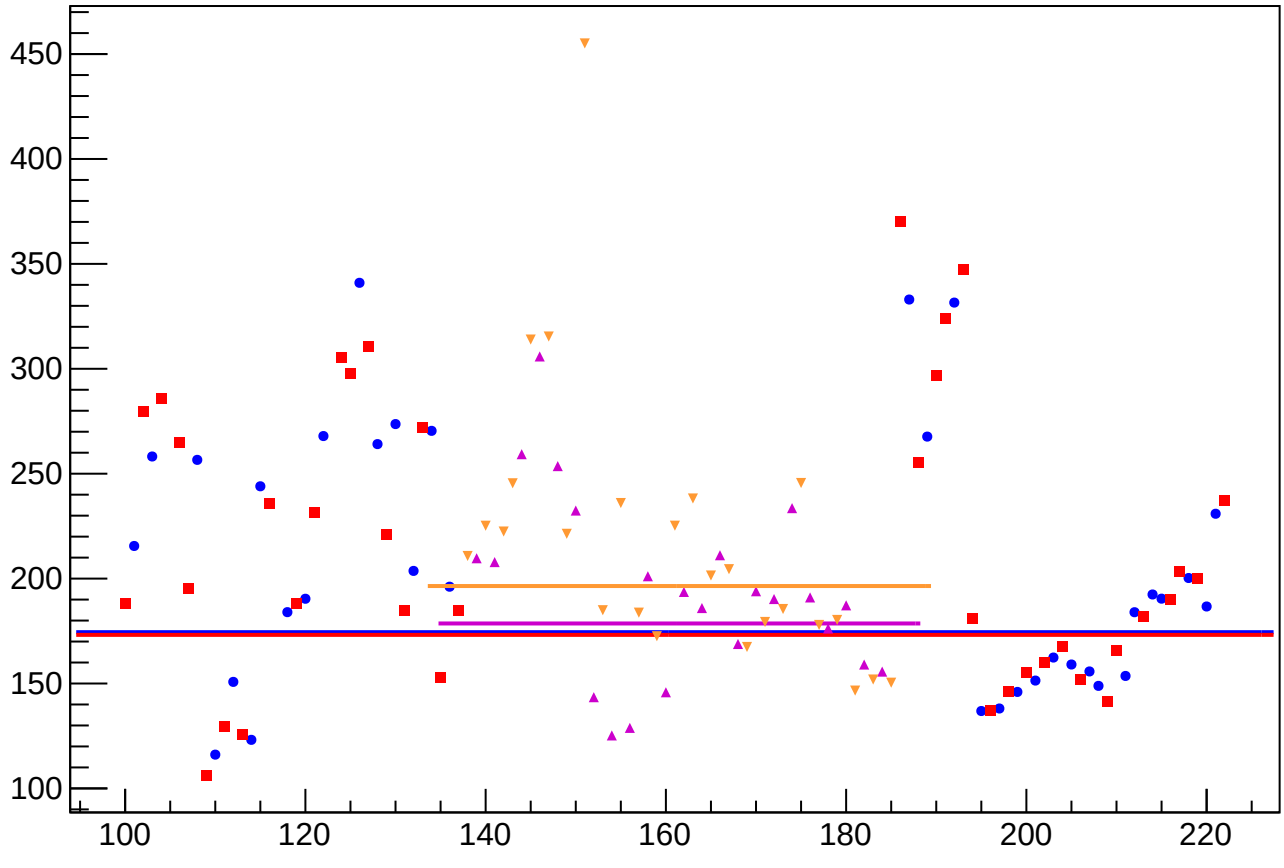
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -261.466+/-27.278 χ^2/NDF: 87.7/71

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -107.744+/-29.625 χ^2/NDF:112.6/62

All: -94.714+/-20.693 χ^2/NDF: 194.3/119



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: 173.185+/-0.027 χ^2/NDF: 3235108.5/37

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

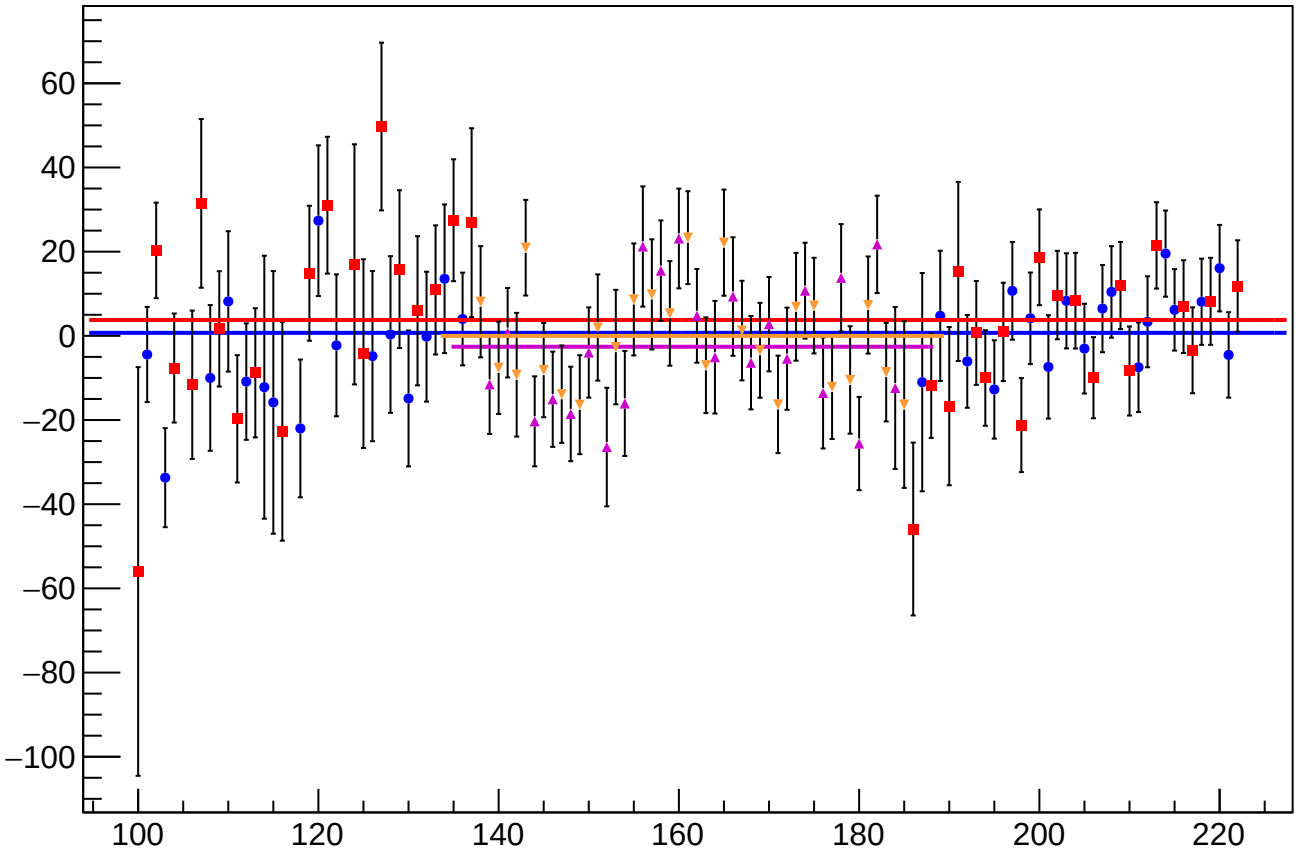
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.821+/-0.019 χ^2/NDF: 5726629.5/71

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 182.708+/-0.021 χ^2/NDF:5352192.6/62

All: 179.419+/-0.015 χ^2/NDF: 9579807.1/119



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: 3.770+/-2.193 χ^2/NDF: 50.5/37

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

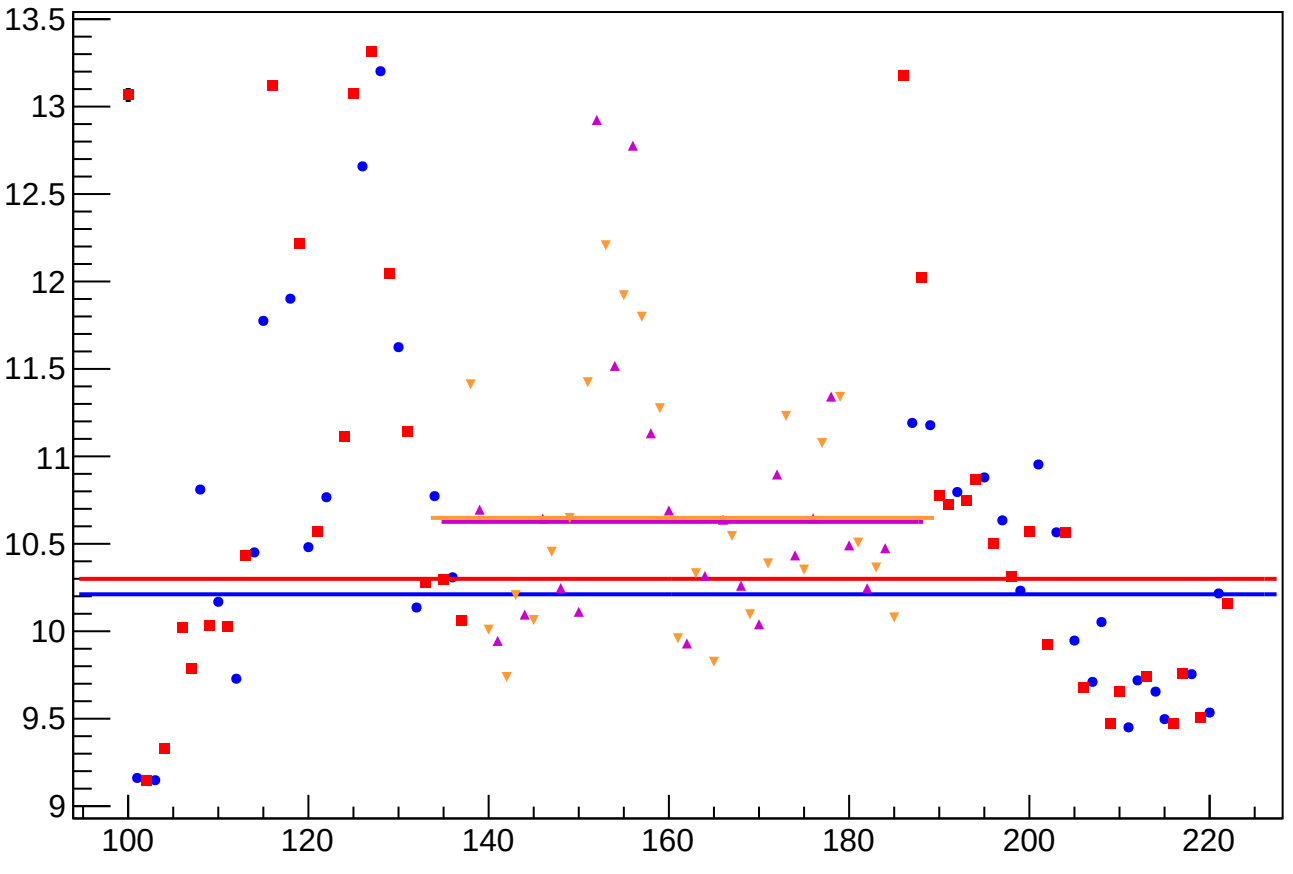
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 2.238+/-1.549 χ^2/NDF: 80.1/71

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 2.082+/-1.632 χ^2/NDF:75.6/62

All: 0.696+/-1.160 χ^2/NDF: 141.4/119



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: 10.300+/-0.002 χ^2/NDF: 351364.5/37

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

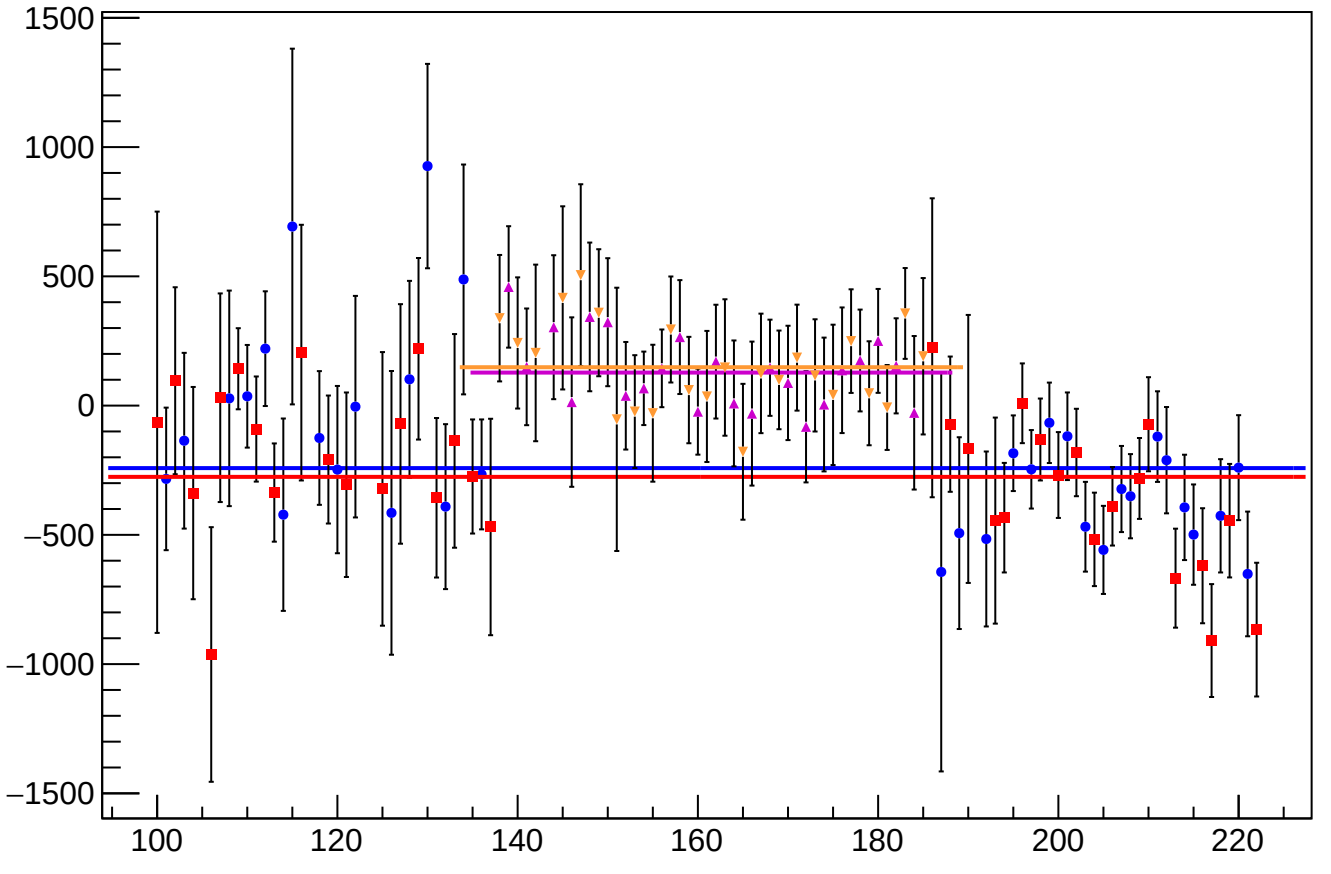
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.255+/-0.001 χ^2/NDF: 603940.7/71

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.455+/-0.001 χ^2/NDF:517429.6/62

All: 10.423+/-0.001 χ^2/NDF: 960491.2/119



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: -275.682+/-39.007 χ^2/NDF: 46.4/35

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

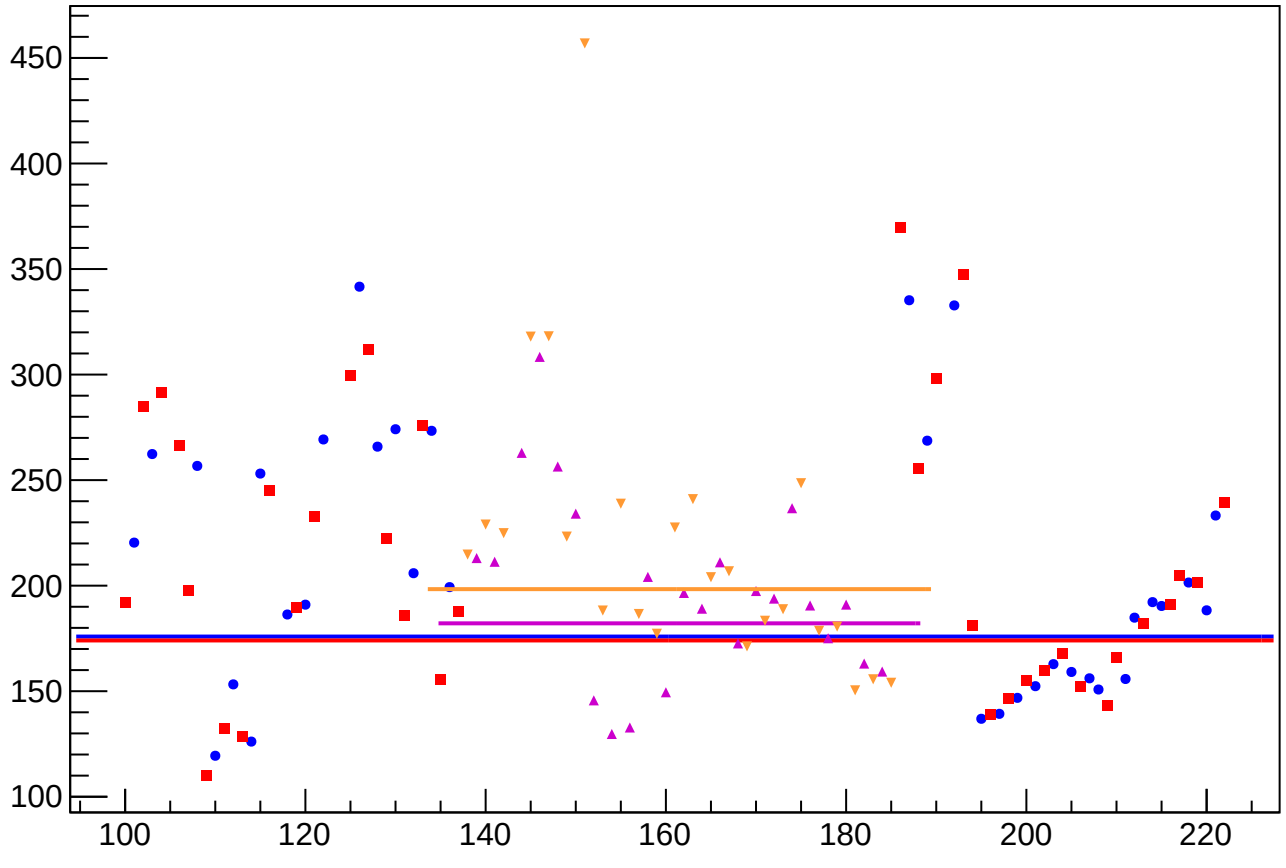
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -258.690+/-27.548 χ^2/NDF: 84.4/69

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -105.807+/-30.201 χ^2/NDF:103.6/59

All: -93.212+/-21.019 χ^2/NDF: 188.5/116



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: 174.043+/-0.028 χ^2/NDF: 2998074.6/35

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

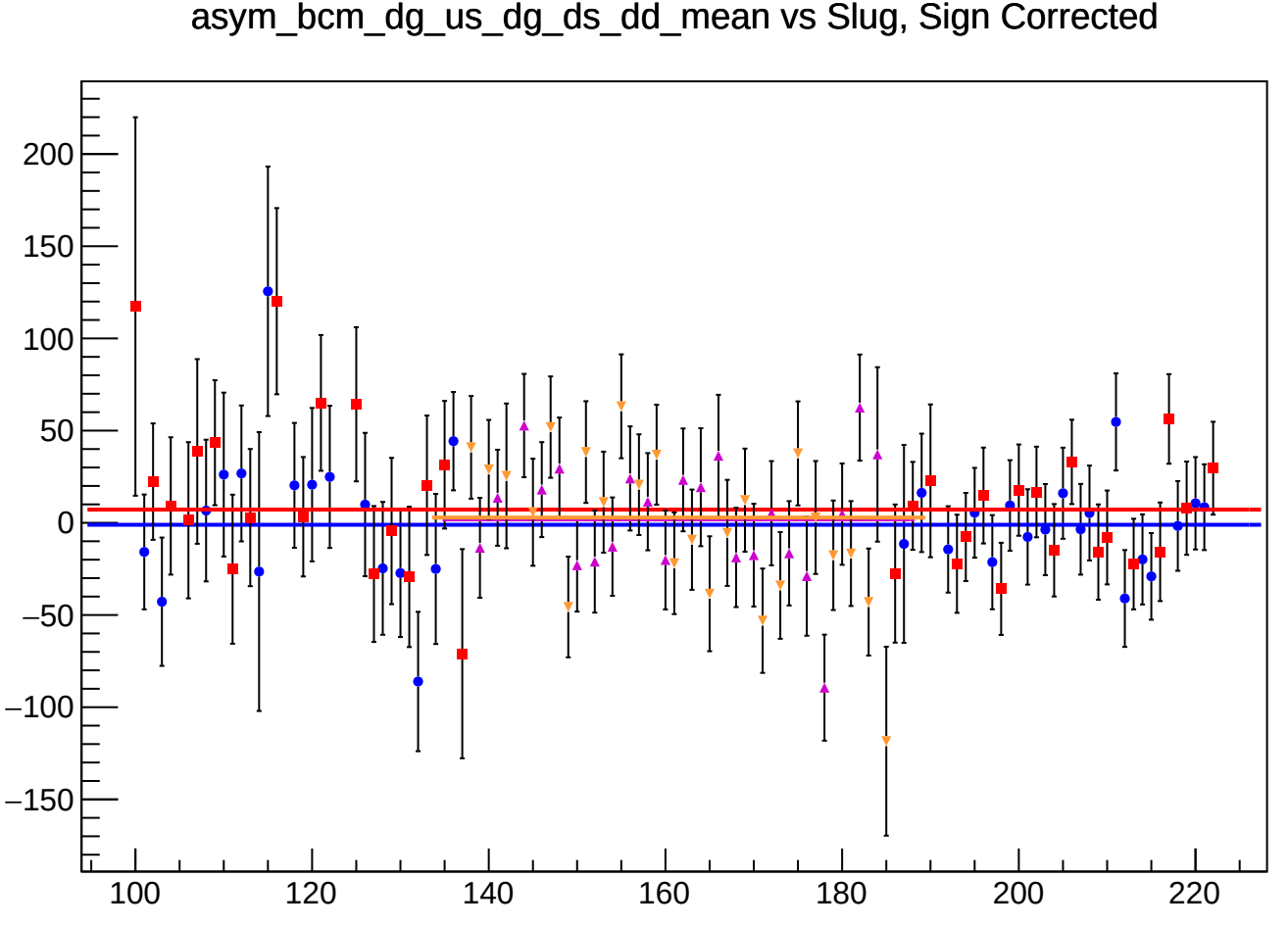
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

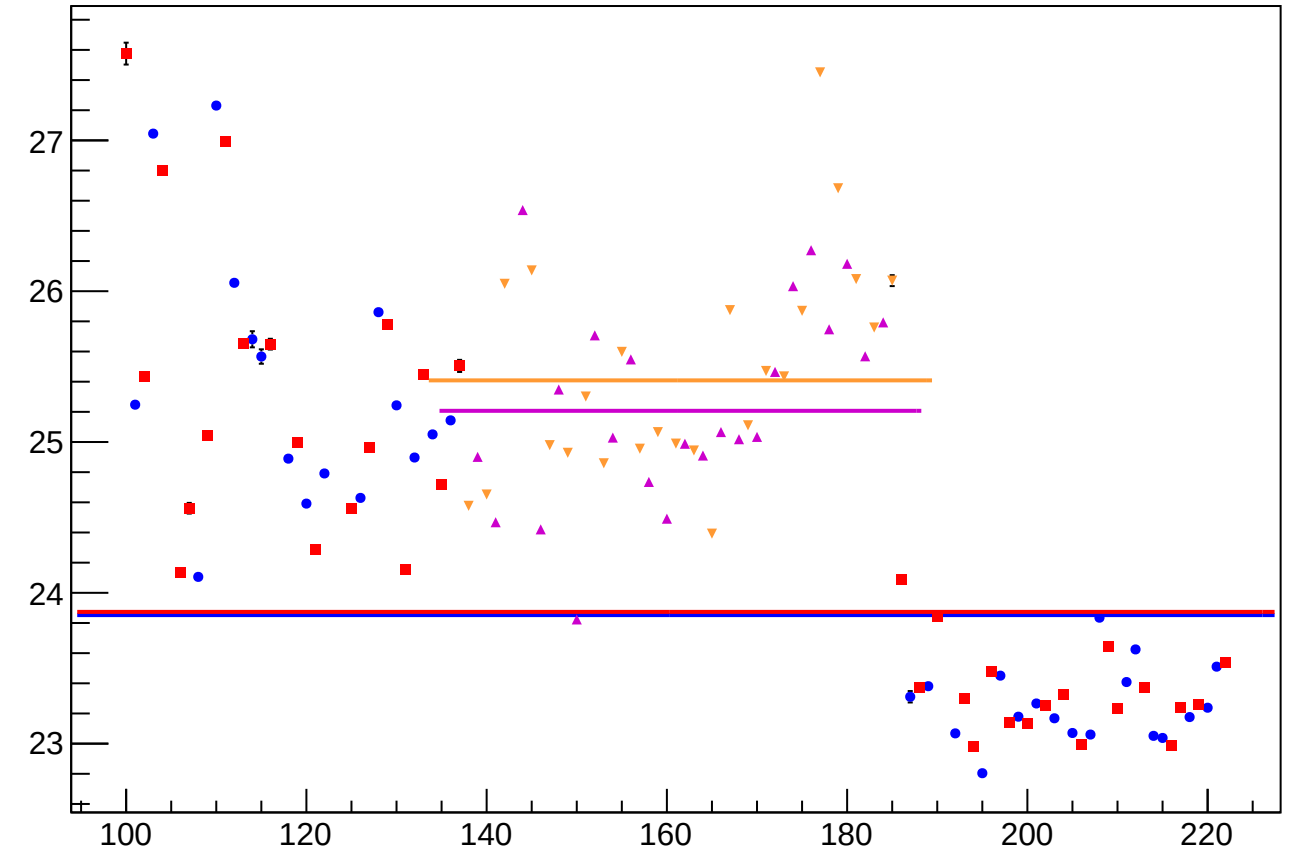
Right: 174.966+/-0.019 χ^2/NDF: 5473389.5/69

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 183.779+/-0.021 χ^2/NDF:5006227.1/59

All: 181.111+/-0.015 χ^2/NDF: 9116459.0/116


asym_bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -1.064+/-5.081 χ²/NDF: 28.1/33
Left Out: 2.851+/-5.904 χ²/NDF:36.9/23
Right Out: 7.162+/-5.092 χ²/NDF: 33.6/35
Left In: 1.850+/-5.893 χ²/NDF:28.1/22
Left: 2.349+/-4.171 χ²/NDF: 65.0/46
Right: 3.040+/-3.597 χ²/NDF: 63.1/69
In: 0.179+/-3.848 χ²/NDF:56.4/56
Out: 5.323+/-3.856 χ²/NDF:70.9/59
All: 2.745+/-2.724 χ²/NDF: 128.1/116



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: 23.874+/-0.004 χ^2/NDF: 78777.4/35

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

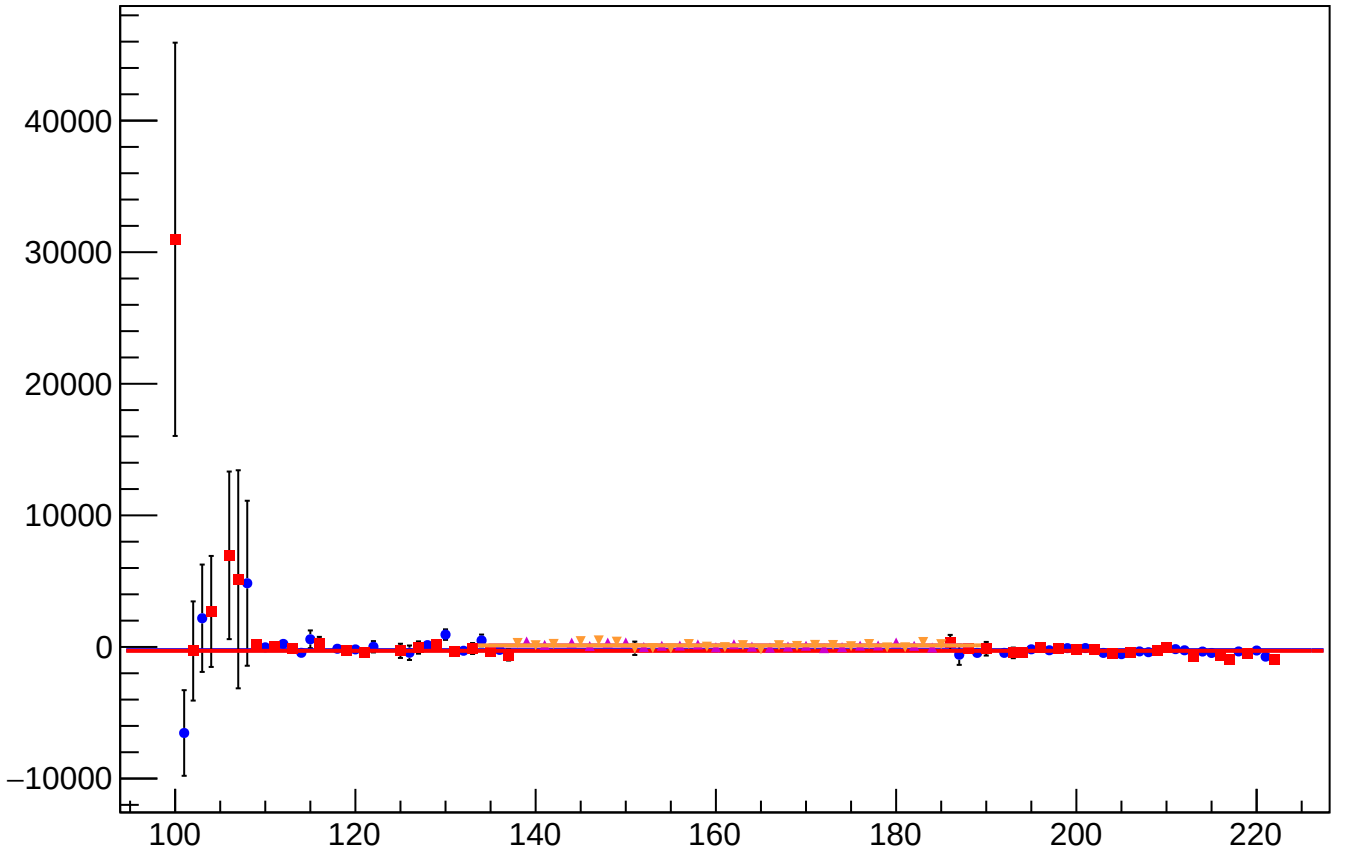
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 23.863+/-0.003 χ^2/NDF: 166445.6/69

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.528+/-0.003 χ^2/NDF:183158.9/59

All: 24.479+/-0.002 χ^2/NDF: 357898.5/116



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: -294.093+/-40.885 χ^2/NDF: 53.8/35

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

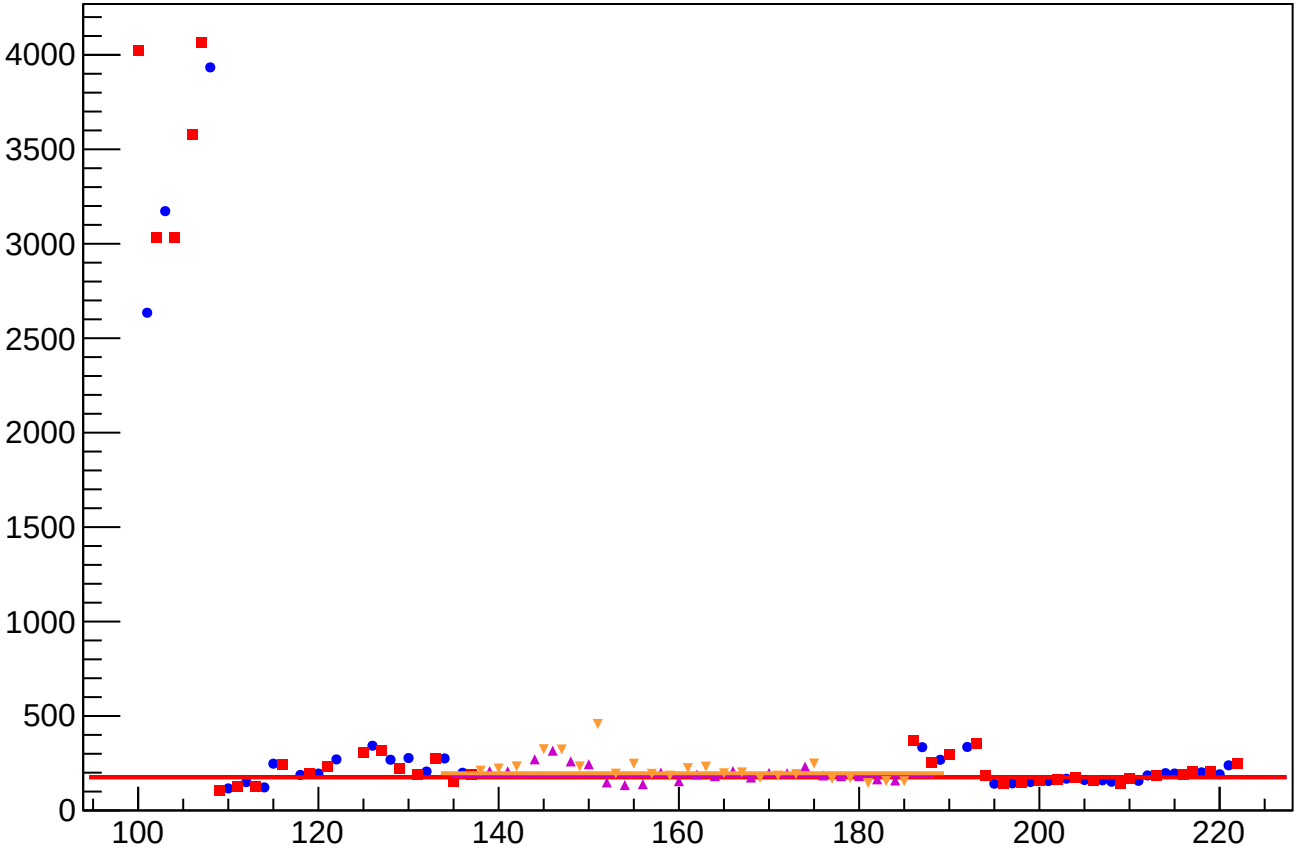
Right: -268.062+/-28.706 χ^2/NDF: 94.7/69

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -117.516+/-30.970 χ^2/NDF:109.5/59

All: -99.203+/-21.535 χ^2/NDF: 194.2/116

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



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: 175.449+/-0.029 χ^2/NDF: 5694367.6/35

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

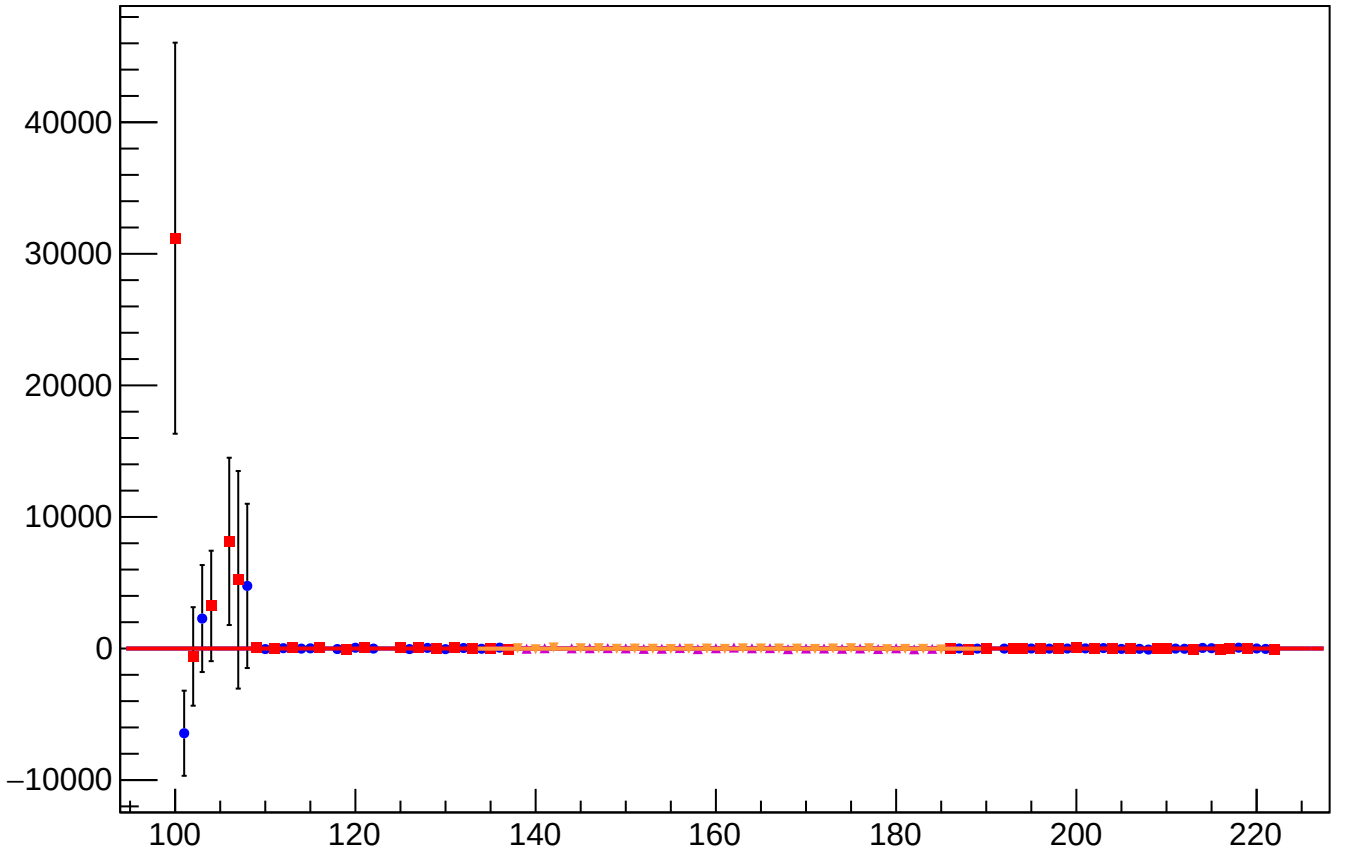
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 175.937+/-0.020 χ^2/NDF: 10824612.3/69

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 184.606+/-0.022 χ^2/NDF:7739048.1/59

All: 182.140+/-0.015 χ^2/NDF: 14370844.5/1



Right In: 0.545+/-6.048 χ^2/NDF: 39.2/33

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 0.828+/-6.171 χ^2/NDF: 43.6/35

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

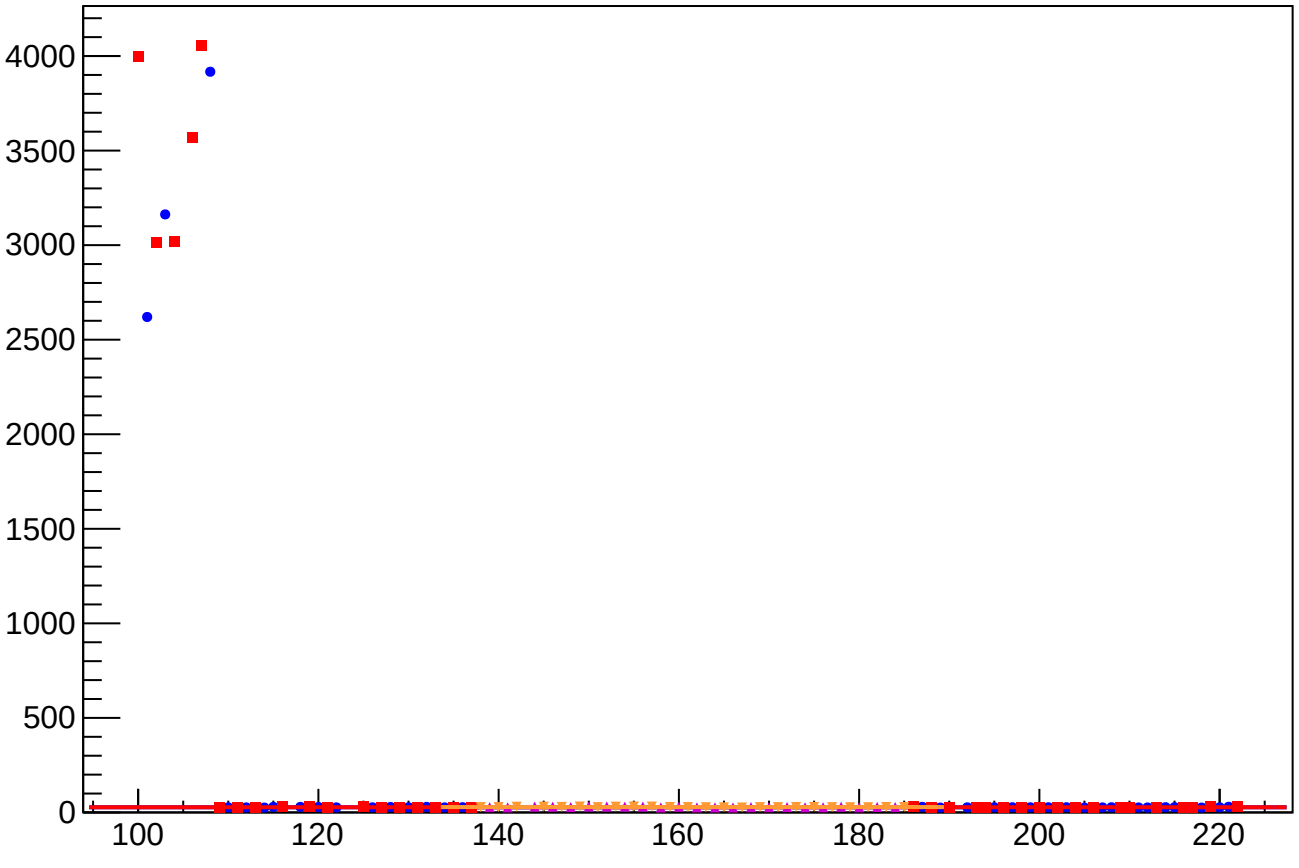
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 0.684+/-4.320 χ^2/NDF: 82.8/69

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -4.694+/-4.524 χ^2/NDF:62.8/59

All: -1.603+/-3.190 χ^2/NDF: 125.2/116



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: 27.489+/-0.004 χ^2/NDF: 3670676.3/35

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

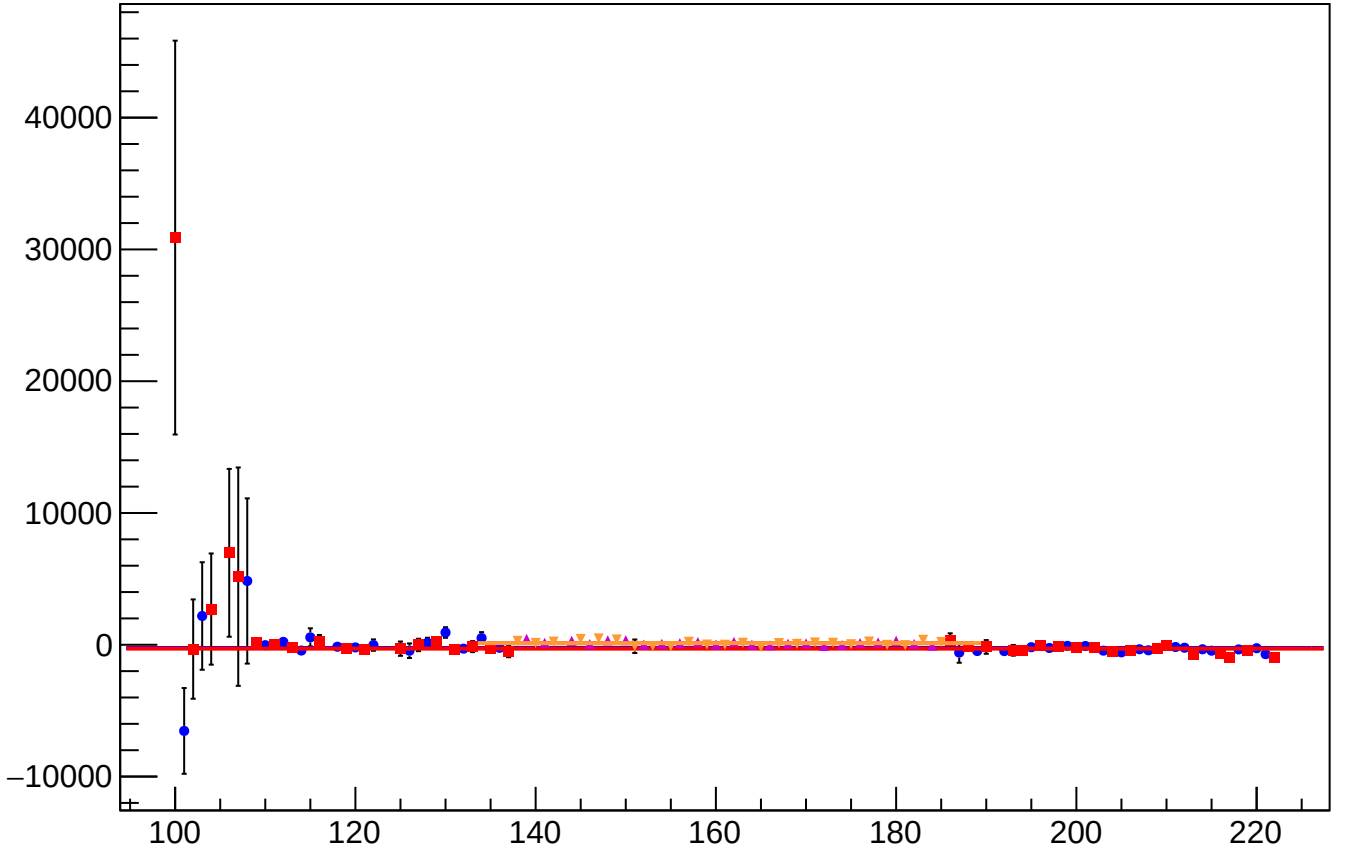
Right: 27.401+/-0.003 χ^2/NDF: 6984151.7/69

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 27.999+/-0.003 χ^2/NDF:3781257.0/59

All: 27.973+/-0.002 χ^2/NDF: 7270028.0/116

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



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: -291.021+/-41.049 χ^2/NDF: 52.0/35

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

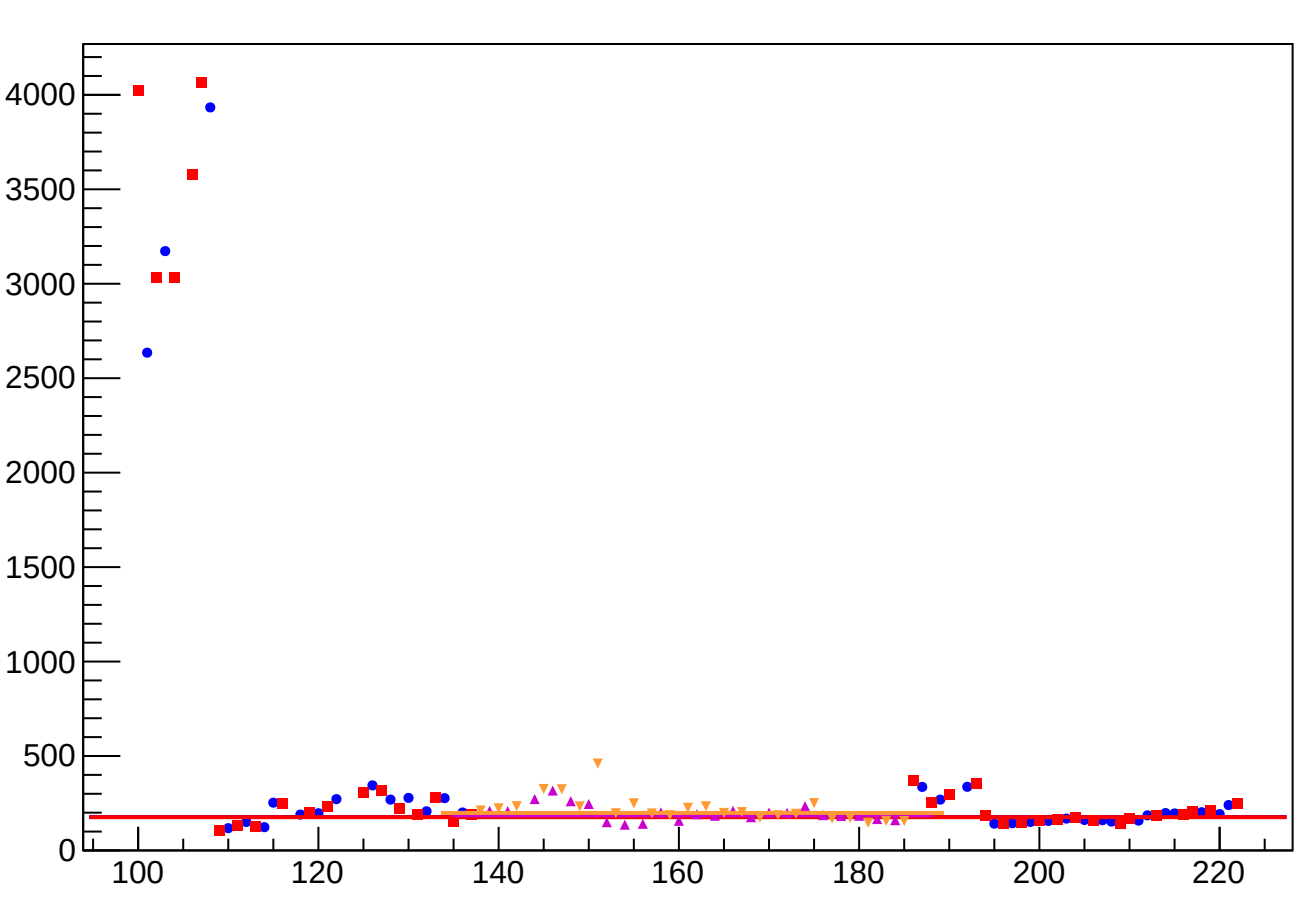
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -268.088+/-28.825 χ^2/NDF: 92.2/69

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -114.078+/-31.156 χ^2/NDF:107.4/59

All: -97.361+/-21.669 χ^2/NDF: 192.5/116



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: 176.191+/-0.029 χ^2/NDF: 5682886.9/35

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

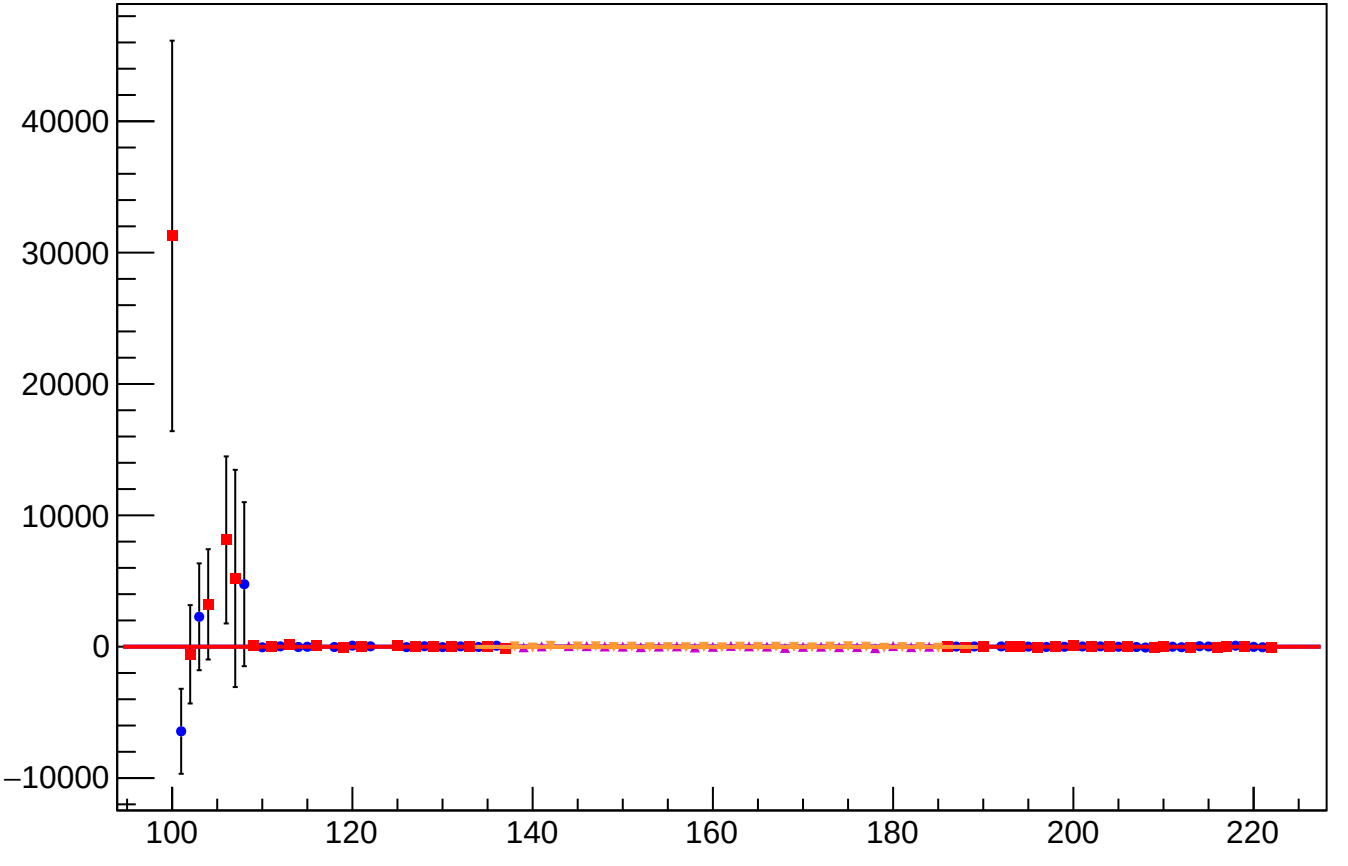
Right: 176.690+/-0.020 χ^2/NDF: 10808348.4/69

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 185.748+/-0.022 χ^2/NDF:7725040.7/59

All: 183.321+/-0.015 χ^2/NDF: 14320049.2/11

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: -4.623+/-6.796 χ^2/NDF: 48.3/35

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

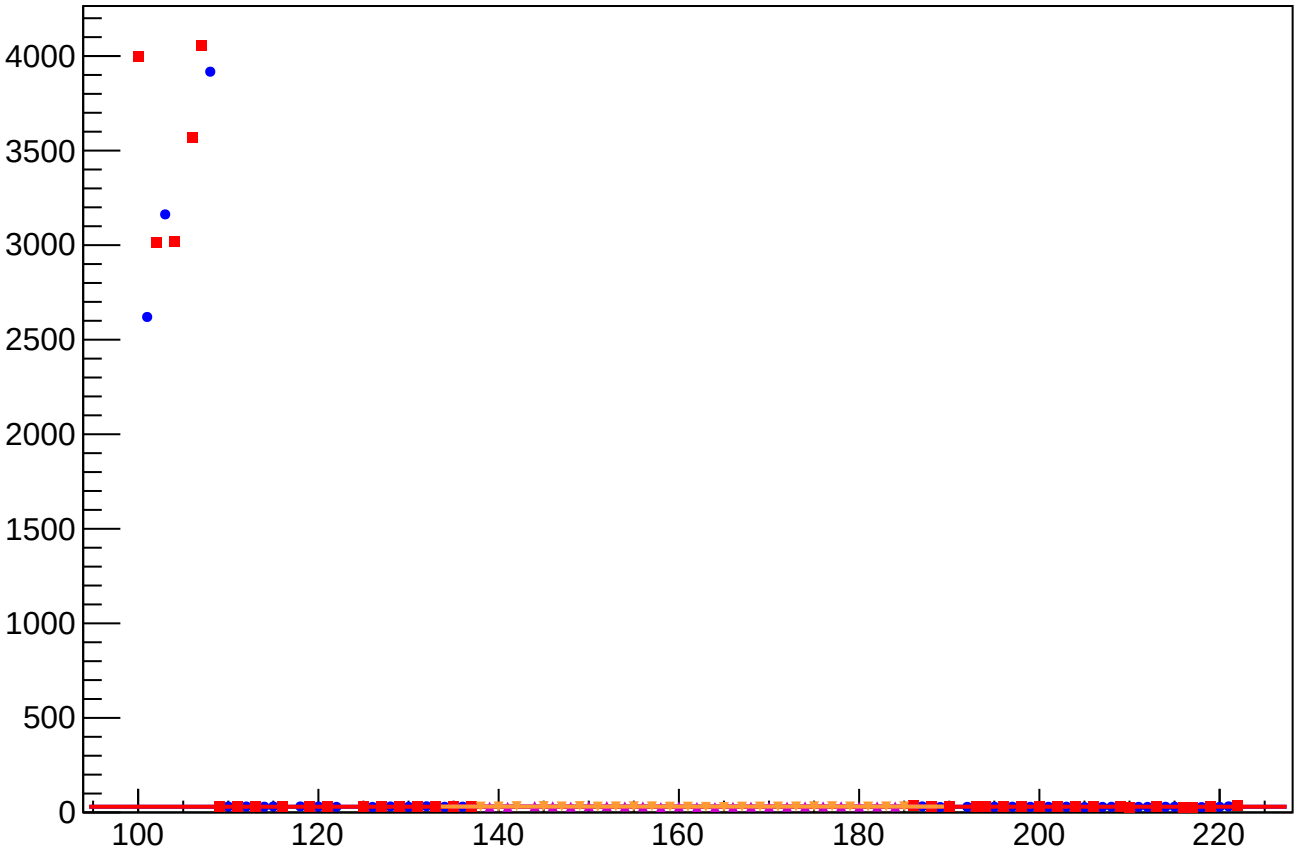
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: -0.051+/-4.757 χ^2/NDF: 83.2/69

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -10.958+/-4.961 χ^2/NDF:70.5/59

All: -4.866+/-3.499 χ^2/NDF: 143.6/116



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: 30.297+/-0.005 χ^2/NDF: 3622939.8/35

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

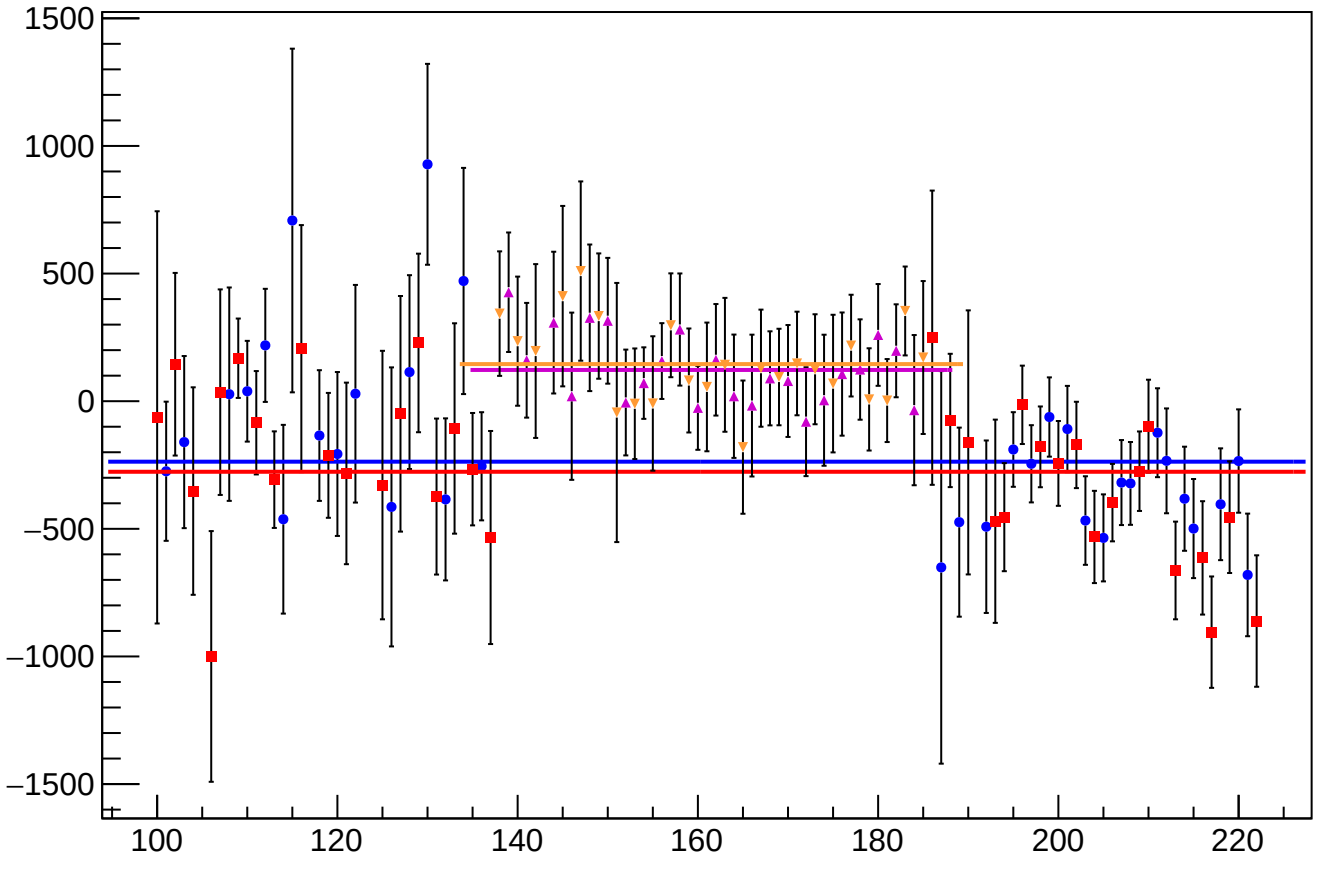
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.194+/-0.003 χ^2/NDF: 6915777.4/69

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.729+/-0.004 χ^2/NDF:3687655.3/59

All: 30.701+/-0.002 χ^2/NDF: 7098525.6/116



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: -276.477+/-38.884 χ^2/NDF: 47.7/35

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

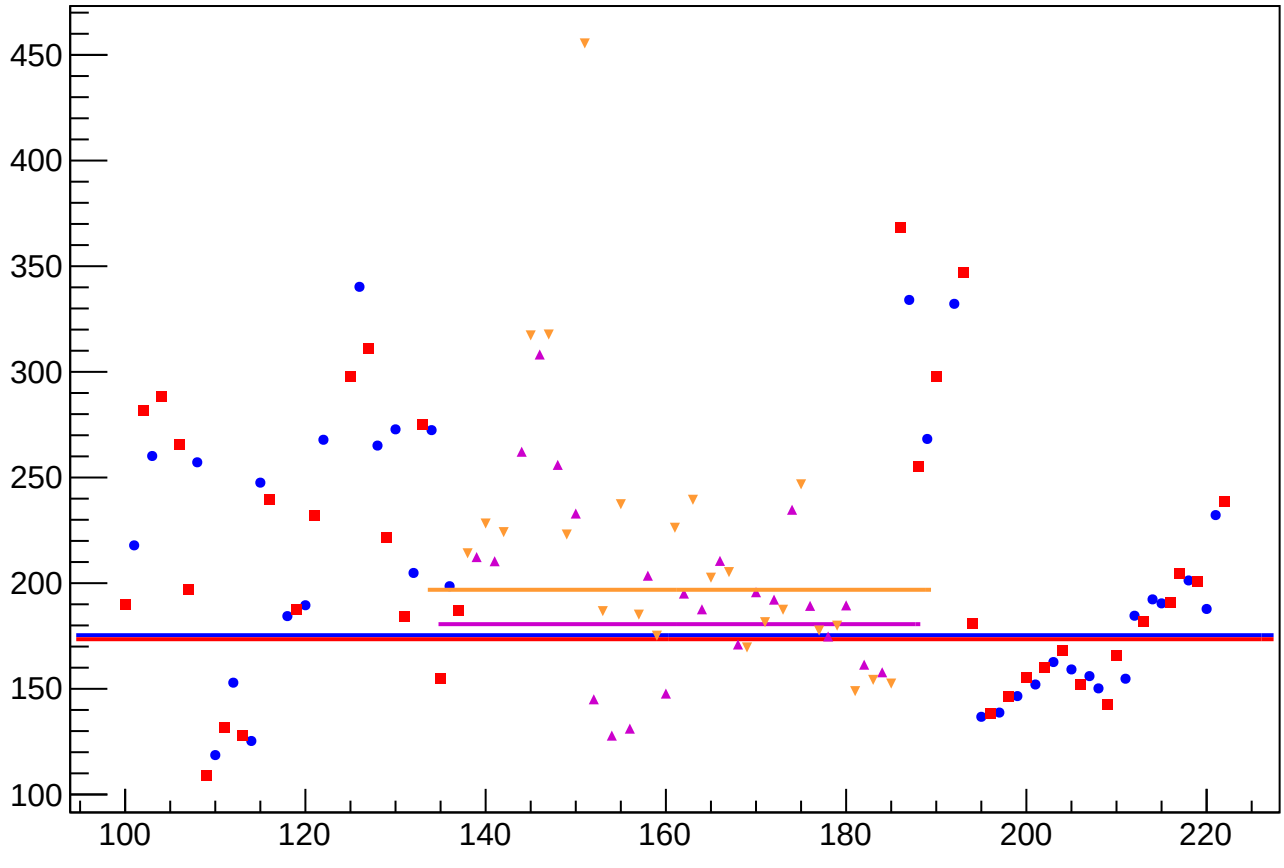
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -256.672+/-27.465 χ^2/NDF: 85.5/69

In: -80.104+/-29.124 χ^2/NDF:82.7/56

Out: -106.766+/-30.060 χ^2/NDF:104.4/59

All: -93.013+/-20.917 χ^2/NDF: 187.5/116



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: 173.477+/-0.027 χ^2/NDF: 2995716.9/35

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

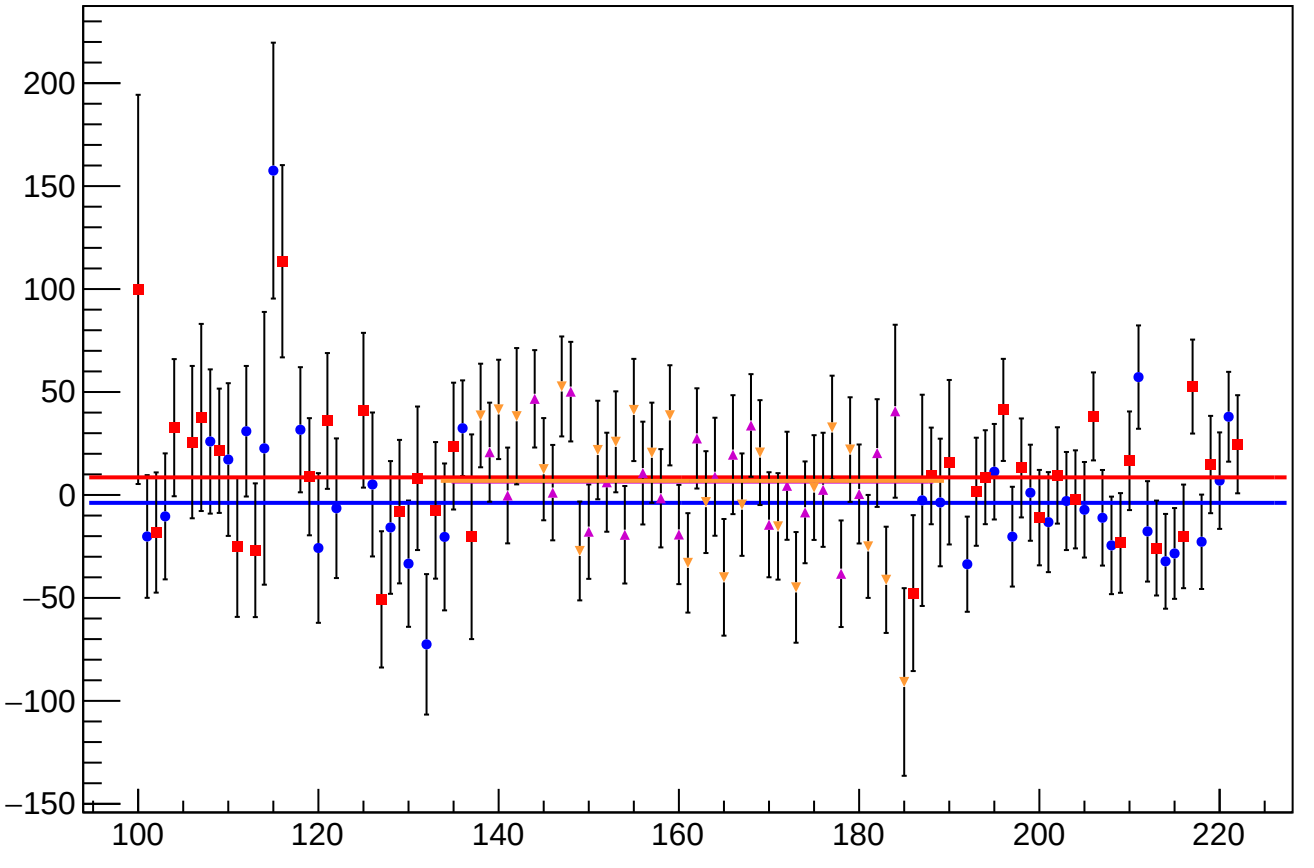
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 174.428+/-0.019 χ^2/NDF: 5464505.9/69

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 182.890+/-0.021 χ^2/NDF:5012158.1/59

All: 180.191+/-0.015 χ^2/NDF: 9153746.2/116



Right In: -3.831+/-4.716 χ^2/NDF: 36.3/33

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 8.547+/-4.742 χ^2/NDF: 32.6/35

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

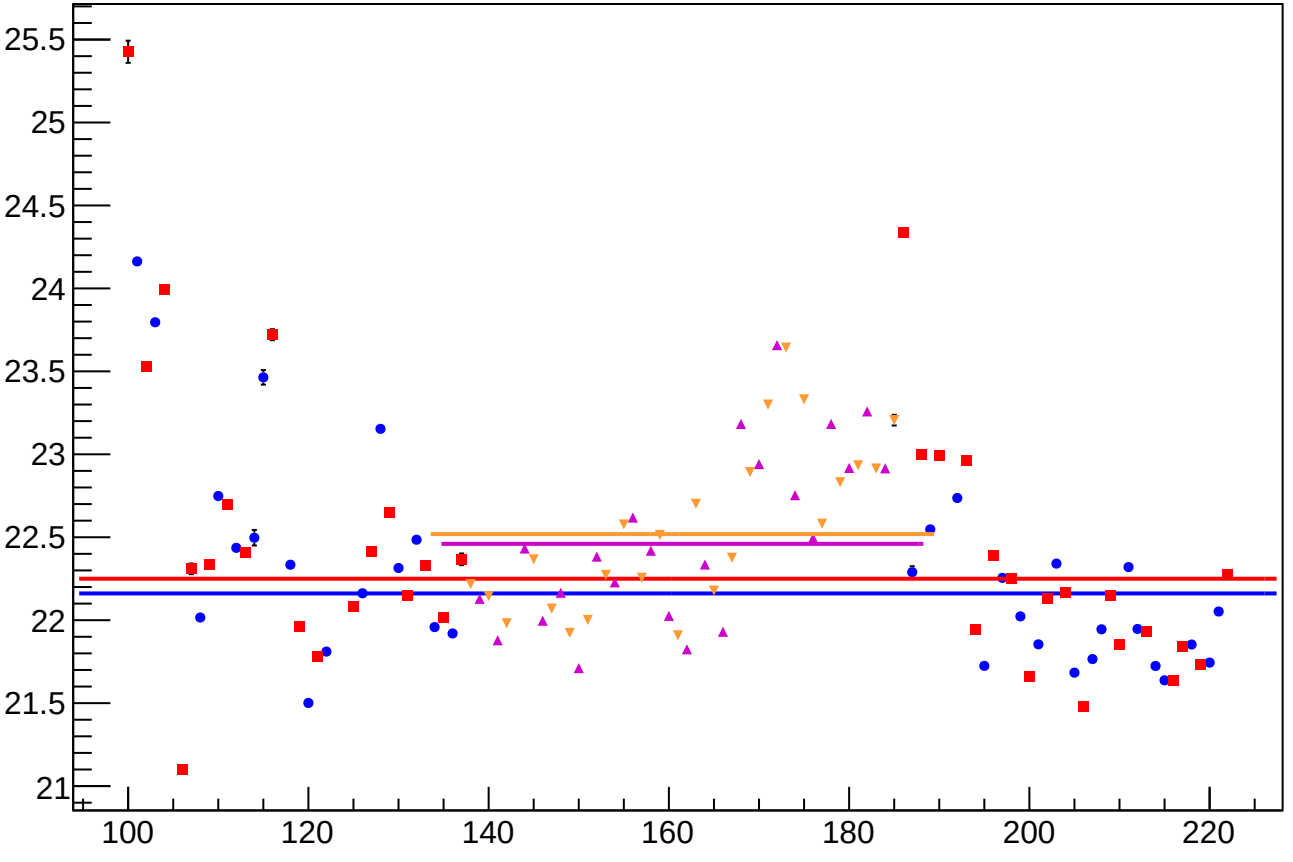
Right: 2.324+/-3.344 χ^2/NDF: 72.3/69

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.784+/-3.513 χ^2/NDF:69.5/59

All: 4.276+/-2.482 χ^2/NDF: 127.3/116

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: 22.250+/-0.003 χ^2/NDF: 35473.0/35

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

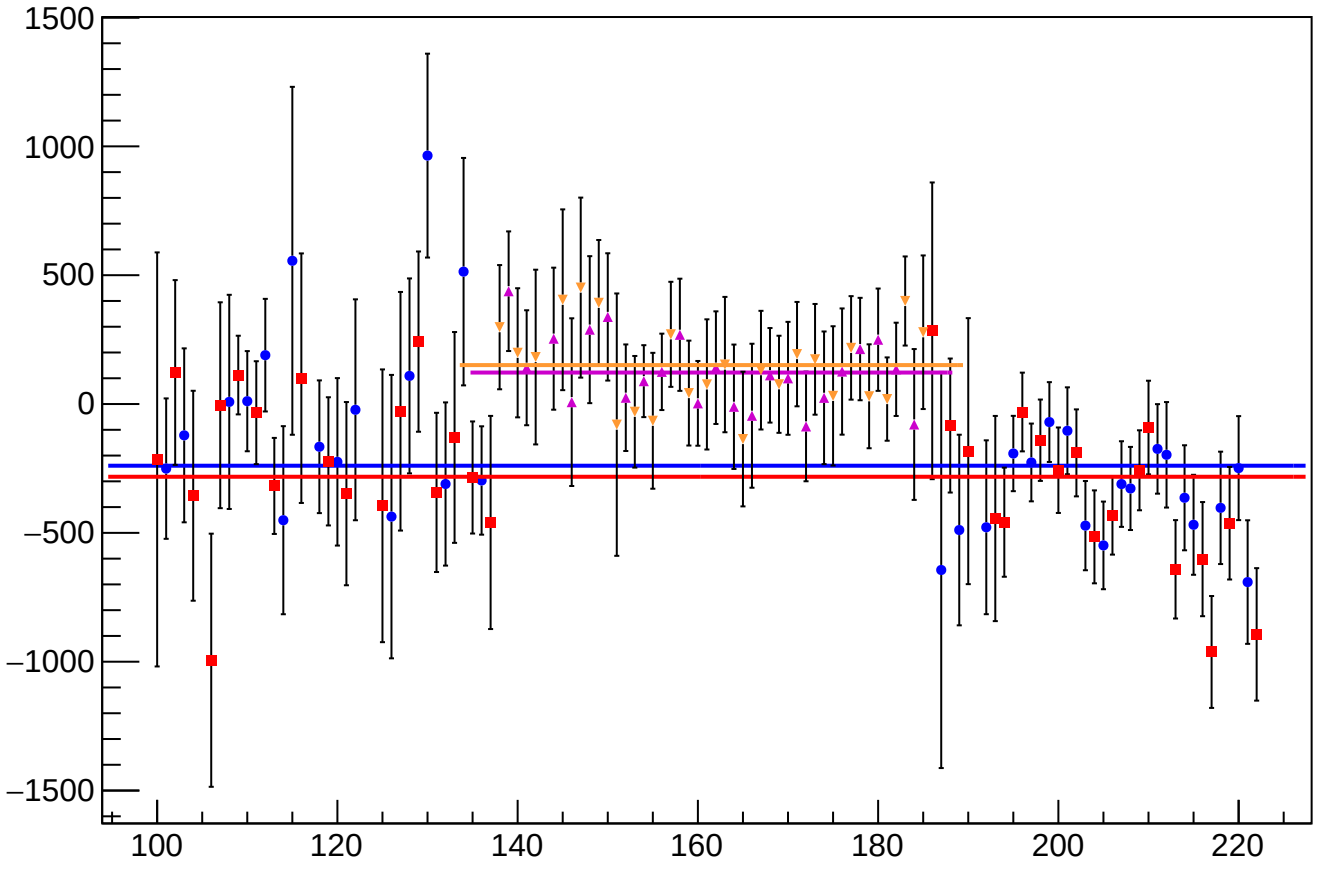
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.205+/-0.002 χ^2/NDF: 63045.5/69

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.371+/-0.002 χ^2/NDF:54375.3/59

All: 22.333+/-0.002 χ^2/NDF: 104779.2/116



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: -282.229+/-38.732 χ^2/NDF: 47.7/35

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

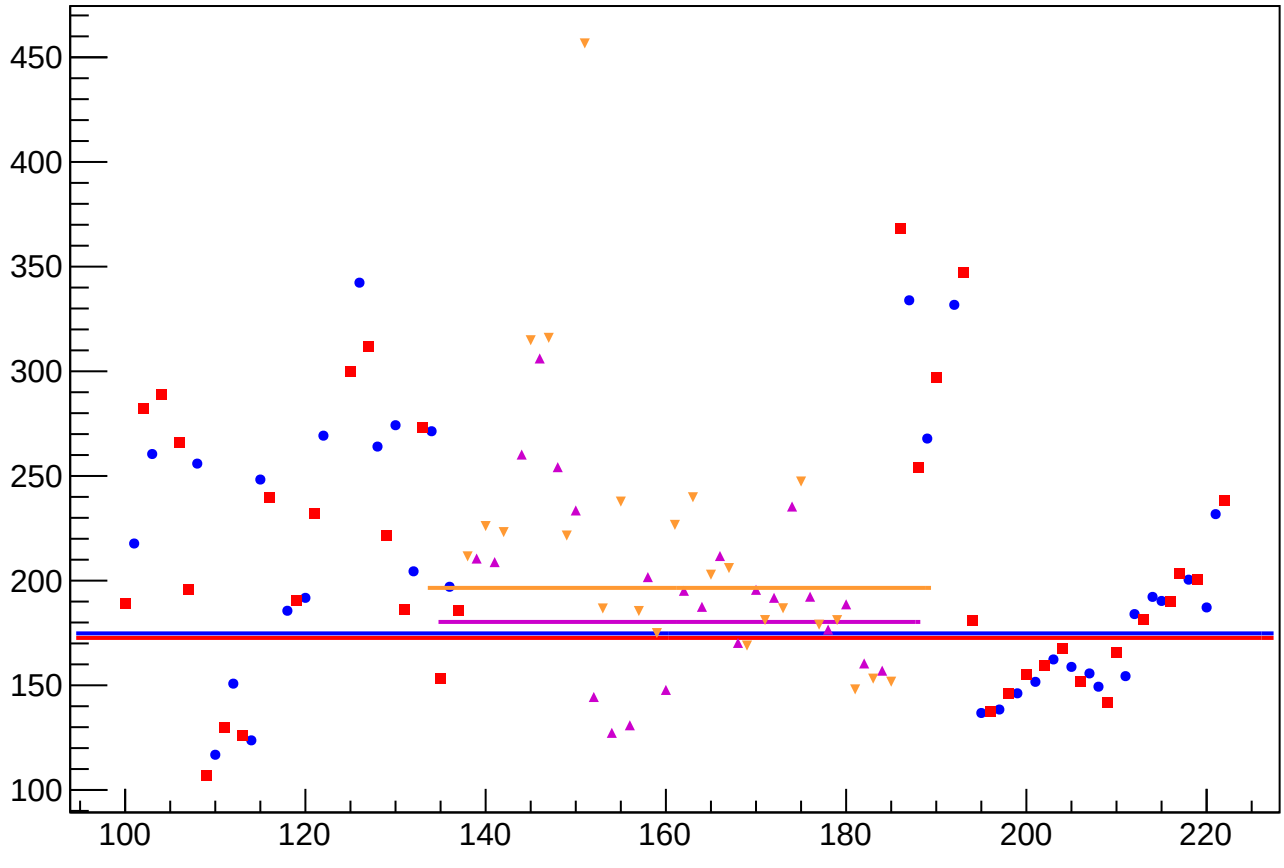
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -260.788+/-27.372 χ^2/NDF: 84.5/69

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -108.364+/-29.971 χ^2/NDF:107.9/59

All: -94.658+/-20.861 χ^2/NDF: 190.0/116



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: 172.635+/-0.027 χ^2/NDF: 3067762.2/35

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

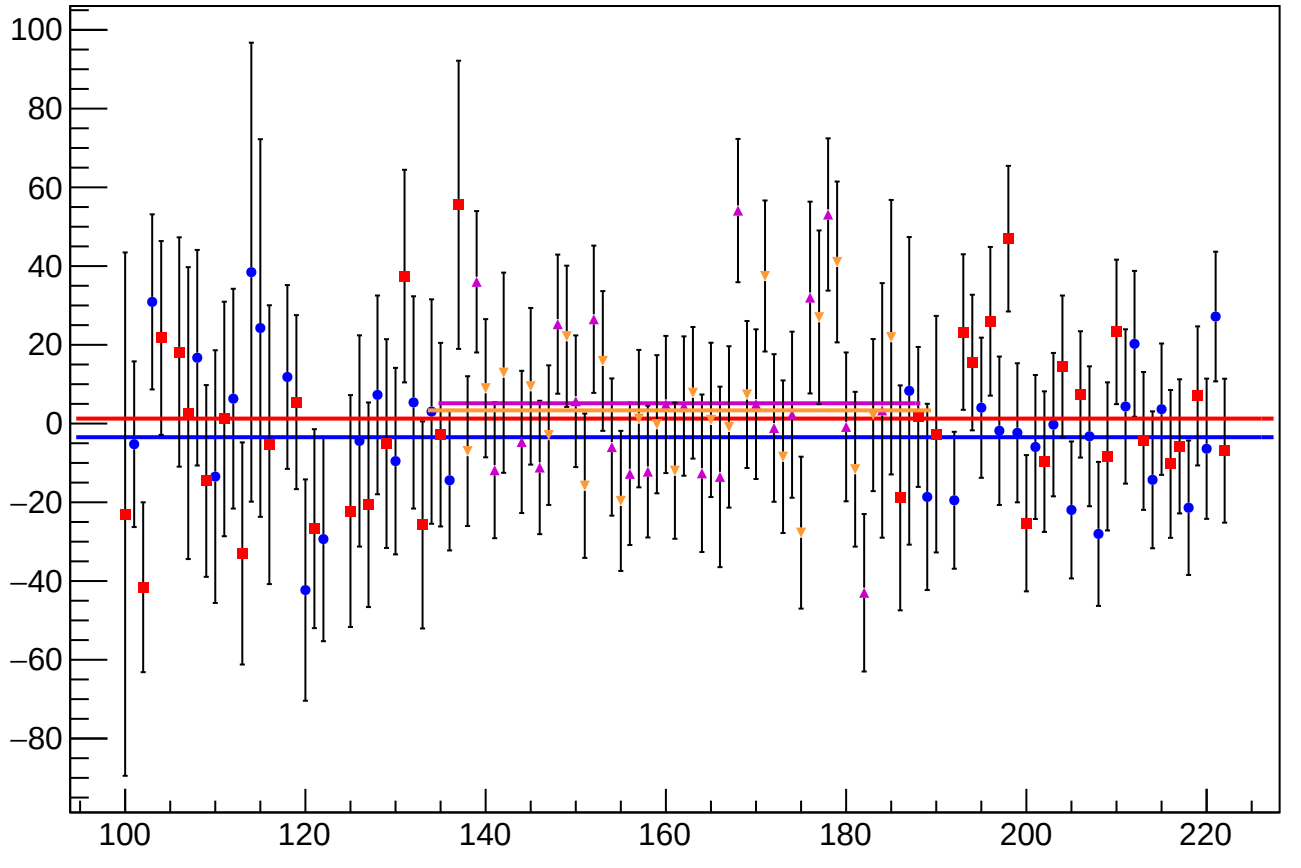
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 173.718+/-0.019 χ^2/NDF: 5570003.4/69

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 182.223+/-0.021 χ^2/NDF:5101158.8/59

All: 179.627+/-0.015 χ^2/NDF: 9271543.8/116



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: 1.263+/-3.627 χ^2/NDF: 31.1/35

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

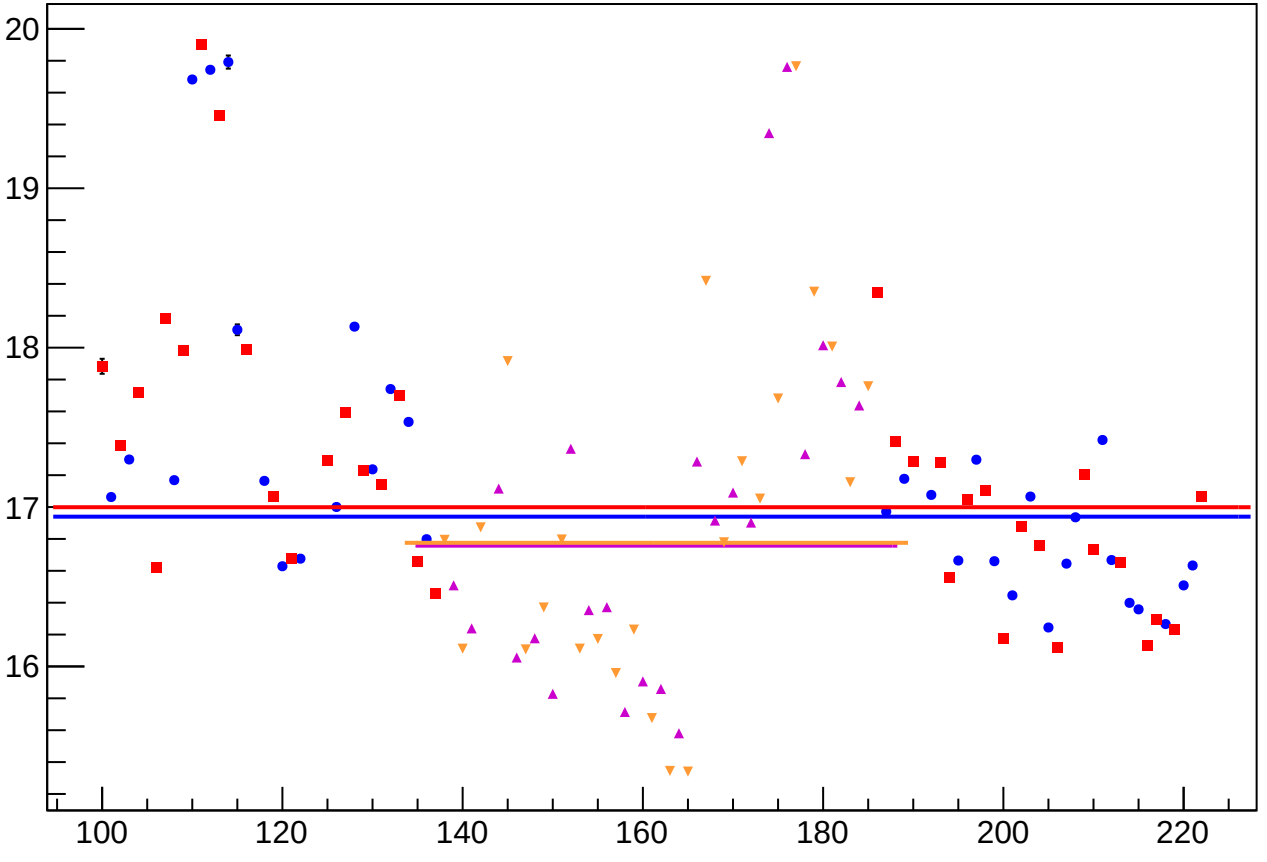
Right: -1.114+/-2.559 χ^2/NDF: 51.6/69

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 2.234+/-2.657 χ^2/NDF:49.0/59

All: 1.358+/-1.879 χ^2/NDF: 103.7/116

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: 16.999+/-0.003 χ^2/NDF: 79554.1/35

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

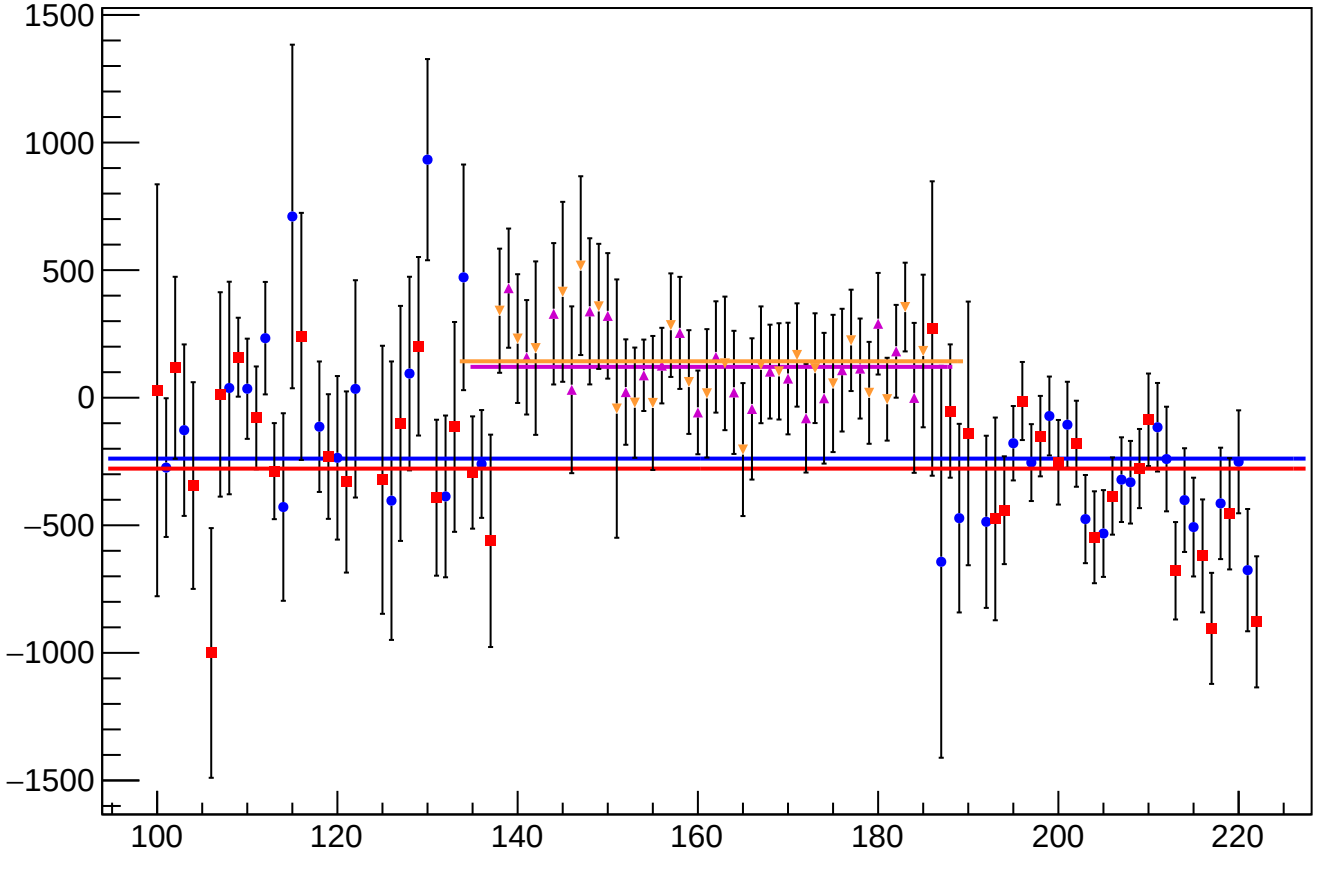
Right: 16.969+/-0.002 χ^2/NDF: 147801.6/69

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.896+/-0.002 χ^2/NDF:219207.5/59

All: 16.876+/-0.001 χ^2/NDF: 413039.7/116

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: -277.908+/-38.769 χ^2/NDF: 48.7/35

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

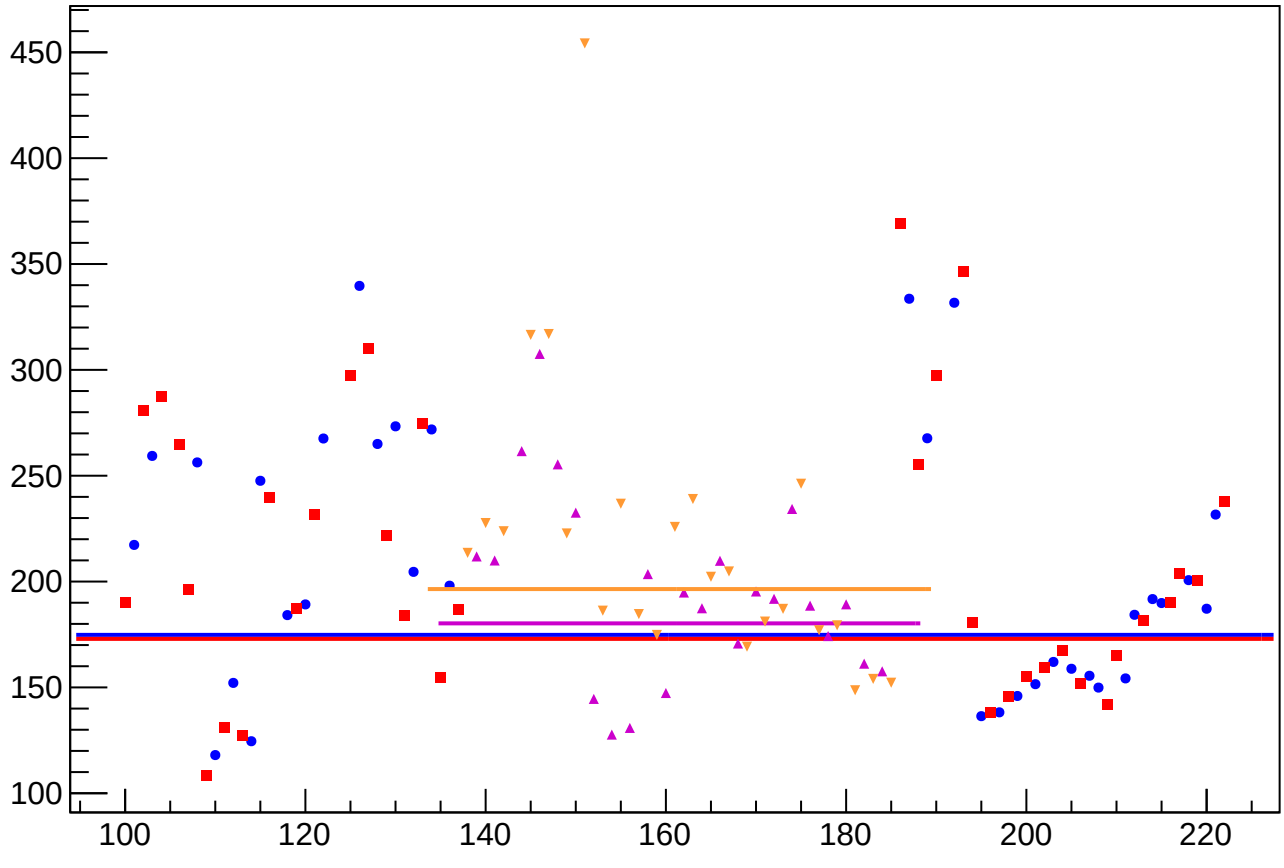
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -258.244+/-27.383 χ^2/NDF: 87.3/69

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -108.836+/-29.981 χ^2/NDF:106.1/59

All: -94.945+/-20.863 χ^2/NDF: 190.6/116



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: 172.925+/-0.027 χ^2/NDF: 3014168.5/35

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

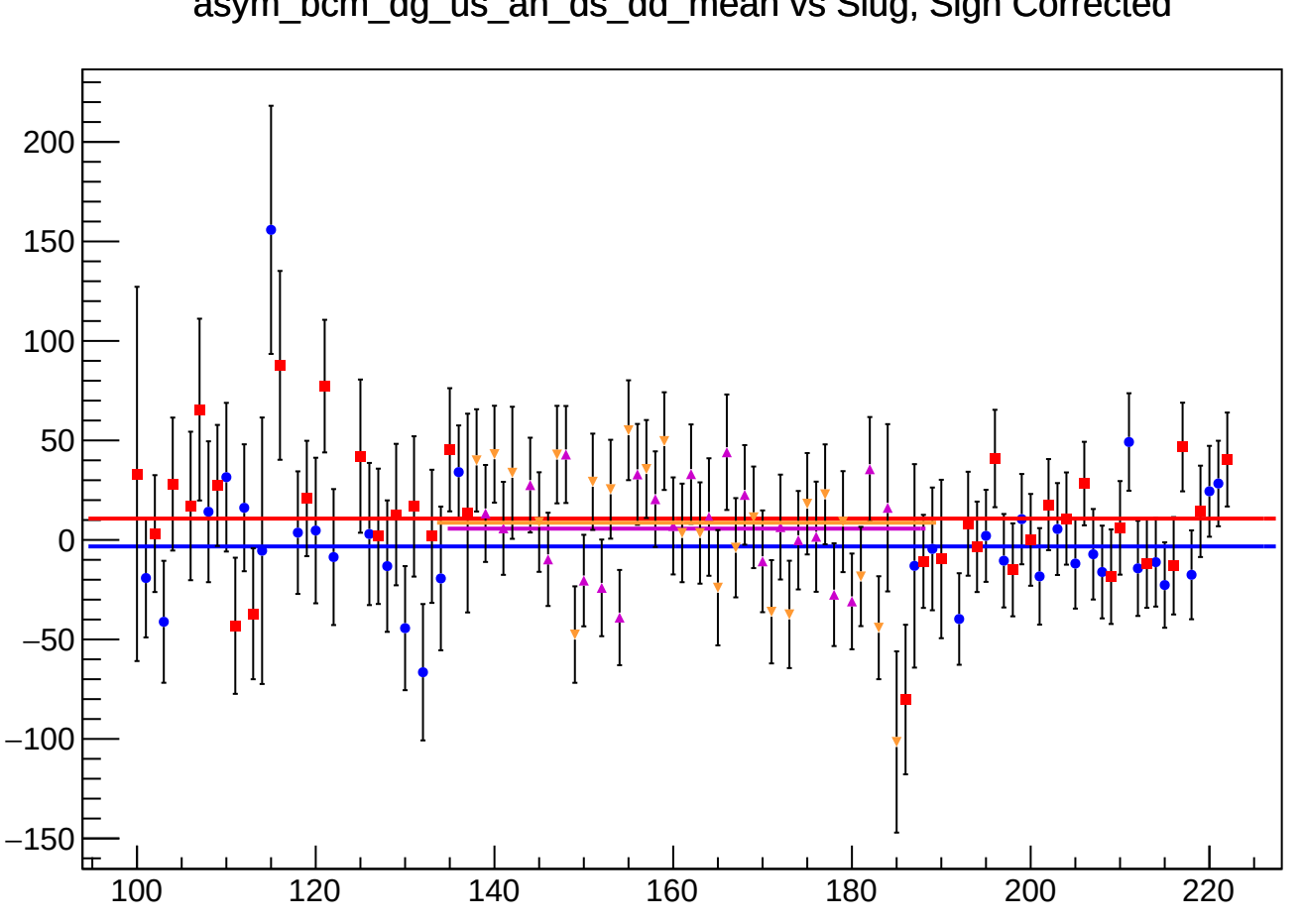
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 173.874+/-0.019 χ^2/NDF: 5496153.7/69

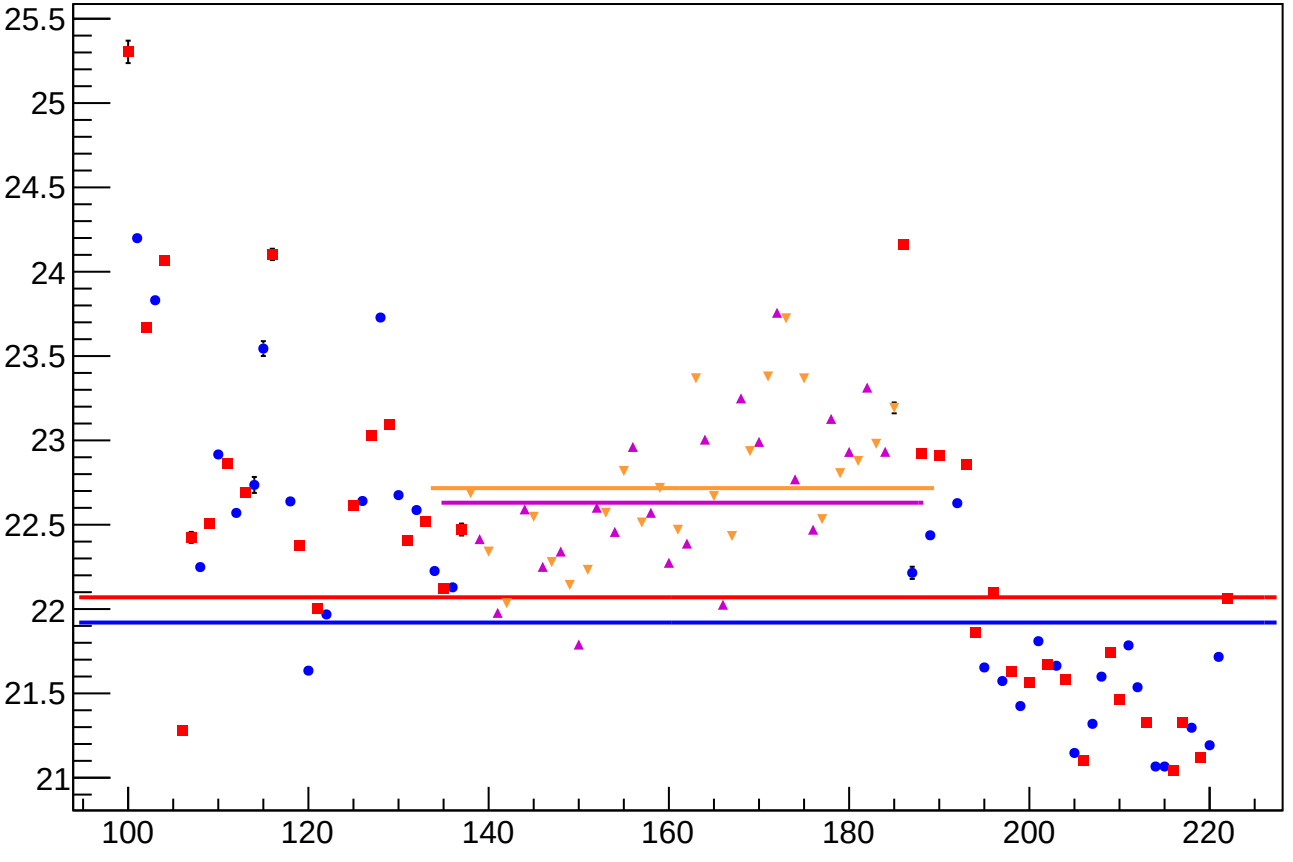
In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 182.382+/-0.021 χ^2/NDF:5033765.5/59

All: 179.702+/-0.015 χ^2/NDF: 9189295.1/116


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -3.272+/-4.666 χ²/NDF: 31.8/33
Left Out: 8.664+/-5.275 χ²/NDF:39.2/23
Right Out: 10.727+/-4.705 χ²/NDF: 34.4/35
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.169+/-3.734 χ²/NDF: 60.1/46
Right: 3.669+/-3.313 χ²/NDF: 70.7/69
In: 0.643+/-3.498 χ²/NDF:54.2/56
Out: 9.813+/-3.511 χ²/NDF:73.7/59
All: 5.211+/-2.478 χ²/NDF: 131.3/116

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: 59165.3/35

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

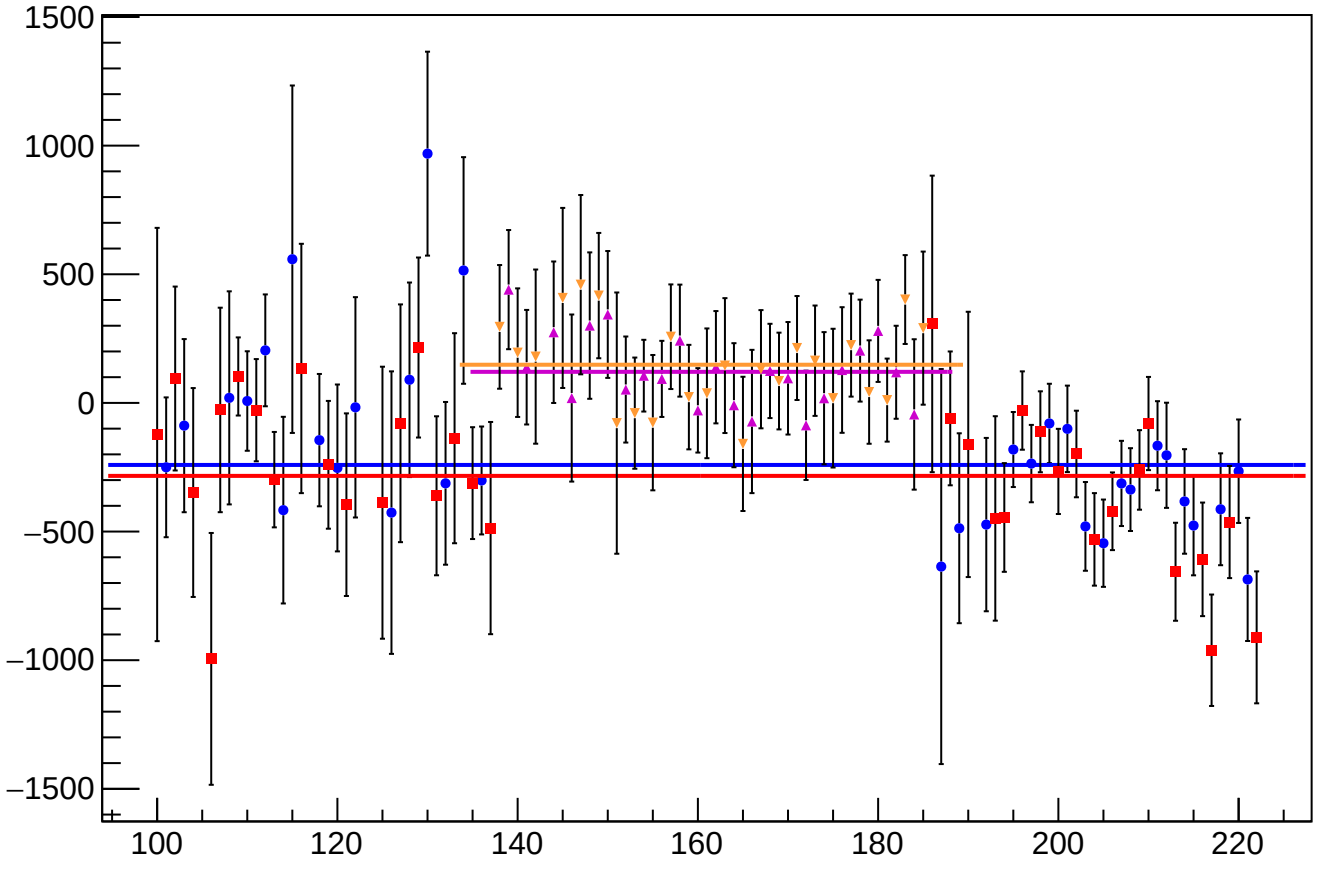
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 21.994+/-0.002 χ^2/NDF: 112975.6/69

In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.356+/-0.002 χ^2/NDF:88115.6/59

All: 22.294+/-0.002 χ^2/NDF: 177879.3/116



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: -283.628+/-38.616 χ^2/NDF: 48.7/35

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

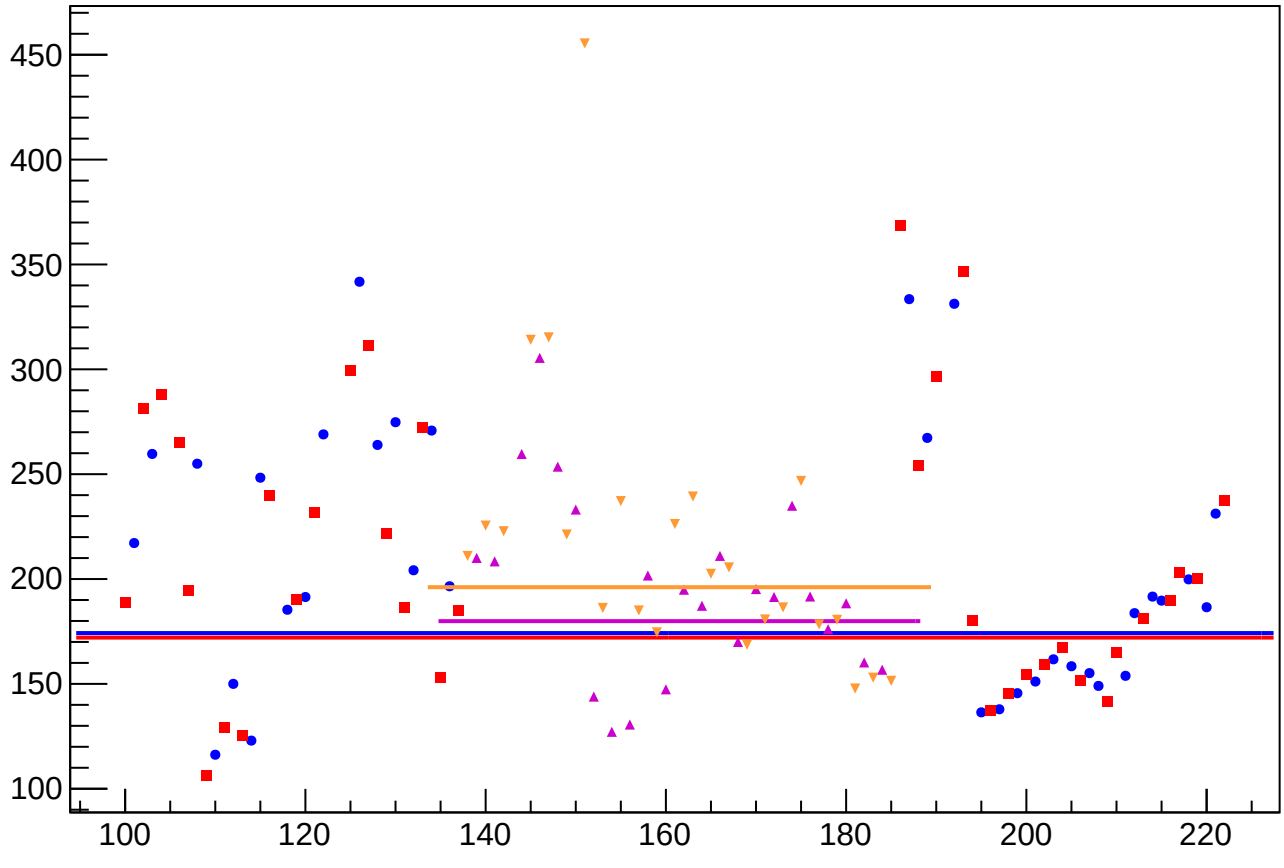
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -262.335+/-27.289 χ^2/NDF: 86.2/69

In: -83.537+/-28.981 χ^2/NDF:83.1/56

Out: -110.451+/-29.891 χ^2/NDF:109.8/59

All: -96.578+/-20.807 χ^2/NDF: 193.4/116



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: 172.078+/-0.027 χ^2/NDF: 3087150.1/35

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

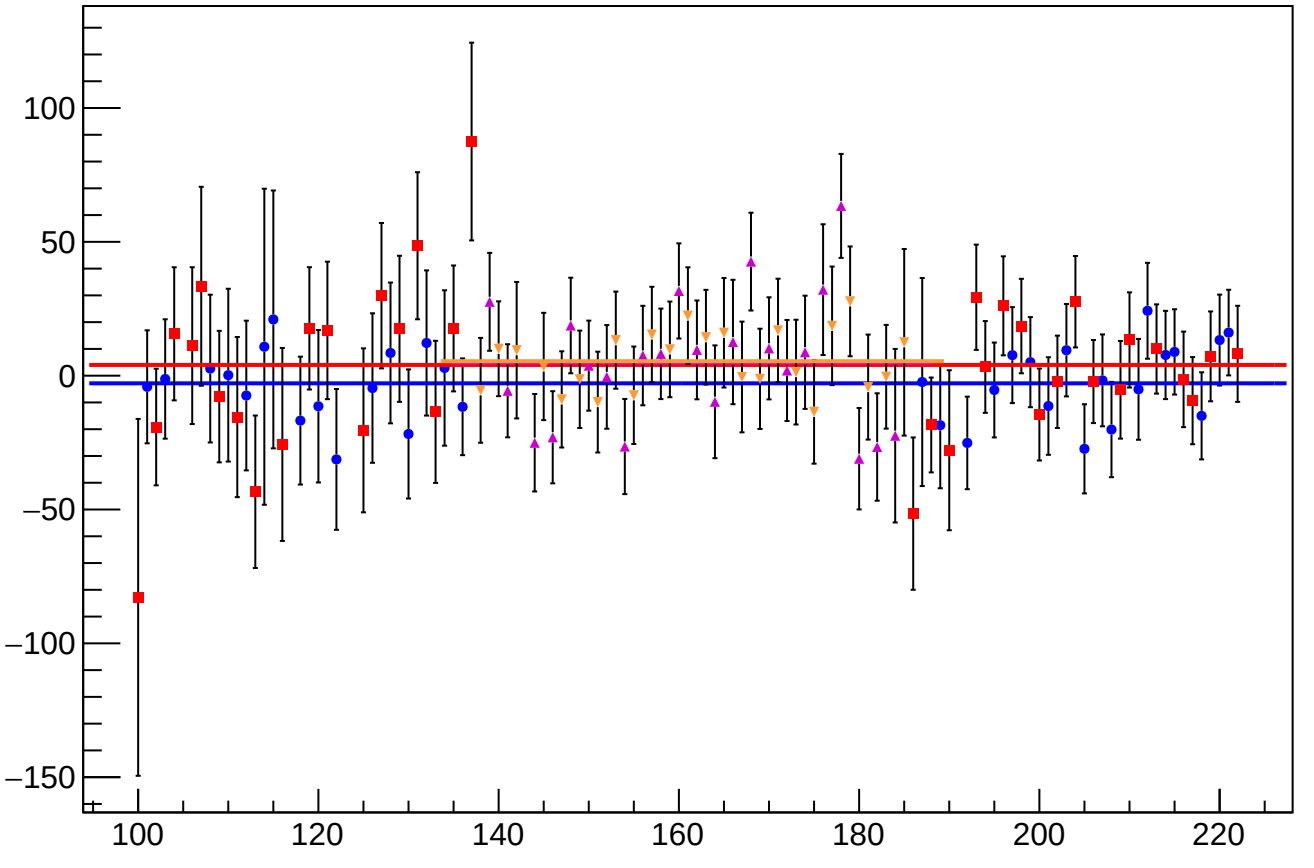
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 173.160+/-0.019 χ^2/NDF: 5603122.3/69

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 181.711+/-0.021 χ^2/NDF:5123982.8/59

All: 179.136+/-0.015 χ^2/NDF: 9308685.7/116



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: 4.014+/-3.571 χ^2/NDF: 33.9/35

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

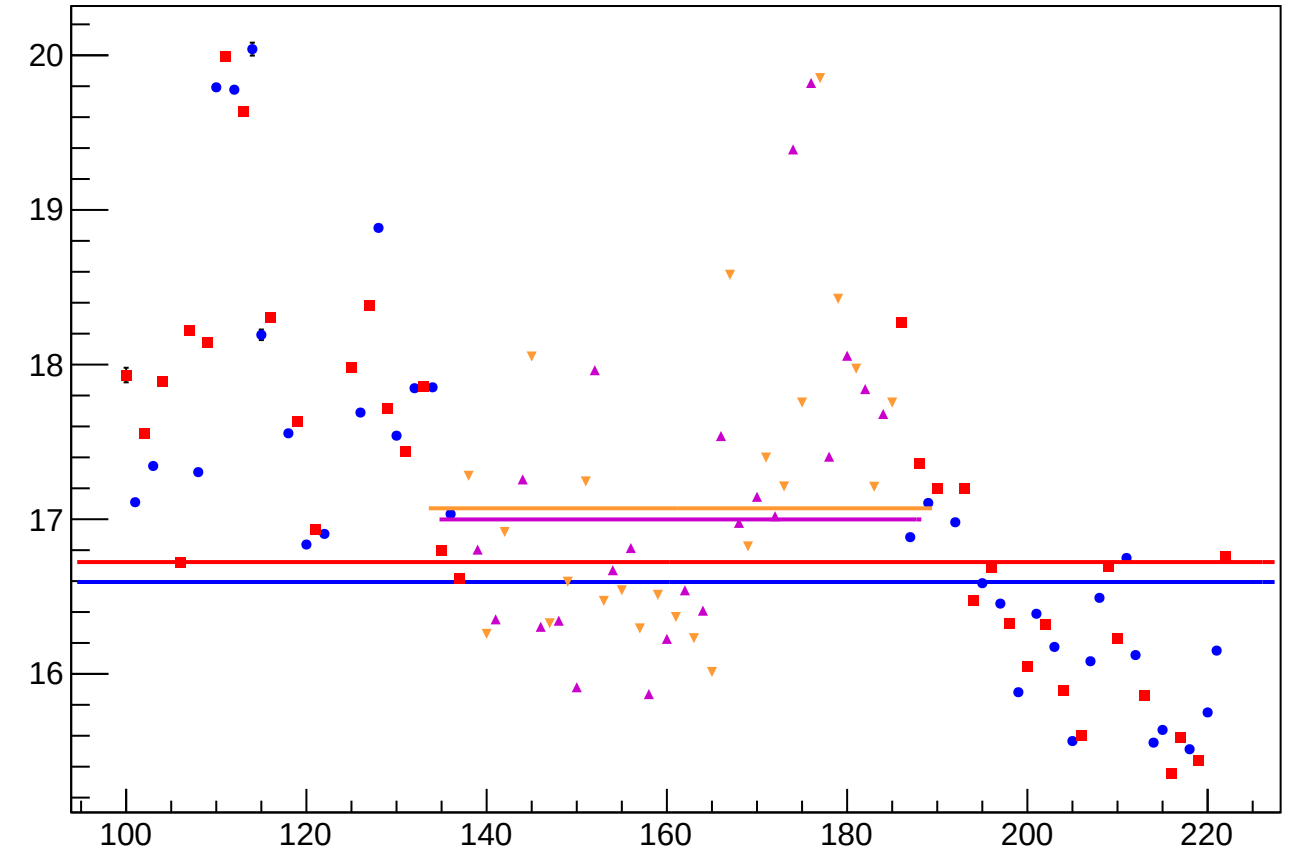
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: 0.548+/-2.514 χ^2/NDF: 51.8/69

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.636+/-2.656 χ^2/NDF:41.8/59

All: 2.584+/-1.874 χ^2/NDF: 96.6/116



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: 16.723+/-0.003 χ^2/NDF: 159344.6/35

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

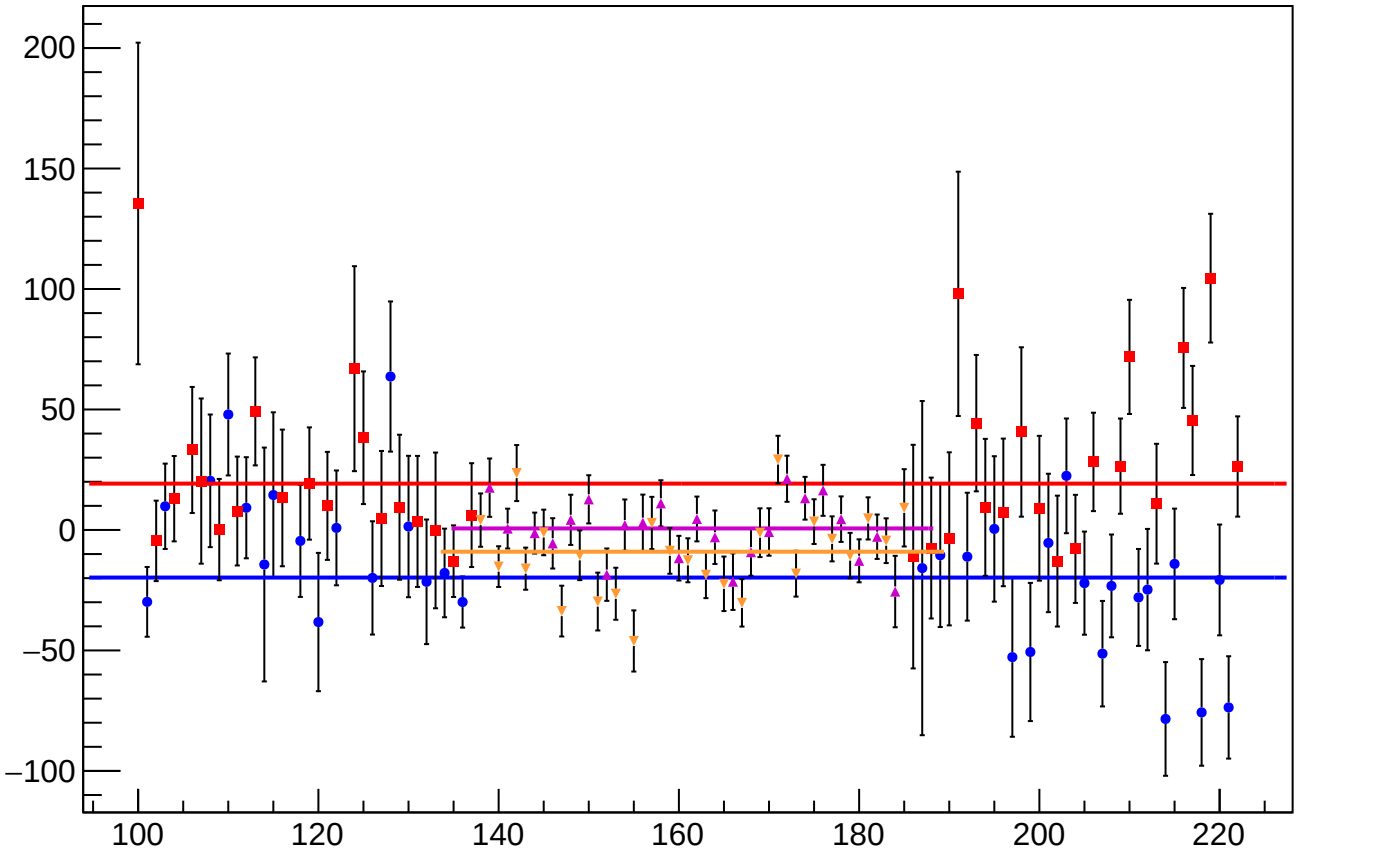
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.658+/-0.002 χ^2/NDF: 302854.6/69

In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.878+/-0.002 χ^2/NDF:264129.7/59

All: 16.825+/-0.001 χ^2/NDF: 523475.9/116



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: 19.232+/-4.046 χ^2/NDF: 47.0/37

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

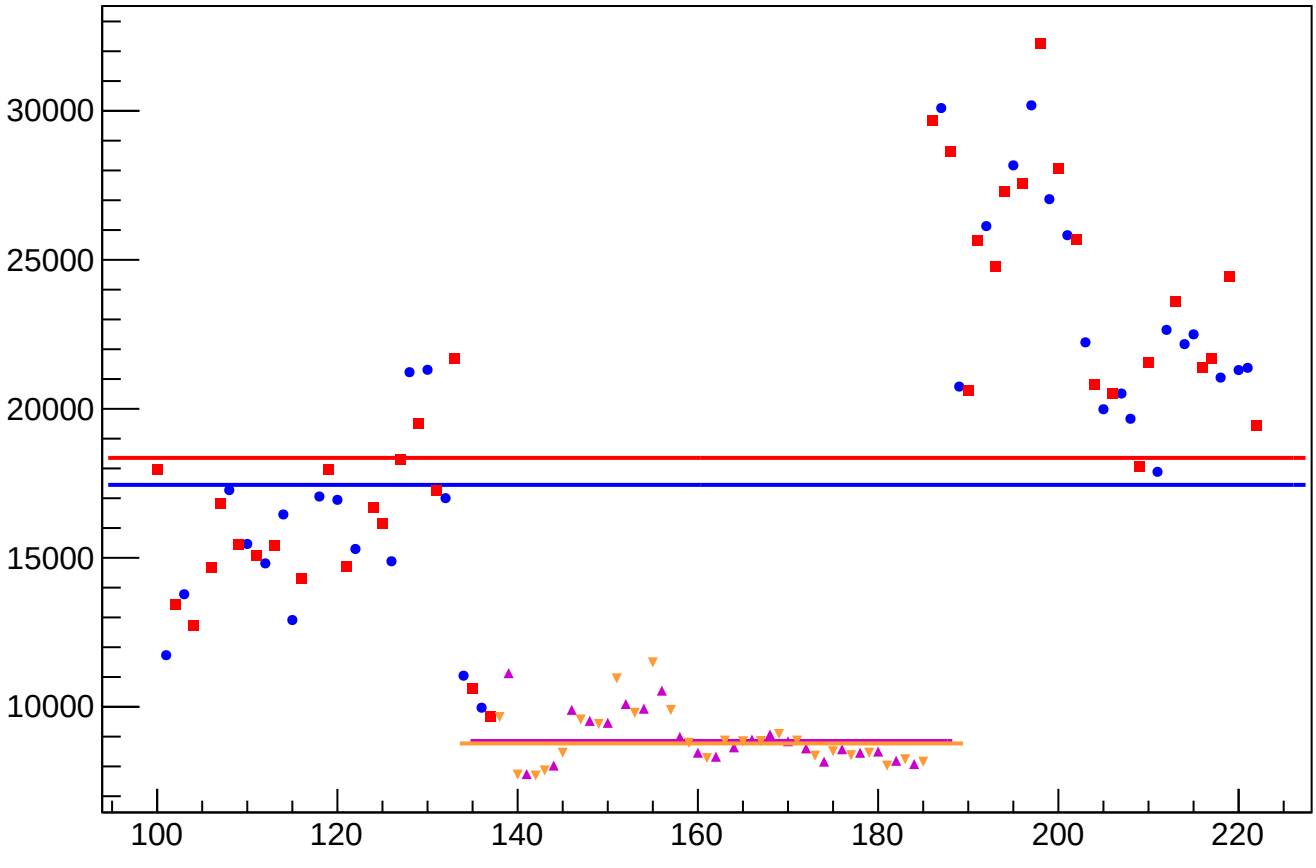
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -0.996+/-2.807 χ^2/NDF: 148.5/71

In: -3.890+/-1.834 χ^2/NDF:104.1/56

Out: -3.450+/-1.798 χ^2/NDF:148.2/62

All: -3.665+/-1.284 χ^2/NDF: 252.3/119



Right In: 17448.335+/-2.755 χ^2/NDF: 3677094.5/33

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18353.572+/-2.861 χ^2/NDF: 3455018.0/37

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

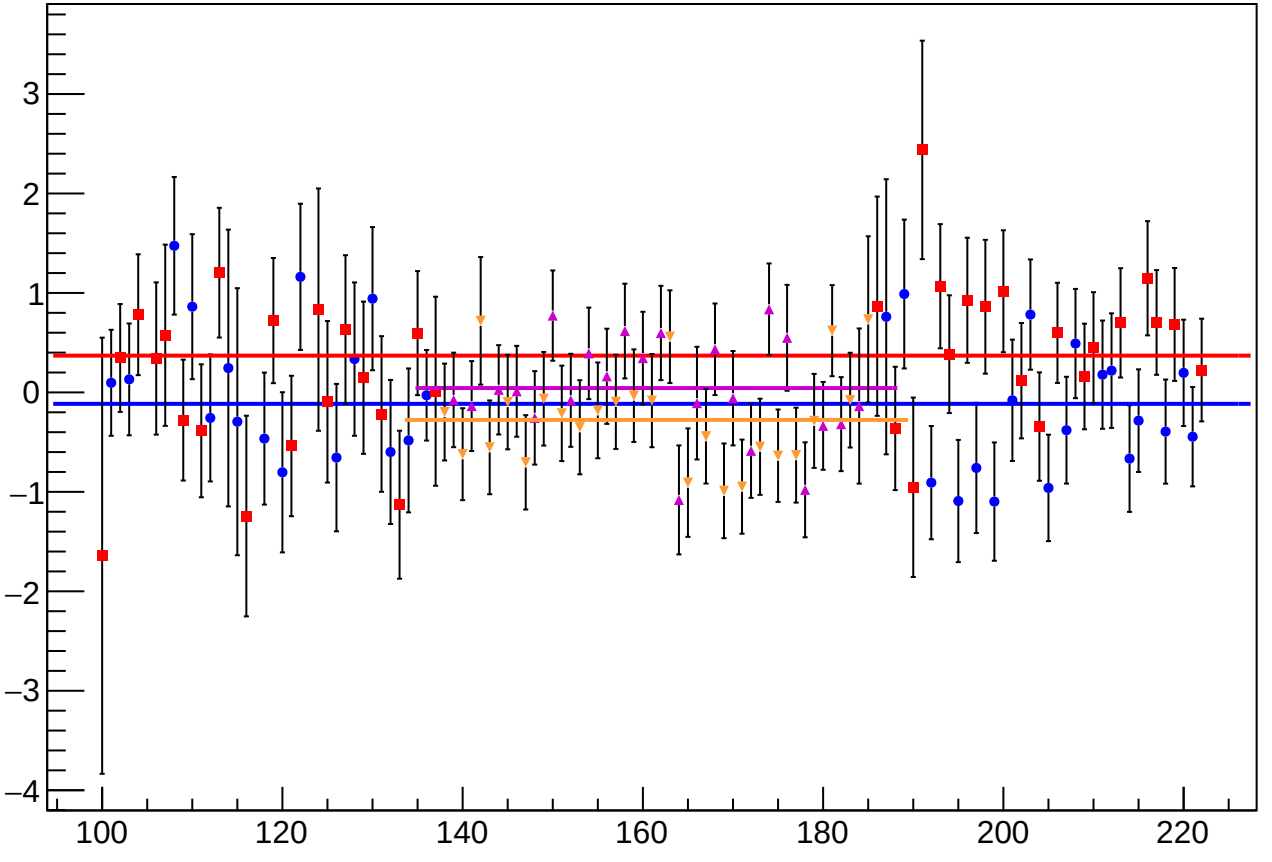
Right: 17883.904+/-1.985 χ^2/NDF: 7184051.9/71

In: 10757.934+/-1.297 χ^2/NDF:11552284.7/56

Out: 10661.769+/-1.271 χ^2/NDF:12805191.2/62

All: 10708.875+/-0.908 χ^2/NDF: 24360279.7

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: 0.370+/-0.107 χ^2/NDF: 31.7/37

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

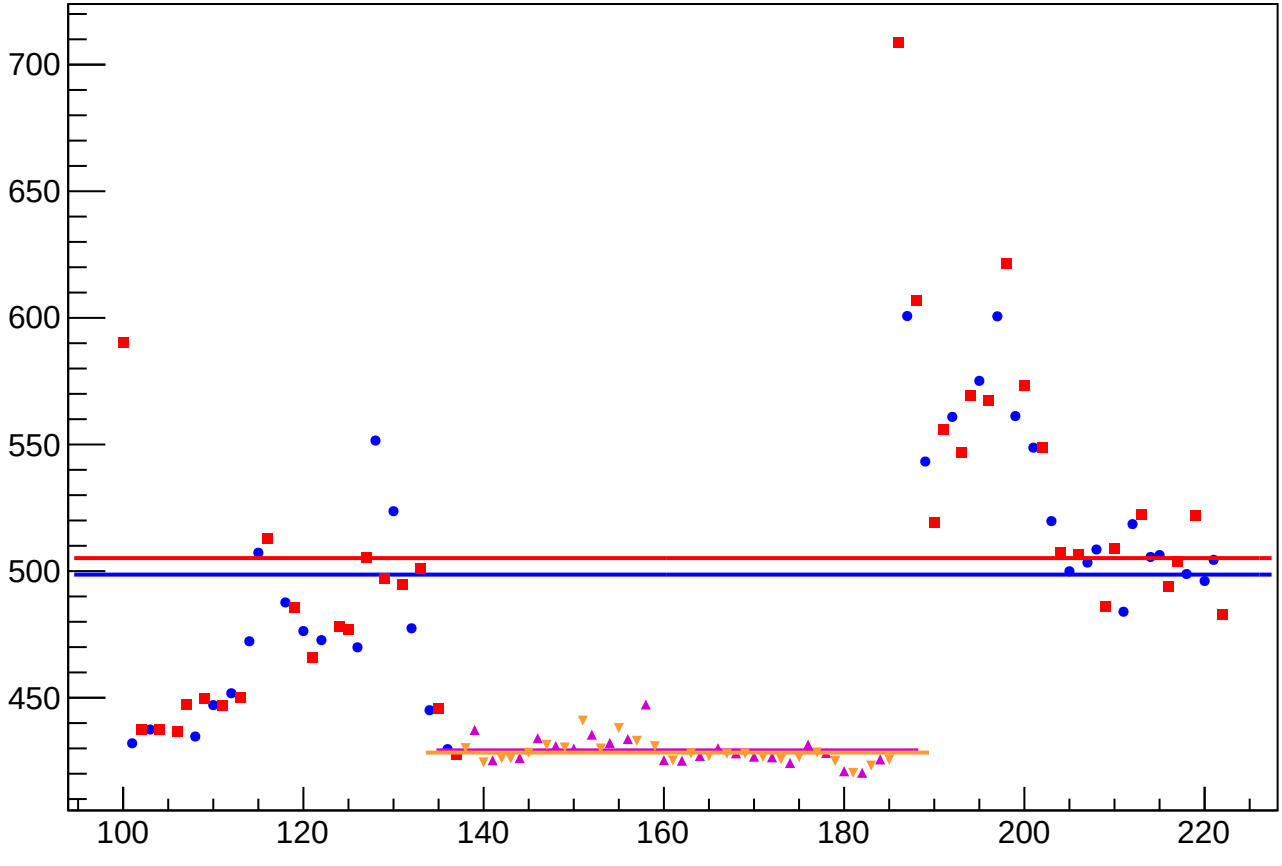
Right: 0.126+/-0.076 χ^2/NDF: 77.6/71

In: -0.031+/-0.073 χ^2/NDF:60.5/56

Out: 0.015+/-0.072 χ^2/NDF:72.7/62

All: -0.007+/-0.051 χ^2/NDF: 133.4/119

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 498.628+/-0.075 χ^2/NDF: 337279.7/33

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.149+/-0.076 χ^2/NDF: 458104.9/37

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

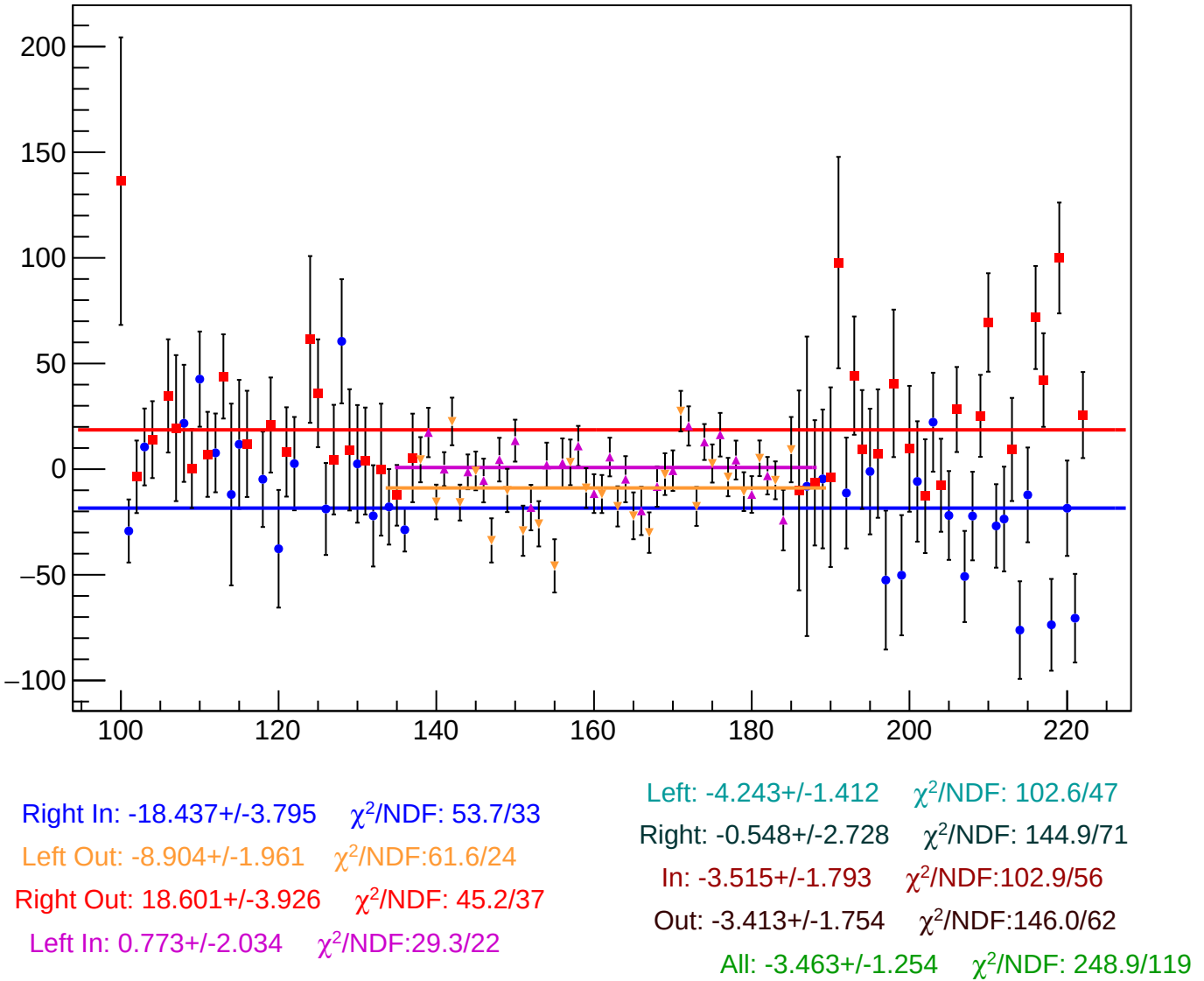
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

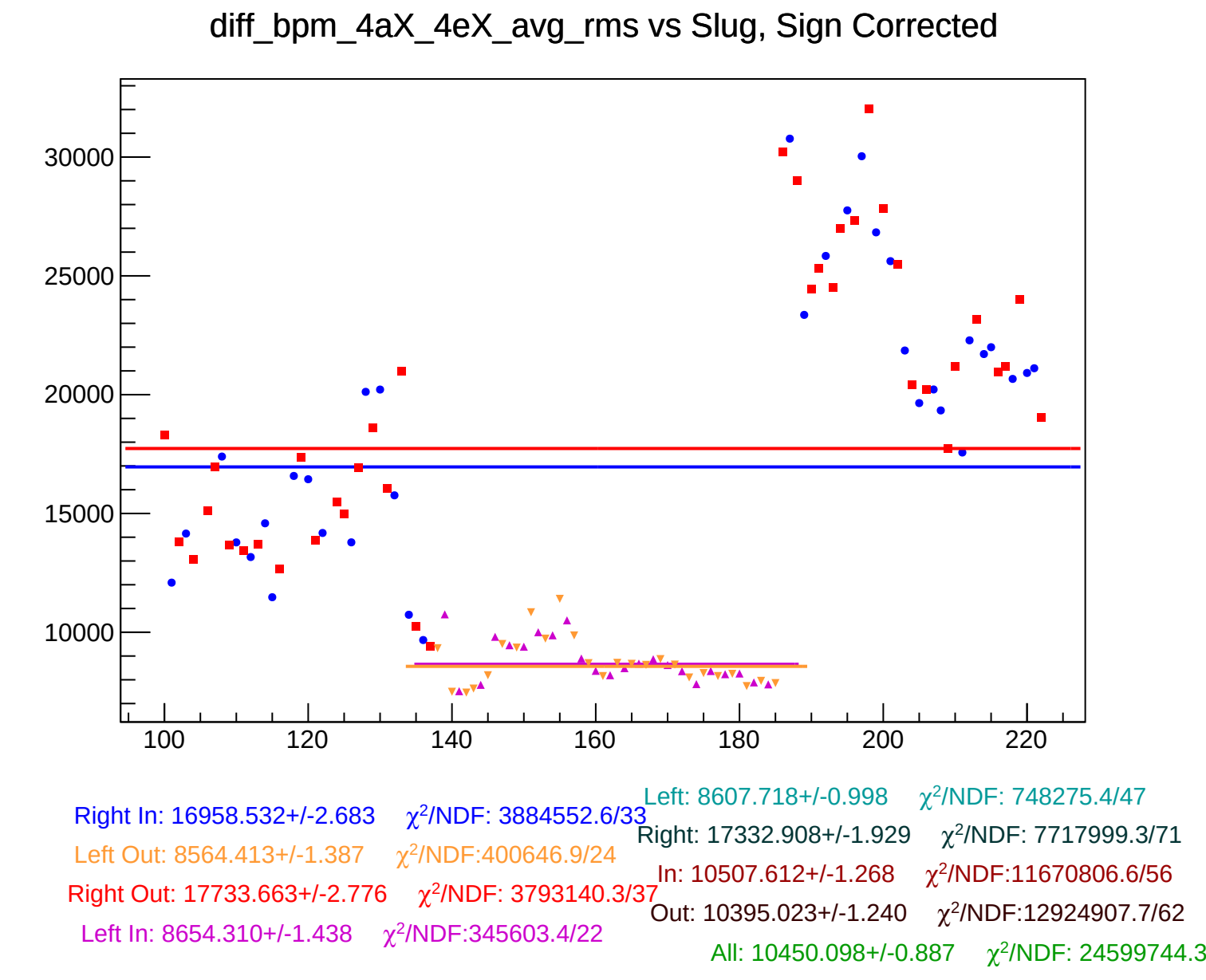
Right: 501.867+/-0.053 χ^2/NDF: 799107.3/71

In: 461.819+/-0.052 χ^2/NDF:794305.3/56

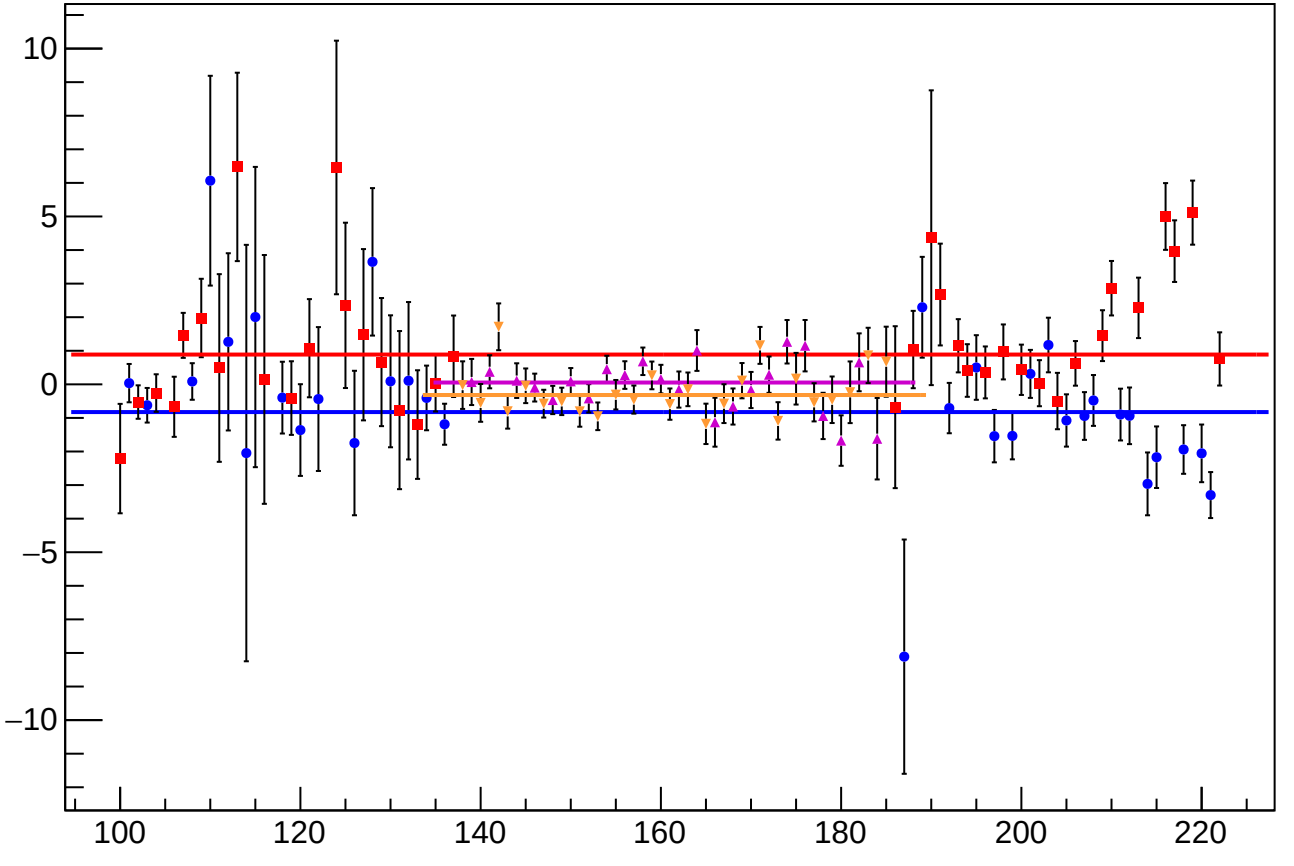
Out: 463.032+/-0.051 χ^2/NDF:1024909.1/62

All: 462.433+/-0.036 χ^2/NDF: 1819493.8/119


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -18.437+/-3.795 χ²/NDF: 53.7/33
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 18.601+/-3.926 χ²/NDF: 45.2/37
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: -0.548+/-2.728 χ²/NDF: 144.9/71
In: -3.515+/-1.793 χ²/NDF:102.9/56
Out: -3.413+/-1.754 χ²/NDF:146.0/62
All: -3.463+/-1.254 χ²/NDF: 248.9/119


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: 17733.663+/-2.776 χ²/NDF: 3793140.3/37
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 17332.908+/-1.929 χ²/NDF: 7717999.3/71
In: 10507.612+/-1.268 χ²/NDF:11670806.6/56
Out: 10395.023+/-1.240 χ²/NDF:12924907.7/62
All: 10450.098+/-0.887 χ²/NDF: 24599744.3

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



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: 0.887+/-0.155 χ^2/NDF: 96.8/37

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

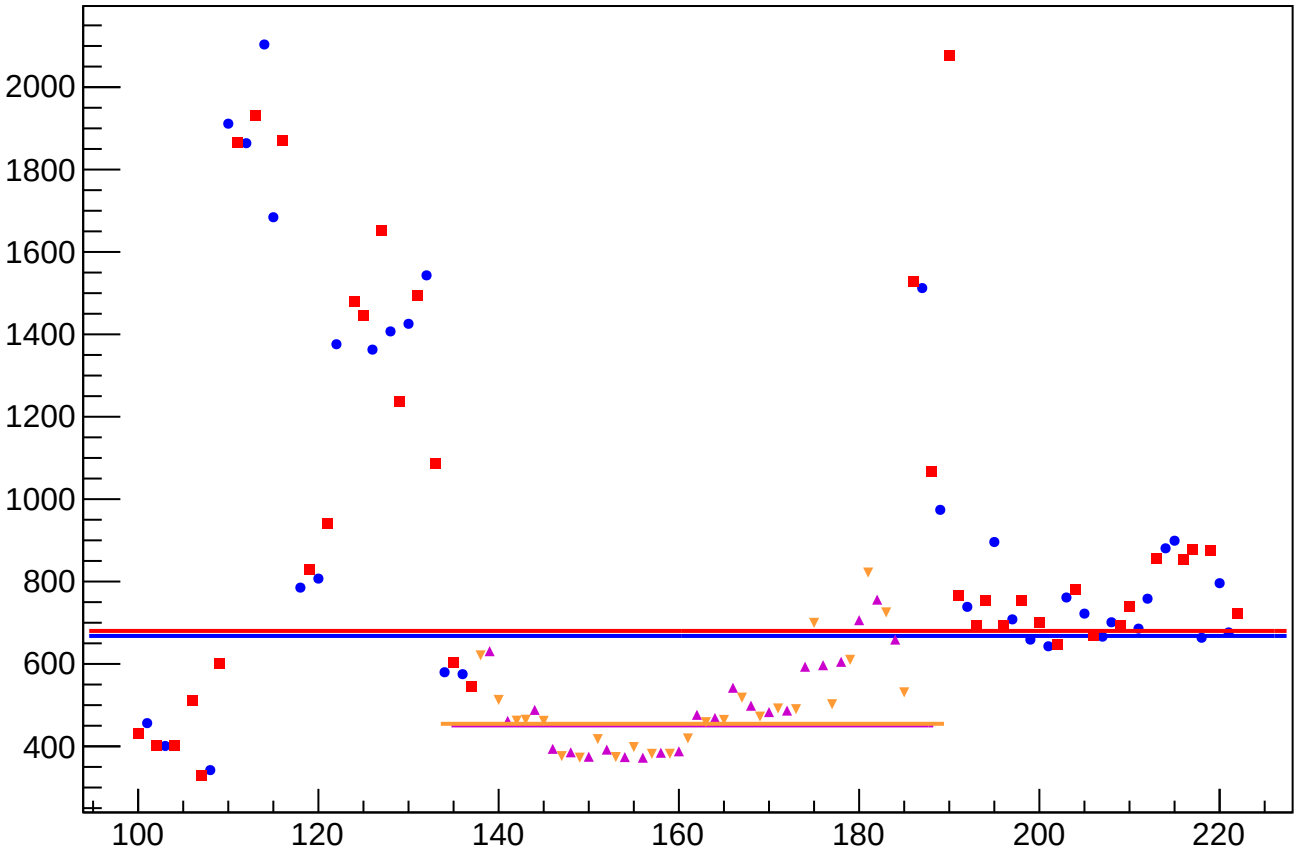
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.011+/-0.108 χ^2/NDF: 222.2/71

In: -0.243+/-0.088 χ^2/NDF:115.1/56

Out: 0.066+/-0.088 χ^2/NDF:170.2/62

All: -0.088+/-0.062 χ^2/NDF: 291.5/119



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: 680.136+/-0.110 χ^2/NDF: 5096327.3/37

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

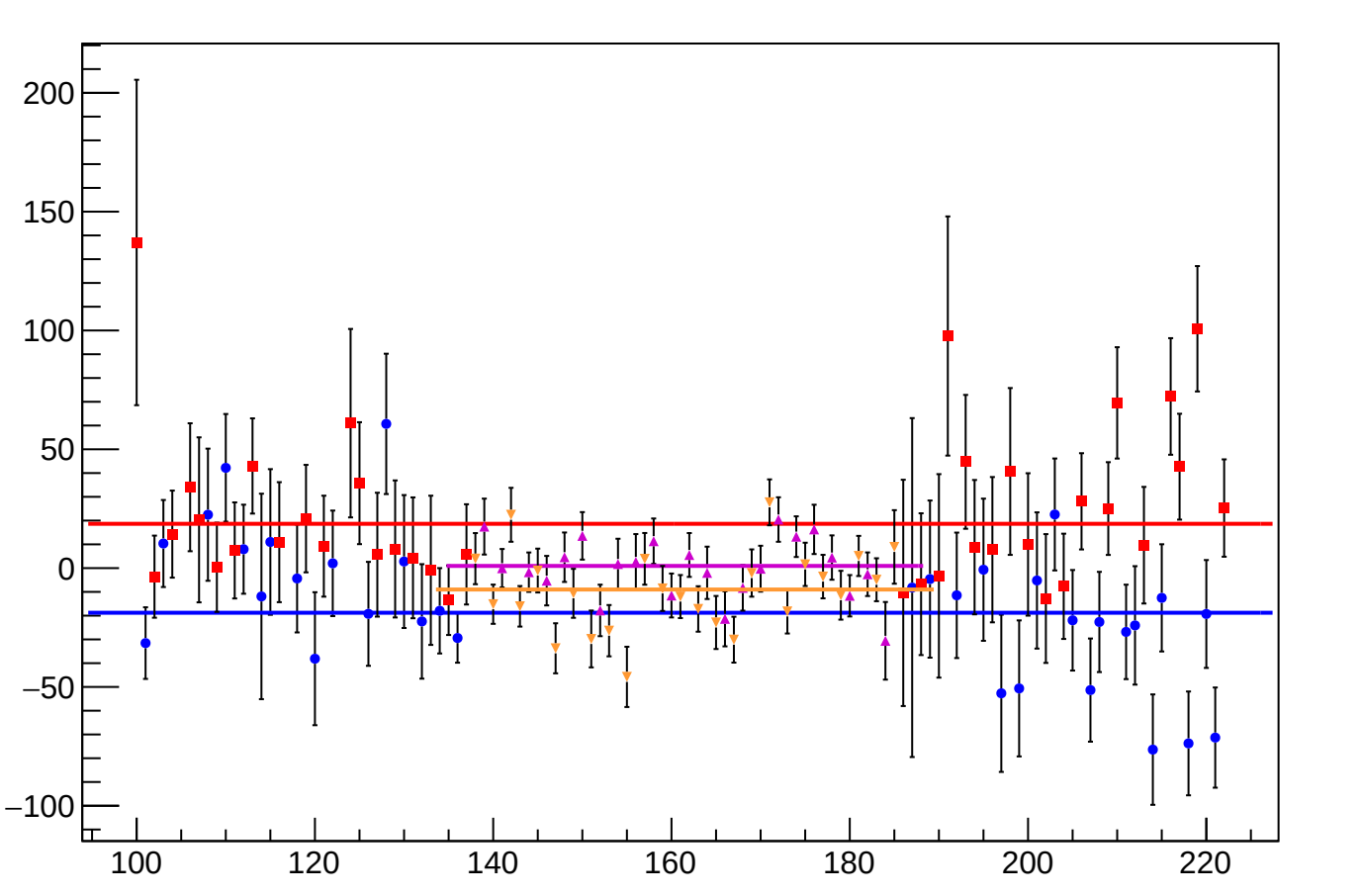
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 673.906+/-0.077 χ^2/NDF: 9582941.1/71

In: 524.010+/-0.062 χ^2/NDF:8672610.8/56

Out: 526.388+/-0.062 χ^2/NDF:9425821.9/62

All: 525.206+/-0.044 χ^2/NDF: 18099166.9/11



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: 18.645+/-3.951 χ^2/NDF: 45.0/37

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

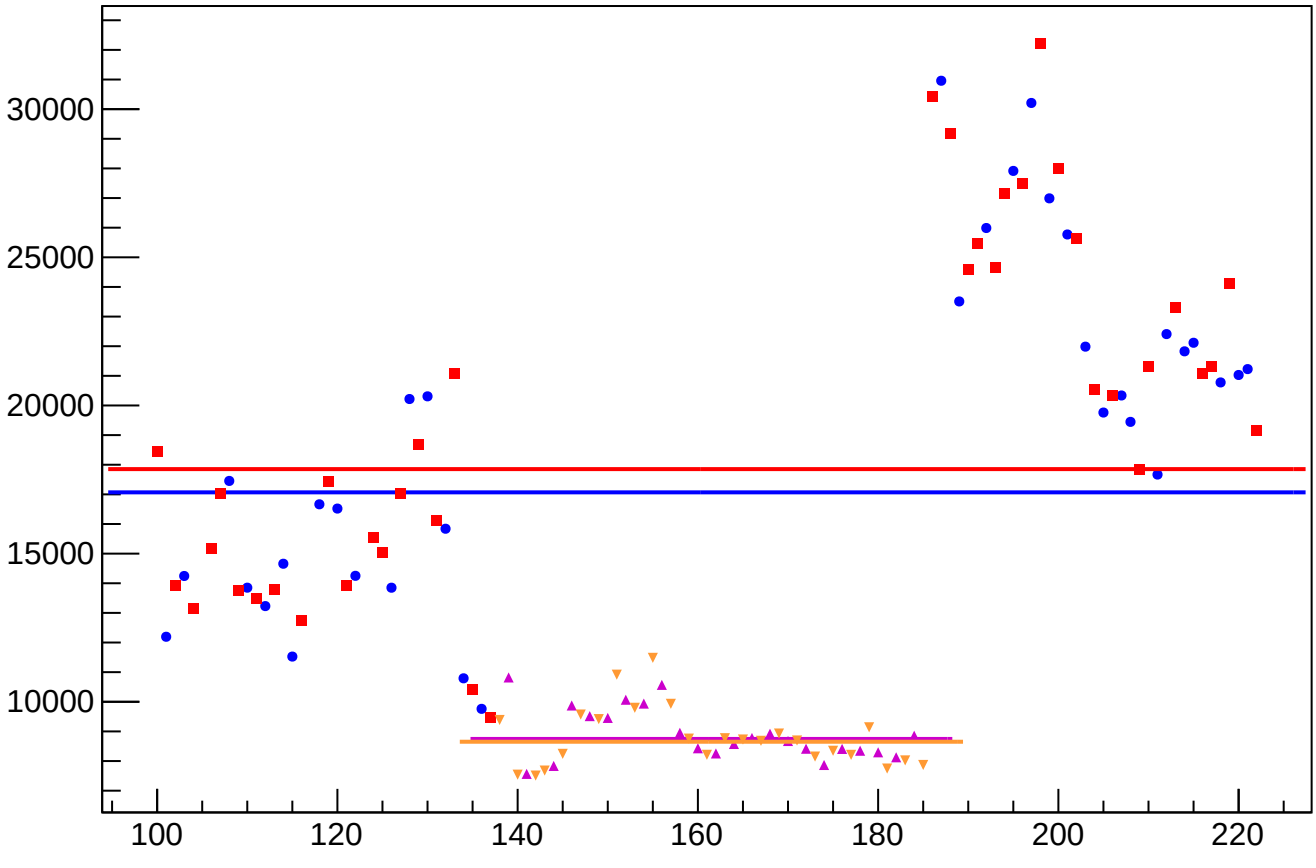
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: -0.708+/-2.746 χ^2/NDF: 145.3/71

In: -3.503+/-1.810 χ^2/NDF:104.4/56

Out: -3.444+/-1.771 χ^2/NDF:145.4/62

All: -3.473+/-1.266 χ^2/NDF: 249.8/119



Right In: 17068.007+/-2.700 χ^2/NDF: 3865276.4/33

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17852.578+/-2.794 χ^2/NDF: 3766804.8/37

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

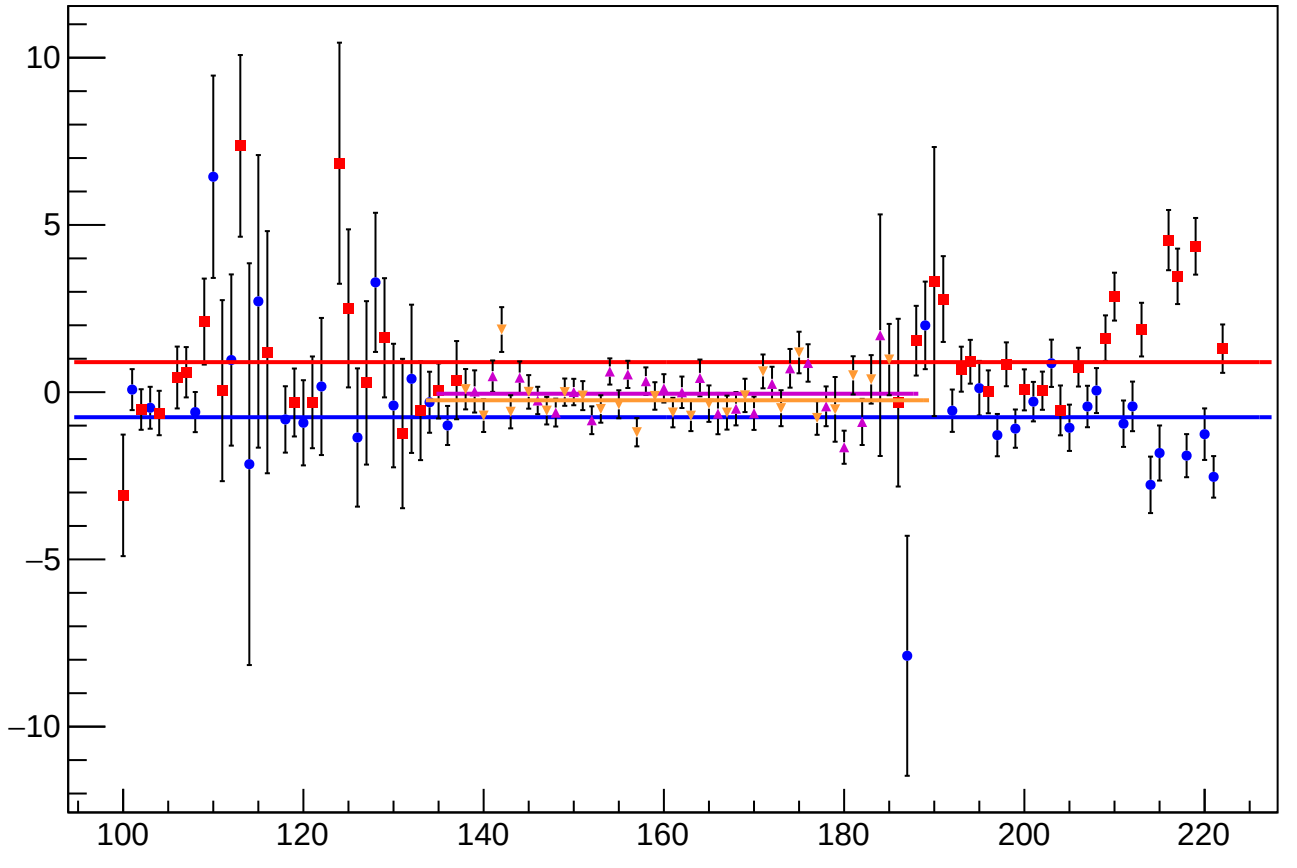
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 17446.885+/-1.942 χ^2/NDF: 7672857.4/71

In: 10616.028+/-1.280 χ^2/NDF:11561743.3/56

Out: 10501.233+/-1.253 χ^2/NDF:12837138.8/62

All: 10557.394+/-0.895 χ^2/NDF: 24402991.1



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: 0.898+/-0.145 χ^2/NDF: 97.5/37

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

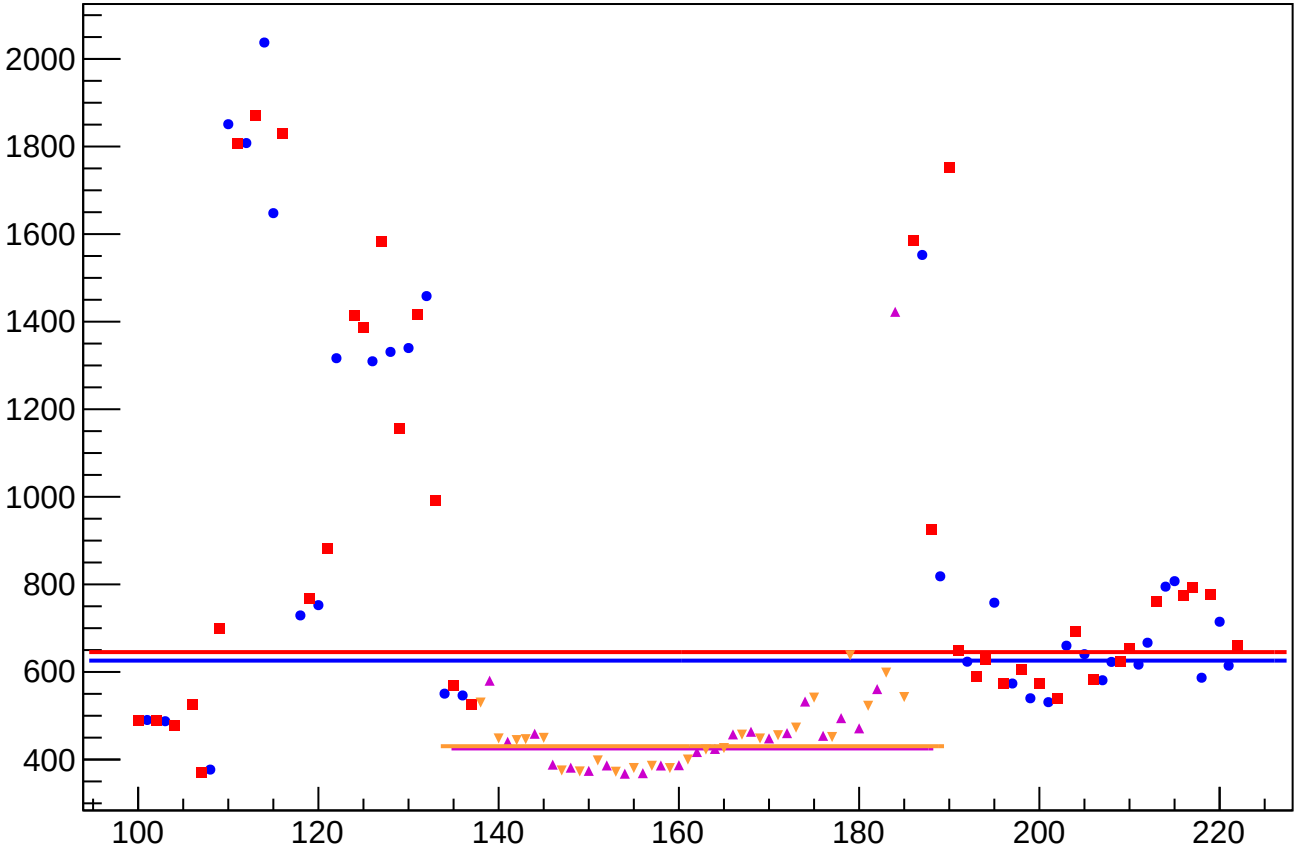
Right: 0.047+/-0.101 χ^2/NDF: 215.6/71

In: -0.288+/-0.082 χ^2/NDF:103.0/56

Out: 0.126+/-0.082 χ^2/NDF:173.6/62

All: -0.081+/-0.058 χ^2/NDF: 289.3/119

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



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: 645.377+/-0.103 χ^2/NDF: 3743937.6/37

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

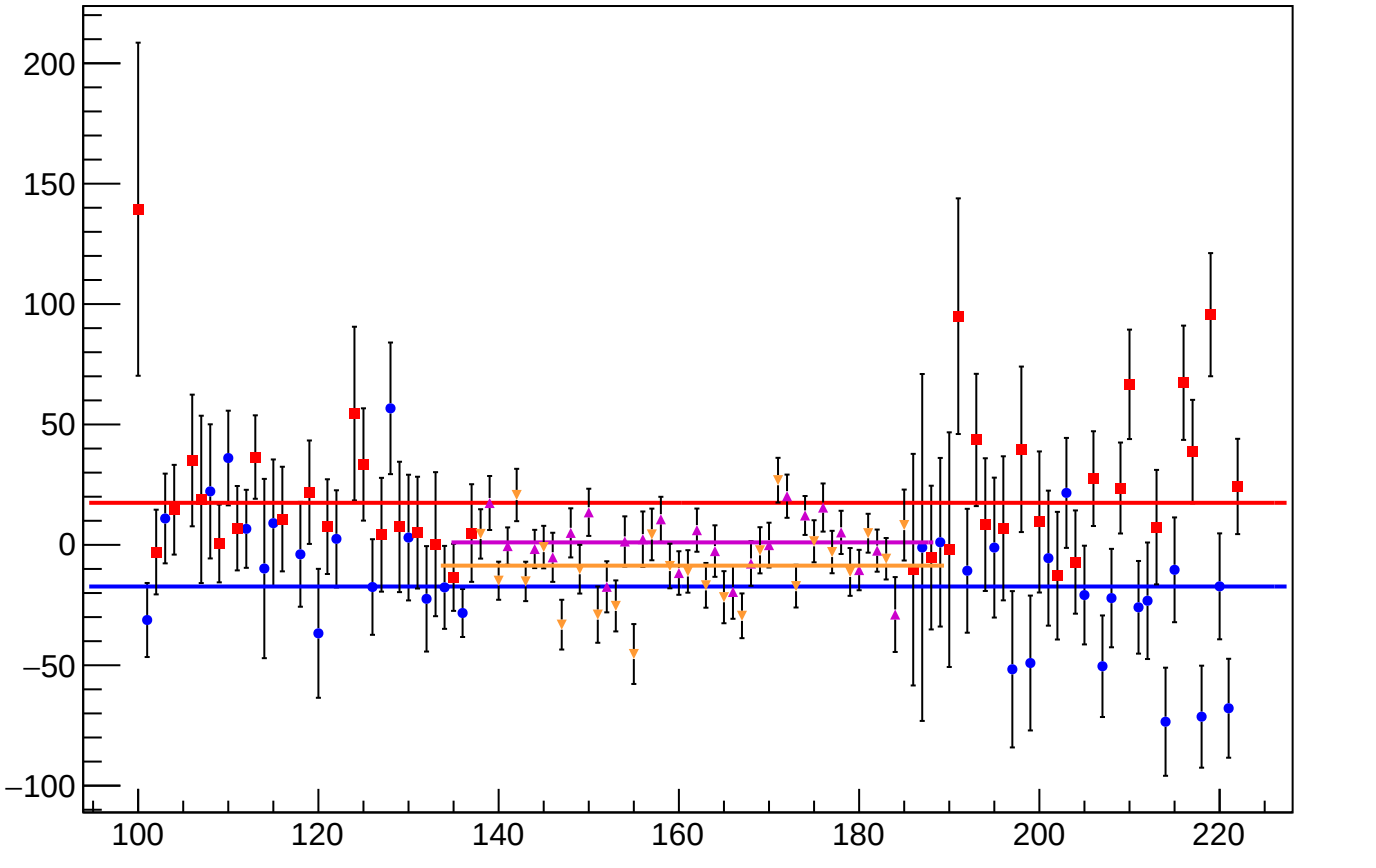
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 635.325+/-0.071 χ^2/NDF: 7199043.6/71

In: 494.251+/-0.058 χ^2/NDF:6833775.0/56

Out: 499.843+/-0.058 χ^2/NDF:7363185.1/62

All: 497.041+/-0.041 χ^2/NDF: 14201567.7/11



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: 17.466+/-3.753 χ^2/NDF: 43.8/37

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

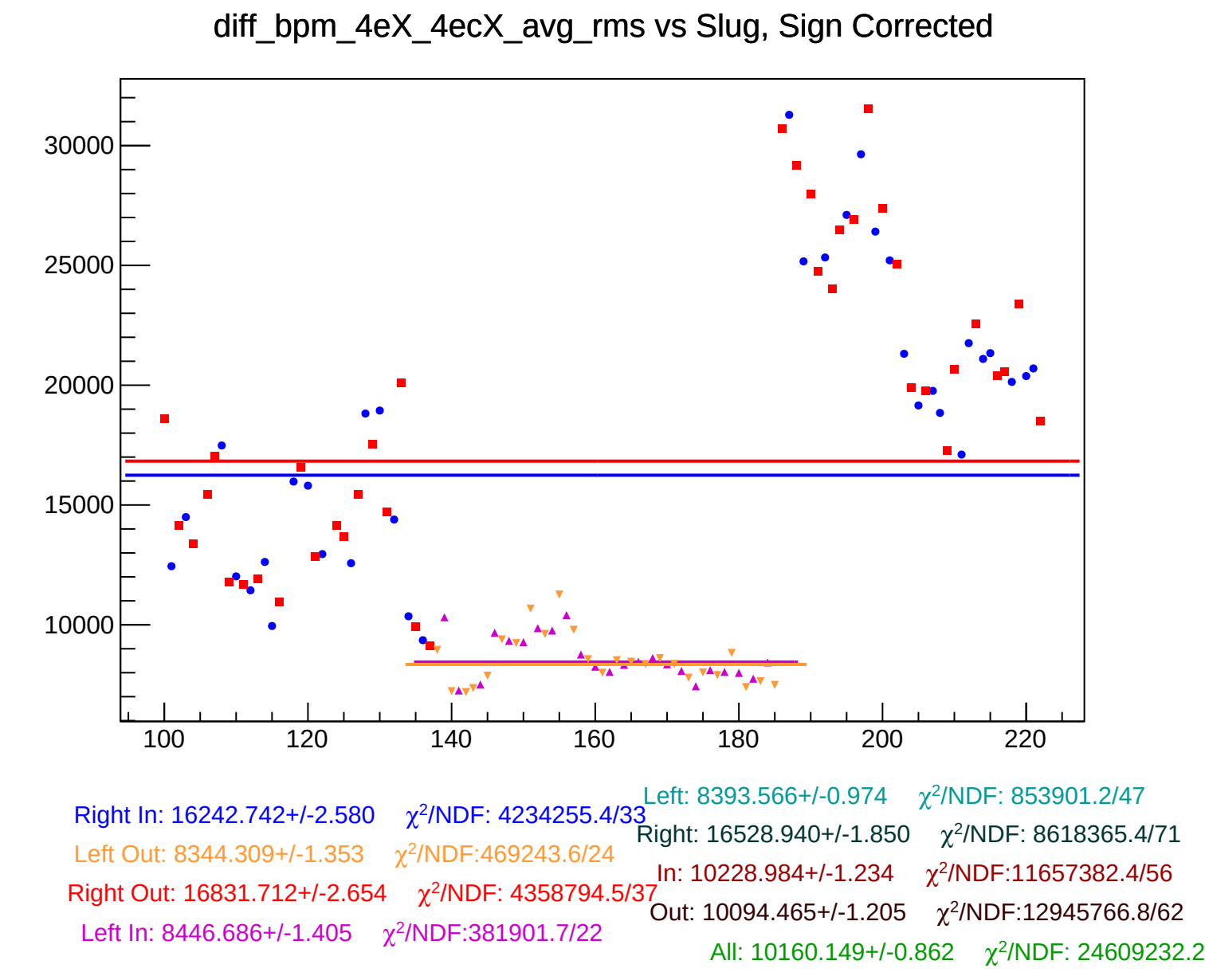
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

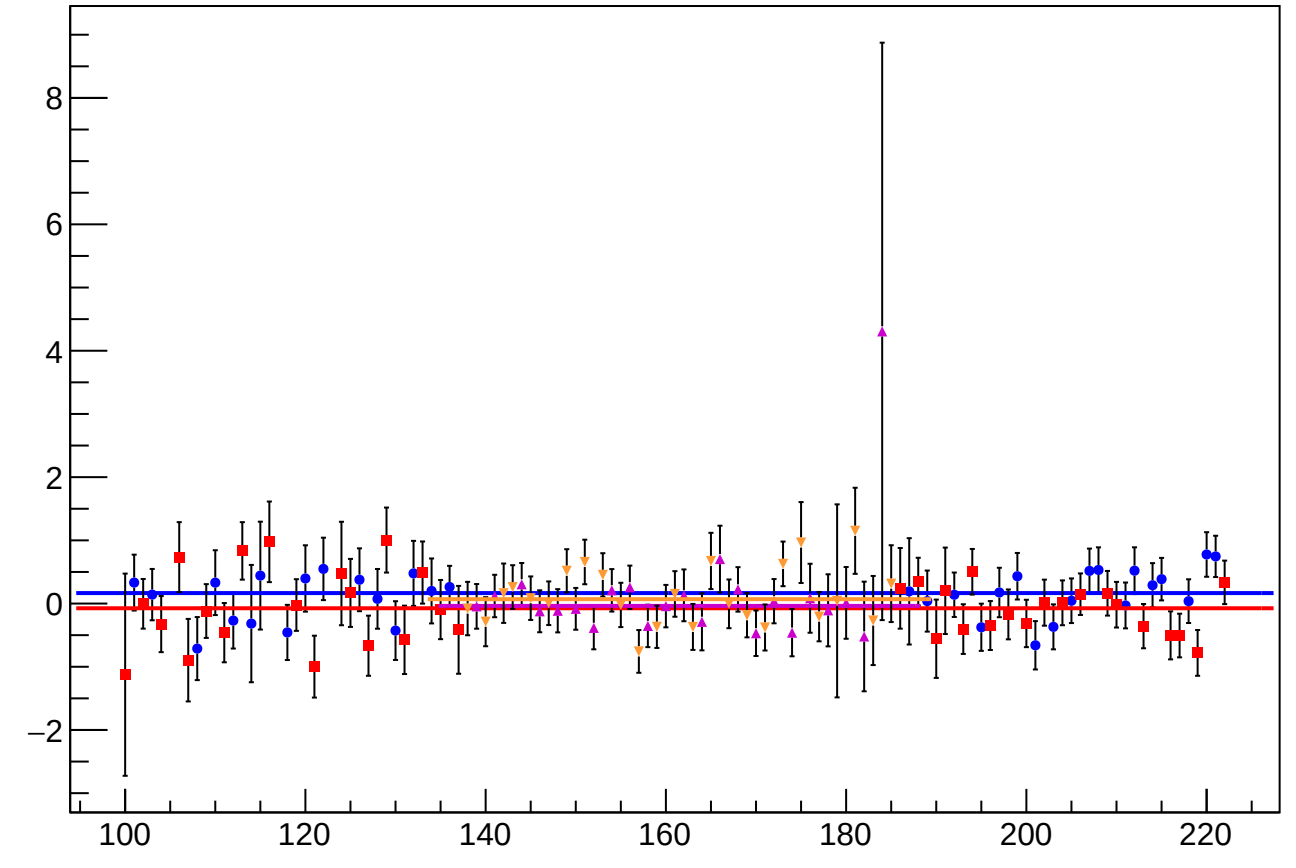
Right: -0.403+/-2.616 χ^2/NDF: 142.6/71

In: -3.161+/-1.745 χ^2/NDF:103.9/56

Out: -3.243+/-1.704 χ^2/NDF:143.7/62

All: -3.203+/-1.219 χ^2/NDF: 247.7/119


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: 16831.712+/-2.654 χ²/NDF: 4358794.5/37
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16528.940+/-1.850 χ²/NDF: 8618365.4/71
In: 10228.984+/-1.234 χ²/NDF:11657382.4/56
Out: 10094.465+/-1.205 χ²/NDF:12945766.8/62
All: 10160.149+/-0.862 χ²/NDF: 24609232.2



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: -0.074+/-0.071 χ^2/NDF: 40.8/37

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

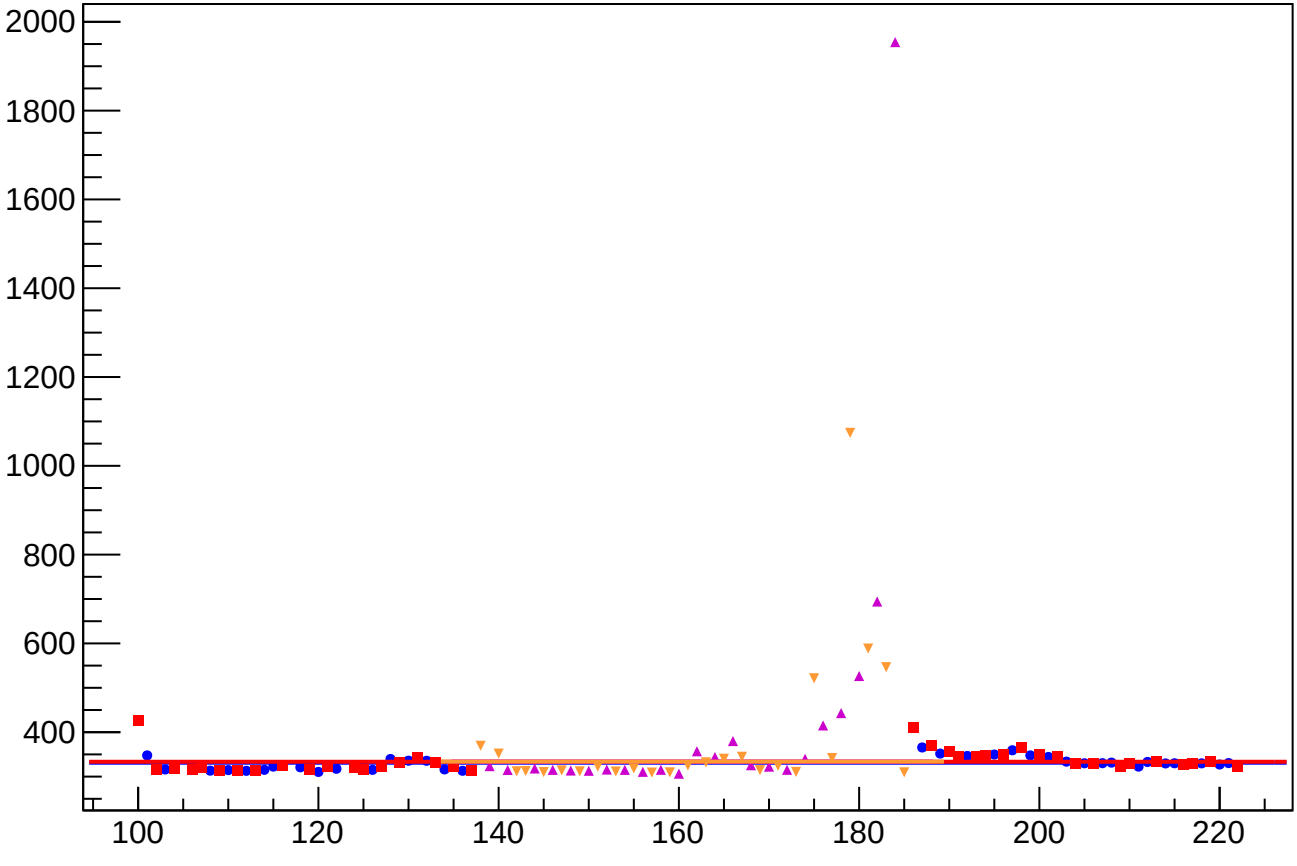
Right: 0.046+/-0.050 χ^2/NDF: 76.2/71

In: 0.078+/-0.053 χ^2/NDF:44.9/56

Out: -0.011+/-0.053 χ^2/NDF:70.8/62

All: 0.033+/-0.037 χ^2/NDF: 117.1/119

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: 333.420+/-0.050 χ^2/NDF: 122187.4/37

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

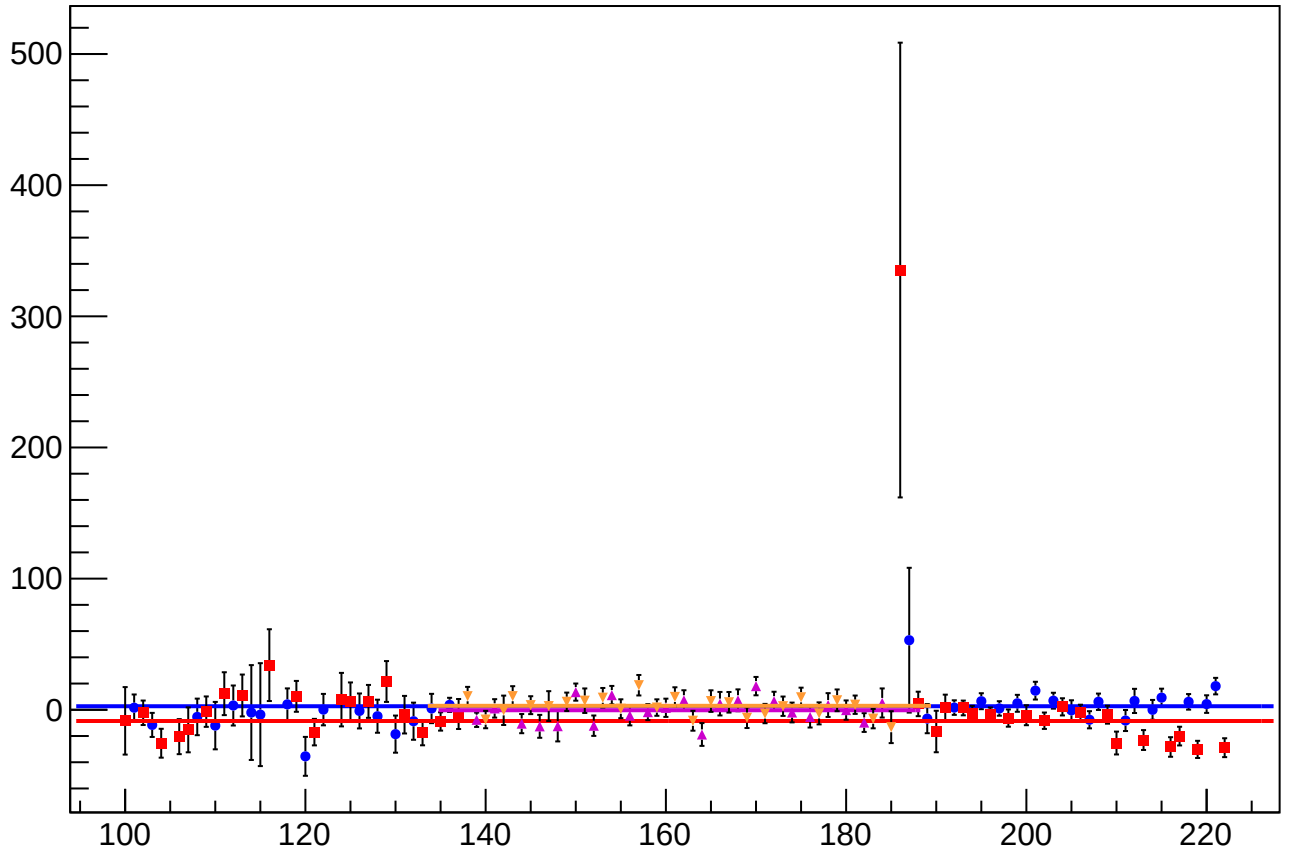
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.340+/-0.035 χ^2/NDF: 187792.2/71

In: 332.434+/-0.038 χ^2/NDF:1116934.5/56

Out: 333.581+/-0.037 χ^2/NDF:1339467.9/62

All: 333.014+/-0.026 χ^2/NDF: 2456872.6/119



Right In: 2.705+/-1.414 χ^2/NDF: 31.7/33

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -8.553+/-1.427 χ^2/NDF: 73.6/37

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

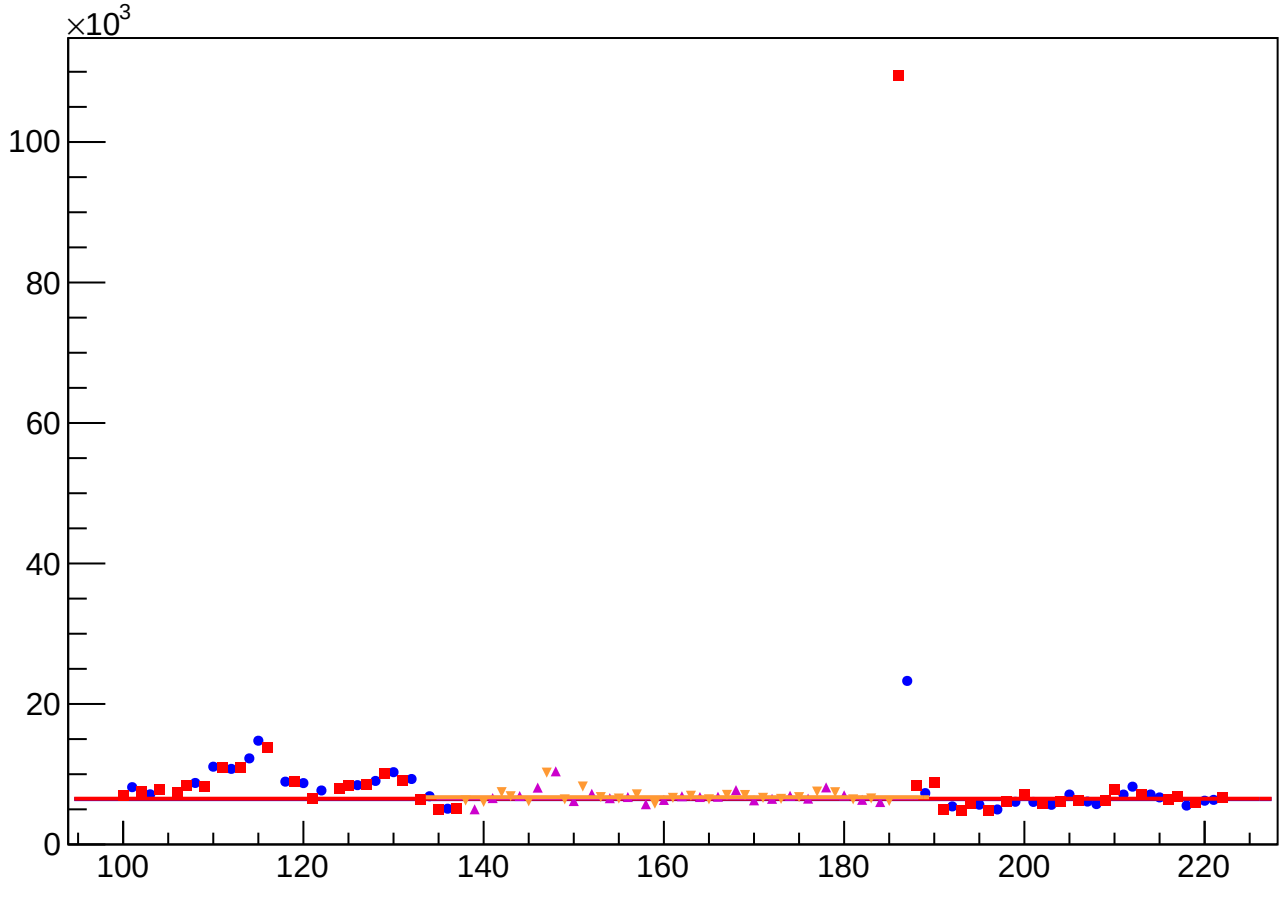
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.873+/-1.005 χ^2/NDF: 136.7/71

In: 1.334+/-1.050 χ^2/NDF:67.6/56

Out: -3.210+/-1.047 χ^2/NDF:124.3/62

All: -0.944+/-0.742 χ^2/NDF: 201.2/119



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: 6510.243+/-1.009 χ^2/NDF: 2458985.6/37

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

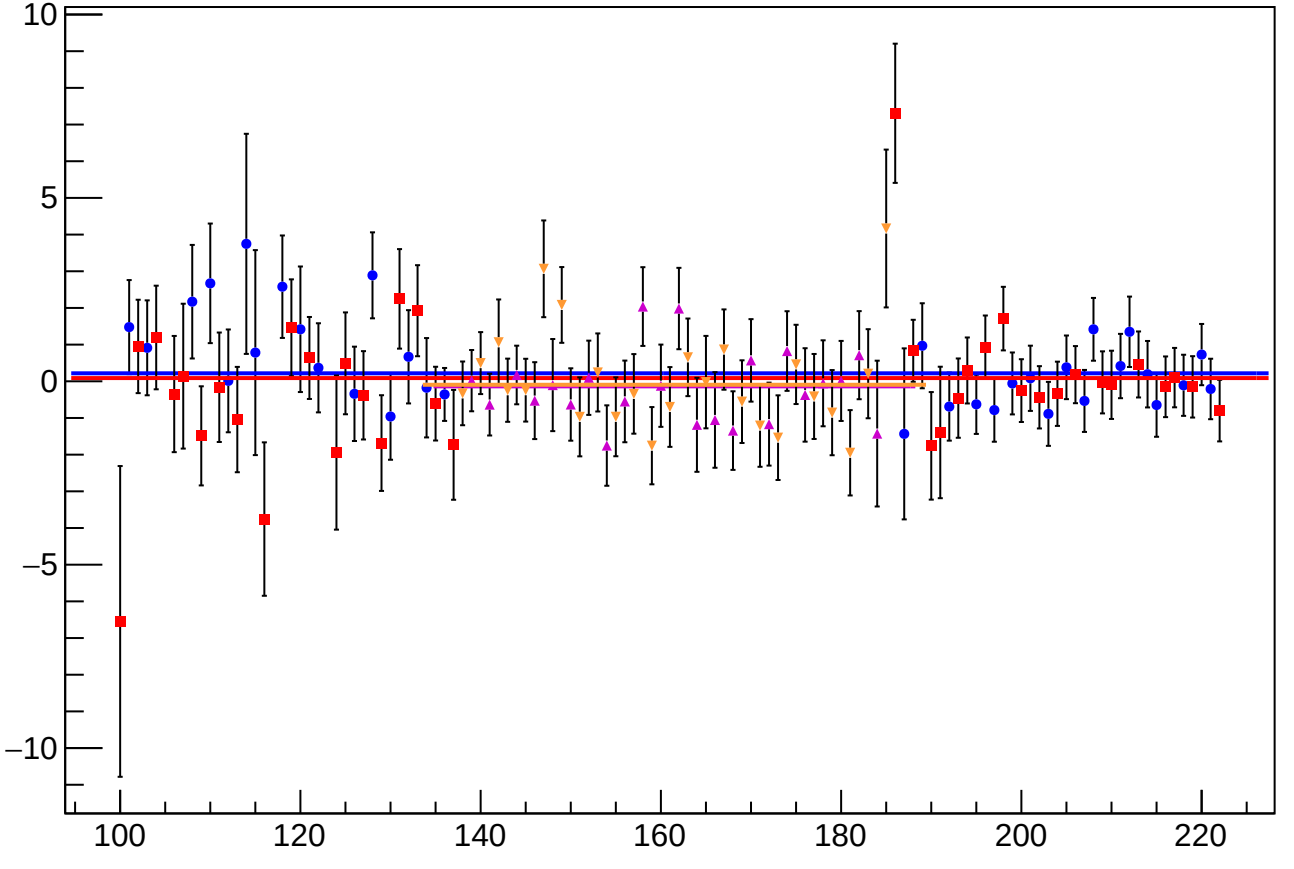
Right: 6481.664+/-0.710 χ^2/NDF: 4348984.1/71

In: 6533.946+/-0.743 χ^2/NDF:2532287.1/56

Out: 6608.439+/-0.741 χ^2/NDF:2882809.9/62

All: 6571.299+/-0.524 χ^2/NDF: 5420141.0/11

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.218+/-0.178 χ^2/NDF: 29.2/33

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.088+/-0.176 χ^2/NDF: 44.6/37

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

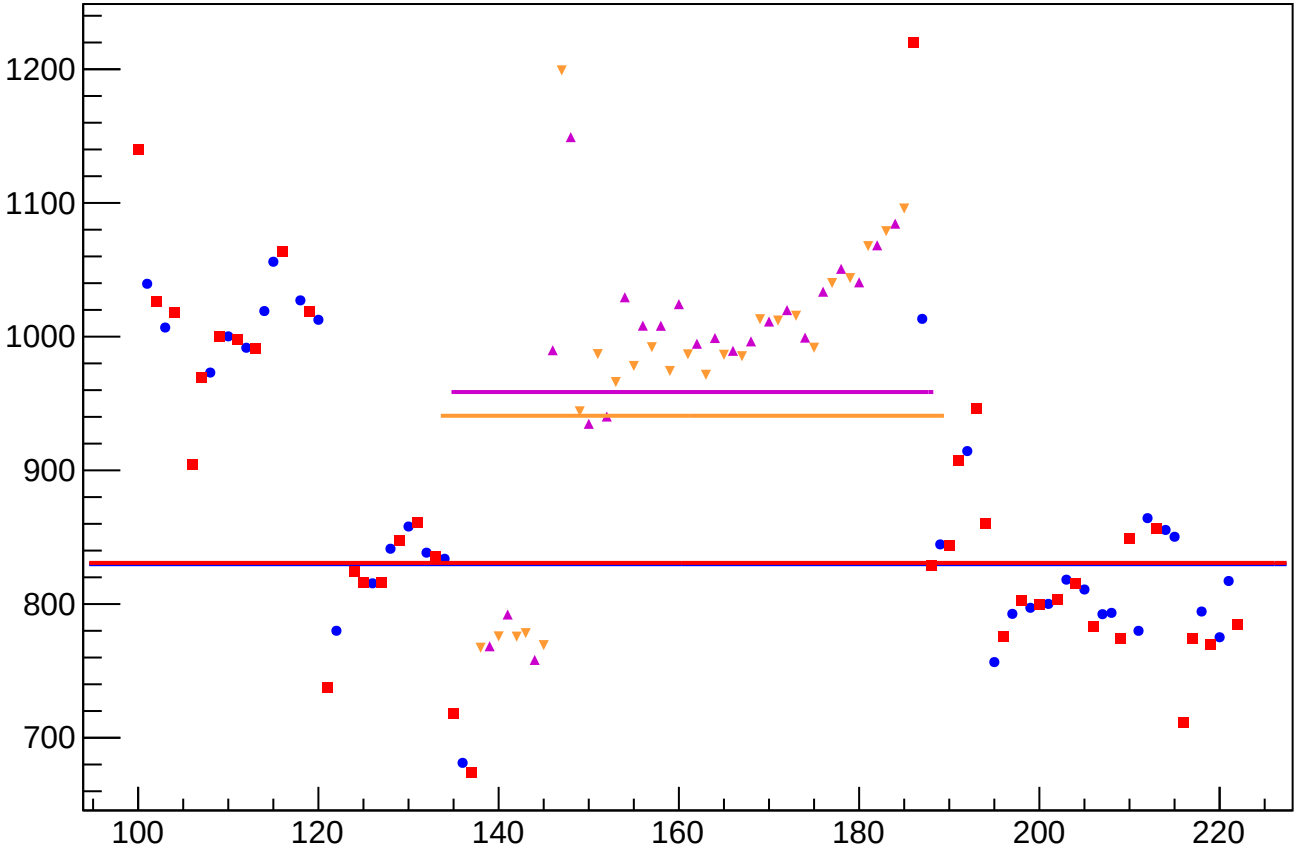
Right: 0.152+/-0.125 χ^2/NDF: 74.1/71

In: 0.081+/-0.139 χ^2/NDF:47.2/56

Out: 0.015+/-0.136 χ^2/NDF:72.4/62

All: 0.047+/-0.098 χ^2/NDF: 119.7/119

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 829.828+/-0.126 χ^2/NDF: 418137.8/33

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 830.782+/-0.125 χ^2/NDF: 531556.4/37

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

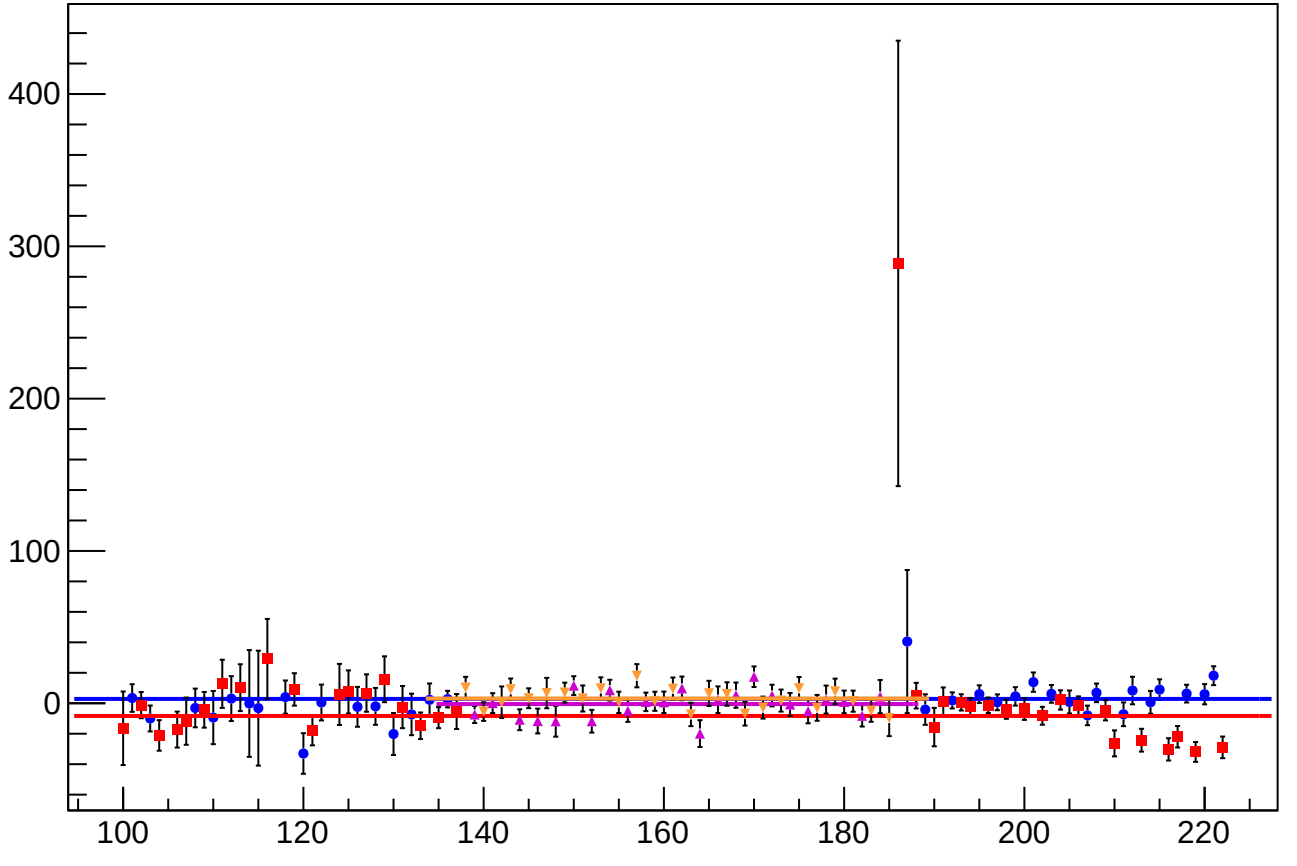
Right: 830.308+/-0.088 χ^2/NDF: 949723.2/71

In: 879.130+/-0.099 χ^2/NDF:1277844.6/56

Out: 874.982+/-0.097 χ^2/NDF:1412873.2/62

All: 877.012+/-0.069 χ^2/NDF: 2691621.5/119

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: -8.338+/-1.368 χ^2/NDF: 80.8/37

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

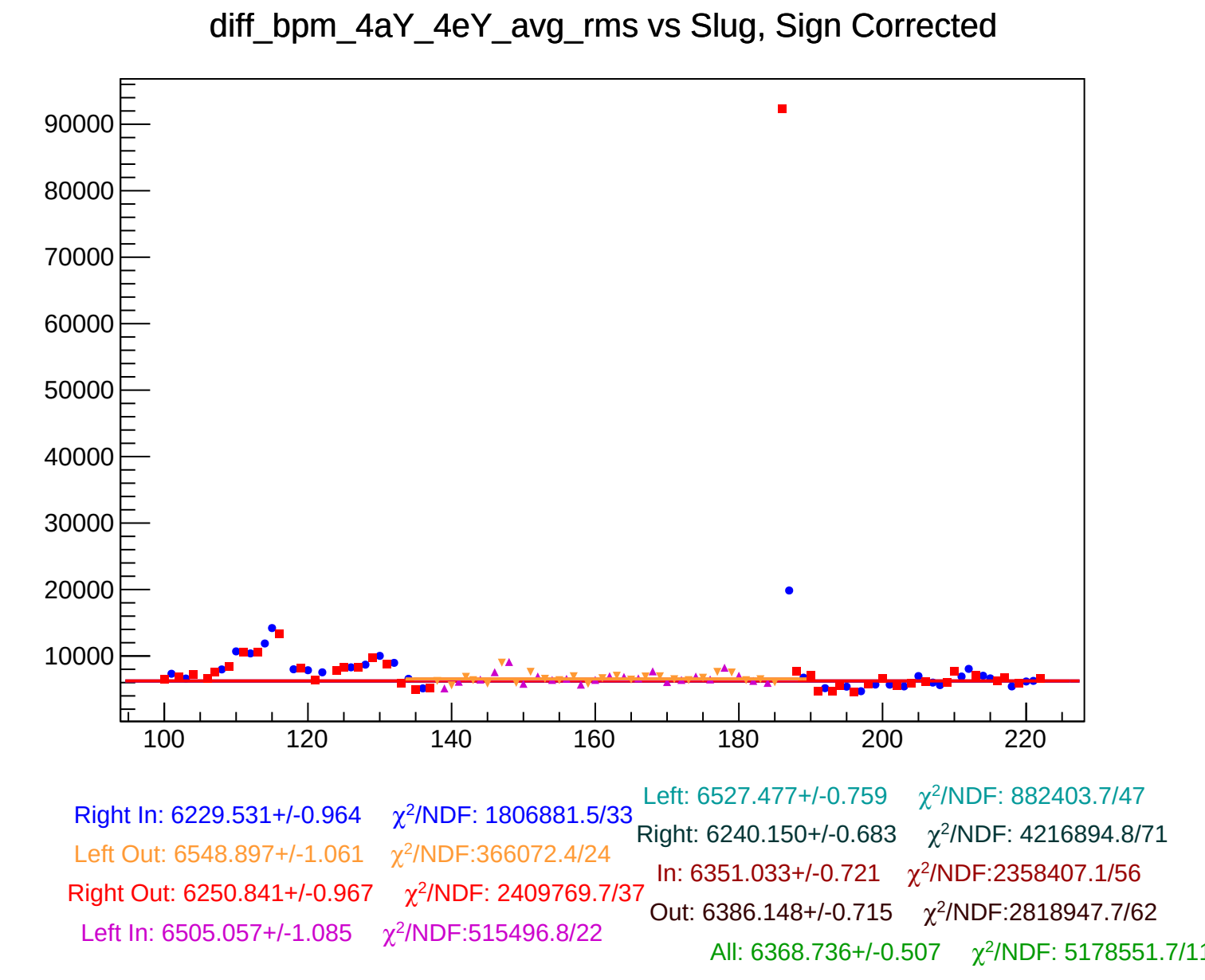
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

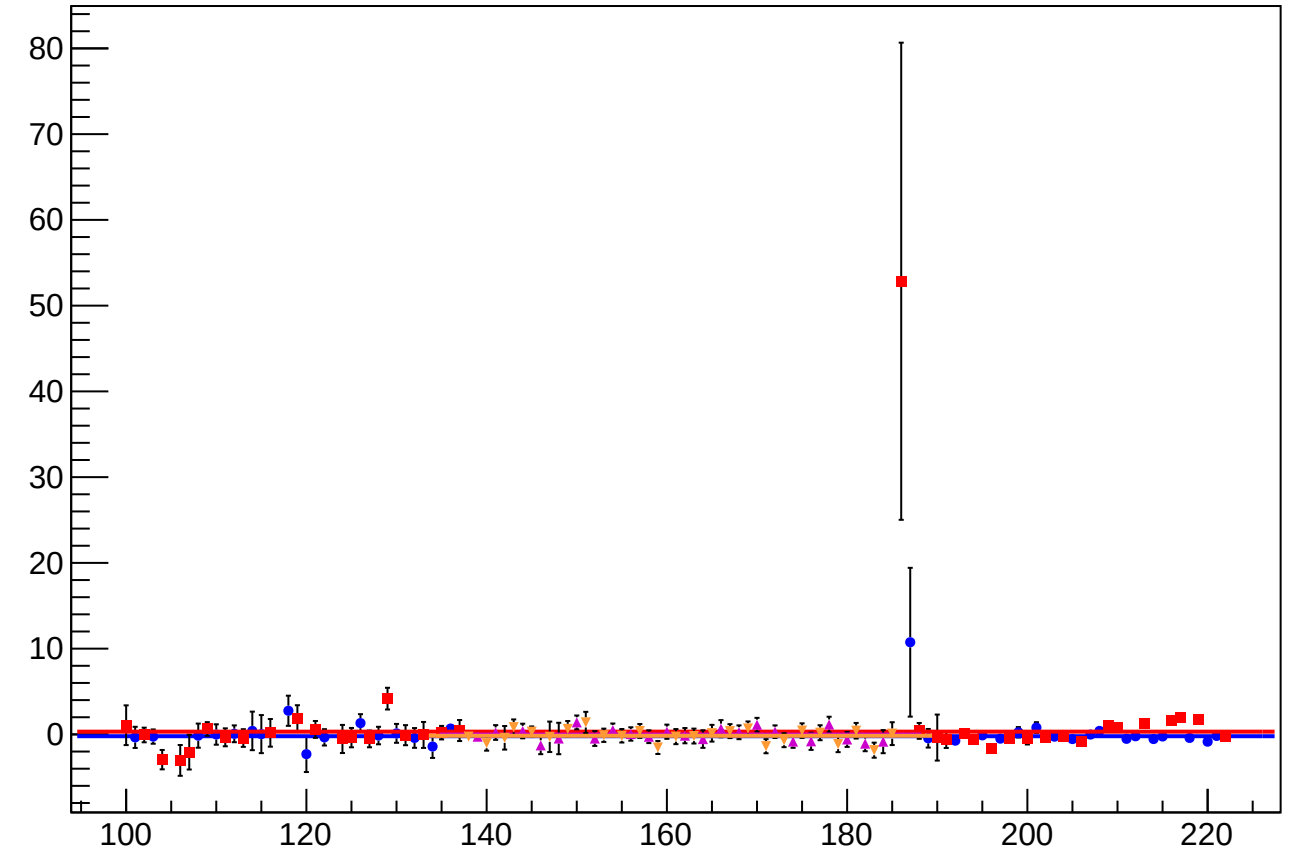
Right: -2.723+/-0.966 χ^2/NDF: 146.3/71

In: 1.367+/-1.019 χ^2/NDF:66.7/56

Out: -3.146+/-1.011 χ^2/NDF:131.1/62

All: -0.908+/-0.718 χ^2/NDF: 207.7/119


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 6229.531+/-0.964 χ²/NDF: 1806881.5/33
Left Out: 6548.897+/-1.061 χ²/NDF:366072.4/24
Right Out: 6250.841+/-0.967 χ²/NDF: 2409769.7/37
Left In: 6505.057+/-1.085 χ²/NDF:515496.8/22
Left: 6527.477+/-0.759 χ²/NDF: 882403.7/47
Right: 6240.150+/-0.683 χ²/NDF: 4216894.8/71
In: 6351.033+/-0.721 χ²/NDF:2358407.1/56
Out: 6386.148+/-0.715 χ²/NDF:2818947.7/62
All: 6368.736+/-0.507 χ²/NDF: 5178551.7/11



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: 0.319+/-0.113 χ^2/NDF: 103.7/37

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

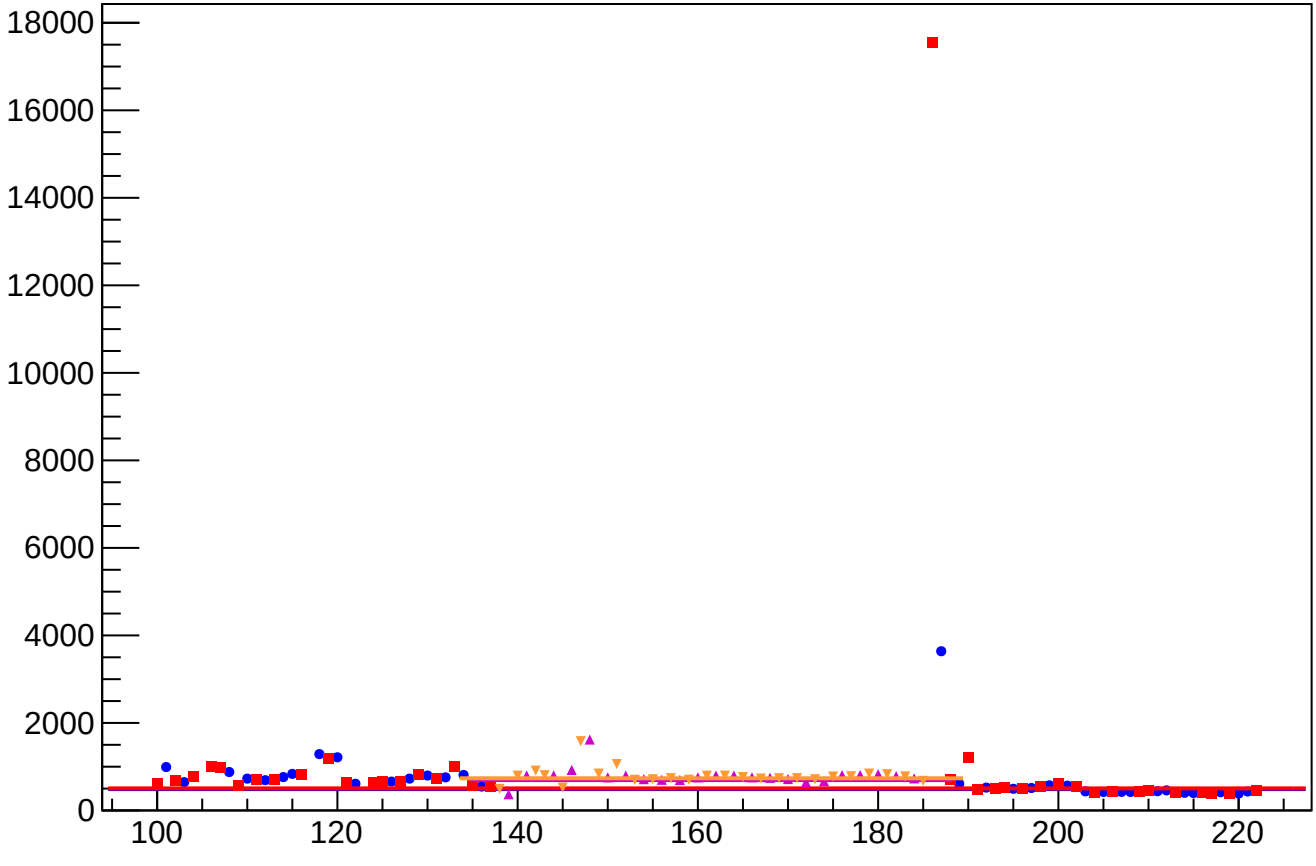
Right: 0.044+/-0.078 χ^2/NDF: 136.9/71

In: -0.155+/-0.091 χ^2/NDF:37.8/56

Out: 0.175+/-0.094 χ^2/NDF:128.1/62

All: 0.005+/-0.066 χ^2/NDF: 172.3/119

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: 503.881+/-0.080 χ^2/NDF: 3407544.0/37

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

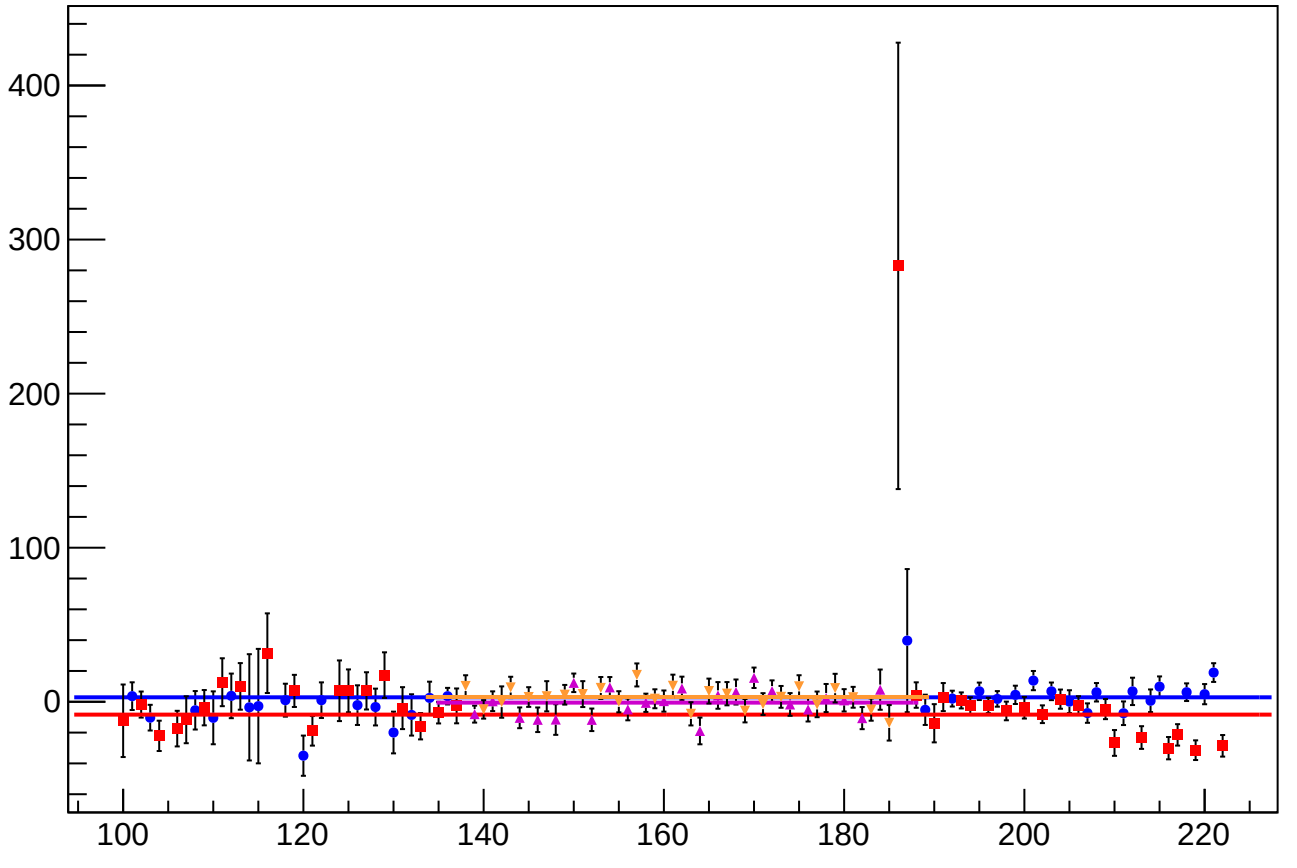
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 496.008+/-0.055 χ^2/NDF: 6420641.9/71

In: 548.752+/-0.065 χ^2/NDF:7309674.8/56

Out: 573.126+/-0.067 χ^2/NDF:7272619.0/62

All: 560.572+/-0.046 χ^2/NDF: 14651239.2/11



Right In: 2.898+/-1.338 χ^2/NDF: 35.2/33

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -8.336+/-1.342 χ^2/NDF: 81.1/37

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

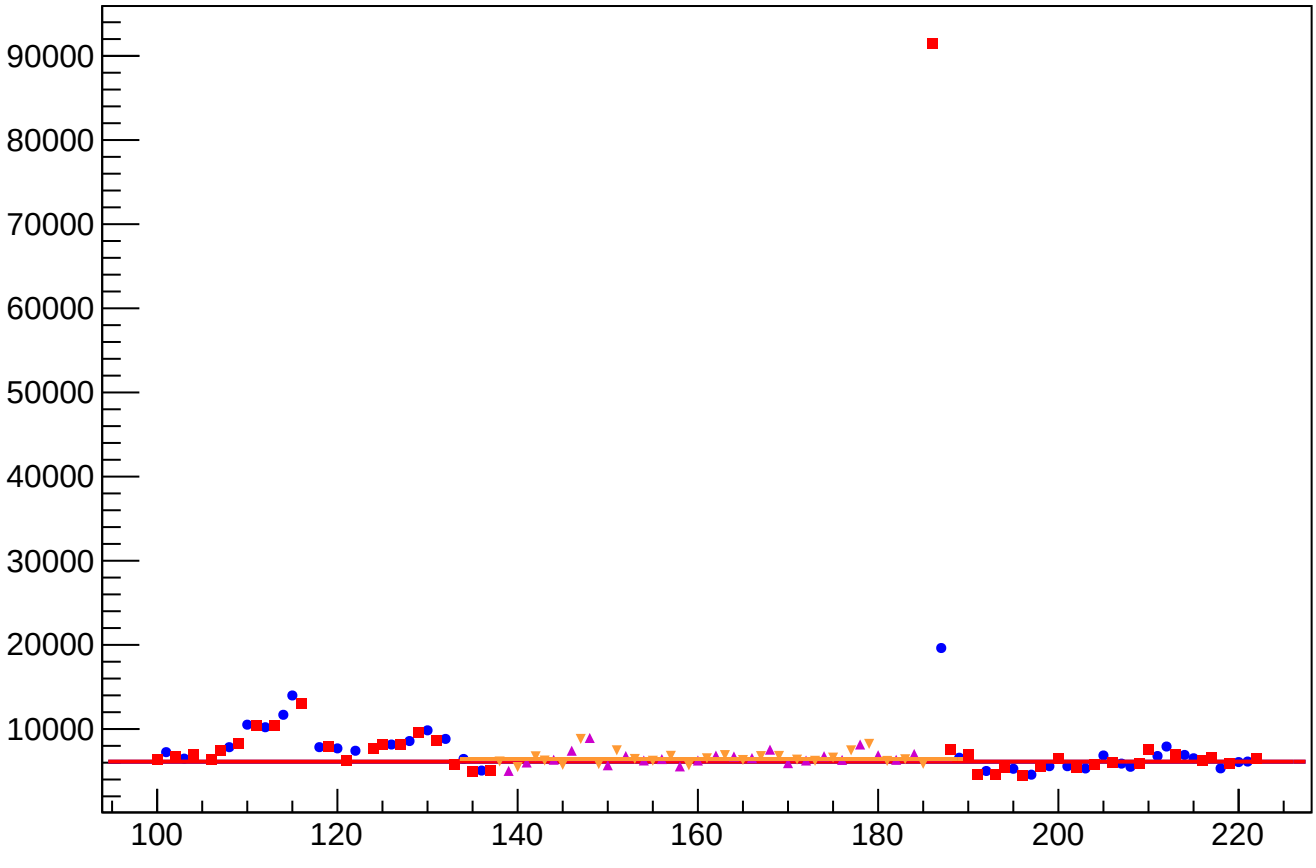
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.701+/-0.947 χ^2/NDF: 151.5/71

In: 1.385+/-1.002 χ^2/NDF:71.7/56

Out: -3.157+/-0.993 χ^2/NDF:132.8/62

All: -0.907+/-0.705 χ^2/NDF: 214.9/119



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: 6127.585+/-0.949 χ^2/NDF: 2437199.5/37

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

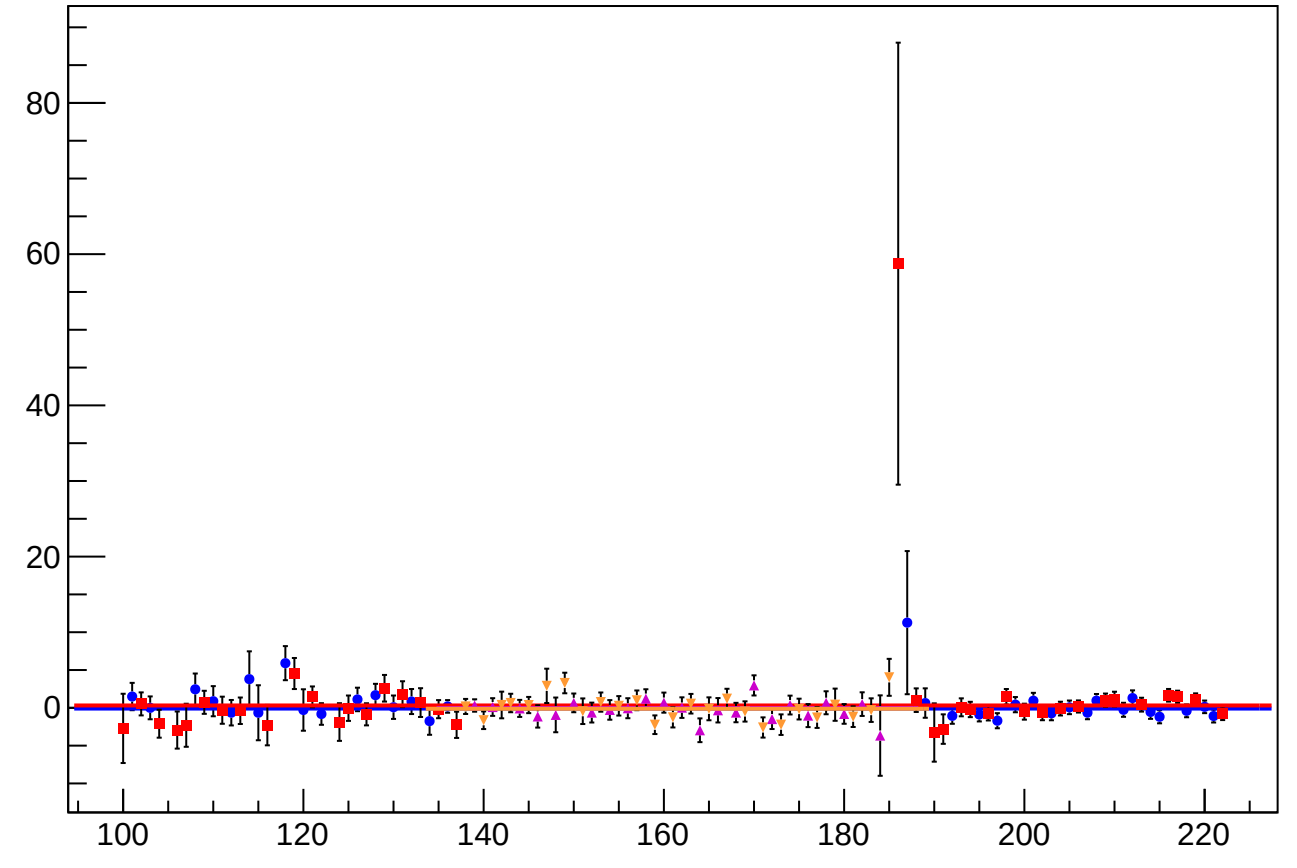
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6117.927+/-0.670 χ^2/NDF: 4275165.4/71

In: 6238.634+/-0.708 χ^2/NDF:2406084.7/56

Out: 6266.831+/-0.702 χ^2/NDF:2902122.1/62

All: 6252.860+/-0.499 χ^2/NDF: 5309005.9/11



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: 0.312+/-0.203 χ^2/NDF: 37.6/37

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

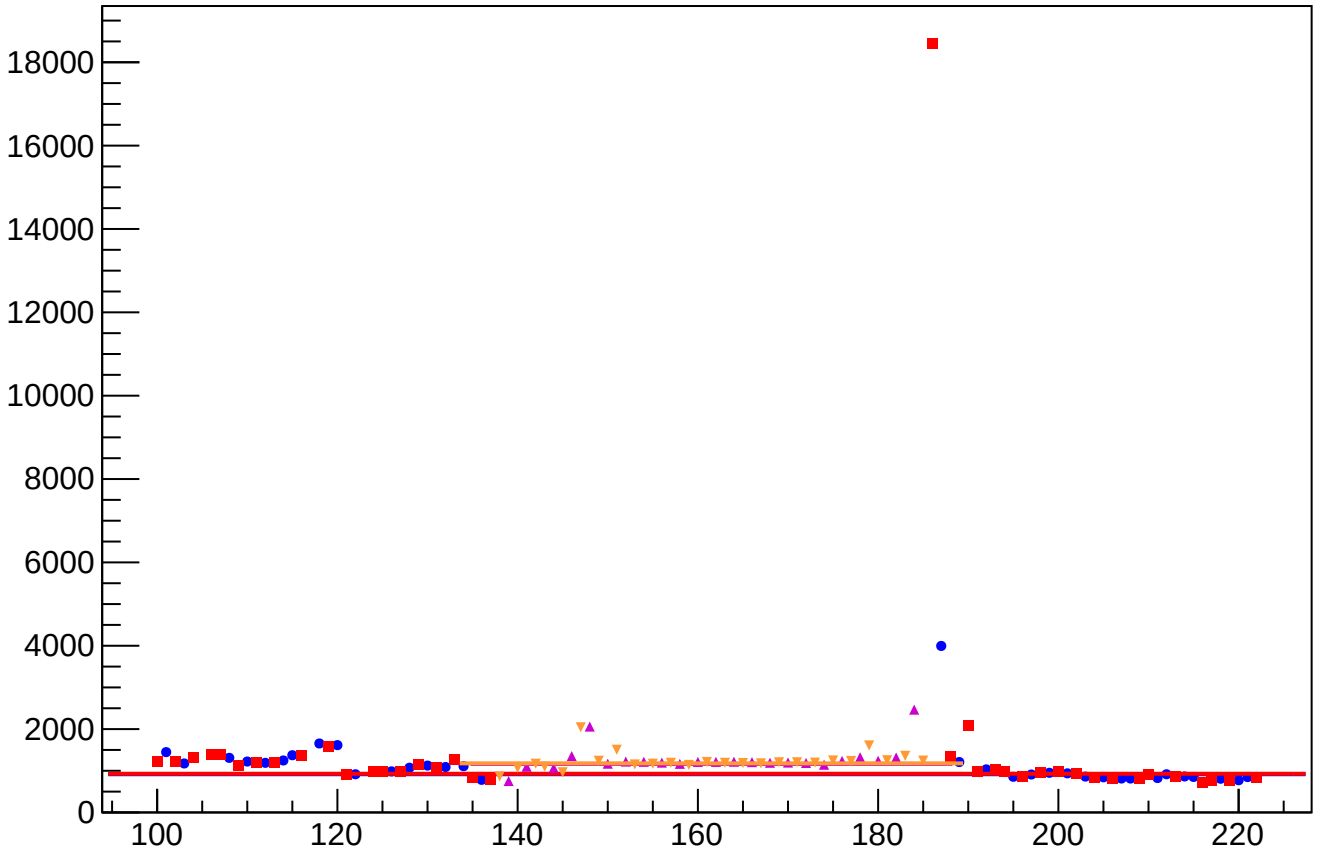
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.104+/-0.142 χ^2/NDF: 68.6/71

In: -0.074+/-0.162 χ^2/NDF:43.4/56

Out: 0.158+/-0.163 χ^2/NDF:66.2/62

All: 0.041+/-0.115 χ^2/NDF: 110.6/119



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: 928.411+/-0.143 χ^2/NDF: 2310922.9/37

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

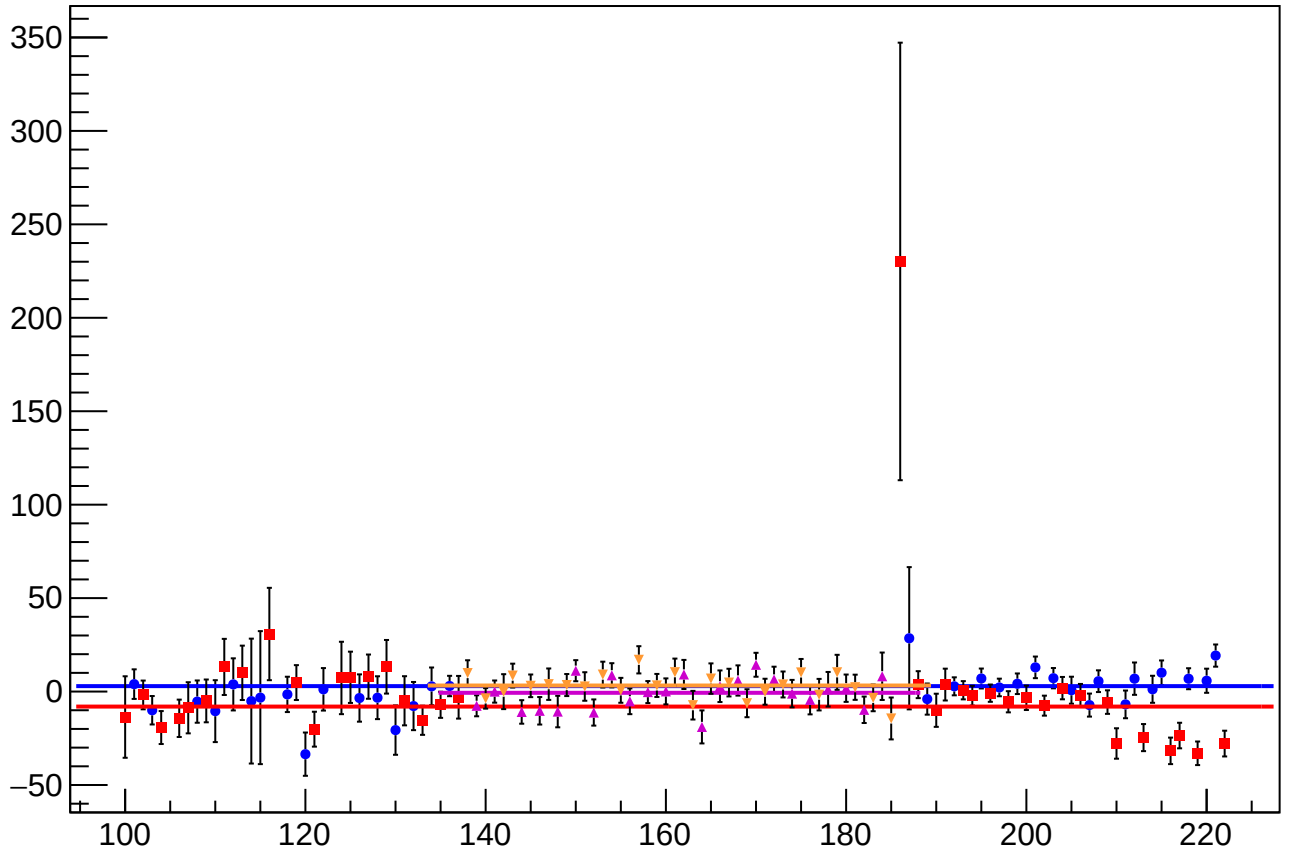
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 922.788+/-0.101 χ^2/NDF: 3776447.7/71

In: 1001.018+/-0.115 χ^2/NDF:3548921.1/56

Out: 1016.992+/-0.115 χ^2/NDF:4184425.7/62

All: 1008.974+/-0.081 χ^2/NDF: 7742995.4/11



Right In: 2.908+/-1.275 χ^2/NDF: 38.6/33

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -8.036+/-1.268 χ^2/NDF: 91.1/37

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

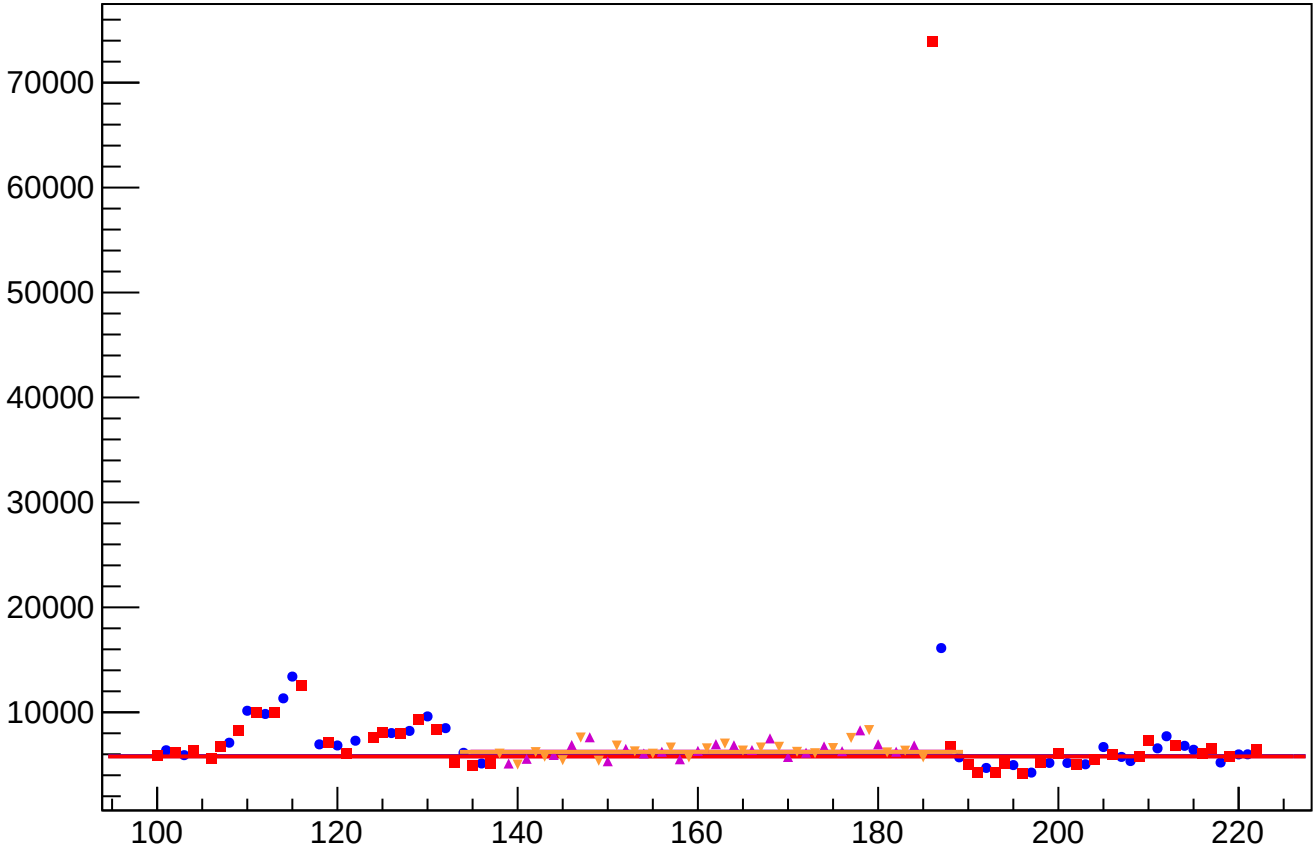
Right: -2.592+/-0.899 χ^2/NDF: 166.8/71

In: 1.378+/-0.964 χ^2/NDF:74.3/56

Out: -3.072+/-0.949 χ^2/NDF:143.8/62

All: -0.883+/-0.676 χ^2/NDF: 229.0/119

diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected



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: 5792.332+/-0.897 χ^2/NDF: 2526072.5/37

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

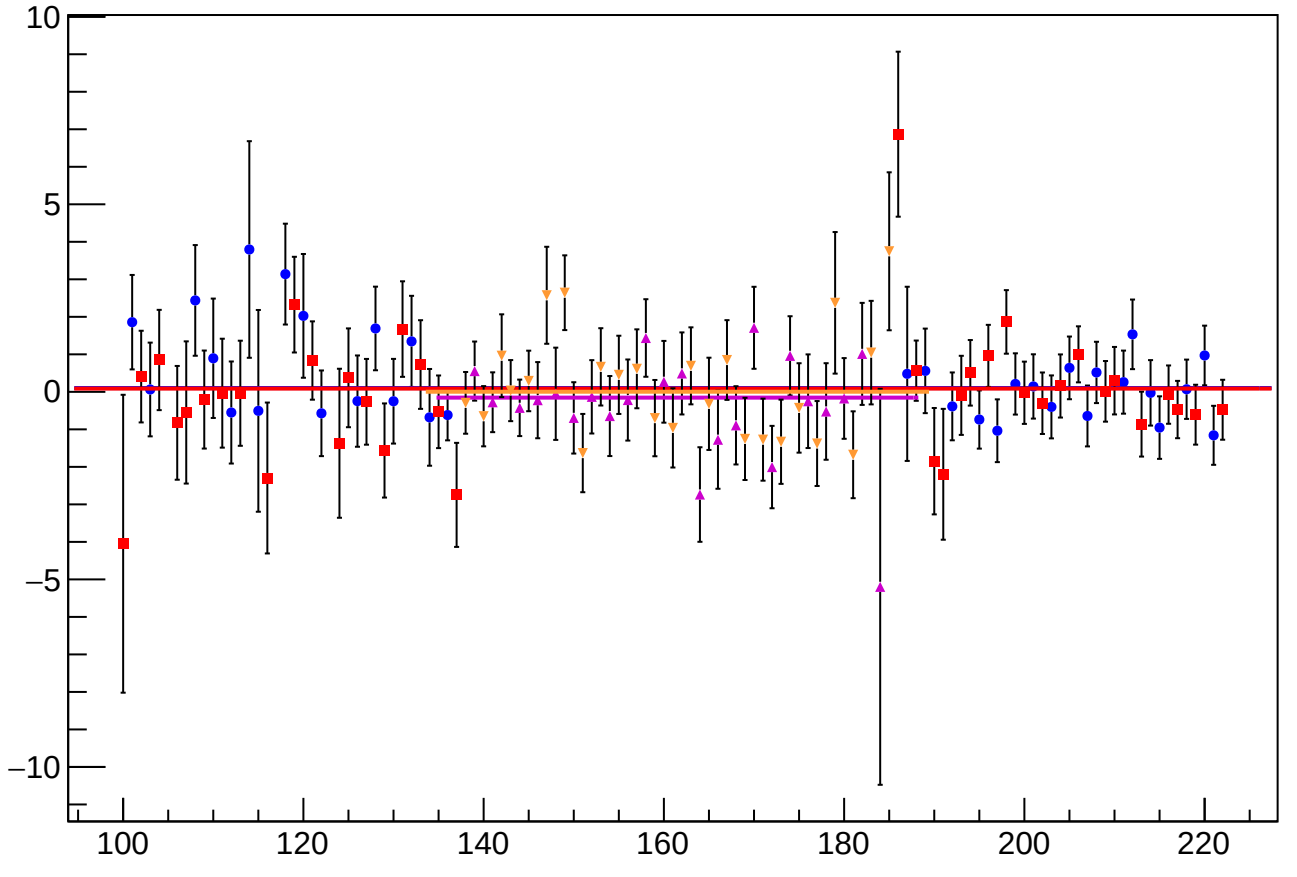
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5807.509+/-0.636 χ^2/NDF: 4381736.1/71

In: 6004.303+/-0.682 χ^2/NDF:2434748.8/56

Out: 5984.514+/-0.671 χ^2/NDF:3101169.1/62

All: 5994.250+/-0.478 χ^2/NDF: 5536346.0/11



Right In: 0.101+/-0.170 χ^2/NDF: 31.4/33

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.087+/-0.169 χ^2/NDF: 39.9/37

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

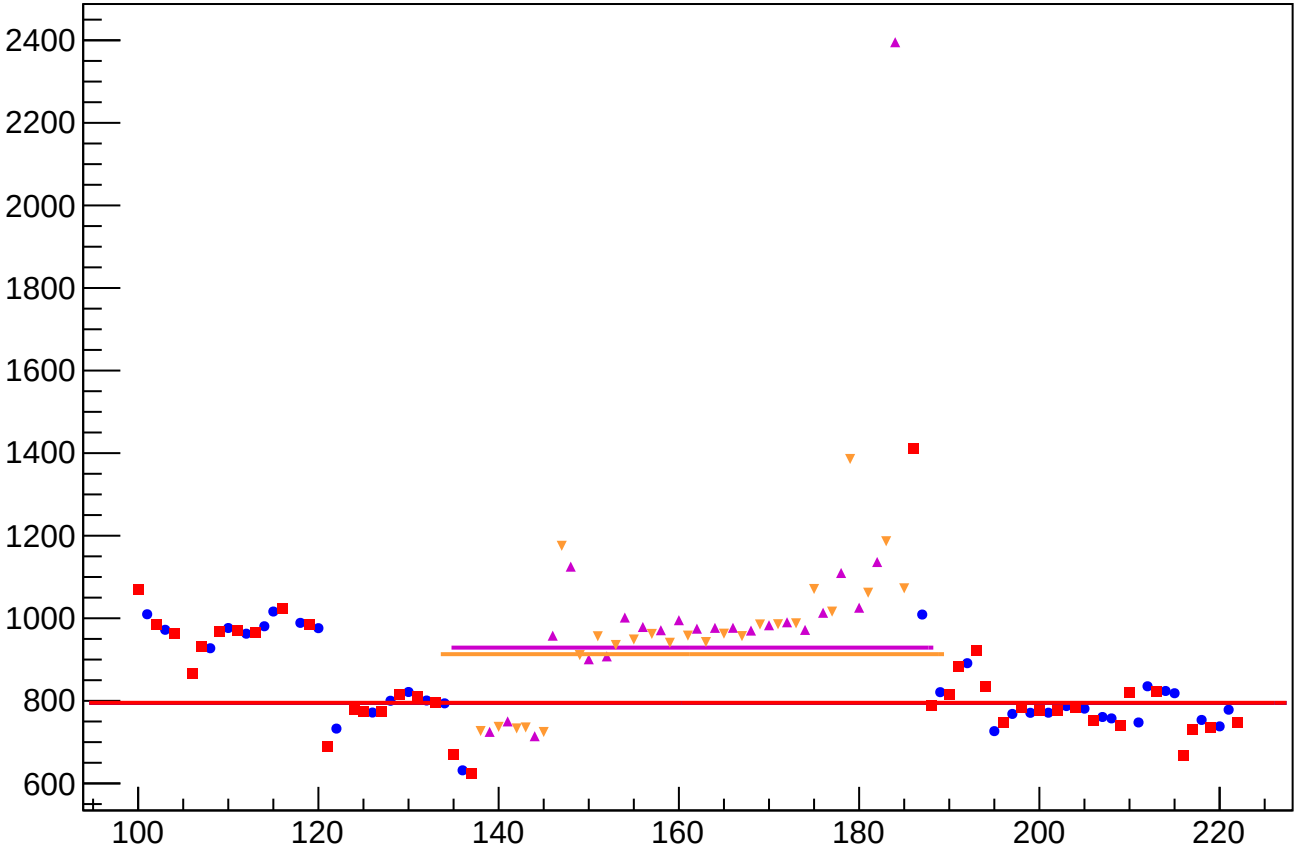
Right: 0.094+/-0.120 χ^2/NDF: 71.3/71

In: 0.006+/-0.135 χ^2/NDF:50.6/56

Out: 0.054+/-0.132 χ^2/NDF:71.6/62

All: 0.031+/-0.094 χ^2/NDF: 122.3/119

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: 795.236+/-0.120 χ^2/NDF: 665558.9/37

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

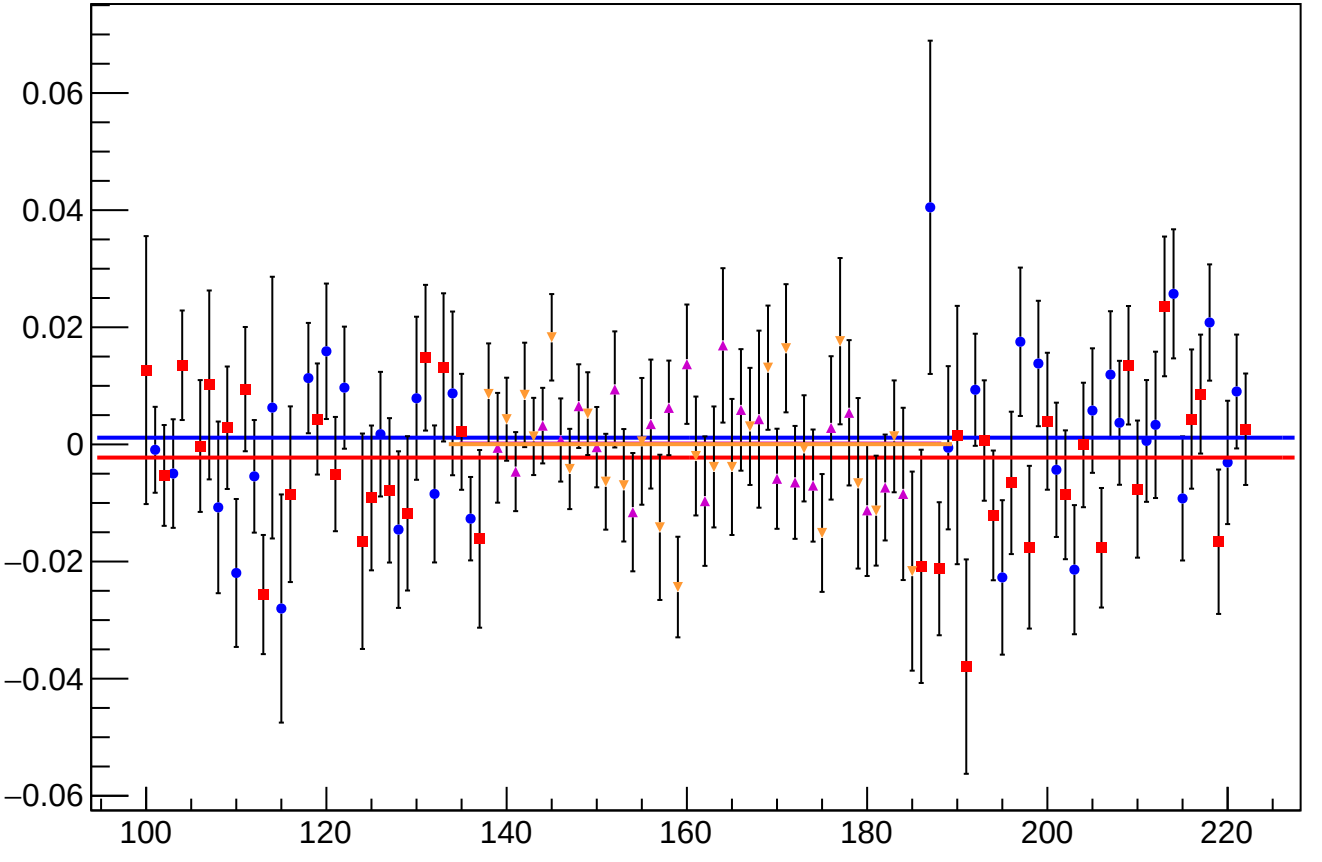
Right: 795.016+/-0.085 χ^2/NDF: 1149370.6/71

In: 844.733+/-0.095 χ^2/NDF:1714912.4/56

Out: 841.134+/-0.094 χ^2/NDF:1932240.2/62

All: 842.898+/-0.067 χ^2/NDF: 3647878.1/119

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF: 42.4/33

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.002+/-0.002 χ^2/NDF: 40.6/37

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

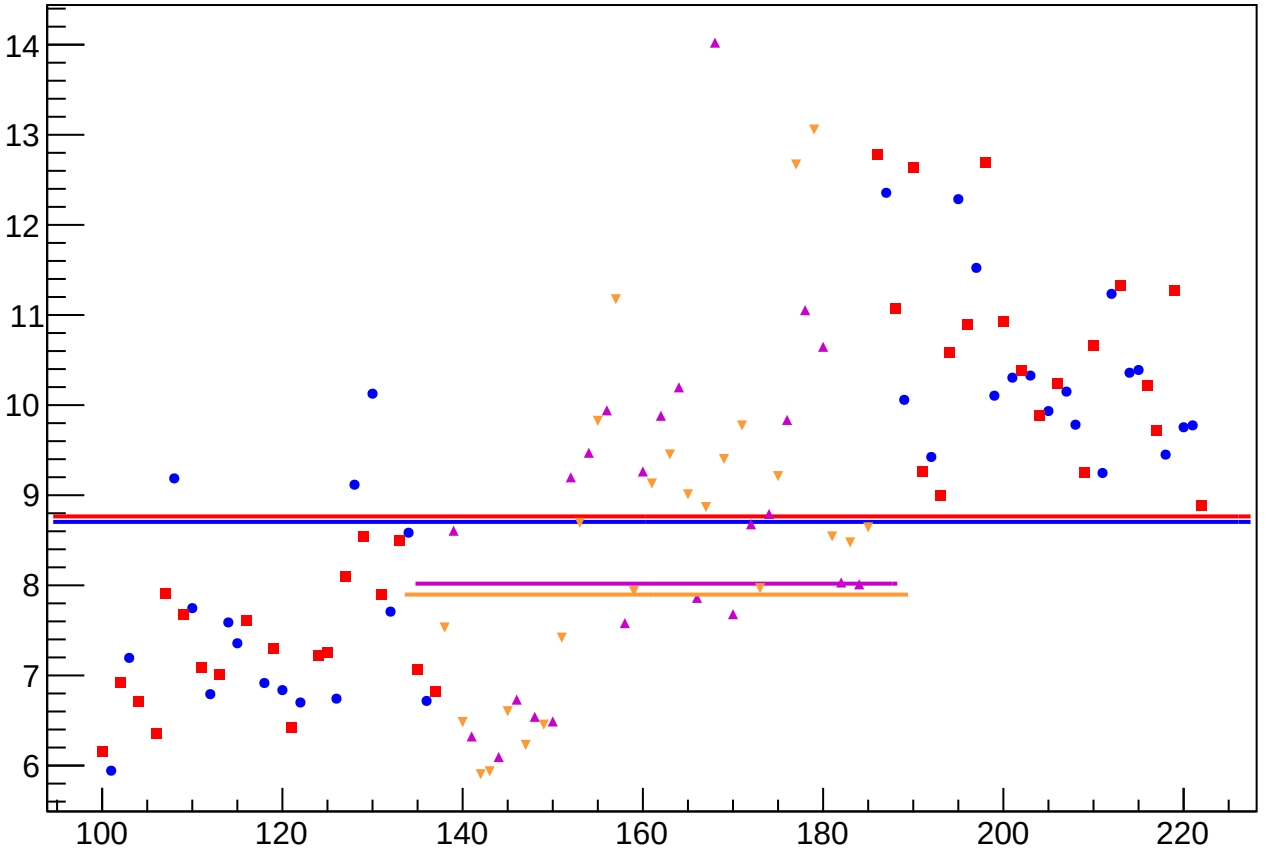
Right: -0.001+/-0.001 χ^2/NDF: 84.6/71

In: 0.001+/-0.001 χ^2/NDF:55.4/56

Out: -0.001+/-0.001 χ^2/NDF:72.4/62

All: -0.000+/-0.001 χ^2/NDF: 128.6/119

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: 8.765+/-0.001 χ^2/NDF: 1727360.1/37

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

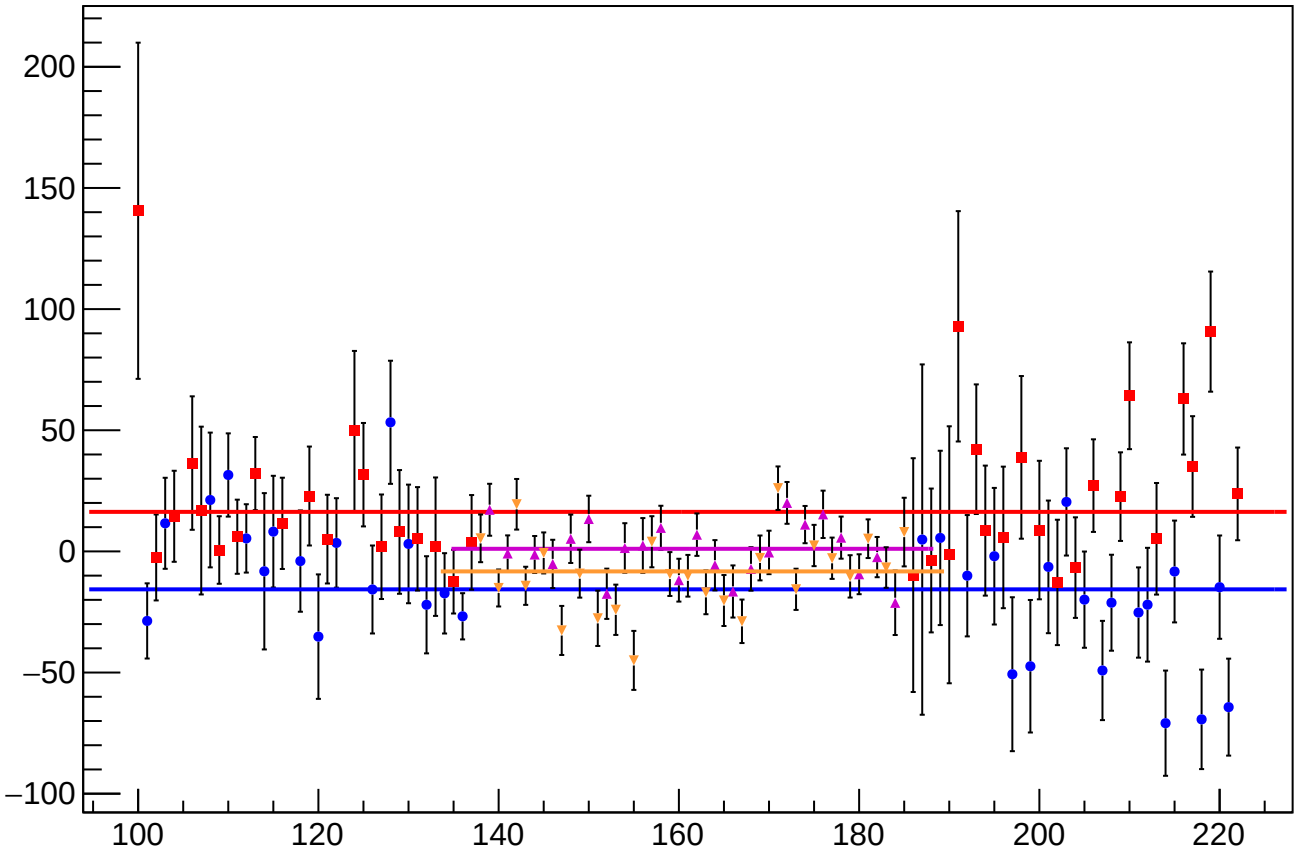
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.734+/-0.001 χ^2/NDF: 3379130.4/71

In: 8.366+/-0.001 χ^2/NDF:3235858.7/56

Out: 8.320+/-0.001 χ^2/NDF:3533656.6/62

All: 8.342+/-0.001 χ^2/NDF: 6770707.7/119



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: 16.314+/-3.547 χ^2/NDF: 43.2/37

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

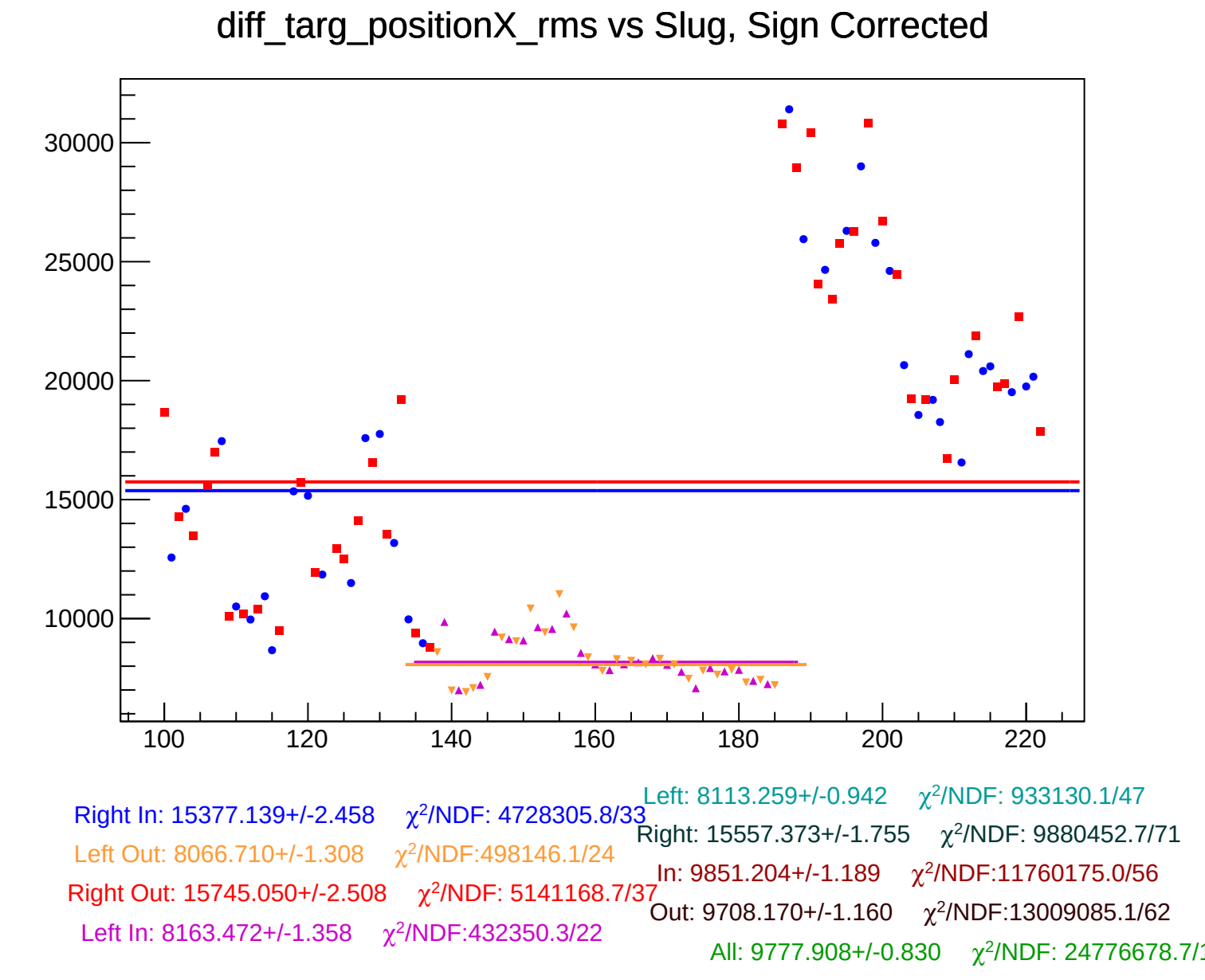
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 0.002+/-2.482 χ^2/NDF: 140.0/71

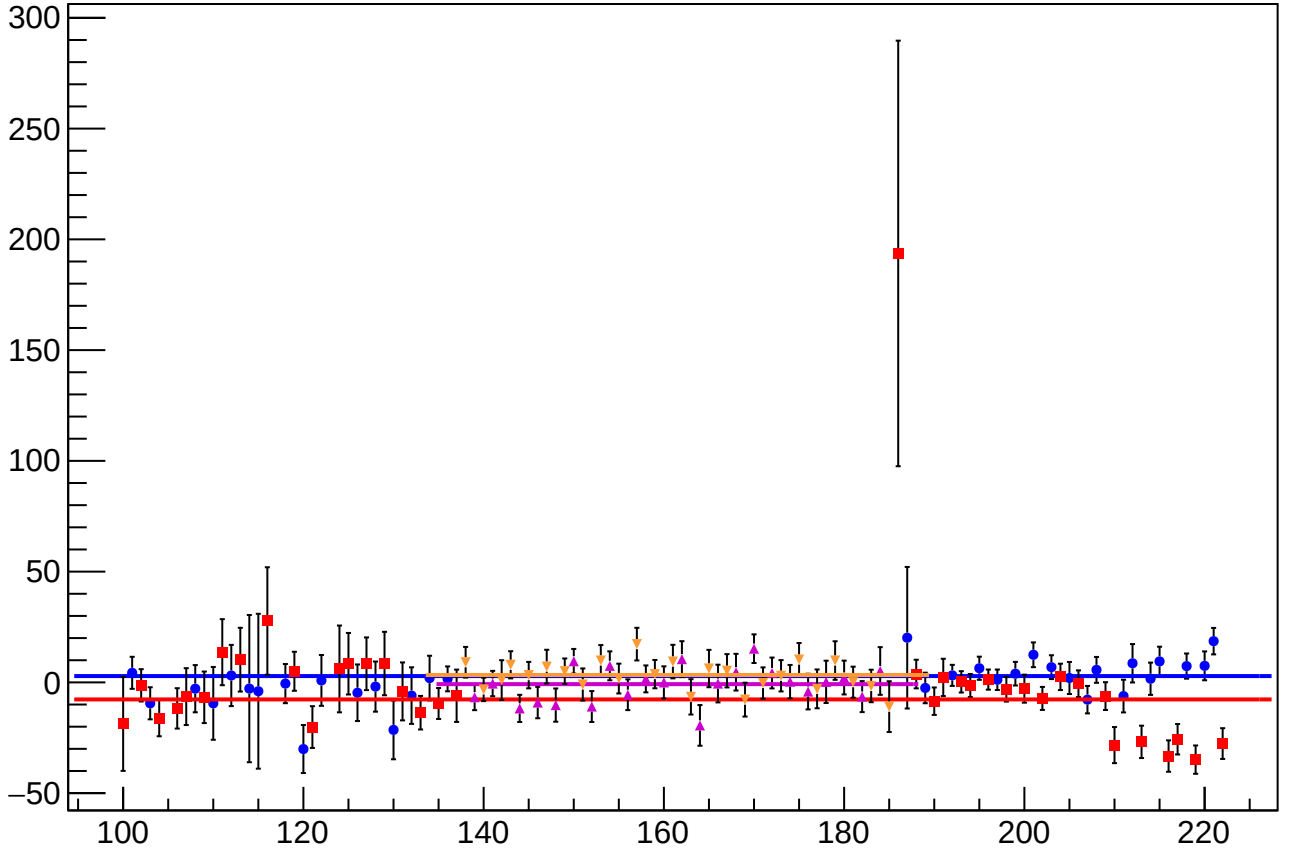
In: -2.844+/-1.681 χ^2/NDF:102.0/56

Out: -3.004+/-1.640 χ^2/NDF:143.1/62

All: -2.926+/-1.174 χ^2/NDF: 245.0/119


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15377.139+/-2.458 χ²/NDF: 4728305.8/33
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15745.050+/-2.508 χ²/NDF: 5141168.7/37
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15557.373+/-1.755 χ²/NDF: 9880452.7/71
In: 9851.204+/-1.189 χ²/NDF:11760175.0/56
Out: 9708.170+/-1.160 χ²/NDF:13009085.1/62
All: 9777.908+/-0.830 χ²/NDF: 24776678.7/1

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: -7.694+/-1.235 χ^2/NDF: 99.7/37

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

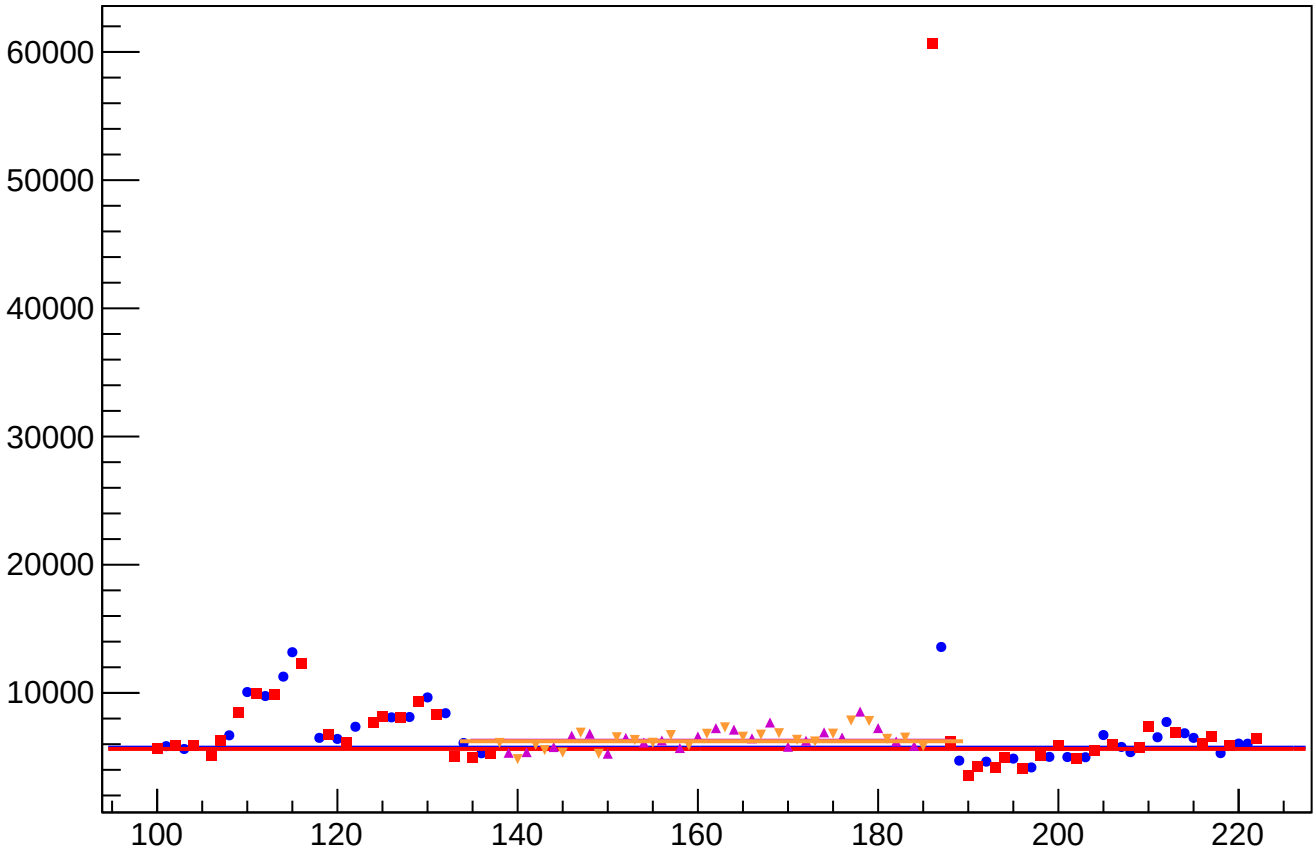
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -2.506+/-0.880 χ^2/NDF: 172.5/71

In: 1.321+/-0.957 χ^2/NDF:69.9/56

Out: -2.985+/-0.935 χ^2/NDF:150.6/62

All: -0.881+/-0.669 χ^2/NDF: 230.9/119



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: 5631.463+/-0.874 χ^2/NDF: 2768922.1/37

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

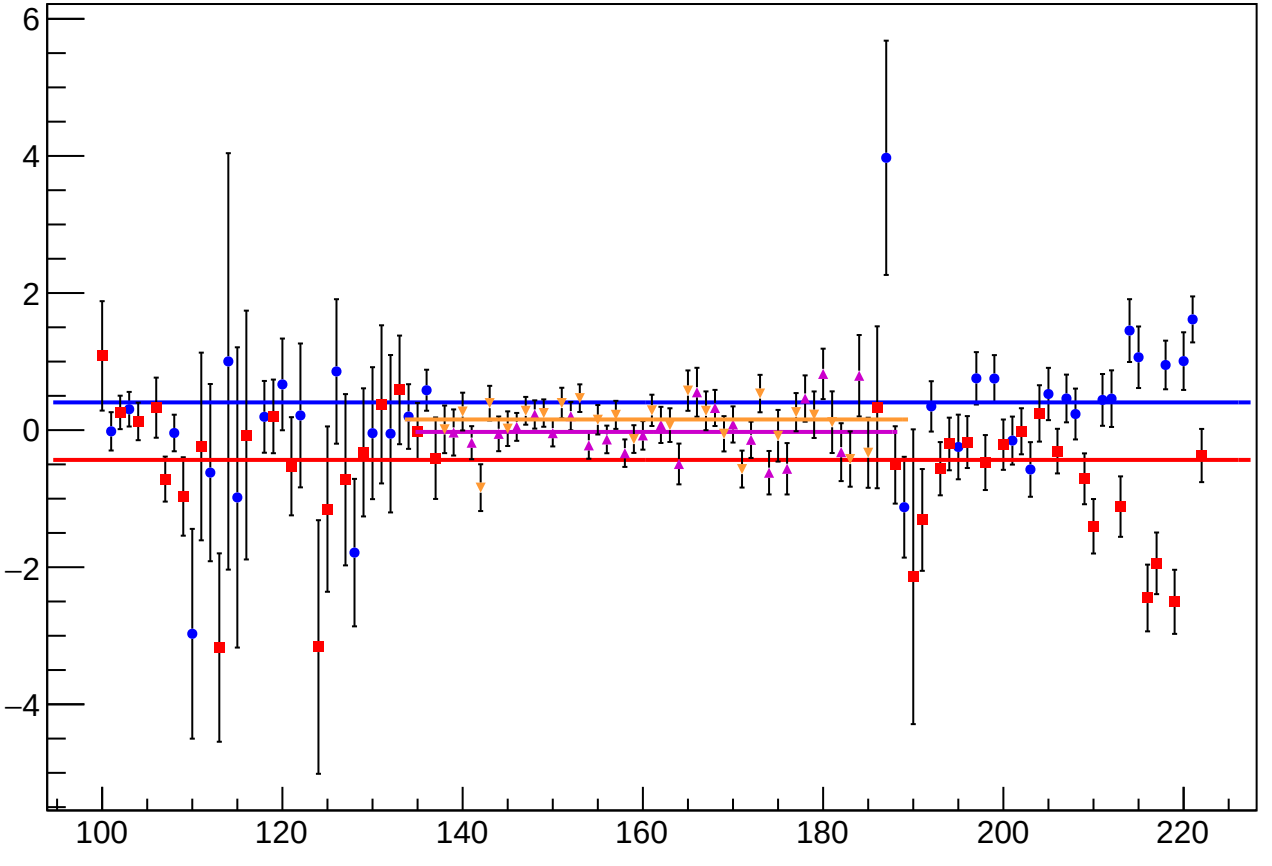
Right: 5679.680+/-0.622 χ^2/NDF: 4672316.0/71

In: 5956.013+/-0.676 χ^2/NDF:2557854.3/56

Out: 5887.550+/-0.661 χ^2/NDF:3502677.8/62

All: 5921.000+/-0.473 χ^2/NDF: 6065771.1/11

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: -0.435+/-0.076 χ^2/NDF: 96.8/37

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

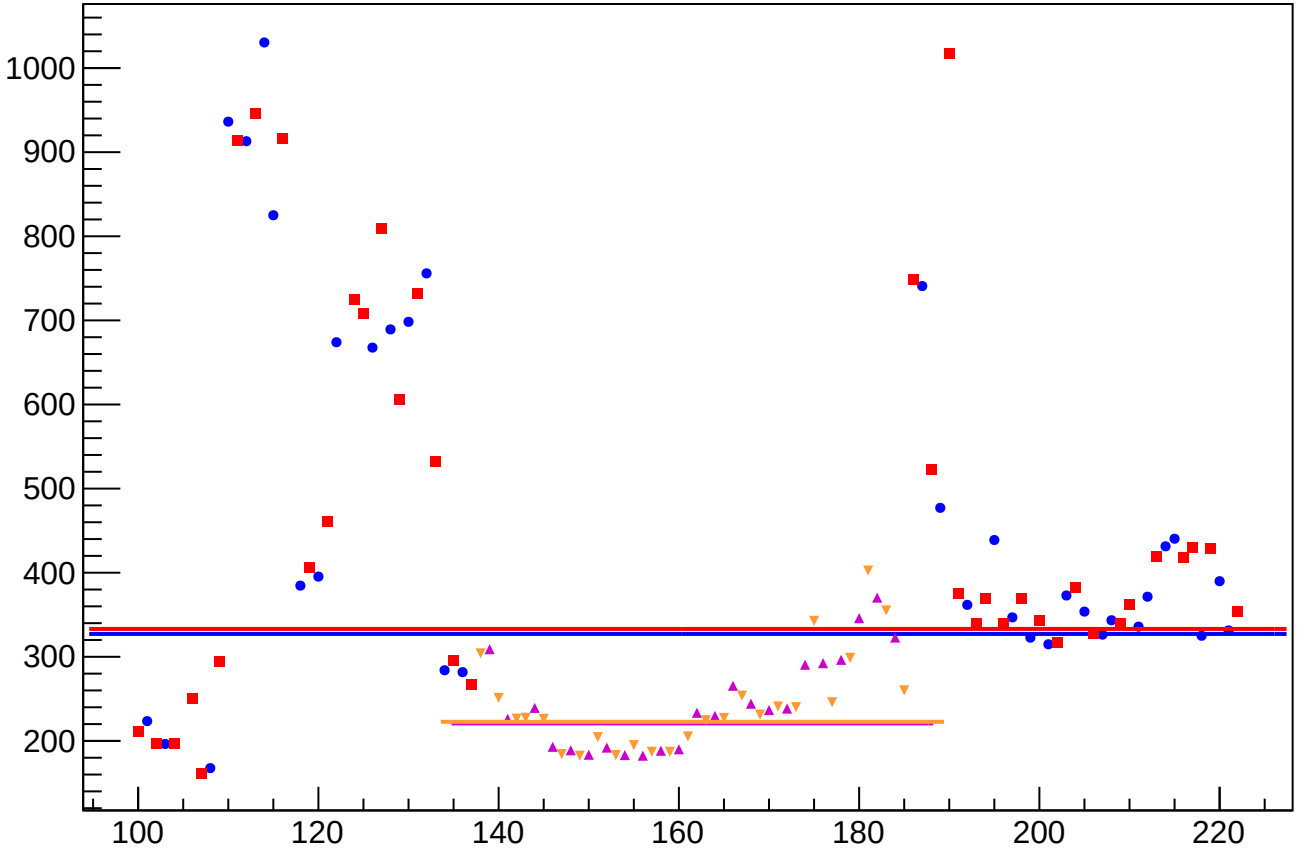
Right: -0.005+/-0.053 χ^2/NDF: 222.2/71

In: 0.119+/-0.043 χ^2/NDF:115.1/56

Out: -0.032+/-0.043 χ^2/NDF:170.2/62

All: 0.043+/-0.030 χ^2/NDF: 291.5/119

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: 333.155+/-0.054 χ^2/NDF: 5096327.3/37

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

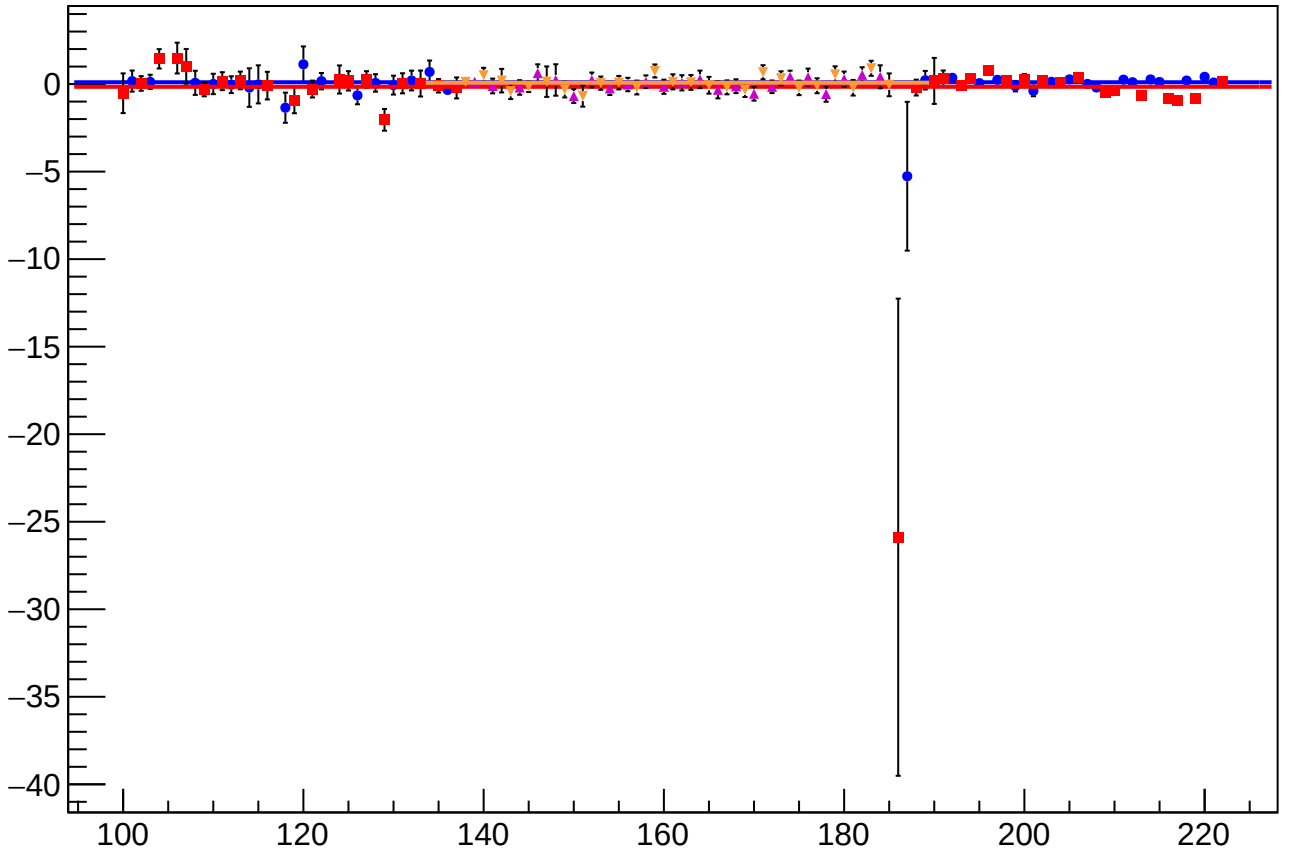
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 330.104+/-0.038 χ^2/NDF: 9582941.1/71

In: 256.679+/-0.030 χ^2/NDF:8672610.8/56

Out: 257.844+/-0.030 χ^2/NDF:9425821.9/62

All: 257.265+/-0.021 χ^2/NDF: 18099166.9/11



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: -0.156+/-0.055 χ^2/NDF: 103.7/37

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

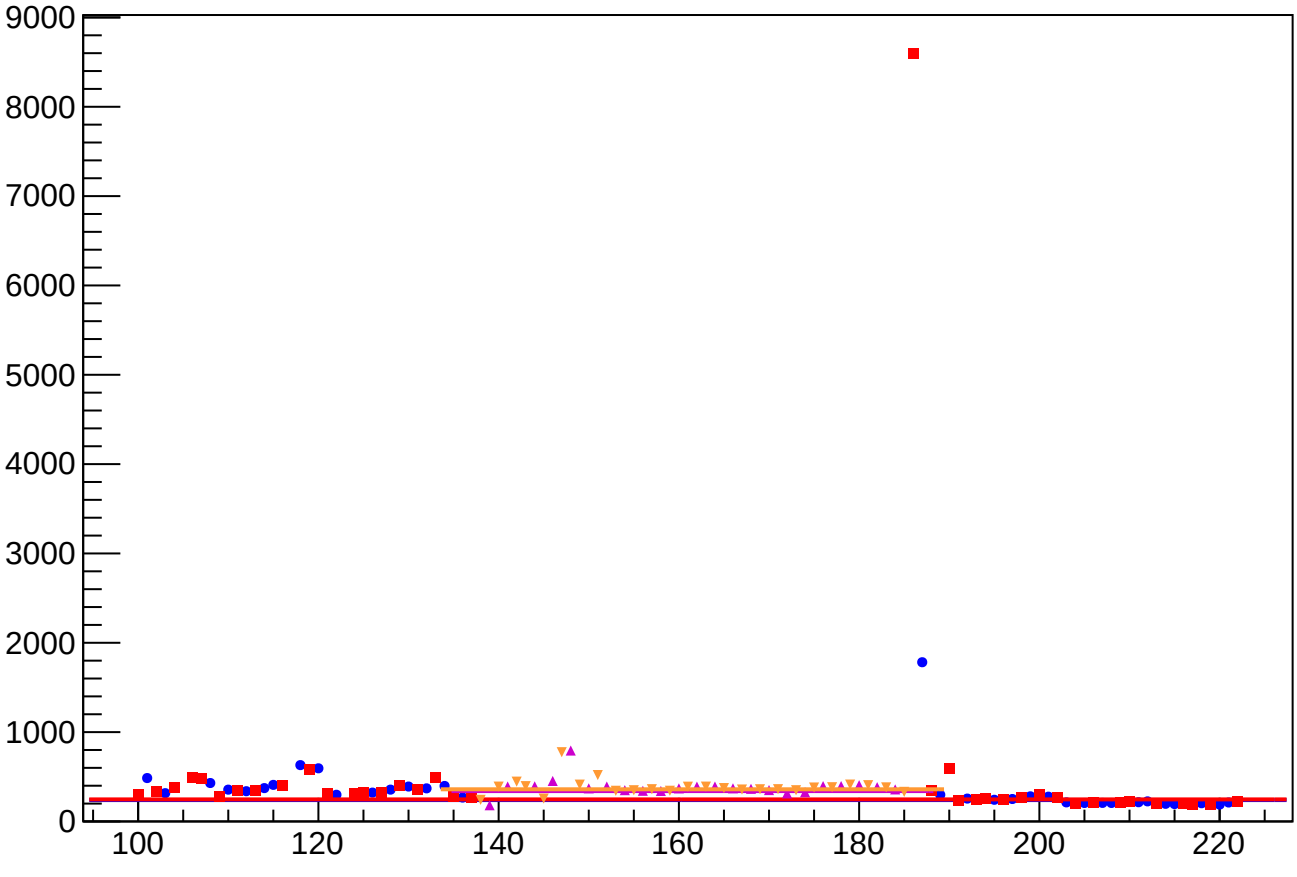
Right: -0.022+/-0.038 χ^2/NDF: 136.9/71

In: 0.076+/-0.045 χ^2/NDF:37.8/56

Out: -0.086+/-0.046 χ^2/NDF:128.1/62

All: -0.002+/-0.032 χ^2/NDF: 172.3/119

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 239.369+/-0.038 χ^2/NDF: 2994202.1/33

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 246.819+/-0.039 χ^2/NDF: 3407544.0/37

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

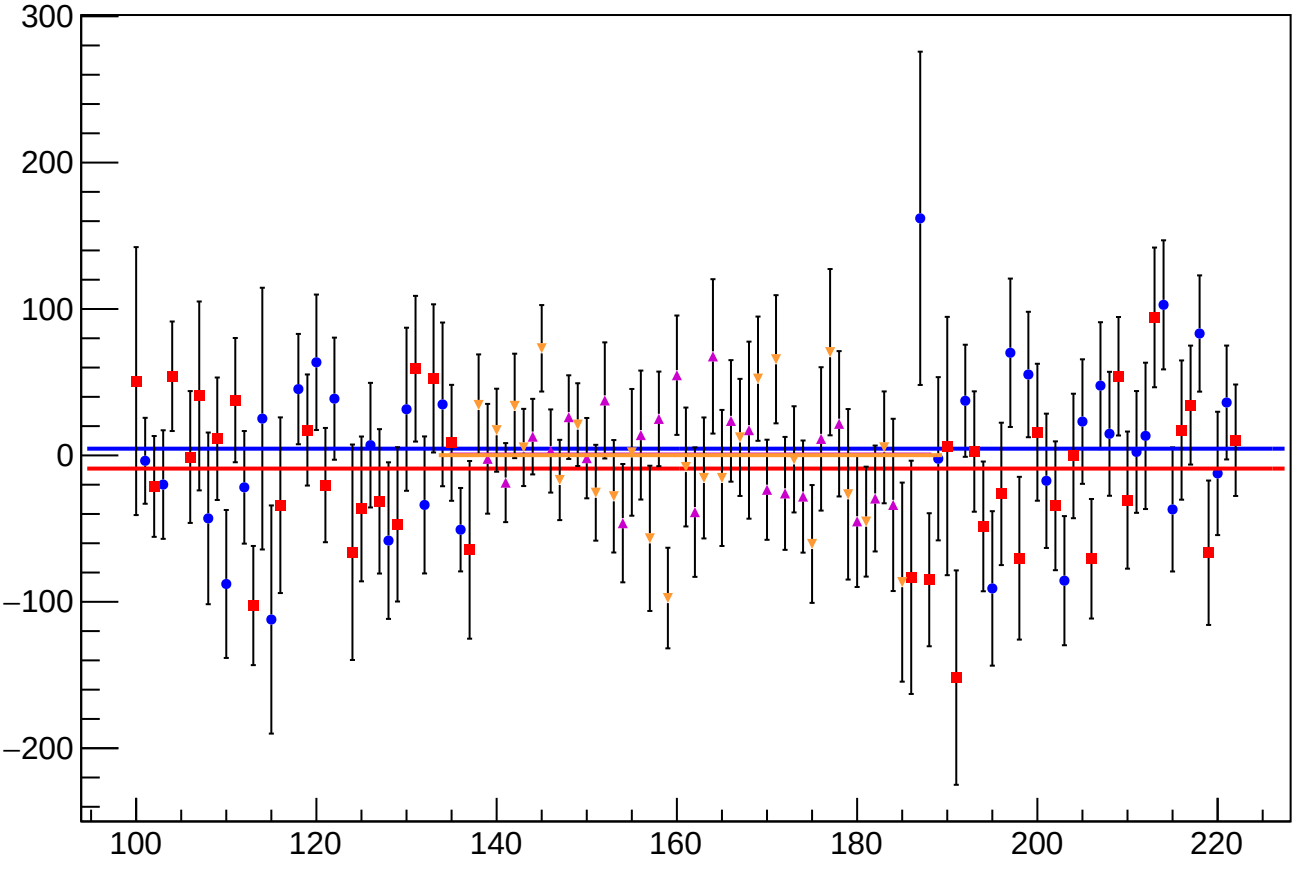
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 242.963+/-0.027 χ^2/NDF: 6420641.9/71

In: 268.798+/-0.032 χ^2/NDF:7309674.8/56

Out: 280.738+/-0.033 χ^2/NDF:7272619.0/62

All: 274.588+/-0.023 χ^2/NDF: 14651239.2/11



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: -8.995+/-7.575 χ^2/NDF: 40.6/37

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

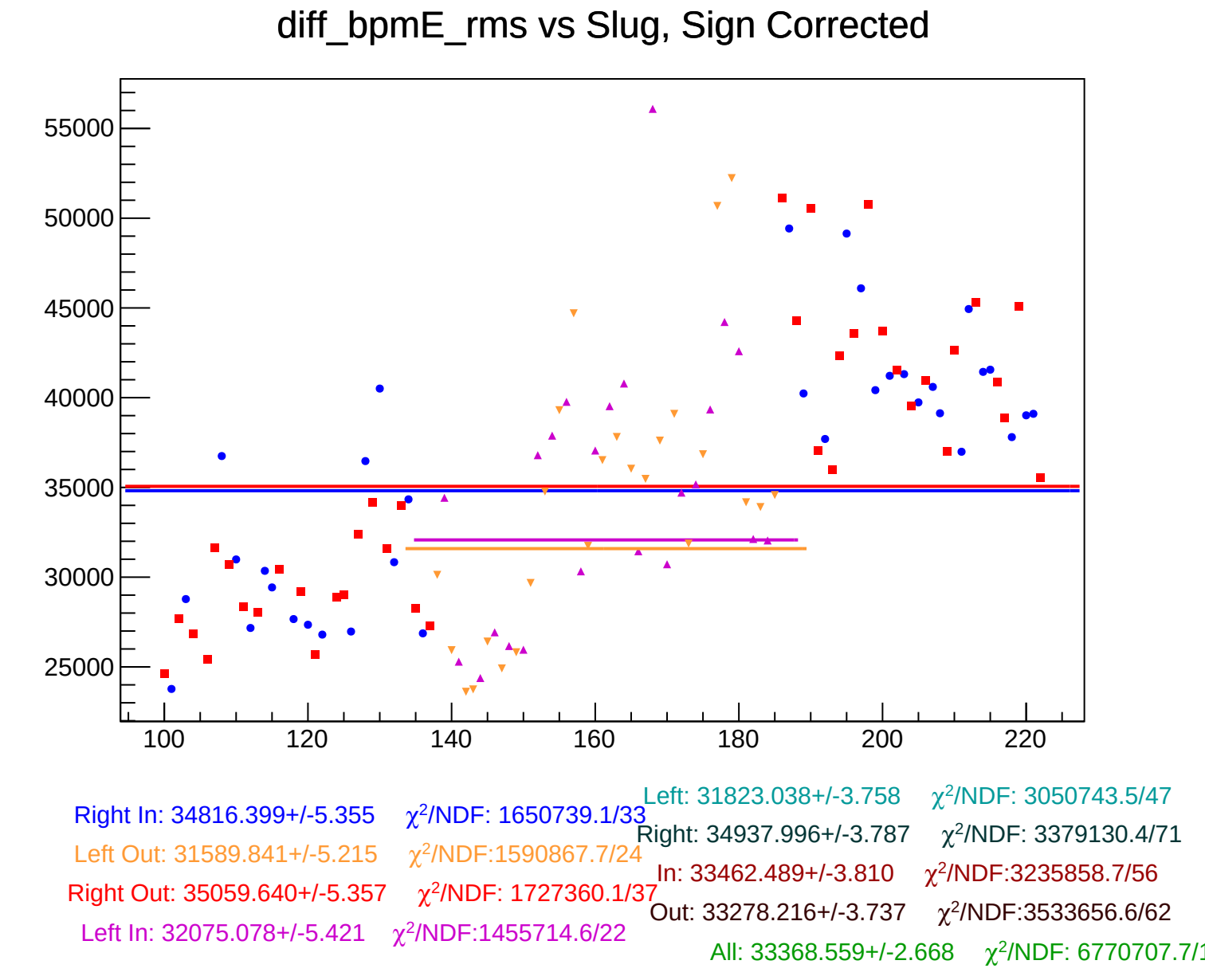
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.199+/-5.356 χ^2/NDF: 84.6/71

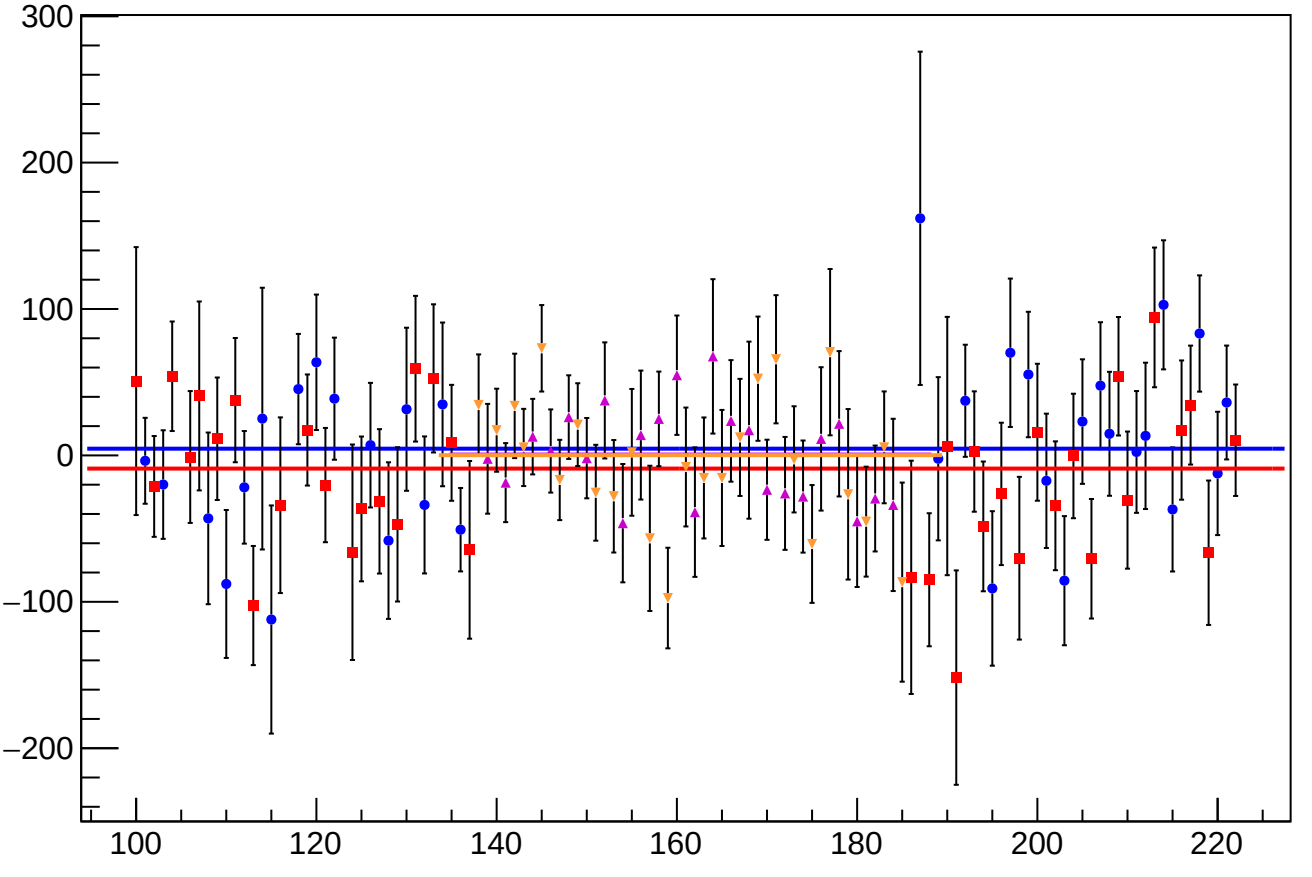
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.291+/-5.284 χ^2/NDF:72.4/62

All: -0.905+/-3.773 χ^2/NDF: 128.6/119


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: 35059.640+/-5.357 χ²/NDF: 1727360.1/37
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34937.996+/-3.787 χ²/NDF: 3379130.4/71
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33278.216+/-3.737 χ²/NDF:3533656.6/62
All: 33368.559+/-2.668 χ²/NDF: 6770707.7/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -8.995+/-7.575 χ^2/NDF: 40.6/37

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

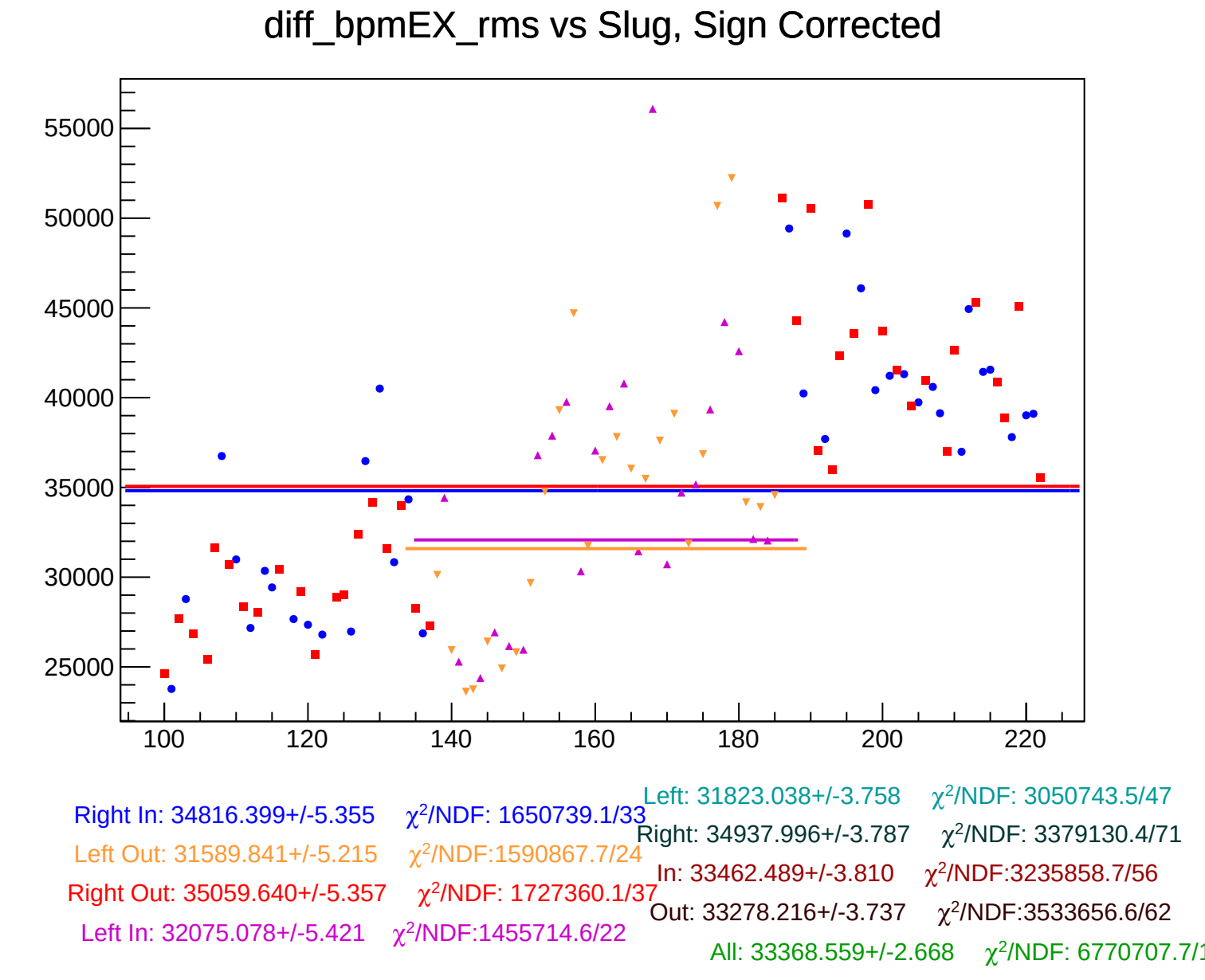
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.199+/-5.356 χ^2/NDF: 84.6/71

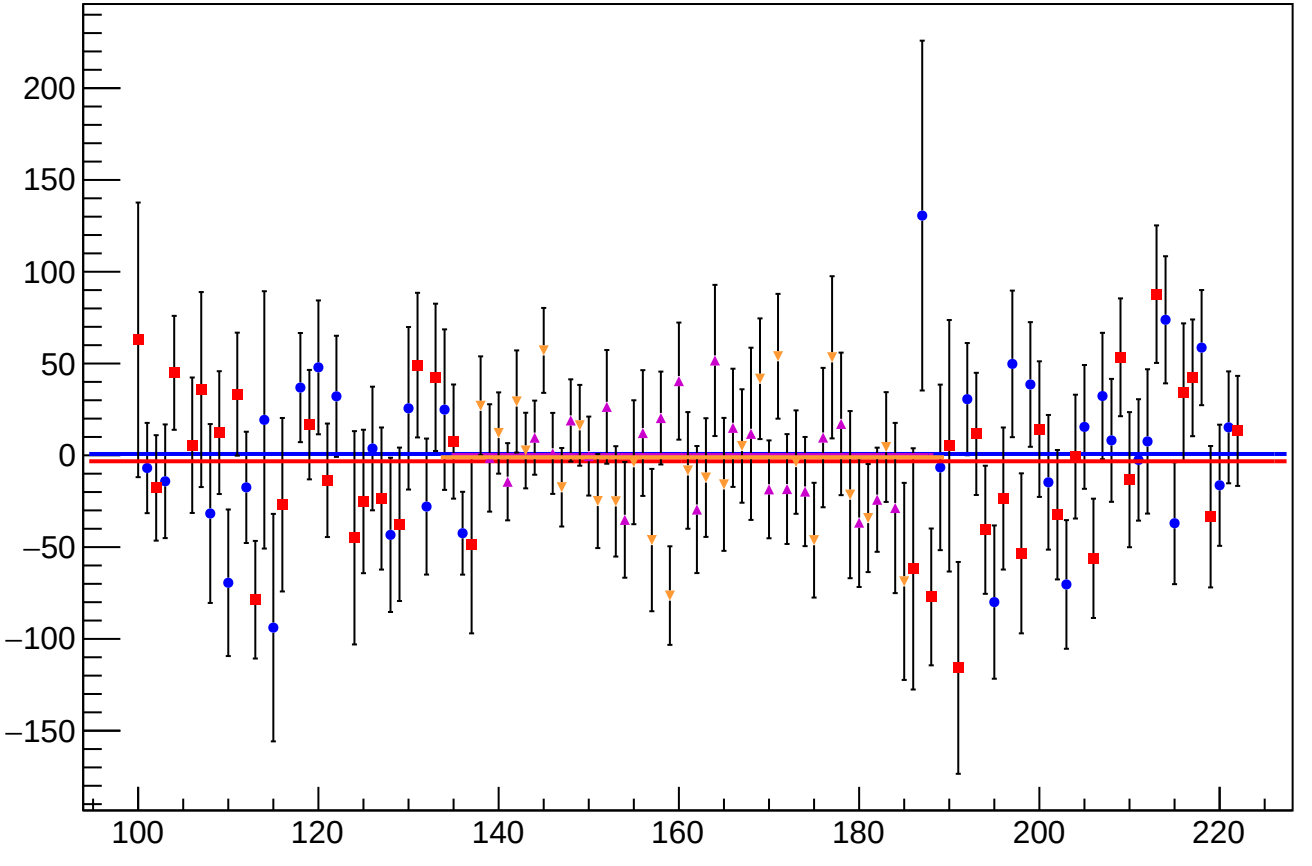
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.291+/-5.284 χ^2/NDF:72.4/62

All: -0.905+/-3.773 χ^2/NDF: 128.6/119


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35059.640+/-5.357 χ²/NDF: 1727360.1/37
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34937.996+/-3.787 χ²/NDF: 3379130.4/71
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33278.216+/-3.737 χ²/NDF:3533656.6/62
All: 33368.559+/-2.668 χ²/NDF: 6770707.7/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: 0.738+/-6.029 χ^2/NDF: 41.1/33

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -3.245+/-6.033 χ^2/NDF: 45.8/37

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

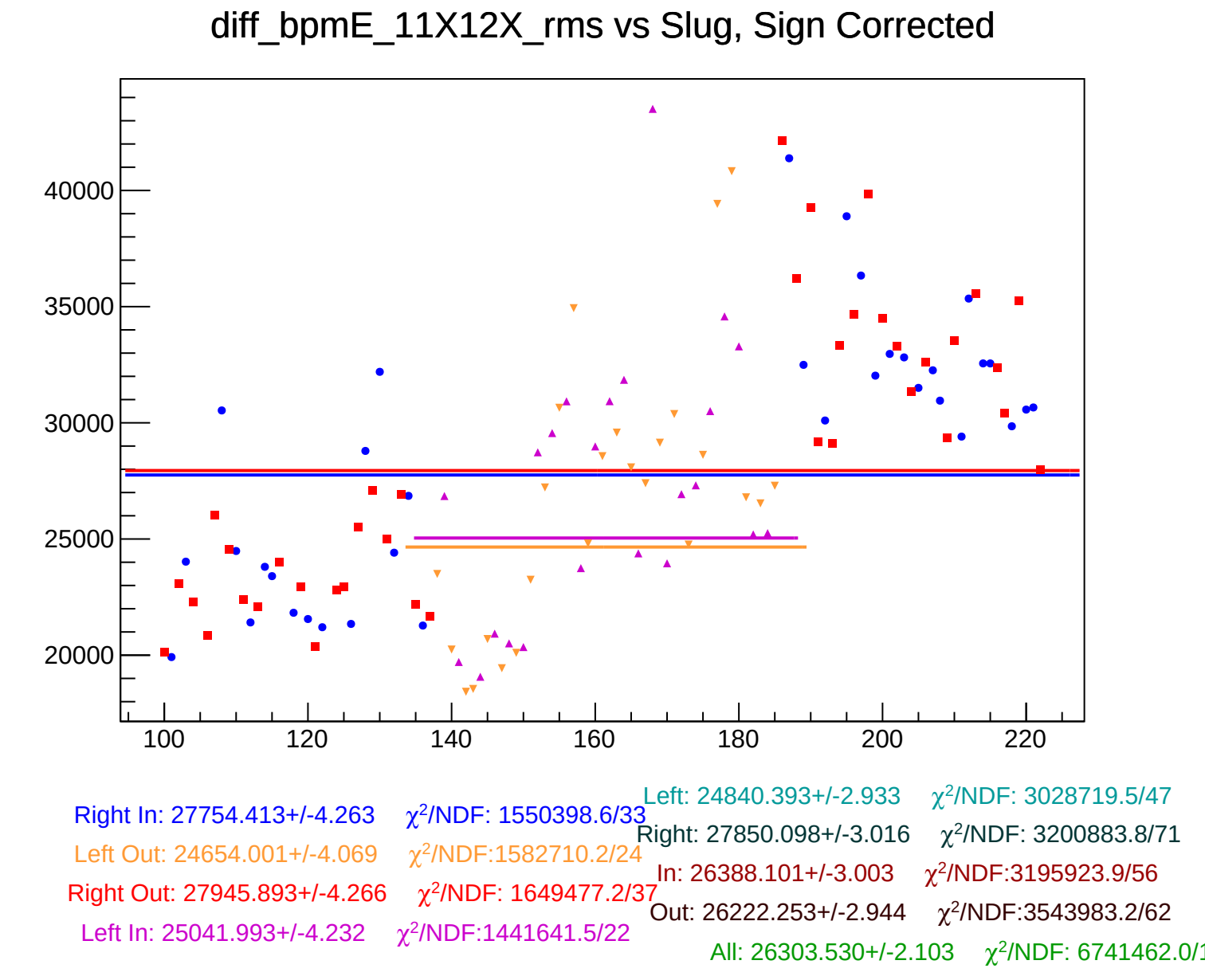
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -1.252+/-4.265 χ^2/NDF: 87.1/71

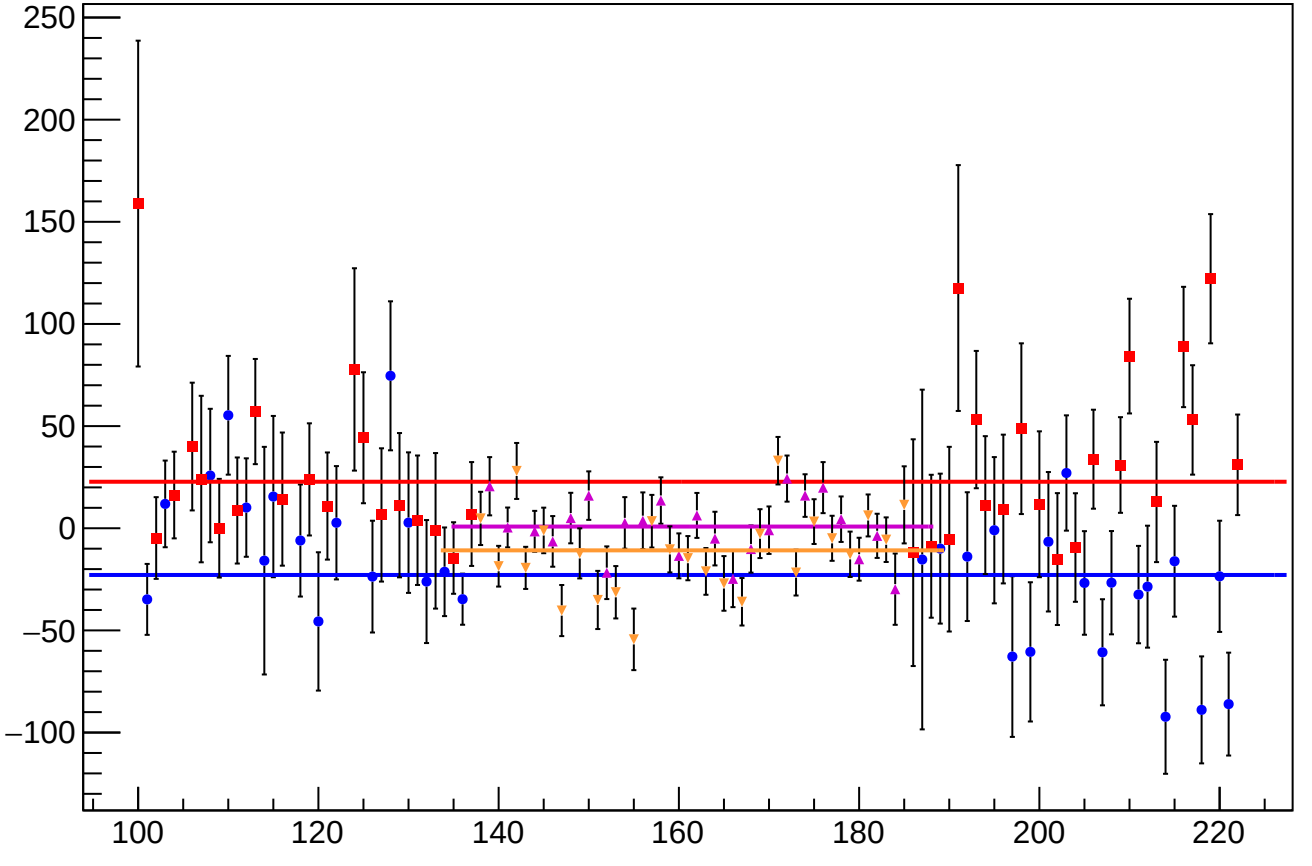
In: 0.440+/-4.248 χ^2/NDF:53.2/56

Out: -2.091+/-4.164 χ^2/NDF:78.2/62

All: -0.851+/-2.973 χ^2/NDF: 131.5/119


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27754.413+/-4.263 χ²/NDF: 1550398.6/33
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27945.893+/-4.266 χ²/NDF: 1649477.2/37
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27850.098+/-3.016 χ²/NDF: 3200883.8/71
In: 26388.101+/-3.003 χ²/NDF:3195923.9/56
Out: 26222.253+/-2.944 χ²/NDF:3543983.2/62
All: 26303.530+/-2.103 χ²/NDF: 6741462.0/1

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: 22.767+/-4.775 χ^2/NDF: 46.2/37

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

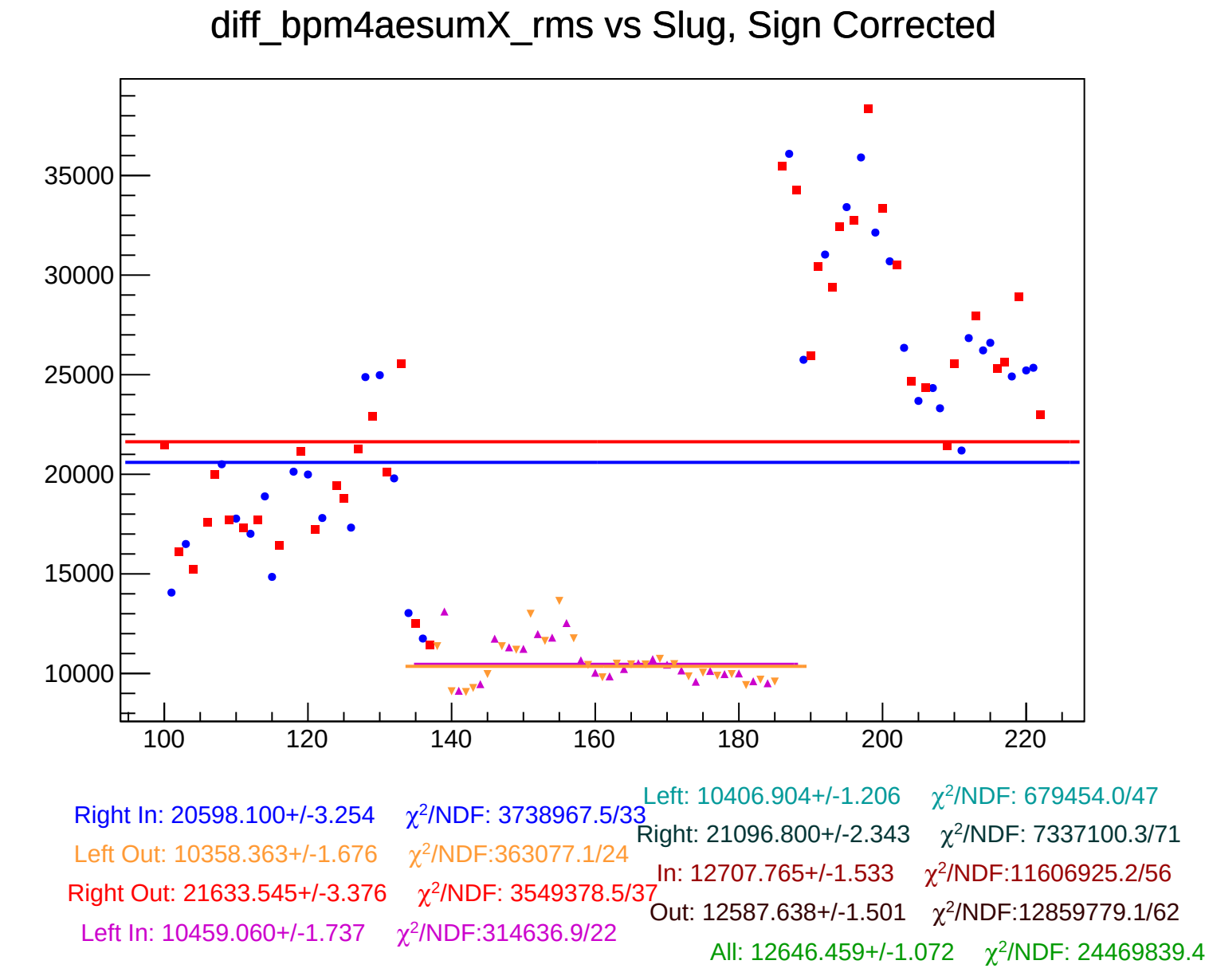
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

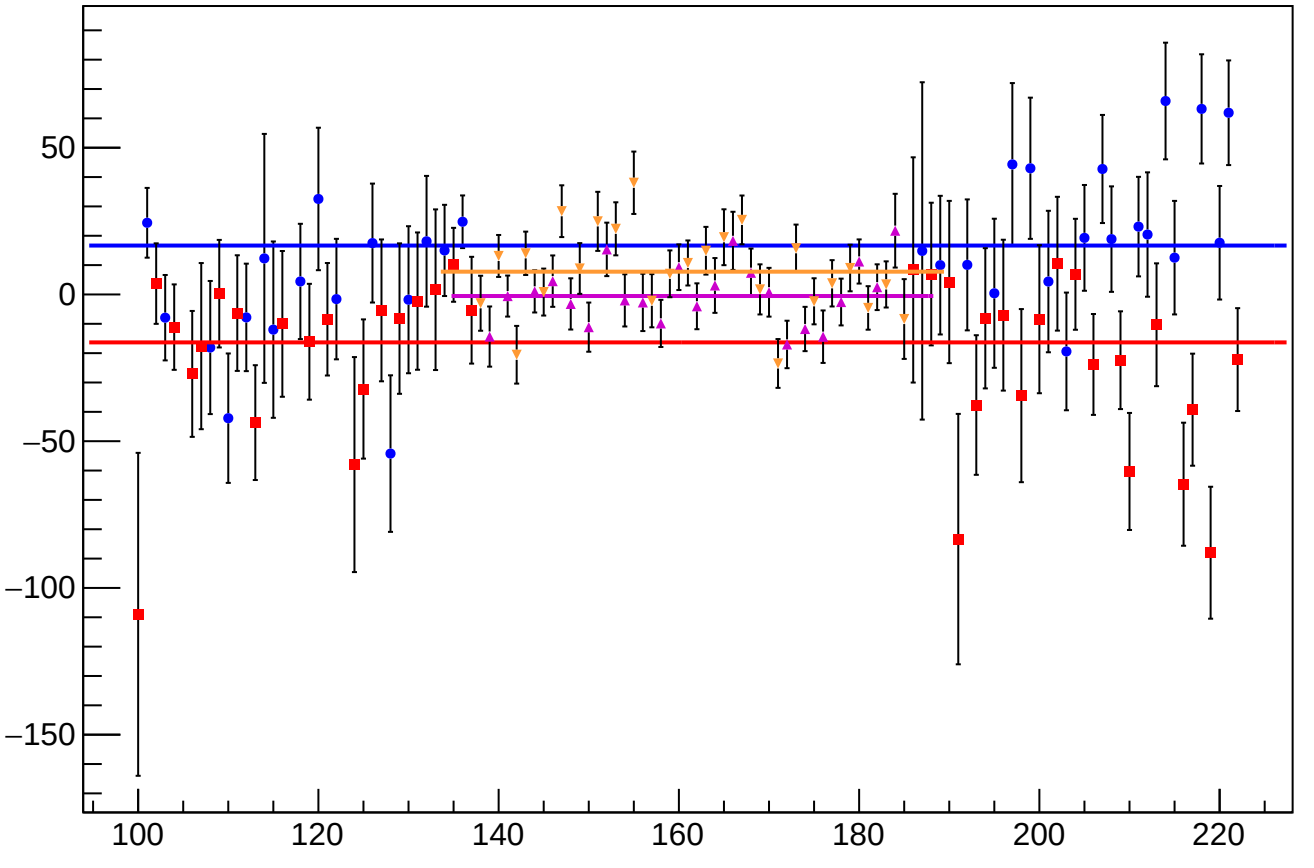
Right: -0.888+/-3.314 χ^2/NDF: 146.7/71

In: -4.428+/-2.168 χ^2/NDF:103.2/56

Out: -4.181+/-2.123 χ^2/NDF:147.1/62

All: -4.302+/-1.517 χ^2/NDF: 250.4/119


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 20598.100+/-3.254 χ²/NDF: 3738967.5/33
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 21633.545+/-3.376 χ²/NDF: 3549378.5/37
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 21096.800+/-2.343 χ²/NDF: 7337100.3/71
In: 12707.765+/-1.533 χ²/NDF:11606925.2/56
Out: 12587.638+/-1.501 χ²/NDF:12859779.1/62
All: 12646.459+/-1.072 χ²/NDF: 24469839.4



Right In: 16.664+/-3.284 χ^2/NDF: 52.9/33

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -16.335+/-3.413 χ^2/NDF: 47.3/37

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

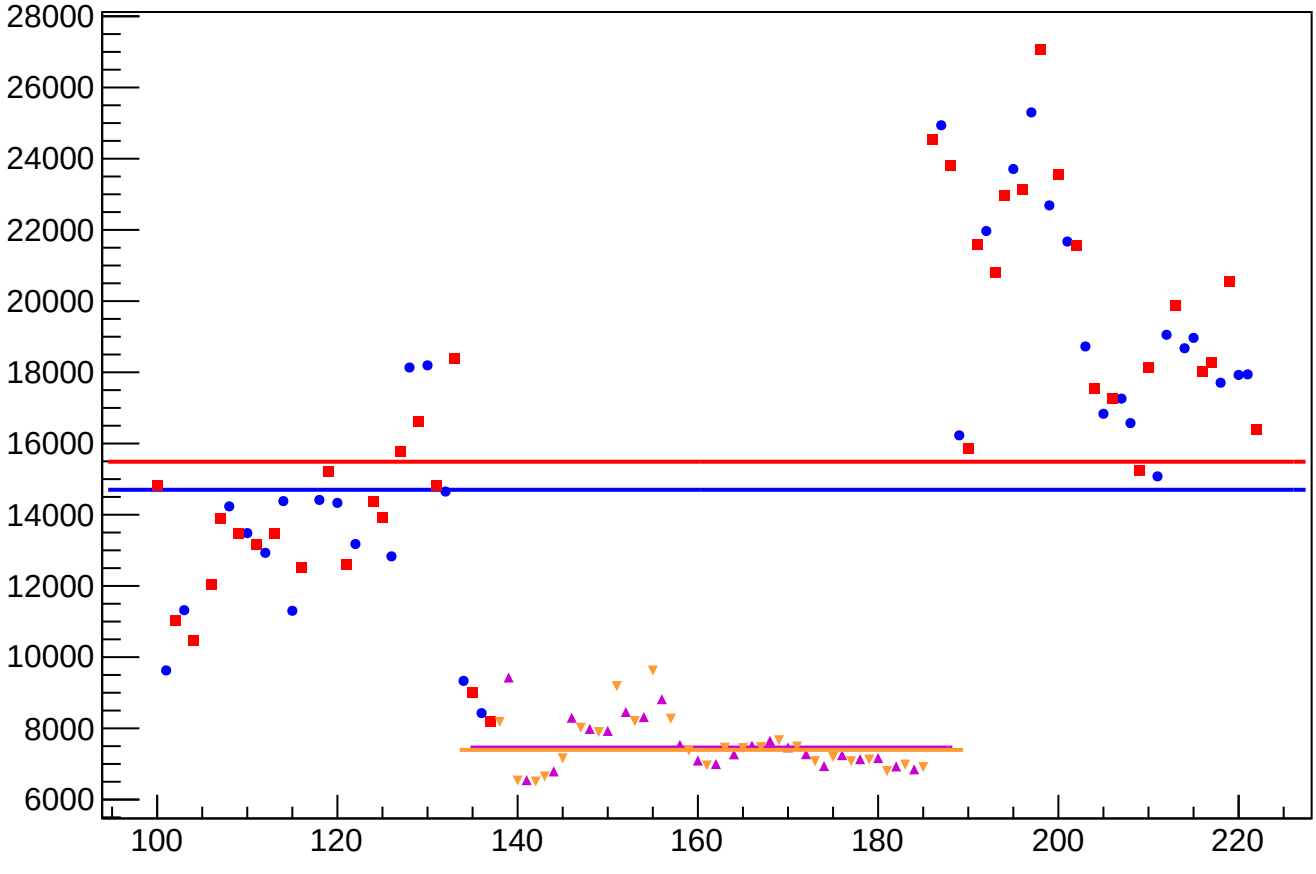
Right: 0.801+/-2.366 χ^2/NDF: 148.7/71

In: 3.279+/-1.546 χ^2/NDF:103.7/56

Out: 3.011+/-1.516 χ^2/NDF:148.3/62

All: 3.142+/-1.082 χ^2/NDF: 251.9/119

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: 15488.875+/-2.413 χ^2/NDF: 3410329.6/37

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

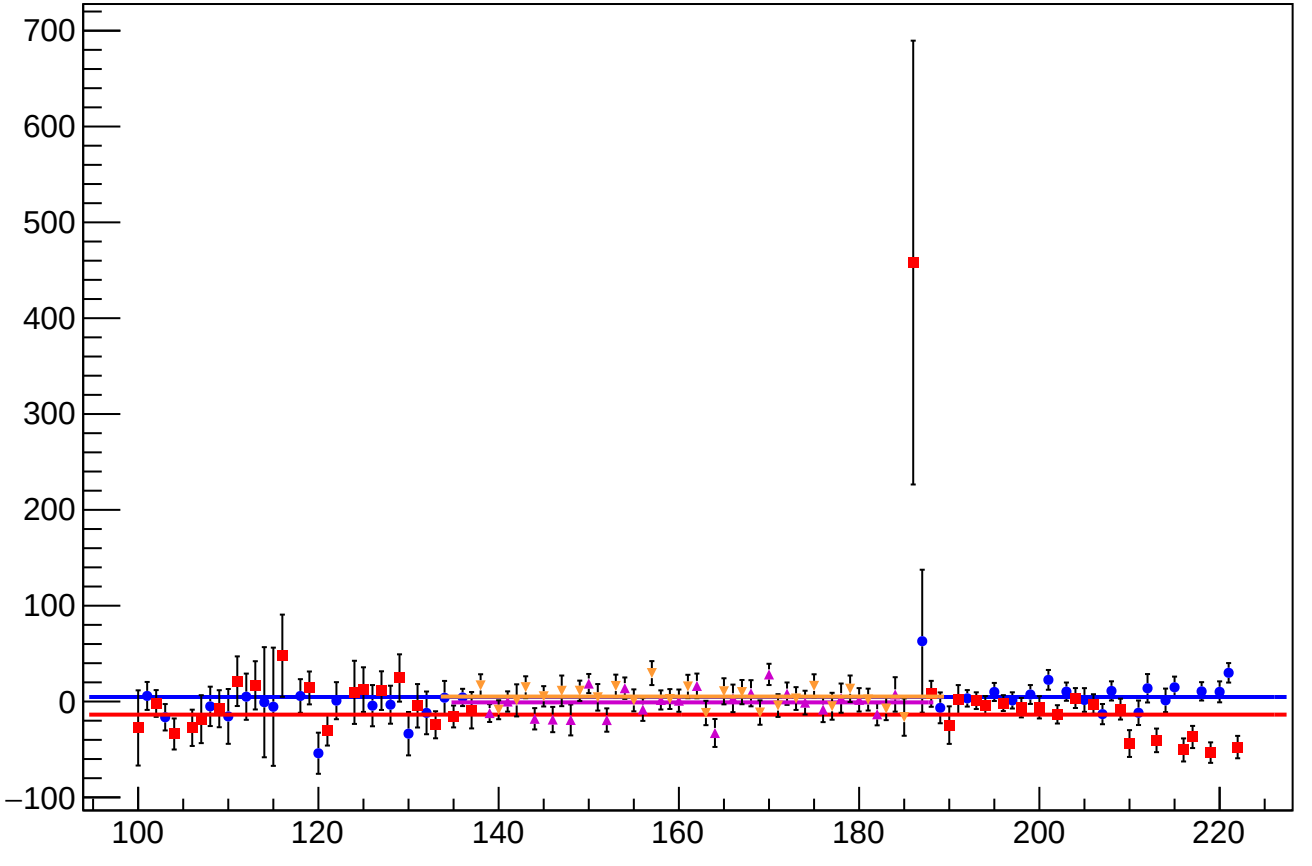
Right: 15079.767+/-1.673 χ^2/NDF: 7128284.8/71

In: 9065.201+/-1.093 χ^2/NDF:11515666.3/56

Out: 8991.707+/-1.072 χ^2/NDF:12764373.5/62

All: 9027.730+/-0.765 χ^2/NDF: 24282345.1/1

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: -13.669+/-2.233 χ^2/NDF: 82.8/37

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

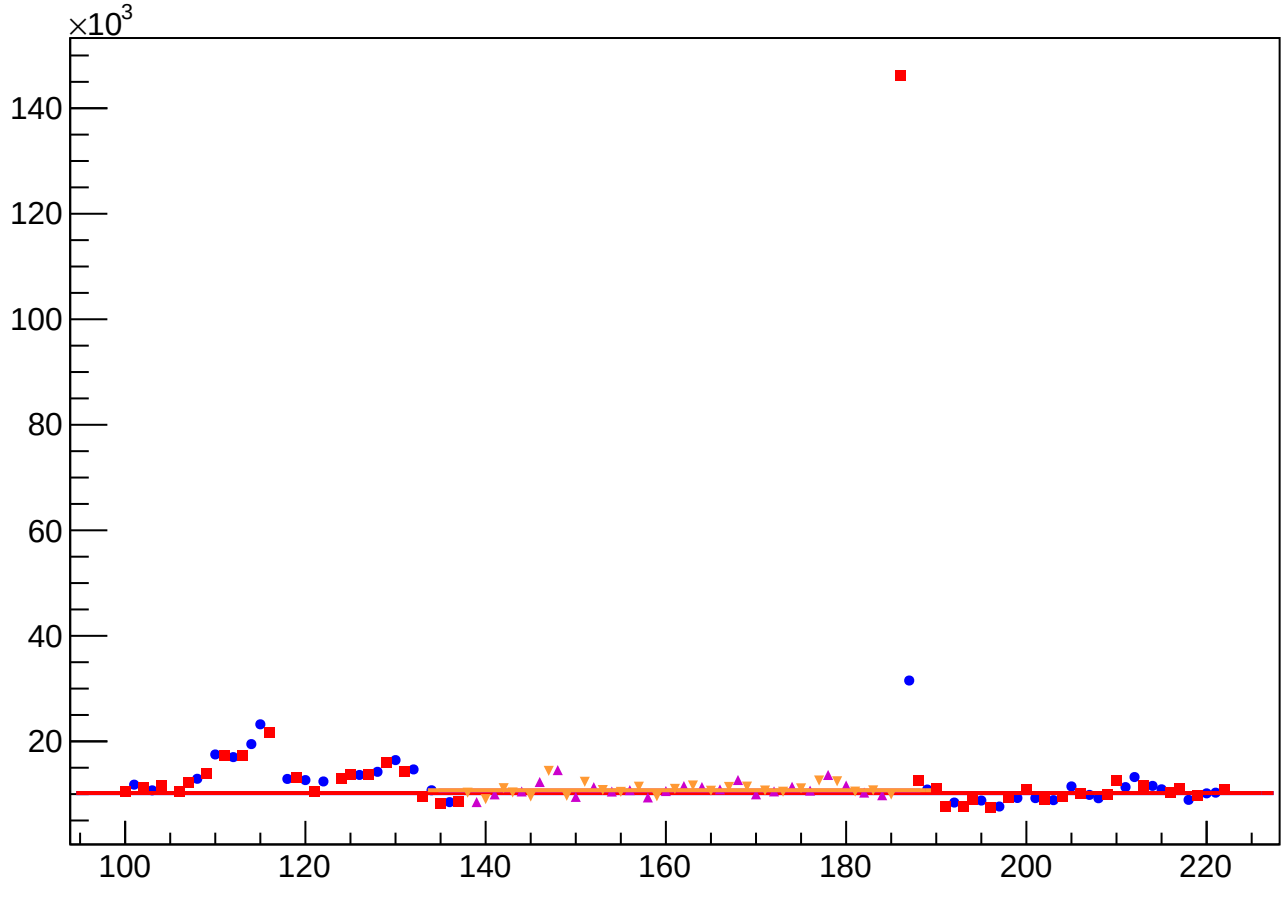
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -4.454+/-1.577 χ^2/NDF: 149.3/71

In: 2.259+/-1.669 χ^2/NDF:67.1/56

Out: -5.153+/-1.653 χ^2/NDF:133.4/62

All: -1.482+/-1.174 χ^2/NDF: 210.4/119



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: 10204.256+/-1.579 χ^2/NDF: 2413221.3/37

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

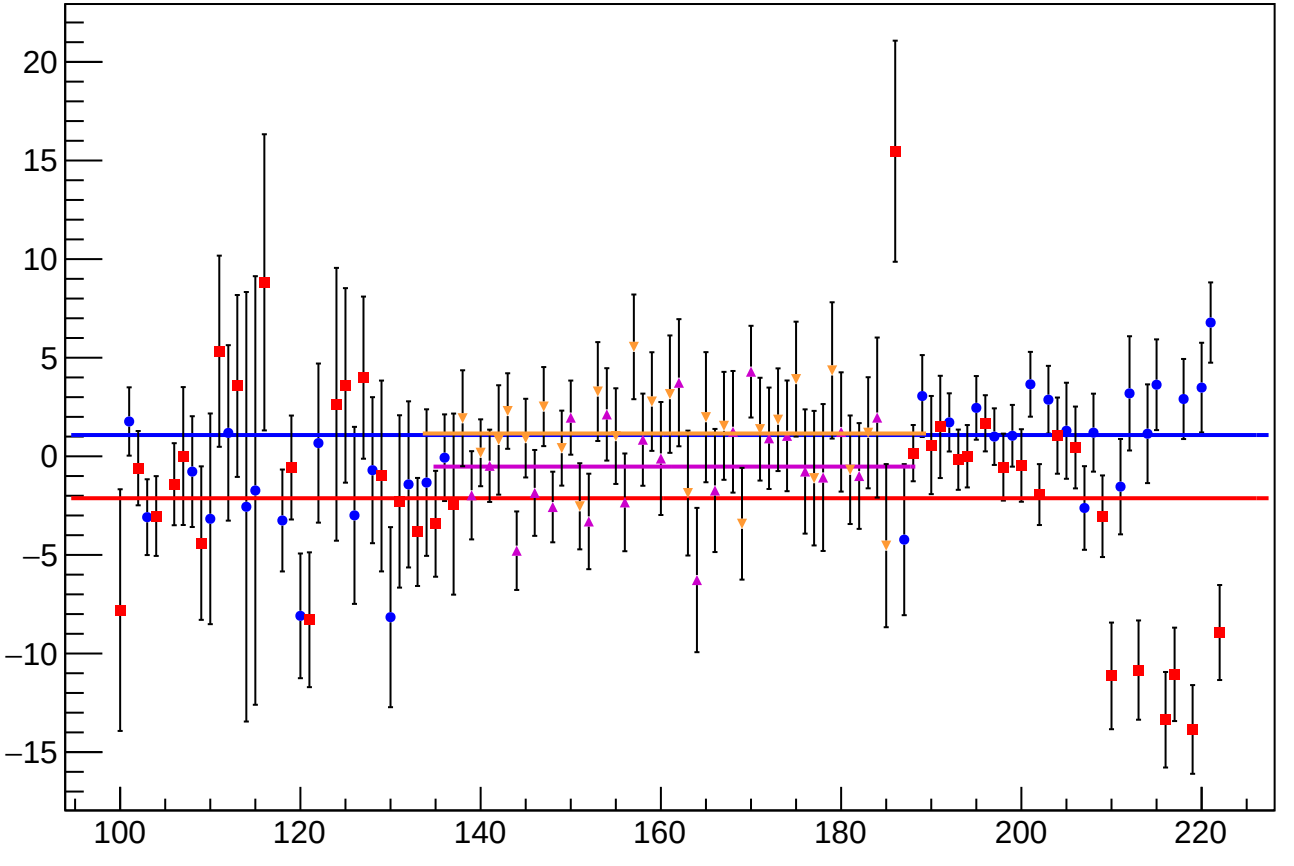
Right: 10193.926+/-1.115 χ^2/NDF: 4214674.6/71

In: 10400.313+/-1.180 χ^2/NDF:2345022.1/56

Out: 10443.520+/-1.169 χ^2/NDF:2832332.5/62

All: 10422.123+/-0.830 χ^2/NDF: 5178031.5/1

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: -2.125+/-0.384 χ^2/NDF: 143.1/37

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

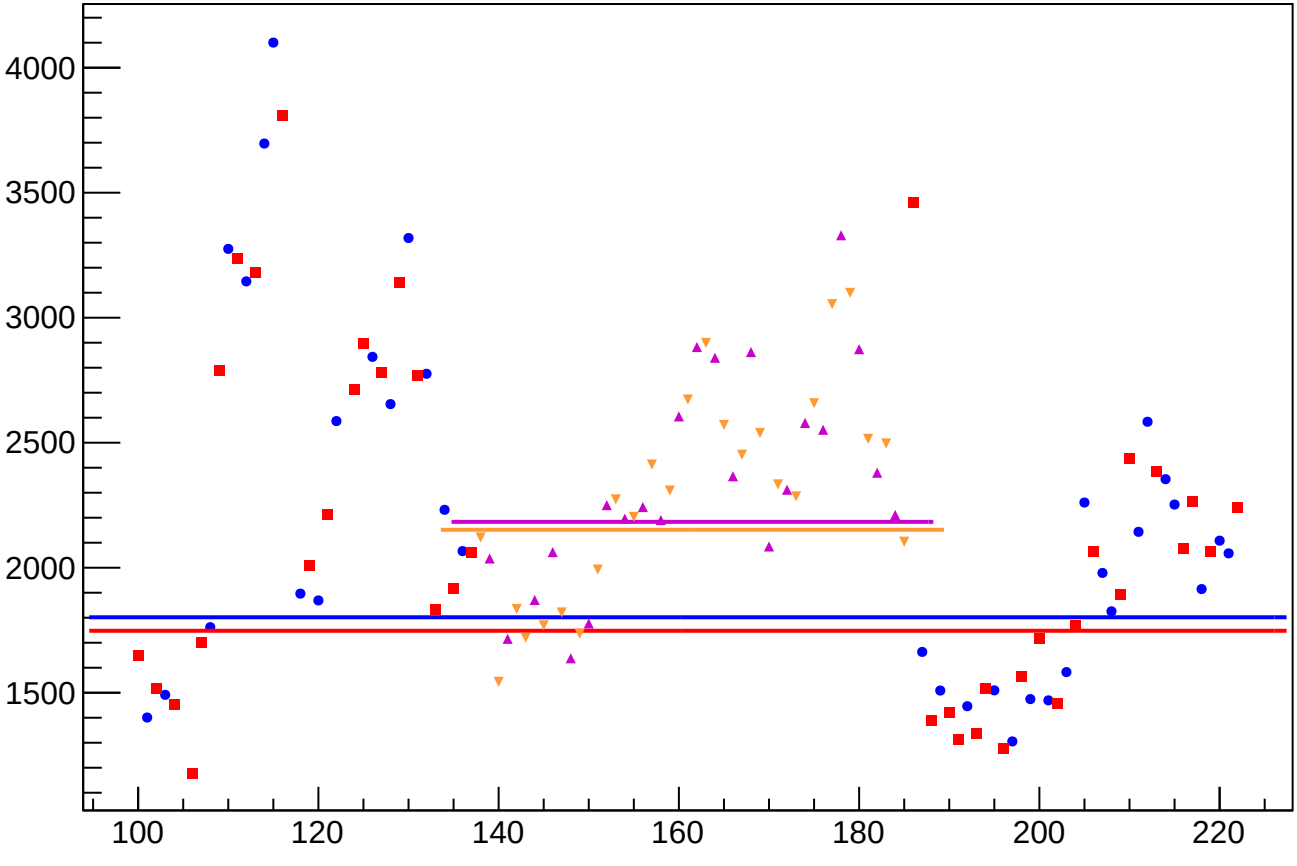
Right: -0.573+/-0.276 χ^2/NDF: 223.3/71

In: 0.490+/-0.315 χ^2/NDF:74.9/56

Out: -0.906+/-0.305 χ^2/NDF:187.0/62

All: -0.231+/-0.219 χ^2/NDF: 272.0/119

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: 1747.886+/-0.272 χ^2/NDF: 2998608.6/37

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

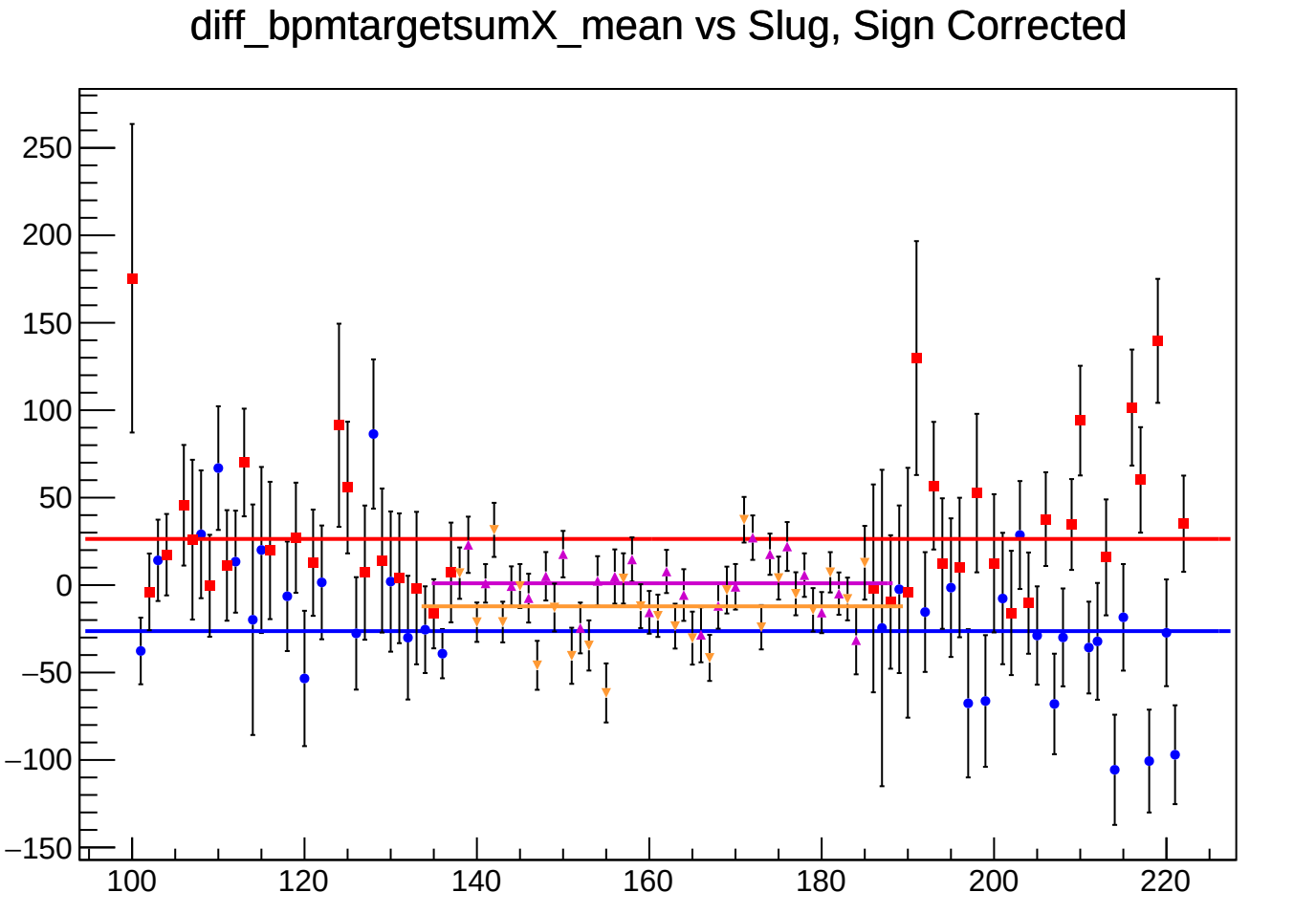
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

Right: 1774.012+/-0.195 χ^2/NDF: 5523326.9/71

In: 1942.191+/-0.223 χ^2/NDF:4349436.0/56

Out: 1897.867+/-0.216 χ^2/NDF:5168011.3/62

All: 1919.278+/-0.155 χ^2/NDF: 9537880.6/11



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: 26.384+/-5.408 χ^2/NDF: 46.6/37

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

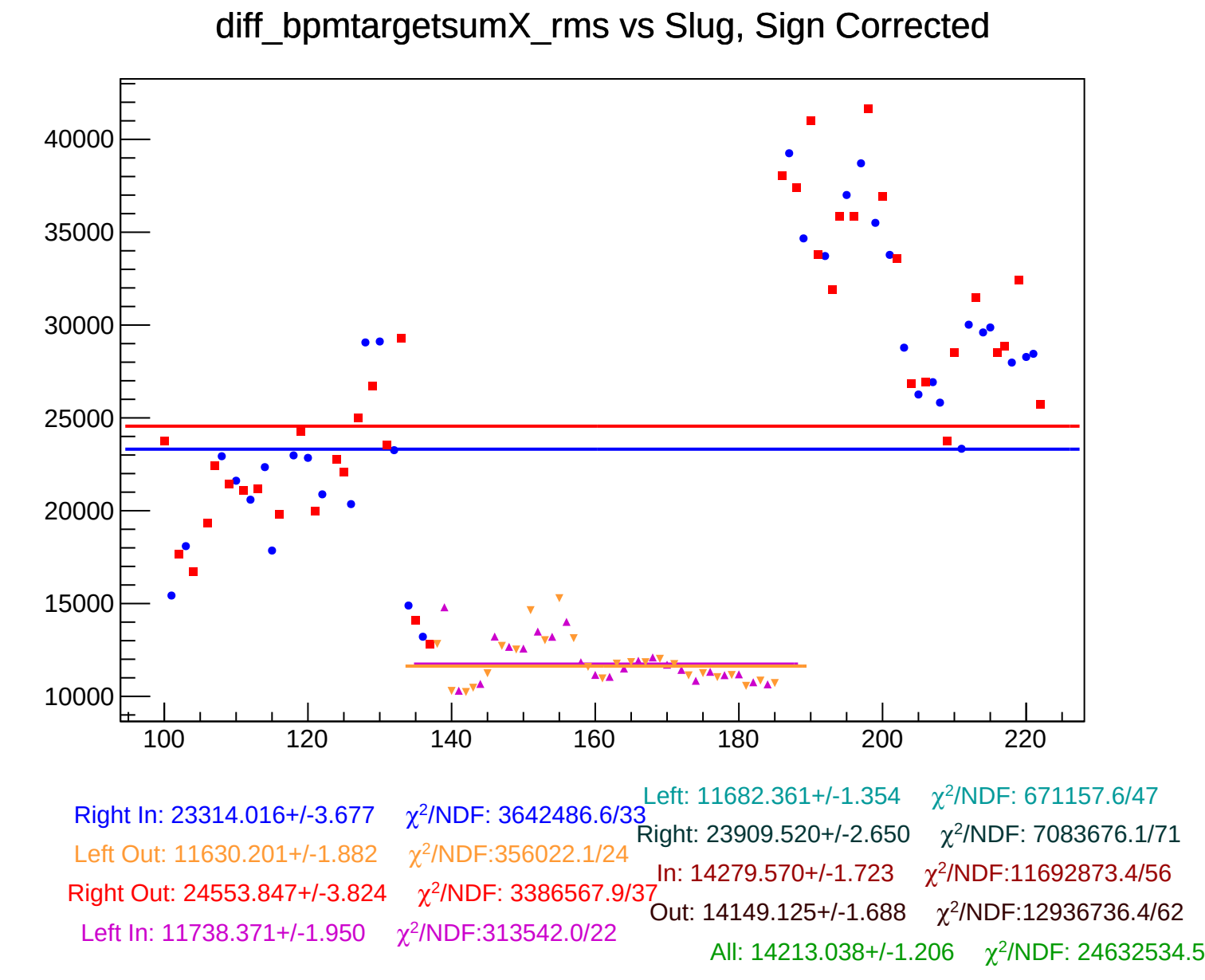
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

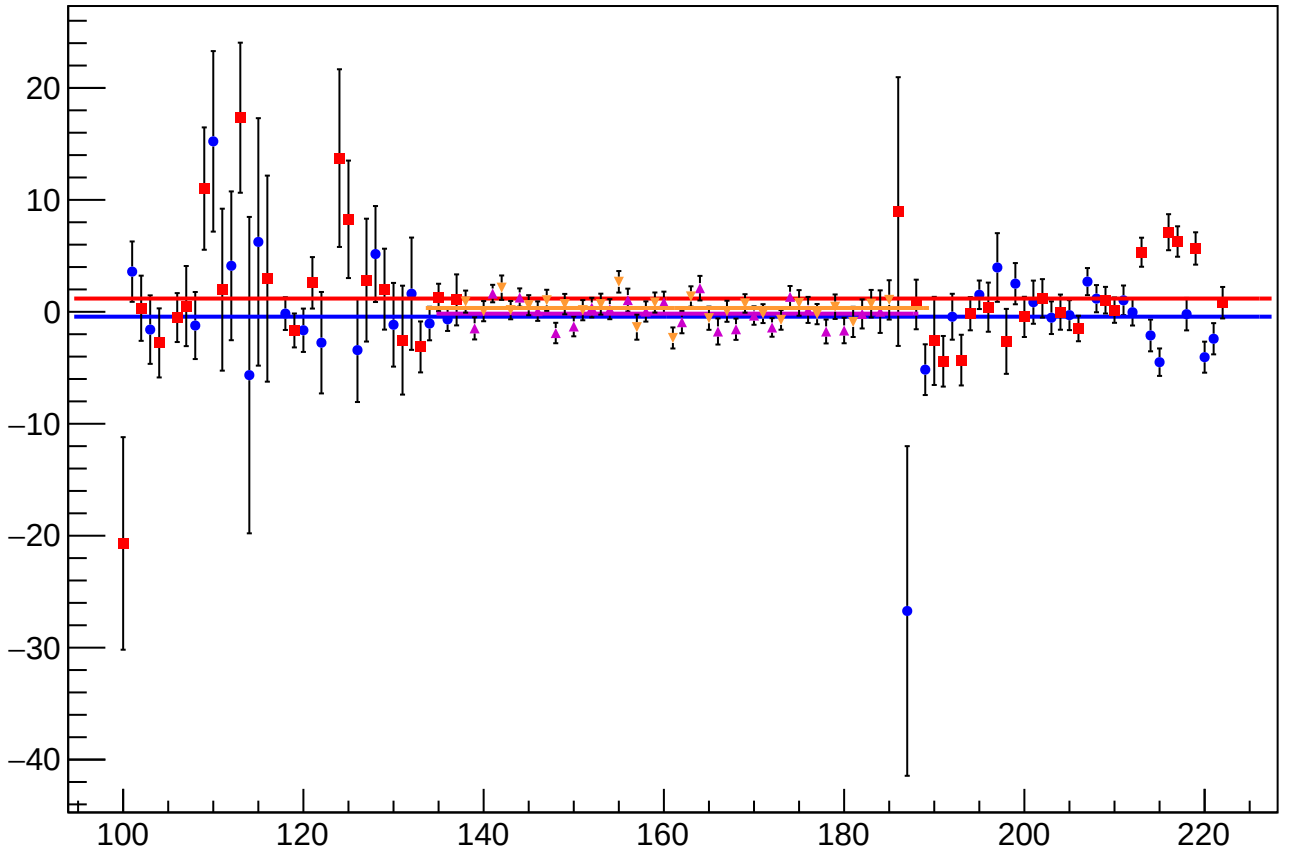
Right: -1.005+/-3.748 χ^2/NDF: 148.9/71

In: -4.979+/-2.436 χ^2/NDF:103.3/56

Out: -4.627+/-2.388 χ^2/NDF:150.0/62

All: -4.799+/-1.705 χ^2/NDF: 253.4/119


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 23314.016+/-3.677 χ²/NDF: 3642486.6/33
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24553.847+/-3.824 χ²/NDF: 3386567.9/37
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23909.520+/-2.650 χ²/NDF: 7083676.1/71
In: 14279.570+/-1.723 χ²/NDF:11692873.4/56
Out: 14149.125+/-1.688 χ²/NDF:12936736.4/62
All: 14213.038+/-1.206 χ²/NDF: 24632534.5



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: 1.186+/-0.320 χ^2/NDF: 100.7/37

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

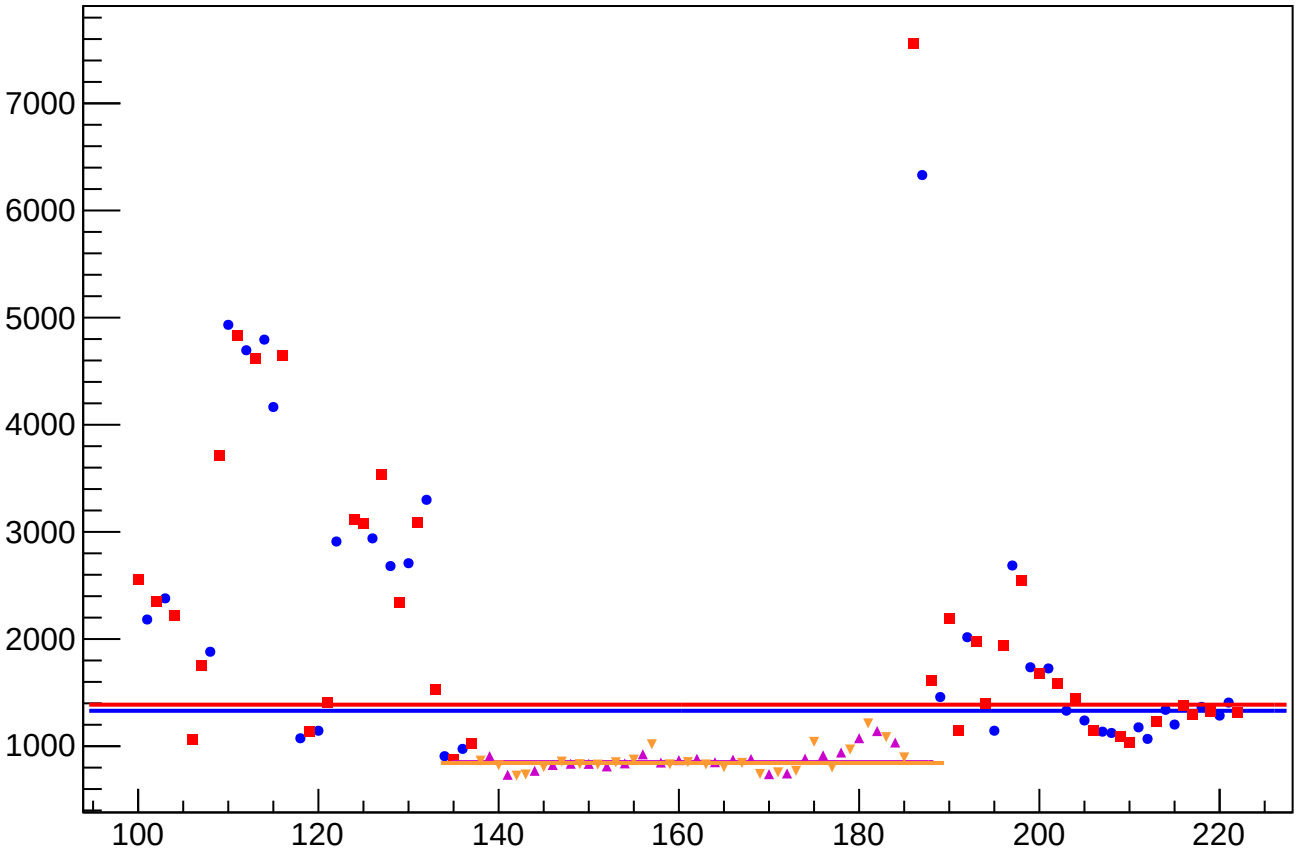
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: 0.333+/-0.220 χ^2/NDF: 170.6/71

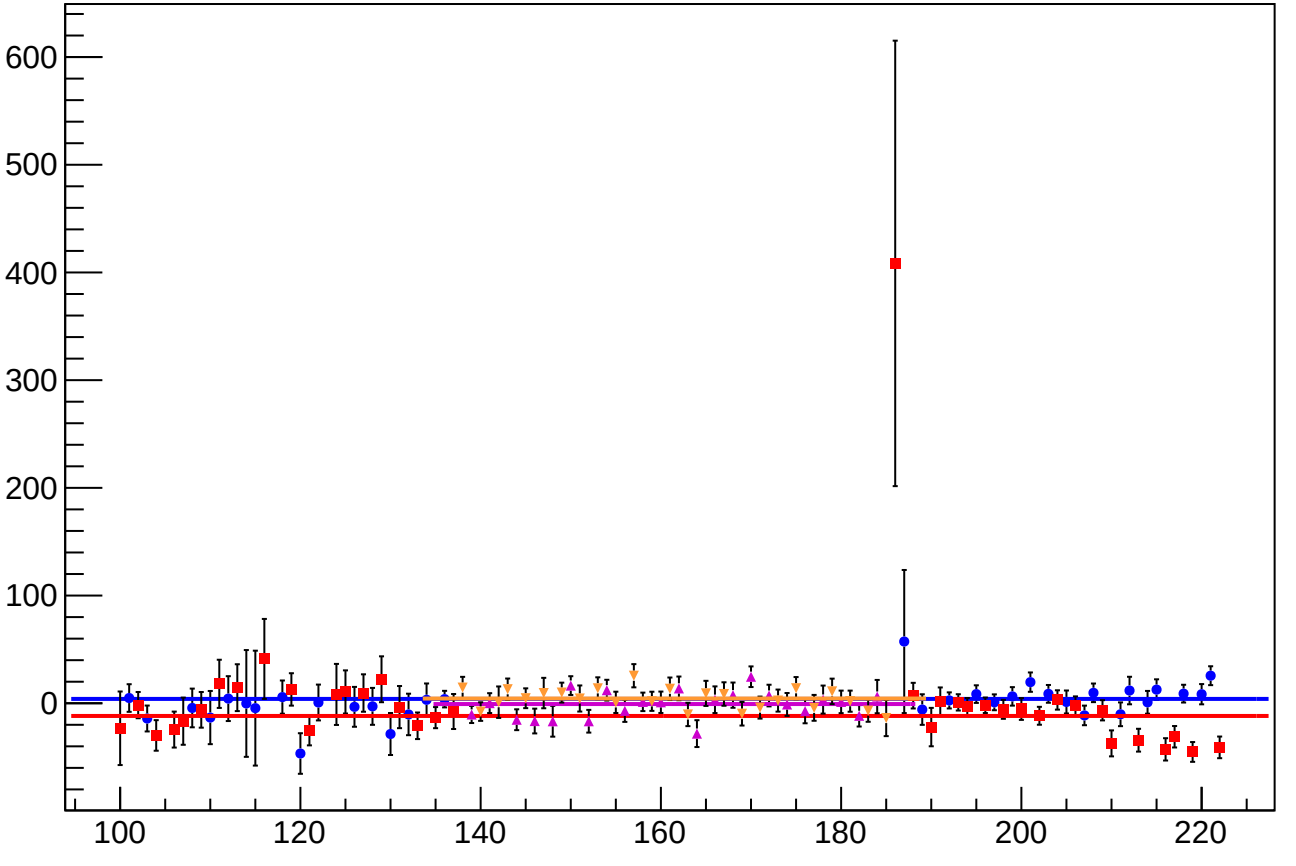
In: -0.247+/-0.168 χ^2/NDF:93.3/56

Out: 0.569+/-0.166 χ^2/NDF:132.6/62

All: 0.165+/-0.118 χ^2/NDF: 237.8/119


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
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: 1387.423+/-0.226 χ²/NDF: 5229229.9/37
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1357.386+/-0.156 χ²/NDF: 10017106.4/71
In: 997.277+/-0.118 χ²/NDF:8593481.0/56
Out: 989.138+/-0.117 χ²/NDF:9963019.8/62
All: 993.164+/-0.083 χ²/NDF: 18558885.9/11

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: -11.792+/-1.935 χ^2/NDF: 80.8/37

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

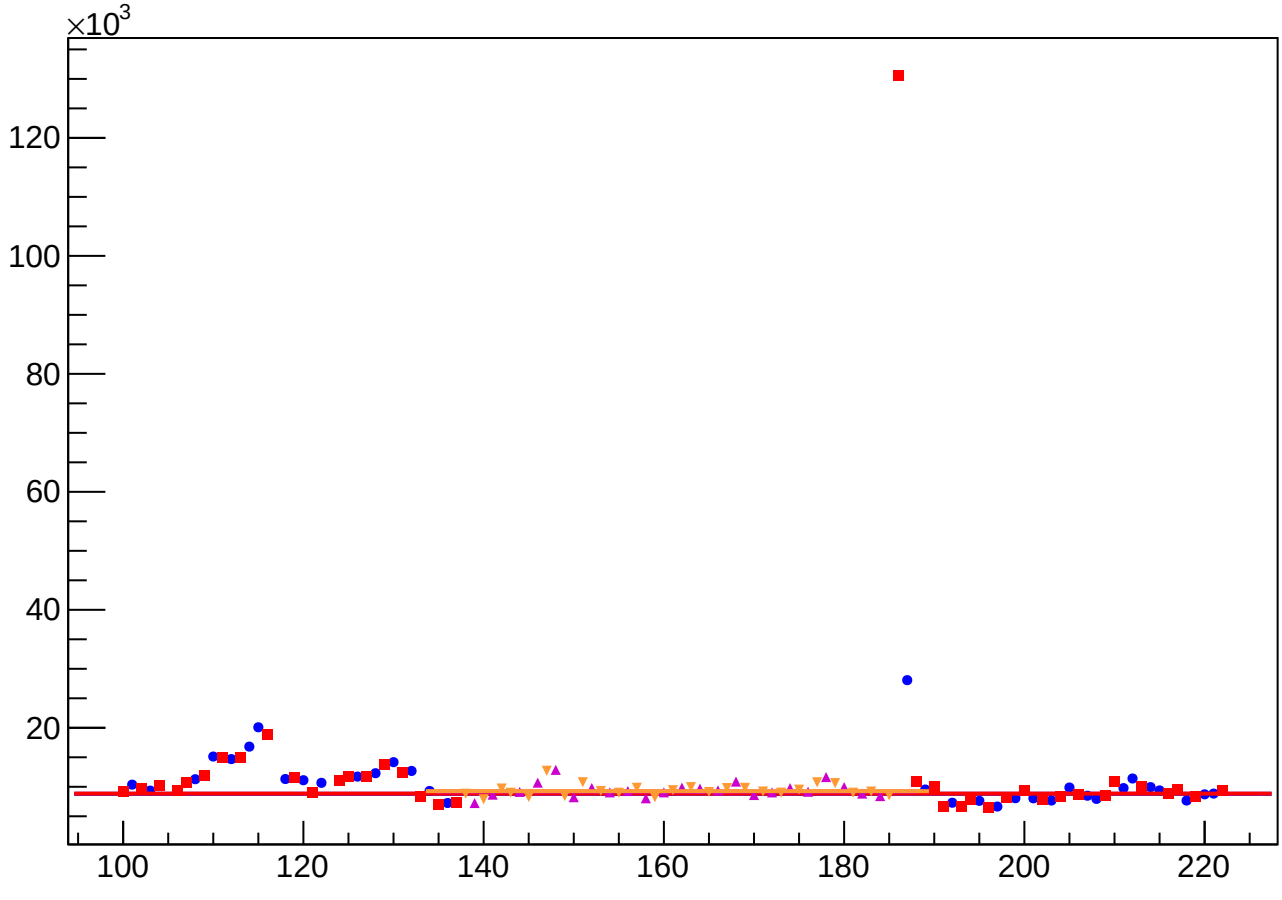
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.851+/-1.366 χ^2/NDF: 146.3/71

In: 1.933+/-1.441 χ^2/NDF:66.7/56

Out: -4.449+/-1.429 χ^2/NDF:131.1/62

All: -1.285+/-1.015 χ^2/NDF: 207.7/119



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: 8840.028+/-1.368 χ^2/NDF: 2409769.7/37

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

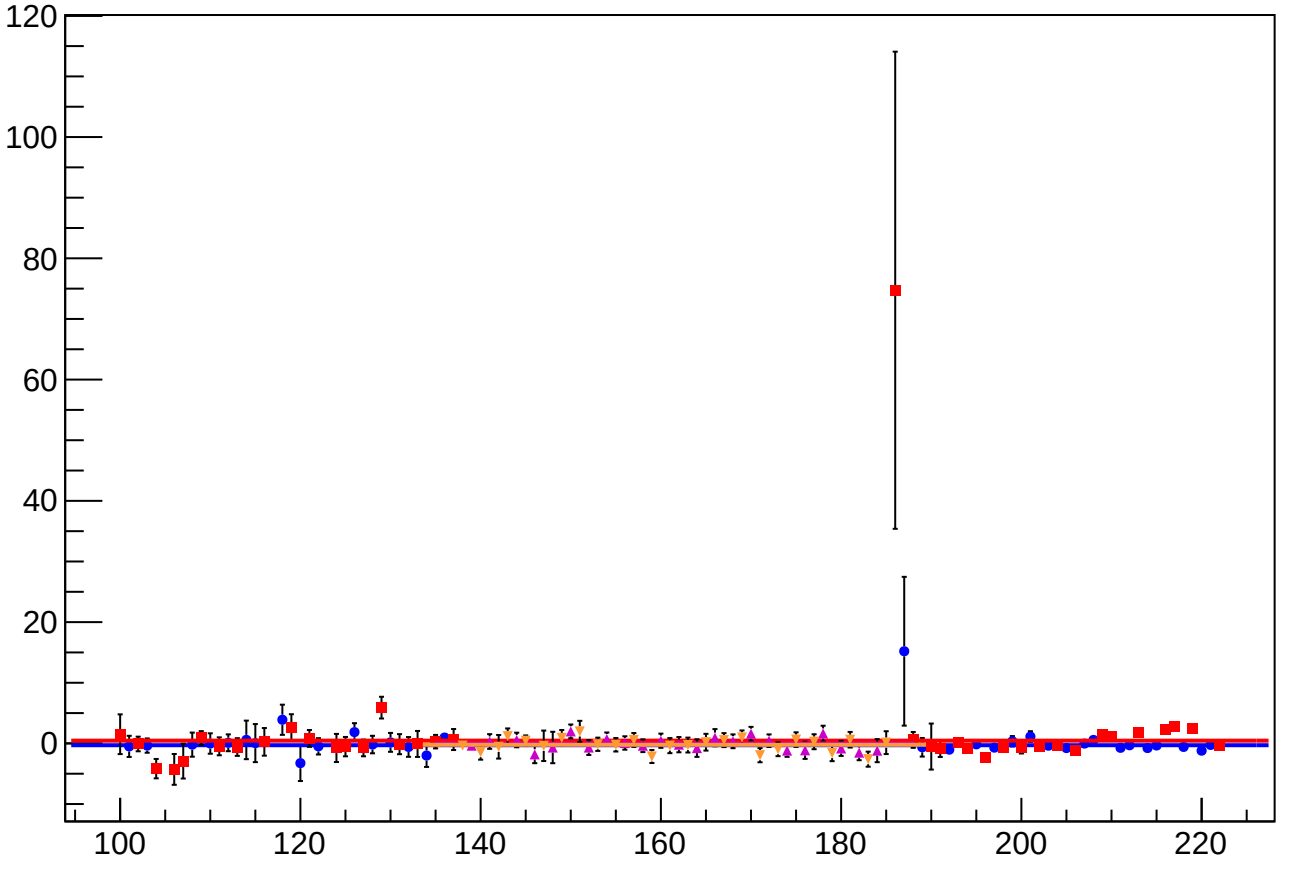
Right: 8824.907+/-0.966 χ^2/NDF: 4216894.8/71

In: 8981.719+/-1.019 χ^2/NDF:2358407.1/56

Out: 9031.379+/-1.011 χ^2/NDF:2818947.7/62

All: 9006.756+/-0.718 χ^2/NDF: 5178551.7/11

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



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: 0.452+/-0.159 χ^2/NDF: 103.7/37

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

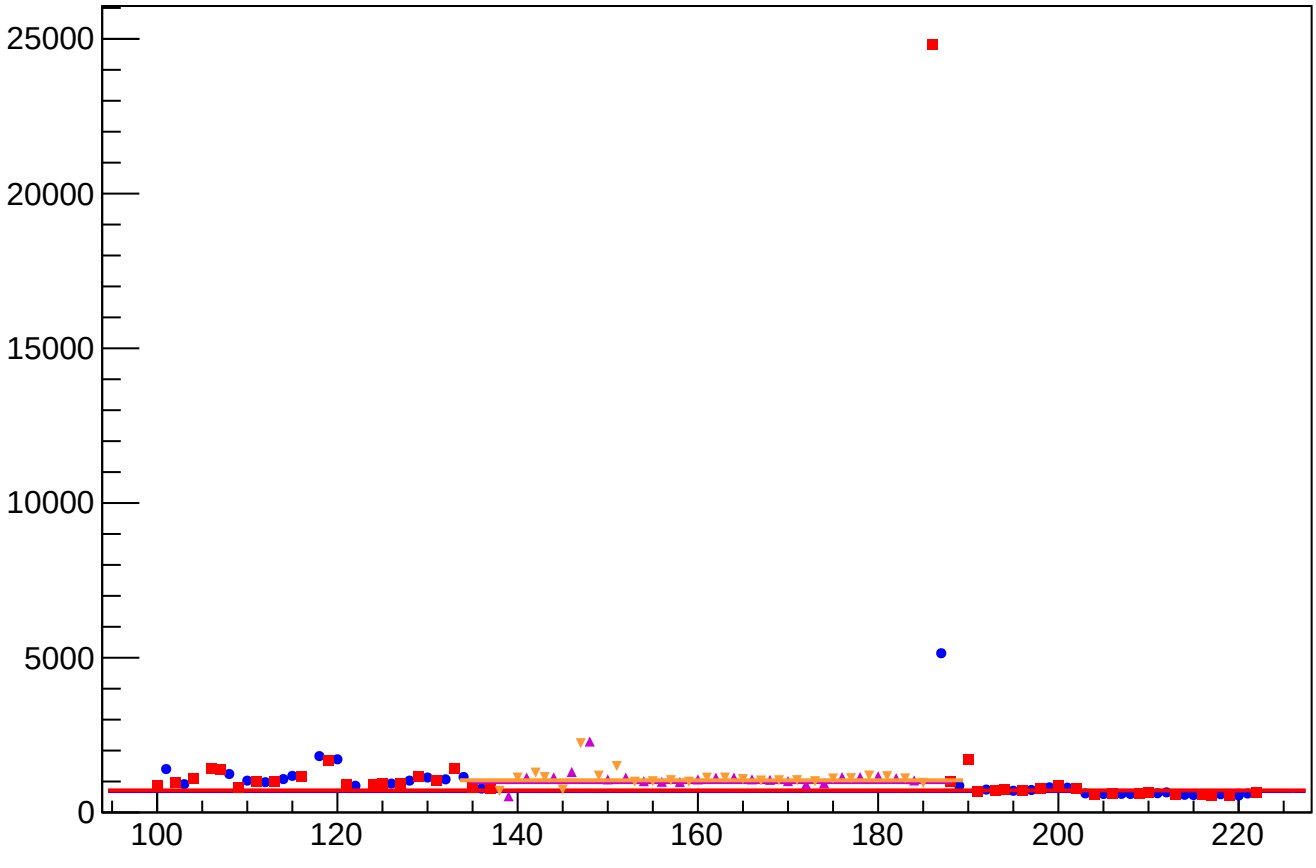
Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

Right: 0.062+/-0.111 χ^2/NDF: 136.9/71

In: -0.220+/-0.129 χ^2/NDF:37.8/56

Out: 0.248+/-0.133 χ^2/NDF:128.1/62

All: 0.007+/-0.093 χ^2/NDF: 172.3/119



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: 712.595+/-0.113 χ^2/NDF: 3407544.0/37

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

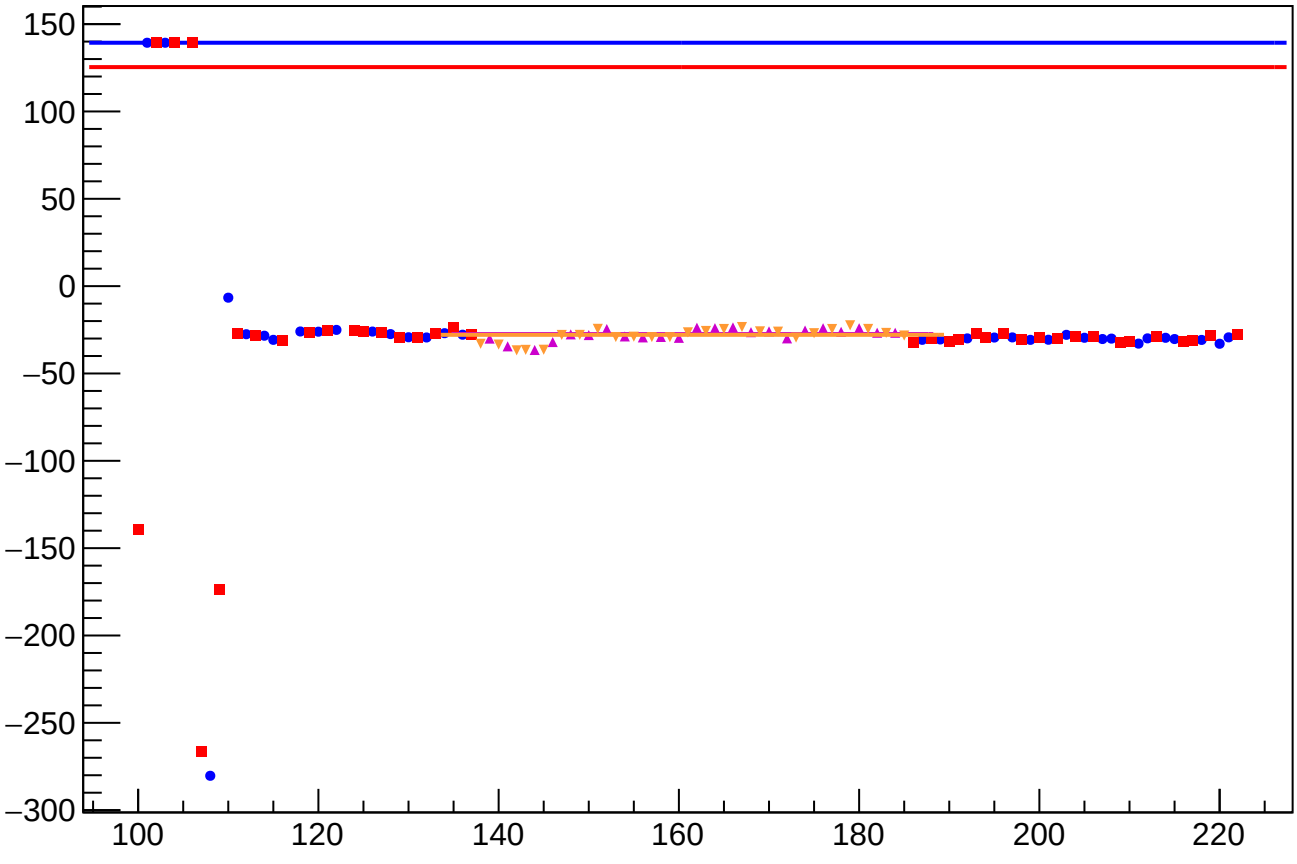
Right: 701.462+/-0.078 χ^2/NDF: 6420641.9/71

In: 776.052+/-0.091 χ^2/NDF:7309674.8/56

Out: 810.523+/-0.094 χ^2/NDF:7272619.0/62

All: 792.769+/-0.066 χ^2/NDF: 14651239.2/11

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: 7741962631828 39.0/37

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

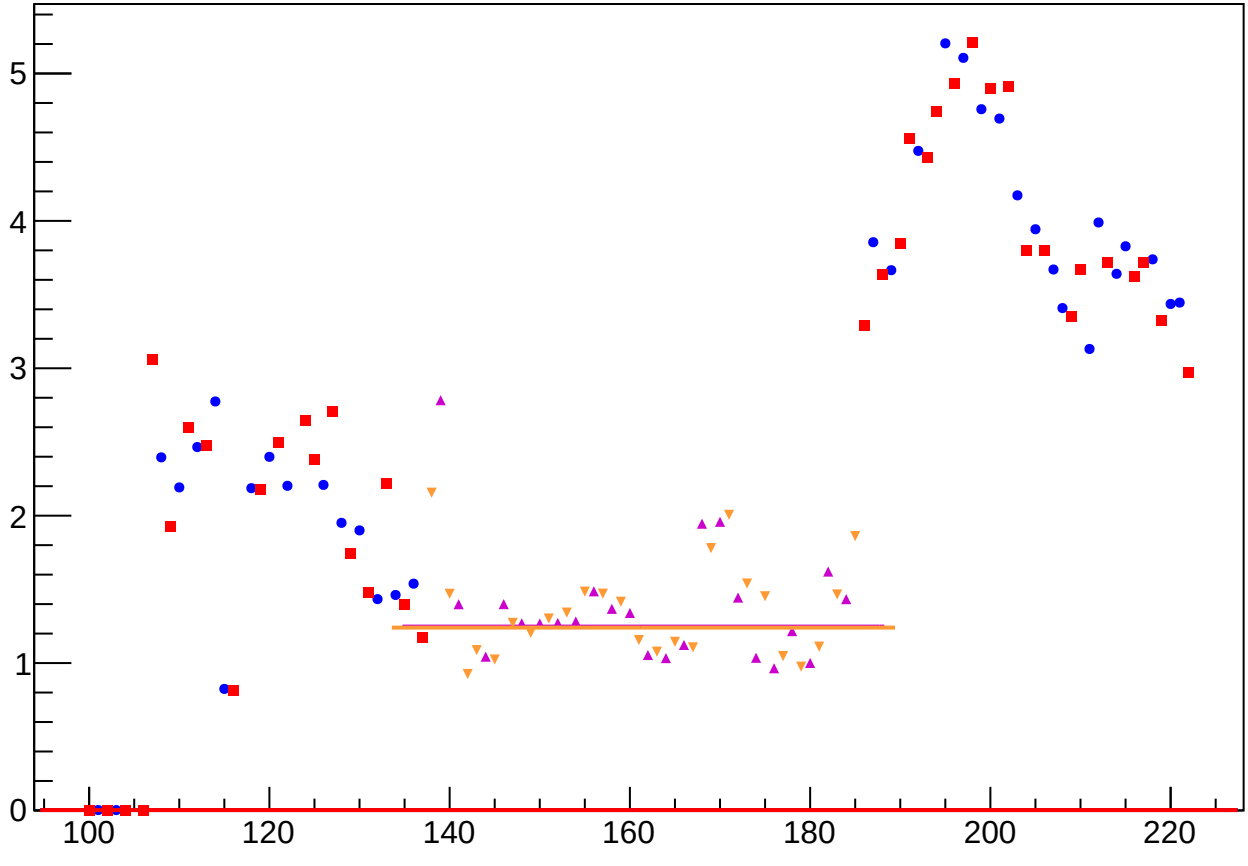
Right: 131.817+/-0.000 χ^2/NDF: 793054939173791

In: 139.327+/-0.000 χ^2/NDF:328680418285.6/56

Out: 125.384+/-0.000 χ^2/NDF:774426950221017.

All: 131.810+/-0.000 χ^2/NDF: 79353734902

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: 38611215.7/37

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

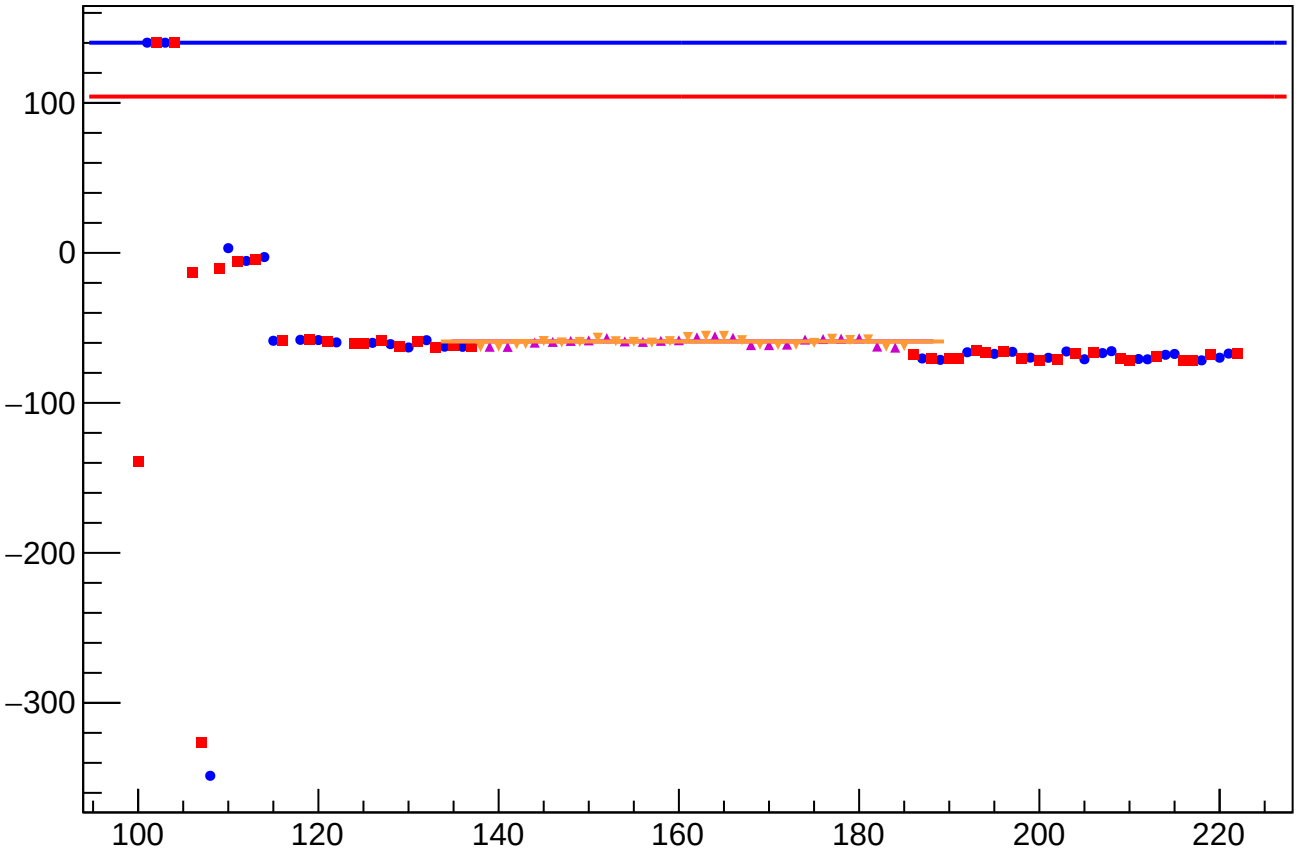
Right: 0.003+/-0.000 χ^2/NDF: 76902111.5/71

In: 0.003+/-0.000 χ^2/NDF:68055515.4/56

Out: 0.003+/-0.000 χ^2/NDF:69910755.1/62

All: 0.003+/-0.000 χ^2/NDF: 137966567.0/119

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: 1257749693865645.8/37

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

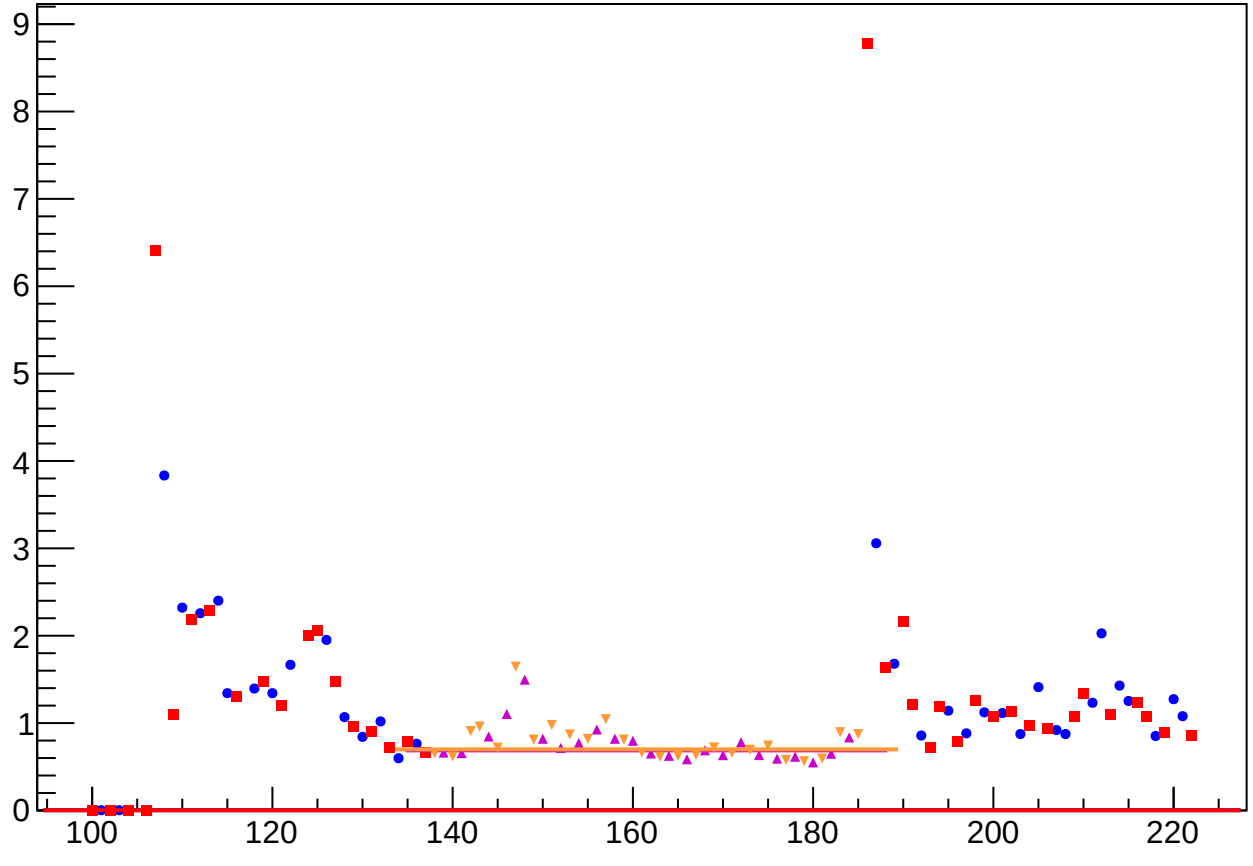
Right: 120.821+/-0.000 χ^2/NDF: 138168576544515

In: 140.095+/-0.000 χ^2/NDF:1914972974255.1/56

Out: 104.189+/-0.000 χ^2/NDF:1258621245650176

All: 120.790+/-0.000 χ^2/NDF: 13837837017

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: 35874547.4/37

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

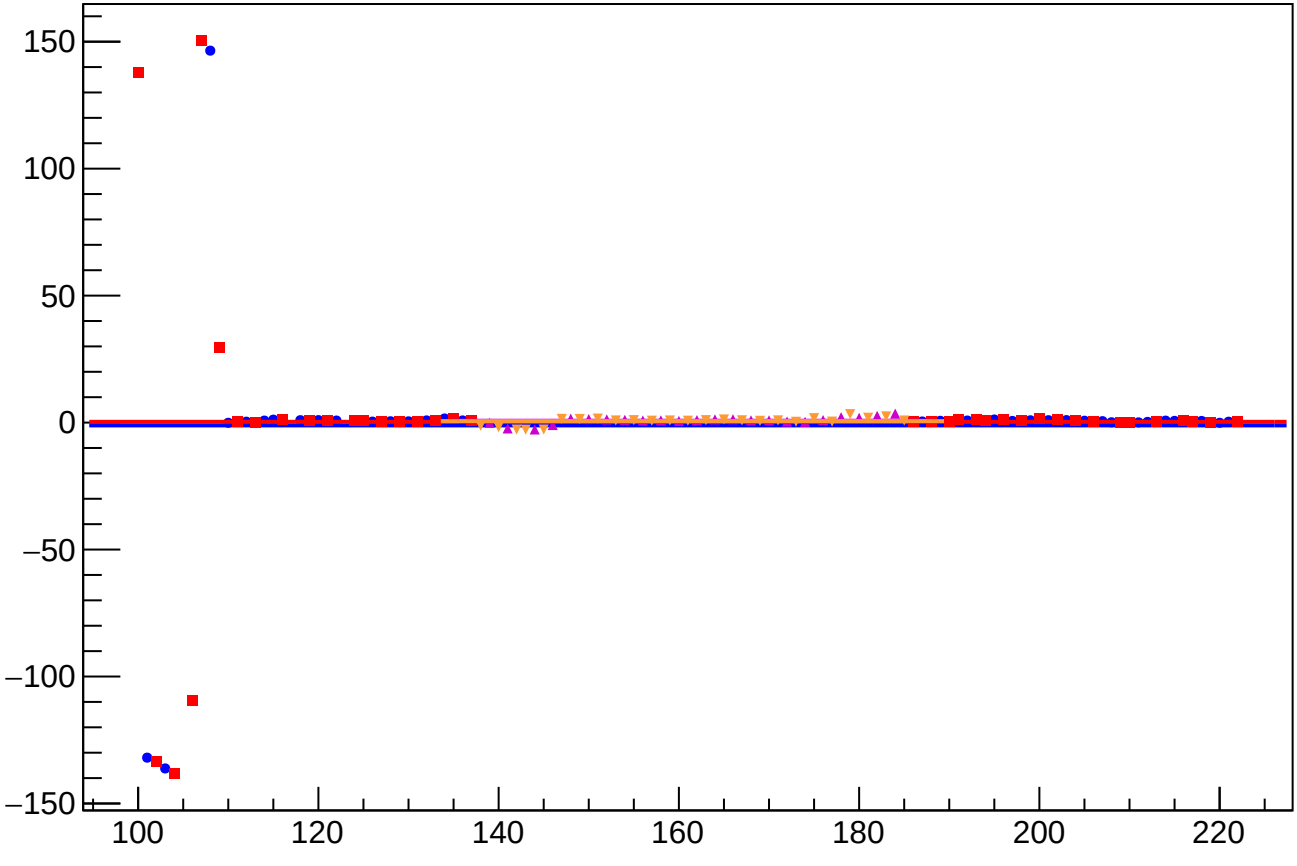
Right: 0.003+/-0.000 χ^2/NDF: 70722888.9/71

In: 0.003+/-0.000 χ^2/NDF:66149551.2/56

Out: 0.003+/-0.000 χ^2/NDF:68927529.7/62

All: 0.003+/-0.000 χ^2/NDF: 135077581.0/119

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: 0.305+/-0.000 χ^2/NDF: 3613126684.6/37

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

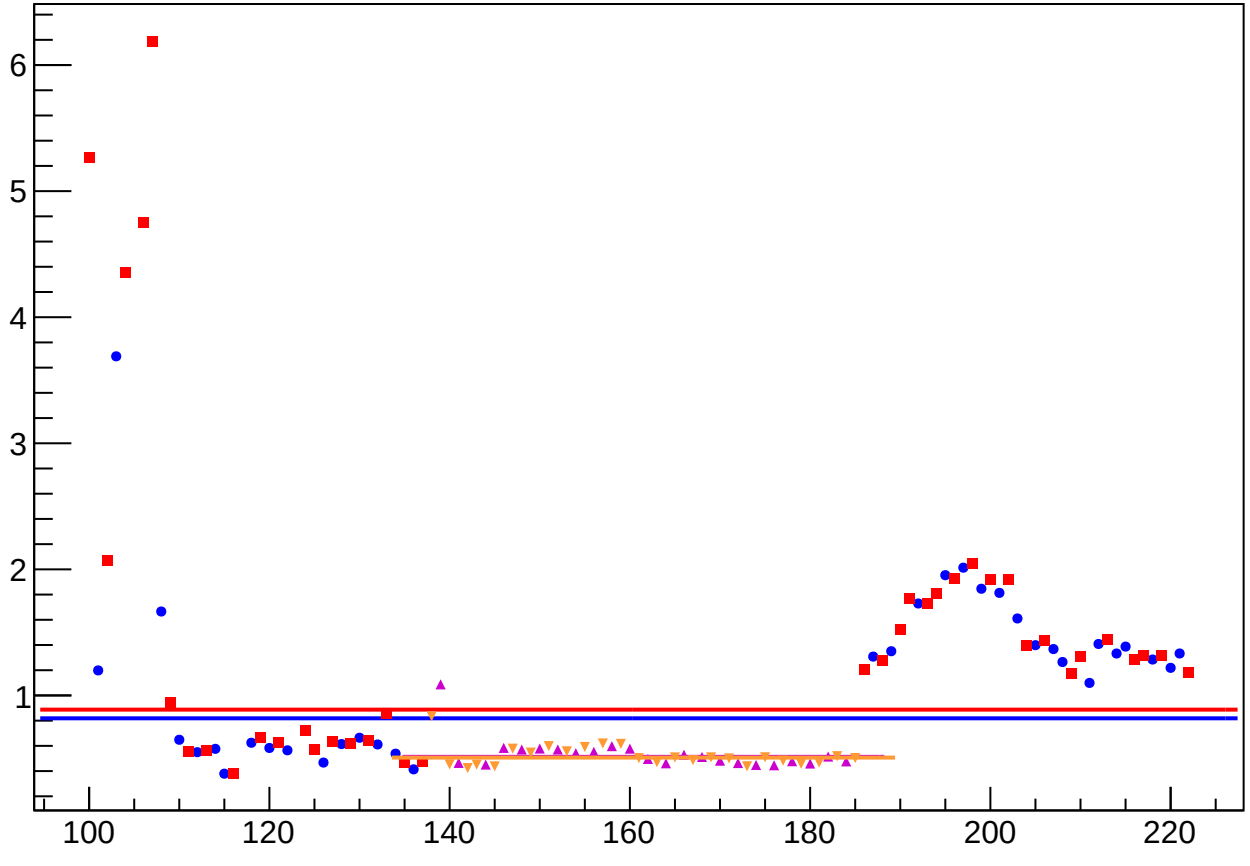
Right: -0.449+/-0.000 χ^2/NDF: 13549438309.3/71

In: 0.194+/-0.000 χ^2/NDF:10075385266.6/56

Out: 0.507+/-0.000 χ^2/NDF:3768594379.7/62

All: 0.353+/-0.000 χ^2/NDF: 13847922999.7/1

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: 0.887+/-0.000 χ^2/NDF: 9474146.6/37

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

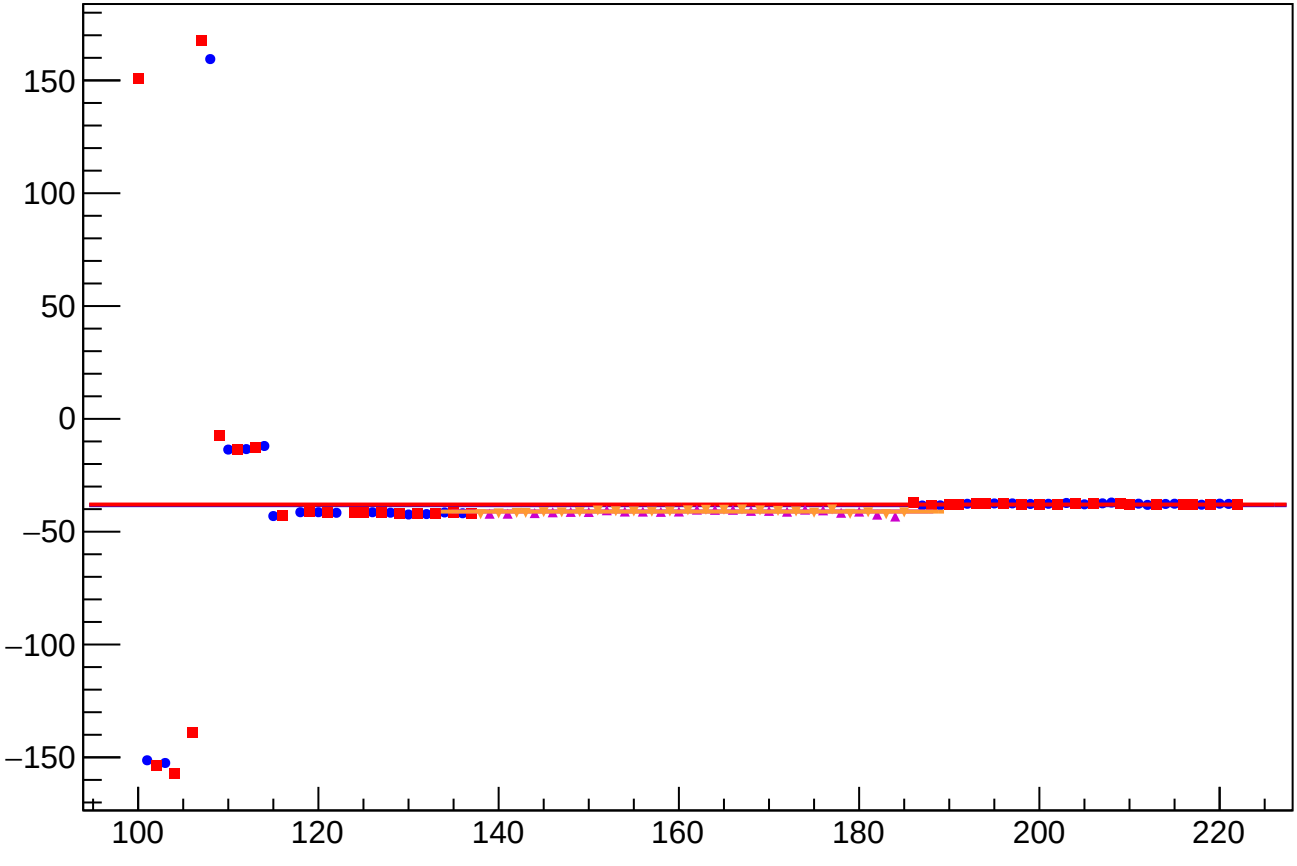
Right: 0.851+/-0.000 χ^2/NDF: 19070665.7/71

In: 0.602+/-0.000 χ^2/NDF:13308875.4/56

Out: 0.602+/-0.000 χ^2/NDF:14428298.2/62

All: 0.602+/-0.000 χ^2/NDF: 27737175.2/119

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: -37.967+/-0.000 χ^2/NDF: 2514810101.1/37

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

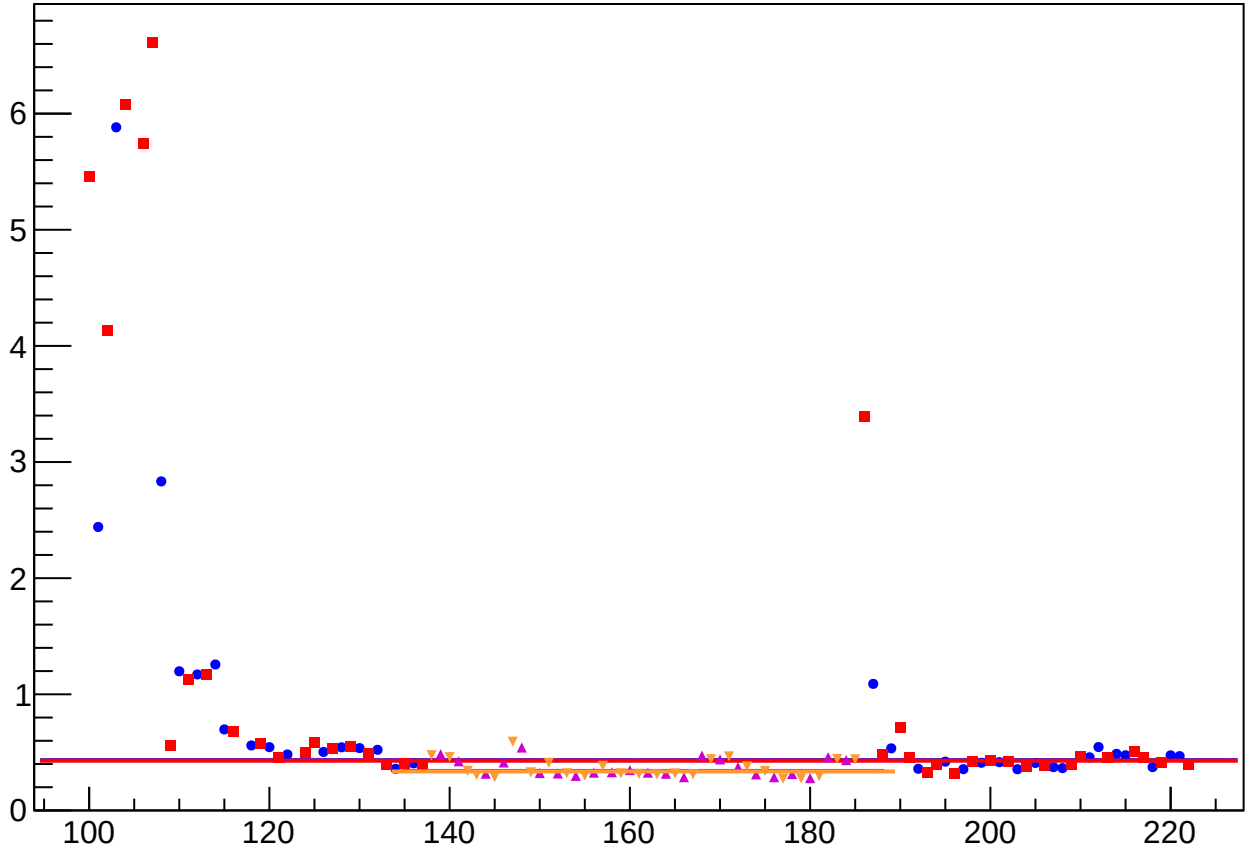
Right: -38.103+/-0.000 χ^2/NDF: 6145295361.8/71

In: -39.902+/-0.000 χ^2/NDF:4134137628.4/56

Out: -39.881+/-0.000 χ^2/NDF:3171327935.6/62

All: -39.891+/-0.000 χ^2/NDF: 7305524612.2/

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: 0.429+/-0.000 χ^2/NDF: 4763016.8/37

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

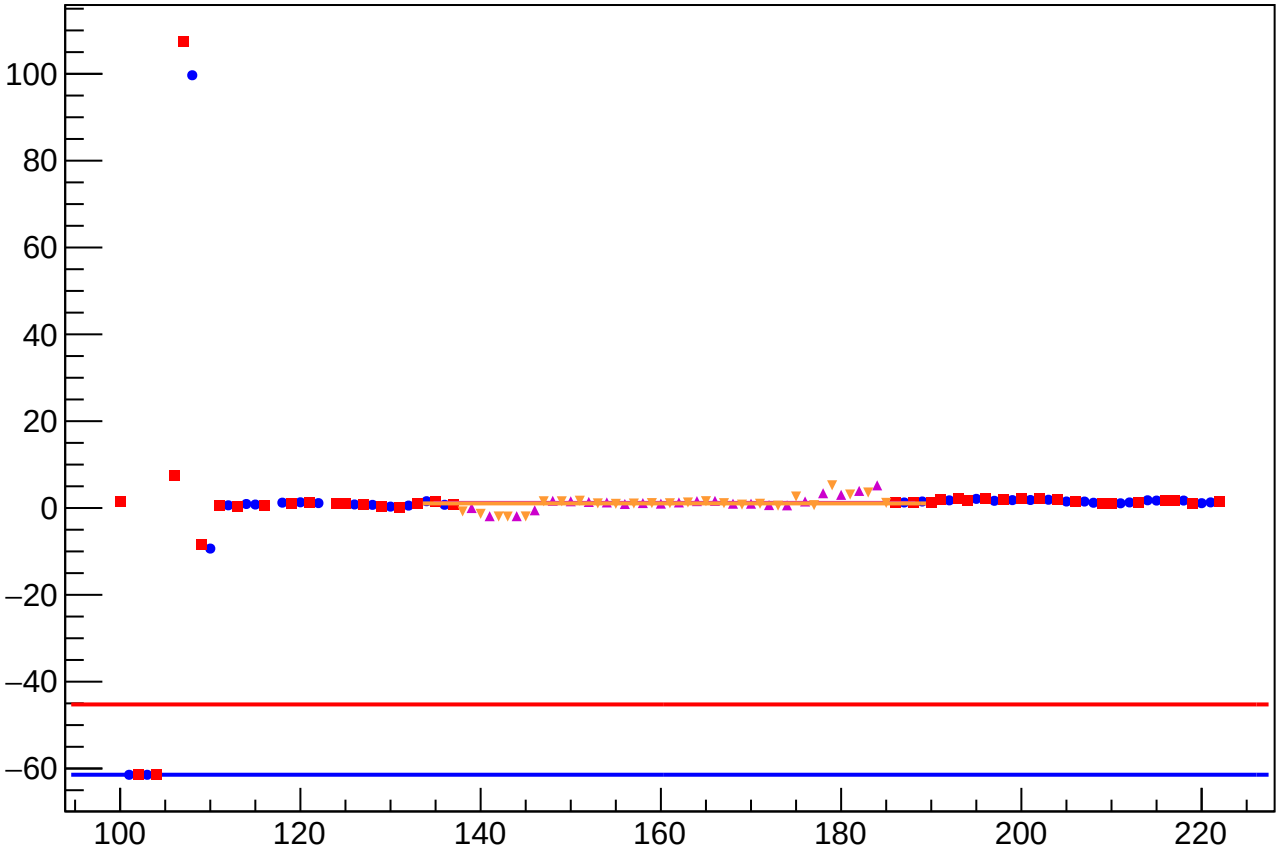
Right: 0.431+/-0.000 χ^2/NDF: 8684286.6/71

In: 0.378+/-0.000 χ^2/NDF:5991200.7/56

Out: 0.372+/-0.000 χ^2/NDF:7059244.1/62

All: 0.375+/-0.000 χ^2/NDF: 13059255.6/119

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: 357890675649932.9/37

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

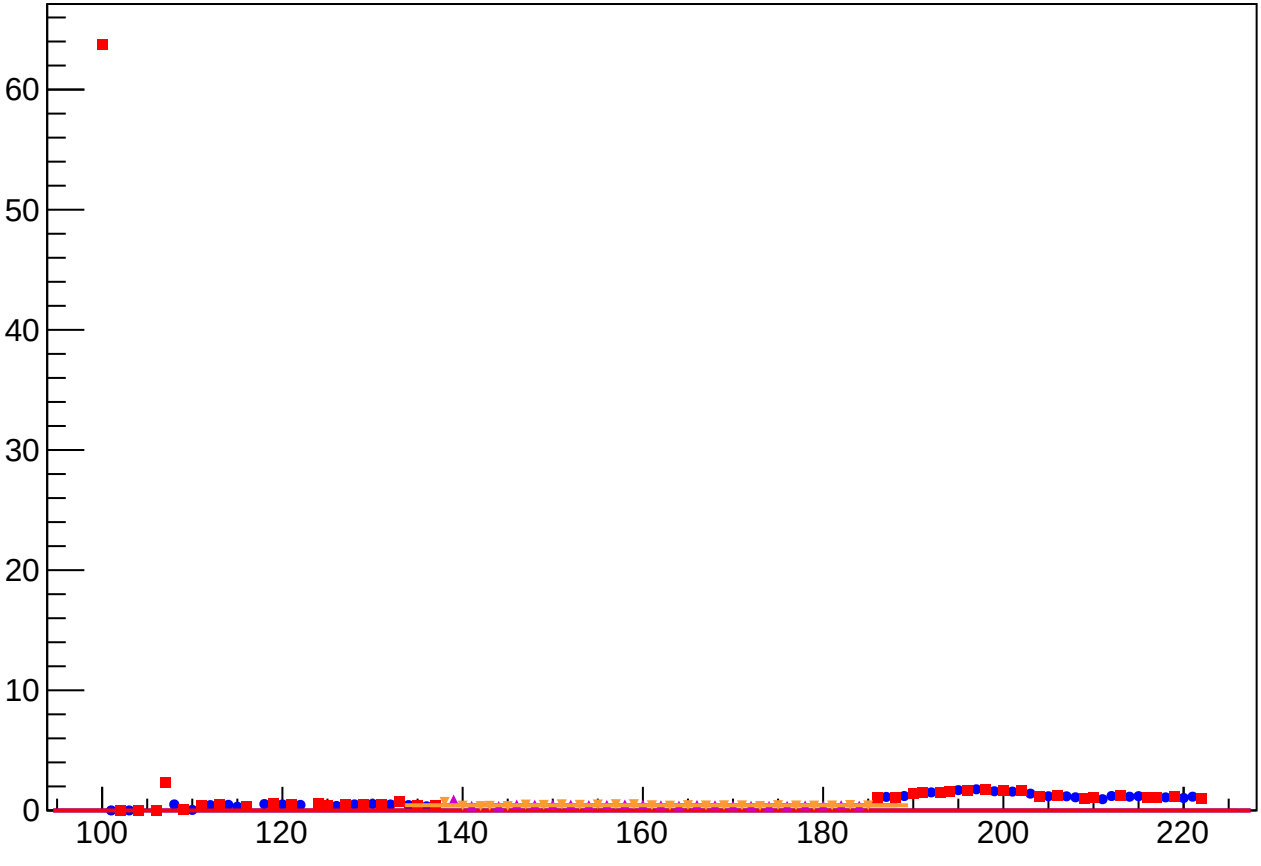
Right: -52.748+/-0.000 χ^2/NDF: 409177262077937

In: -61.421+/-0.000 χ^2/NDF:613956734501.3/56

Out: -45.235+/-0.000 χ^2/NDF:358071951883045.4

All: -52.737+/-0.000 χ^2/NDF: 409646656272

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: 38251504.3/37

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

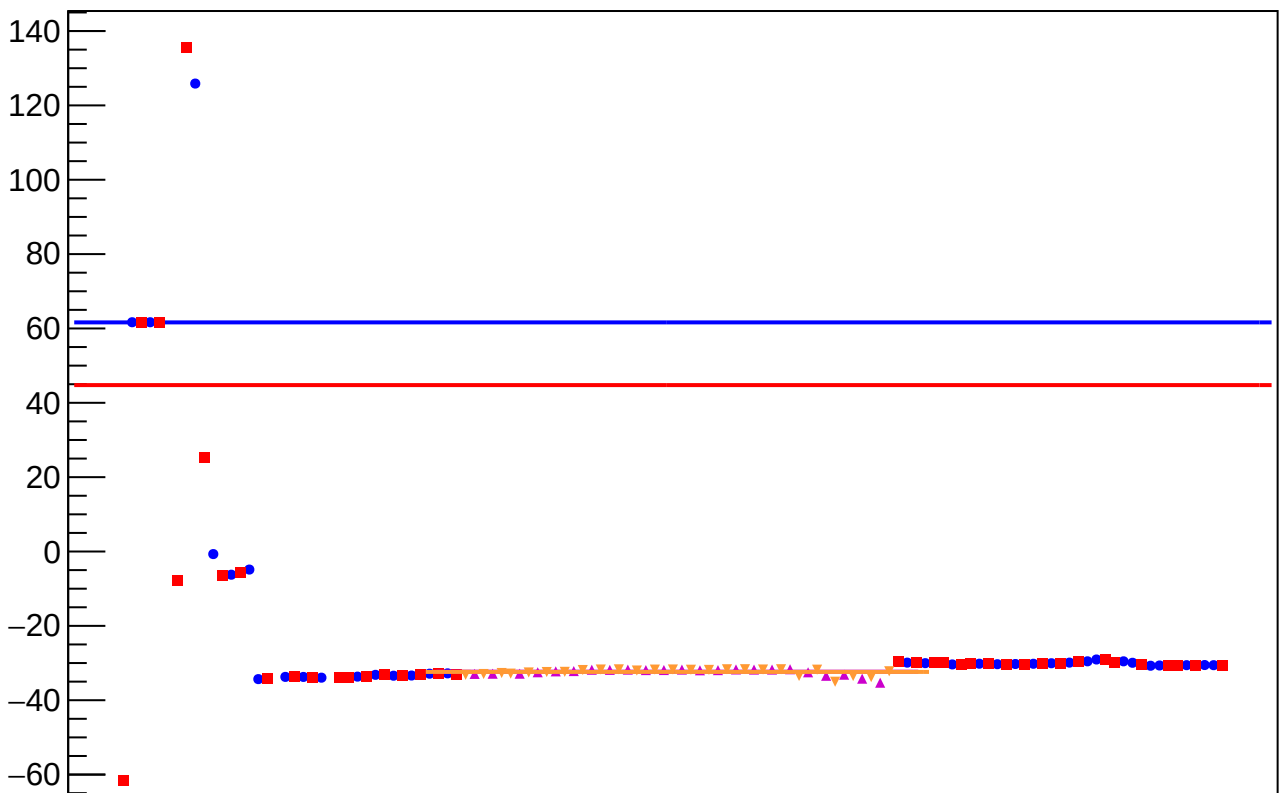
Right: 0.001+/-0.000 χ^2/NDF: 76125988.8/71

In: 0.002+/-0.000 χ^2/NDF:68012345.8/56

Out: 0.002+/-0.000 χ^2/NDF:70014654.9/62

All: 0.002+/-0.000 χ^2/NDF: 138027070.9/119

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: 44.764+/-0.000 χ^2/NDF: 3667136367809 96.8/37

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

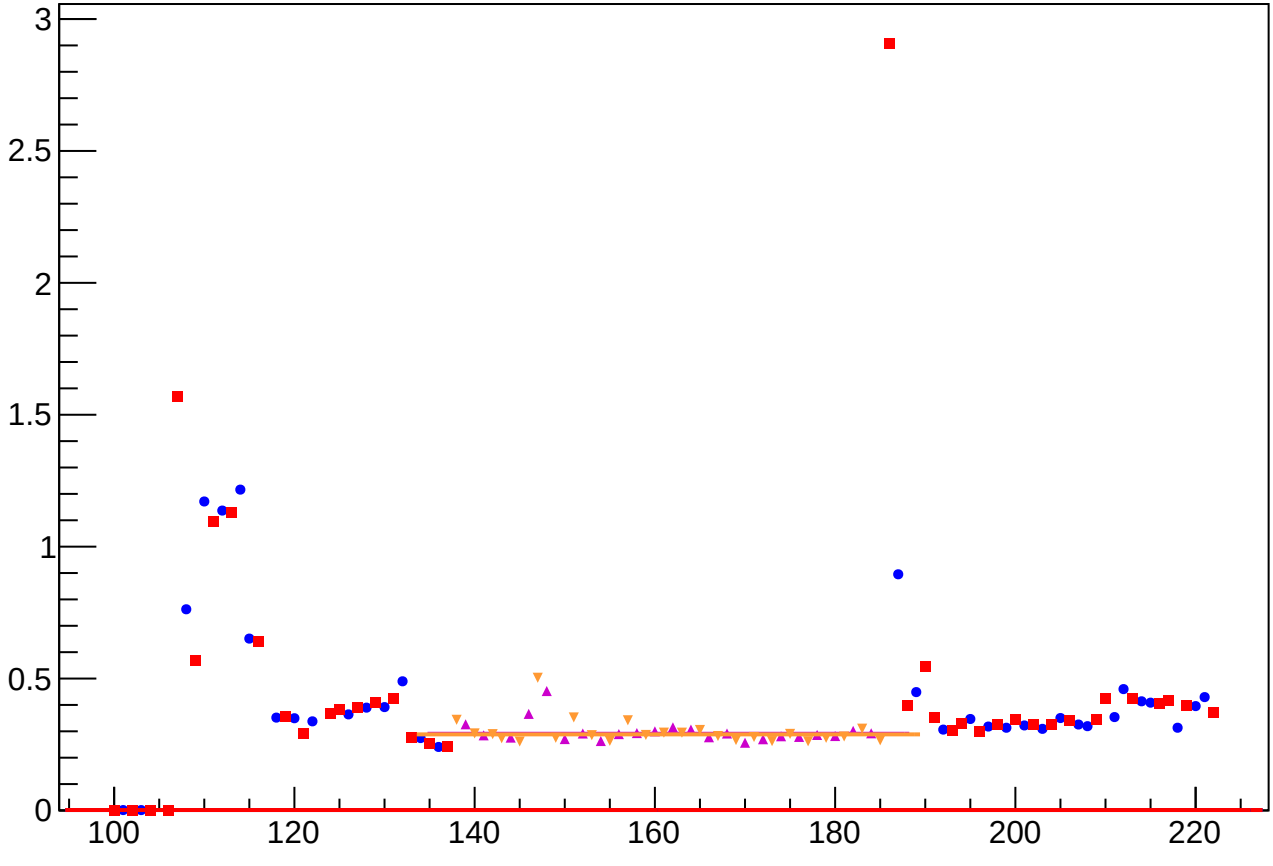
Right: 52.663+/-0.000 χ^2/NDF: 419109536250388.5

In: 61.573+/-0.000 χ^2/NDF:3156649181278.1/56

Out: 44.719+/-0.000 χ^2/NDF:368031495114281.8

All: 52.612+/-0.000 χ^2/NDF: 4222023696461

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: 39054536.2/37

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

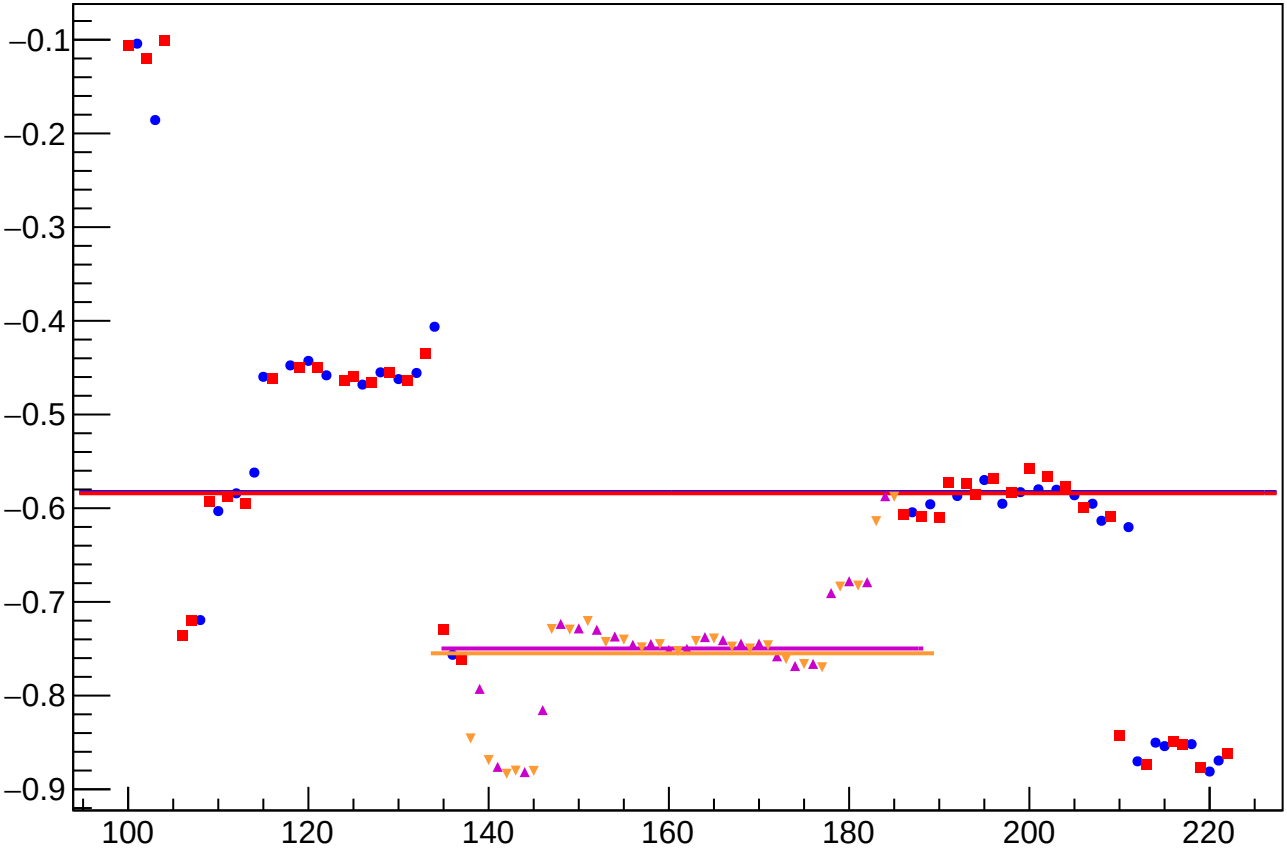
Right: 0.002+/-0.000 χ^2/NDF: 78186384.3/71

In: 0.002+/-0.000 χ^2/NDF:74014154.1/56

Out: 0.002+/-0.000 χ^2/NDF:75990151.9/62

All: 0.002+/-0.000 χ^2/NDF: 150004330.4/119

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: -0.584+/-0.000 χ^2/NDF: 379428579.1/37

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

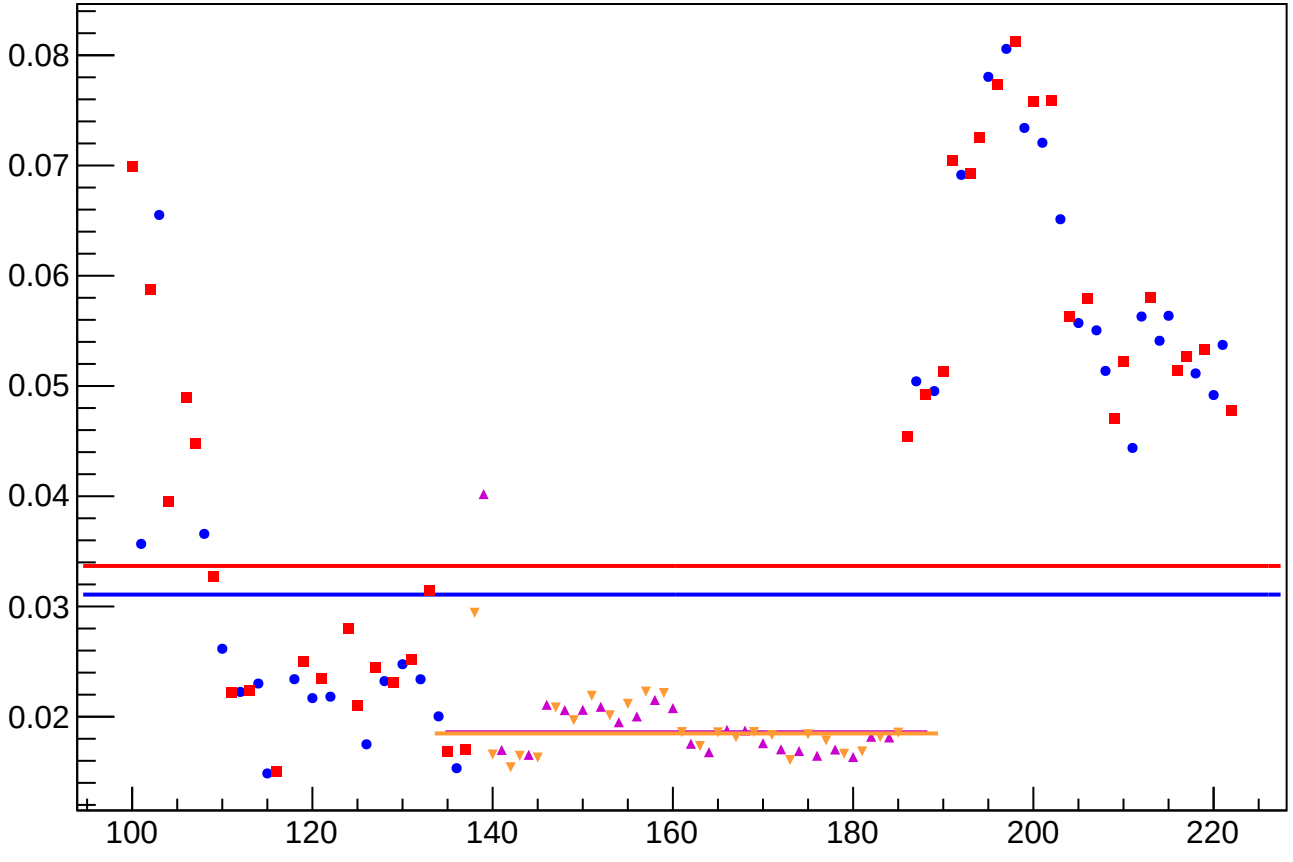
Right: -0.583+/-0.000 χ^2/NDF: 854676730.9/71

In: -0.704+/-0.000 χ^2/NDF:939998904.5/56

Out: -0.714+/-0.000 χ^2/NDF:910735017.0/62

All: -0.709+/-0.000 χ^2/NDF: 1853717185.0/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 9761790.8/33

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.034+/-0.000 χ^2/NDF: 8847734.8/37

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

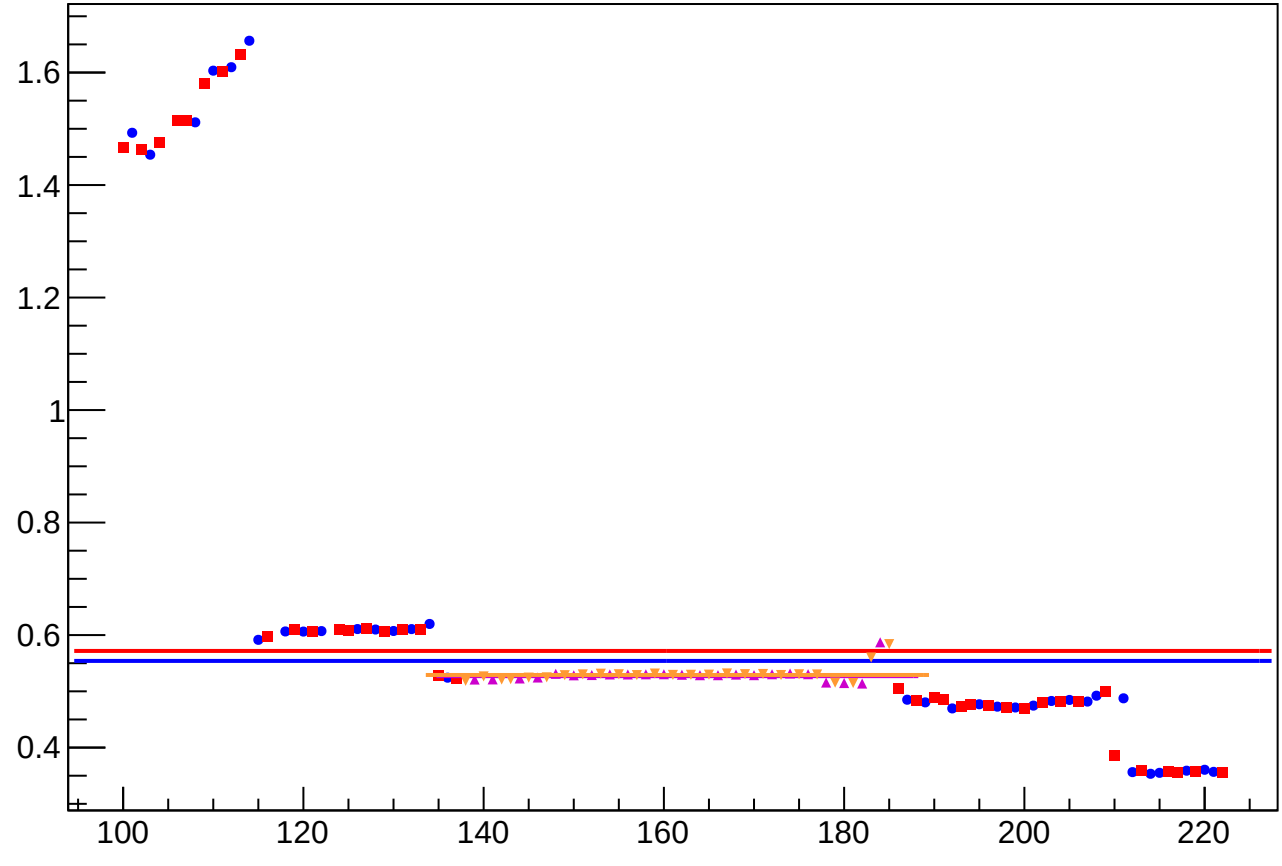
Right: 0.032+/-0.000 χ^2/NDF: 18711706.9/71

In: 0.022+/-0.000 χ^2/NDF:14124221.5/56

Out: 0.022+/-0.000 χ^2/NDF:14381372.8/62

All: 0.022+/-0.000 χ^2/NDF: 28506223.8/119

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: 0.572+/-0.000 χ^2/NDF: 7497973705.0/37

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

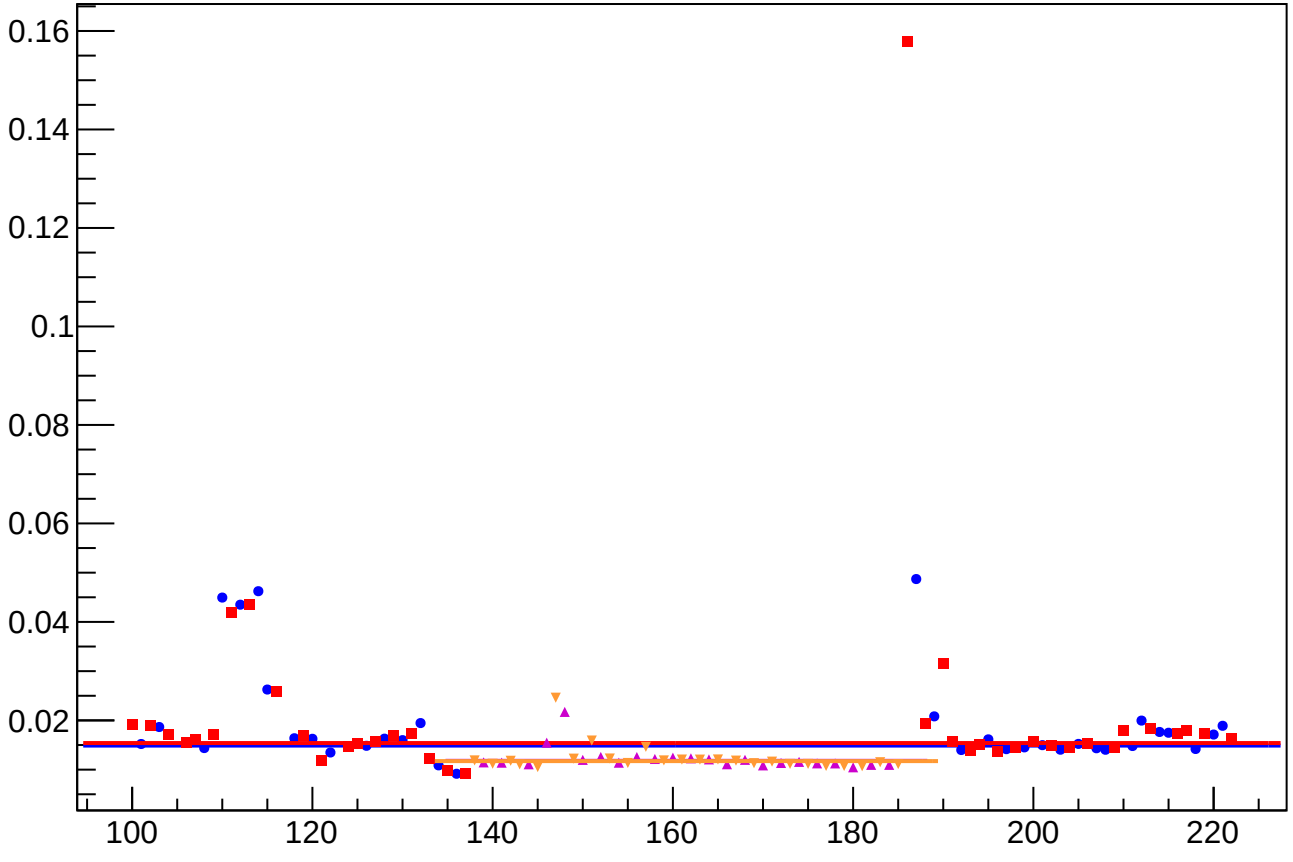
Right: 0.563+/-0.000 χ^2/NDF: 14040681641.3/71

In: 0.538+/-0.000 χ^2/NDF:6580445984.5/56

Out: 0.546+/-0.000 χ^2/NDF:7608952351.3/62

All: 0.542+/-0.000 χ^2/NDF: 14195275862.2/1

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: 2575095.0/37

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

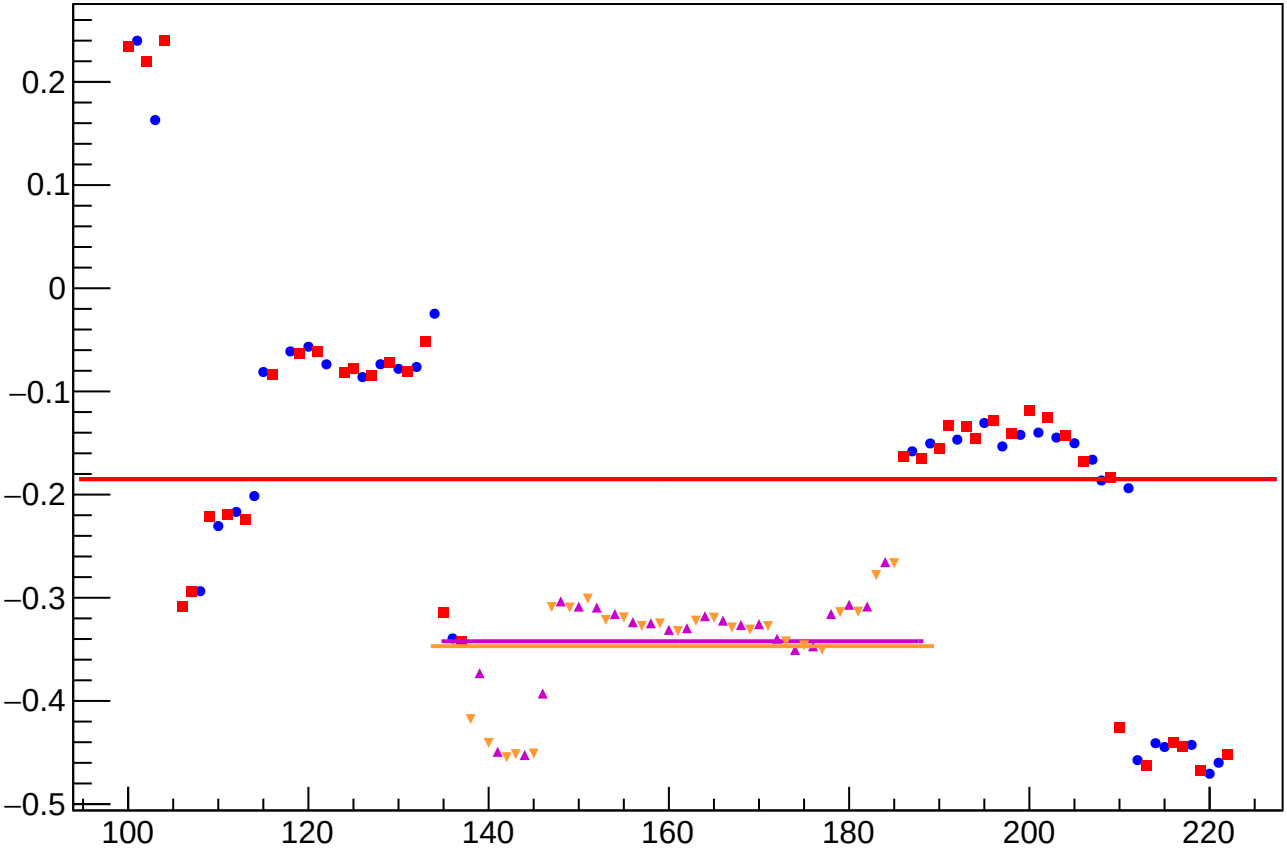
Right: 0.015+/-0.000 χ^2/NDF: 4921562.0/71

In: 0.013+/-0.000 χ^2/NDF:3848174.9/56

Out: 0.013+/-0.000 χ^2/NDF:4671419.6/62

All: 0.013+/-0.000 χ^2/NDF: 8520831.7/119

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: -0.185+/-0.000 χ^2/NDF: 365940354.4/37

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

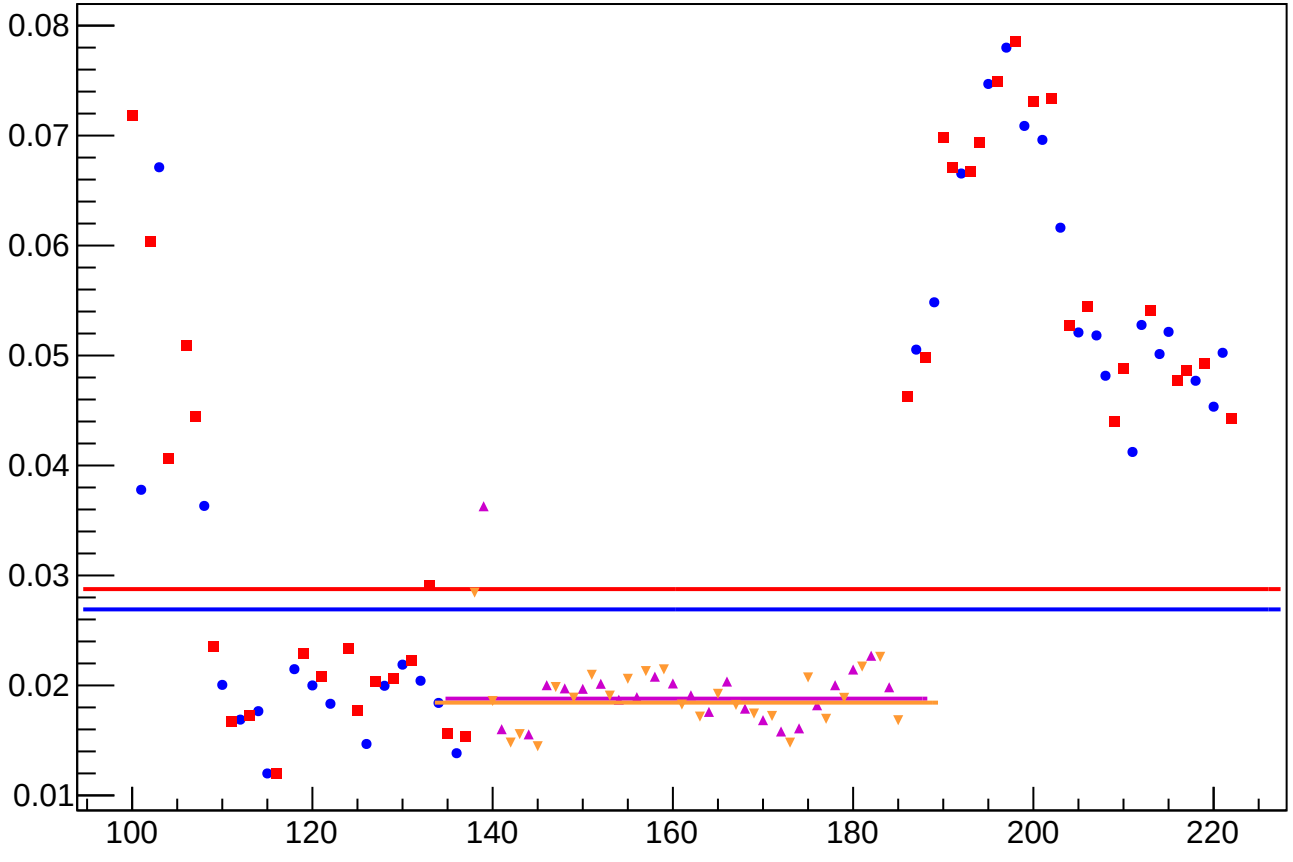
Right: -0.185+/-0.000 χ^2/NDF: 817567200.2/71

In: -0.291+/-0.000 χ^2/NDF:878825705.6/56

Out: -0.301+/-0.000 χ^2/NDF:839099133.0/62

All: -0.296+/-0.000 χ^2/NDF: 1720864084.7/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 11282758.5/33

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10822489.9/37

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

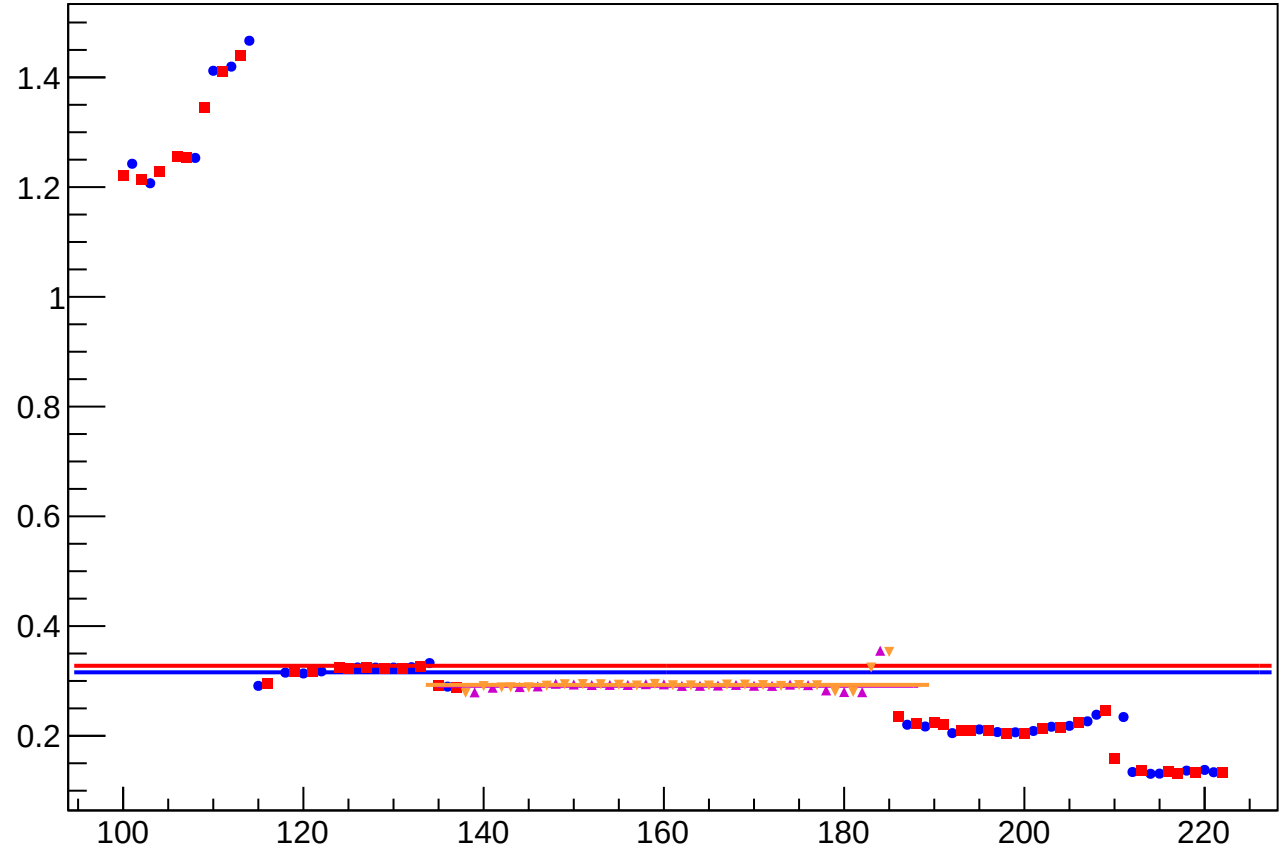
Right: 0.028+/-0.000 χ^2/NDF: 22171124.3/71

In: 0.021+/-0.000 χ^2/NDF:13811156.4/56

Out: 0.021+/-0.000 χ^2/NDF:14285282.8/62

All: 0.021+/-0.000 χ^2/NDF: 28096651.6/119

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: 0.328+/-0.000 χ^2/NDF: 10081234037.0/37

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

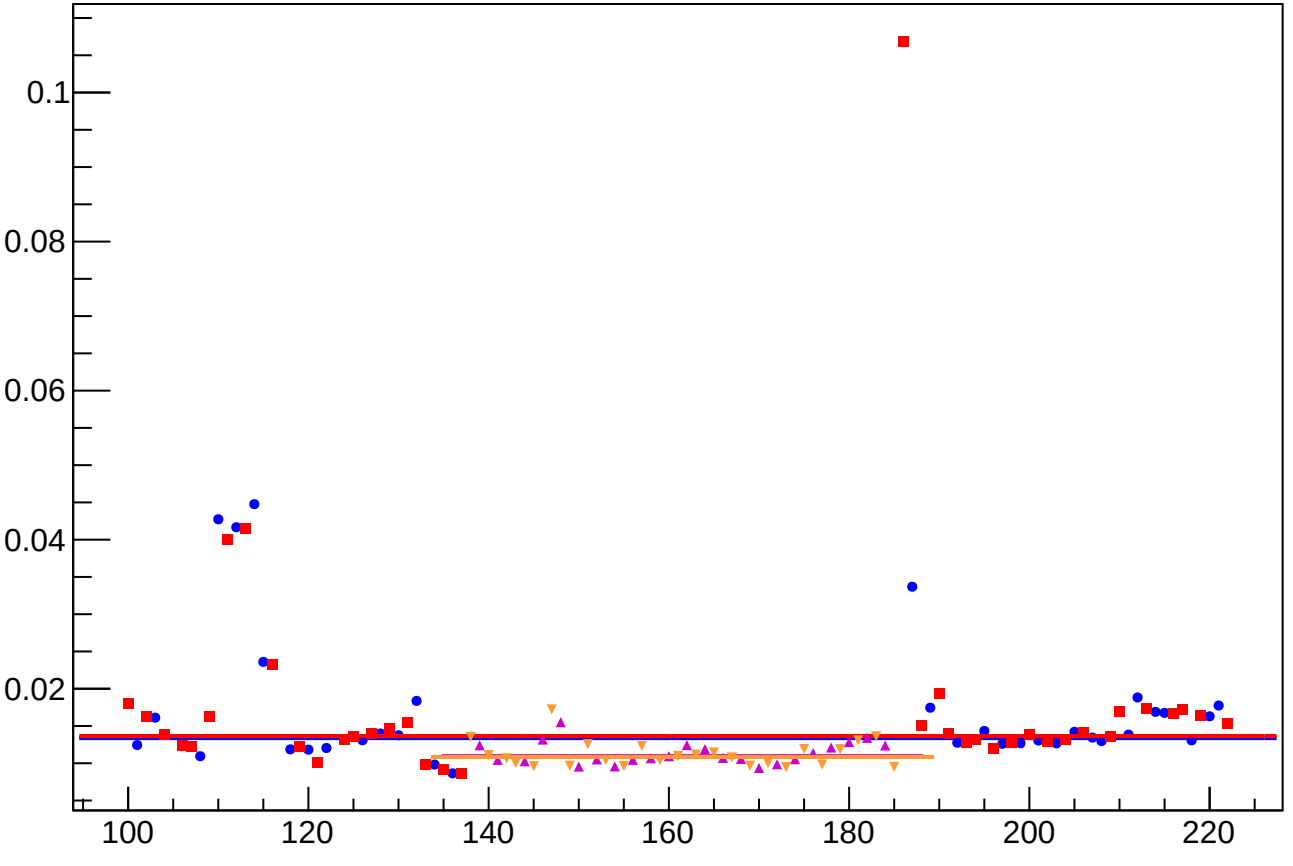
Right: 0.322+/-0.000 χ^2/NDF: 19259653531.8/71

In: 0.302+/-0.000 χ^2/NDF:9218683855.2/56

Out: 0.307+/-0.000 χ^2/NDF:10175219877.0/62

All: 0.304+/-0.000 χ^2/NDF: 19397398334.2/1

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: 2575001.5/37

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

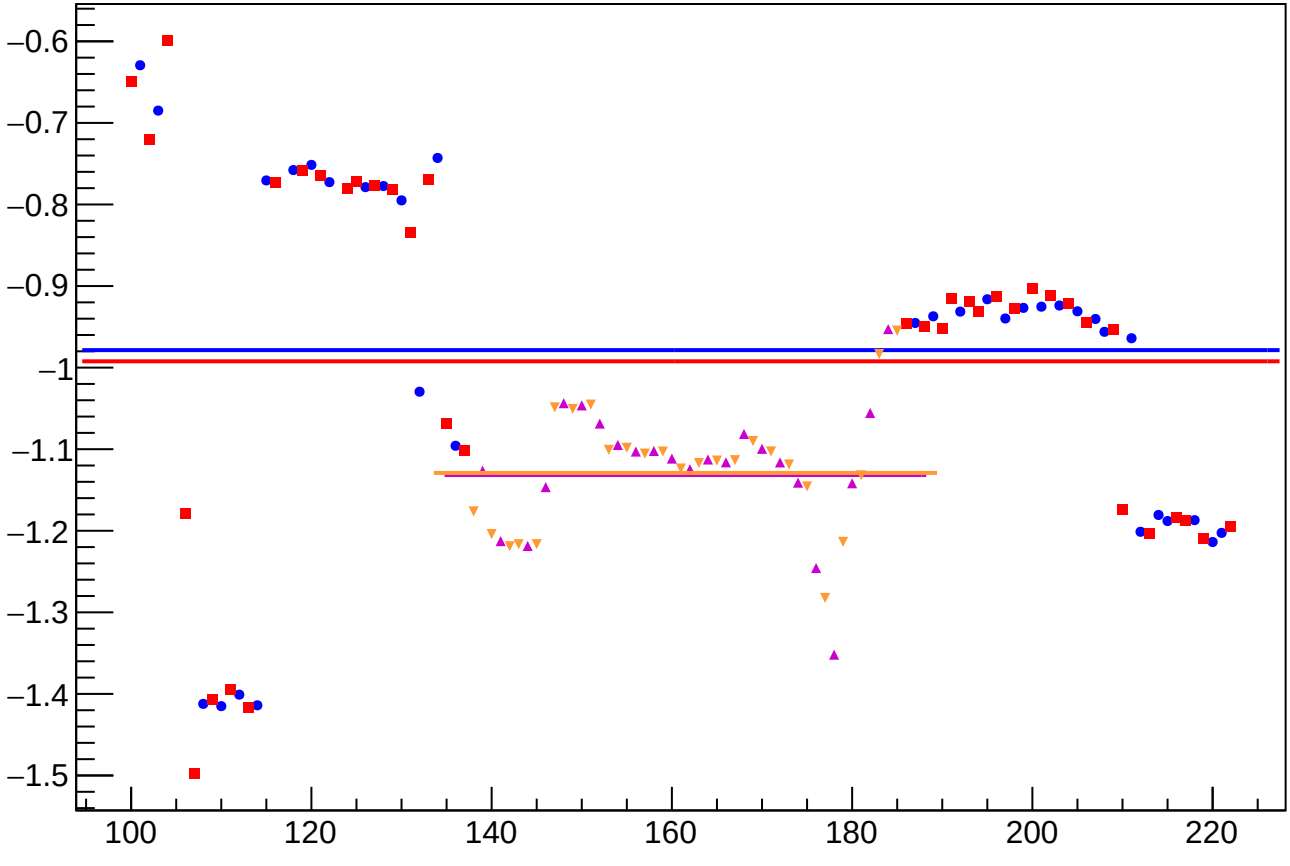
Right: 0.014+/-0.000 χ^2/NDF: 4912299.7/71

In: 0.012+/-0.000 χ^2/NDF:3571077.6/56

Out: 0.012+/-0.000 χ^2/NDF:4233558.0/62

All: 0.012+/-0.000 χ^2/NDF: 7804674.2/119

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: -0.992+/-0.000 χ^2/NDF: 805467978.5/37

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

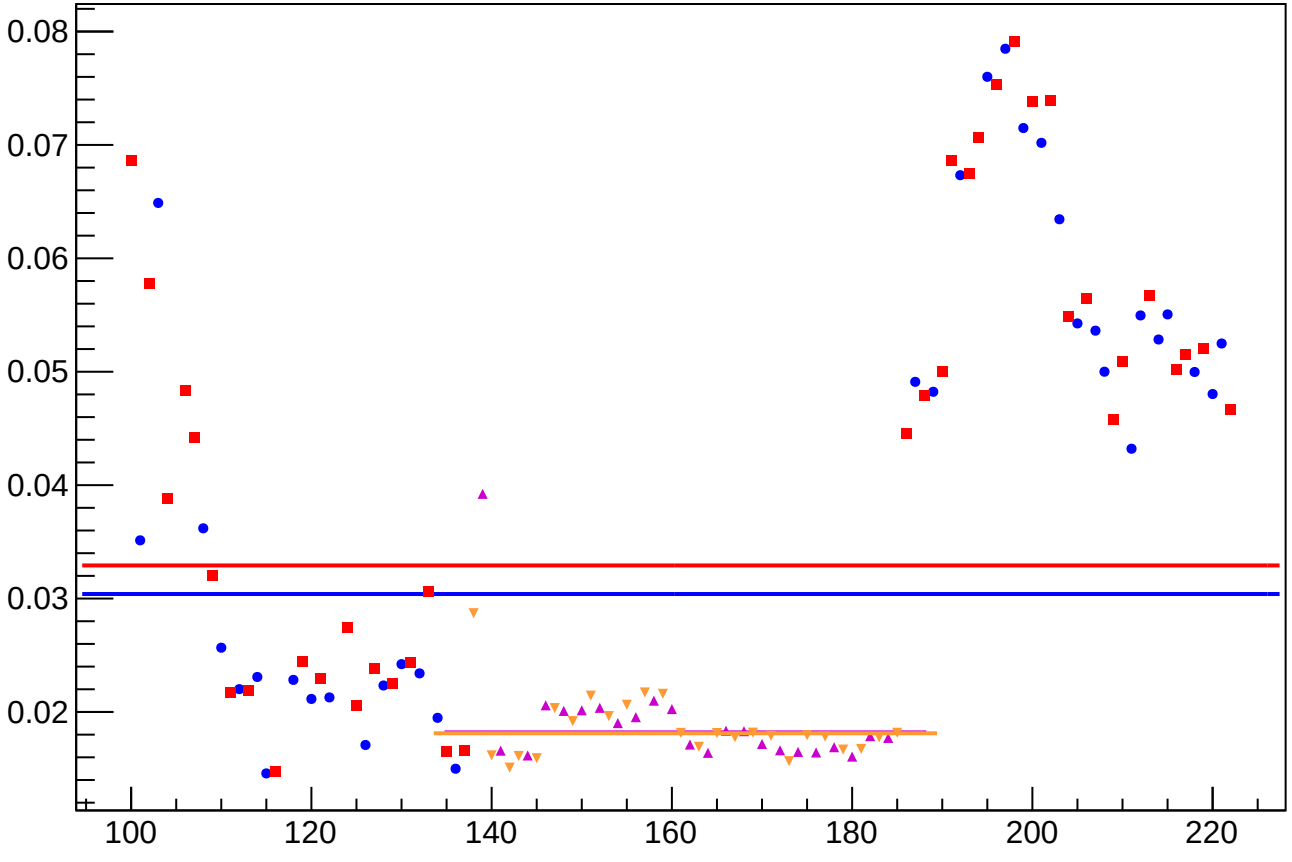
Right: -0.985+/-0.000 χ^2/NDF: 1612227284.0/71

In: -1.090+/-0.000 χ^2/NDF:1350250303.3/56

Out: -1.096+/-0.000 χ^2/NDF:1257339754.0/62

All: -1.093+/-0.000 χ^2/NDF: 2608920120.2/1

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: 8817792.6/37

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

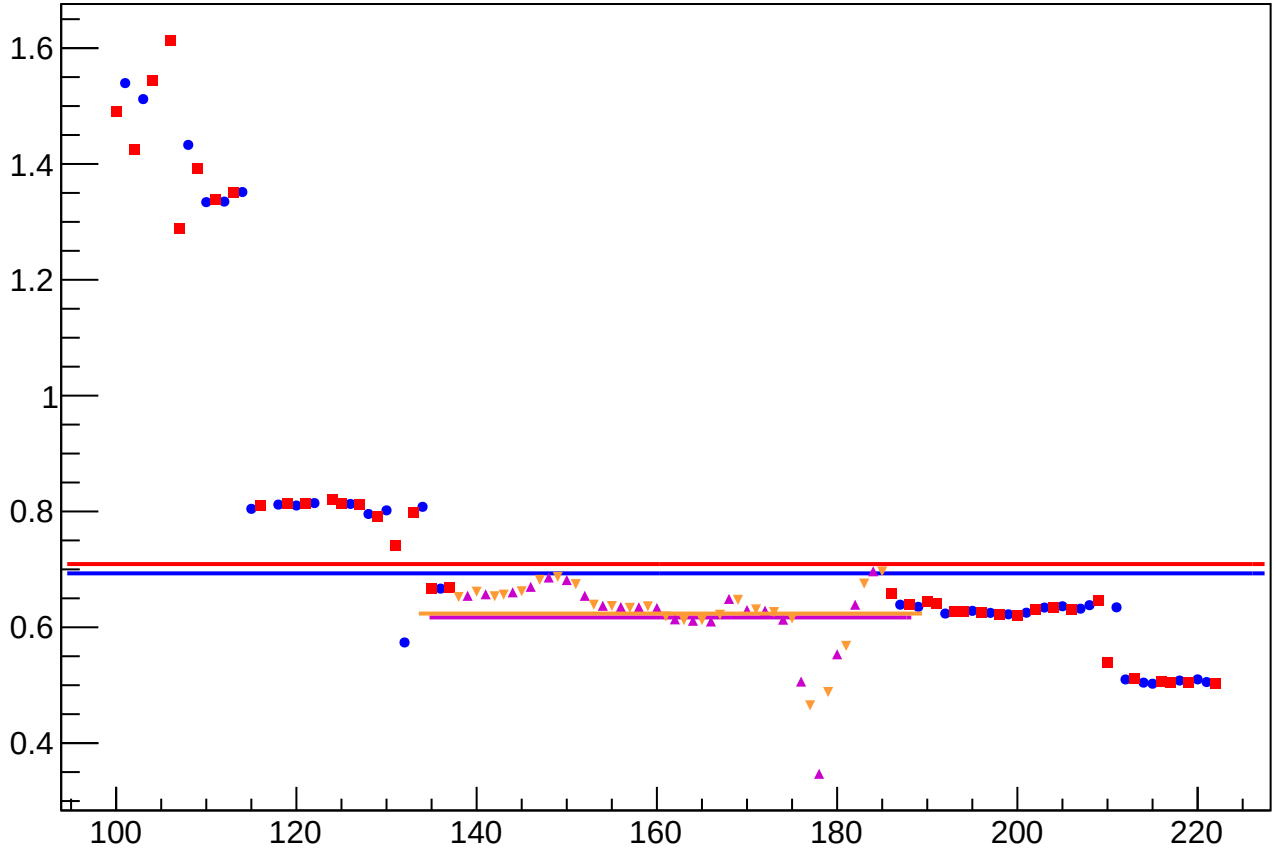
Right: 0.032+/-0.000 χ^2/NDF: 18647159.9/71

In: 0.022+/-0.000 χ^2/NDF:14070671.0/56

Out: 0.022+/-0.000 χ^2/NDF:14291826.9/62

All: 0.022+/-0.000 χ^2/NDF: 28363495.7/119

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: 0.709+/-0.000 χ^2/NDF: 5017146844.1/37

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

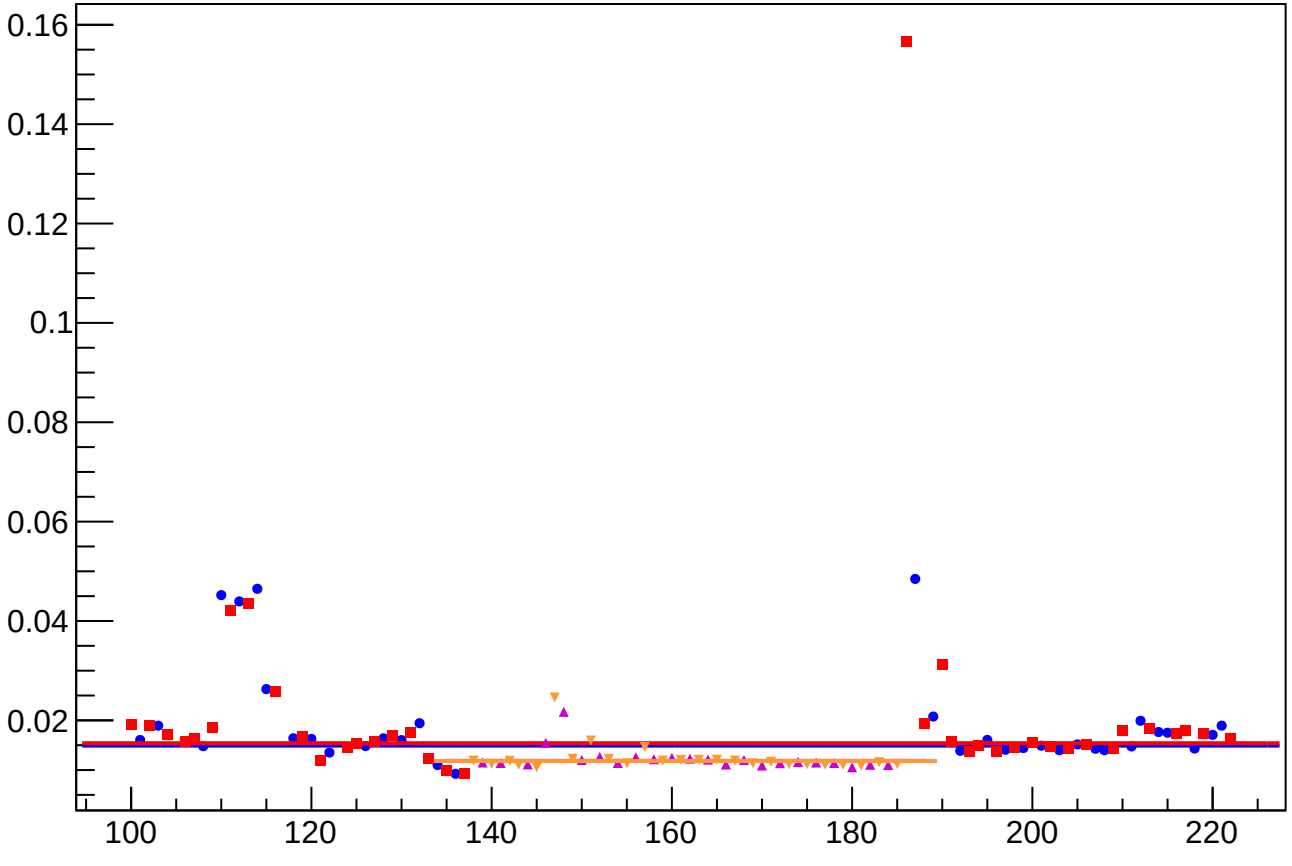
Right: 0.701+/-0.000 χ^2/NDF: 9681657172.9/71

In: 0.649+/-0.000 χ^2/NDF:5600444384.5/56

Out: 0.657+/-0.000 χ^2/NDF:5794243561.0/62

All: 0.653+/-0.000 χ^2/NDF: 11402108554.5/1

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: 2581059.3/37

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

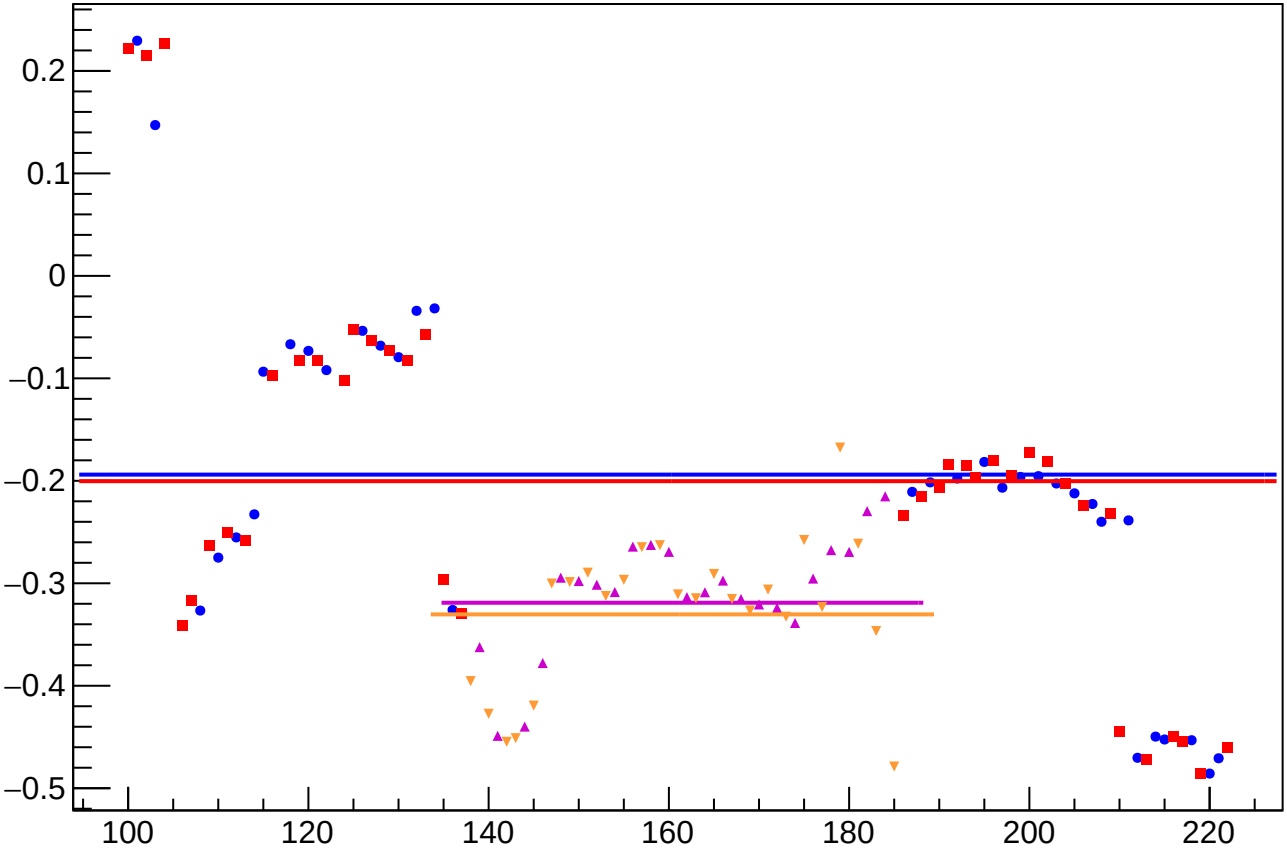
Right: 0.015+/-0.000 χ^2/NDF: 4900351.9/71

In: 0.013+/-0.000 χ^2/NDF:3791770.4/56

Out: 0.013+/-0.000 χ^2/NDF:4589186.1/62

All: 0.013+/-0.000 χ^2/NDF: 8382416.9/119

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: -0.200+/-0.000 χ^2/NDF: 359442553.5/37

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

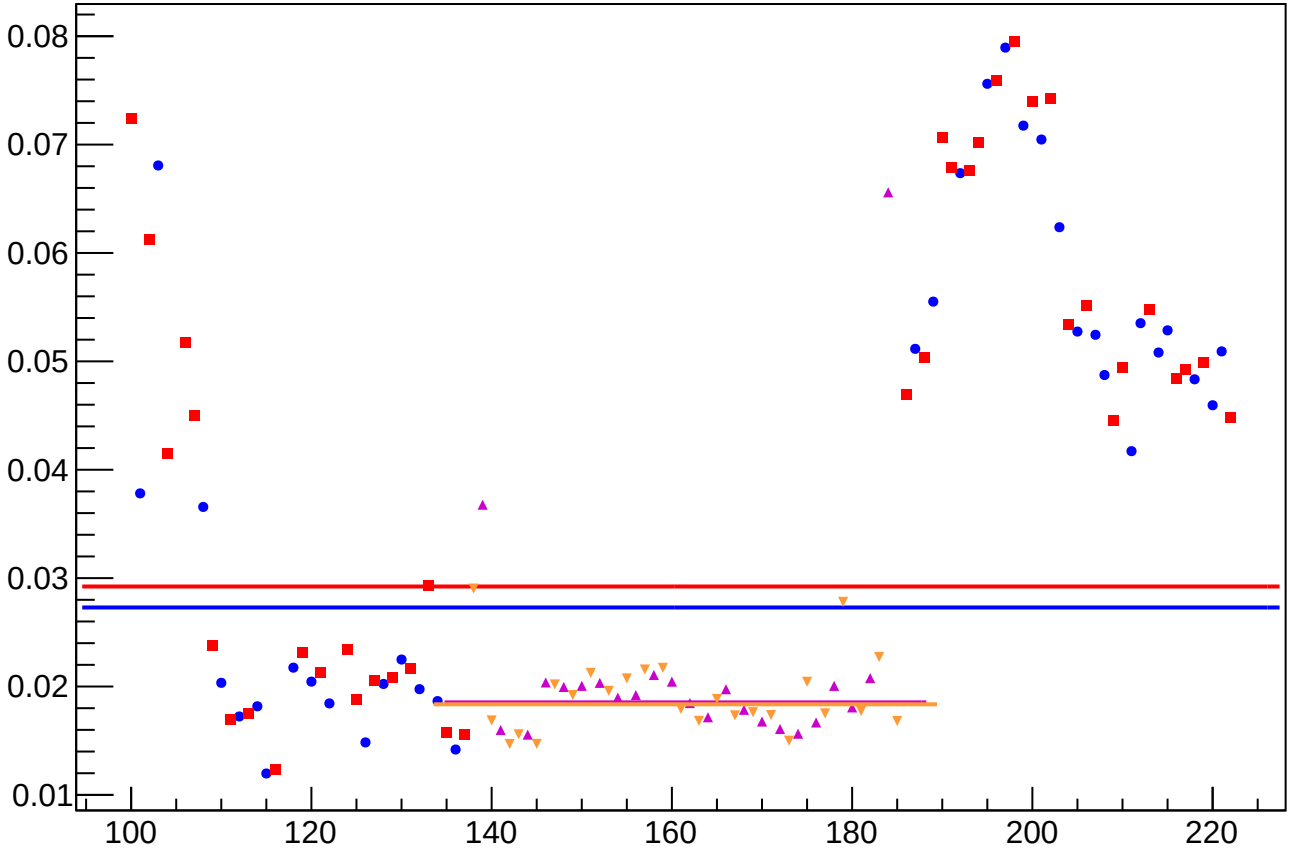
Right: -0.197+/-0.000 χ^2/NDF: 815523328.4/71

In: -0.279+/-0.000 χ^2/NDF:796992851.9/56

Out: -0.294+/-0.000 χ^2/NDF:759806385.6/62

All: -0.287+/-0.000 χ^2/NDF: 1563390516.5/1

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: 10752889.1/37

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

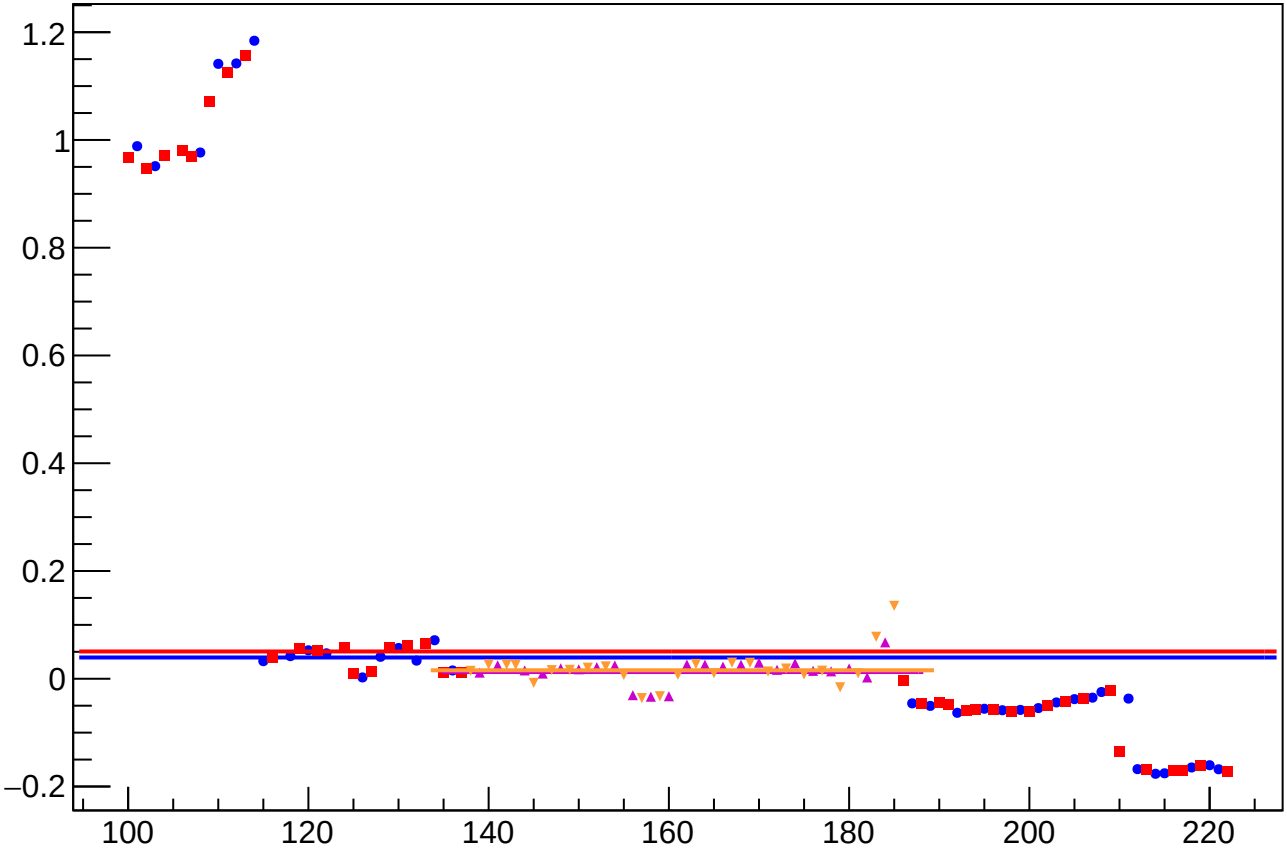
Right: 0.028+/-0.000 χ^2/NDF: 22062839.5/71

In: 0.021+/-0.000 χ^2/NDF:14239548.6/56

Out: 0.021+/-0.000 χ^2/NDF:14531566.5/62

All: 0.021+/-0.000 χ^2/NDF: 28771770.9/119

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: 0.051+/-0.000 χ^2/NDF: 10189312668.9/37

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

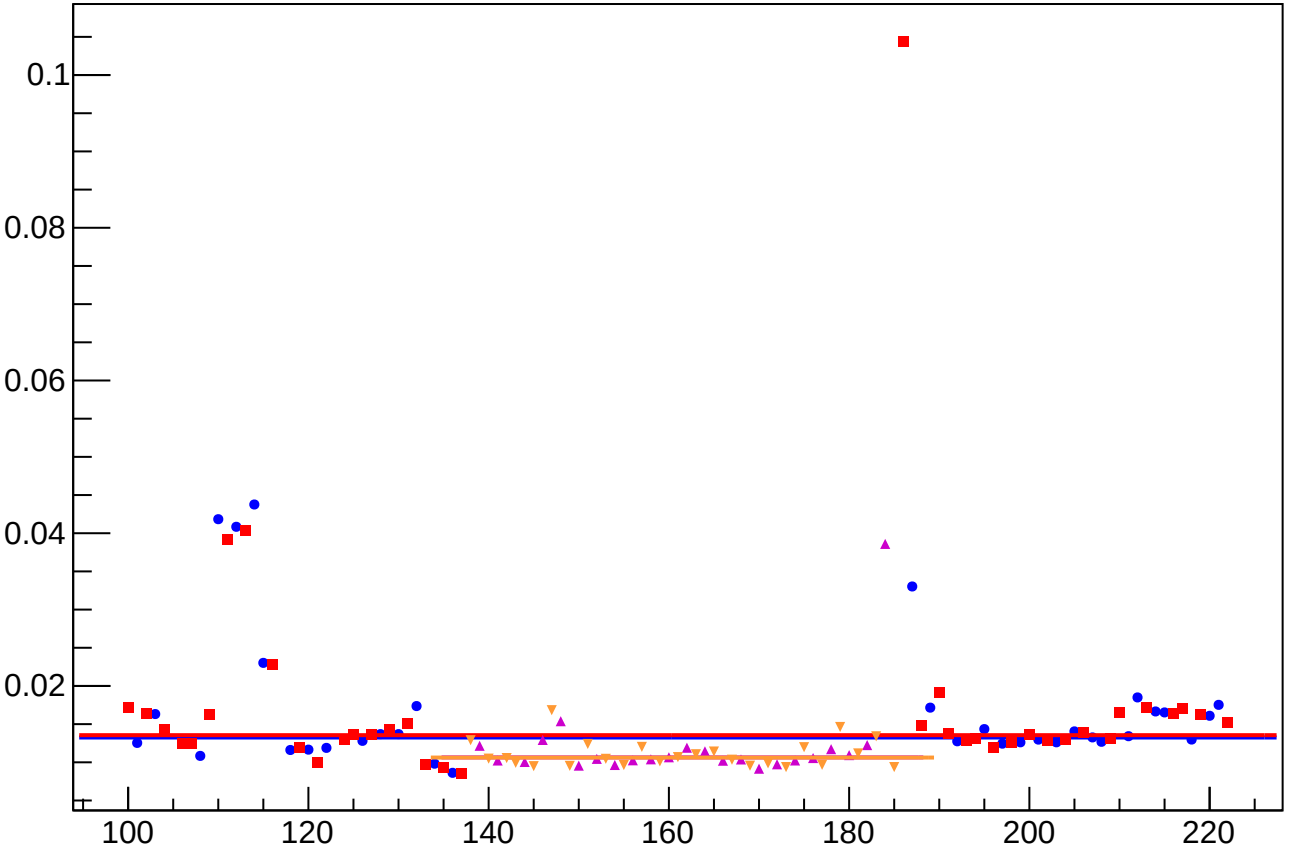
Right: 0.045+/-0.000 χ^2/NDF: 19687541571.8/71

In: 0.024+/-0.000 χ^2/NDF:9596910657.8/56

Out: 0.030+/-0.000 χ^2/NDF:10372307201.2/62

All: 0.027+/-0.000 χ^2/NDF: 19973809023.6/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2270196.0/33

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2492571.6/37

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

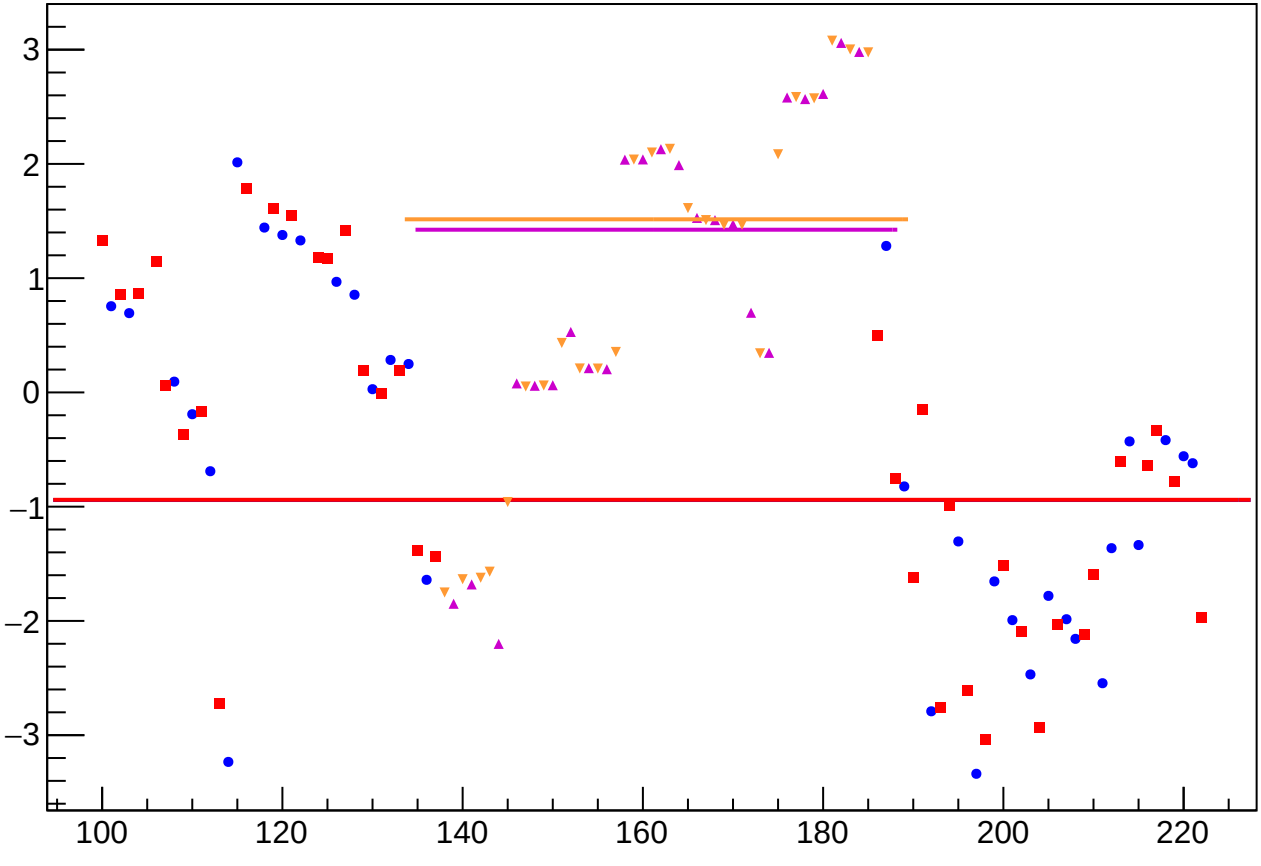
Right: 0.013+/-0.000 χ^2/NDF: 4773138.6/71

In: 0.012+/-0.000 χ^2/NDF:3715828.9/56

Out: 0.012+/-0.000 χ^2/NDF:4221075.6/62

All: 0.012+/-0.000 χ^2/NDF: 7937761.6/119

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: -0.940+/-0.000 χ^2/NDF: 10196632776.3/37

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

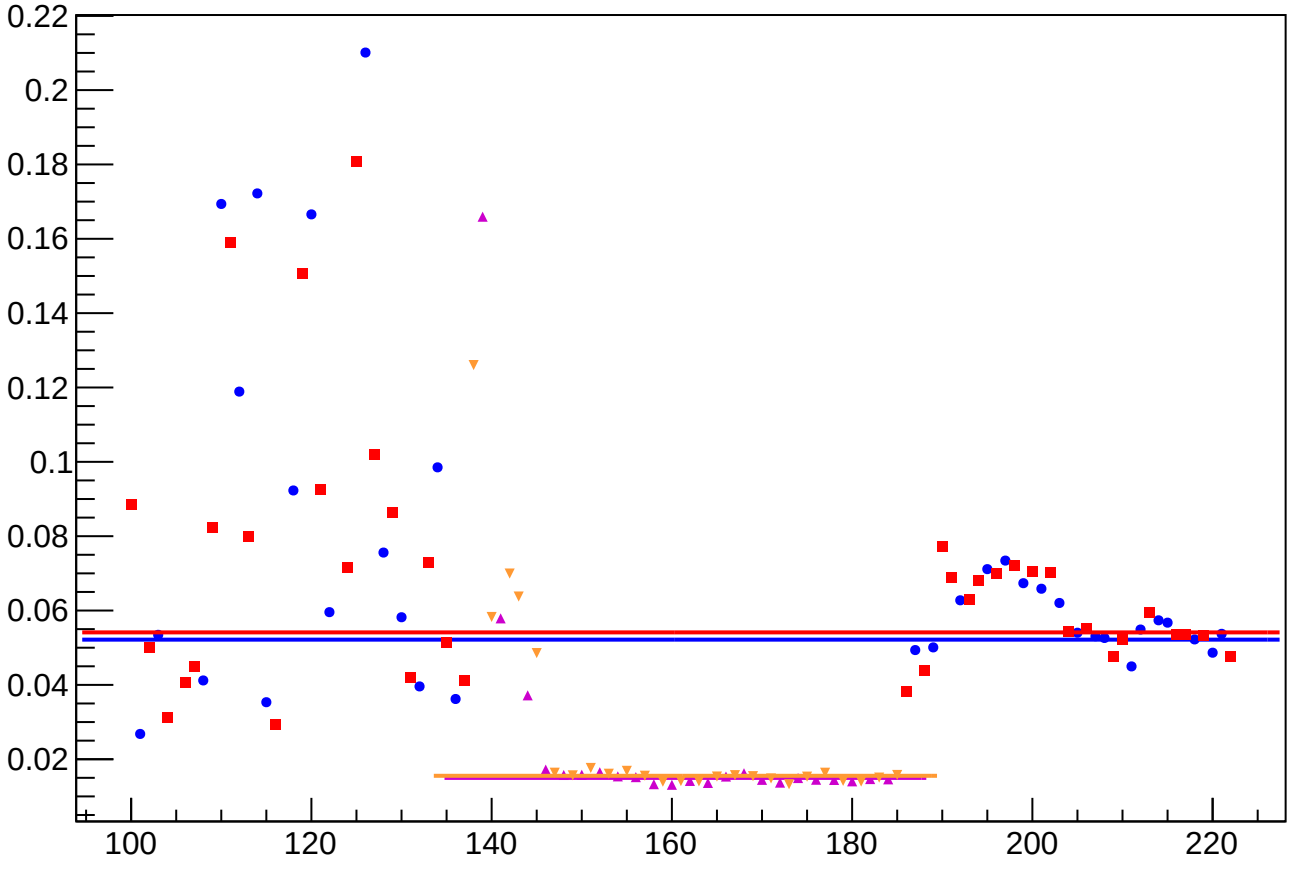
Right: -0.941+/-0.000 χ^2/NDF: 20104624189.2/71

In: 1.202+/-0.000 χ^2/NDF:110501384610.4/56

Out: 1.288+/-0.000 χ^2/NDF:111780860348.5/62

All: 1.245+/-0.000 χ^2/NDF: 222529501926.4

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3632851.2/33

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.054+/-0.000 χ^2/NDF: 3230017.9/37

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

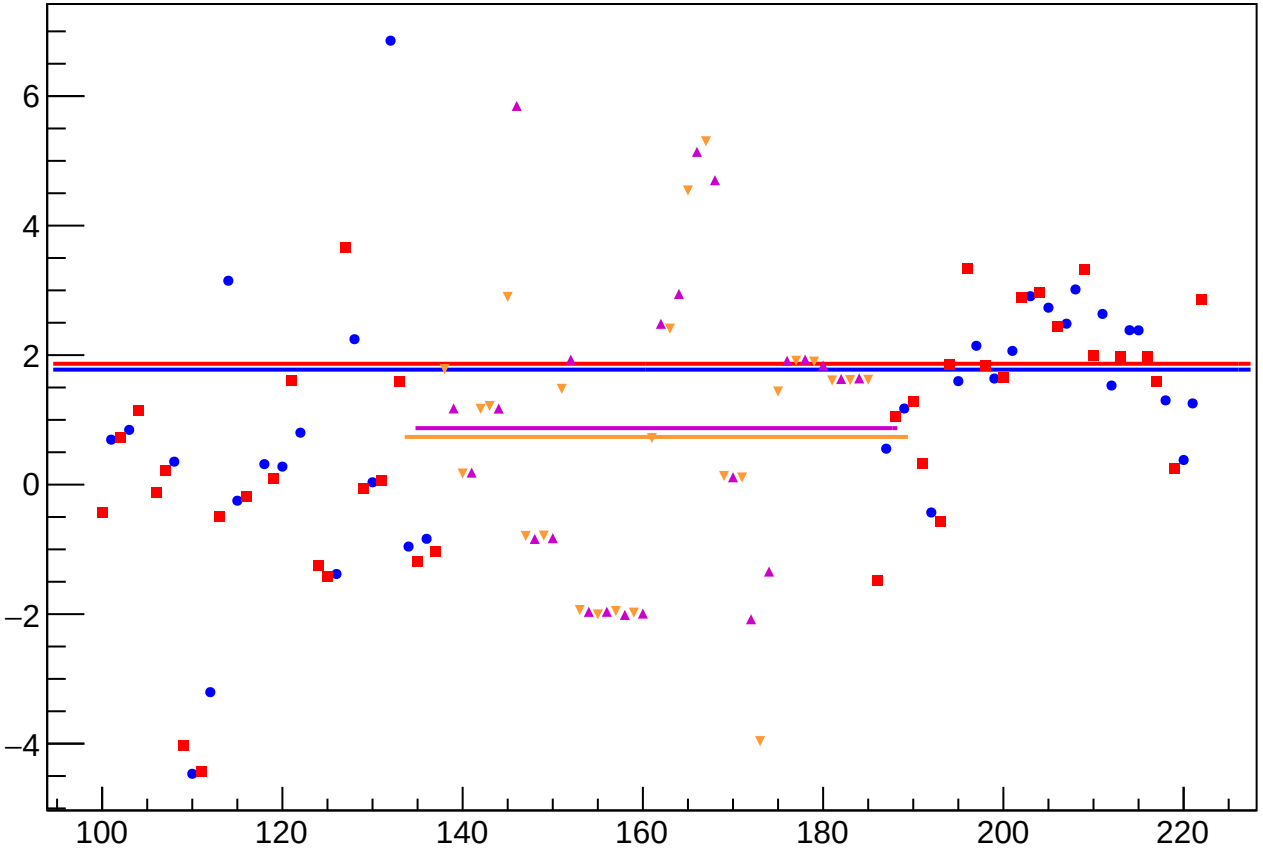
Right: 0.053+/-0.000 χ^2/NDF: 6886856.9/71

In: 0.018+/-0.000 χ^2/NDF:21904864.0/56

Out: 0.019+/-0.000 χ^2/NDF:22900903.0/62

All: 0.019+/-0.000 χ^2/NDF: 44834861.1/119

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: 1.866+/-0.000 χ^2/NDF: 53389584336.9/37

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

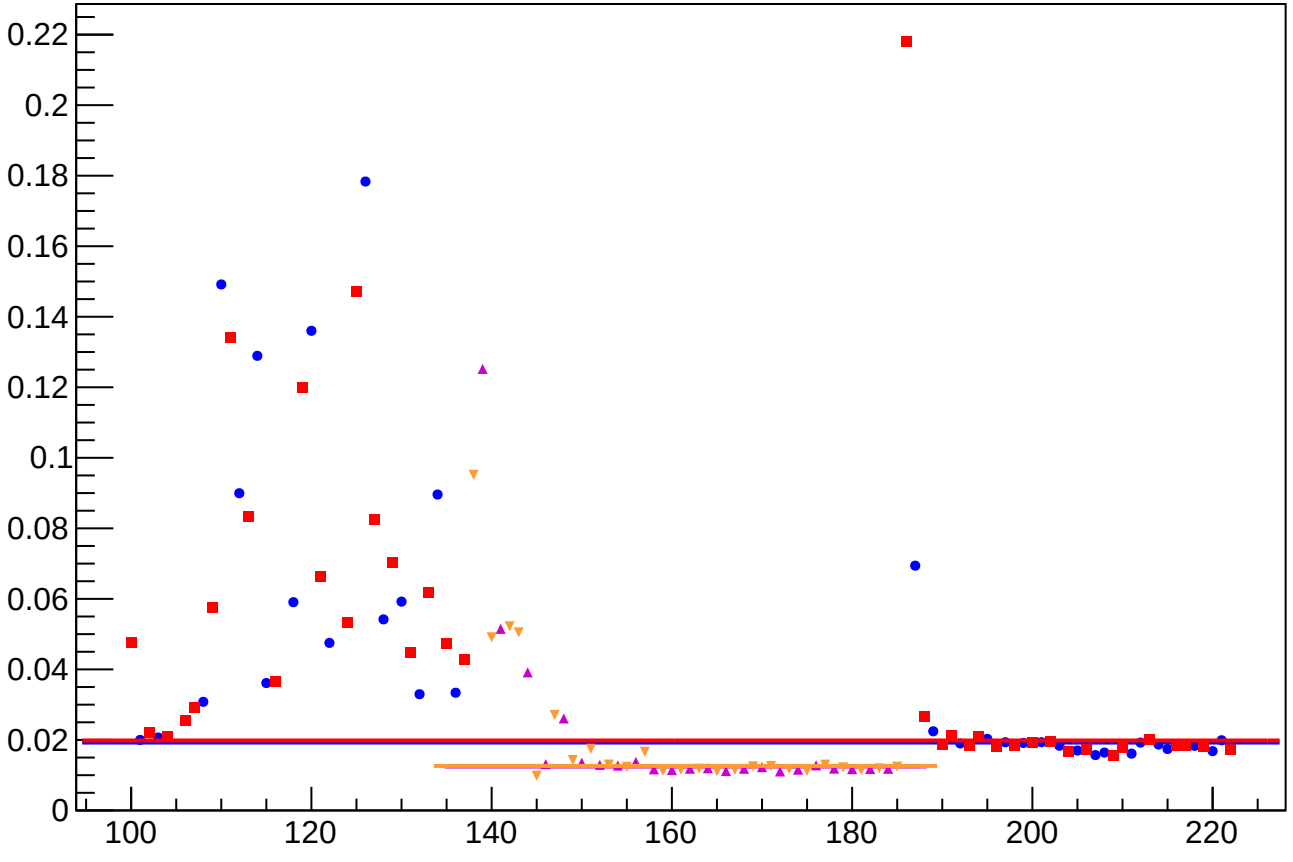
Right: 1.820+/-0.000 χ^2/NDF: 102774079001.4/71

In: 1.146+/-0.000 χ^2/NDF:693844651234.9/56

Out: 1.066+/-0.000 χ^2/NDF:626342188482.4/62

All: 1.106+/-0.000 χ^2/NDF: 1320630561499.

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: 5612902.2/37

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

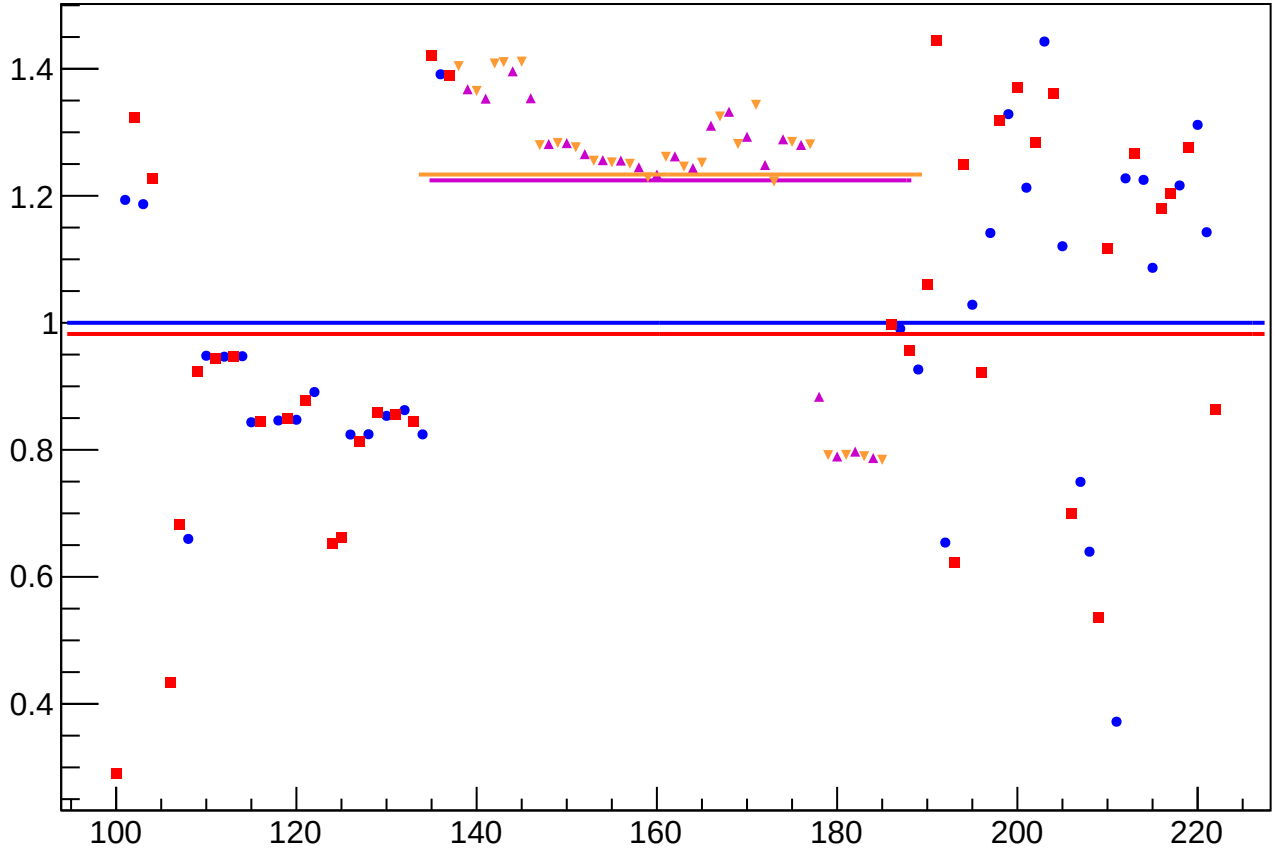
Right: 0.020+/-0.000 χ^2/NDF: 10170367.1/71

In: 0.015+/-0.000 χ^2/NDF:10072414.4/56

Out: 0.015+/-0.000 χ^2/NDF:11825509.8/62

All: 0.015+/-0.000 χ^2/NDF: 21904565.6/119

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF: 2536490669.0/33

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.982+/-0.000 χ^2/NDF: 2727275493.0/37

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

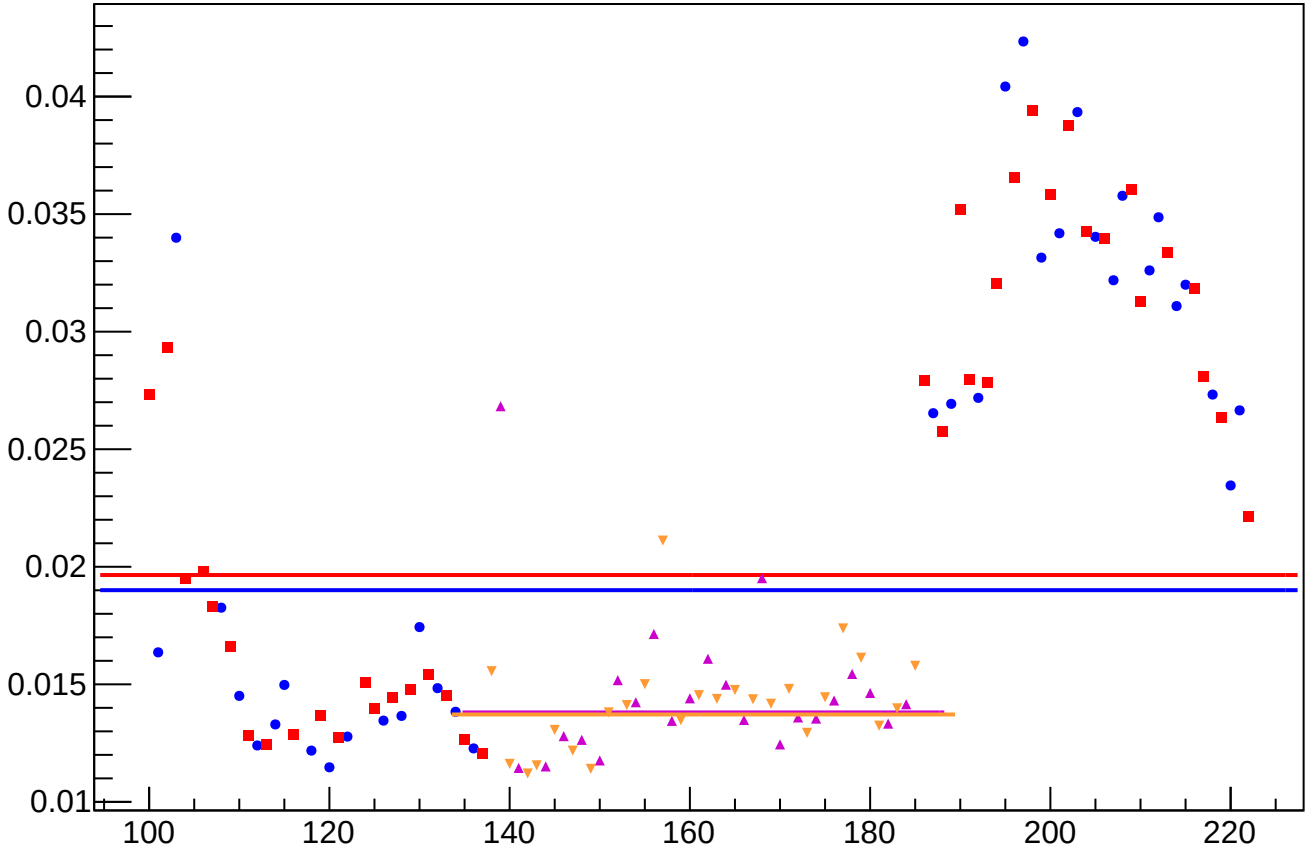
Right: 0.991+/-0.000 χ^2/NDF: 5270868527.9/71

In: 1.145+/-0.000 χ^2/NDF:6702876213.4/56

Out: 1.150+/-0.000 χ^2/NDF:7671974464.3/62

All: 1.147+/-0.000 χ^2/NDF: 14376142261.7/1

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: 6236382.9/37

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

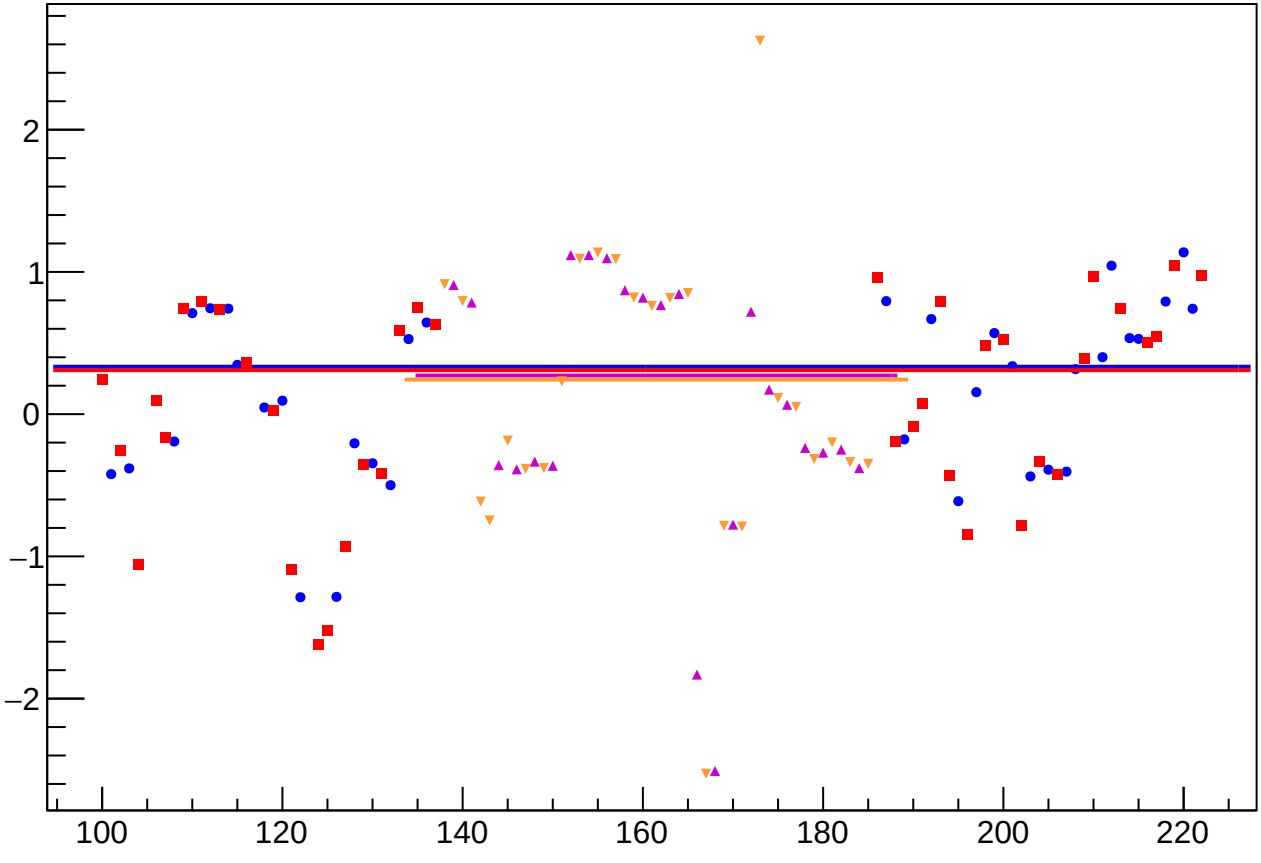
Right: 0.019+/-0.000 χ^2/NDF: 13171822.6/71

In: 0.016+/-0.000 χ^2/NDF:9413511.6/56

Out: 0.016+/-0.000 χ^2/NDF:8908938.4/62

All: 0.016+/-0.000 χ^2/NDF: 18322957.2/119

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: 0.310+/-0.000 χ^2/NDF: 62018438678.6/37

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

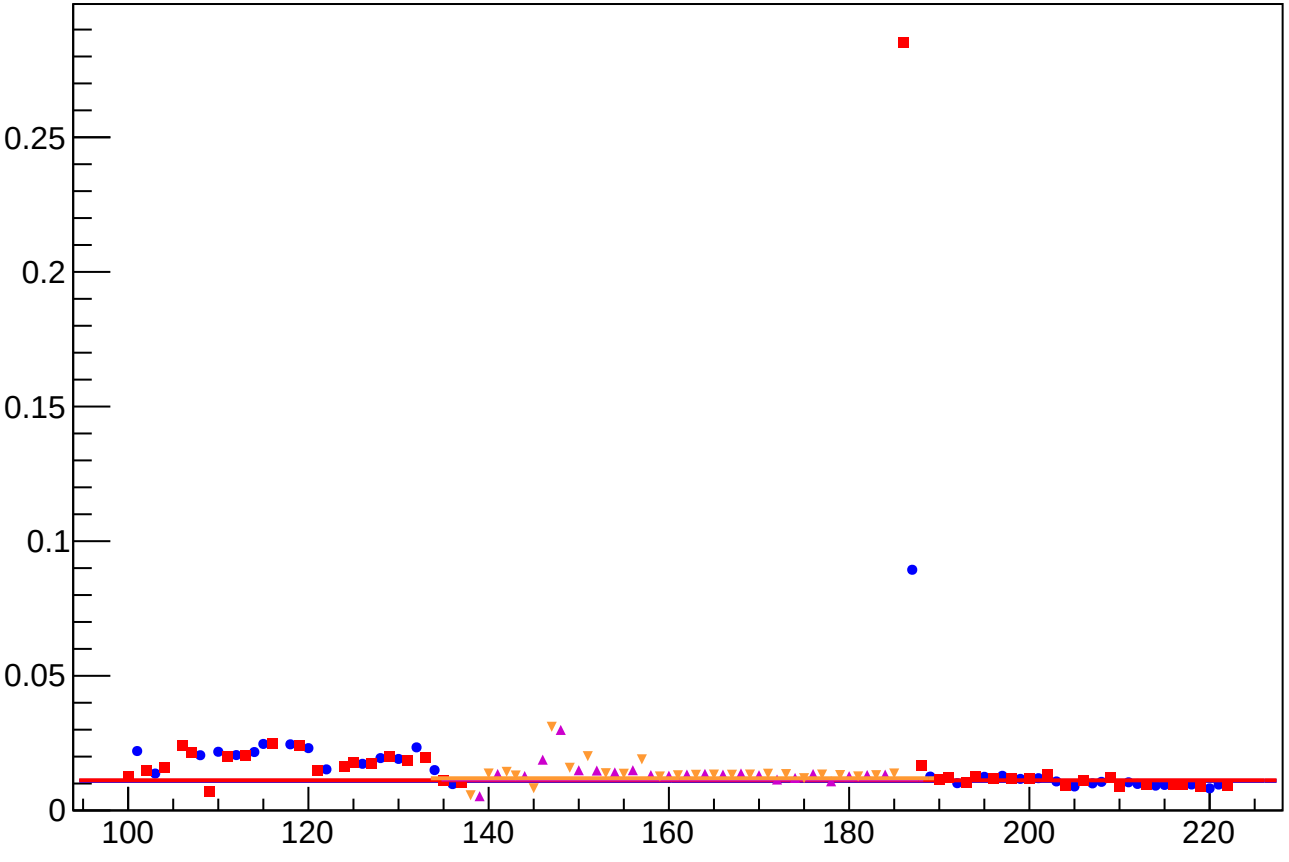
Right: 0.322+/-0.000 χ^2/NDF: 111724658561.3/71

In: 0.306+/-0.000 χ^2/NDF:140419996517.8/56

Out: 0.280+/-0.000 χ^2/NDF:167896677234.9/62

All: 0.293+/-0.000 χ^2/NDF: 308409002754.1

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: 3597586.3/37

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

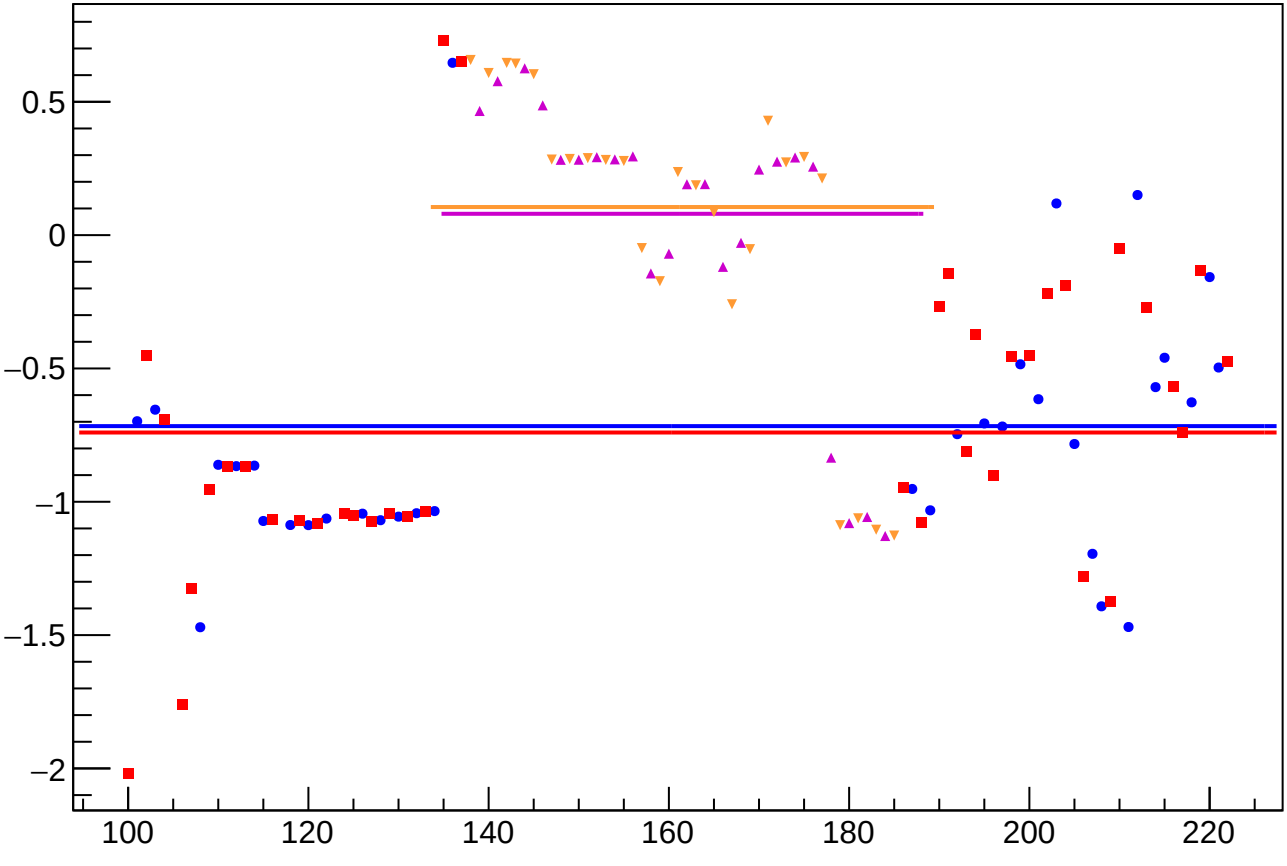
Right: 0.011+/-0.000 χ^2/NDF: 6763097.5/71

In: 0.011+/-0.000 χ^2/NDF:6863930.0/56

Out: 0.012+/-0.000 χ^2/NDF:6936981.2/62

All: 0.011+/-0.000 χ^2/NDF: 13830557.3/119

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: -0.740+/-0.000 χ^2/NDF: 2330641705.0/37

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

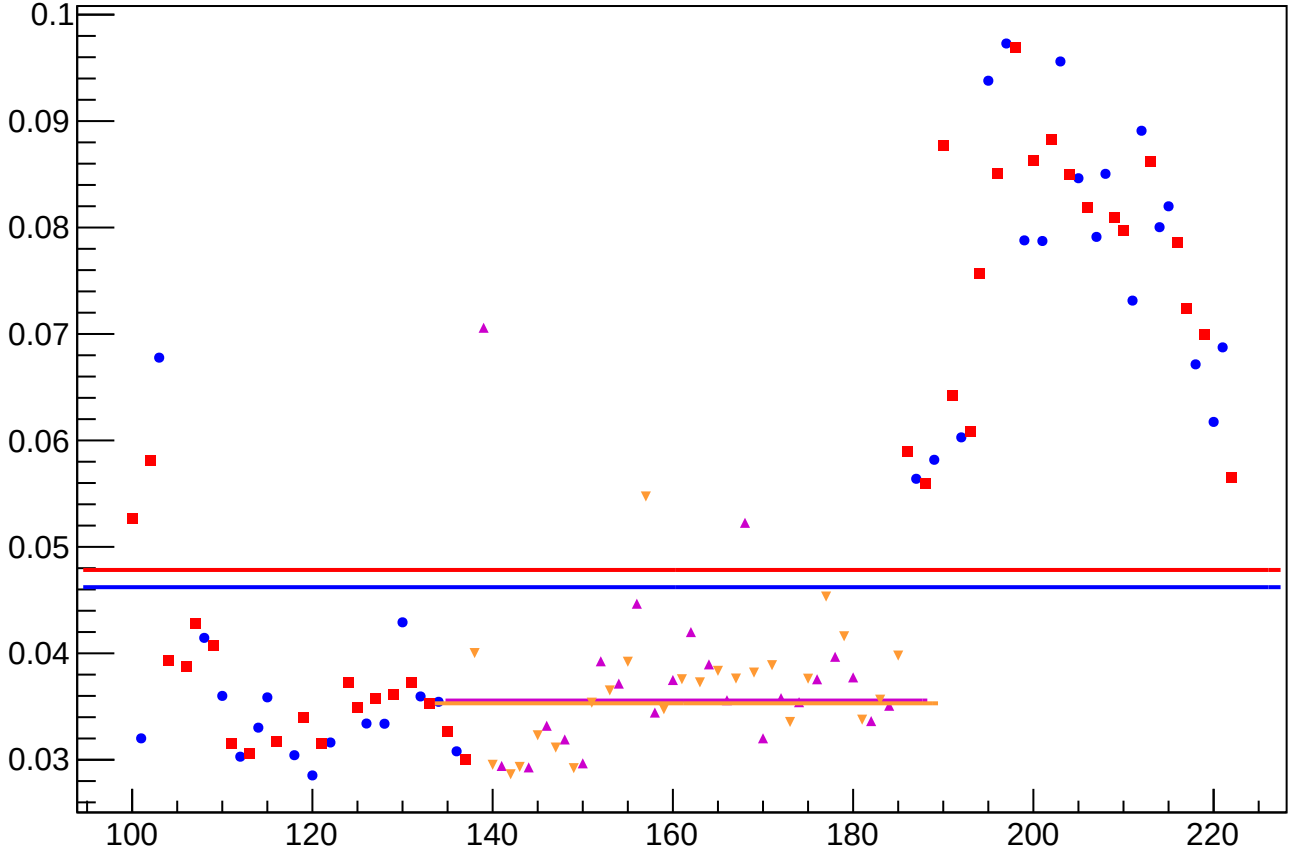
Right: -0.728+/-0.000 χ^2/NDF: 4823547275.3/71

In: -0.228+/-0.000 χ^2/NDF:8877443041.0/56

Out: -0.203+/-0.000 χ^2/NDF:9640382055.6/62

All: -0.215+/-0.000 χ^2/NDF: 18524049488.0/

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: 5913746.1/37

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

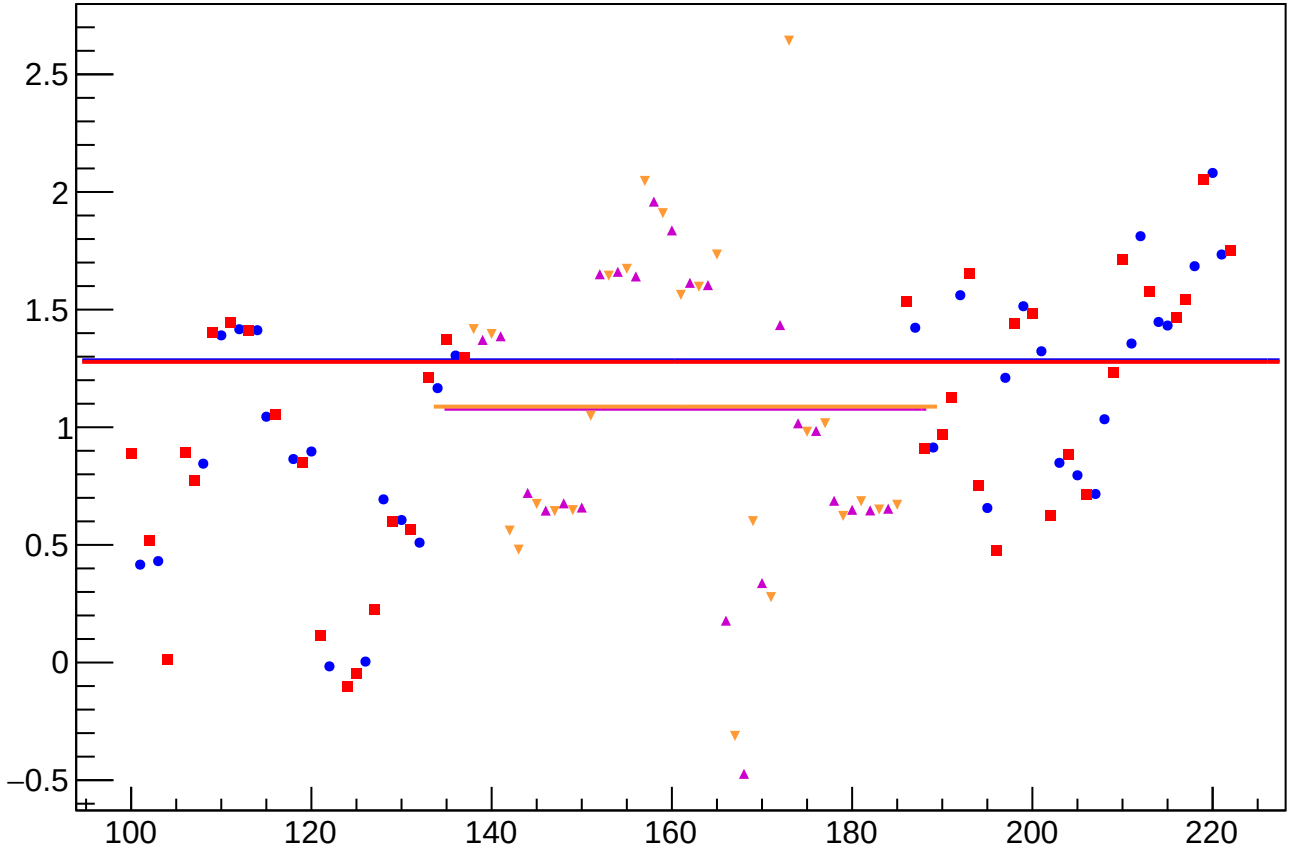
Right: 0.047+/-0.000 χ^2/NDF: 12721898.0/71

In: 0.040+/-0.000 χ^2/NDF:8863416.1/56

Out: 0.040+/-0.000 χ^2/NDF:8072806.8/62

All: 0.040+/-0.000 χ^2/NDF: 16937049.4/119

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: 1.278+/-0.000 χ^2/NDF: 91563822080.0/37

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

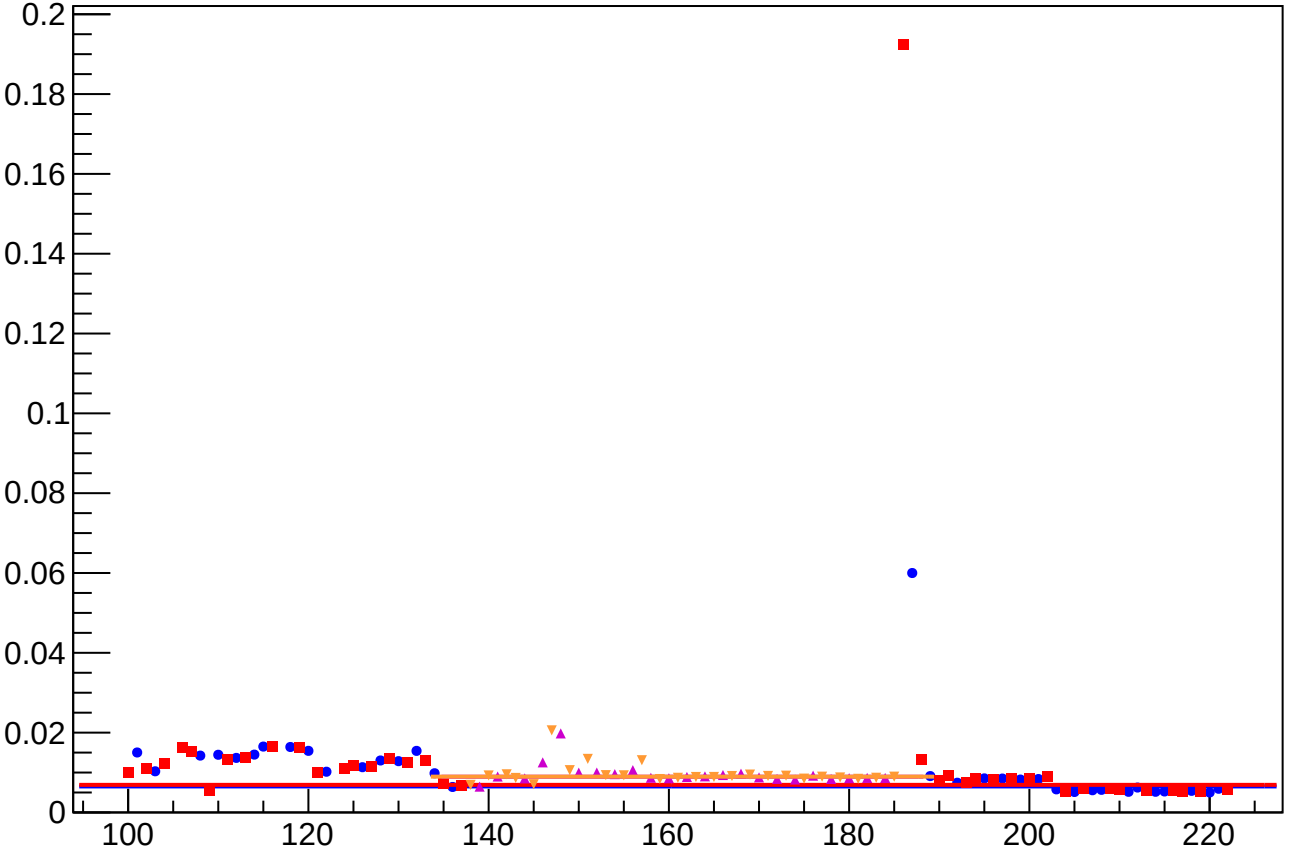
Right: 1.282+/-0.000 χ^2/NDF: 180502192300.9/71

In: 1.217+/-0.000 χ^2/NDF:169031752565.2/56

Out: 1.208+/-0.000 χ^2/NDF:190536164402.8/62

All: 1.212+/-0.000 χ^2/NDF: 359593582130.6

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: 4839101.6/37

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

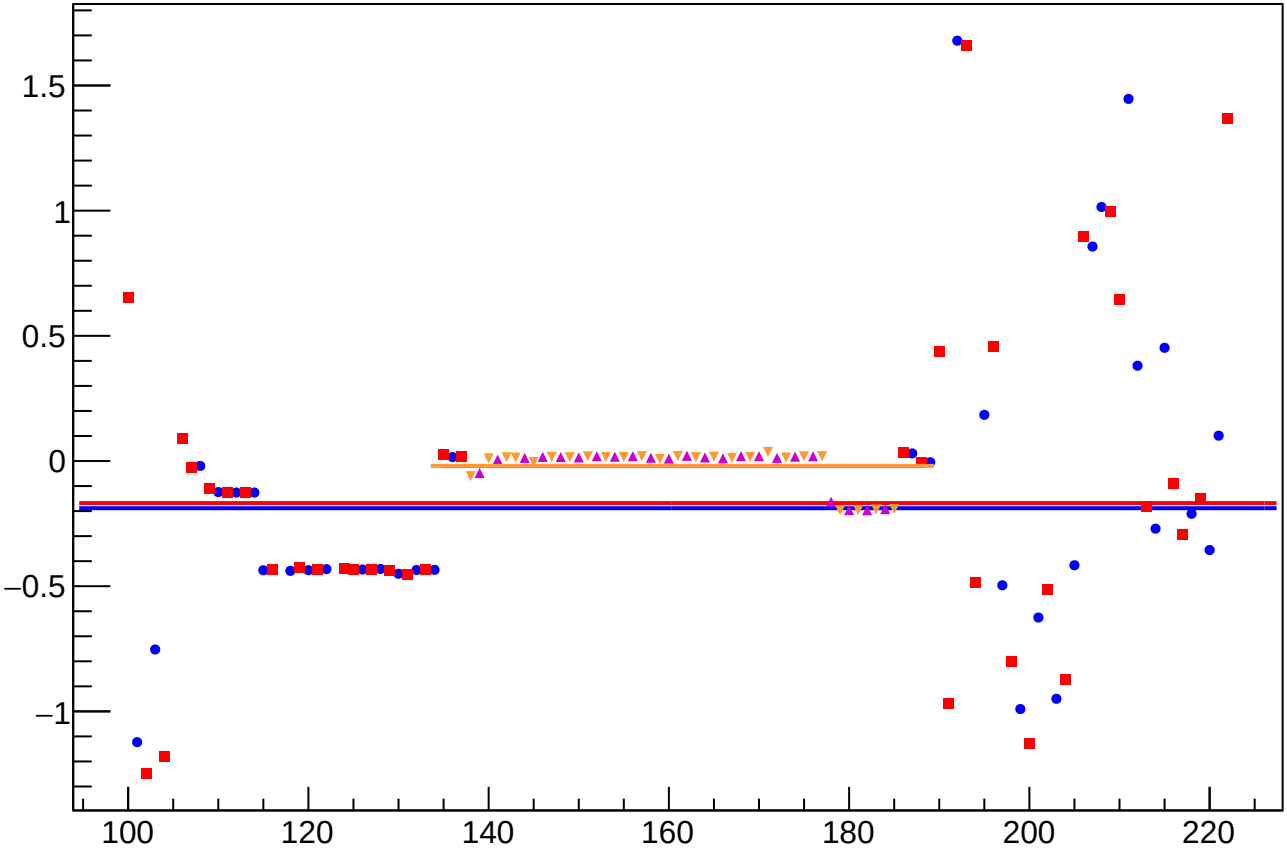
Right: 0.007+/-0.000 χ^2/NDF: 9371414.9/71

In: 0.007+/-0.000 χ^2/NDF:7111633.0/56

Out: 0.008+/-0.000 χ^2/NDF:7182776.0/62

All: 0.007+/-0.000 χ^2/NDF: 14373765.3/119

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: -0.168+/-0.000 χ^2/NDF: 5816669823.1/37

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

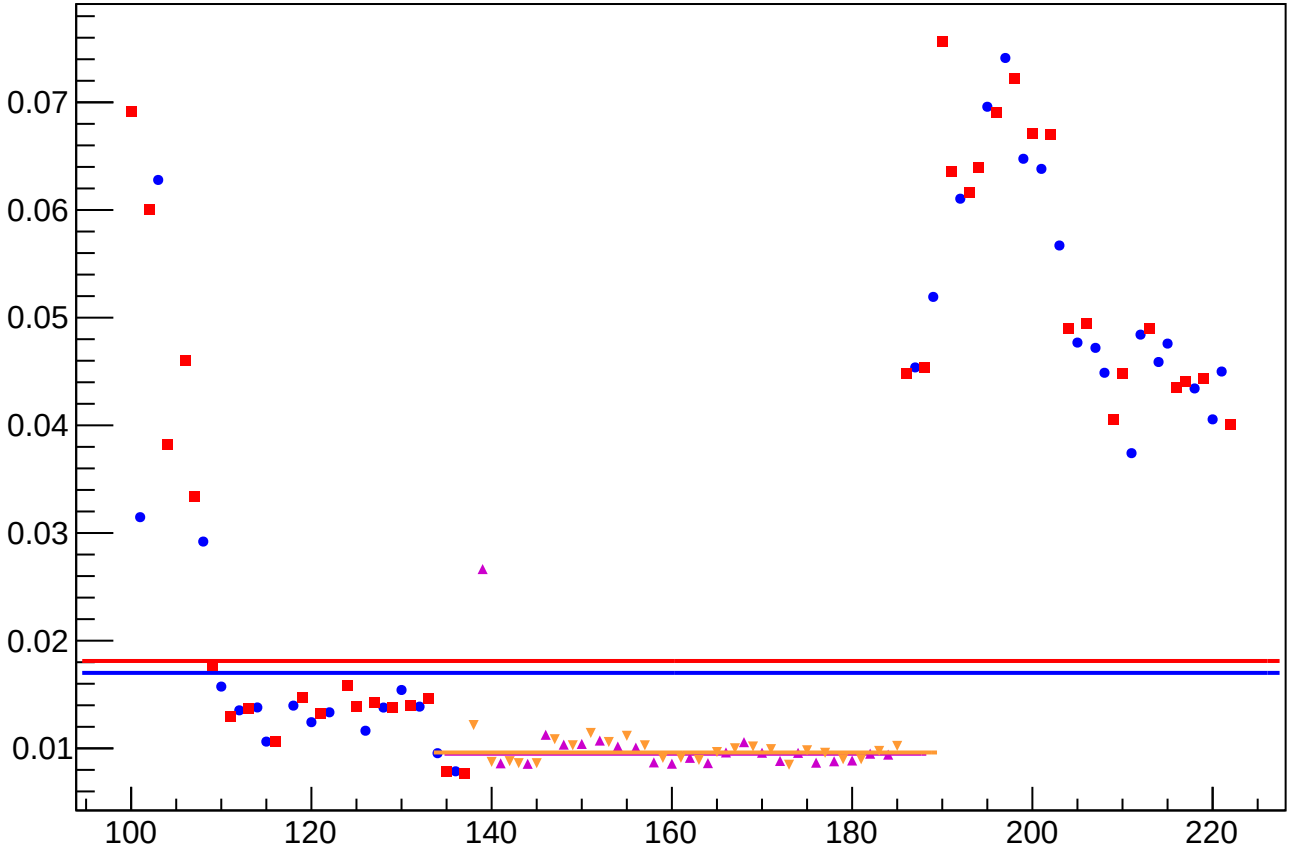
Right: -0.179+/-0.000 χ^2/NDF: 12094081307.3/71

In: -0.053+/-0.000 χ^2/NDF:8194927614.1/56

Out: -0.045+/-0.000 χ^2/NDF:7557627086.3/62

All: -0.049+/-0.000 χ^2/NDF: 15759347078.2/

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: 16306501.1/37

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

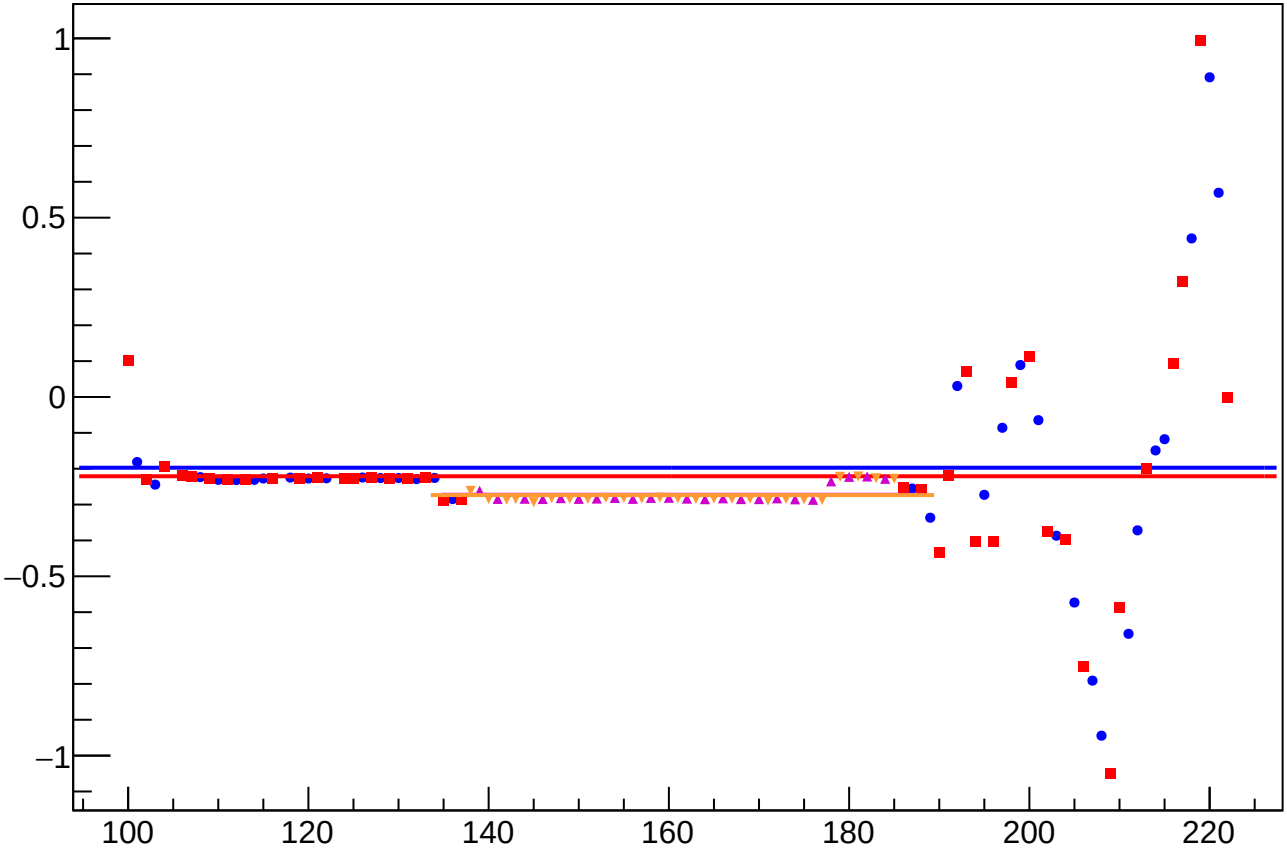
Right: 0.018+/-0.000 χ^2/NDF: 32761022.1/71

In: 0.011+/-0.000 χ^2/NDF:21051760.4/56

Out: 0.011+/-0.000 χ^2/NDF:21037684.8/62

All: 0.011+/-0.000 χ^2/NDF: 42092503.2/119

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.197+/-0.000 χ^2/NDF: 63554022851.5/33

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.221+/-0.000 χ^2/NDF: 54776782405.7/37

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

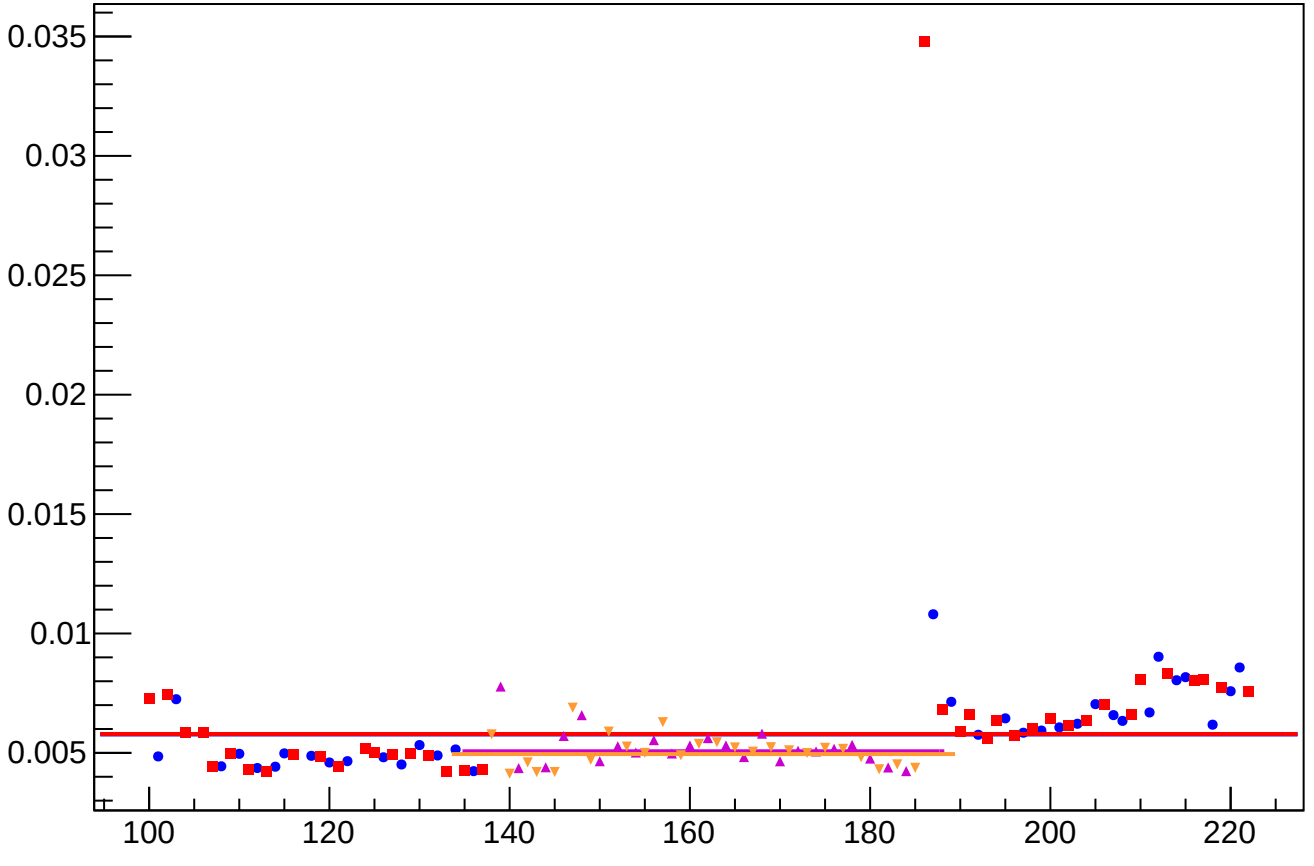
Right: -0.209+/-0.000 χ^2/NDF: 118498516262.4/71

In: -0.237+/-0.000 χ^2/NDF:65669936173.7/56

Out: -0.250+/-0.000 χ^2/NDF:56078883582.4/62

All: -0.244+/-0.000 χ^2/NDF: 121855389360.8

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: 2308414.0/37

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

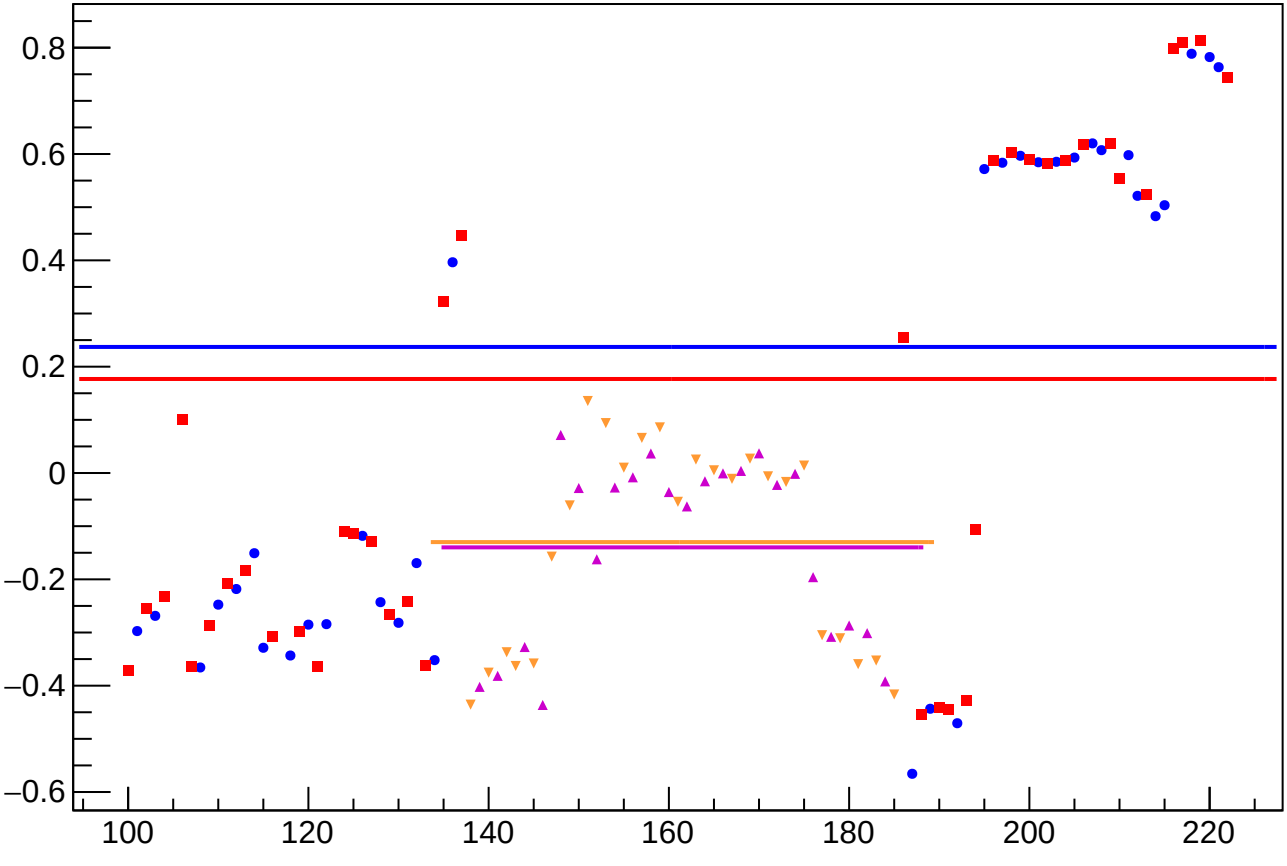
Right: 0.006+/-0.000 χ^2/NDF: 4144510.9/71

In: 0.005+/-0.000 χ^2/NDF:2686721.1/56

Out: 0.005+/-0.000 χ^2/NDF:3303796.4/62

All: 0.005+/-0.000 χ^2/NDF: 5997131.5/119

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: 0.177+/-0.000 χ^2/NDF: 95281504940.7/37

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

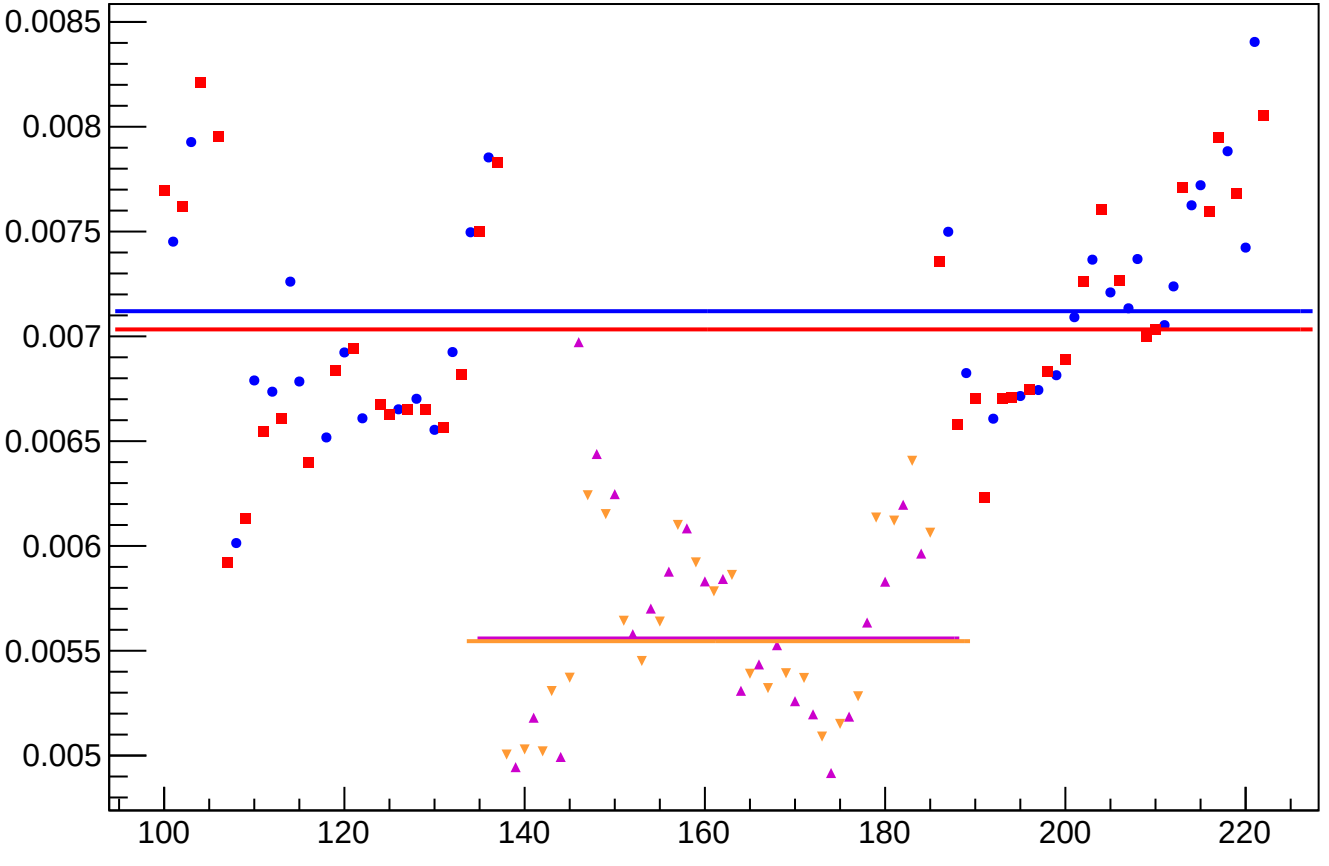
Right: 0.206+/-0.000 χ^2/NDF: 184721209327.7/71

In: 0.023+/-0.000 χ^2/NDF:138164754334.7/56

Out: 0.000+/-0.000 χ^2/NDF:140650541324.4/62

All: 0.012+/-0.000 χ^2/NDF: 279074630207.7

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: 242701.4/37

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

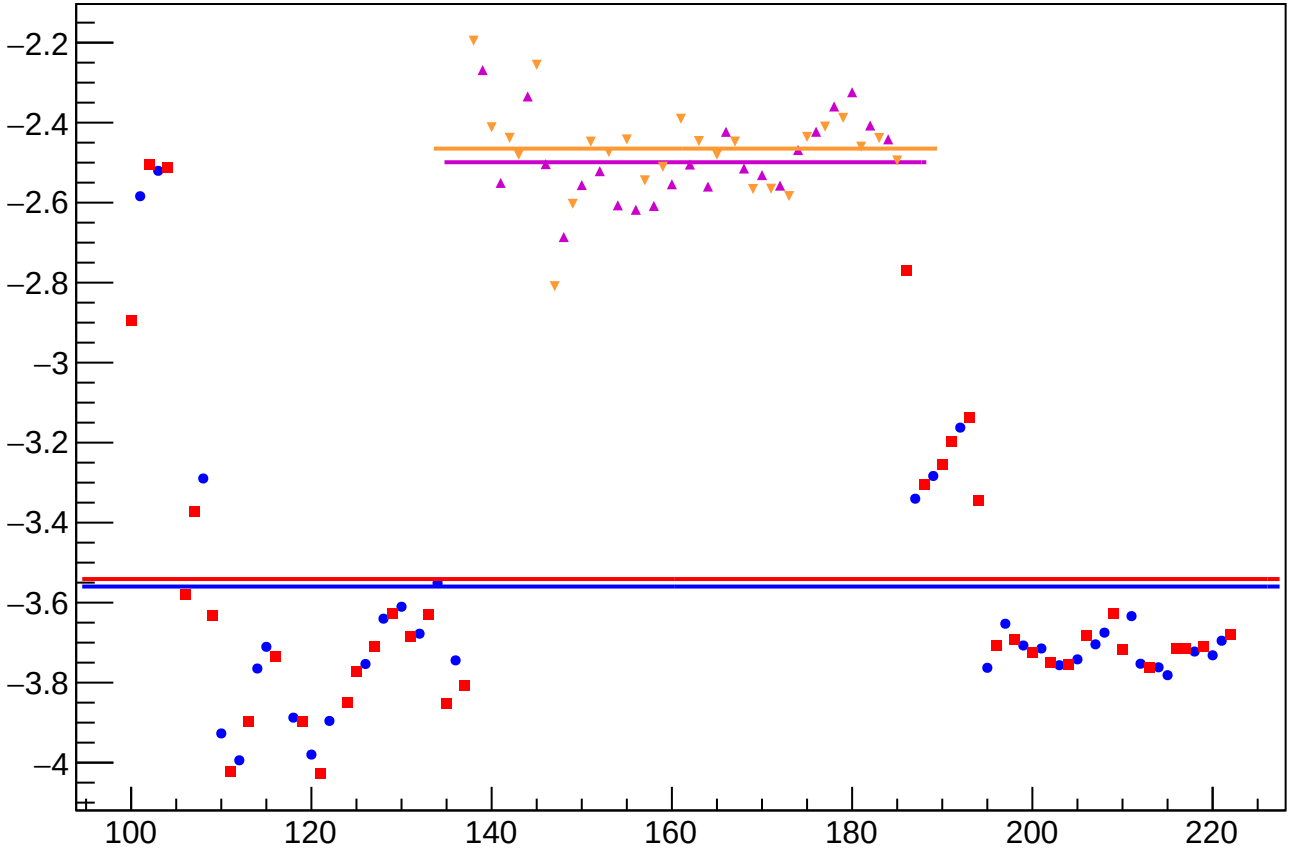
Right: 0.007+/-0.000 χ^2/NDF: 458938.1/71

In: 0.006+/-0.000 χ^2/NDF:1653078.3/56

Out: 0.006+/-0.000 χ^2/NDF:1566860.8/62

All: 0.006+/-0.000 χ^2/NDF: 3223071.7/119

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: -3.541+/-0.000 χ^2/NDF: 35767411639.4/37

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

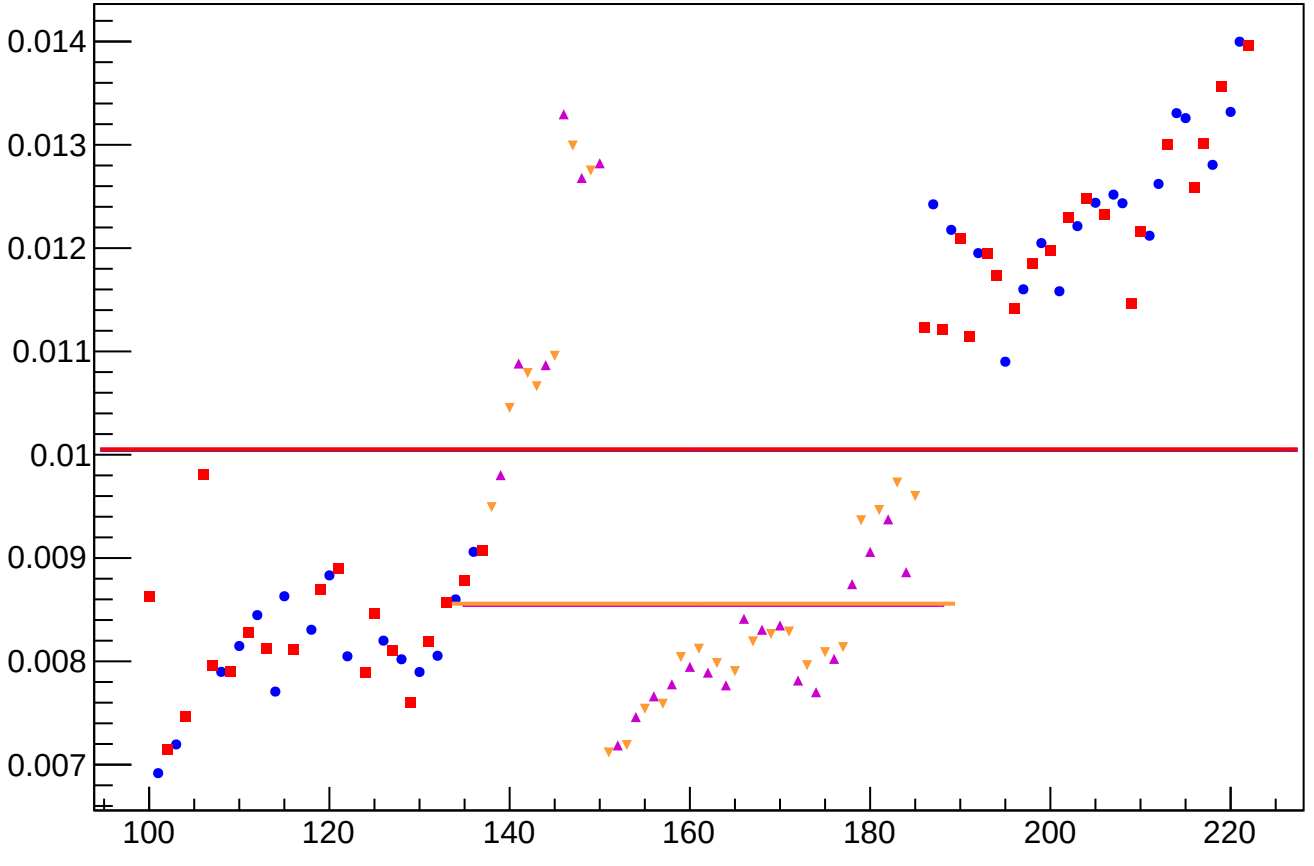
Right: -3.550+/-0.000 χ^2/NDF: 69888341767.0/71

In: -2.993+/-0.000 χ^2/NDF:158936899084.1/56

Out: -2.956+/-0.000 χ^2/NDF:168280529517.9/62

All: -2.974+/-0.000 χ^2/NDF: 327525950483.2

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: 1874214.5/37

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

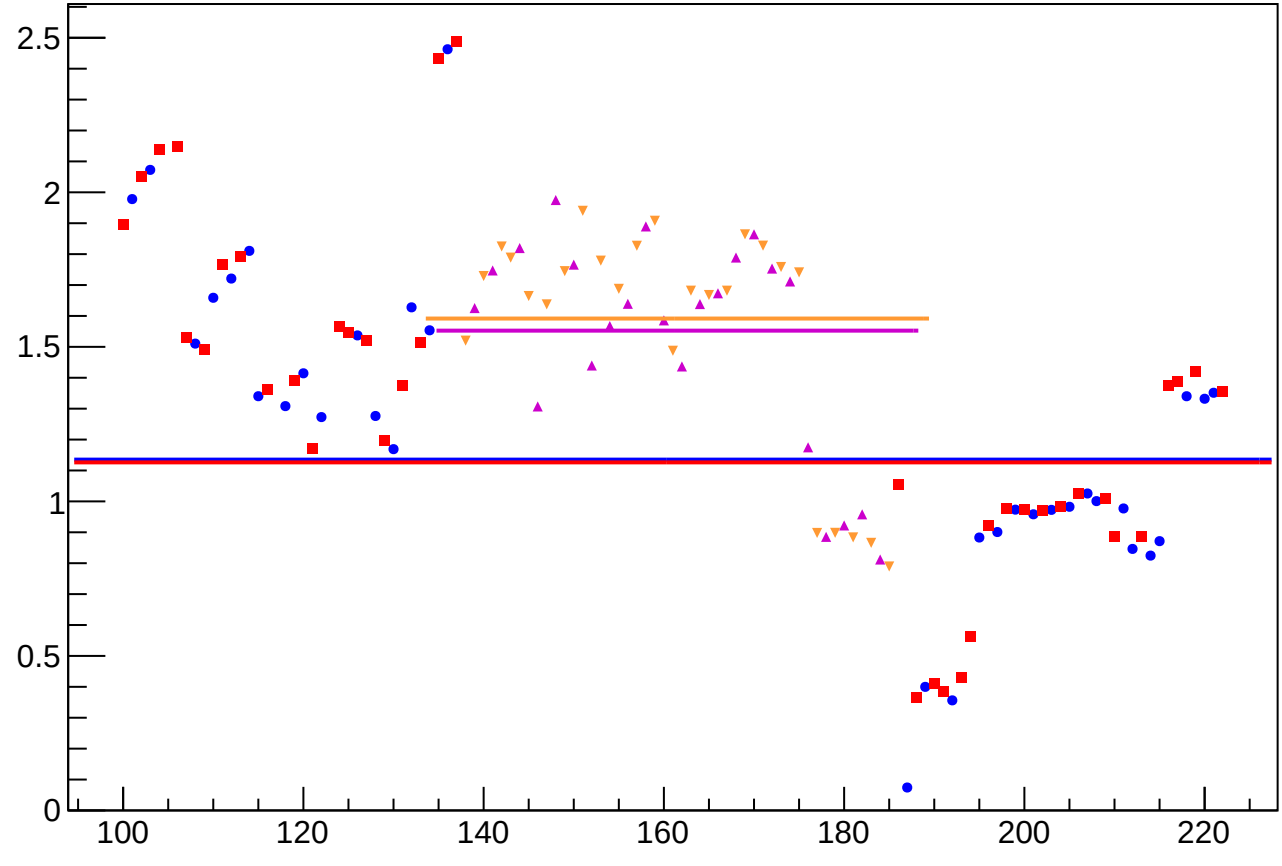
Right: 0.010+/-0.000 χ^2/NDF: 3990521.9/71

In: 0.009+/-0.000 χ^2/NDF:3518337.7/56

Out: 0.009+/-0.000 χ^2/NDF:3200573.0/62

All: 0.009+/-0.000 χ^2/NDF: 6718924.2/119

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: 1.126+/-0.000 χ^2/NDF: 36087036592.1/37

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

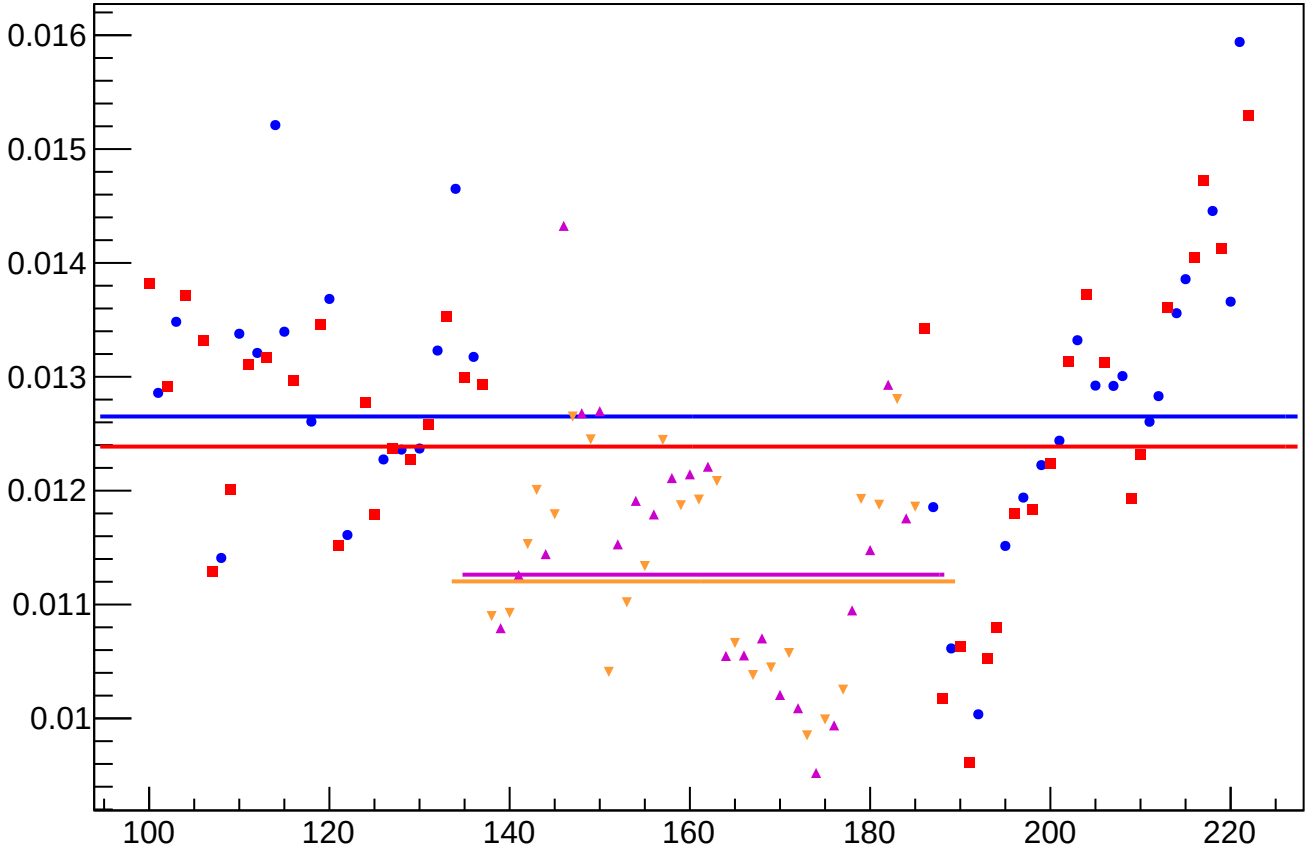
Right: 1.131+/-0.000 χ^2/NDF: 67394117106.8/71

In: 1.346+/-0.000 χ^2/NDF:57111761642.9/56

Out: 1.364+/-0.000 χ^2/NDF:68726456033.7/62

All: 1.356+/-0.000 χ^2/NDF: 125883103392.1

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: 494434.1/37

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

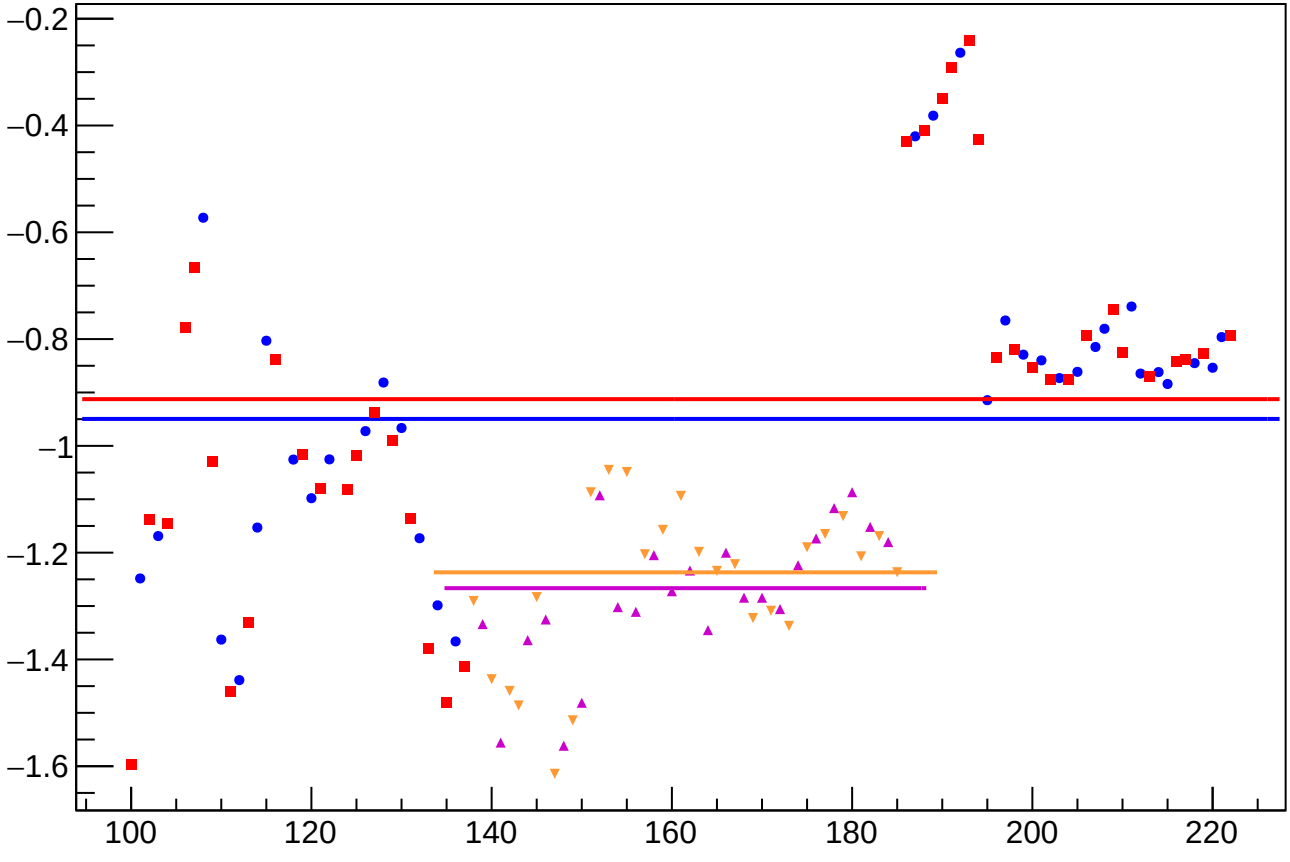
Right: 0.013+/-0.000 χ^2/NDF: 901600.1/71

In: 0.012+/-0.000 χ^2/NDF:969761.4/56

Out: 0.012+/-0.000 χ^2/NDF:919447.5/62

All: 0.012+/-0.000 χ^2/NDF: 1896980.0/119

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.950+/-0.000 χ^2/NDF: 12721598060.5/33

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.912+/-0.000 χ^2/NDF: 17118102928.5/37

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

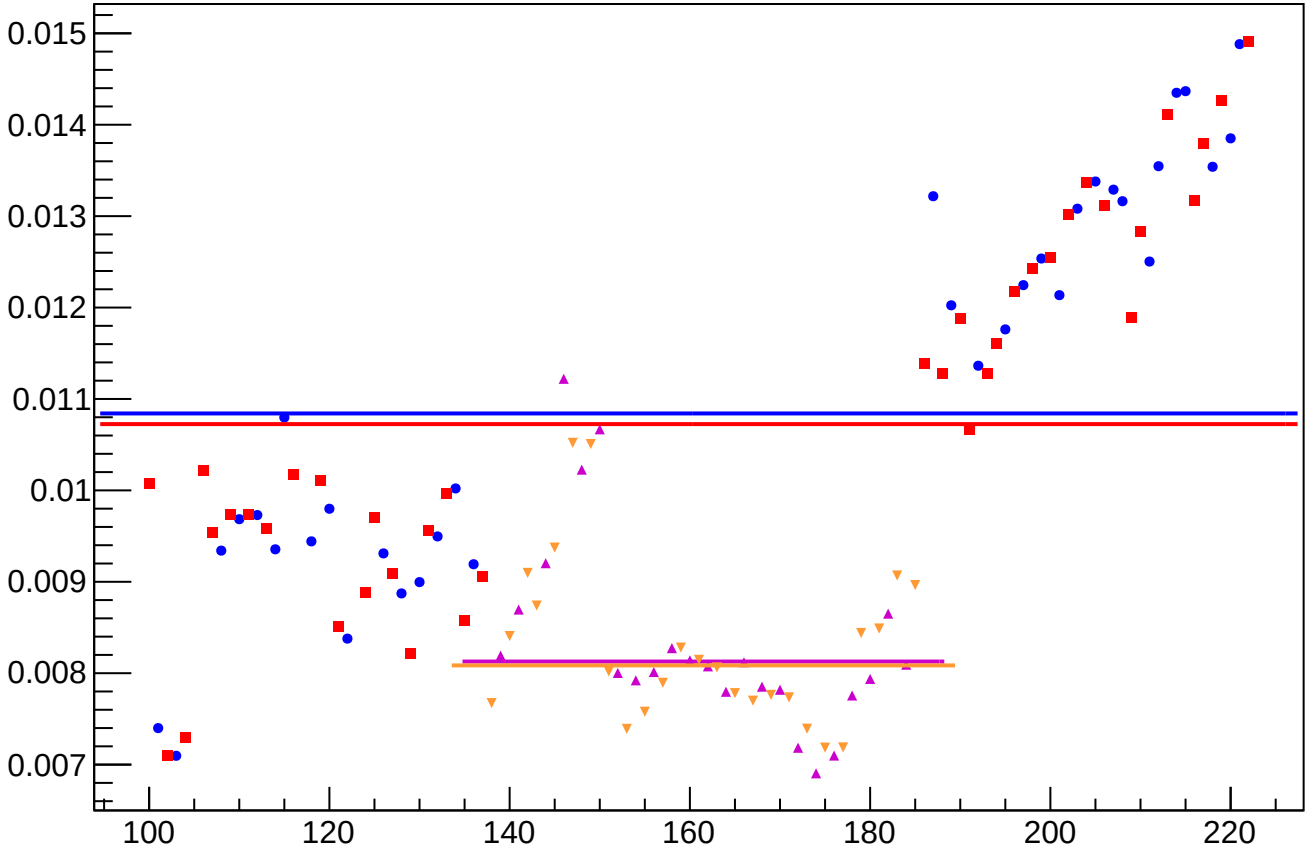
Right: -0.931+/-0.000 χ^2/NDF: 29961641053.8/71

In: -1.139+/-0.000 χ^2/NDF:26877896889.9/56

Out: -1.109+/-0.000 χ^2/NDF:33596852705.2/62

All: -1.123+/-0.000 χ^2/NDF: 60680295640.9/

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: 1702056.2/37

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

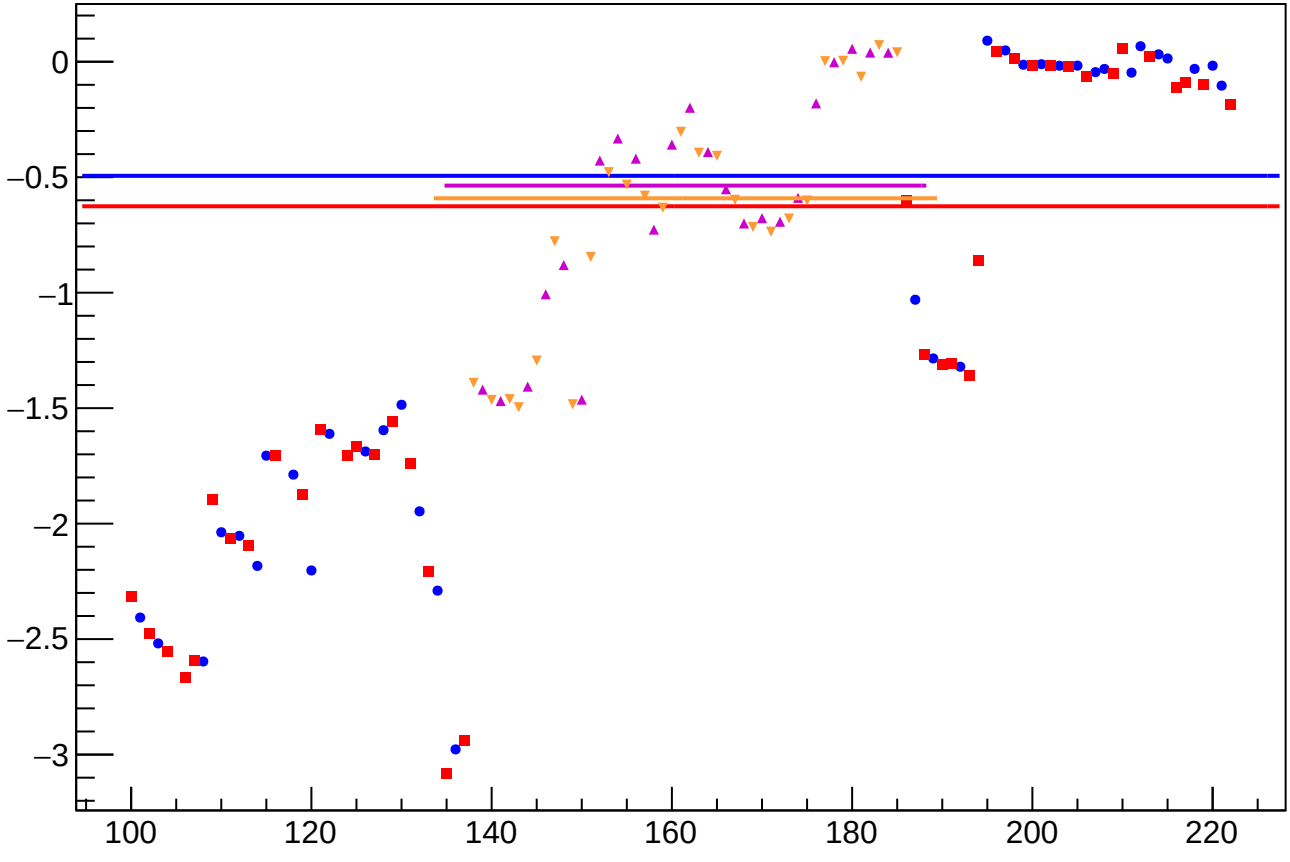
Right: 0.011+/-0.000 χ^2/NDF: 3564714.4/71

In: 0.009+/-0.000 χ^2/NDF:3806098.7/56

Out: 0.009+/-0.000 χ^2/NDF:3552945.3/62

All: 0.009+/-0.000 χ^2/NDF: 7362682.4/119

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: -0.626+/-0.000 χ^2/NDF: 450516593747.4/37

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

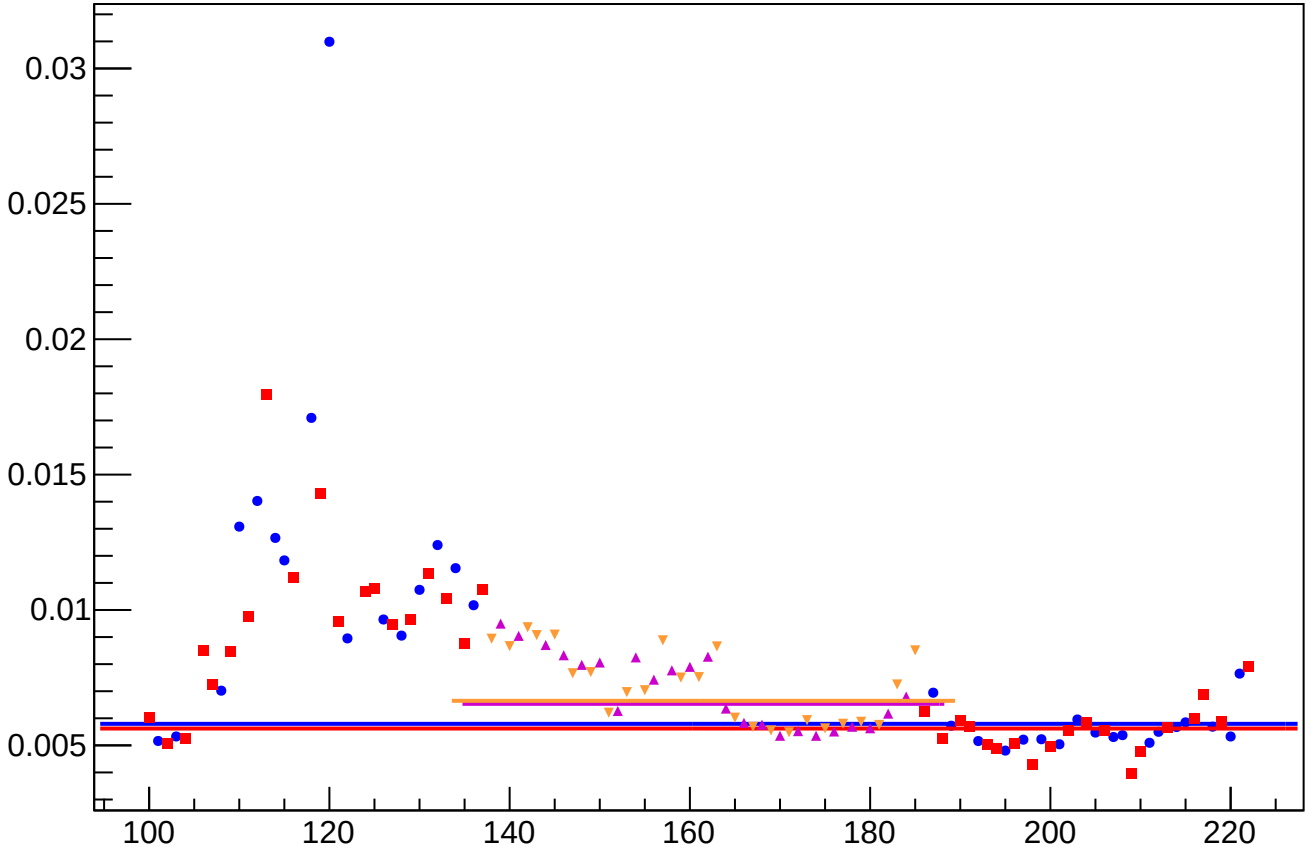
Right: -0.562+/-0.000 χ^2/NDF: 884688692782.9/71

In: -0.511+/-0.000 χ^2/NDF:499841519599.4/56

Out: -0.612+/-0.000 χ^2/NDF:523472182788.9/62

All: -0.563+/-0.000 χ^2/NDF: 1028100101844

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: 2884801.5/37

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

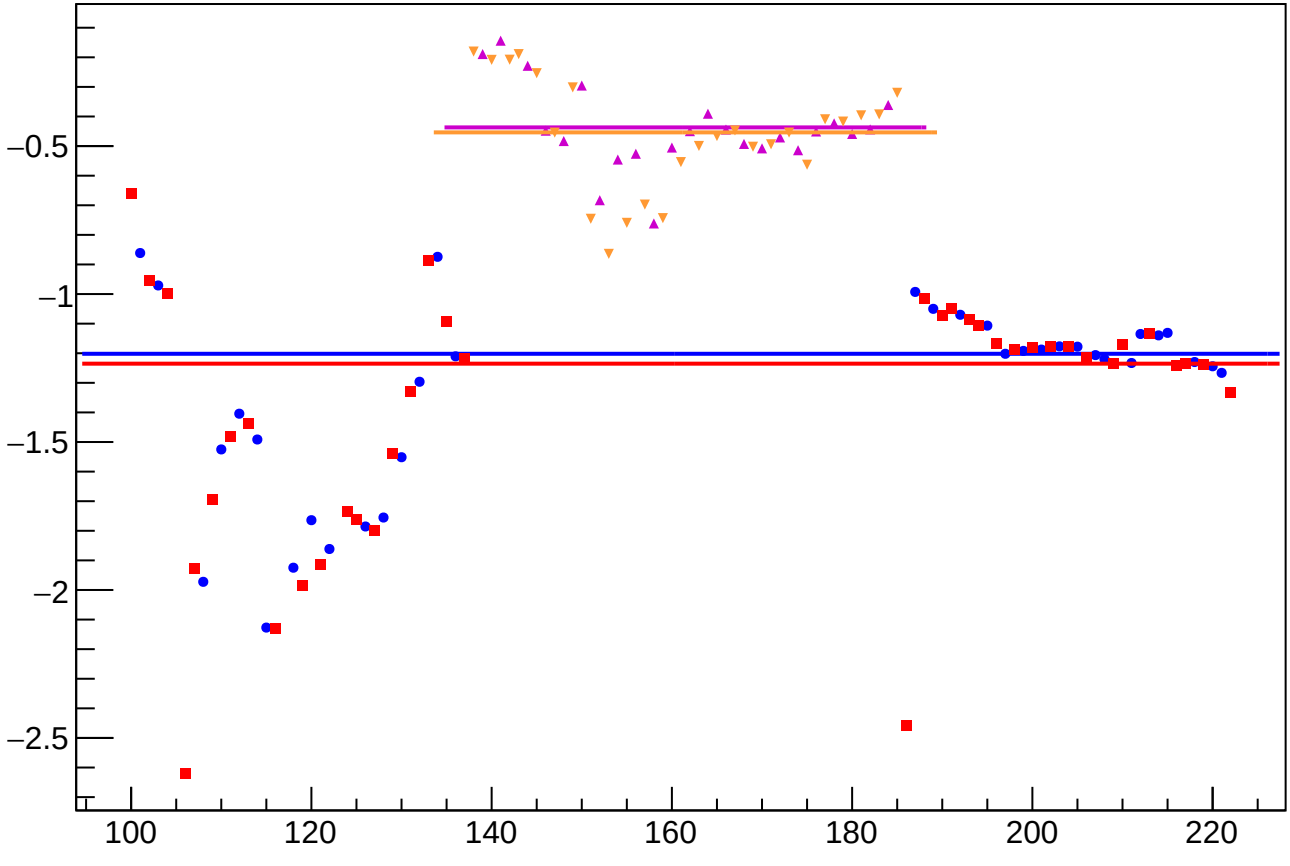
Right: 0.006+/-0.000 χ^2/NDF: 5555833.2/71

In: 0.006+/-0.000 χ^2/NDF:4046244.1/56

Out: 0.006+/-0.000 χ^2/NDF:4458433.2/62

All: 0.006+/-0.000 χ^2/NDF: 8509450.0/119

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.202+/-0.000 χ^2/NDF: 27870790539.7/33

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.235+/-0.000 χ^2/NDF: 72921134642.2/37

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

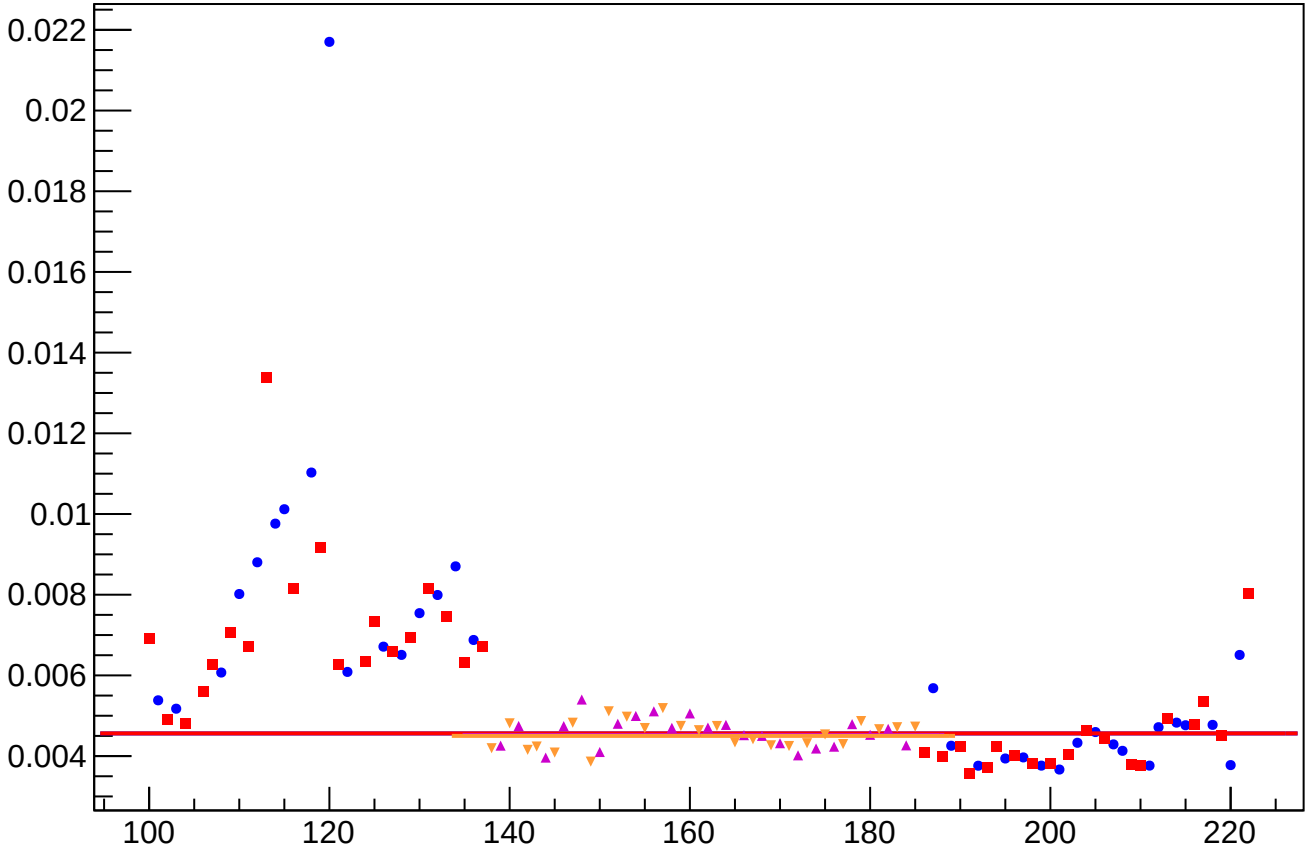
Right: -1.219+/-0.000 χ^2/NDF: 101286800117.8/71

In: -0.833+/-0.000 χ^2/NDF:291597702556.5/56

Out: -0.851+/-0.000 χ^2/NDF:371950865153.5/62

All: -0.842+/-0.000 χ^2/NDF: 663808415176.2

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: 2289681.2/37

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

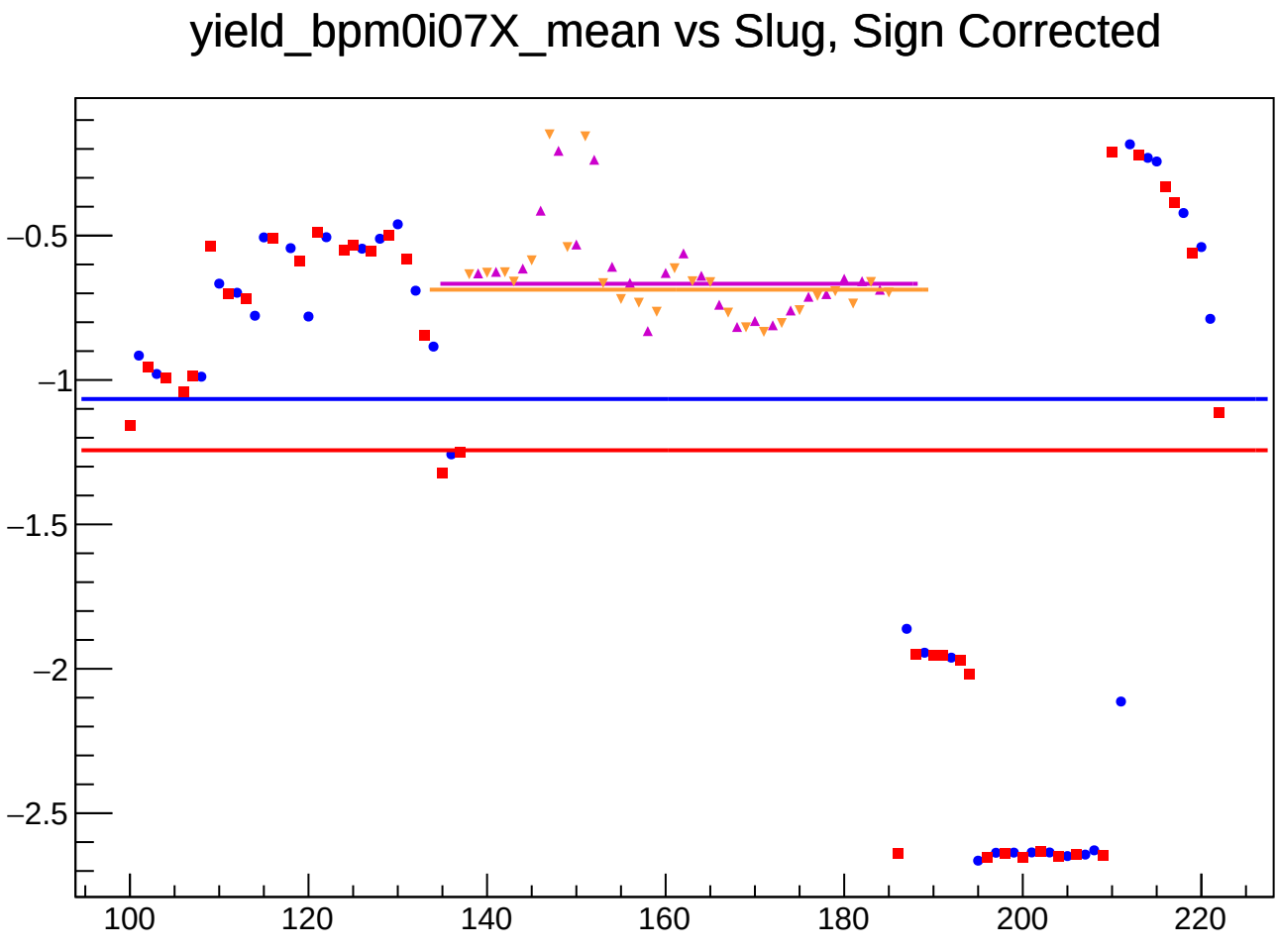
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4754699.6/71

In: 0.005+/-0.000 χ^2/NDF:2678447.8/56

Out: 0.005+/-0.000 χ^2/NDF:2482256.1/62

All: 0.005+/-0.000 χ^2/NDF: 5160850.0/119



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: -1.243+/-0.000 χ^2/NDF: 768626031835.6/37

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

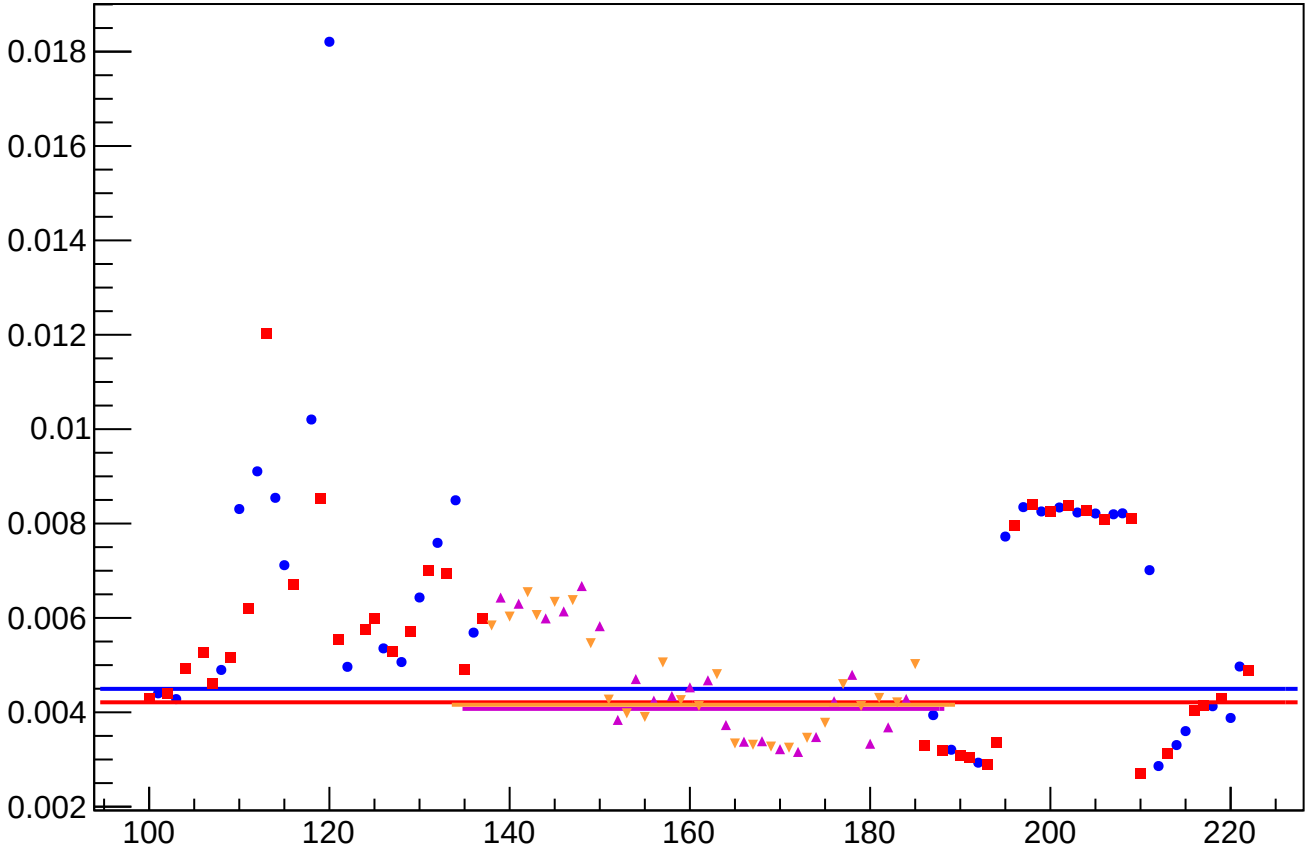
Right: -1.162+/-0.000 χ^2/NDF: 1430670278804.3/7

In: -0.857+/-0.000 χ^2/NDF:742097071162.1/56

Out: -0.972+/-0.000 χ^2/NDF:944002693722.8/62

All: -0.917+/-0.000 χ^2/NDF: 1698676440167

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: 5601748.3/37

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

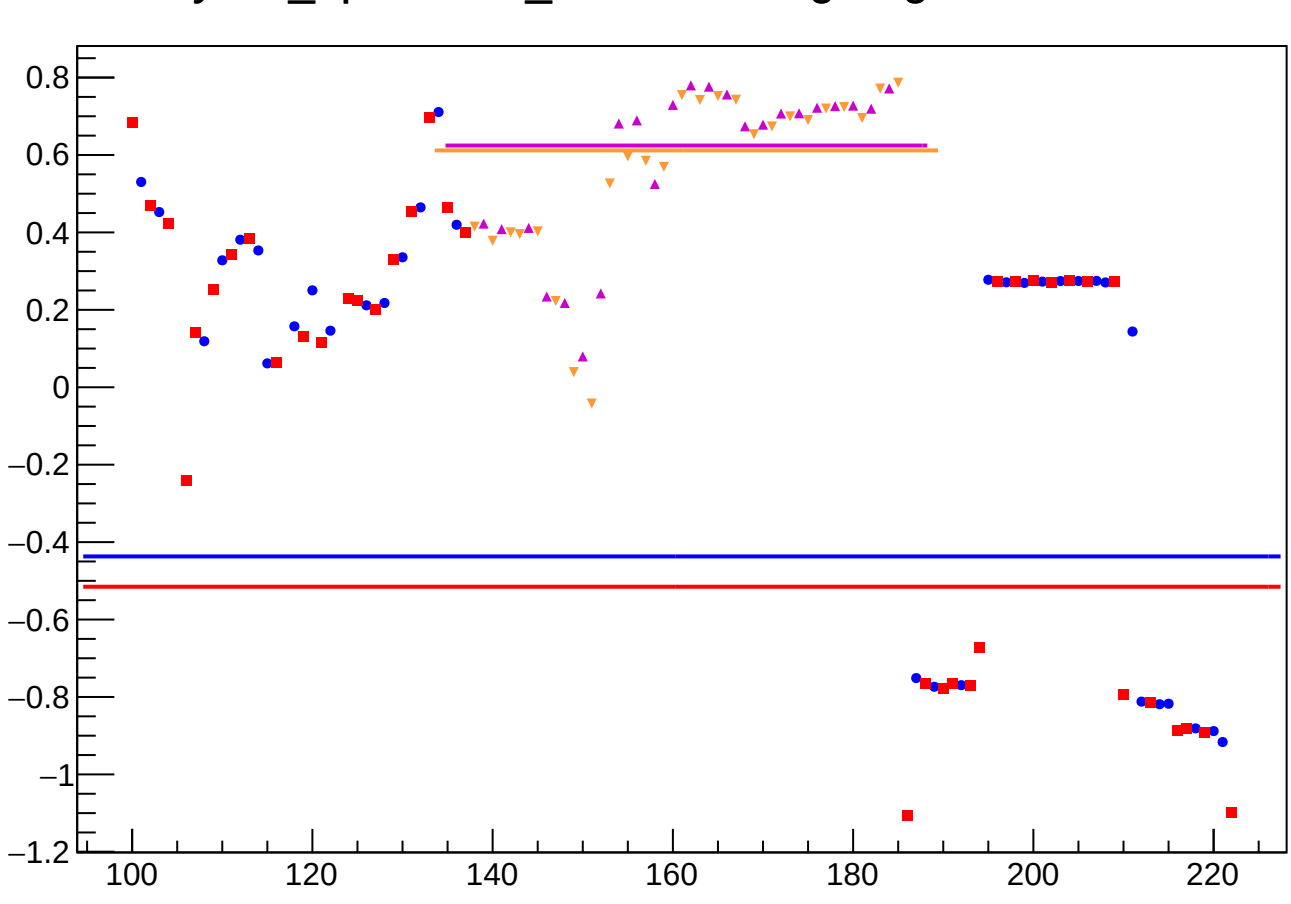
Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

Right: 0.004+/-0.000 χ^2/NDF: 11606005.2/71

In: 0.004+/-0.000 χ^2/NDF:7841936.4/56

Out: 0.004+/-0.000 χ^2/NDF:7124427.7/62

All: 0.004+/-0.000 χ^2/NDF: 14981074.0/119



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: -0.515+/-0.000 χ^2/NDF: 675471897019.9/37

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

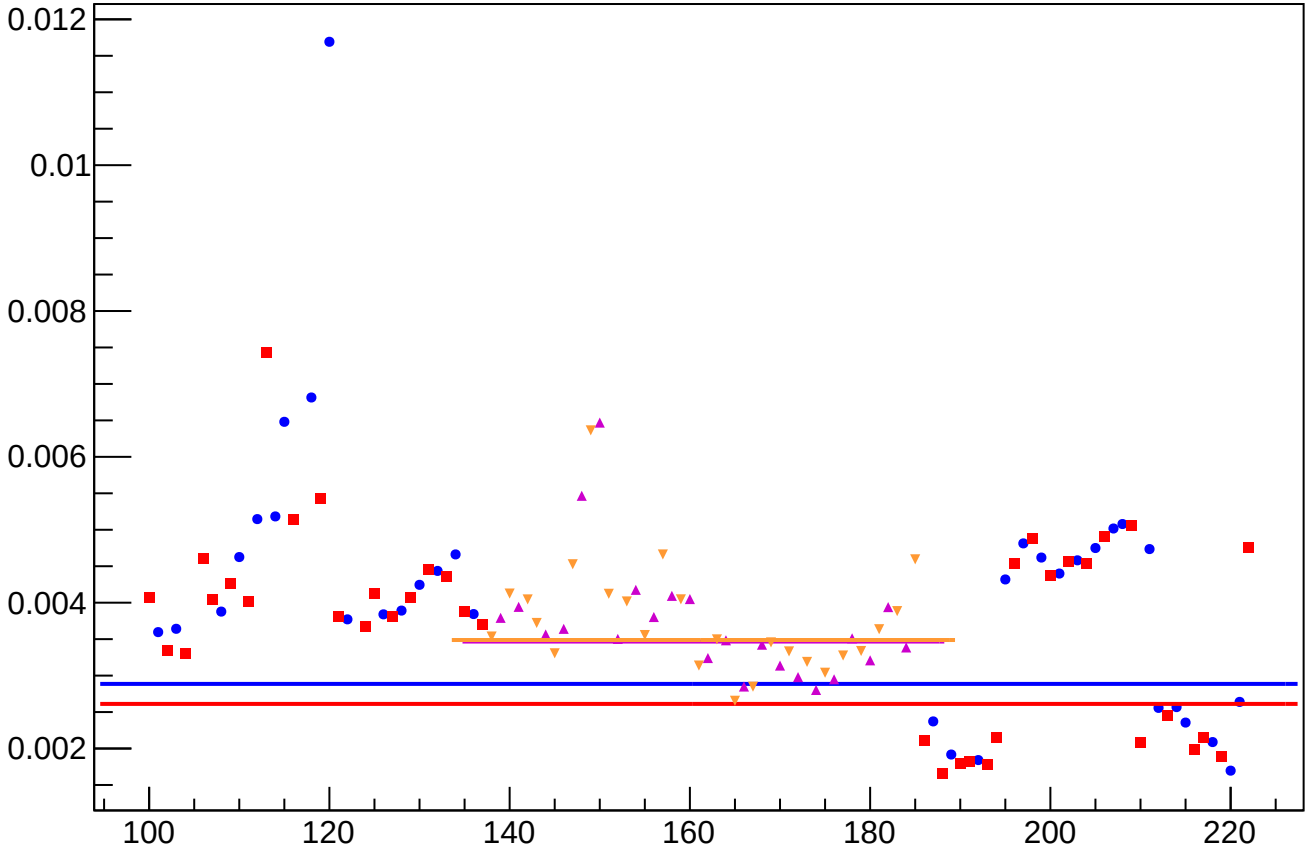
Right: -0.480+/-0.000 χ^2/NDF: 1310070775084.2/7

In: -0.033+/-0.000 χ^2/NDF:1552243861558.4/56

Out: -0.130+/-0.000 χ^2/NDF:1823125120592.9/62

All: -0.085+/-0.000 χ^2/NDF: 3391928034265

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: 6235692.7/37

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

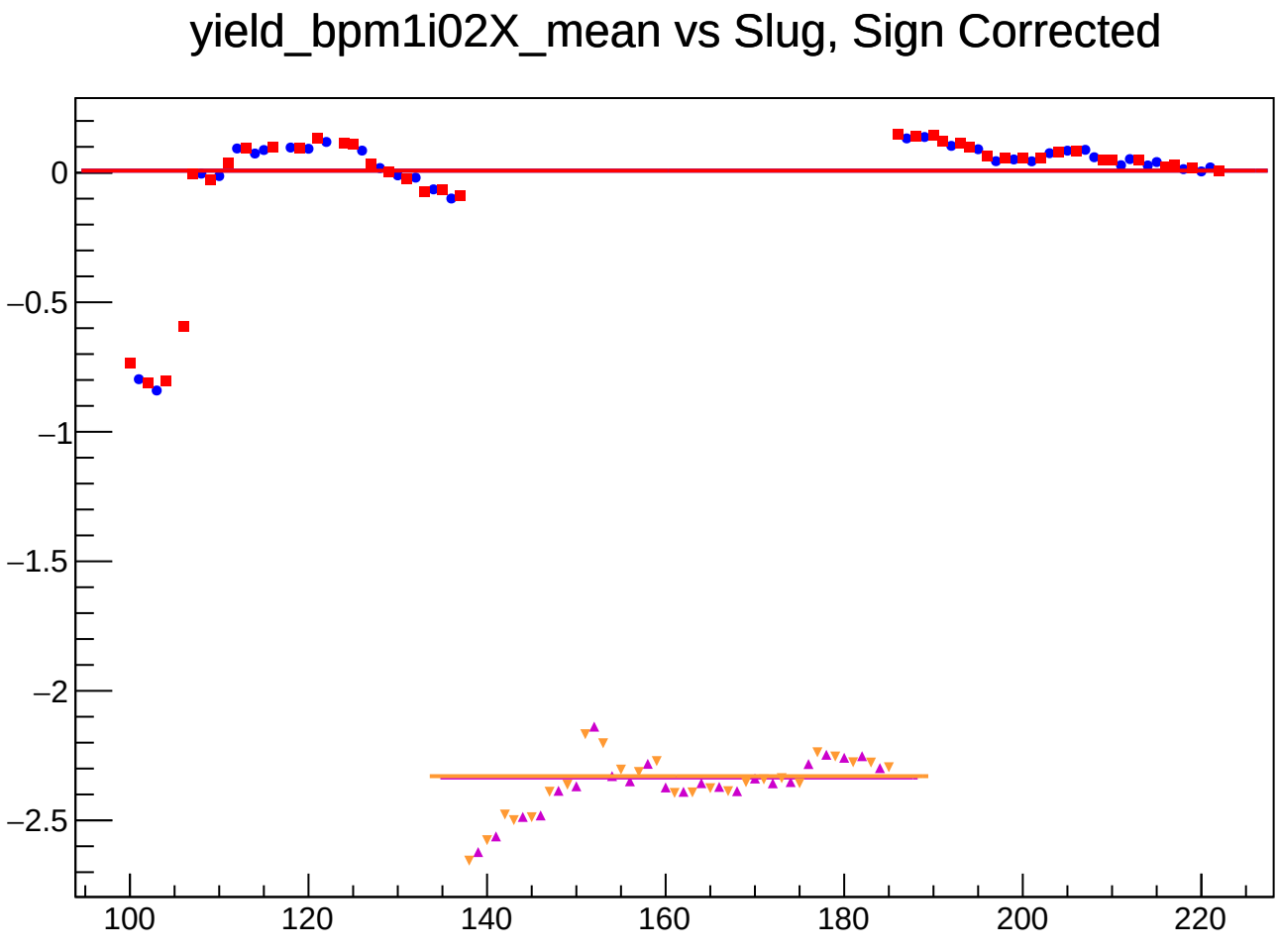
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 12226434.4/71

In: 0.003+/-0.000 χ^2/NDF:7242983.9/56

Out: 0.003+/-0.000 χ^2/NDF:8418669.1/62

All: 0.003+/-0.000 χ^2/NDF: 15798098.5/119



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: 7841670793.1/37

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

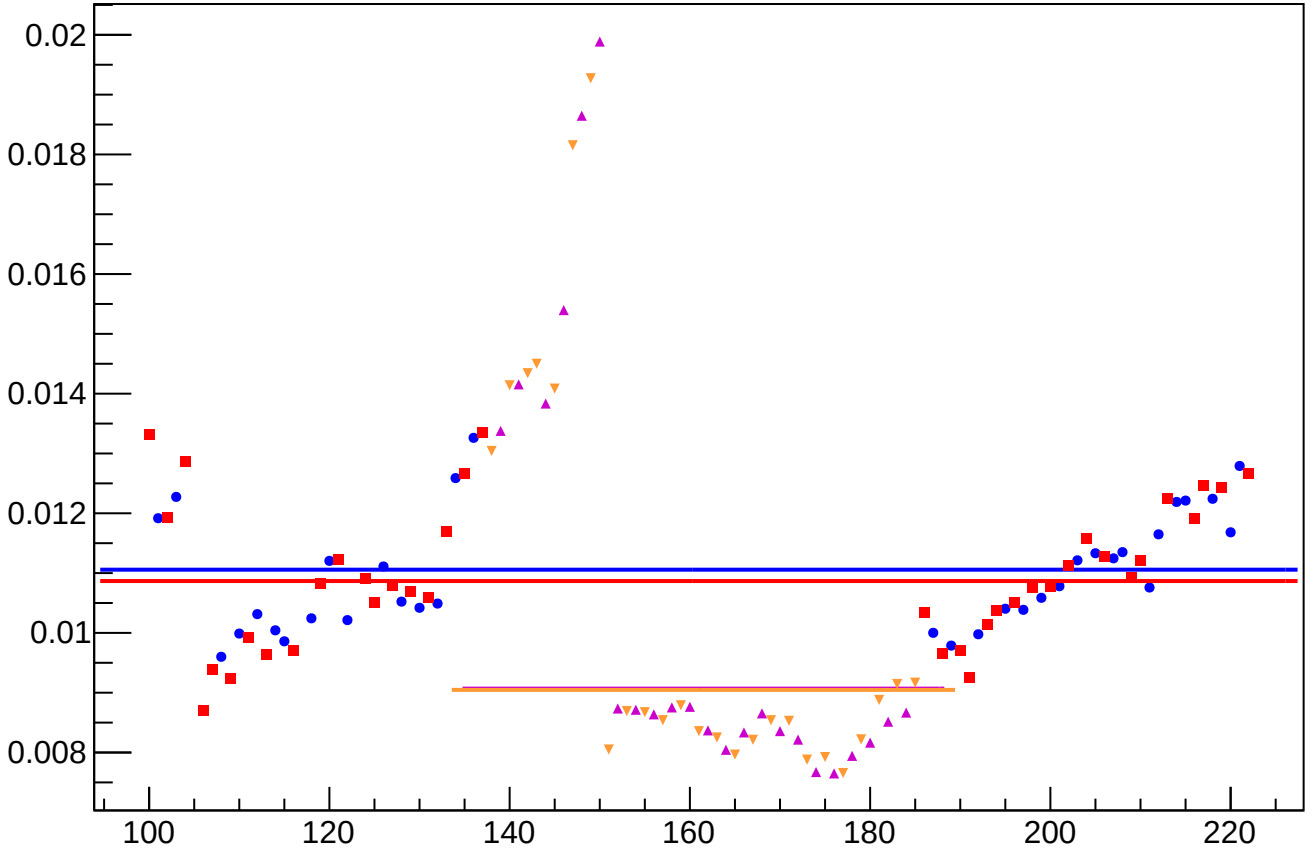
Right: 0.008+/-0.000 χ^2/NDF: 14419476284.2/71

In: -1.256+/-0.000 χ^2/NDF:535310974740.5/56

Out: -1.263+/-0.000 χ^2/NDF:563683985943.4/62

All: -1.260+/-0.000 χ^2/NDF: 1099003145141

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: 406226.7/37

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

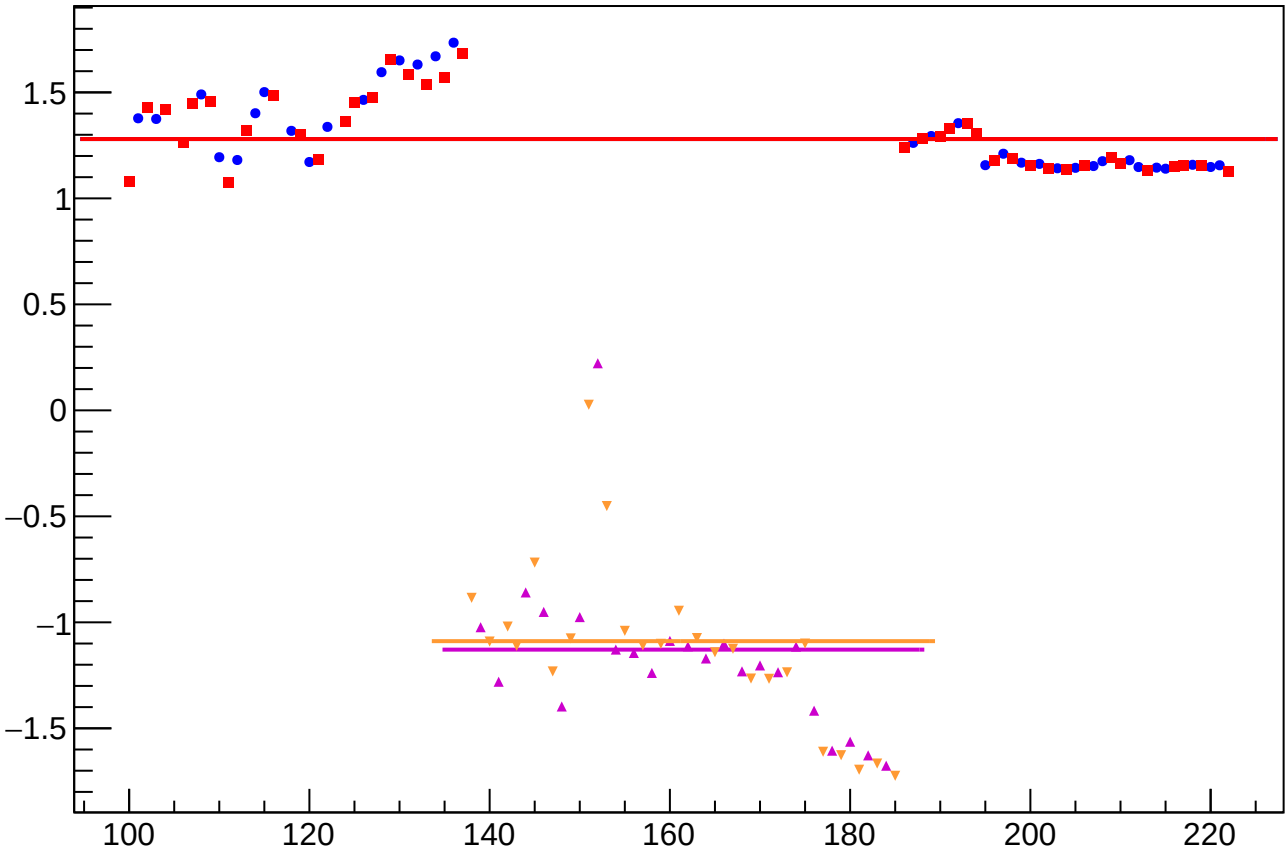
Right: 0.011+/-0.000 χ^2/NDF: 713409.1/71

In: 0.010+/-0.000 χ^2/NDF:3194661.7/56

Out: 0.010+/-0.000 χ^2/NDF:3126697.6/62

All: 0.010+/-0.000 χ^2/NDF: 6325827.1/119

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: 1.280+/-0.000 χ^2/NDF: 7969689724.4/37

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

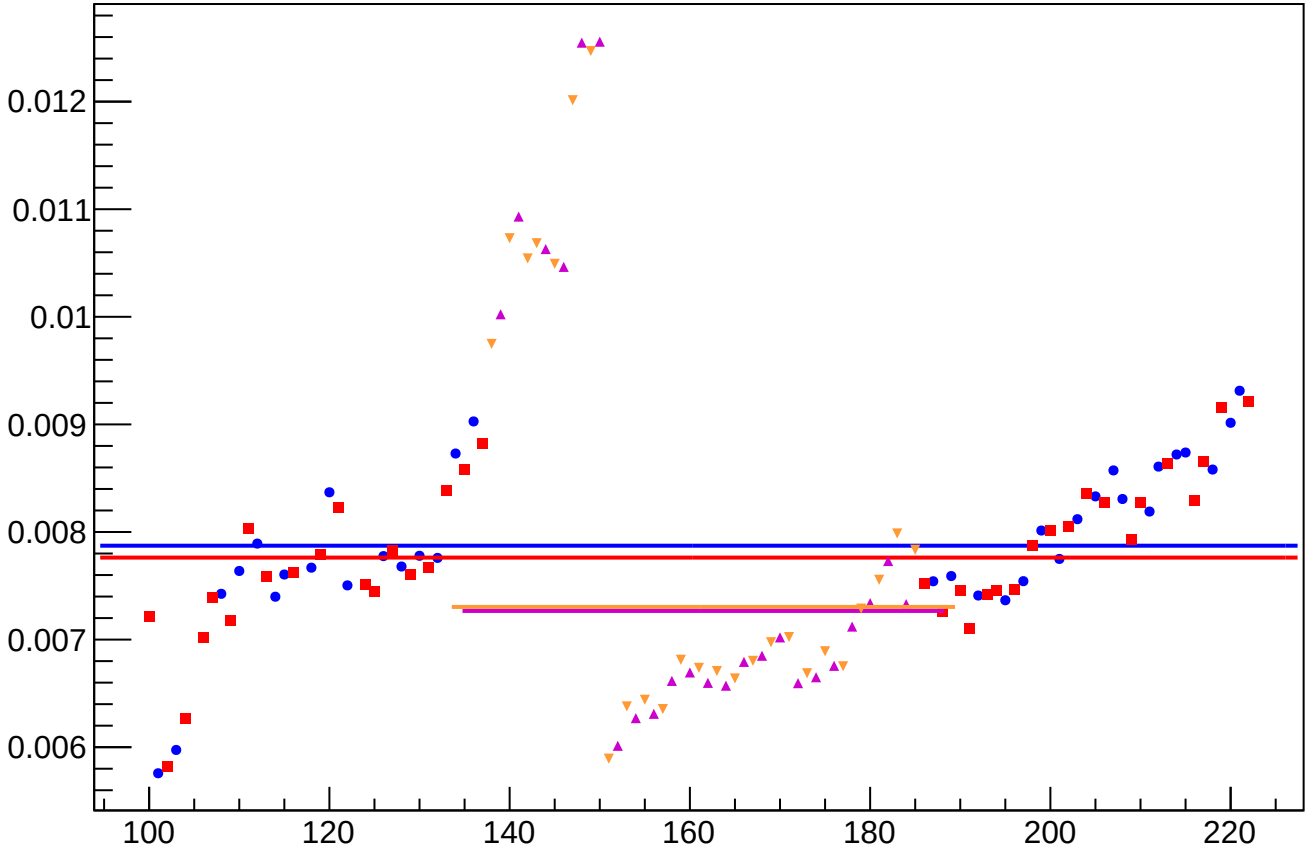
Right: 1.280+/-0.000 χ^2/NDF: 18066417933.7/71

In: 0.109+/-0.000 χ^2/NDF:1055458272885.2/56

Out: 0.129+/-0.000 χ^2/NDF:1068493049084.9/62

All: 0.119+/-0.000 χ^2/NDF: 2124091988174.

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: 423473.1/37

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

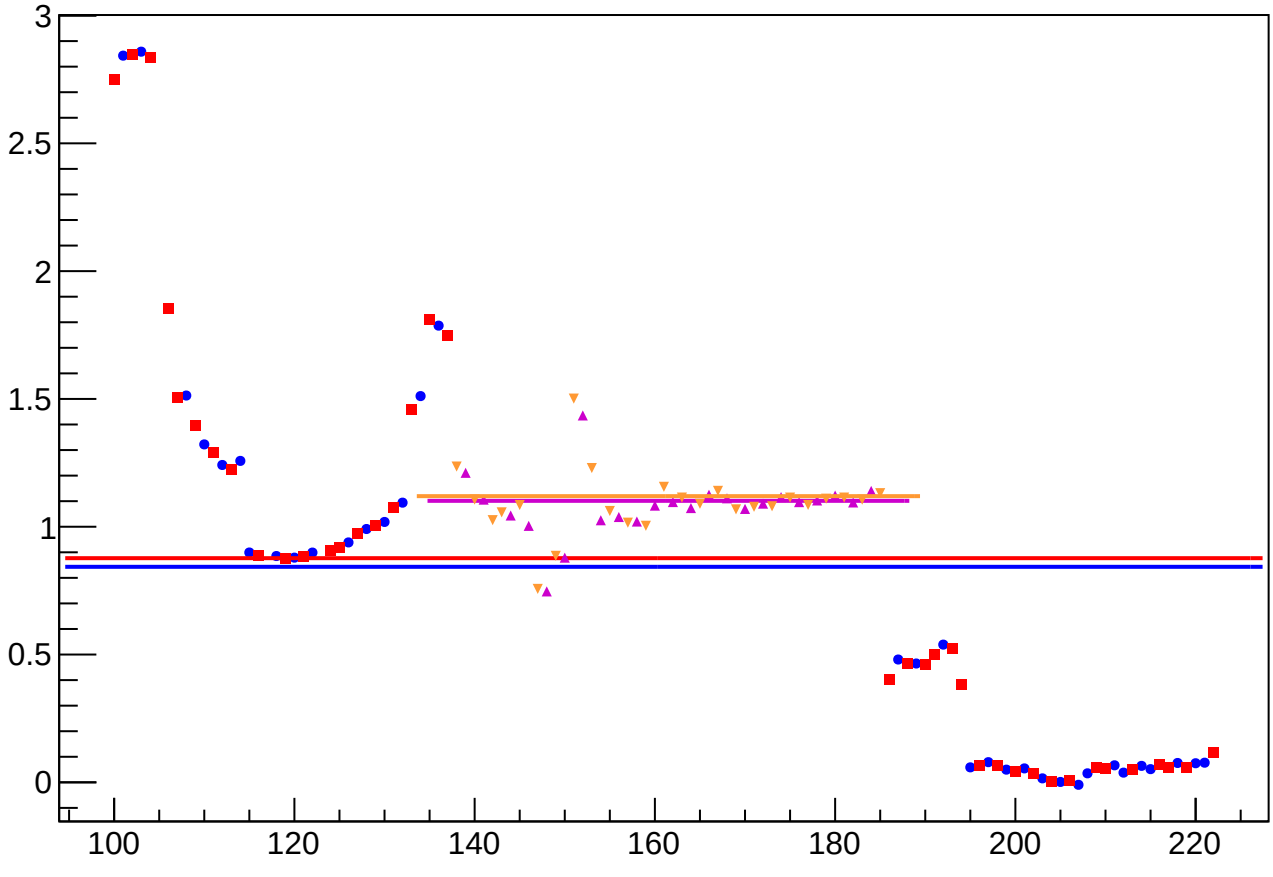
Right: 0.008+/-0.000 χ^2/NDF: 953613.9/71

In: 0.008+/-0.000 χ^2/NDF:2210893.2/56

Out: 0.008+/-0.000 χ^2/NDF:2002491.5/62

All: 0.008+/-0.000 χ^2/NDF: 4214419.2/119

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: 0.877+/-0.000 χ^2/NDF: 161621348520.7/37

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

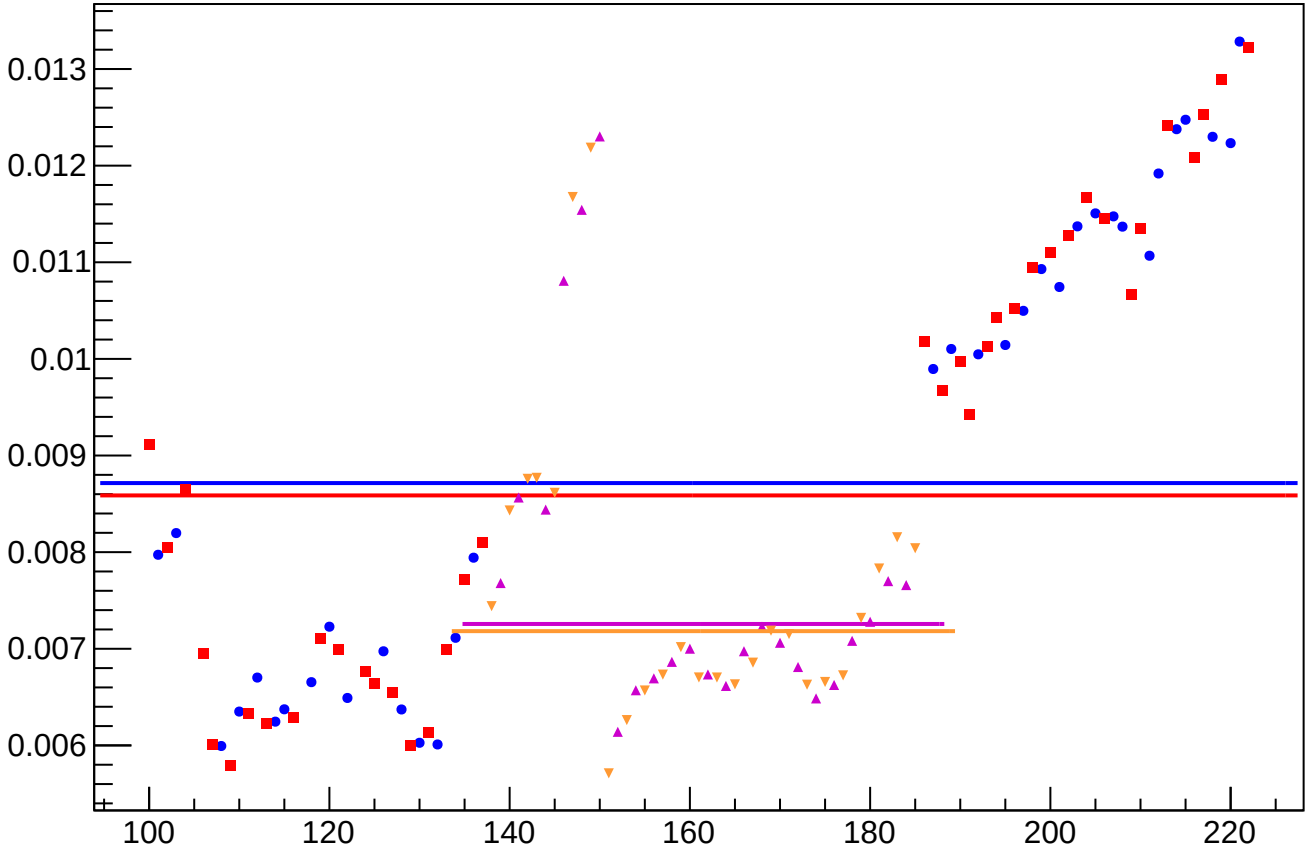
Right: 0.860+/-0.000 χ^2/NDF: 330063930460.7/71

In: 0.986+/-0.000 χ^2/NDF:182393613901.7/56

Out: 1.013+/-0.000 χ^2/NDF:176402918423.8/62

All: 1.000+/-0.000 χ^2/NDF: 359021542302.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3011296.2/33

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3064620.7/37

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

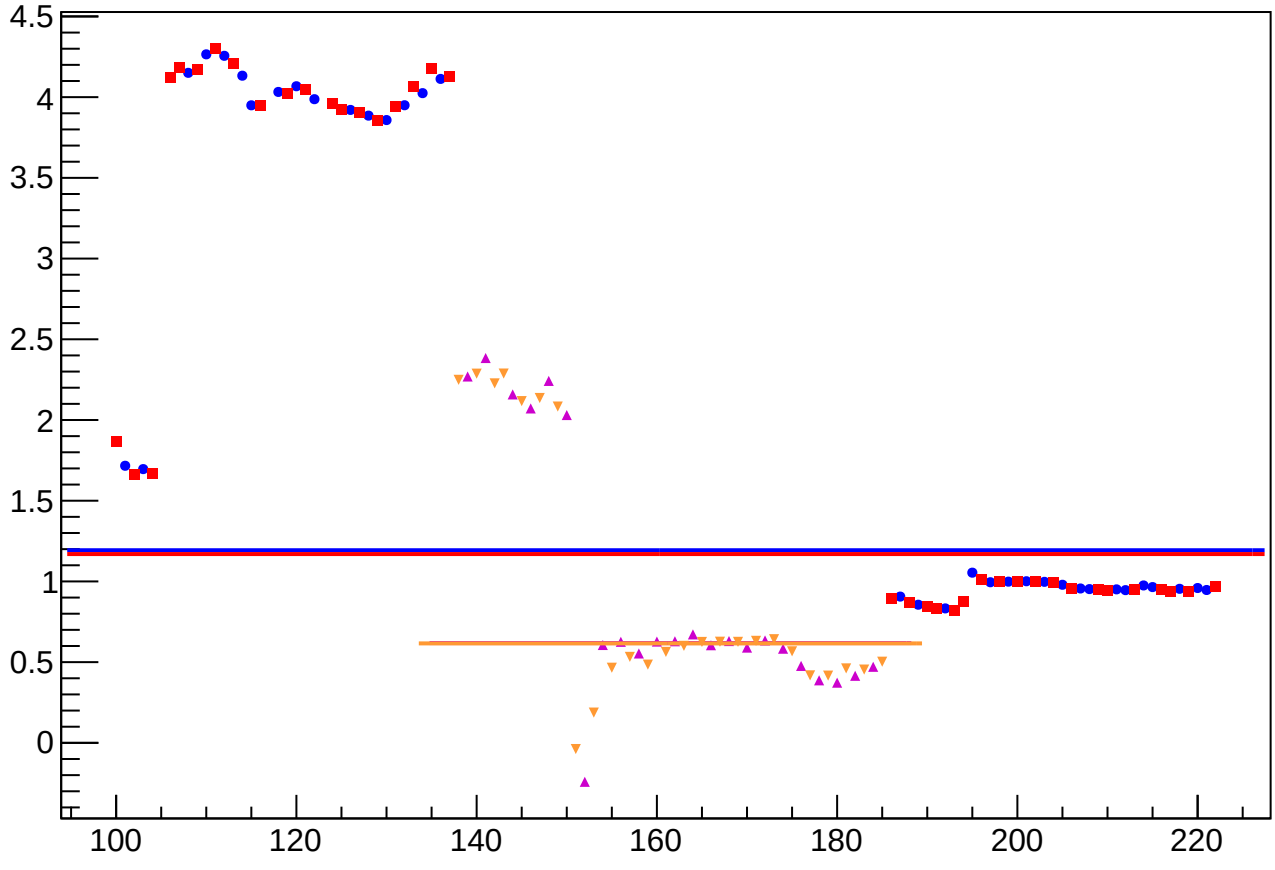
Right: 0.009+/-0.000 χ^2/NDF: 6080406.3/71

In: 0.008+/-0.000 χ^2/NDF:4560241.6/56

Out: 0.008+/-0.000 χ^2/NDF:4579475.9/62

All: 0.008+/-0.000 χ^2/NDF: 9146952.8/119

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: 1.169+/-0.000 χ^2/NDF: 1818142555853.1/37

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

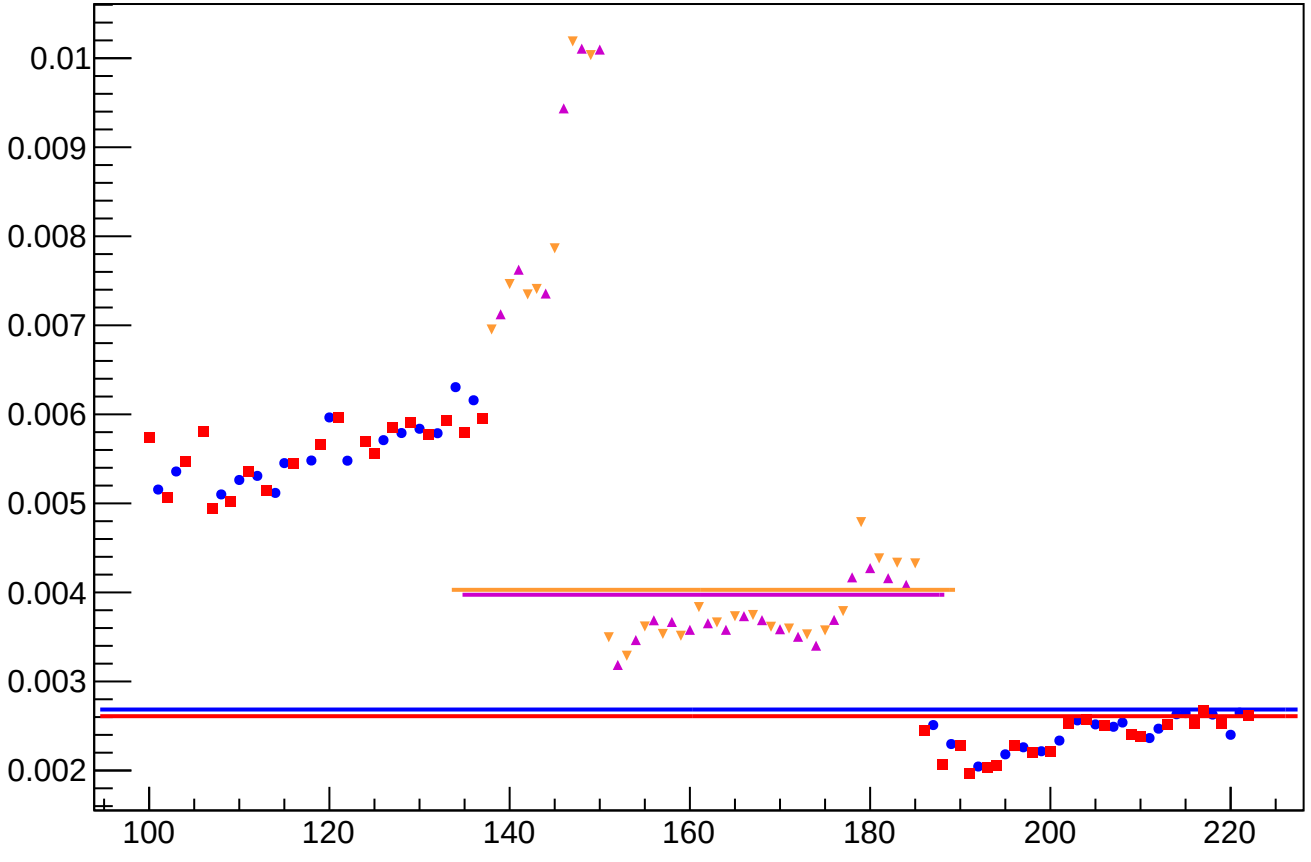
Right: 1.181+/-0.000 χ^2/NDF: 3483645628928.4/71

In: 1.030+/-0.000 χ^2/NDF:2162244531901.2/56

Out: 1.017+/-0.000 χ^2/NDF:2304382643128.3/62

All: 1.023+/-0.000 χ^2/NDF: 4466960135536.

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: 4716965.7/37

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

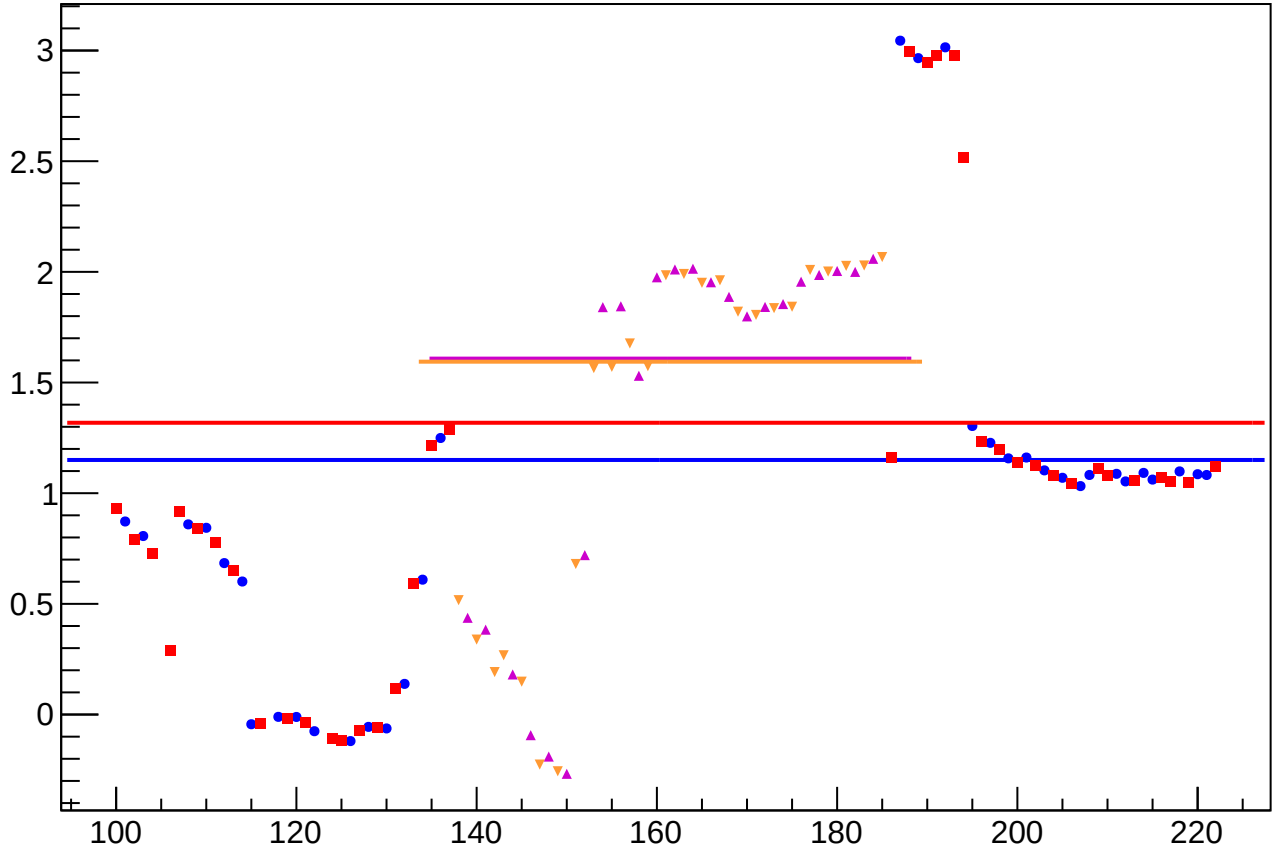
Right: 0.003+/-0.000 χ^2/NDF: 9184280.8/71

In: 0.003+/-0.000 χ^2/NDF:10019466.3/56

Out: 0.003+/-0.000 χ^2/NDF:10763596.1/62

All: 0.003+/-0.000 χ^2/NDF: 20791947.9/119

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: 1.318+/-0.000 χ^2/NDF: 107972087143.8/37

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

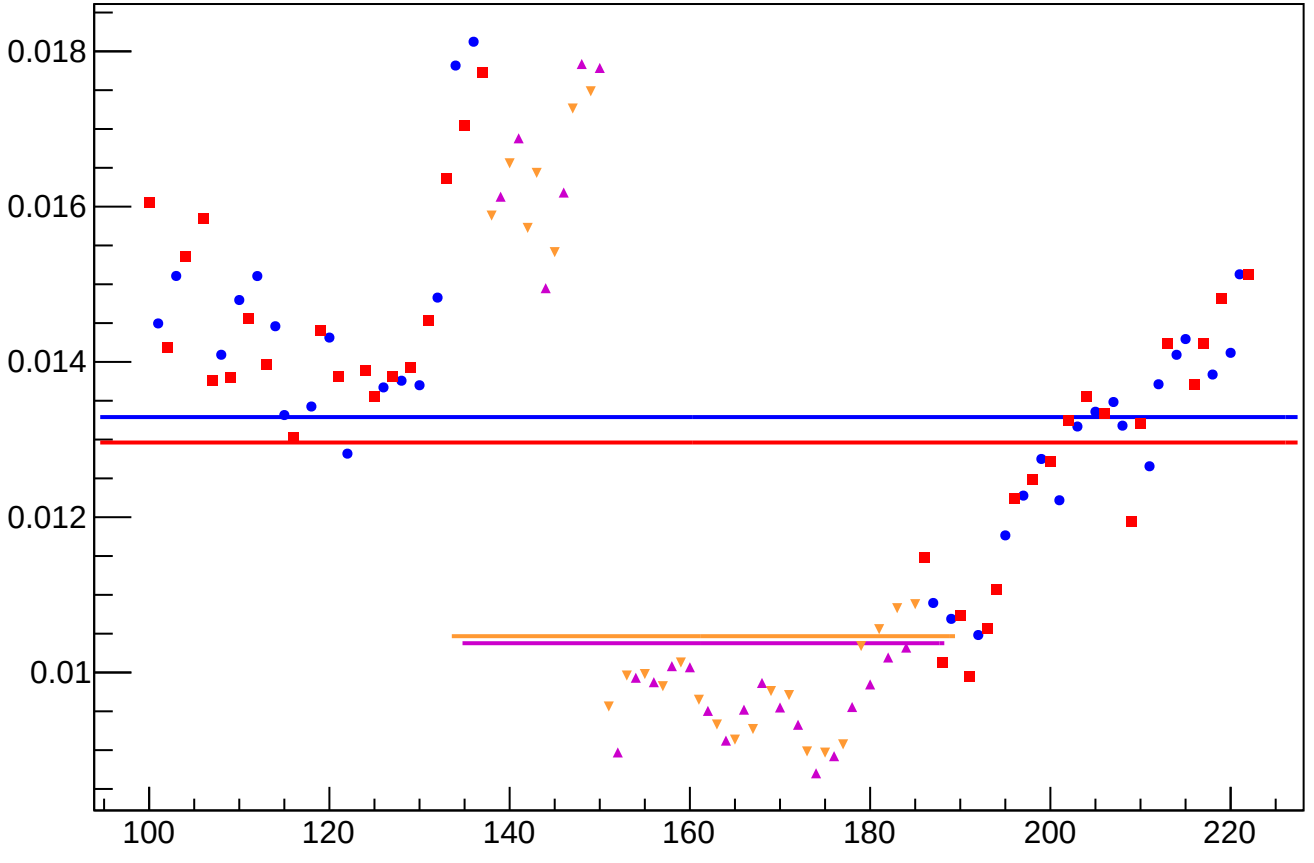
Right: 1.237+/-0.000 χ^2/NDF: 187710557548.2/71

In: 1.411+/-0.000 χ^2/NDF:158897694670.0/56

Out: 1.474+/-0.000 χ^2/NDF:176143317105.6/62

All: 1.443+/-0.000 χ^2/NDF: 335621330577.8

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: 725337.0/37

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

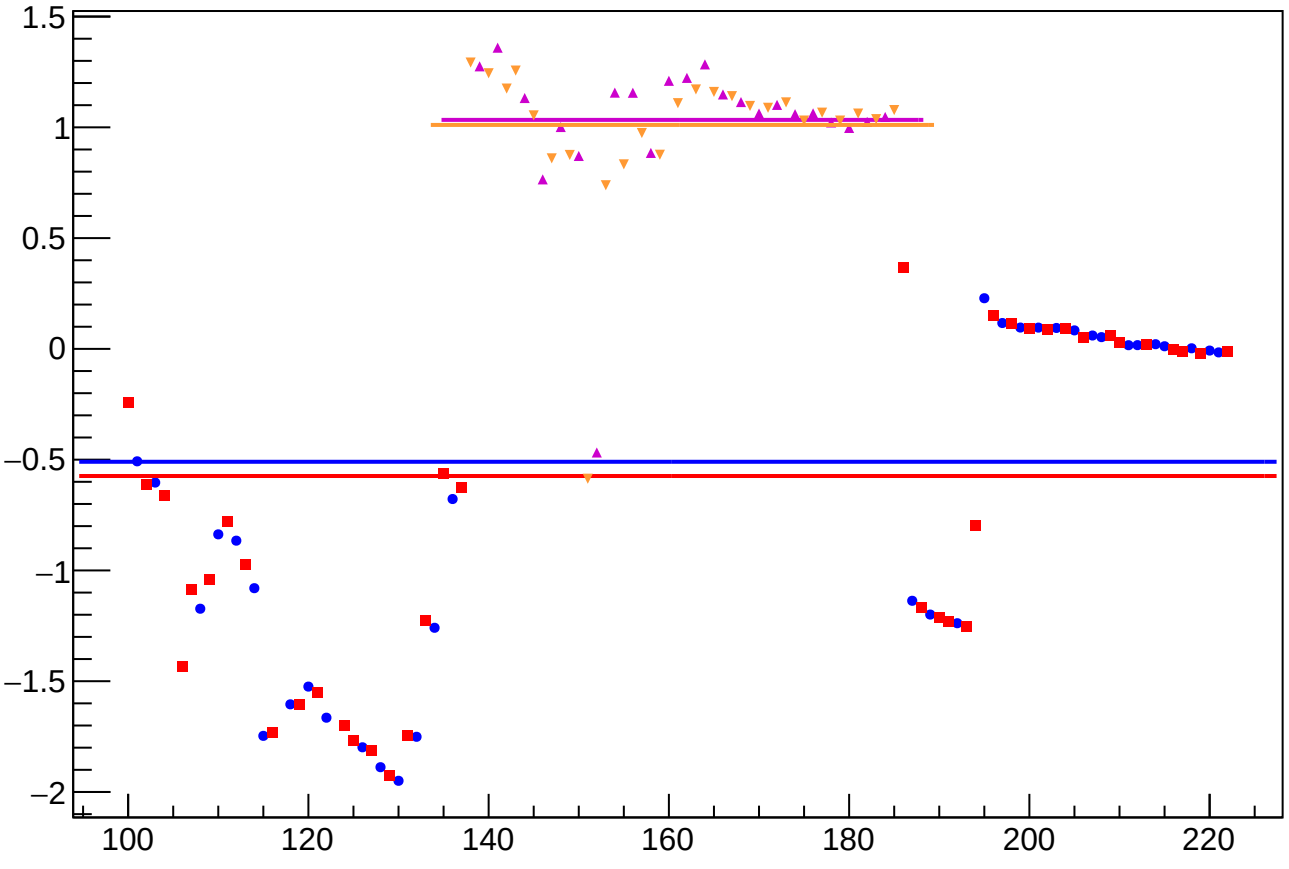
Right: 0.013+/-0.000 χ^2/NDF: 1312661.7/71

In: 0.012+/-0.000 χ^2/NDF:3459738.4/56

Out: 0.012+/-0.000 χ^2/NDF:3291520.0/62

All: 0.012+/-0.000 χ^2/NDF: 6753032.0/119

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: -0.574+/-0.000 χ^2/NDF: 214651181151.3/37

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

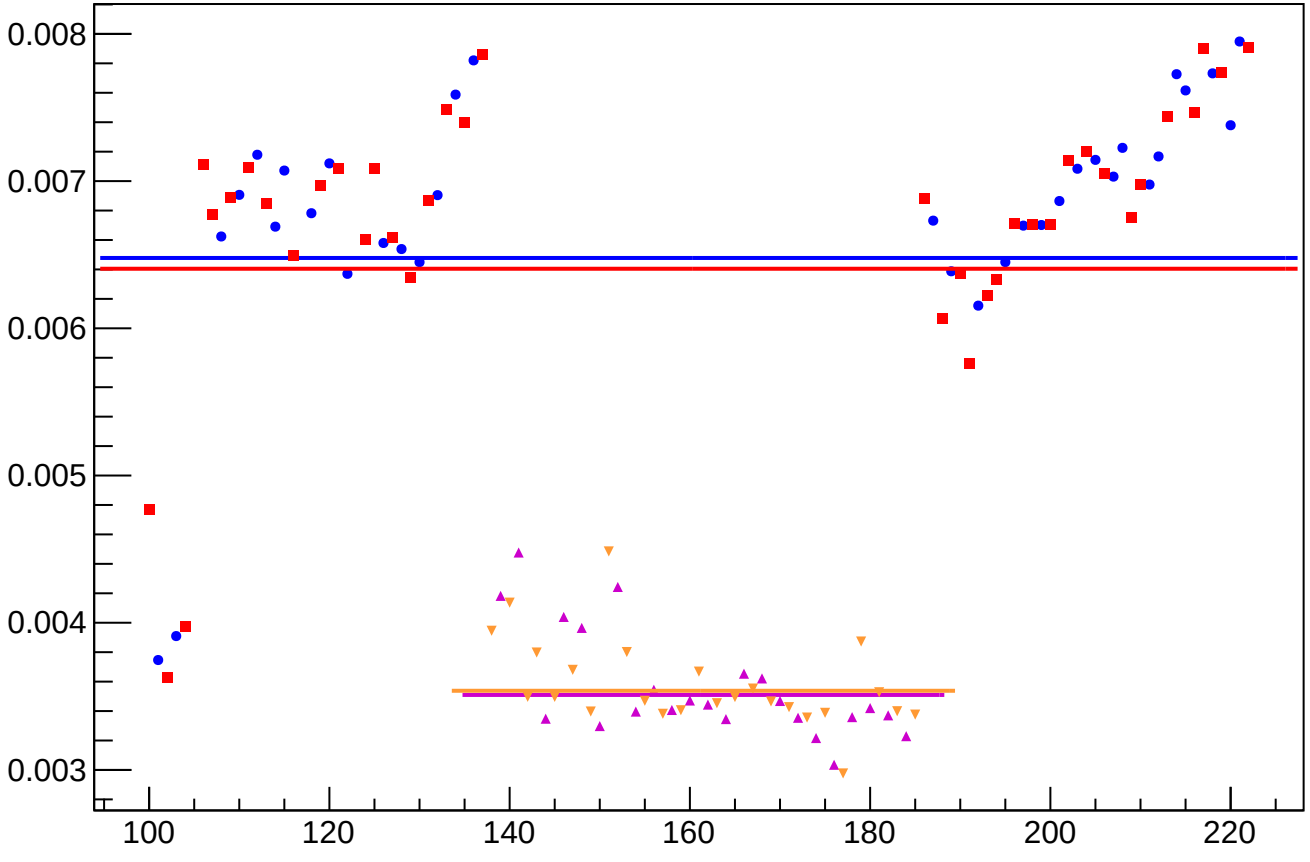
Right: -0.542+/-0.000 χ^2/NDF: 442164364701.3/71

In: 0.624+/-0.000 χ^2/NDF:1201690965746.5/56

Out: 0.594+/-0.000 χ^2/NDF:1255002780958.3/62

All: 0.609+/-0.000 χ^2/NDF: 2457576467355.

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: 1523946.2/37

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

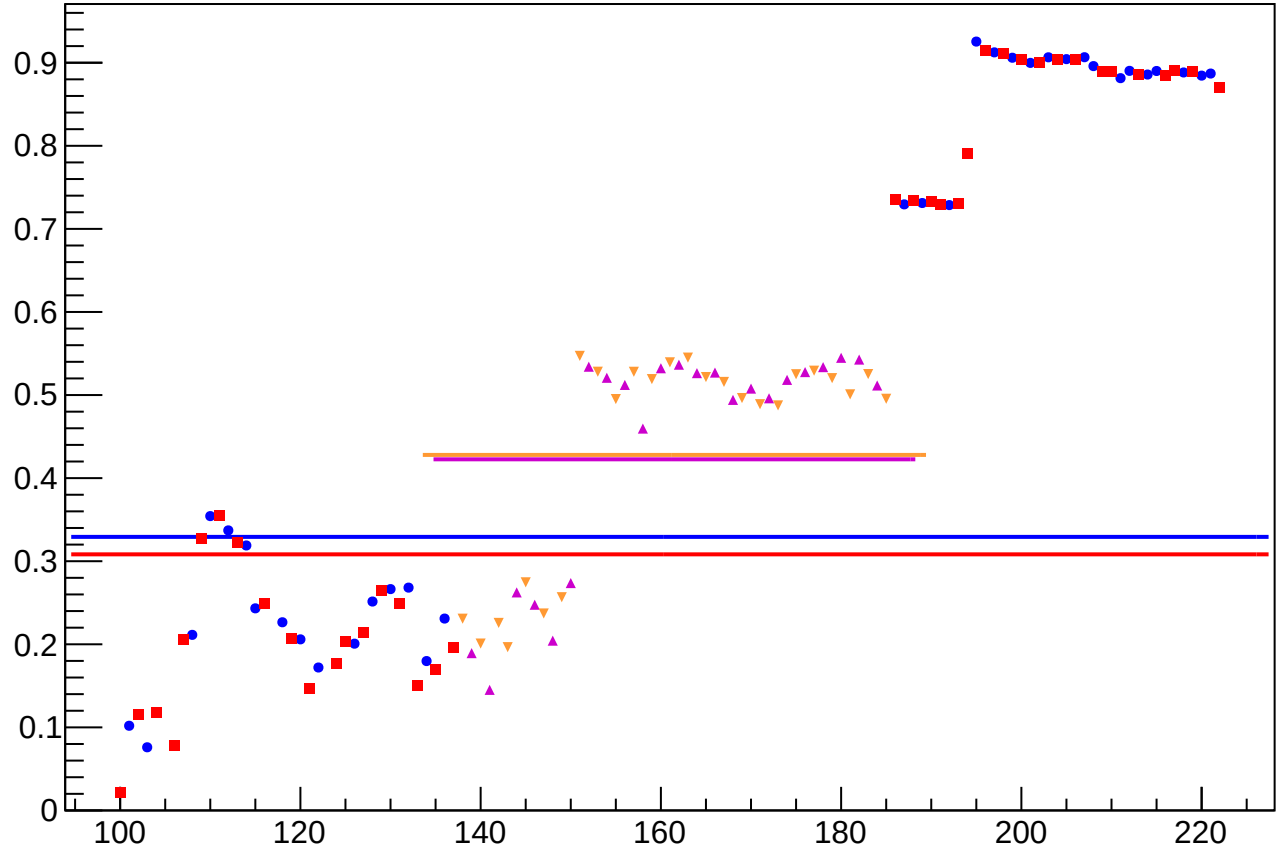
Right: 0.006+/-0.000 χ^2/NDF: 3043195.8/71

In: 0.004+/-0.000 χ^2/NDF:8089999.7/56

Out: 0.004+/-0.000 χ^2/NDF:7821562.6/62

All: 0.004+/-0.000 χ^2/NDF: 15911593.5/119

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: 0.308+/-0.000 χ^2/NDF: 280378891886.5/37

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

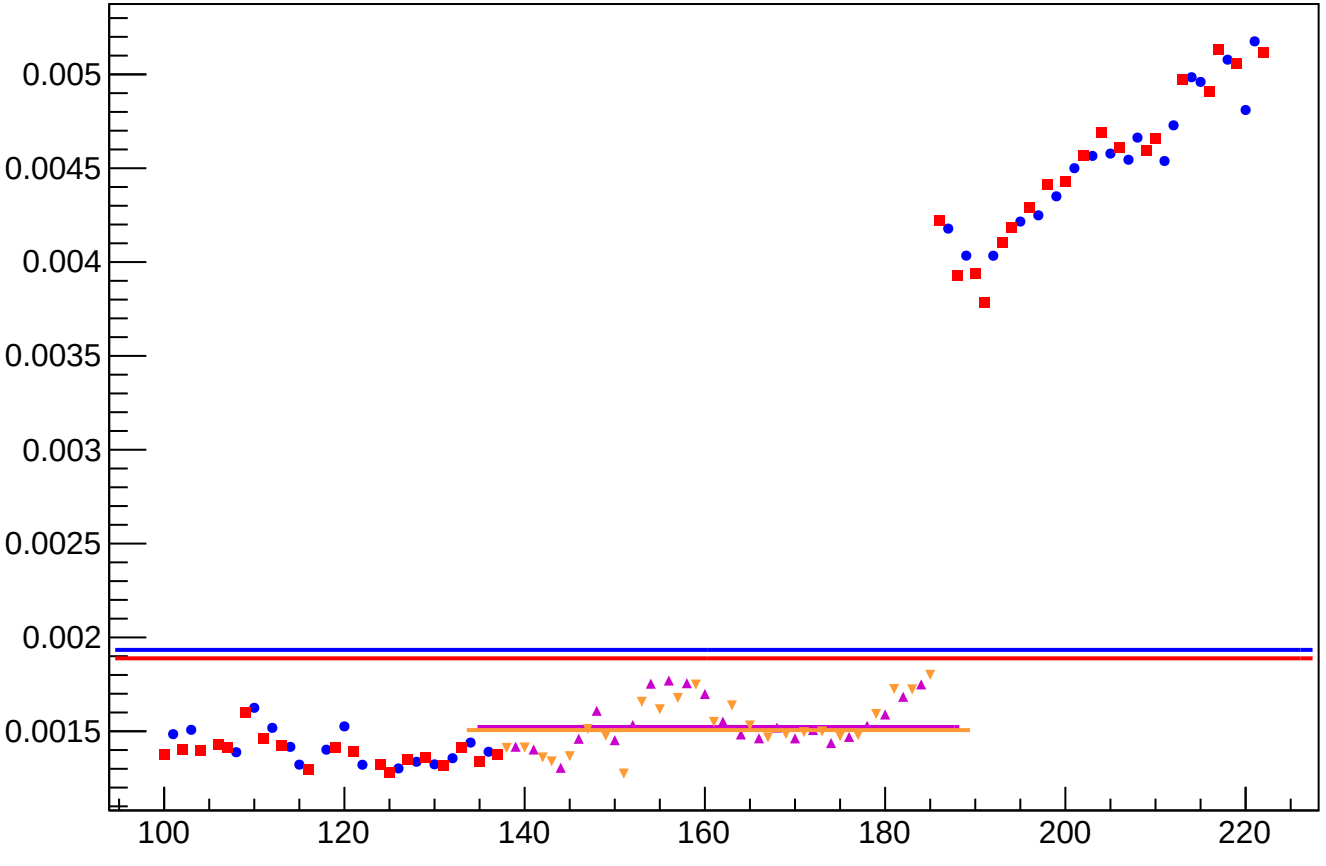
Right: 0.318+/-0.000 χ^2/NDF: 552882630607.7/71

In: 0.390+/-0.000 χ^2/NDF:453452734922.2/56

Out: 0.386+/-0.000 χ^2/NDF:476277211290.7/62

All: 0.388+/-0.000 χ^2/NDF: 929814487793.1

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: 12000173.7/37

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

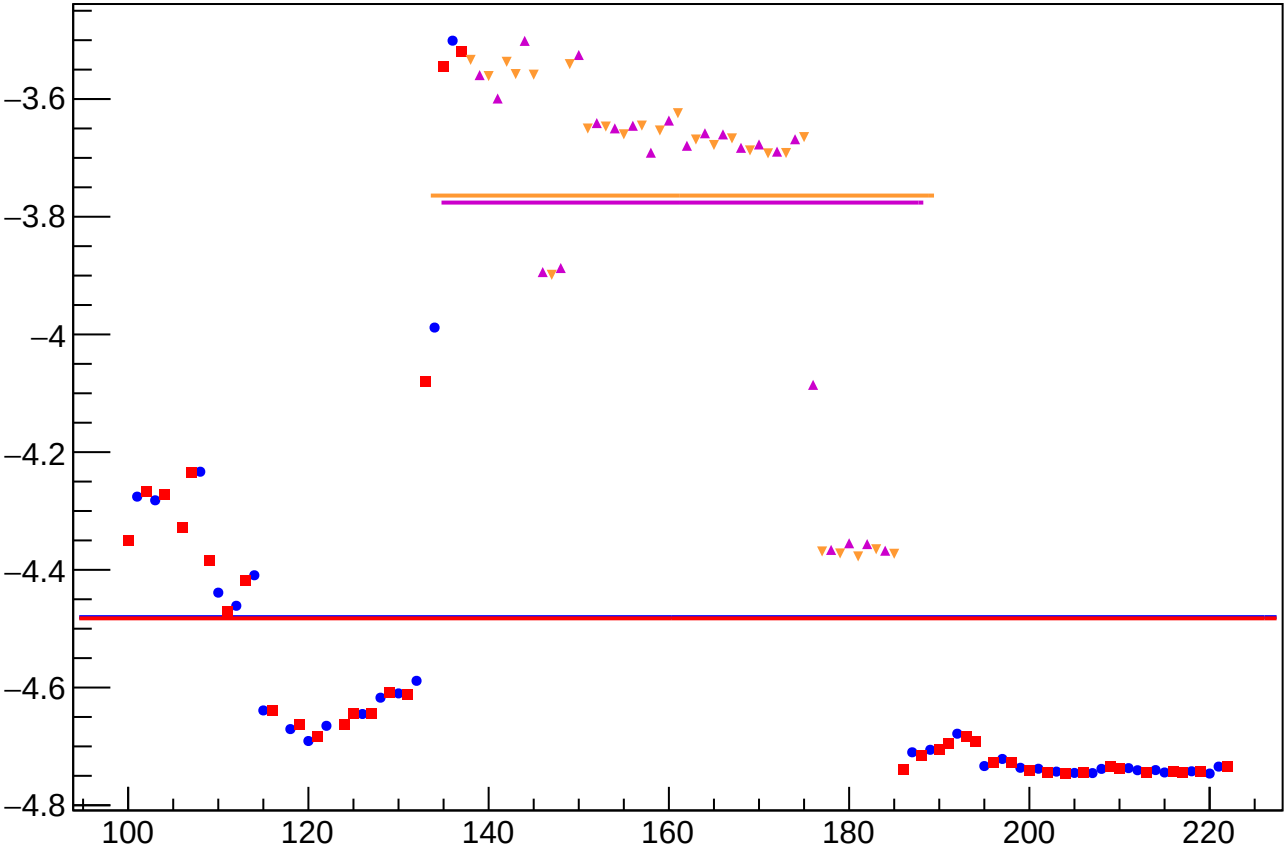
Right: 0.002+/-0.000 χ^2/NDF: 23860960.4/71

In: 0.002+/-0.000 χ^2/NDF:13007732.2/56

Out: 0.002+/-0.000 χ^2/NDF:13138164.4/62

All: 0.002+/-0.000 χ^2/NDF: 26155341.2/119

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.480+/-0.000 χ^2/NDF: 462529307168.1/33

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.482+/-0.000 χ^2/NDF: 407502413197.6/37

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

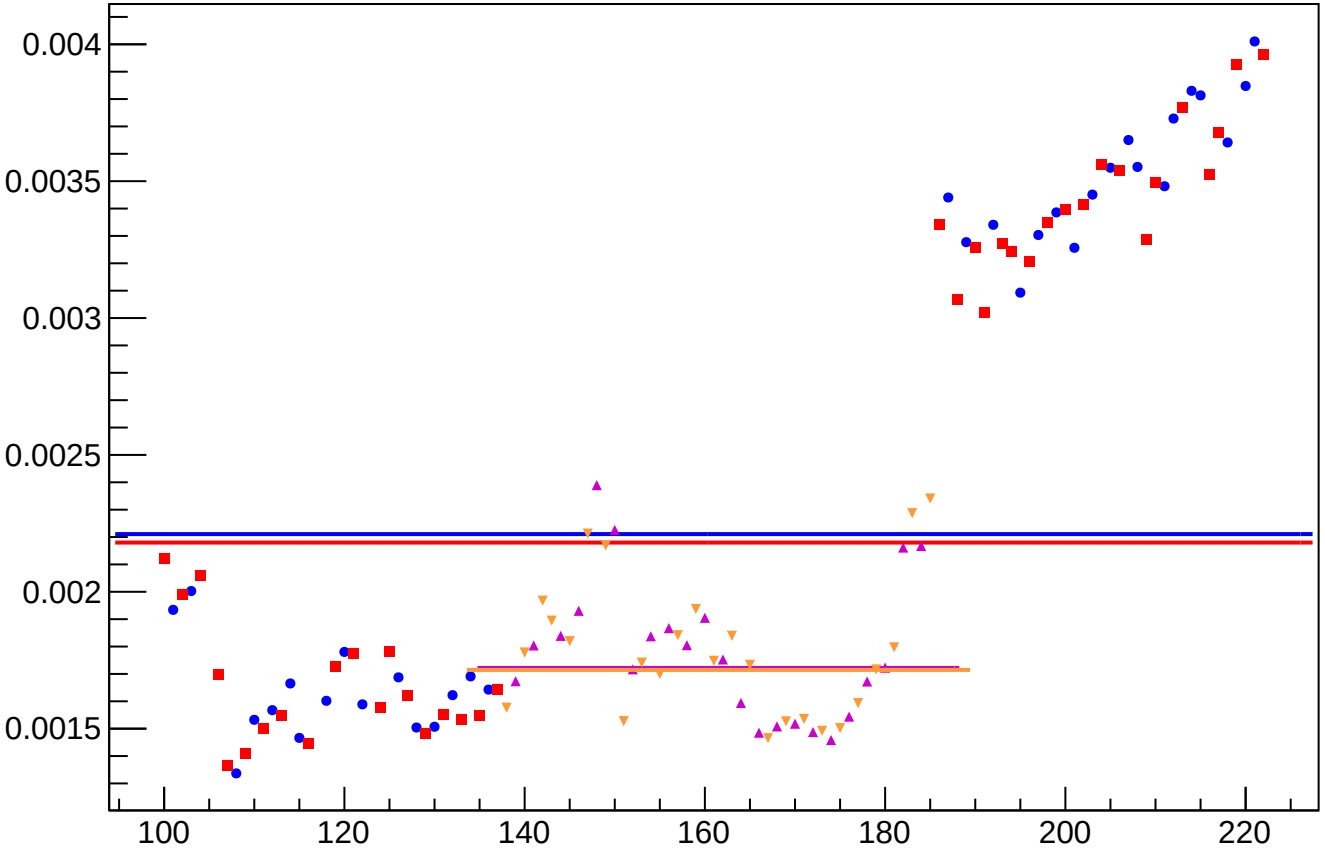
Right: -4.481+/-0.000 χ^2/NDF: 870039822332.0/71

In: -4.051+/-0.000 χ^2/NDF:2014113093773.2/56

Out: -4.043+/-0.000 χ^2/NDF:2154365794649.6/62

All: -4.047+/-0.000 χ^2/NDF: 4168822430576

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: 6035409.2/37

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

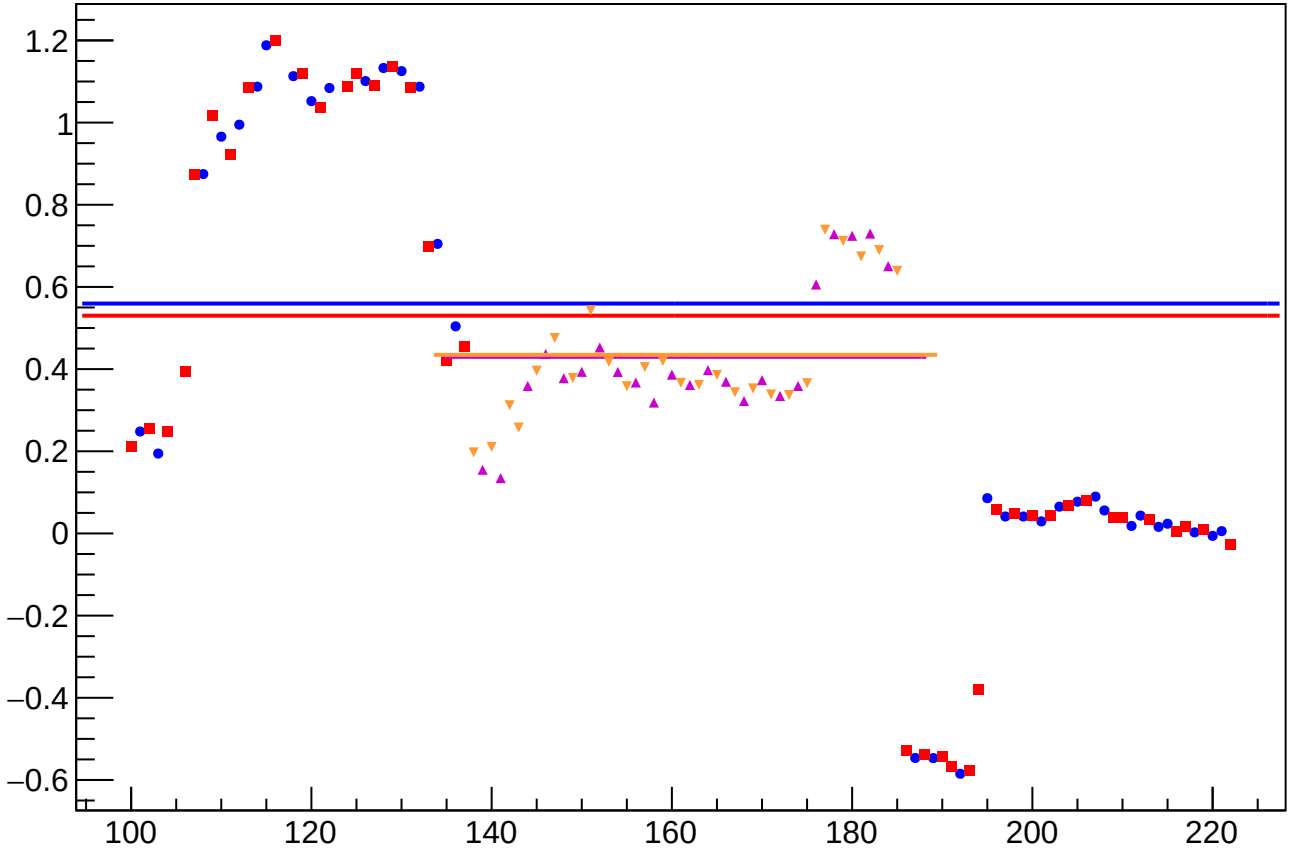
Right: 0.002+/-0.000 χ^2/NDF: 12195368.6/71

In: 0.002+/-0.000 χ^2/NDF:7846442.0/56

Out: 0.002+/-0.000 χ^2/NDF:7657547.9/62

All: 0.002+/-0.000 χ^2/NDF: 15507084.7/119

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: 0.530+/-0.000 χ^2/NDF: 97530986386.6/37

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

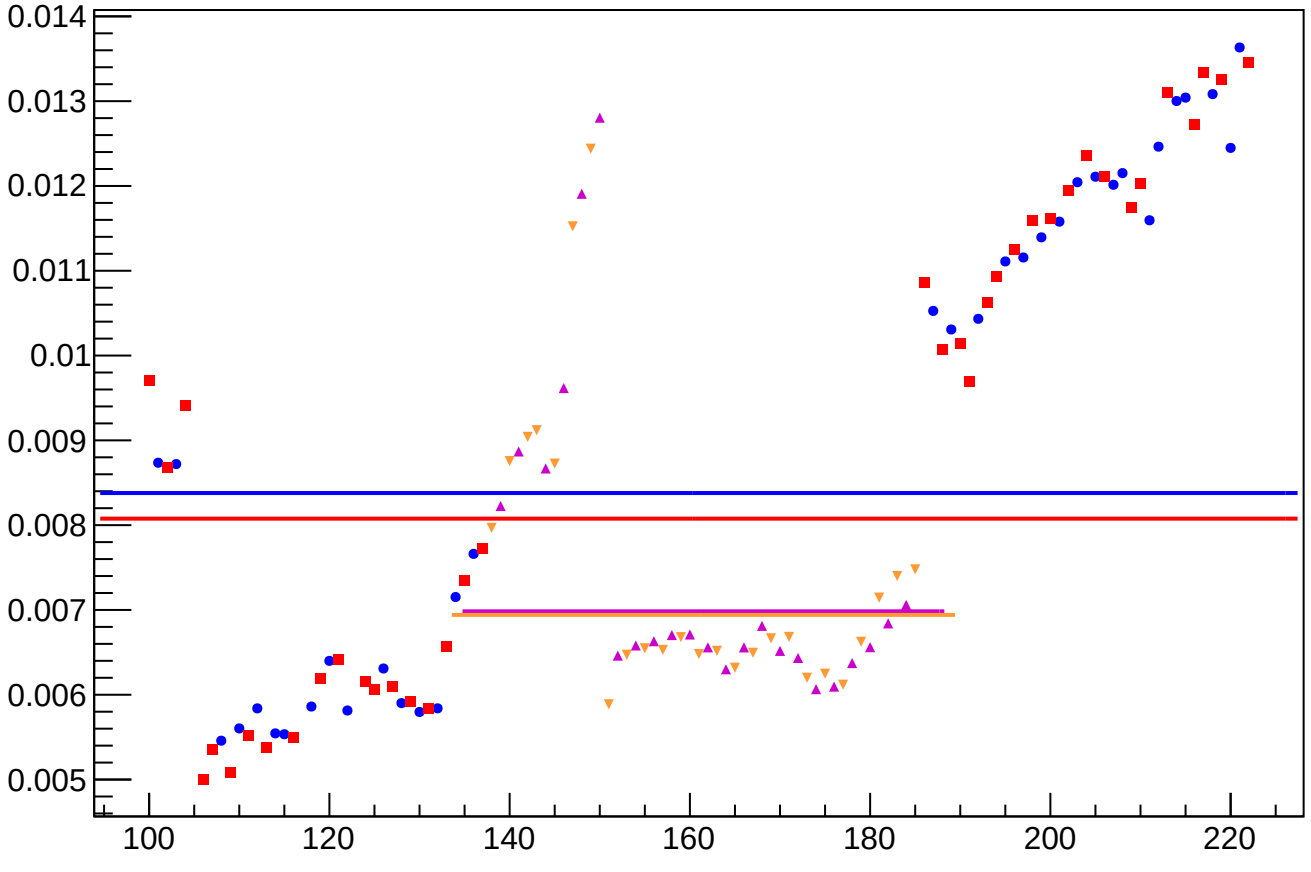
Right: 0.544+/-0.000 χ^2/NDF: 178702396464.4/71

In: 0.486+/-0.000 χ^2/NDF:92738628880.6/56

Out: 0.476+/-0.000 χ^2/NDF:107589595910.2/62

All: 0.481+/-0.000 χ^2/NDF: 200360801966.1

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: 5019545.8/37

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

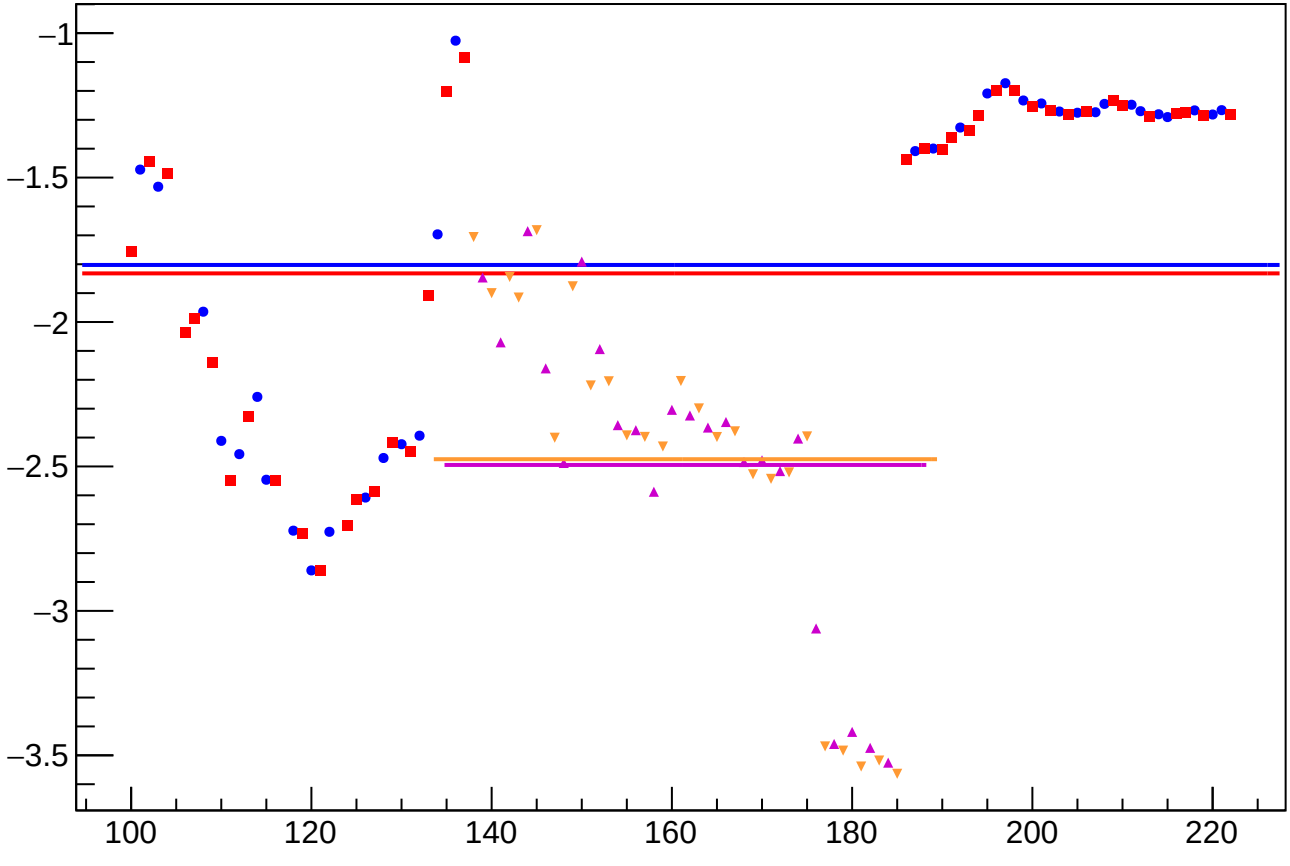
Right: 0.008+/-0.000 χ^2/NDF: 9582081.9/71

In: 0.008+/-0.000 χ^2/NDF:6286719.6/56

Out: 0.007+/-0.000 χ^2/NDF:6548360.5/62

All: 0.008+/-0.000 χ^2/NDF: 12850540.9/119

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: -1.832+/-0.000 χ^2/NDF: 124035578616.2/37

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

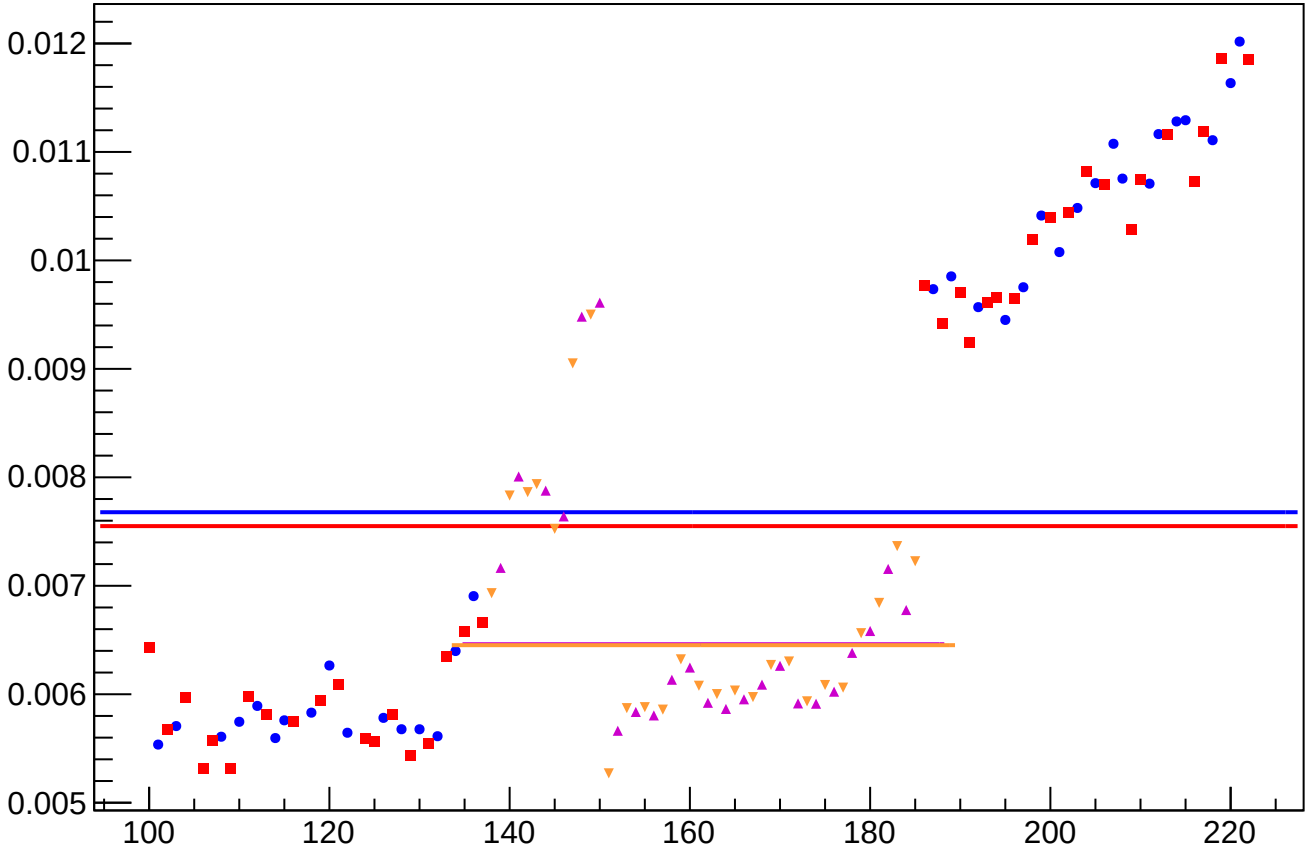
Right: -1.817+/-0.000 χ^2/NDF: 251387344791.5/71

In: -2.188+/-0.000 χ^2/NDF:315046423651.9/56

Out: -2.191+/-0.000 χ^2/NDF:330020695057.3/62

All: -2.190+/-0.000 χ^2/NDF: 645069962428.1

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3814415.3/33

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3765526.6/37

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

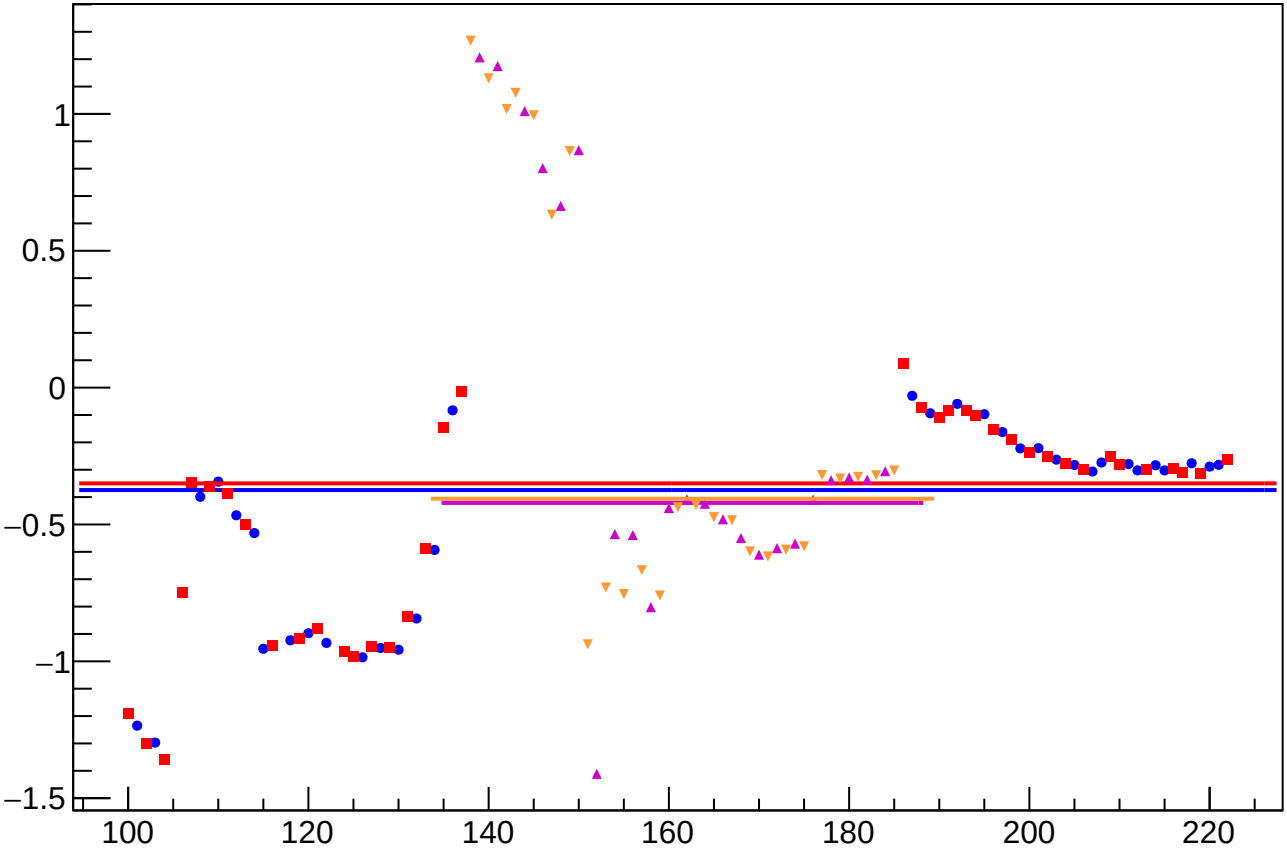
Right: 0.008+/-0.000 χ^2/NDF: 7585687.3/71

In: 0.007+/-0.000 χ^2/NDF:5097774.3/56

Out: 0.007+/-0.000 χ^2/NDF:4962360.1/62

All: 0.007+/-0.000 χ^2/NDF: 10063292.7/119

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: -0.350+/-0.000 χ^2/NDF: 27440609528.6/37

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

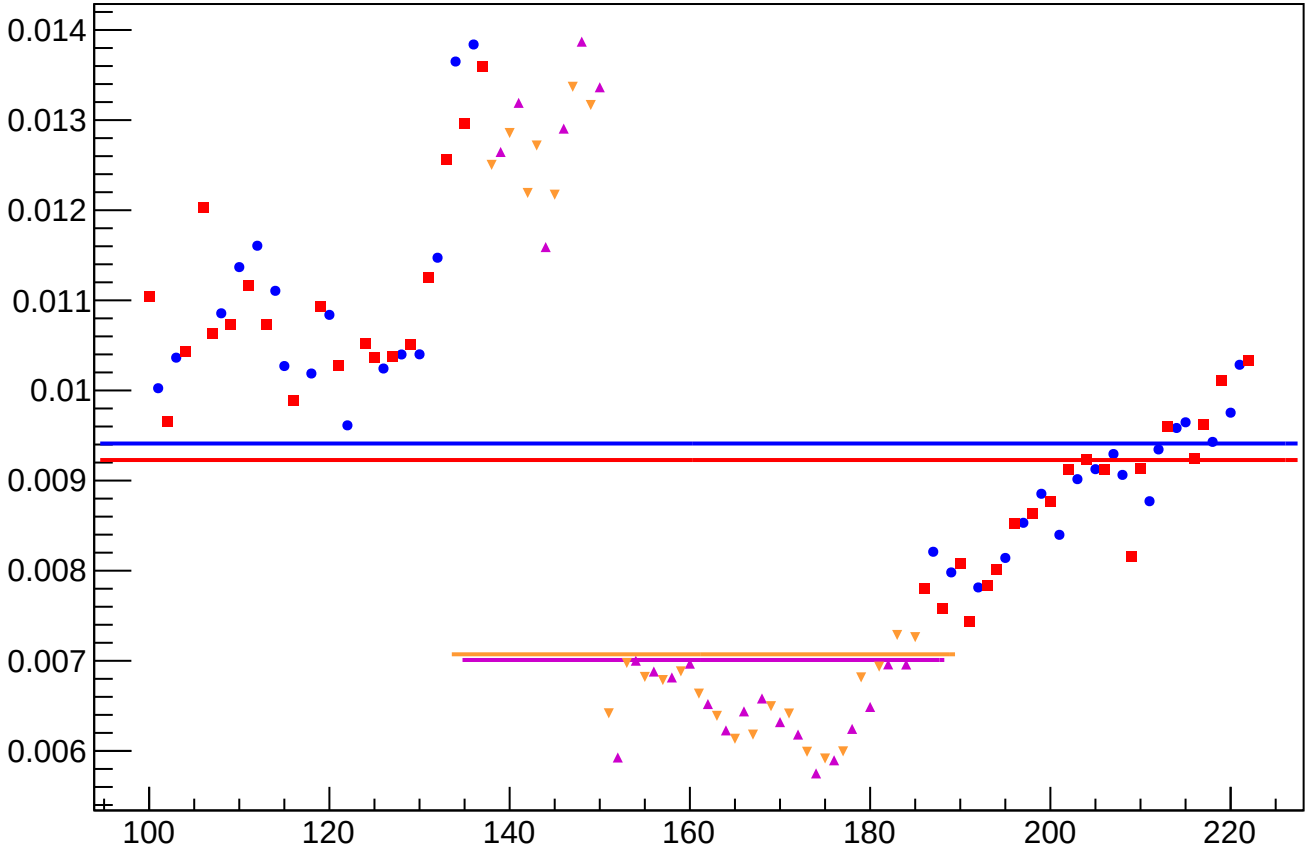
Right: -0.362+/-0.000 χ^2/NDF: 52449904199.7/71

In: -0.402+/-0.000 χ^2/NDF:115489456005.8/56

Out: -0.383+/-0.000 χ^2/NDF:109539466441.6/62

All: -0.392+/-0.000 χ^2/NDF: 225137611637.

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: 743165.9/37

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

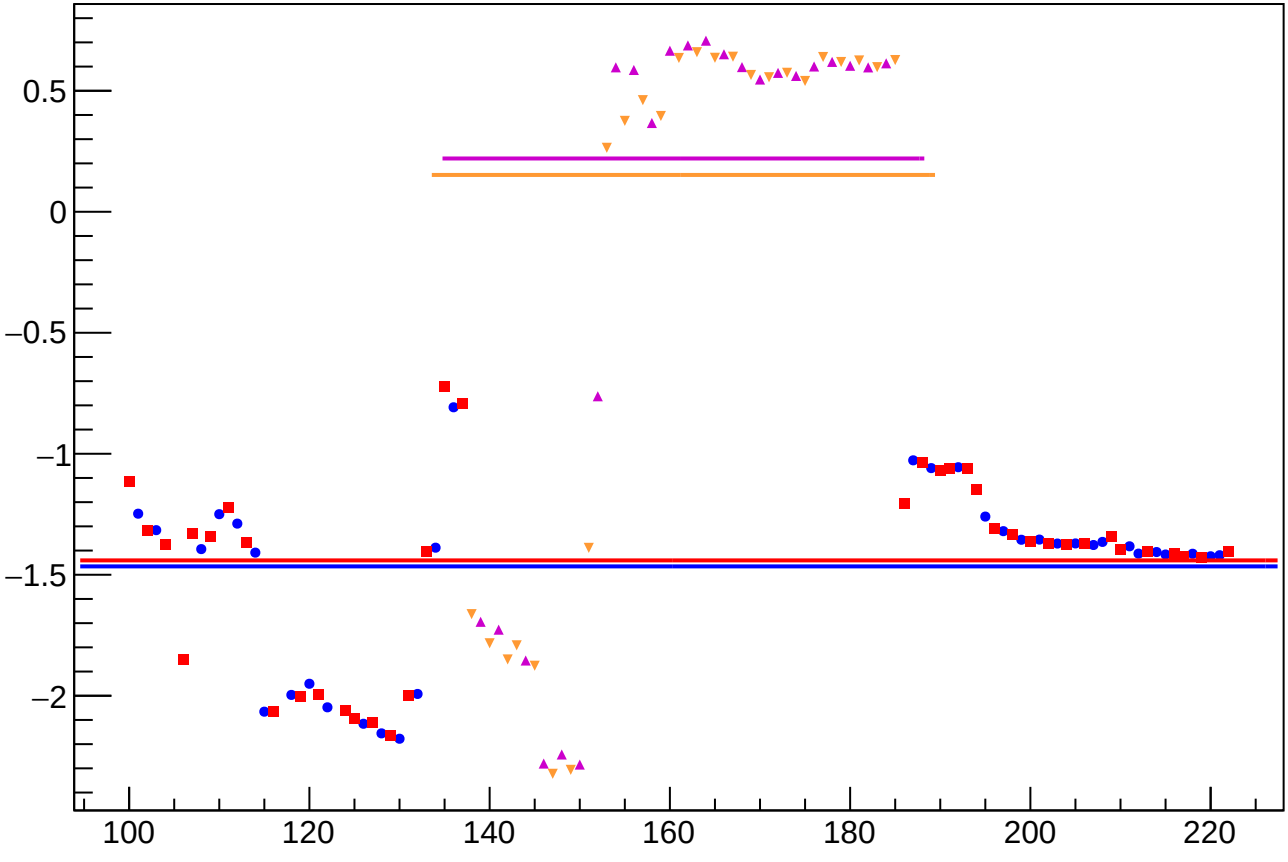
Right: 0.009+/-0.000 χ^2/NDF: 1407957.1/71

In: 0.008+/-0.000 χ^2/NDF:4744240.3/56

Out: 0.008+/-0.000 χ^2/NDF:4502220.3/62

All: 0.008+/-0.000 χ^2/NDF: 9247158.8/119

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: 172752064453.1/37

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

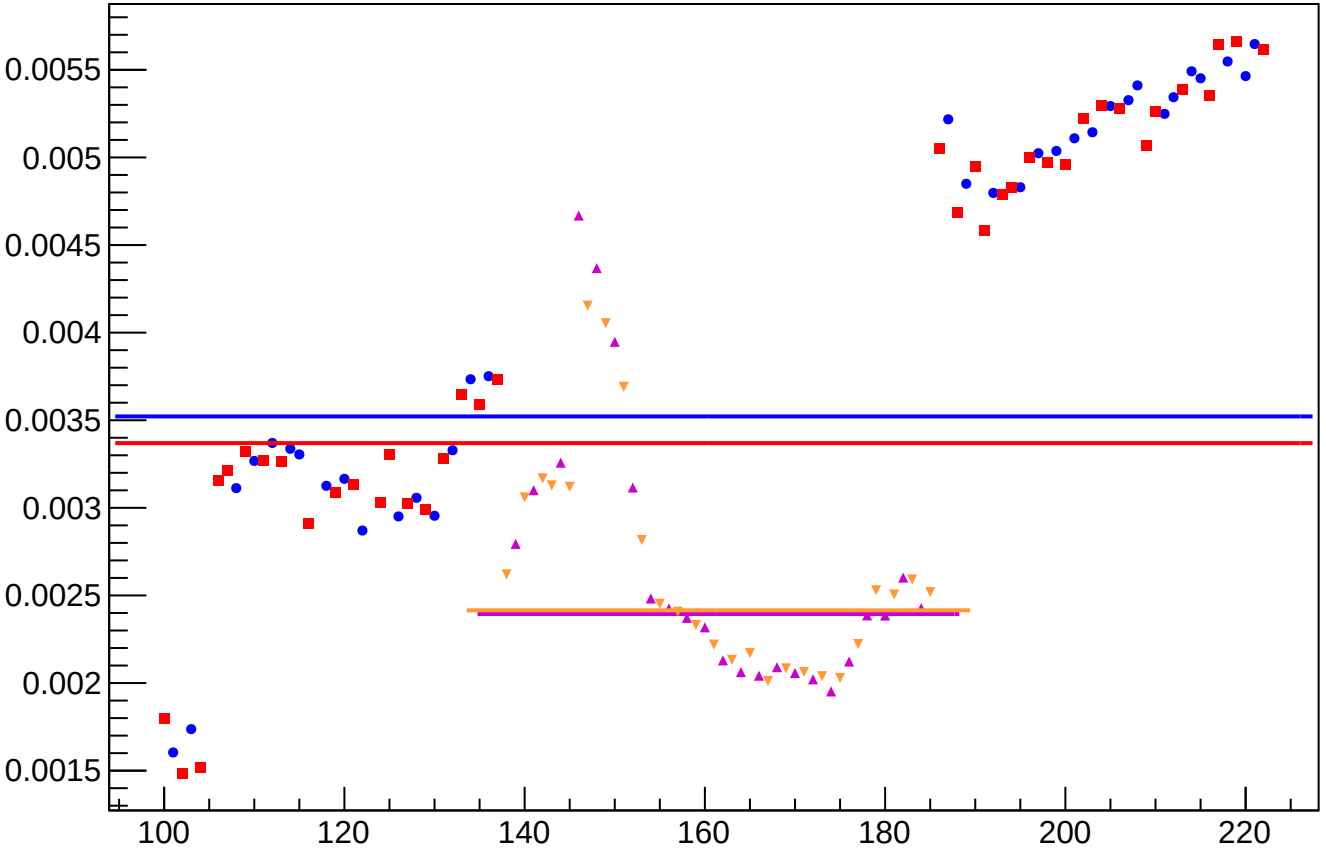
Right: -1.453+/-0.000 χ^2/NDF: 357321656396.7/71

In: -0.358+/-0.000 χ^2/NDF:5024309287974.1/56

Out: -0.403+/-0.000 χ^2/NDF:5161594402277.4/62

All: -0.381+/-0.000 χ^2/NDF: 1019037142588

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: 6937300.8/37

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

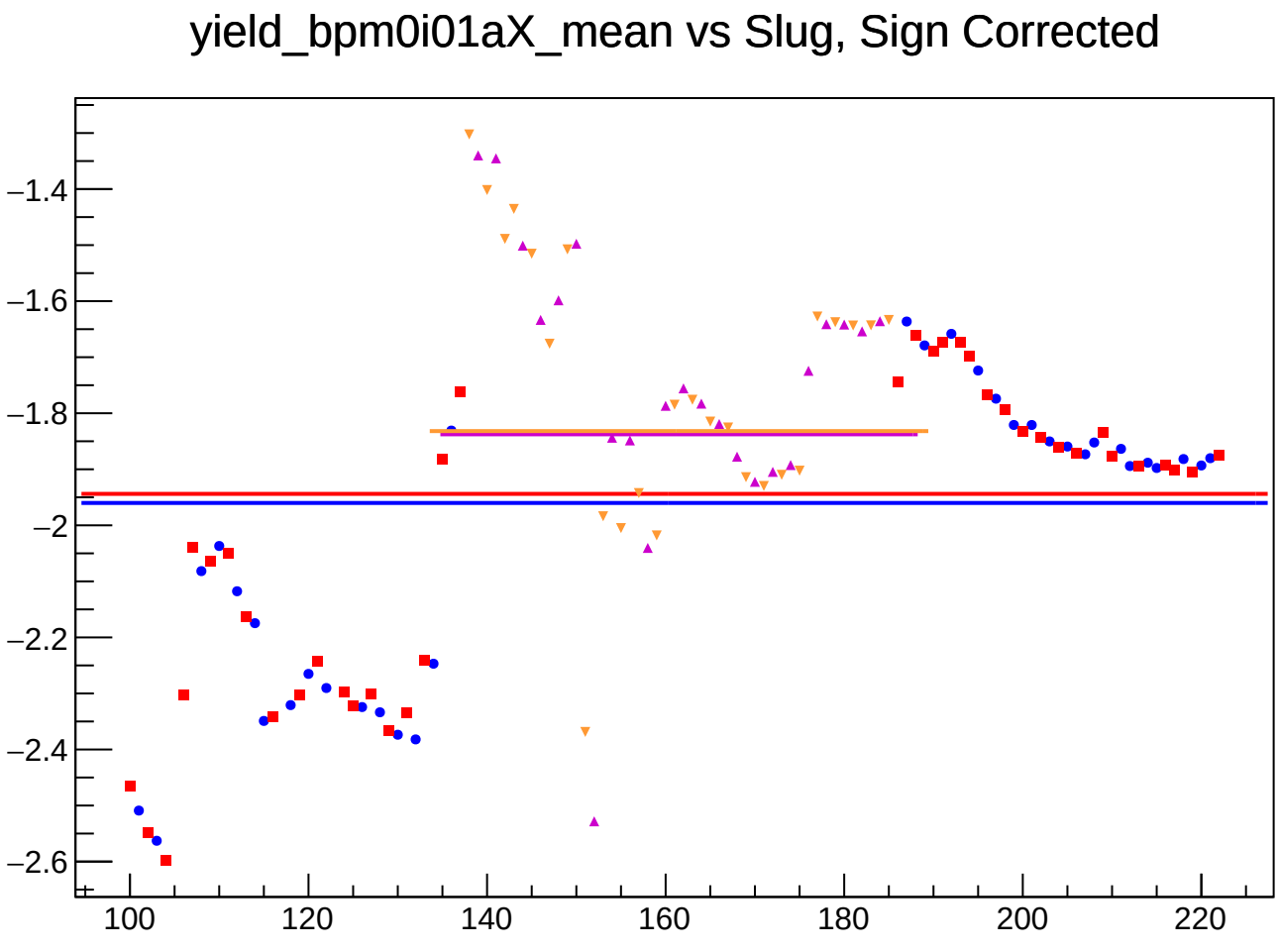
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 13014434.7/71

In: 0.003+/-0.000 χ^2/NDF:9885284.1/56

Out: 0.003+/-0.000 χ^2/NDF:10017298.9/62

All: 0.003+/-0.000 χ^2/NDF: 19907326.3/119



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: -1.944+/-0.000 χ^2/NDF: 38229989769.2/37

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

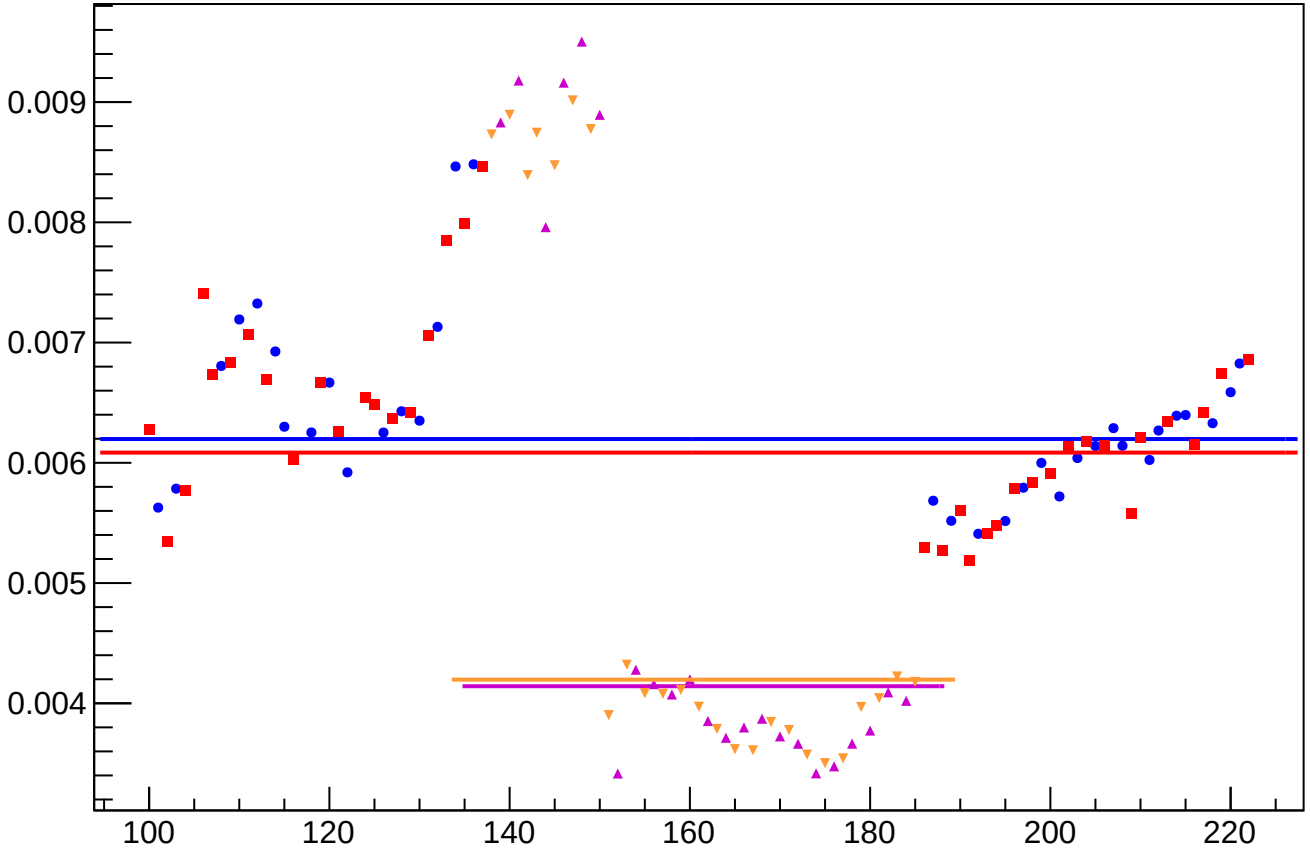
Right: -1.952+/-0.000 χ^2/NDF: 72848169900.9/71

In: -1.883+/-0.000 χ^2/NDF:93222825570.6/56

Out: -1.874+/-0.000 χ^2/NDF:81176080816.1/62

All: -1.878+/-0.000 χ^2/NDF: 174465022210.8

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: 444411.7/37

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

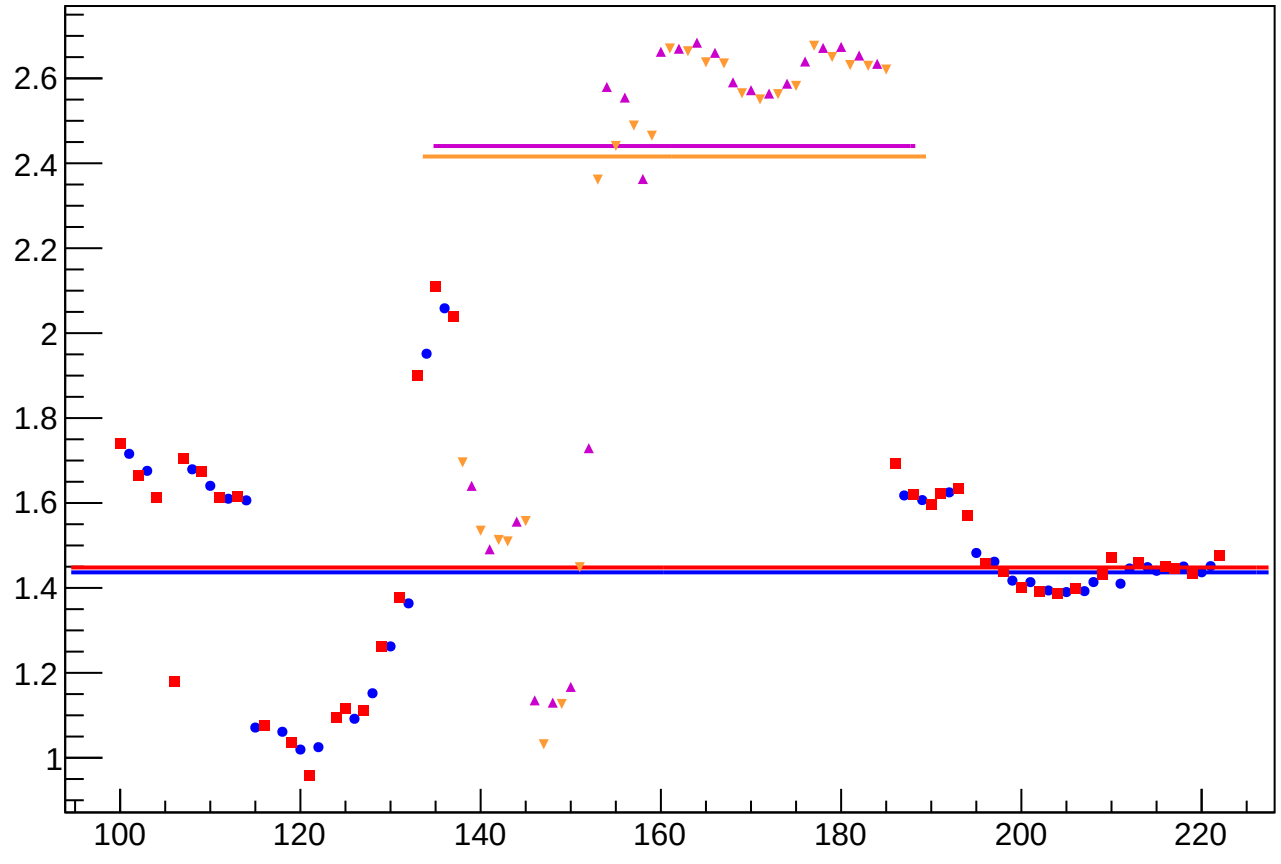
Right: 0.006+/-0.000 χ^2/NDF: 851985.4/71

In: 0.005+/-0.000 χ^2/NDF:6547474.6/56

Out: 0.005+/-0.000 χ^2/NDF:6140205.1/62

All: 0.005+/-0.000 χ^2/NDF: 12687686.9/119

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.437+/-0.000 χ^2/NDF: 191516108593.5/33

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186672191816.7/37

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

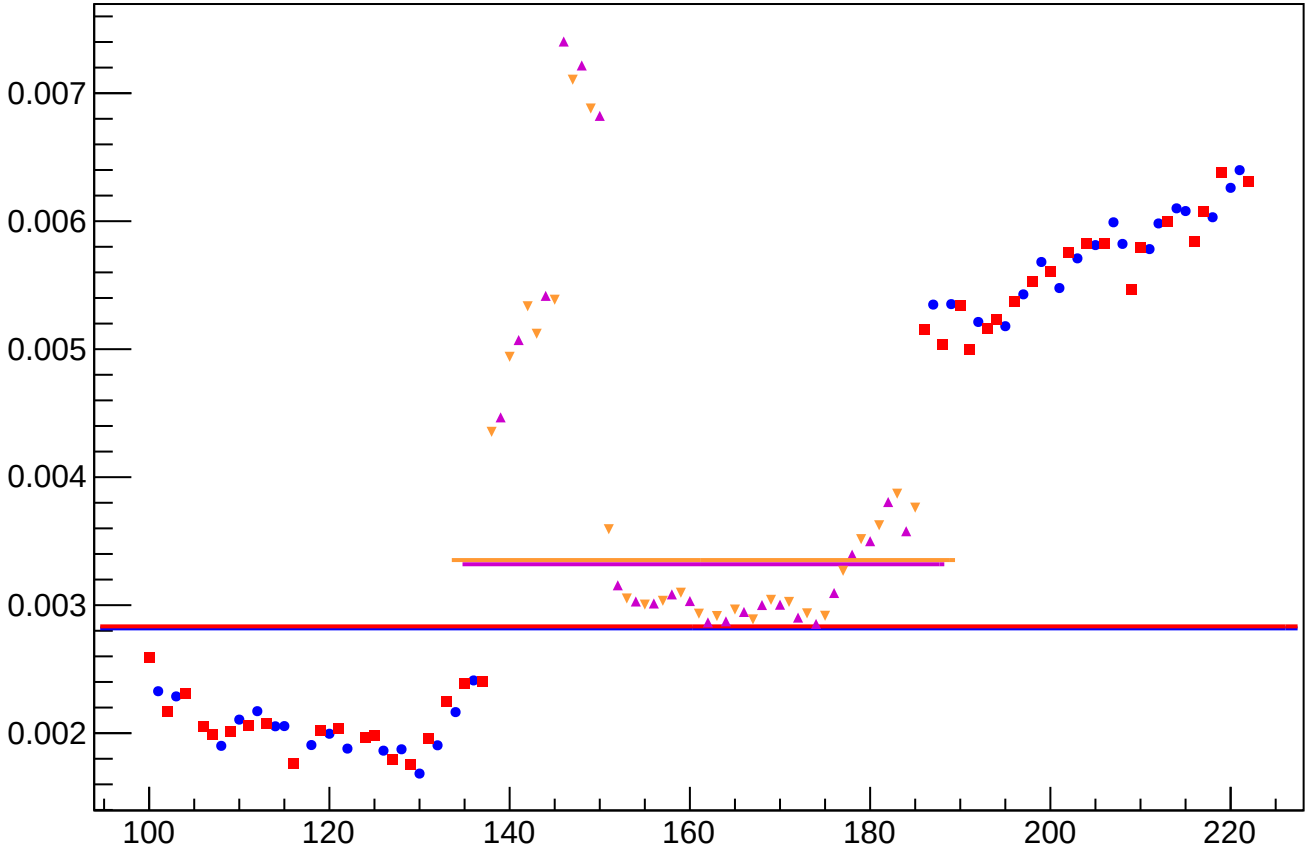
Right: 1.442+/-0.000 χ^2/NDF: 378326995699.6/71

In: 1.856+/-0.000 χ^2/NDF:1293540661655.9/56

Out: 1.860+/-0.000 χ^2/NDF:1265539029667.0/62

All: 1.858+/-0.000 χ^2/NDF: 2559107291126.

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: 9550934.2/37

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

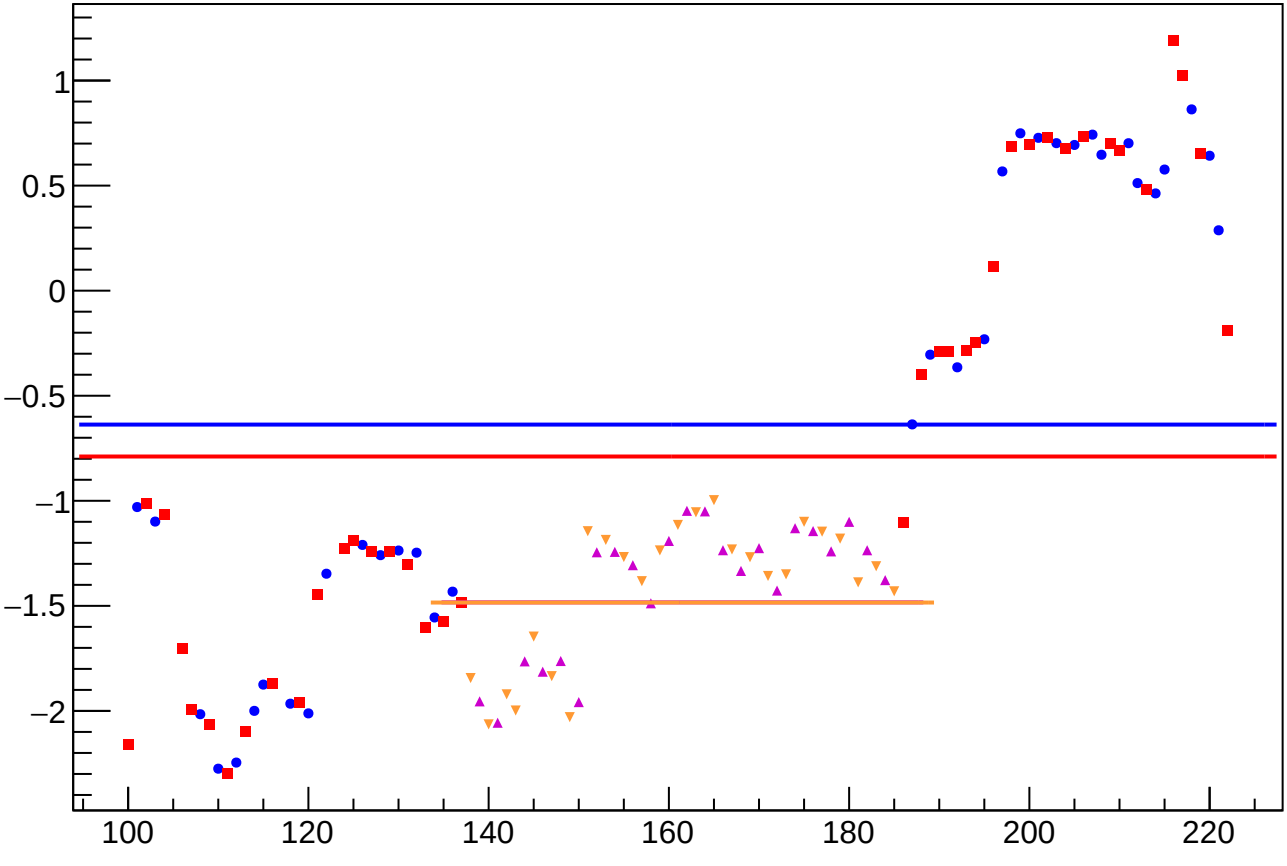
Right: 0.003+/-0.000 χ^2/NDF: 19496997.4/71

In: 0.003+/-0.000 χ^2/NDF:12434468.8/56

Out: 0.003+/-0.000 χ^2/NDF:11849876.3/62

All: 0.003+/-0.000 χ^2/NDF: 24286926.7/119

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: -0.789+/-0.000 χ^2/NDF: 315884067007.2/37

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

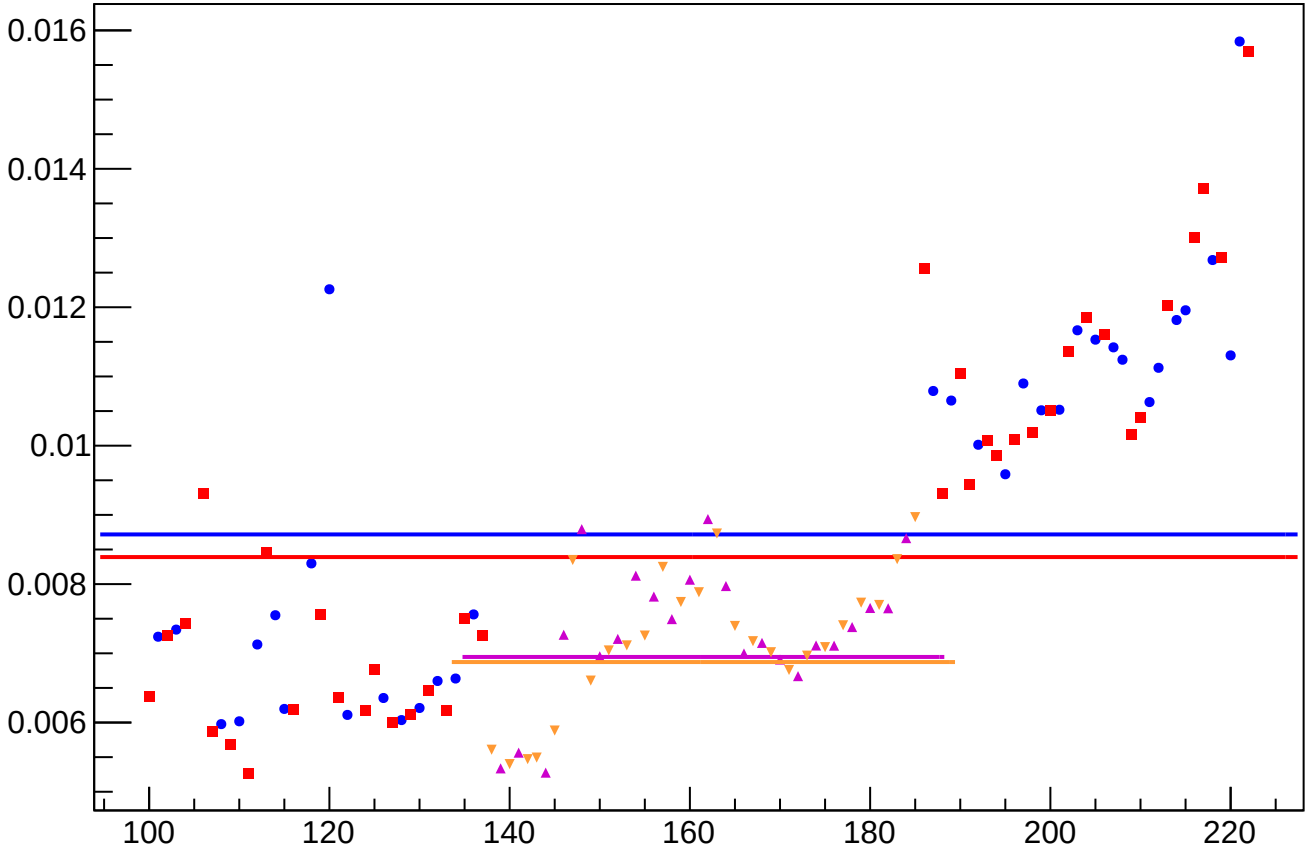
Right: -0.717+/-0.000 χ^2/NDF: 597977824735.8/71

In: -1.128+/-0.000 χ^2/NDF:425380274033.4/56

Out: -1.191+/-0.000 χ^2/NDF:442381101170.5/62

All: -1.161+/-0.000 χ^2/NDF: 869023974504.2

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: 3426665.1/37

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

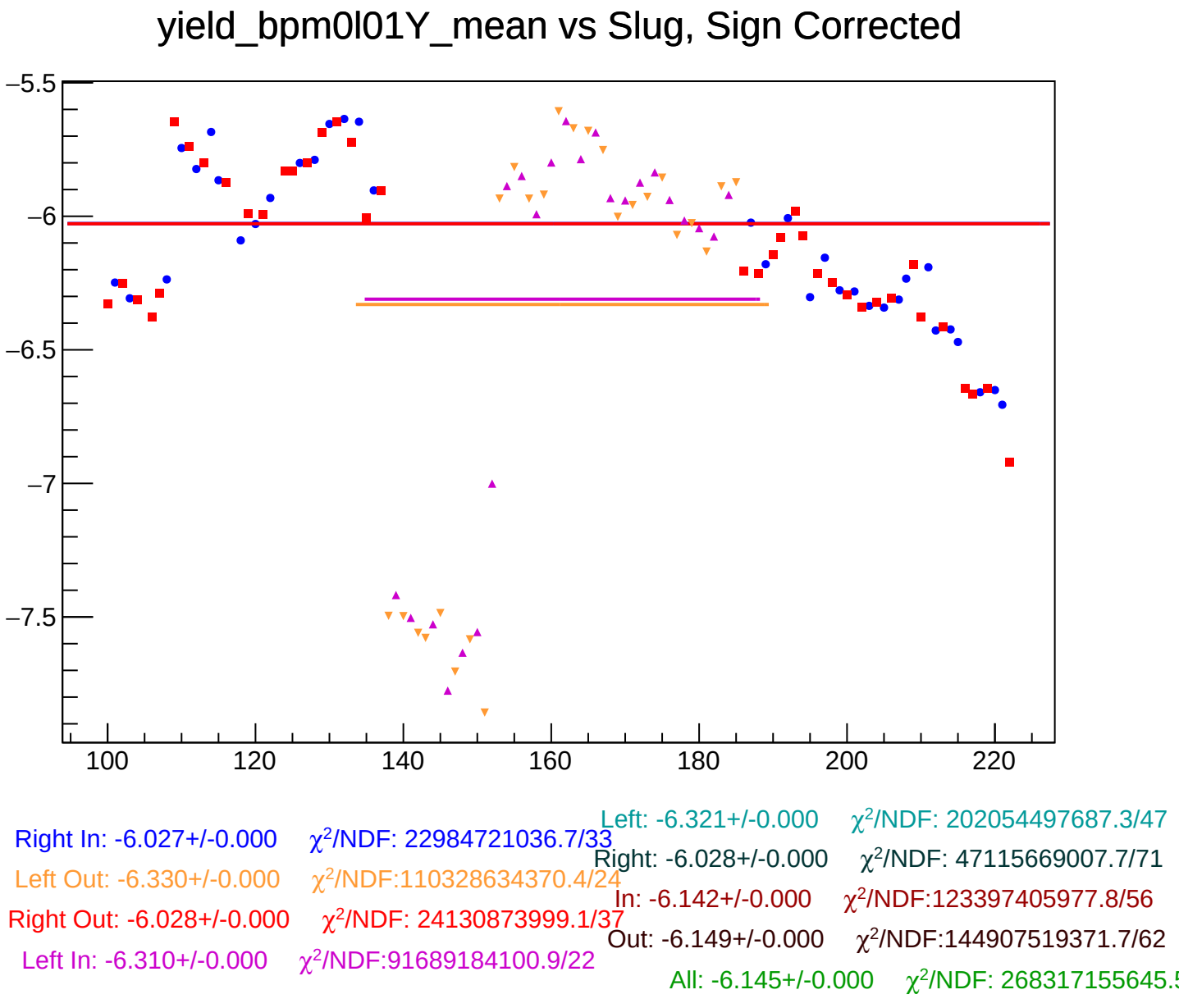
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.009+/-0.000 χ^2/NDF: 6419264.8/71

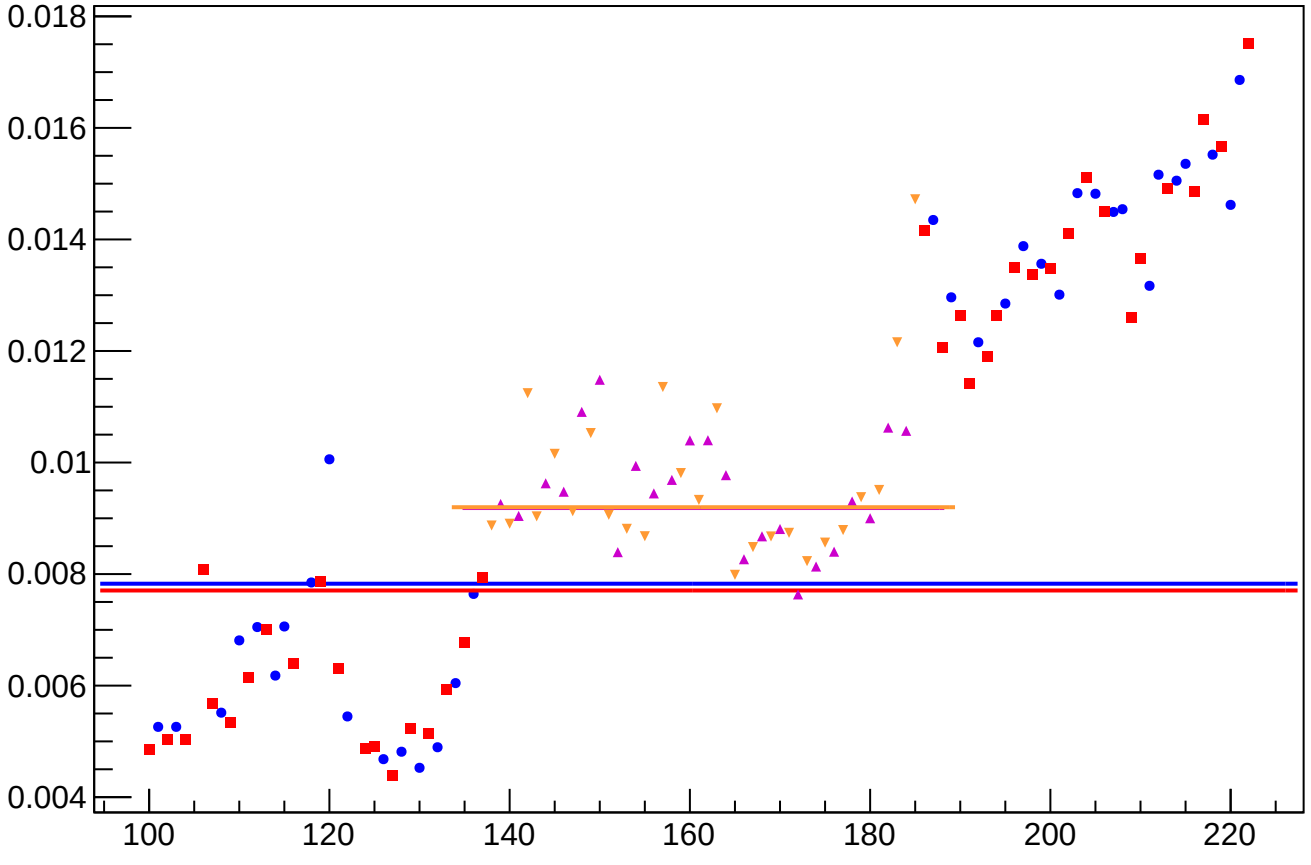
In: 0.008+/-0.000 χ^2/NDF:4639018.4/56

Out: 0.008+/-0.000 χ^2/NDF:4915843.0/62

All: 0.008+/-0.000 χ^2/NDF: 9574833.7/119


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
120
140
160
180
200
220
Right In: -6.027+/-0.000 χ²/NDF: 22984721036.7/33
Left Out: -6.330+/-0.000 χ²/NDF:110328634370.4/24
Right Out: -6.028+/-0.000 χ²/NDF: 24130873999.1/37
Left In: -6.310+/-0.000 χ²/NDF:91689184100.9/22
Left: -6.321+/-0.000 χ²/NDF: 202054497687.3/47
Right: -6.028+/-0.000 χ²/NDF: 47115669007.7/71
In: -6.142+/-0.000 χ²/NDF:123397405977.8/56
Out: -6.149+/-0.000 χ²/NDF:144907519371.7/62
All: -6.145+/-0.000 χ²/NDF: 268317155645.5

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: 8105886.6/37

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

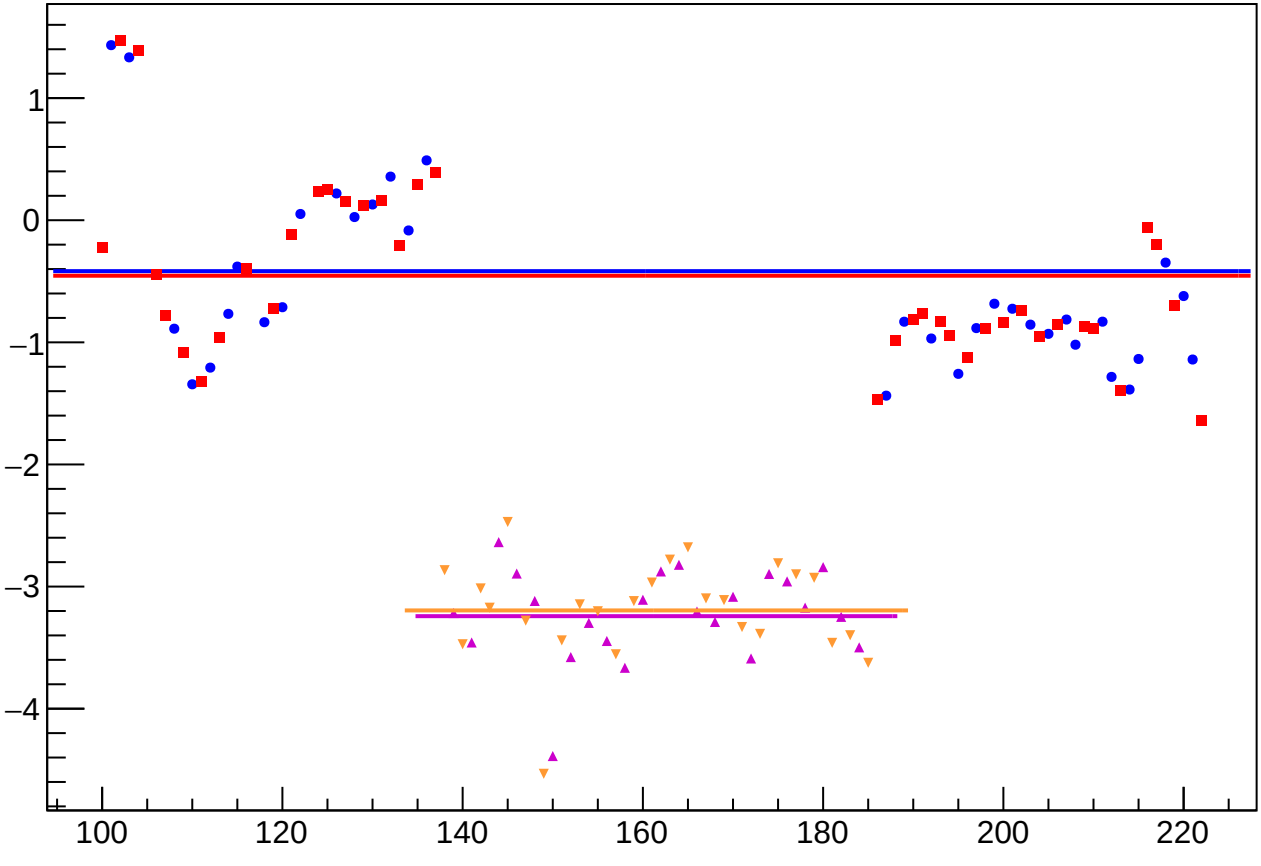
Right: 0.008+/-0.000 χ^2/NDF: 16498760.2/71

In: 0.008+/-0.000 χ^2/NDF:9108598.4/56

Out: 0.008+/-0.000 χ^2/NDF:8982703.7/62

All: 0.008+/-0.000 χ^2/NDF: 18093729.2/119

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: -0.454+/-0.000 χ^2/NDF: 40690236800.0/37

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

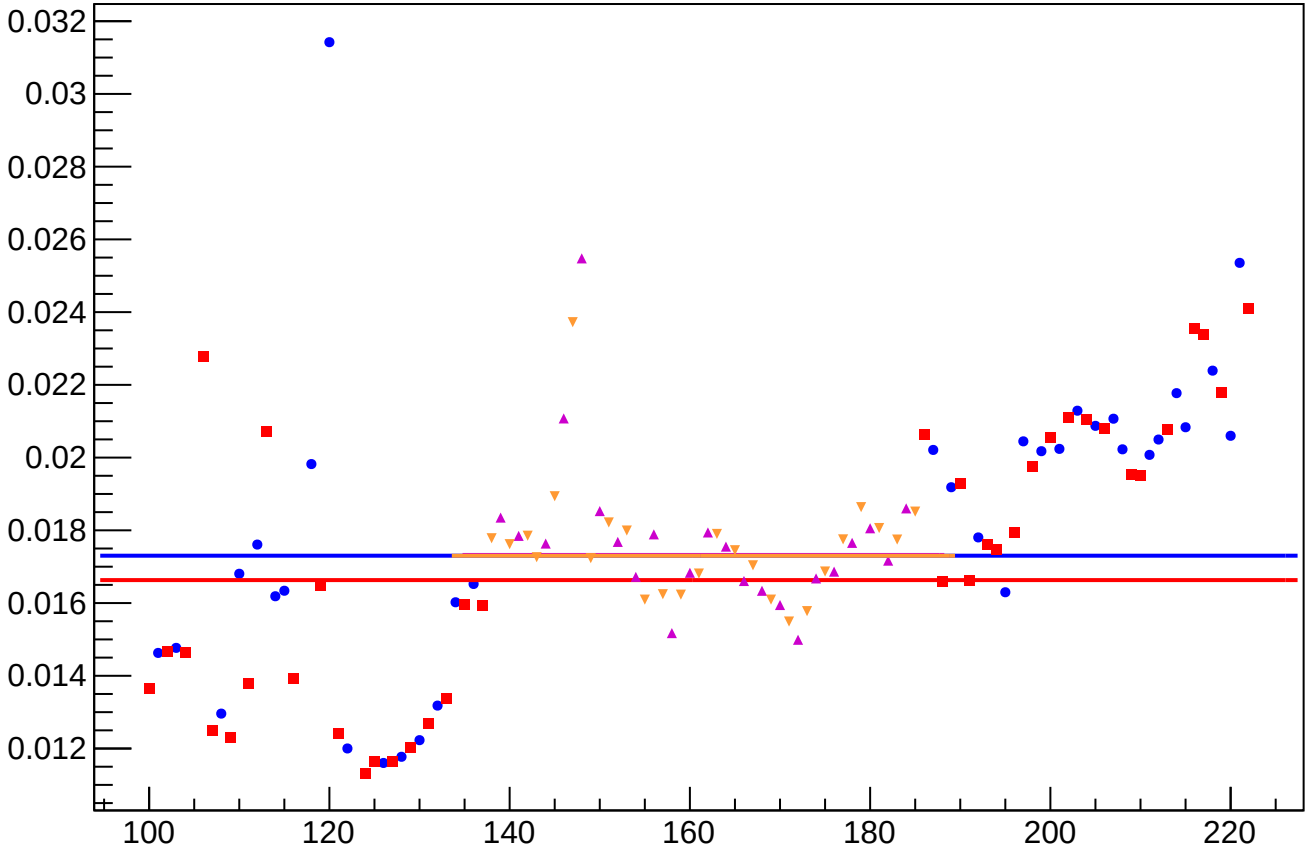
Right: -0.437+/-0.000 χ^2/NDF: 81420946224.1/71

In: -1.734+/-0.000 χ^2/NDF:297511243984.1/56

Out: -1.705+/-0.000 χ^2/NDF:303822875205.3/62

All: -1.719+/-0.000 χ^2/NDF: 601390649099.7

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1984238.4/33

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.017+/-0.000 χ^2/NDF: 2114312.6/37

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

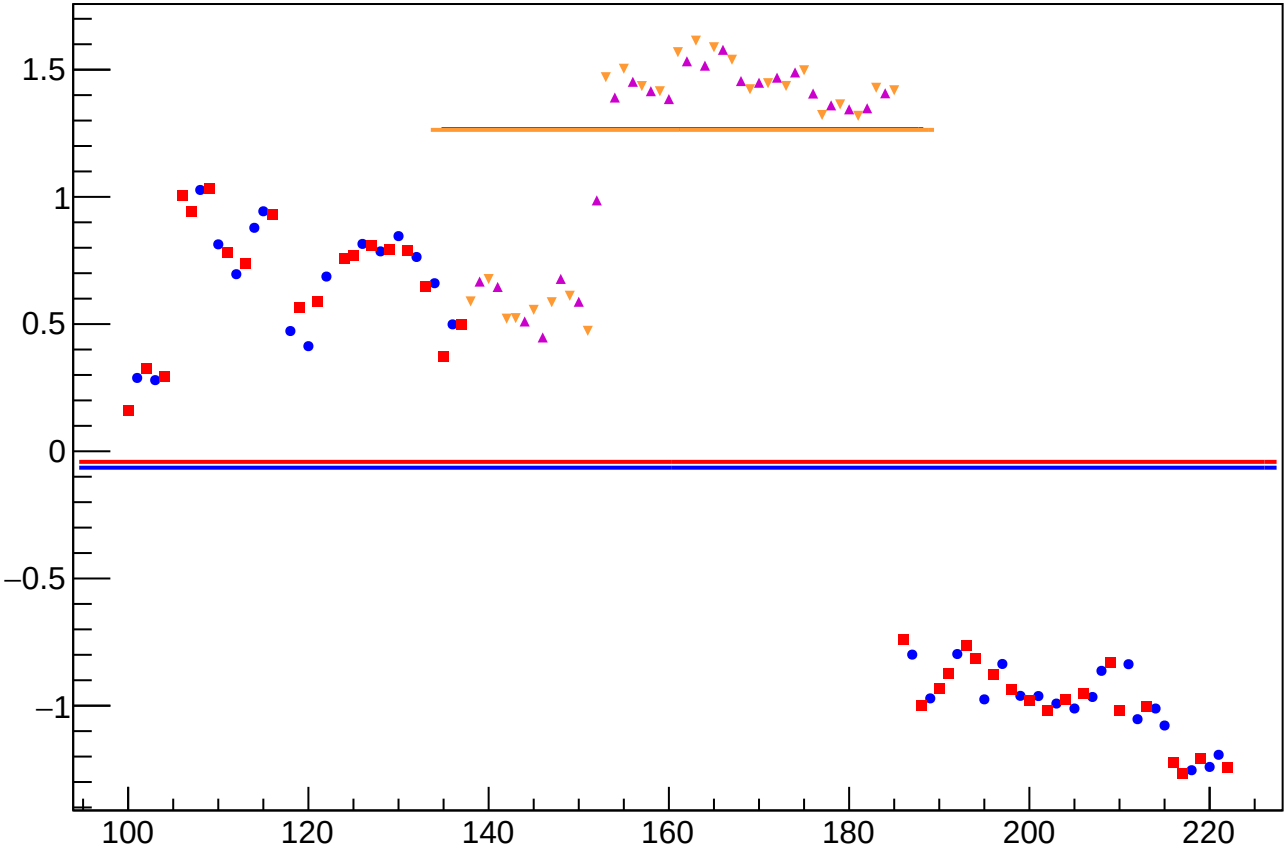
Right: 0.017+/-0.000 χ^2/NDF: 4130167.7/71

In: 0.017+/-0.000 χ^2/NDF:2314144.0/56

Out: 0.017+/-0.000 χ^2/NDF:2362617.3/62

All: 0.017+/-0.000 χ^2/NDF: 4695094.0/119

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: -0.042+/-0.000 χ^2/NDF: 117283517874.6/37

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

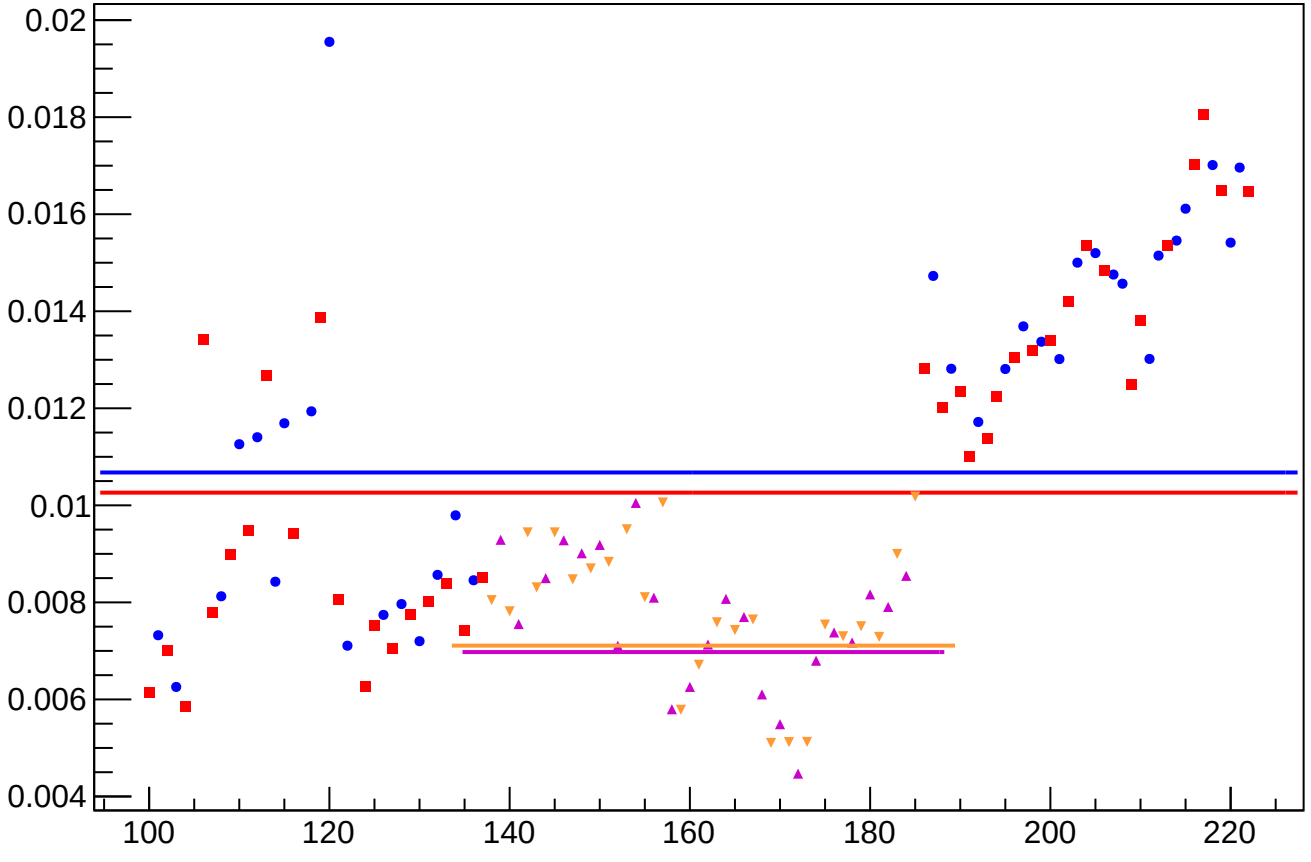
Right: -0.052+/-0.000 χ^2/NDF: 225789628452.3/71

In: 0.828+/-0.000 χ^2/NDF:341260219627.5/56

Out: 0.808+/-0.000 χ^2/NDF:362811972318.4/62

All: 0.818+/-0.000 χ^2/NDF: 704168551022.0

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: 4120319.7/37

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

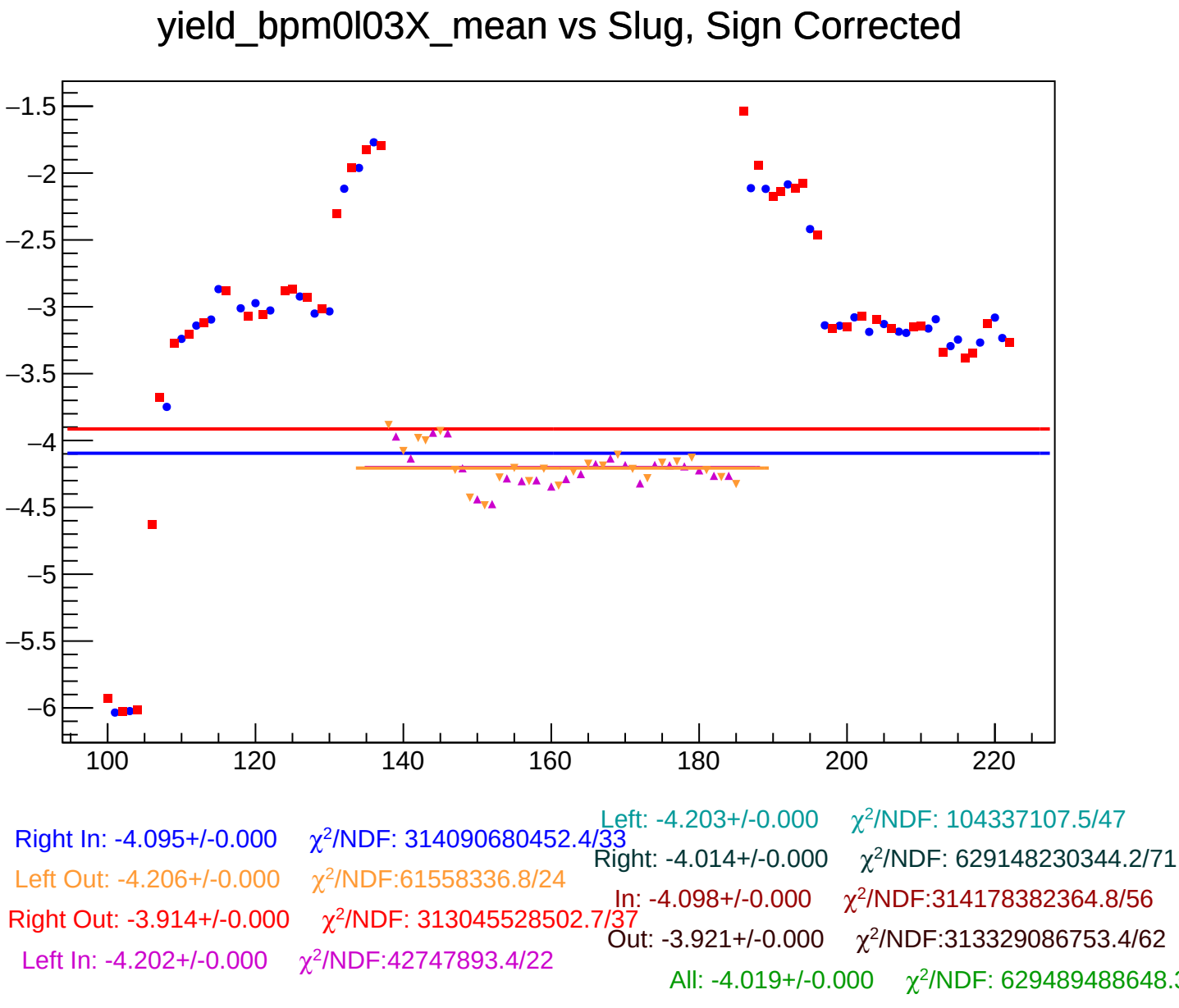
Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

Right: 0.010+/-0.000 χ^2/NDF: 8129387.4/71

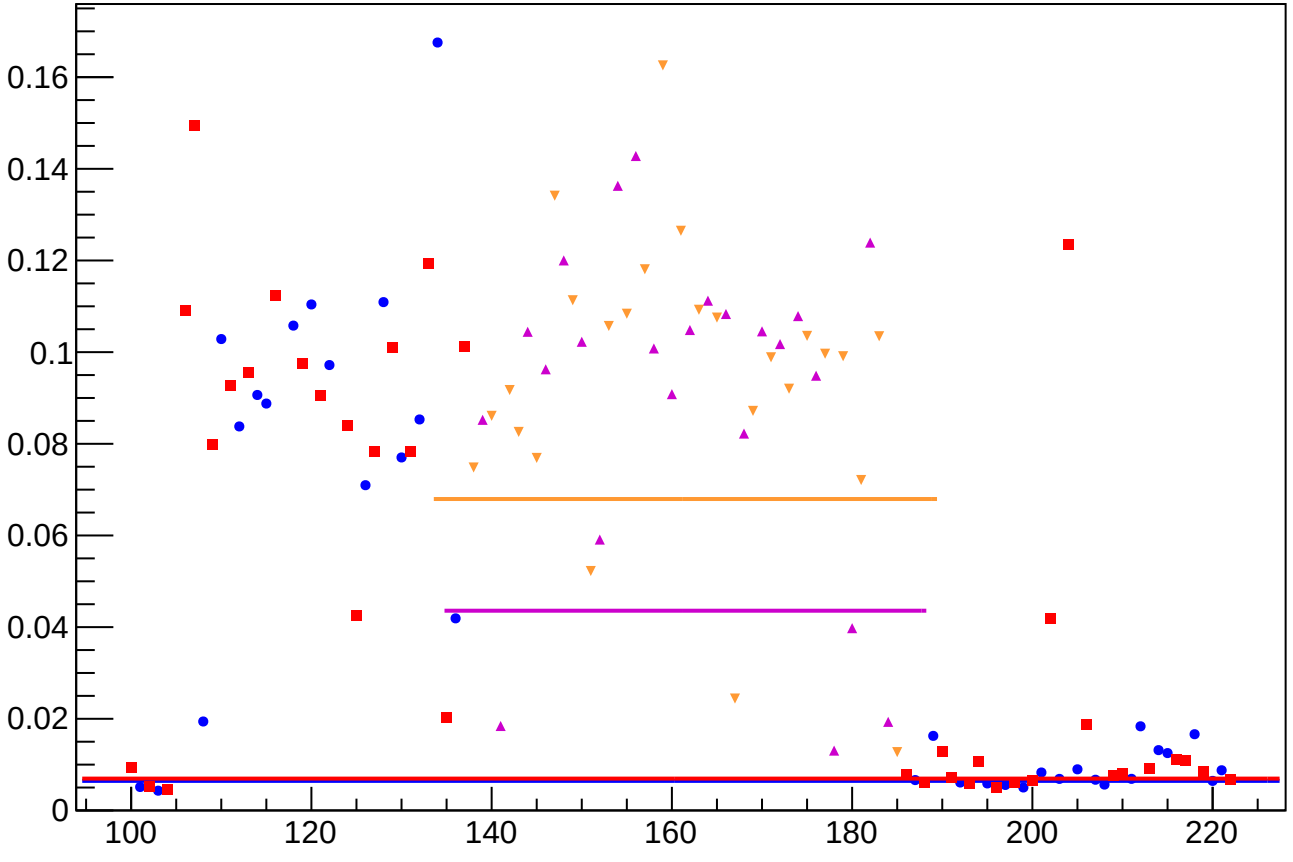
In: 0.008+/-0.000 χ^2/NDF:8453264.8/56

Out: 0.008+/-0.000 χ^2/NDF:7973347.5/62

All: 0.008+/-0.000 χ^2/NDF: 16426685.1/119


yield_bpm0l03X_mean vs Slug, Sign Corrected
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
120
140
160
180
200
220
Right In: -4.095+/-0.000 χ²/NDF: 314090680452.4/33
Left Out: -4.206+/-0.000 χ²/NDF:61558336.8/24
Right Out: -3.914+/-0.000 χ²/NDF: 313045528502.7/37
Left In: -4.202+/-0.000 χ²/NDF:42747893.4/22
Left: -4.203+/-0.000 χ²/NDF: 104337107.5/47
Right: -4.014+/-0.000 χ²/NDF: 629148230344.2/71
In: -4.098+/-0.000 χ²/NDF:314178382364.8/56
Out: -3.921+/-0.000 χ²/NDF:313329086753.4/62
All: -4.019+/-0.000 χ²/NDF: 629489488648.3

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: 10909240.0/37

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

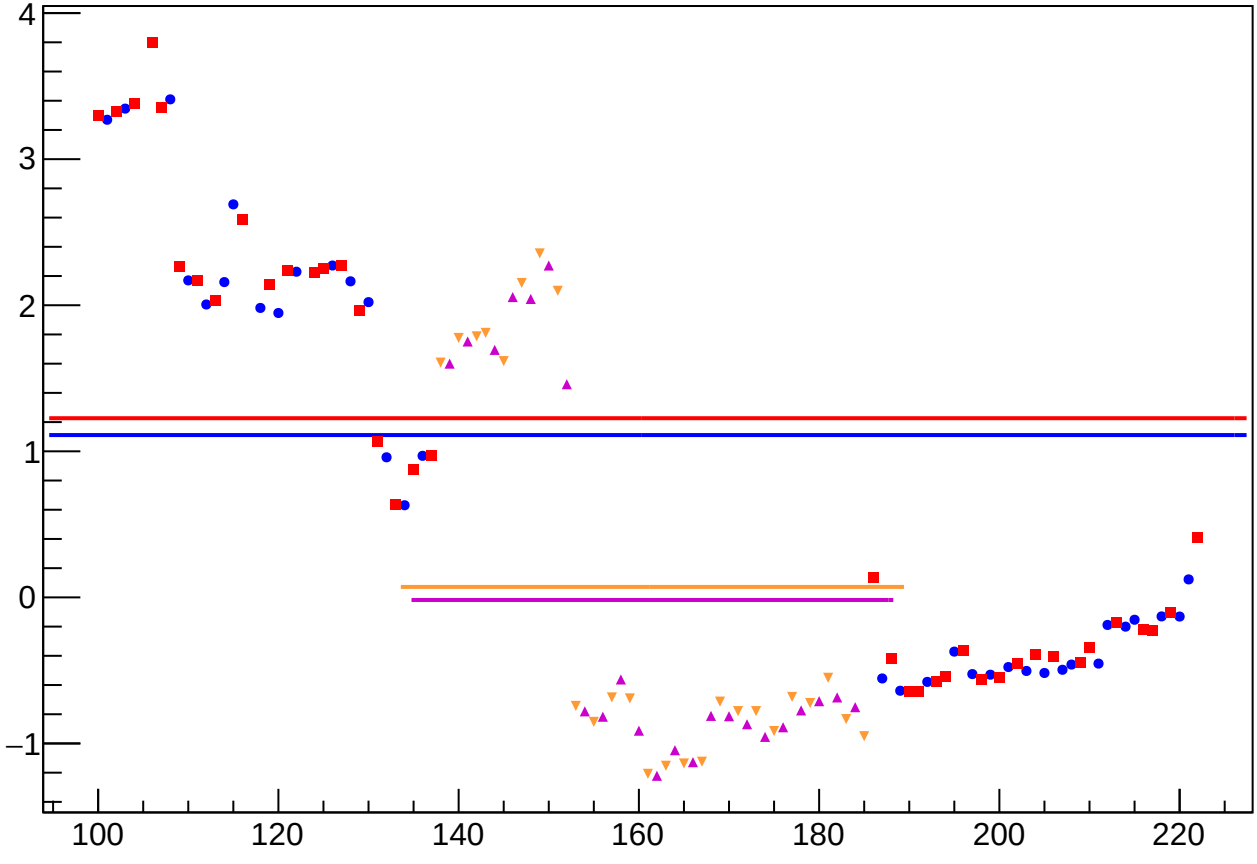
Right: 0.007+/-0.000 χ^2/NDF: 20599695.2/71

In: 0.008+/-0.000 χ^2/NDF:33372233.9/56

Out: 0.008+/-0.000 χ^2/NDF:37882136.7/62

All: 0.008+/-0.000 χ^2/NDF: 71341824.8/119

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: 1.227+/-0.000 χ^2/NDF: 225618303385.6/37

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

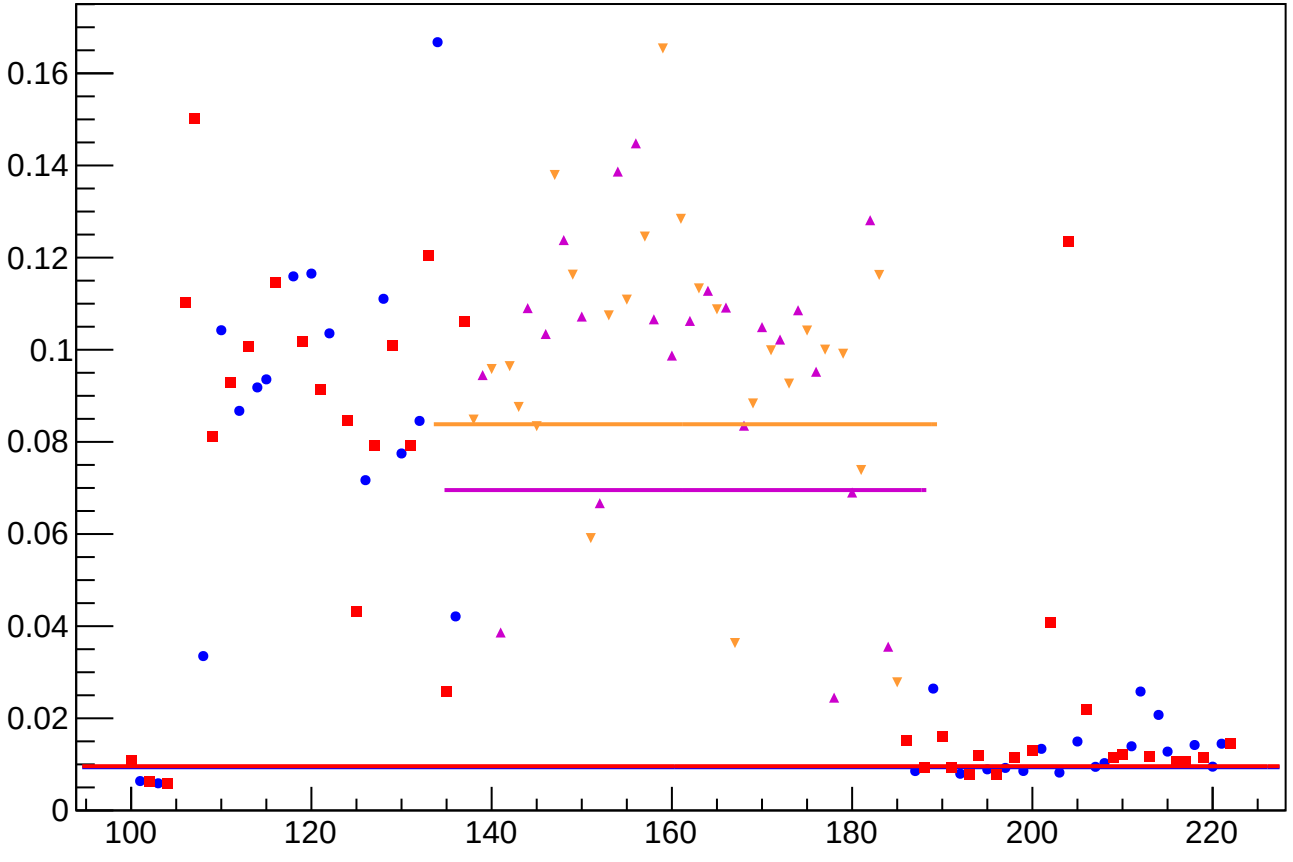
Right: 1.166+/-0.000 χ^2/NDF: 475196894562.4/71

In: 1.076+/-0.000 χ^2/NDF:255499641549.7/56

Out: 1.192+/-0.000 χ^2/NDF:231916650249.7/62

All: 1.131+/-0.000 χ^2/NDF: 487908710299.8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 9494894.6/33

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10622778.0/37

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

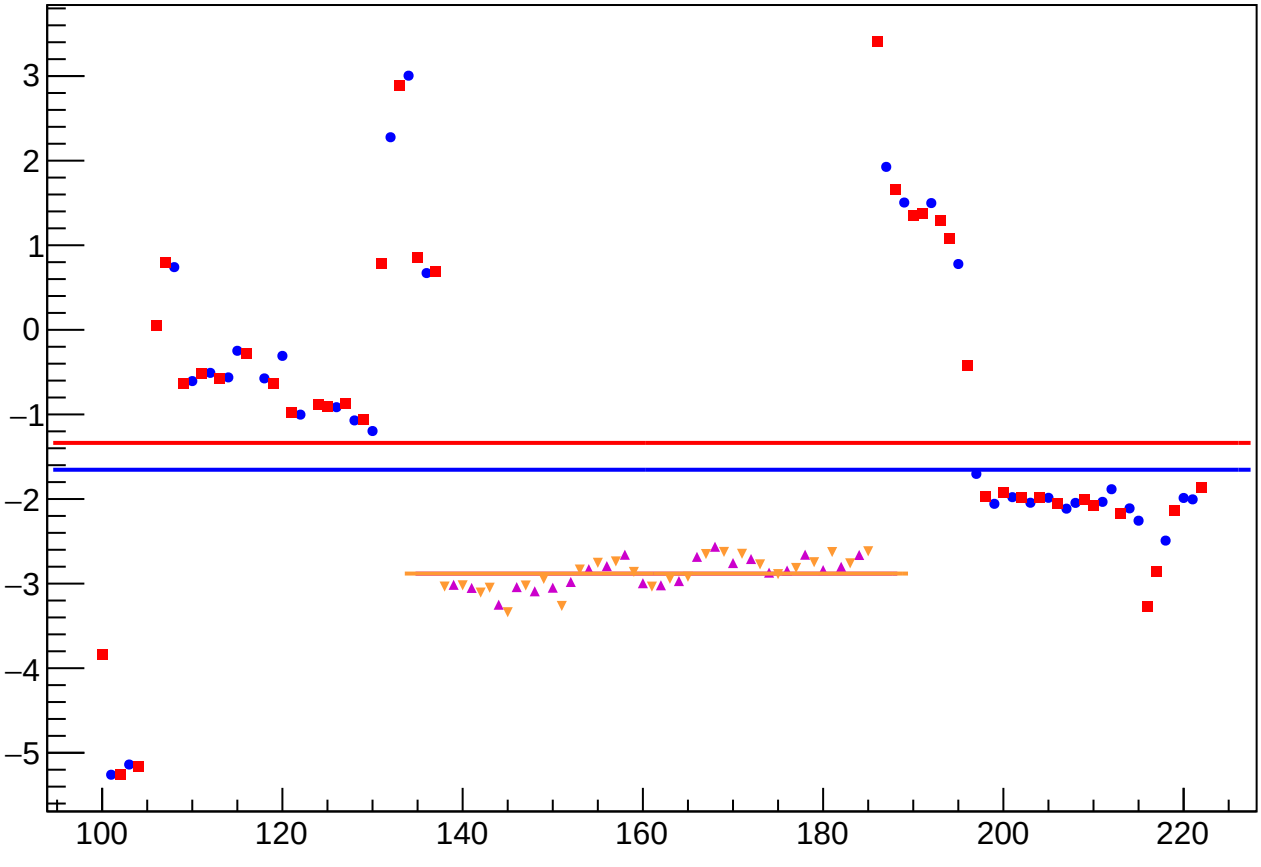
Right: 0.009+/-0.000 χ^2/NDF: 20121263.5/71

In: 0.011+/-0.000 χ^2/NDF:32874712.9/56

Out: 0.012+/-0.000 χ^2/NDF:36451470.3/62

All: 0.012+/-0.000 χ^2/NDF: 69349860.8/119

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.654+/-0.000 χ^2/NDF: 211341904656.0/33

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.337+/-0.000 χ^2/NDF: 246361817004.3/37

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

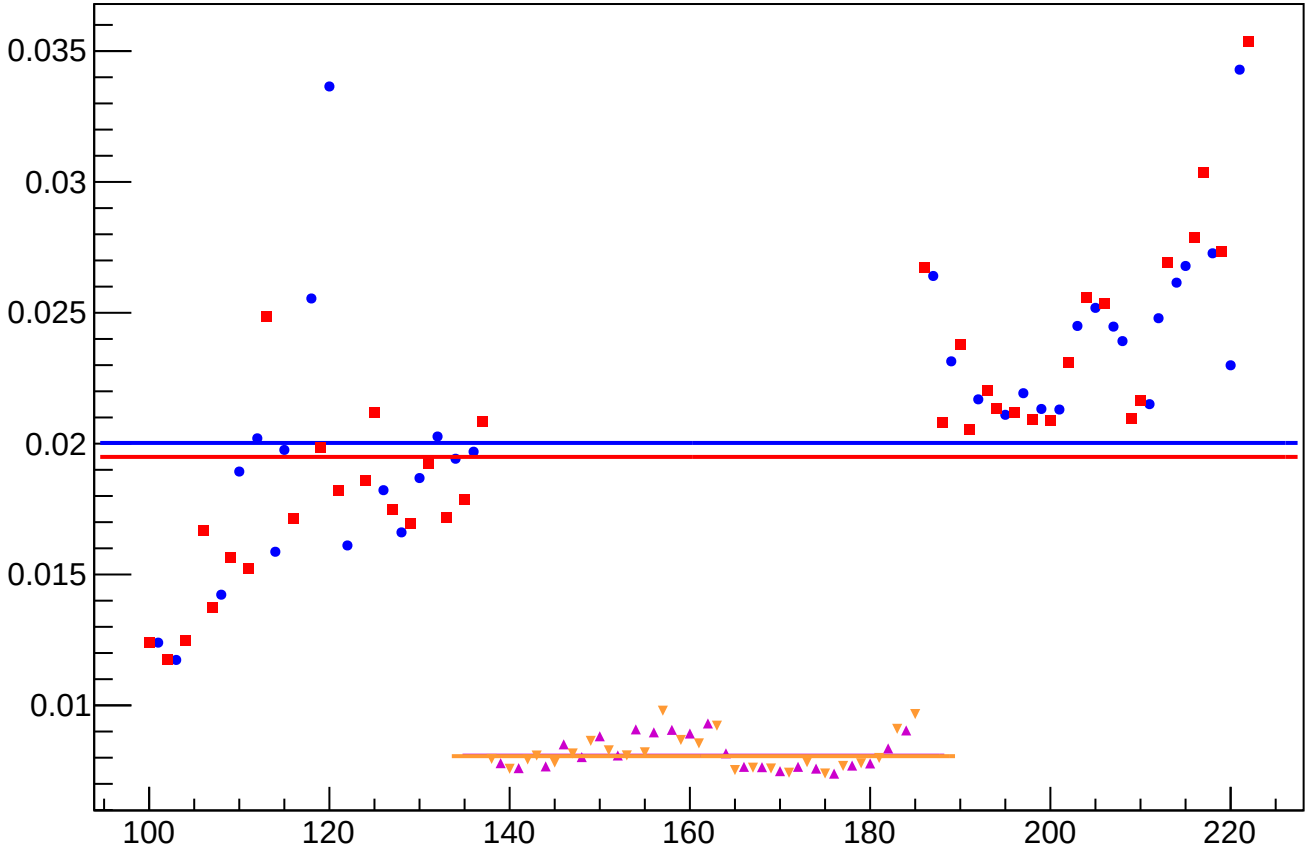
Right: -1.489+/-0.000 χ^2/NDF: 460190233146.8/71

In: -2.697+/-0.000 χ^2/NDF:280538019221.7/56

Out: -2.645+/-0.000 χ^2/NDF:360688167513.3/62

All: -2.670+/-0.000 χ^2/NDF: 641674522880.8

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: 2562008.6/37

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

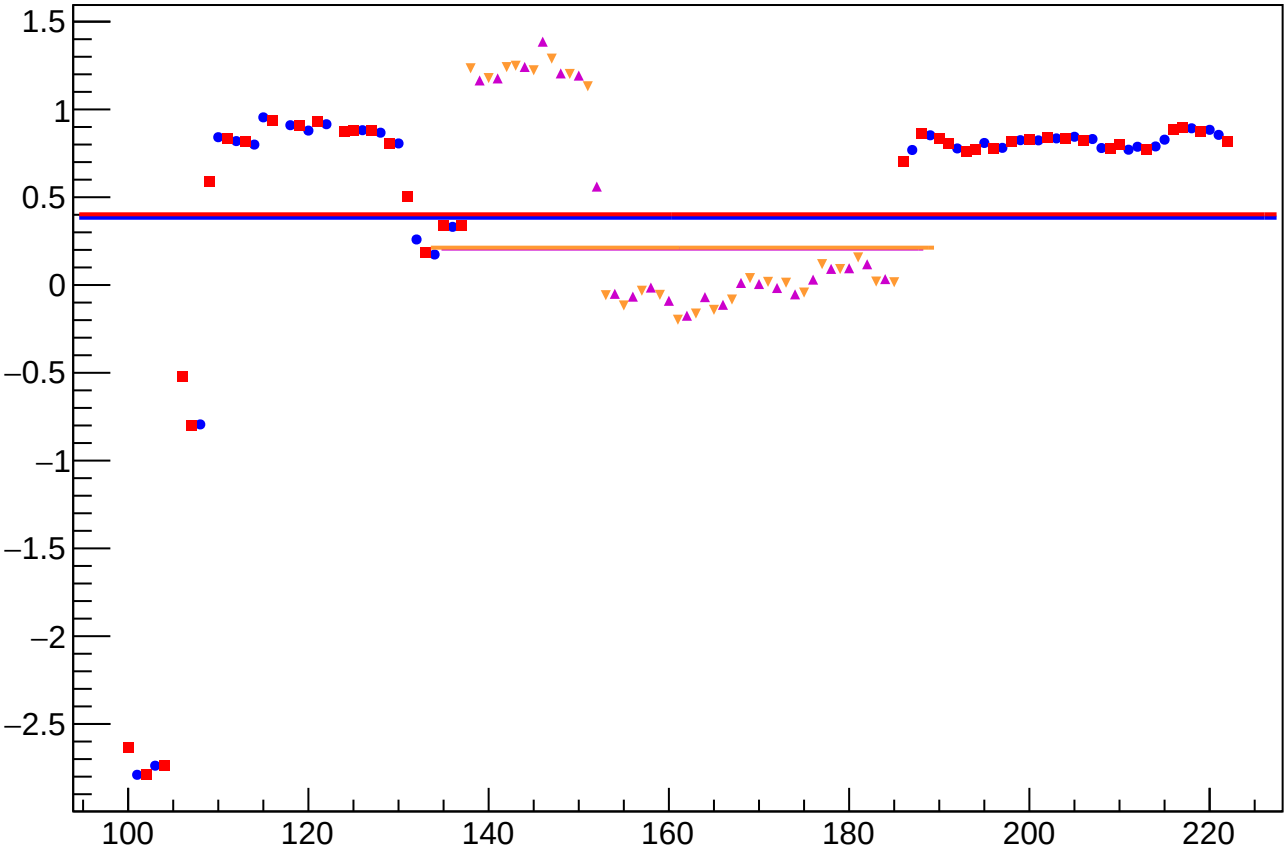
Right: 0.020+/-0.000 χ^2/NDF: 5062223.5/71

In: 0.010+/-0.000 χ^2/NDF:14191010.1/56

Out: 0.010+/-0.000 χ^2/NDF:14120953.8/62

All: 0.010+/-0.000 χ^2/NDF: 28313562.6/119

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: 0.403+/-0.000 χ^2/NDF: 1077158559981.6/37

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

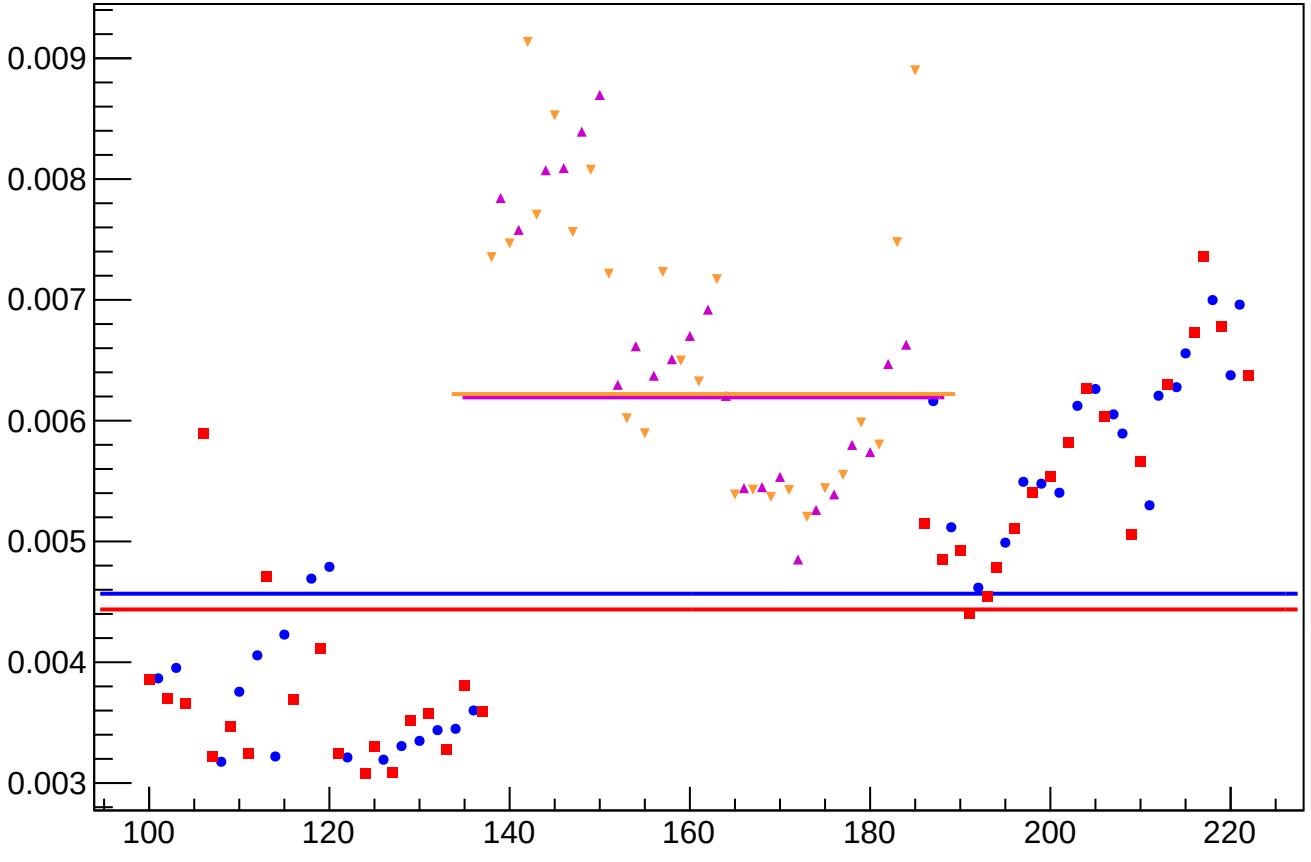
Right: 0.393+/-0.000 χ^2/NDF: 2074008717626.7/71

In: 0.330+/-0.000 χ^2/NDF:1092654064263.1/56

Out: 0.346+/-0.000 χ^2/NDF:1190911769947.1/62

All: 0.338+/-0.000 χ^2/NDF: 2283761135611.

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: 2724498.5/37

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

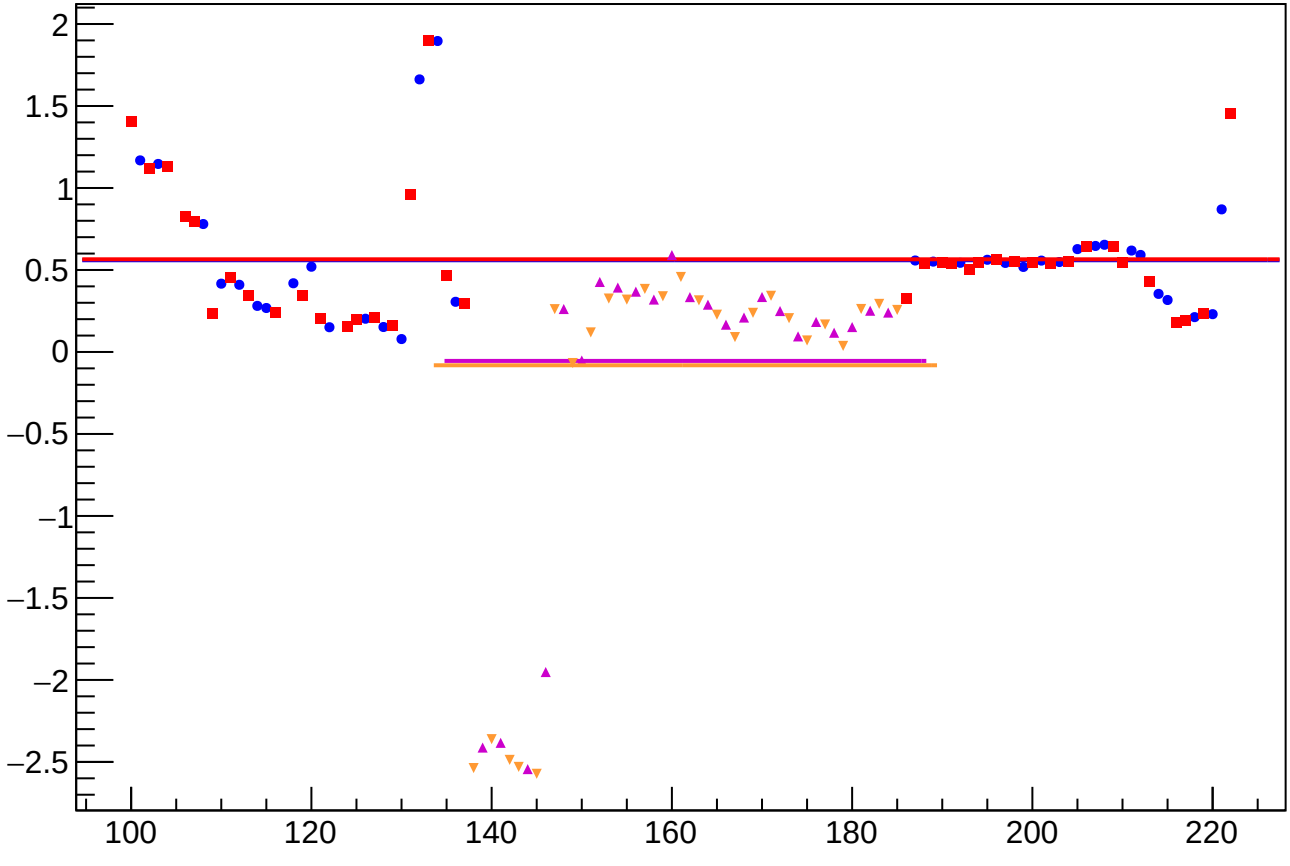
Right: 0.004+/-0.000 χ^2/NDF: 5514624.9/71

In: 0.005+/-0.000 χ^2/NDF:5108682.8/56

Out: 0.005+/-0.000 χ^2/NDF:5464298.8/62

All: 0.005+/-0.000 χ^2/NDF: 10585933.0/119

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: 0.565+/-0.000 χ^2/NDF: 117863911631.5/37

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

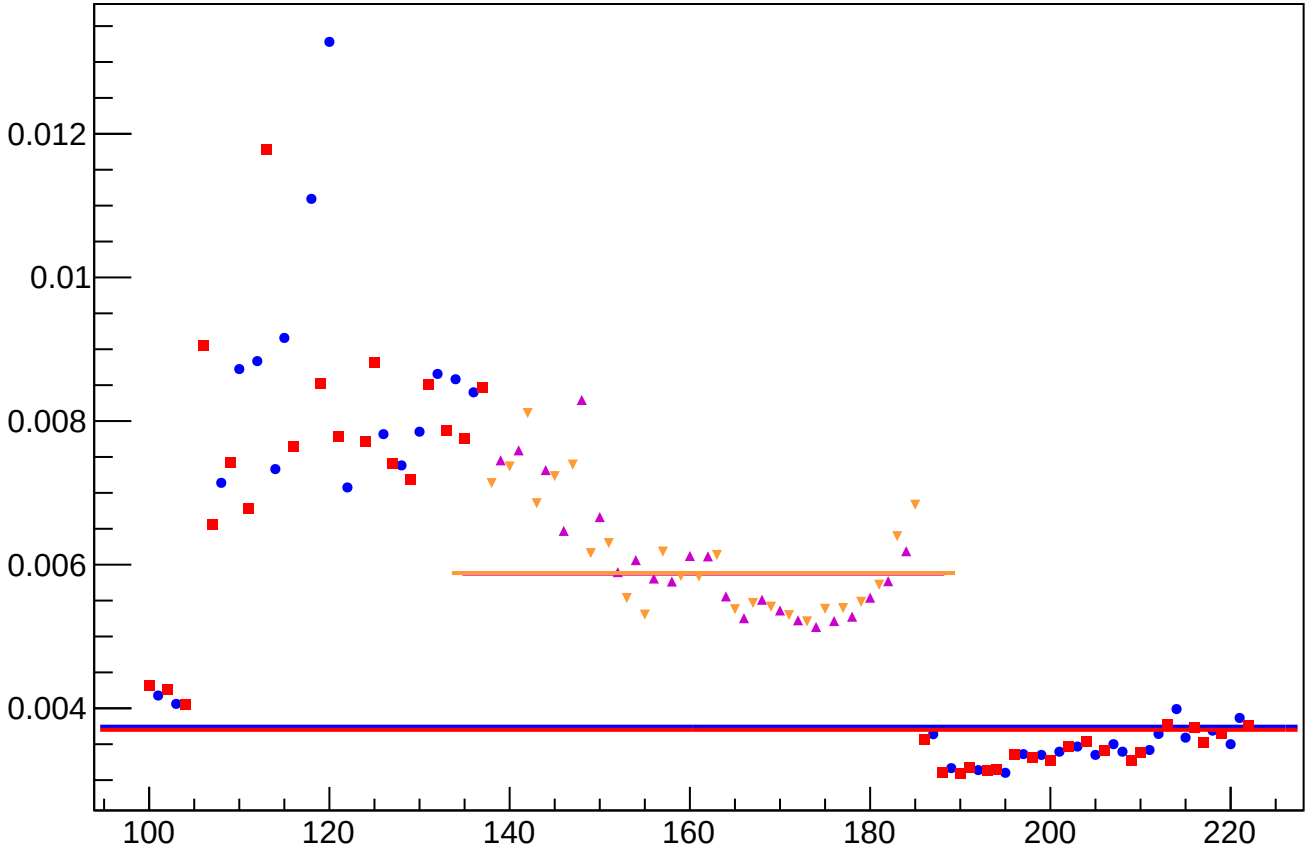
Right: 0.562+/-0.000 χ^2/NDF: 192666708093.5/71

In: 0.396+/-0.000 χ^2/NDF:556022423762.7/56

Out: 0.394+/-0.000 χ^2/NDF:661884105237.5/62

All: 0.395+/-0.000 χ^2/NDF: 1217910282366.

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: 3484869.3/37

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

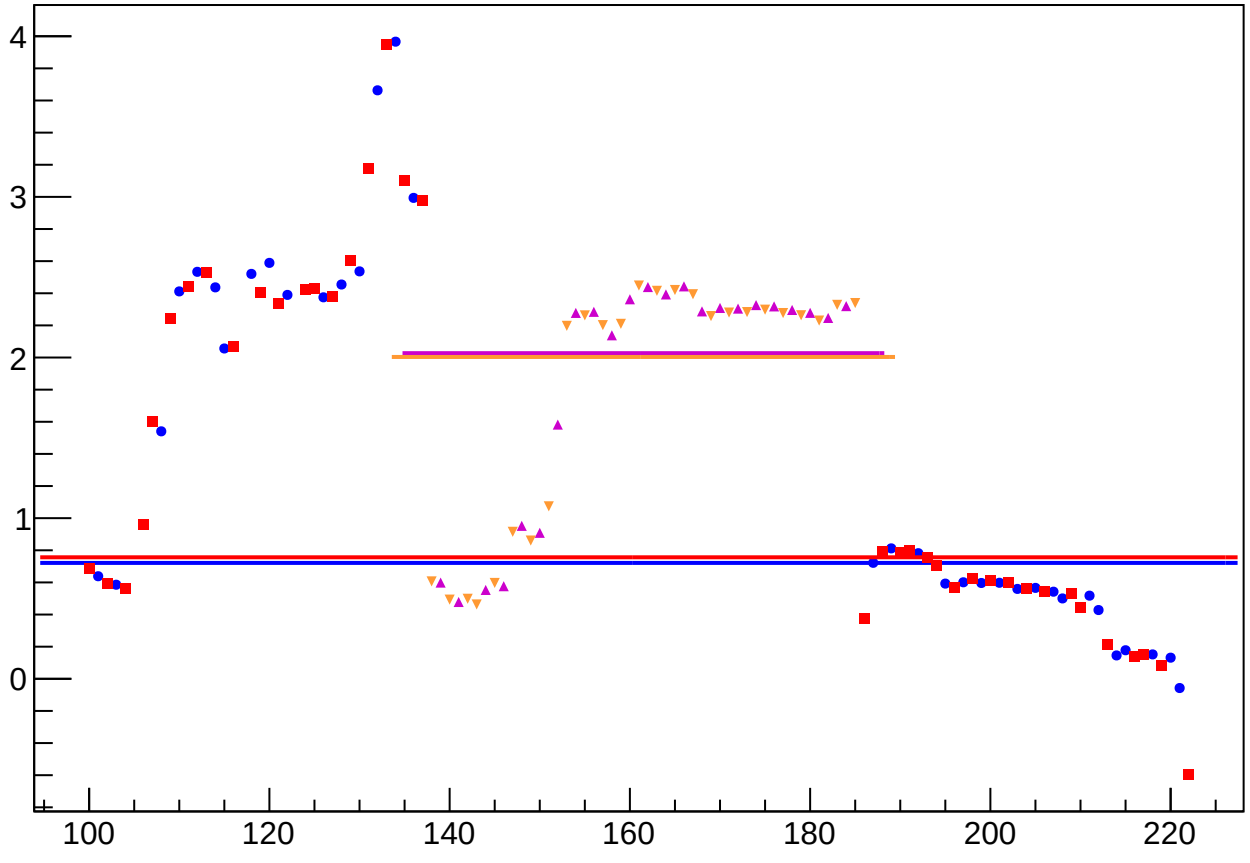
Right: 0.004+/-0.000 χ^2/NDF: 6993852.5/71

In: 0.004+/-0.000 χ^2/NDF:7260971.9/56

Out: 0.004+/-0.000 χ^2/NDF:7496508.8/62

All: 0.004+/-0.000 χ^2/NDF: 14759465.6/119

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: 0.756+/-0.000 χ^2/NDF: 334310688249.9/37

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

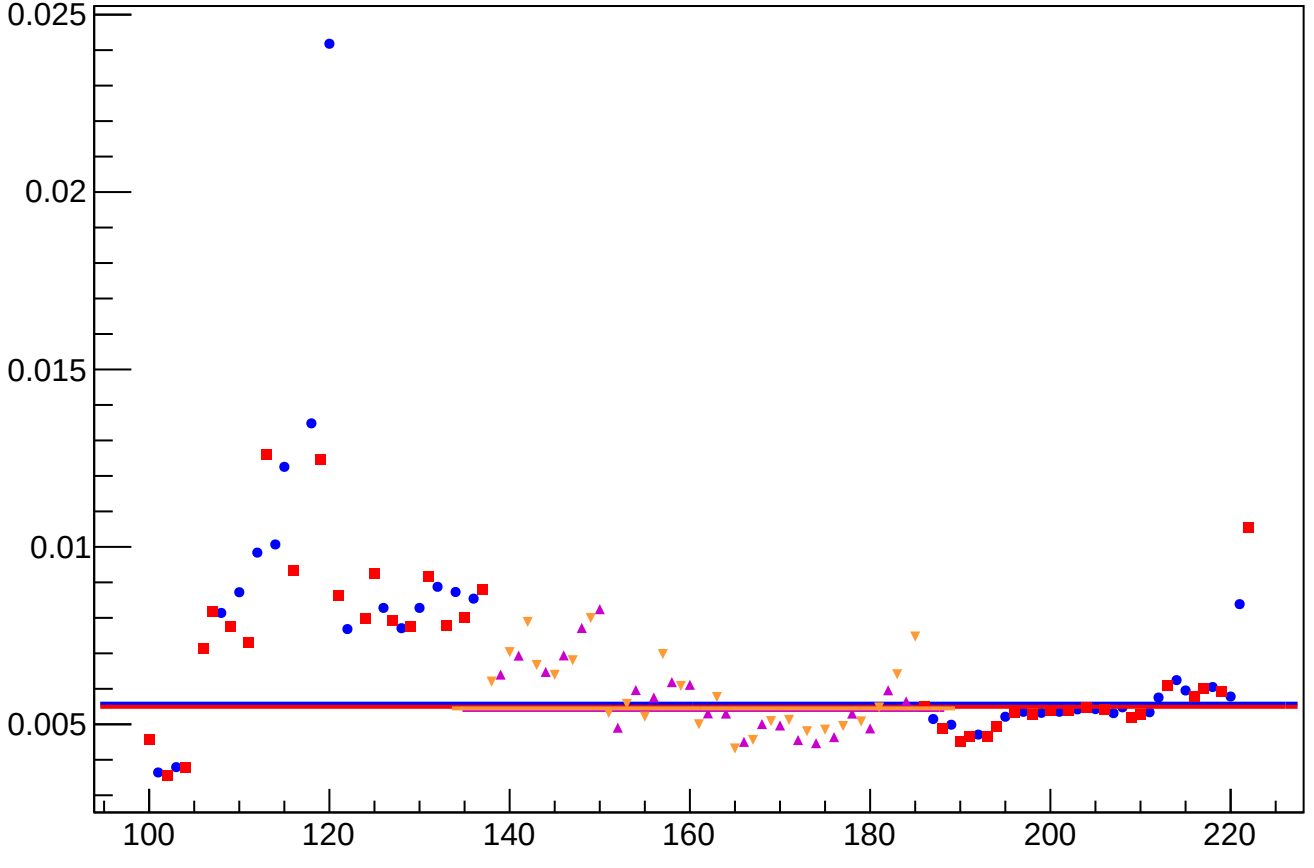
Right: 0.739+/-0.000 χ^2/NDF: 632632563789.9/71

In: 1.327+/-0.000 χ^2/NDF:977924125194.7/56

Out: 1.328+/-0.000 χ^2/NDF:1017822770442.2/62

All: 1.328+/-0.000 χ^2/NDF: 1995747571755.

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: 2557653.6/37

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

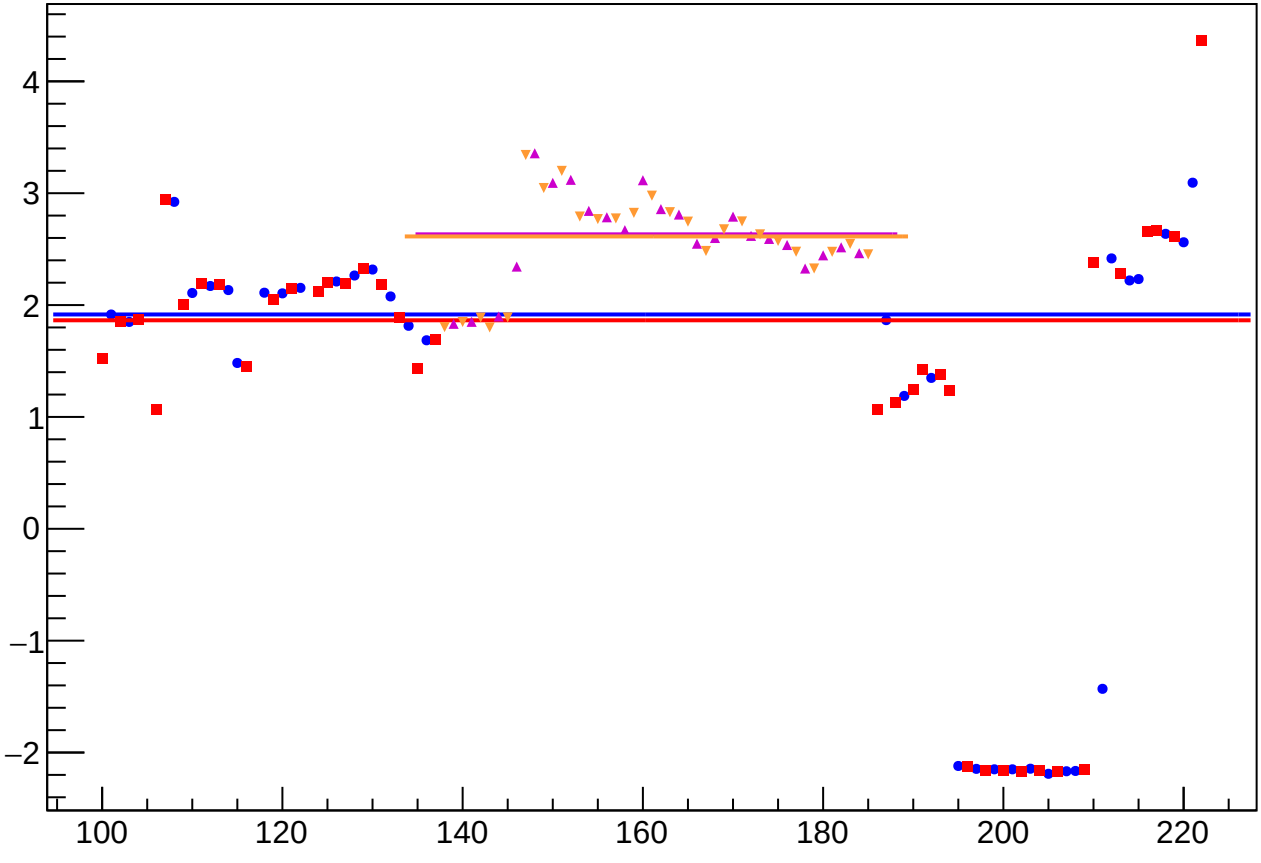
Right: 0.006+/-0.000 χ^2/NDF: 5135650.5/71

In: 0.005+/-0.000 χ^2/NDF:3405918.9/56

Out: 0.005+/-0.000 χ^2/NDF:3330221.8/62

All: 0.005+/-0.000 χ^2/NDF: 6736977.4/119

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: 1.864+/-0.000 χ^2/NDF: 203228221053.4/37

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

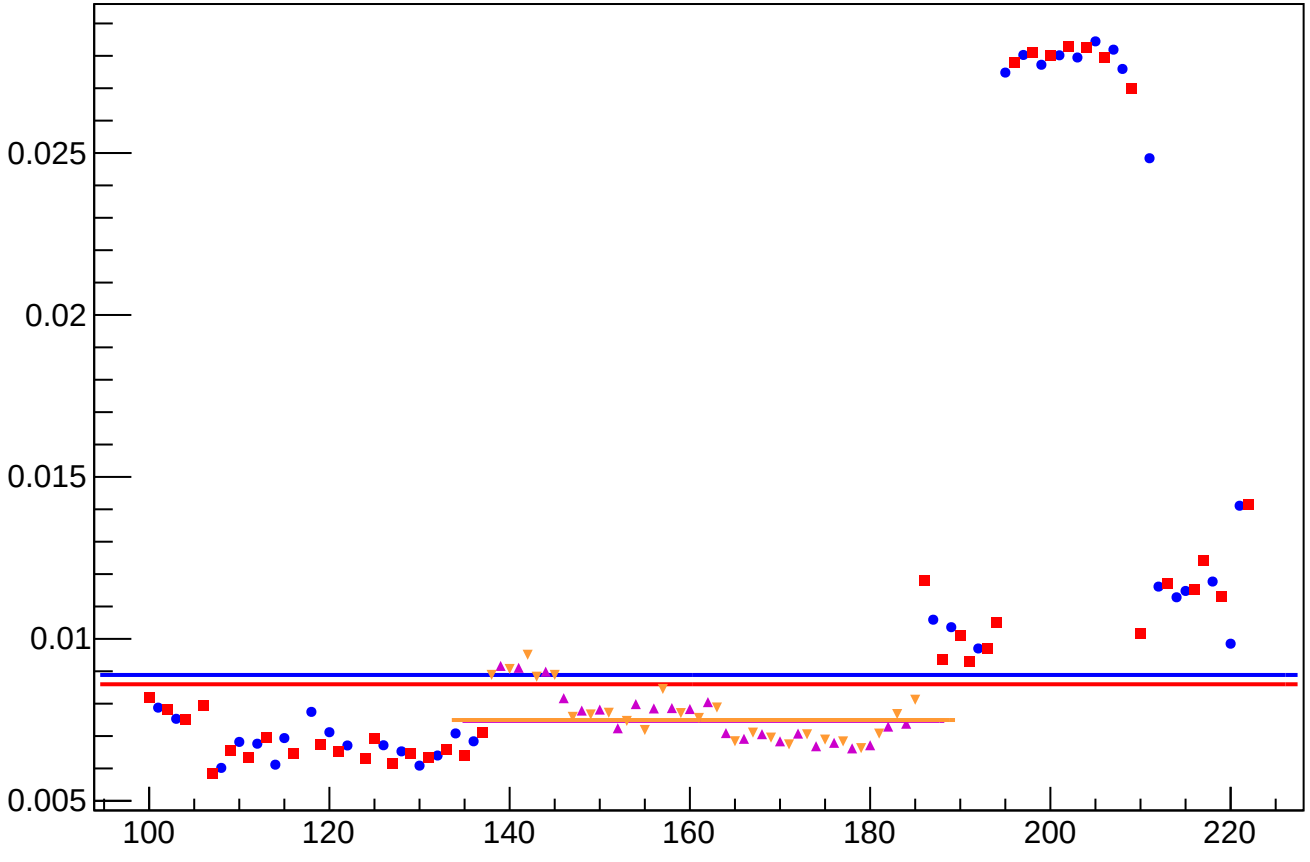
Right: 1.889+/-0.000 χ^2/NDF: 404177528146.8/71

In: 2.342+/-0.000 χ^2/NDF:305764767338.6/56

Out: 2.297+/-0.000 χ^2/NDF:326289557242.0/62

All: 2.318+/-0.000 χ^2/NDF: 632595718671.5

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: 8034347.9/37

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

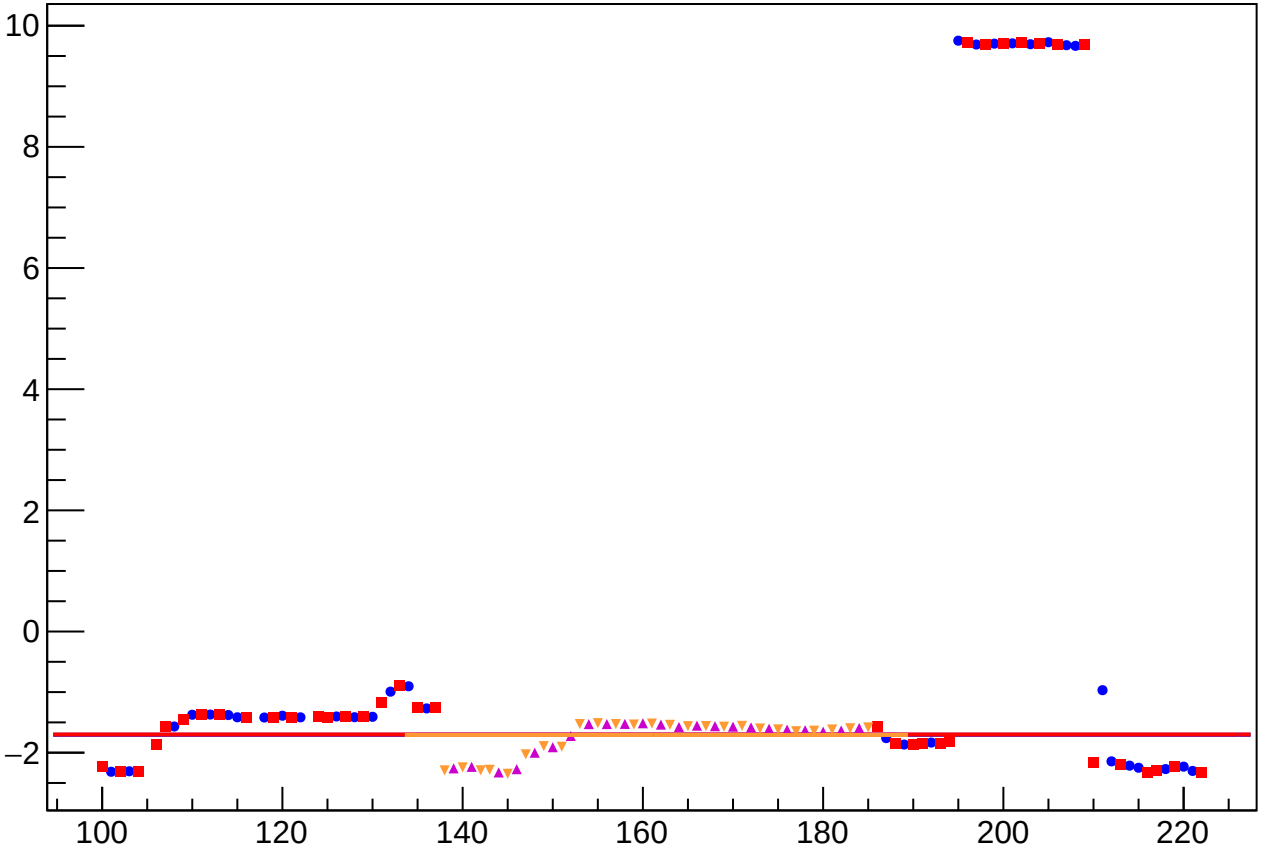
Right: 0.009+/-0.000 χ^2/NDF: 17095335.6/71

In: 0.008+/-0.000 χ^2/NDF:9871204.4/56

Out: 0.008+/-0.000 χ^2/NDF:8699503.9/62

All: 0.008+/-0.000 χ^2/NDF: 18574315.6/119

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: -1.700+/-0.000 χ^2/NDF: 491100268992.1/37

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

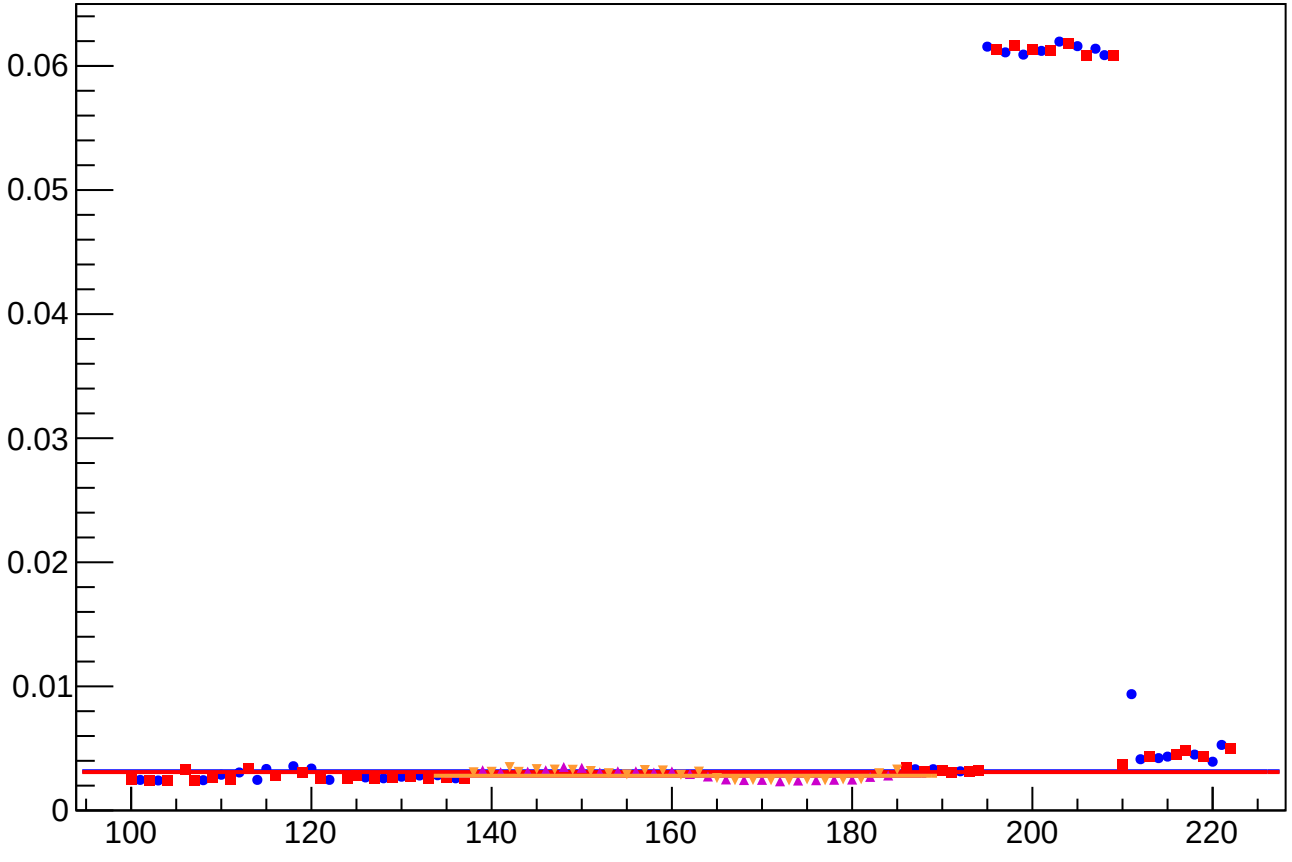
Right: -1.702+/-0.000 χ^2/NDF: 1006561032165.3/7

In: -1.705+/-0.000 χ^2/NDF:651985351984.6/56

Out: -1.704+/-0.000 χ^2/NDF:643002112371.9/62

All: -1.705+/-0.000 χ^2/NDF: 1294988251417

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: 12544344.3/37

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

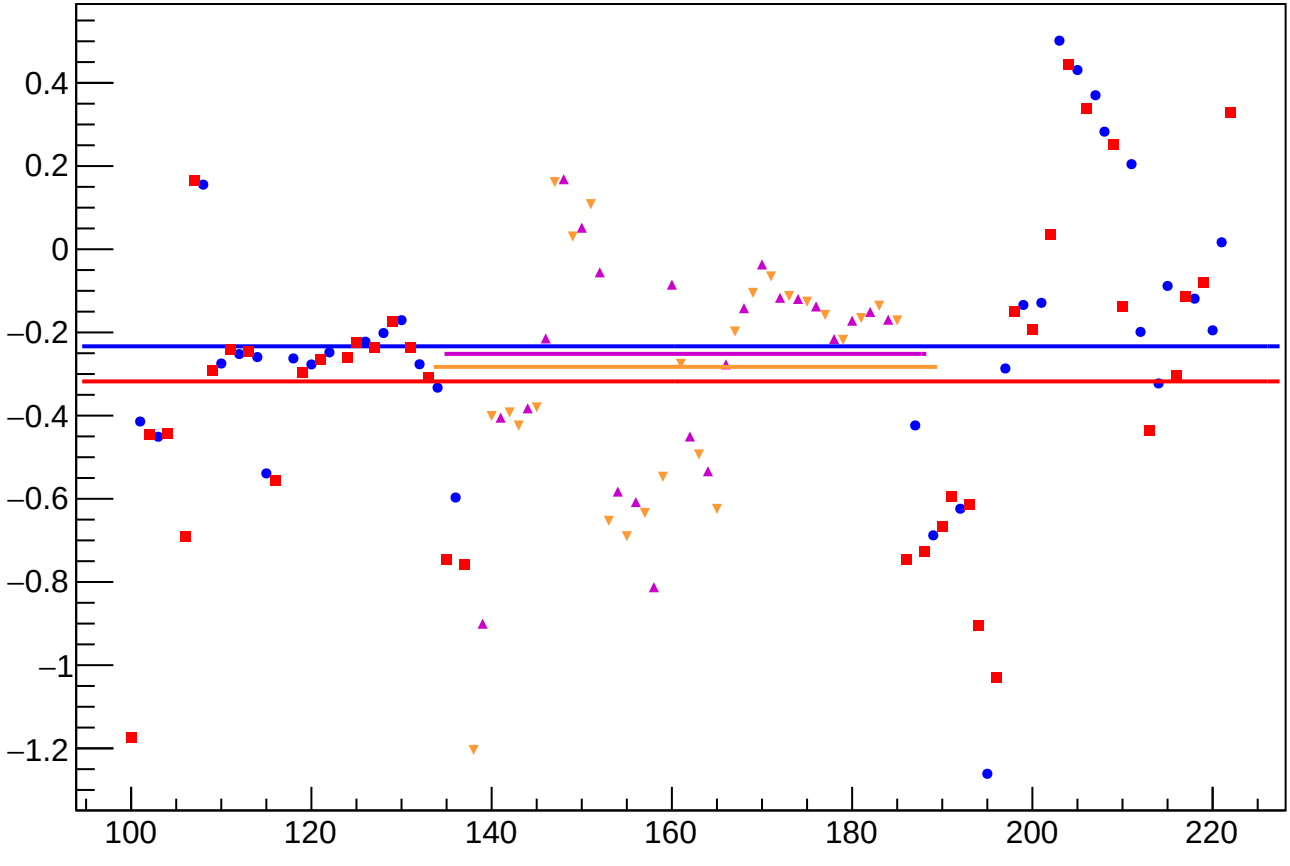
Right: 0.003+/-0.000 χ^2/NDF: 26576468.7/71

In: 0.003+/-0.000 χ^2/NDF:14820608.4/56

Out: 0.003+/-0.000 χ^2/NDF:13255101.3/62

All: 0.003+/-0.000 χ^2/NDF: 28076182.3/119

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: -0.318+/-0.000 χ^2/NDF: 10595988147.3/37

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

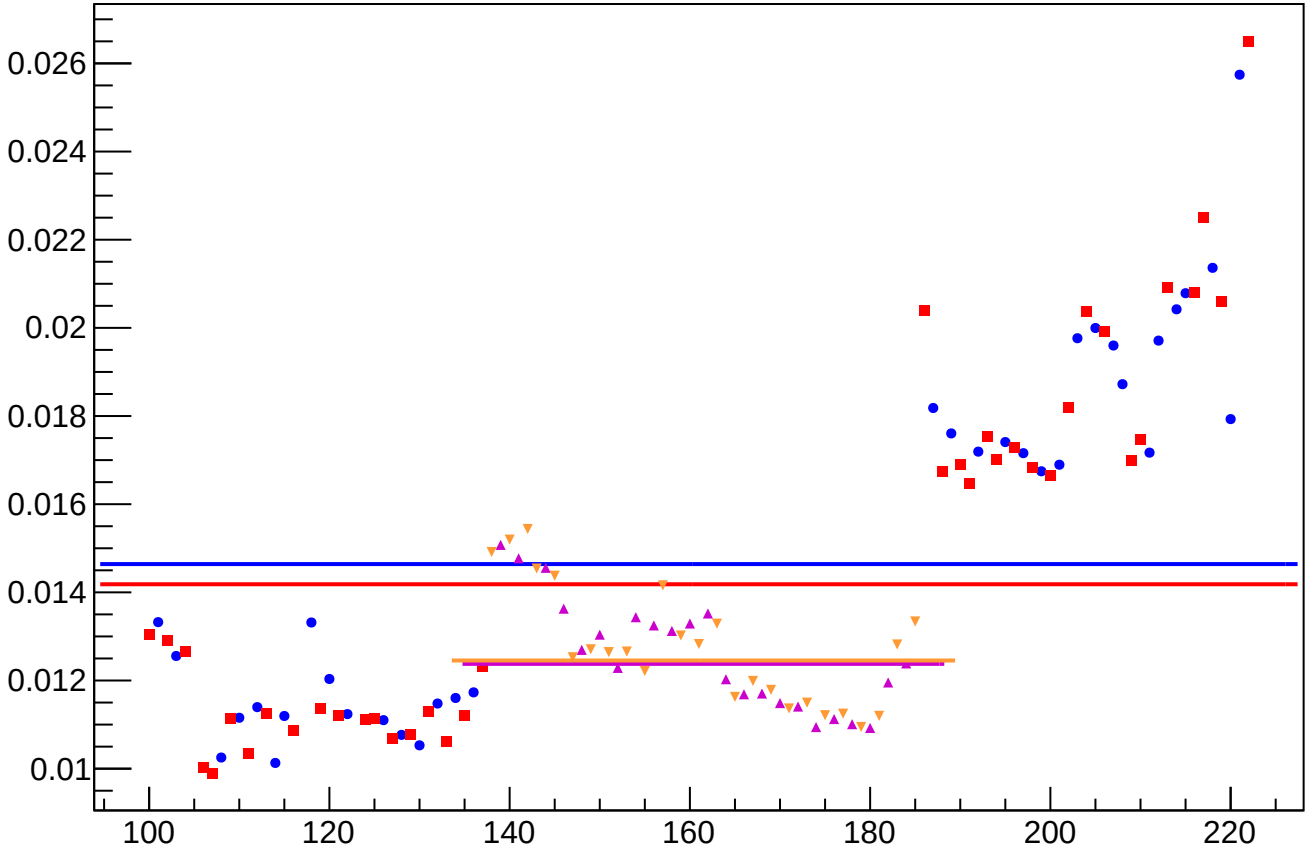
Right: -0.277+/-0.000 χ^2/NDF: 20827620900.9/71

In: -0.243+/-0.000 χ^2/NDF:17073972253.3/56

Out: -0.299+/-0.000 χ^2/NDF:20005409585.0/62

All: -0.272+/-0.000 χ^2/NDF: 37404635586.7/

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: 3057829.3/37

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

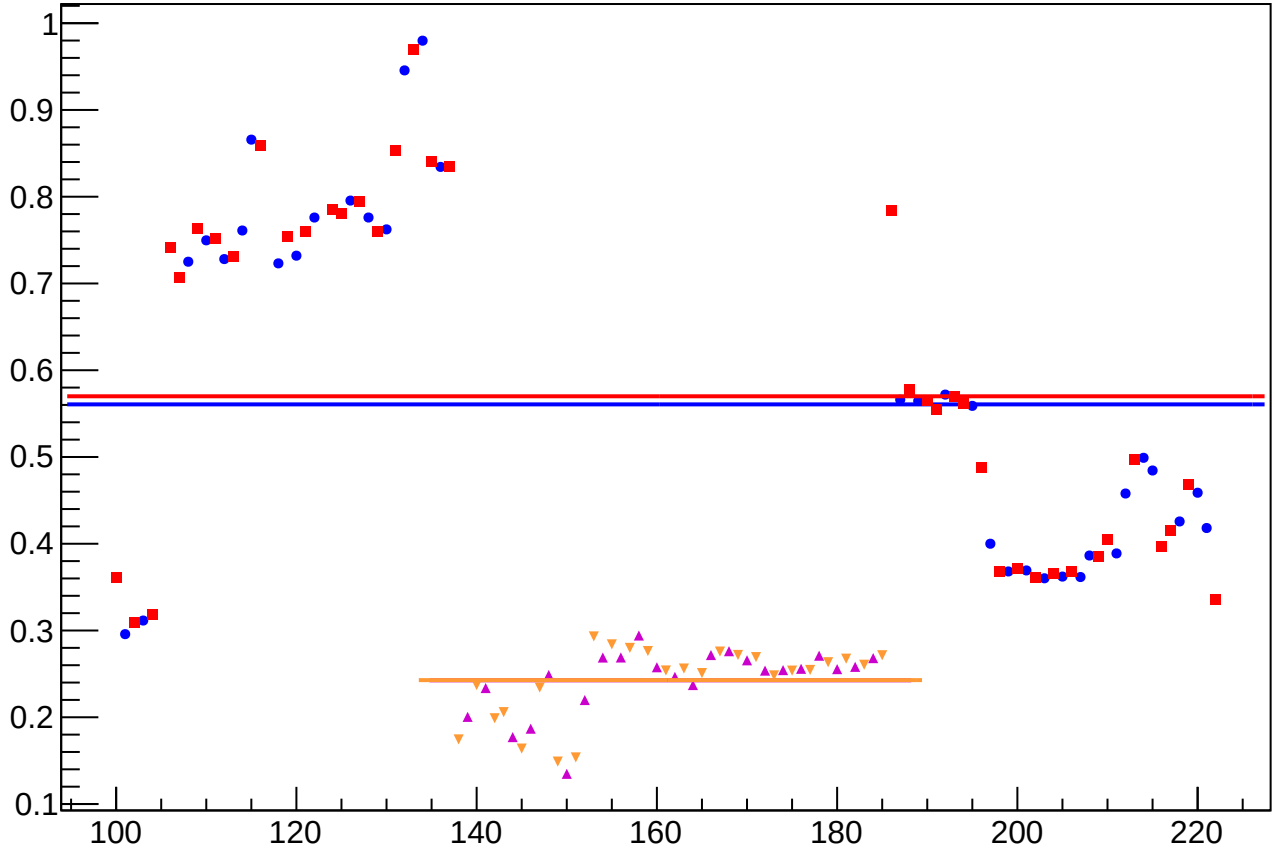
Right: 0.014+/-0.000 χ^2/NDF: 5805522.4/71

In: 0.013+/-0.000 χ^2/NDF:3575751.6/56

Out: 0.013+/-0.000 χ^2/NDF:3722252.7/62

All: 0.013+/-0.000 χ^2/NDF: 7302682.2/119

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: 0.570+/-0.000 χ^2/NDF: 99384406003.0/37

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

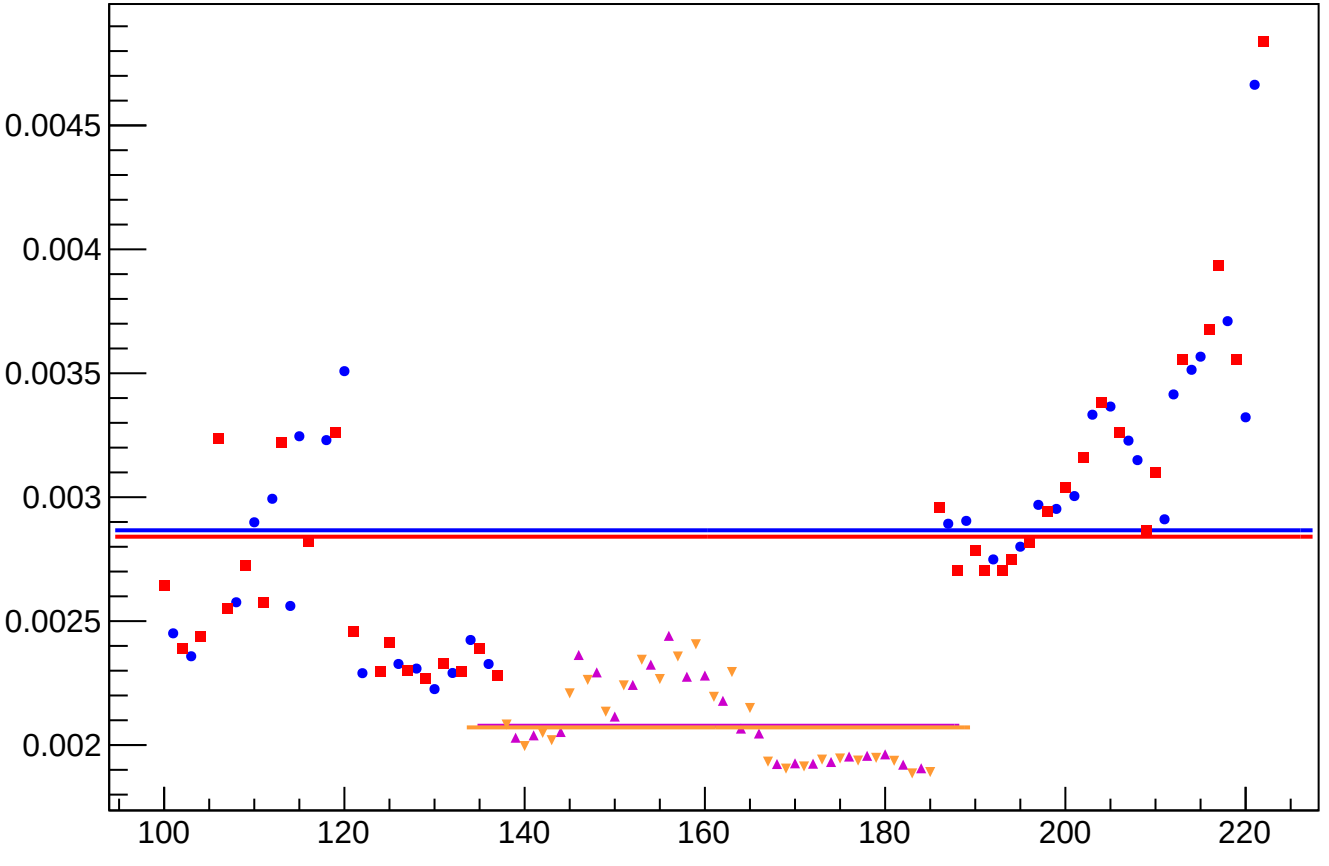
Right: 0.565+/-0.000 χ^2/NDF: 201414407558.4/71

In: 0.362+/-0.000 χ^2/NDF:266688252333.7/56

Out: 0.364+/-0.000 χ^2/NDF:282361220954.9/62

All: 0.363+/-0.000 χ^2/NDF: 549058203130.6

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: 1182677.1/37

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

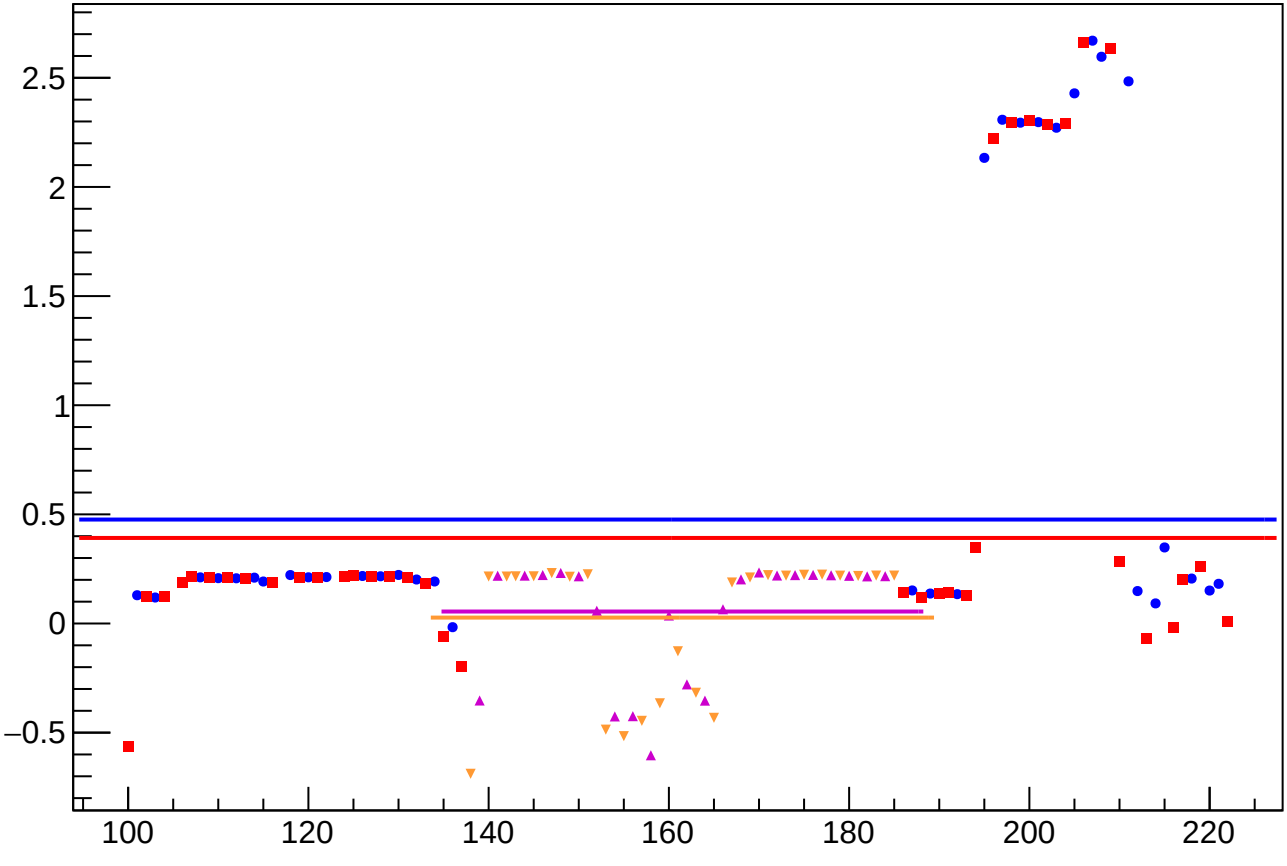
Right: 0.003+/-0.000 χ^2/NDF: 2417276.9/71

In: 0.002+/-0.000 χ^2/NDF:3399337.7/56

Out: 0.002+/-0.000 χ^2/NDF:3359785.6/62

All: 0.002+/-0.000 χ^2/NDF: 6761519.4/119

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: 0.392+/-0.000 χ^2/NDF: 55480138826.8/37

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

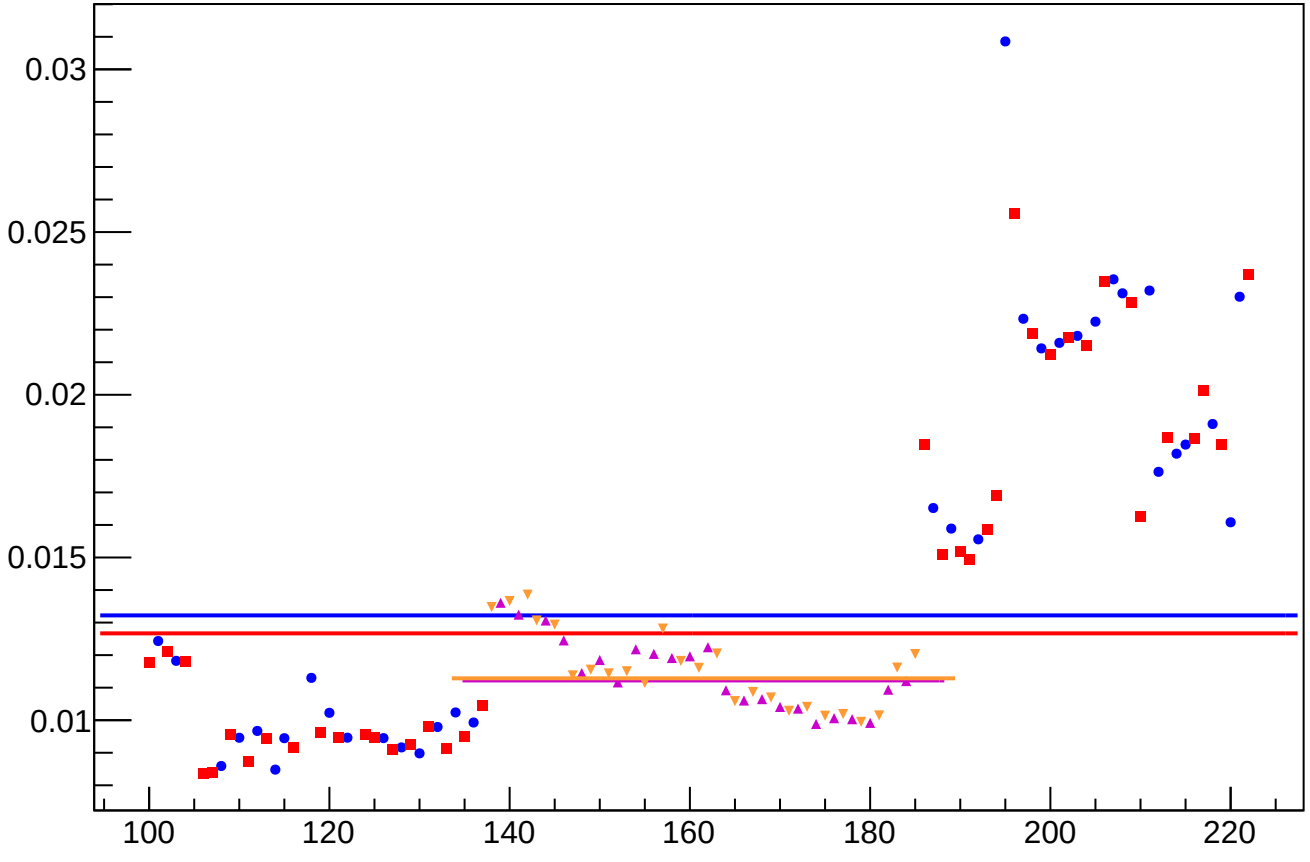
Right: 0.432+/-0.000 χ^2/NDF: 118358702127.6/71

In: 0.238+/-0.000 χ^2/NDF:82832713321.5/56

Out: 0.192+/-0.000 χ^2/NDF:77076406683.2/62

All: 0.214+/-0.000 χ^2/NDF: 160186442299.2

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: 5461688.7/37

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

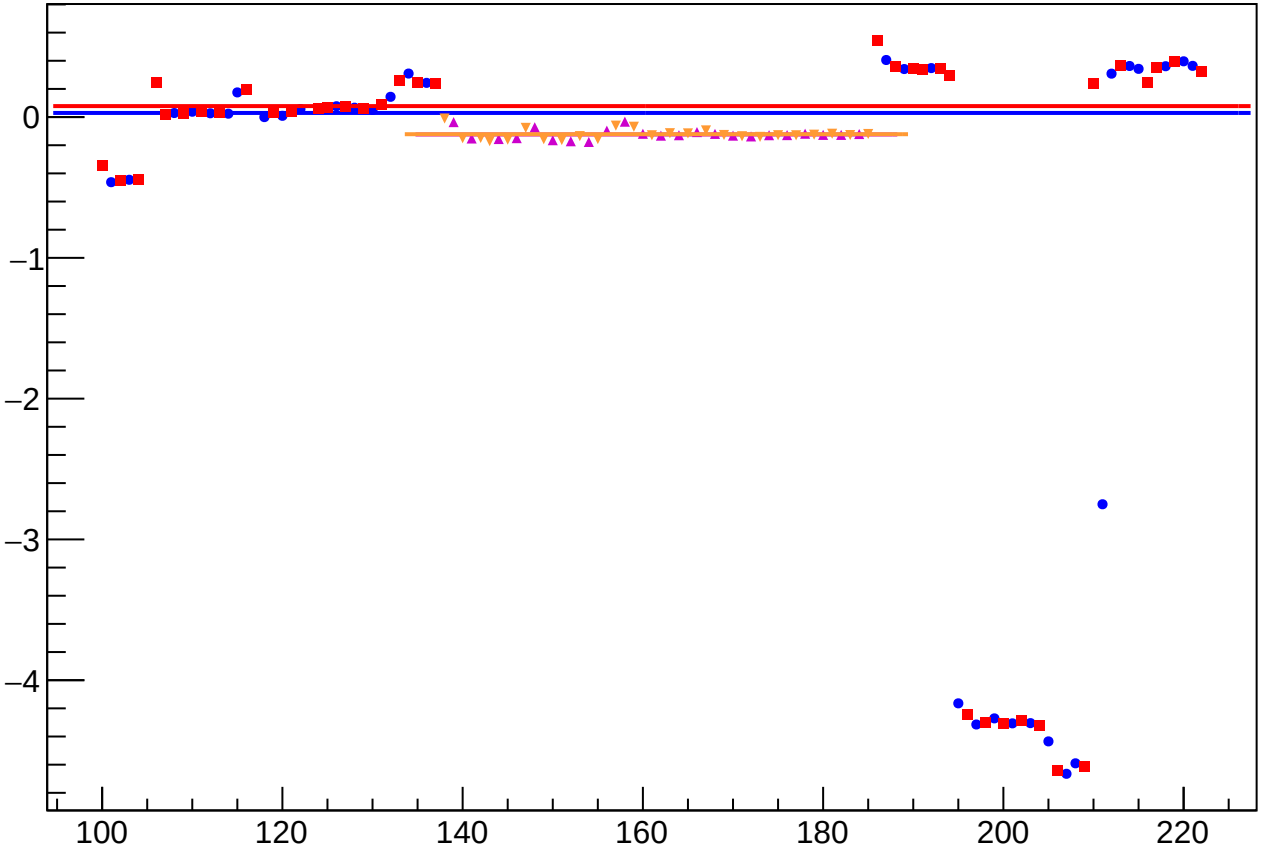
Right: 0.013+/-0.000 χ^2/NDF: 11052335.3/71

In: 0.012+/-0.000 χ^2/NDF:6350567.0/56

Out: 0.012+/-0.000 χ^2/NDF:6037255.9/62

All: 0.012+/-0.000 χ^2/NDF: 12396318.8/119

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: 0.078+/-0.000 χ^2/NDF: 409145701809.3/37

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

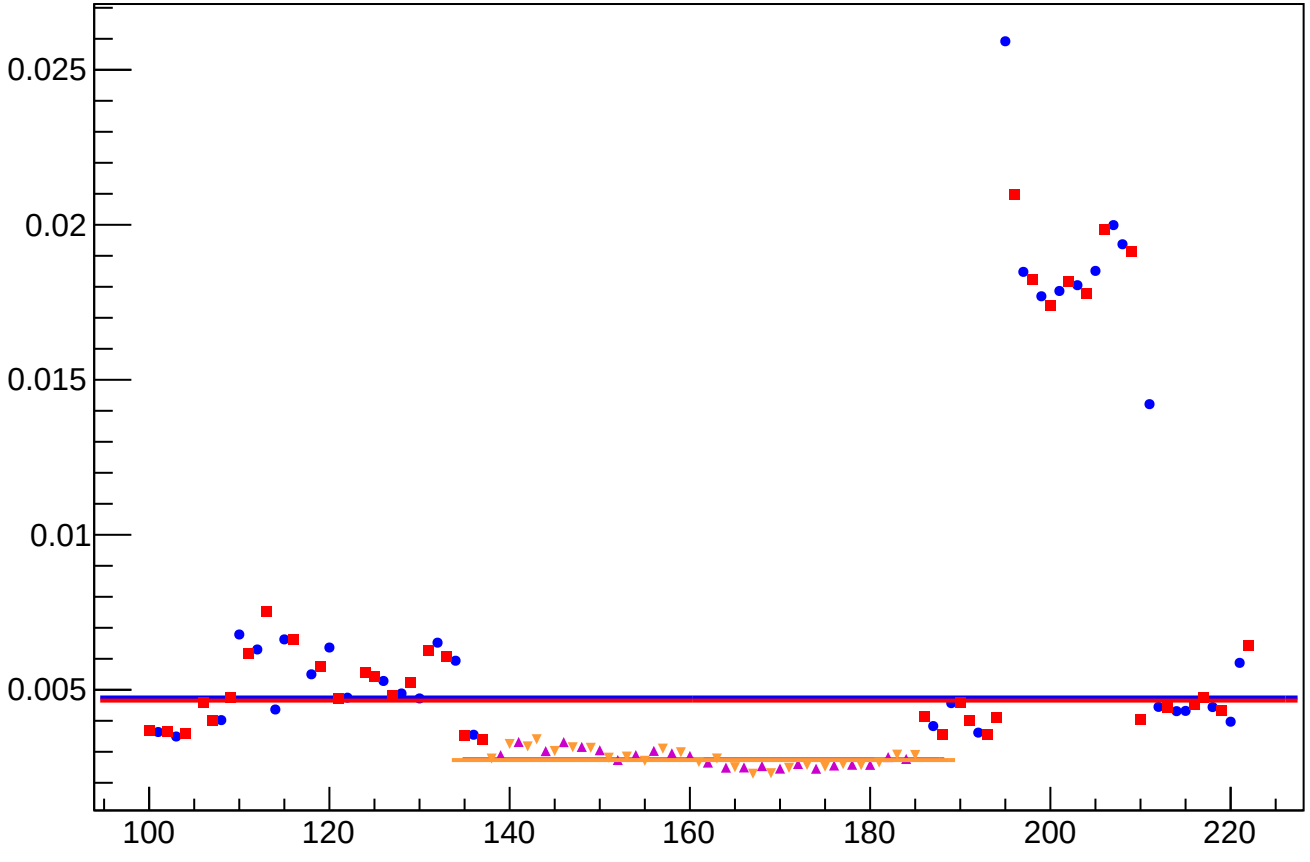
Right: 0.055+/-0.000 χ^2/NDF: 865333493312.5/71

In: -0.088+/-0.000 χ^2/NDF:470721499742.1/56

Out: -0.074+/-0.000 χ^2/NDF:435618428940.9/62

All: -0.080+/-0.000 χ^2/NDF: 906637993840.1

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: 8140830.8/37

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

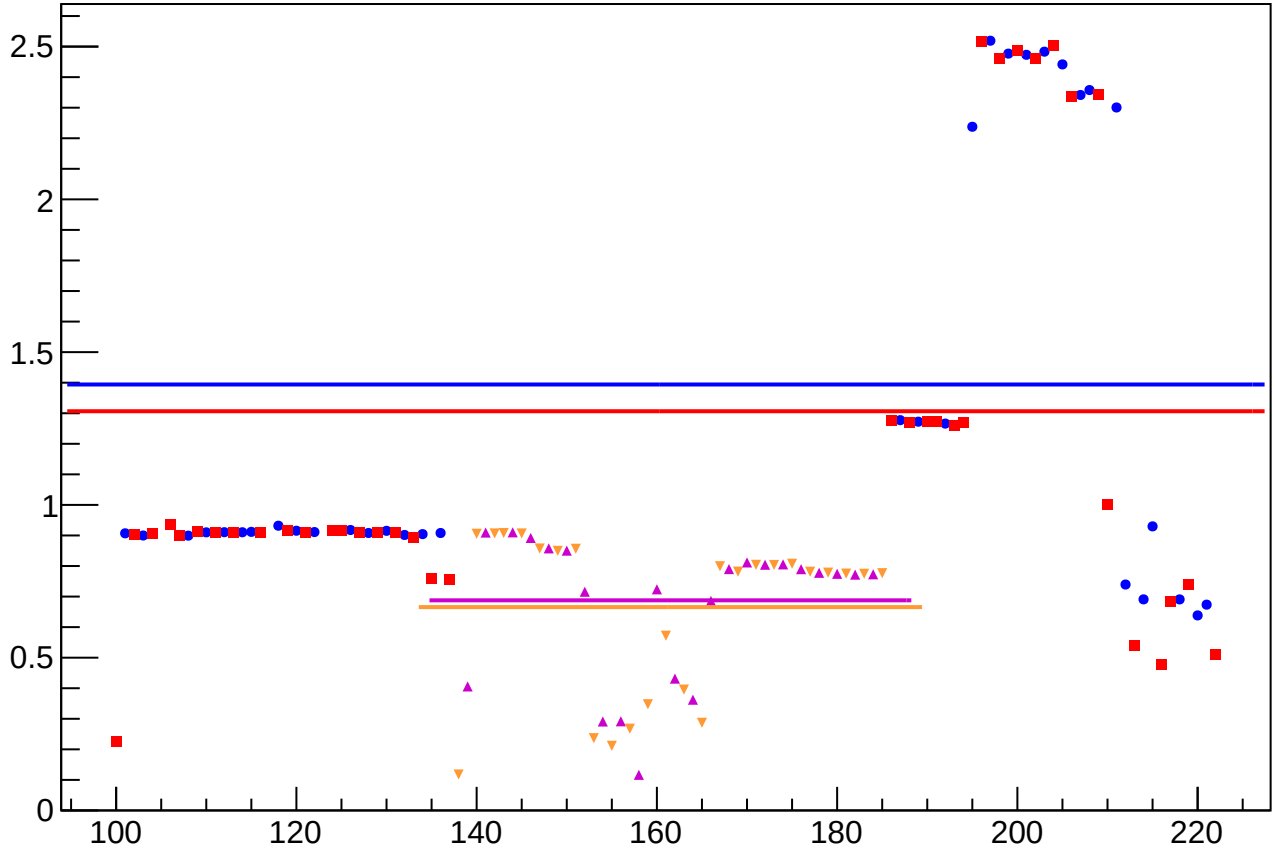
Right: 0.005+/-0.000 χ^2/NDF: 17634924.9/71

In: 0.003+/-0.000 χ^2/NDF:14065638.2/56

Out: 0.003+/-0.000 χ^2/NDF:12880362.7/62

All: 0.003+/-0.000 χ^2/NDF: 26949208.8/119

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: 1.307+/-0.000 χ^2/NDF: 58198307231.9/37

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

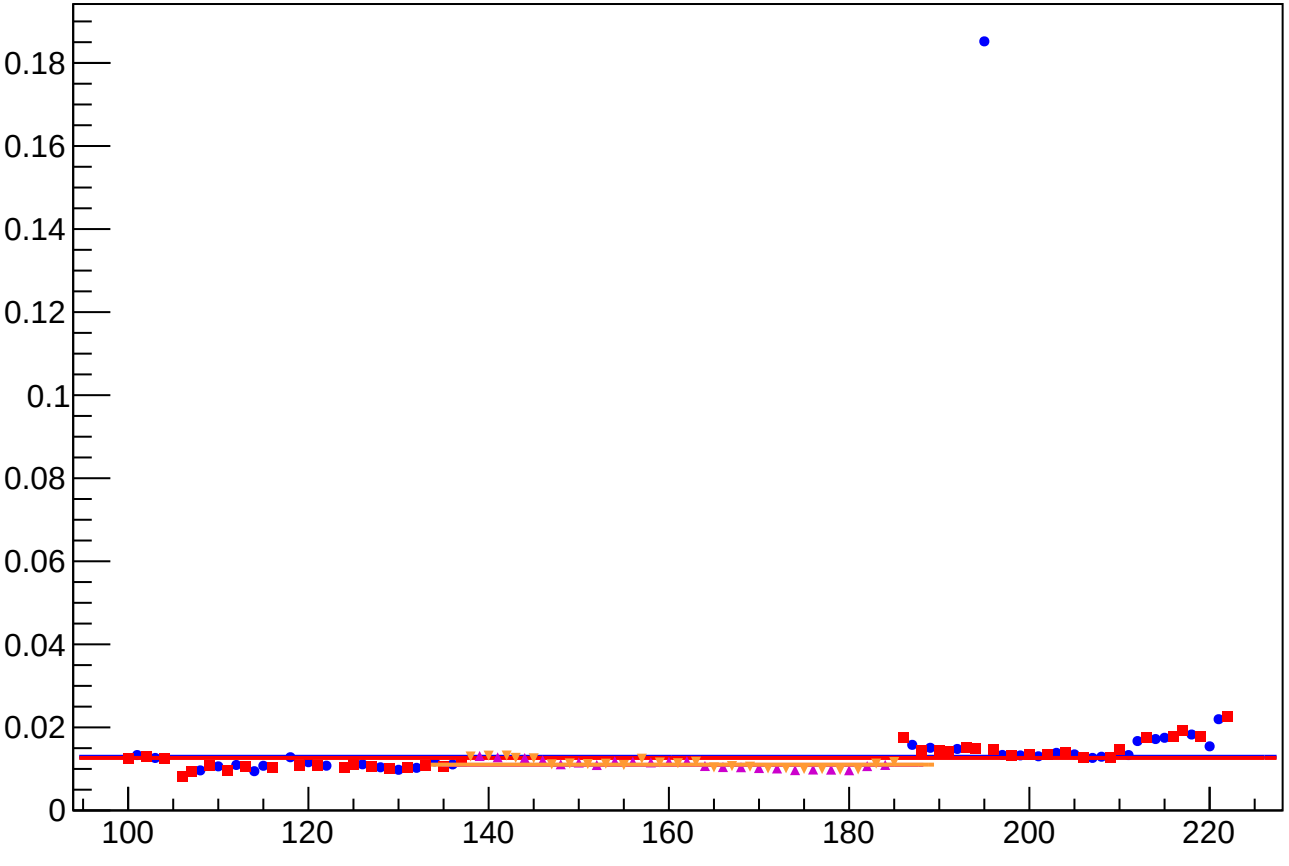
Right: 1.349+/-0.000 χ^2/NDF: 119994740232.2/71

In: 1.005+/-0.000 χ^2/NDF:100861300436.3/56

Out: 0.957+/-0.000 χ^2/NDF:95677715265.4/62

All: 0.980+/-0.000 χ^2/NDF: 196853922918.3

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: 1821365.3/37

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

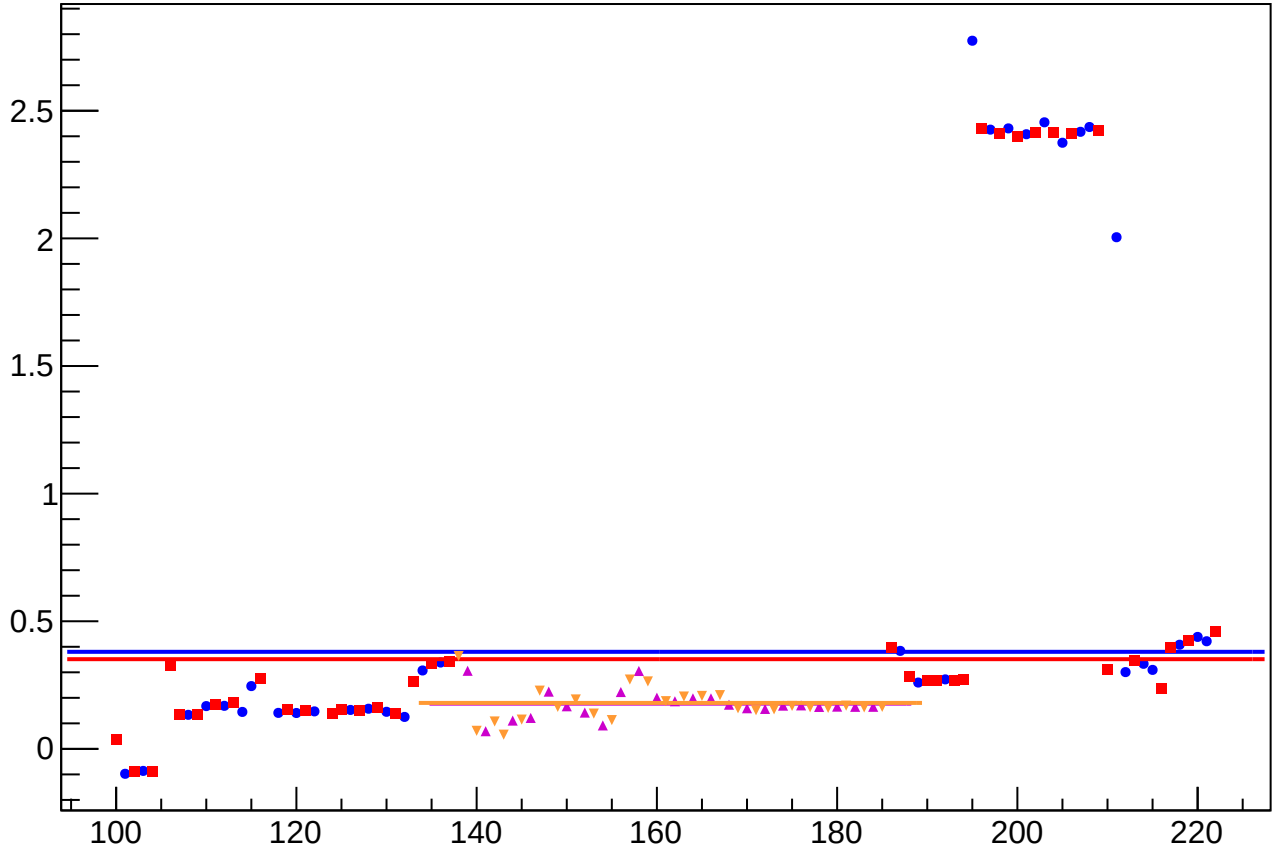
Right: 0.013+/-0.000 χ^2/NDF: 4767101.3/71

In: 0.012+/-0.000 χ^2/NDF:3724281.3/56

Out: 0.012+/-0.000 χ^2/NDF:2479674.5/62

All: 0.012+/-0.000 χ^2/NDF: 6205794.5/119

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: 0.351+/-0.000 χ^2/NDF: 164424493549.7/37

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

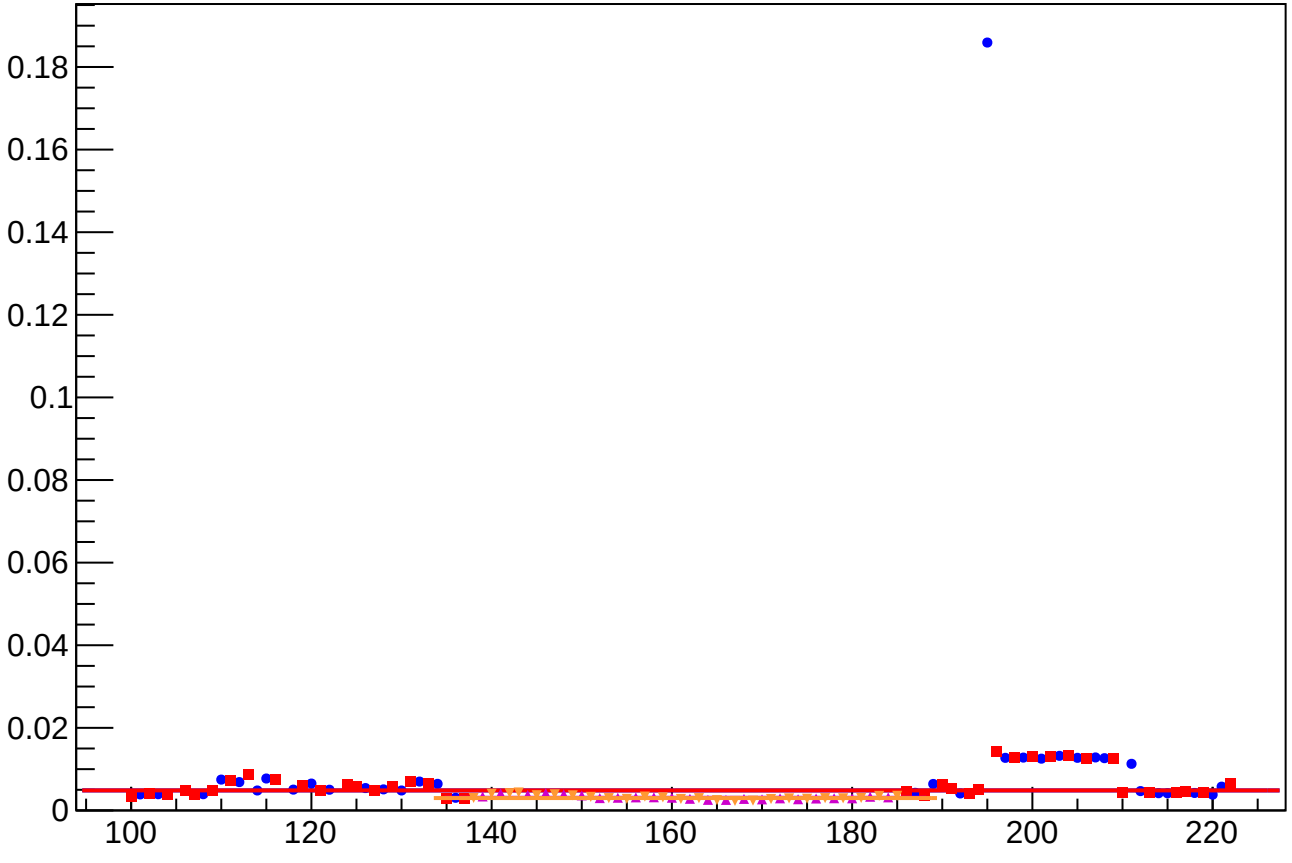
Right: 0.366+/-0.000 χ^2/NDF: 356516580831.4/71

In: 0.234+/-0.000 χ^2/NDF:216917883816.9/56

Out: 0.226+/-0.000 χ^2/NDF:186299288938.8/62

All: 0.230+/-0.000 χ^2/NDF: 403301254582.1

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: 6113020.0/37

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

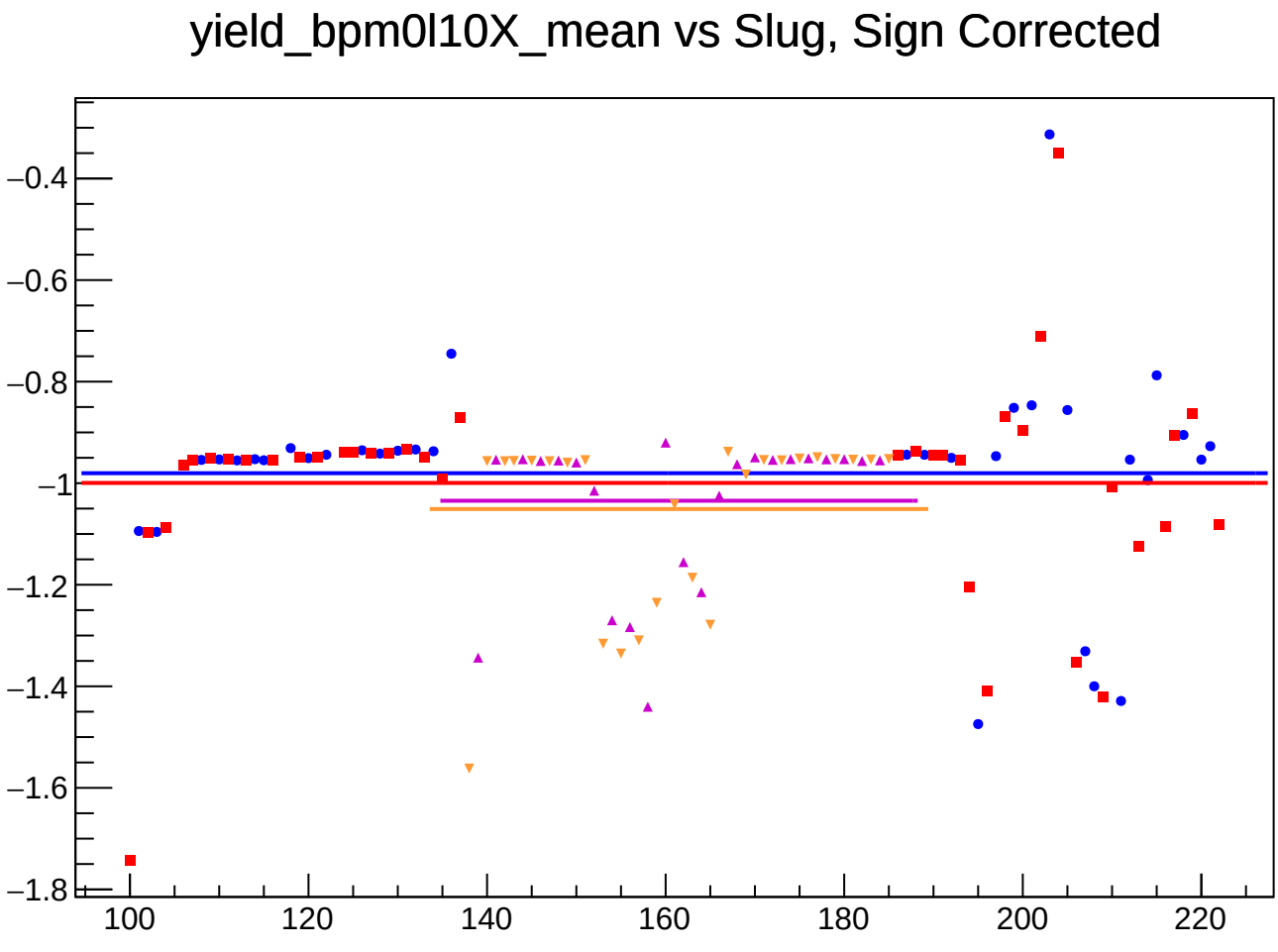
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 14261433.1/71

In: 0.004+/-0.000 χ^2/NDF:11871913.0/56

Out: 0.003+/-0.000 χ^2/NDF:10621471.7/62

All: 0.004+/-0.000 χ^2/NDF: 22506596.1/119



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: -0.999+/-0.000 χ^2/NDF: 5192550505.6/37

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

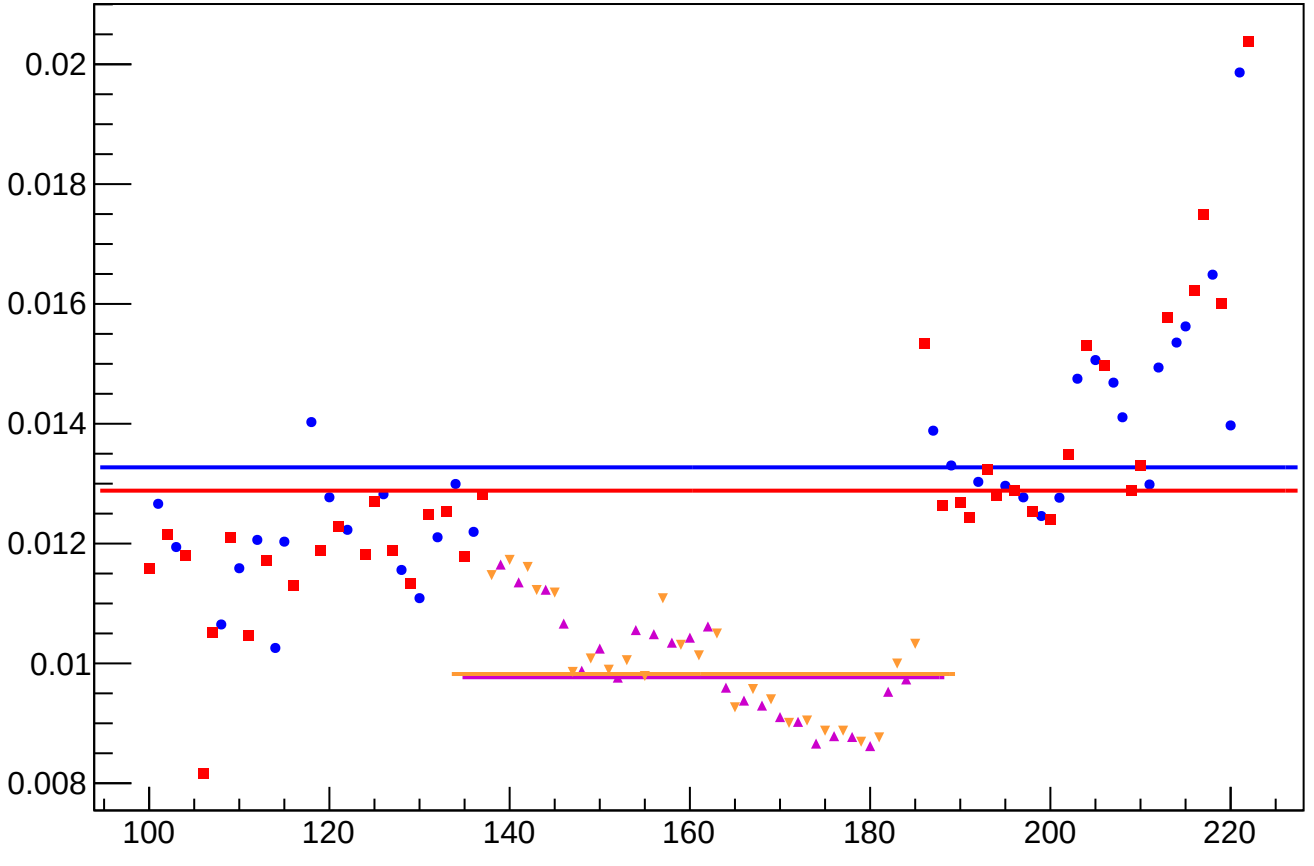
Right: -0.990+/-0.000 χ^2/NDF: 11215334690.1/71

In: -1.013+/-0.000 χ^2/NDF:10137579498.9/56

Out: -1.030+/-0.000 χ^2/NDF:10476248872.2/62

All: -1.022+/-0.000 χ^2/NDF: 20659065145.7/

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: 980535.9/37

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

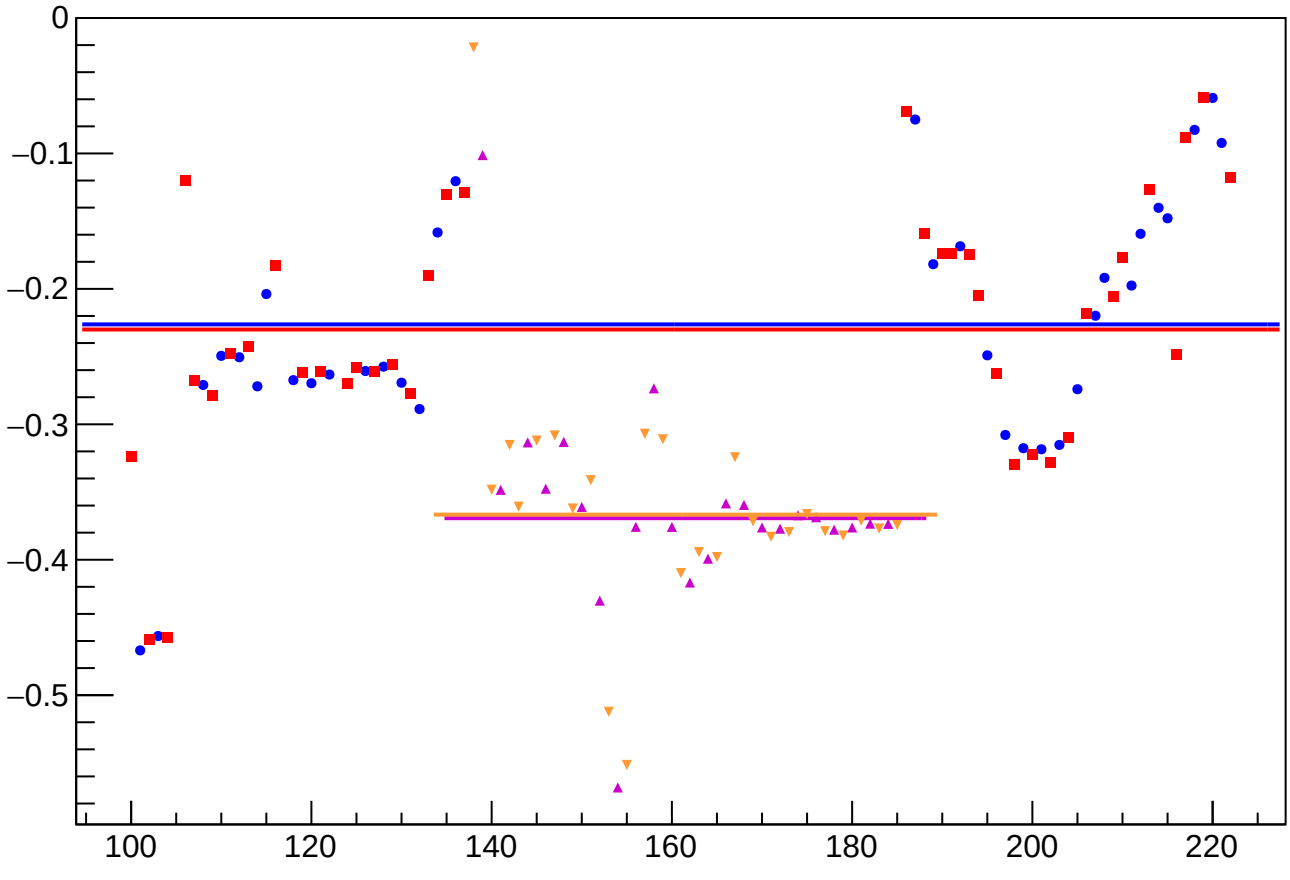
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 1640644.8/71

In: 0.011+/-0.000 χ^2/NDF:2690260.5/56

Out: 0.011+/-0.000 χ^2/NDF:2705839.2/62

All: 0.011+/-0.000 χ^2/NDF: 5399064.3/119



Right In: -0.226+/-0.000 χ^2/NDF: 13962291460.7/33

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.230+/-0.000 χ^2/NDF: 12706820597.2/37

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

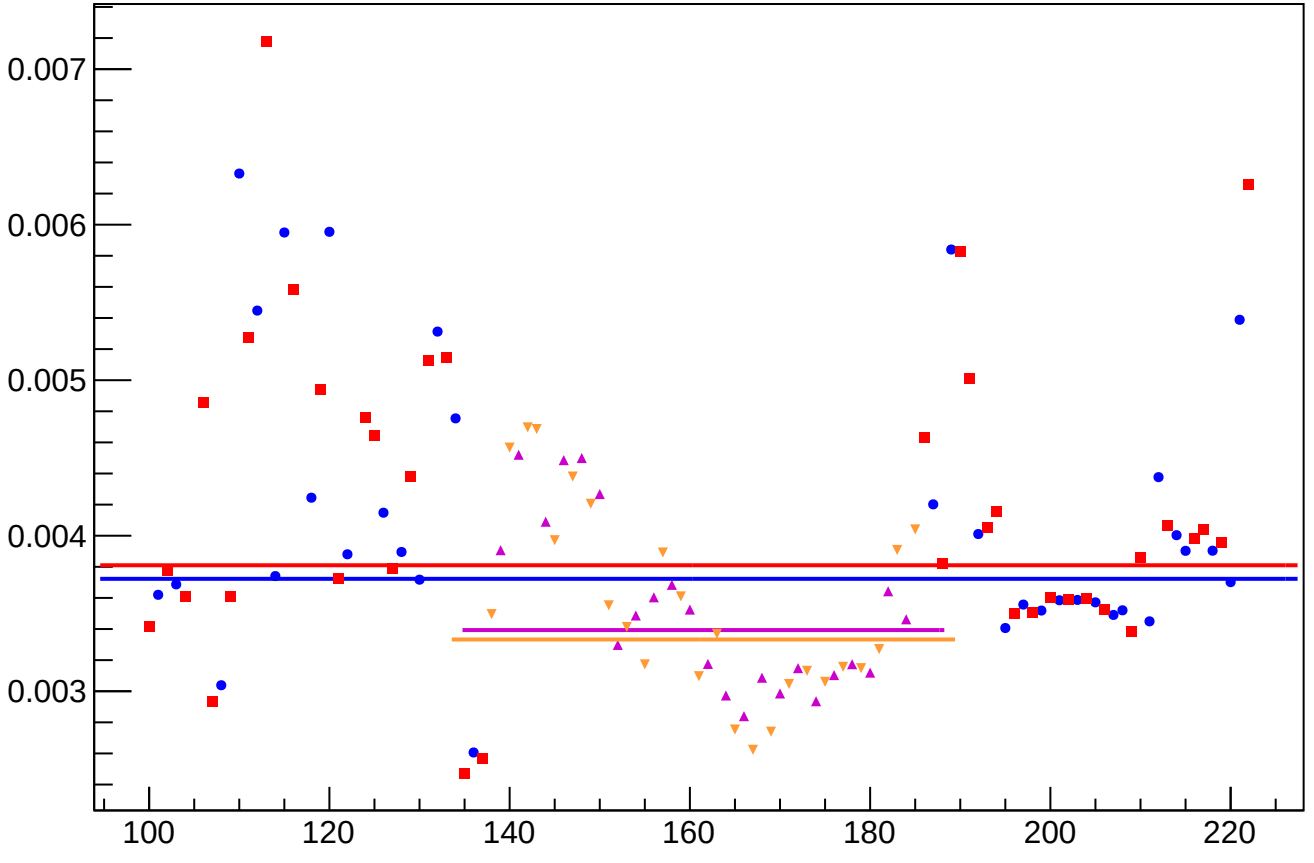
Right: -0.228+/-0.000 χ^2/NDF: 26679139123.4/71

In: -0.298+/-0.000 χ^2/NDF:36242241414.0/56

Out: -0.303+/-0.000 χ^2/NDF:38430186372.6/62

All: -0.300+/-0.000 χ^2/NDF: 74706922883.2/

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: 1388928.8/37

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

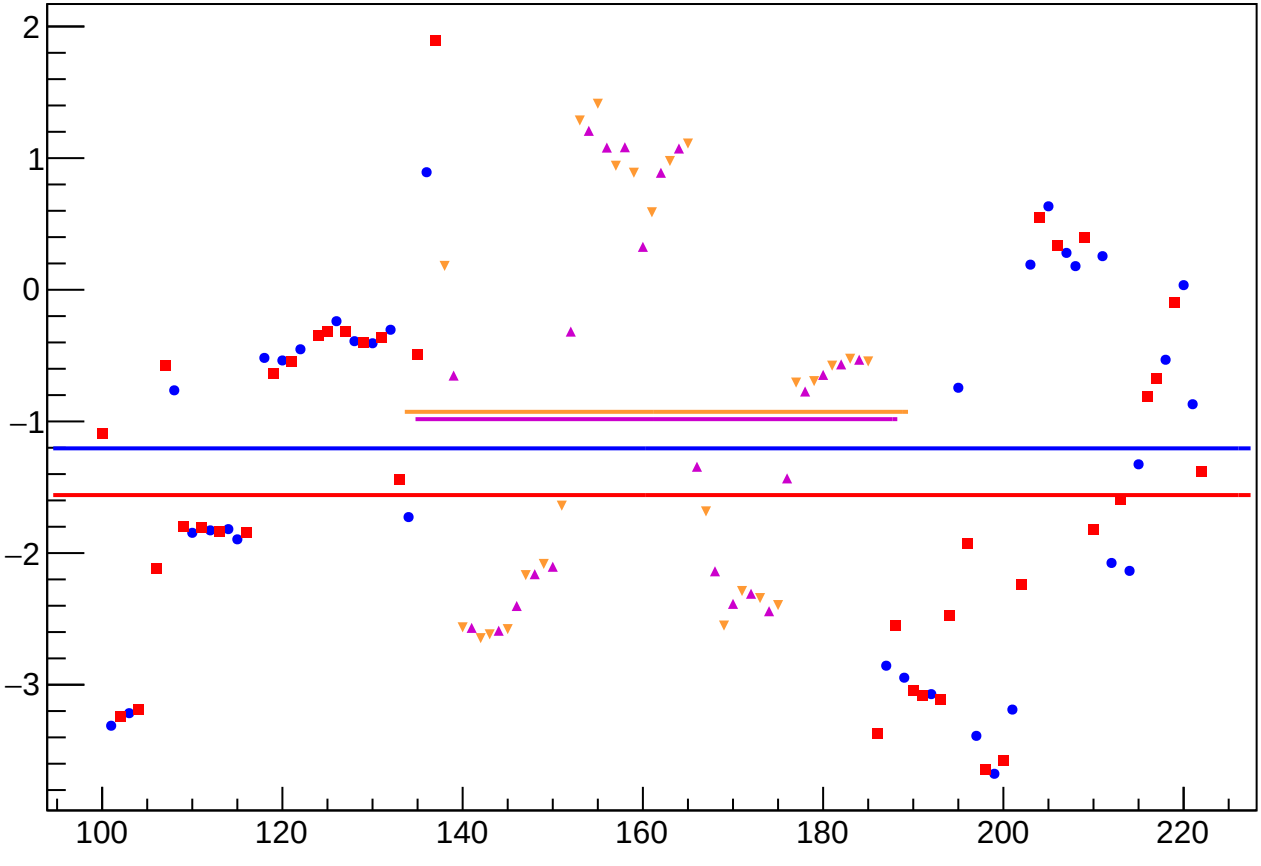
Right: 0.004+/-0.000 χ^2/NDF: 2552094.1/71

In: 0.004+/-0.000 χ^2/NDF:1941872.2/56

Out: 0.004+/-0.000 χ^2/NDF:2582520.5/62

All: 0.004+/-0.000 χ^2/NDF: 4524403.6/119

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: -1.559+/-0.000 χ^2/NDF: 6430378166.8/37

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

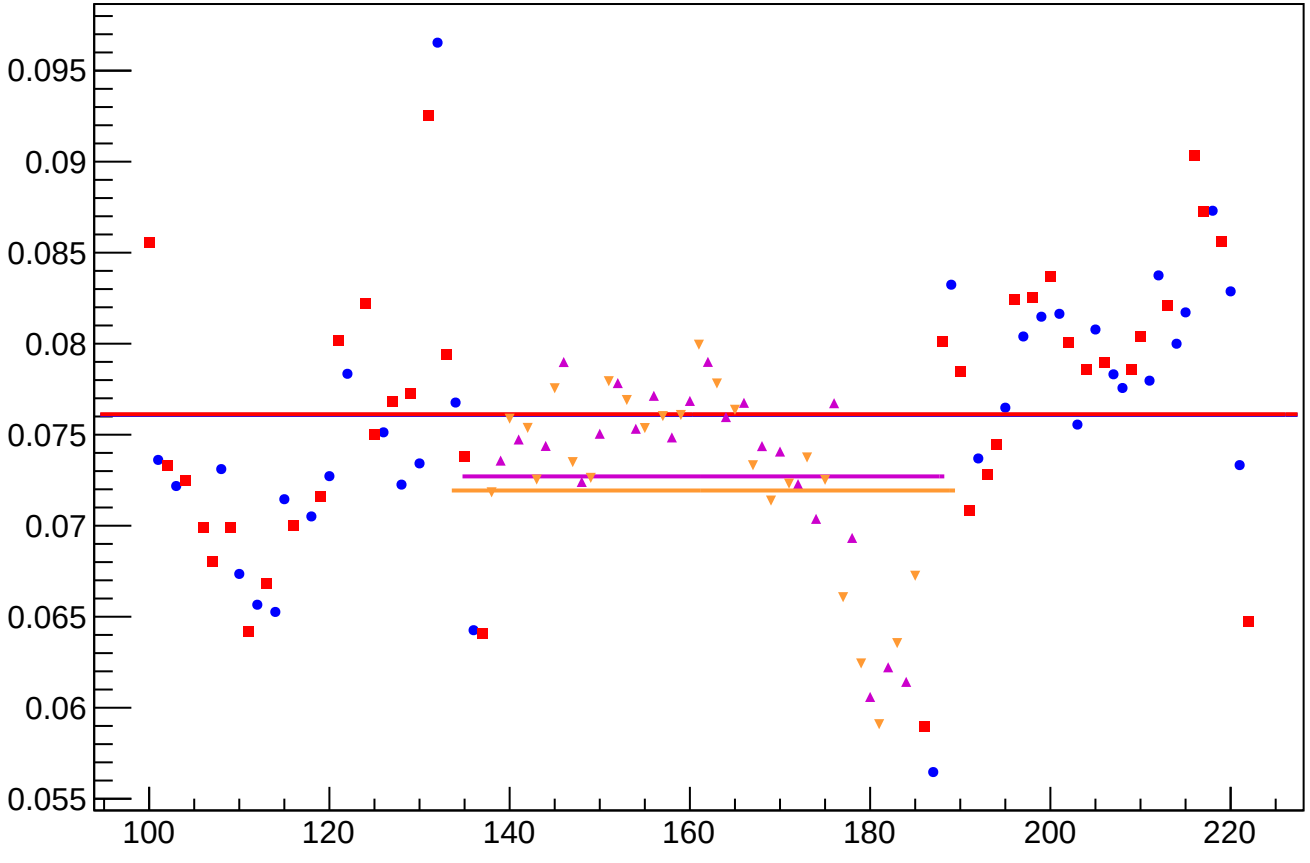
Right: -1.383+/-0.000 χ^2/NDF: 14045456922.4/71

In: -1.099+/-0.000 χ^2/NDF:13384771202.0/56

Out: -1.248+/-0.000 χ^2/NDF:14423605107.0/62

All: -1.175+/-0.000 χ^2/NDF: 27889416654.0/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 309039.0/33

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.076+/-0.000 χ^2/NDF: 405182.1/37

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

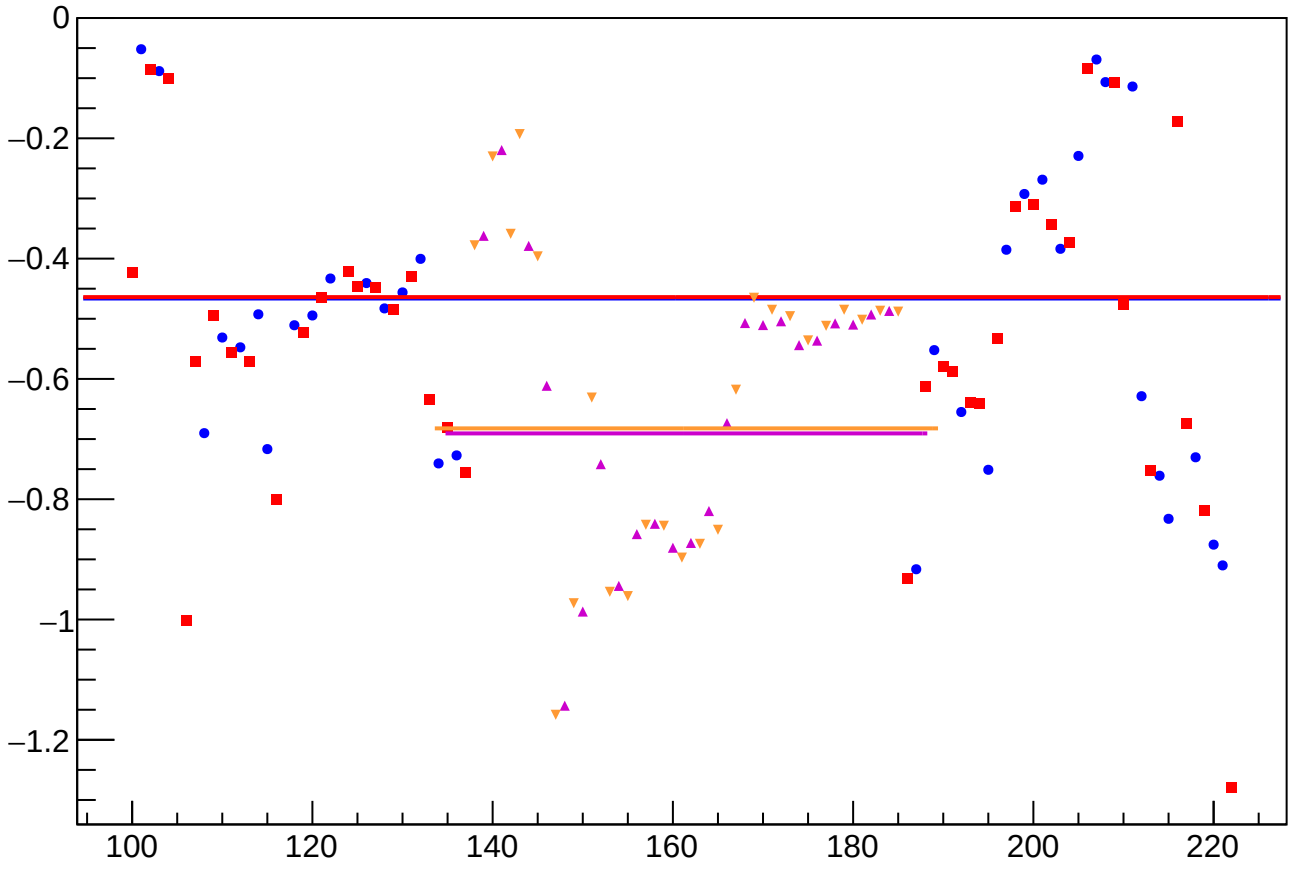
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 714226.3/71

In: 0.074+/-0.000 χ^2/NDF:546552.8/56

Out: 0.074+/-0.000 χ^2/NDF:706067.9/62

All: 0.074+/-0.000 χ^2/NDF: 1253886.7/119



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: -0.464+/-0.000 χ^2/NDF: 24076137304.6/37

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

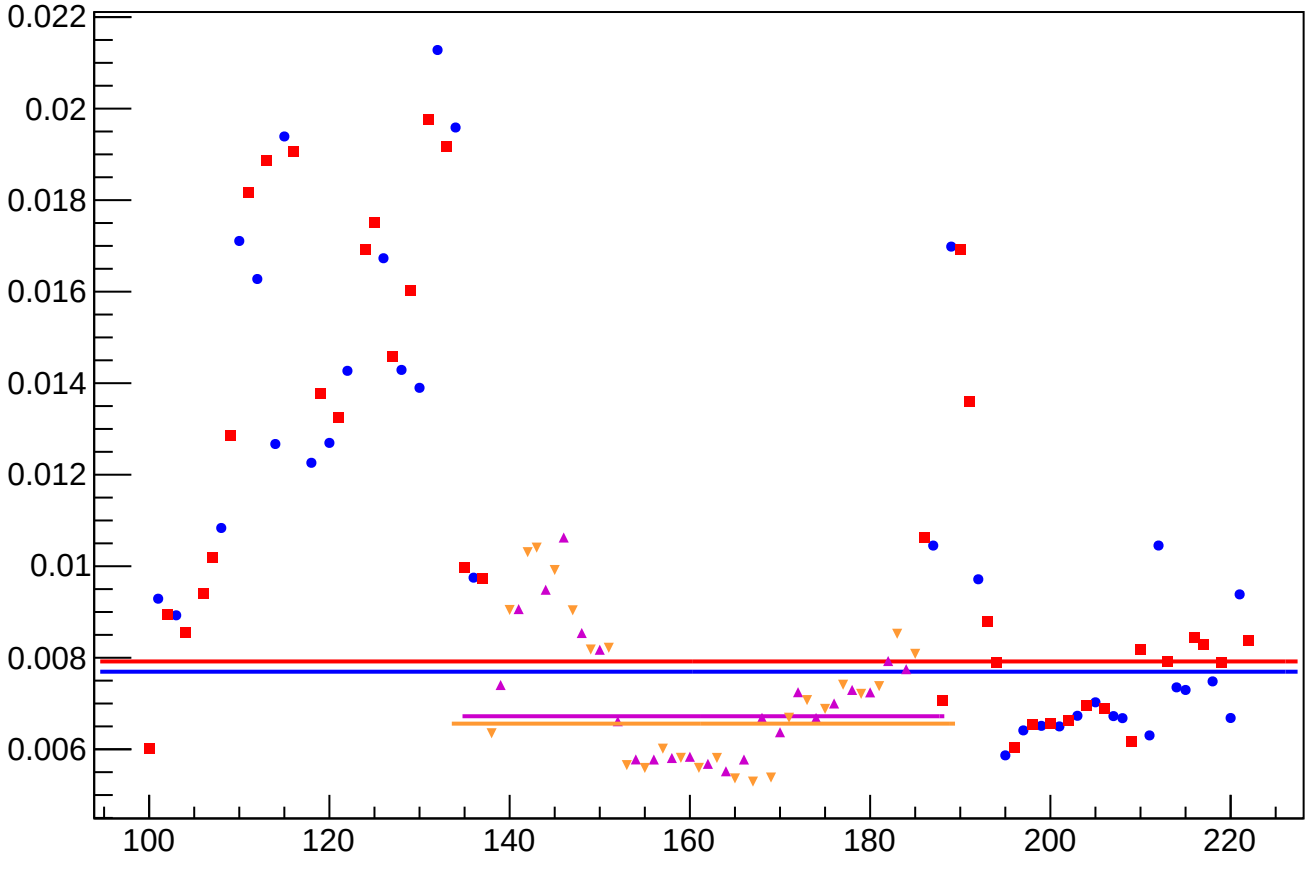
Right: -0.465+/-0.000 χ^2/NDF: 50538800333.4/71

In: -0.586+/-0.000 χ^2/NDF:51951968701.6/56

Out: -0.590+/-0.000 χ^2/NDF:54142572038.8/62

All: -0.588+/-0.000 χ^2/NDF: 106097985953.9

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3290774.4/33

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3271849.3/37

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

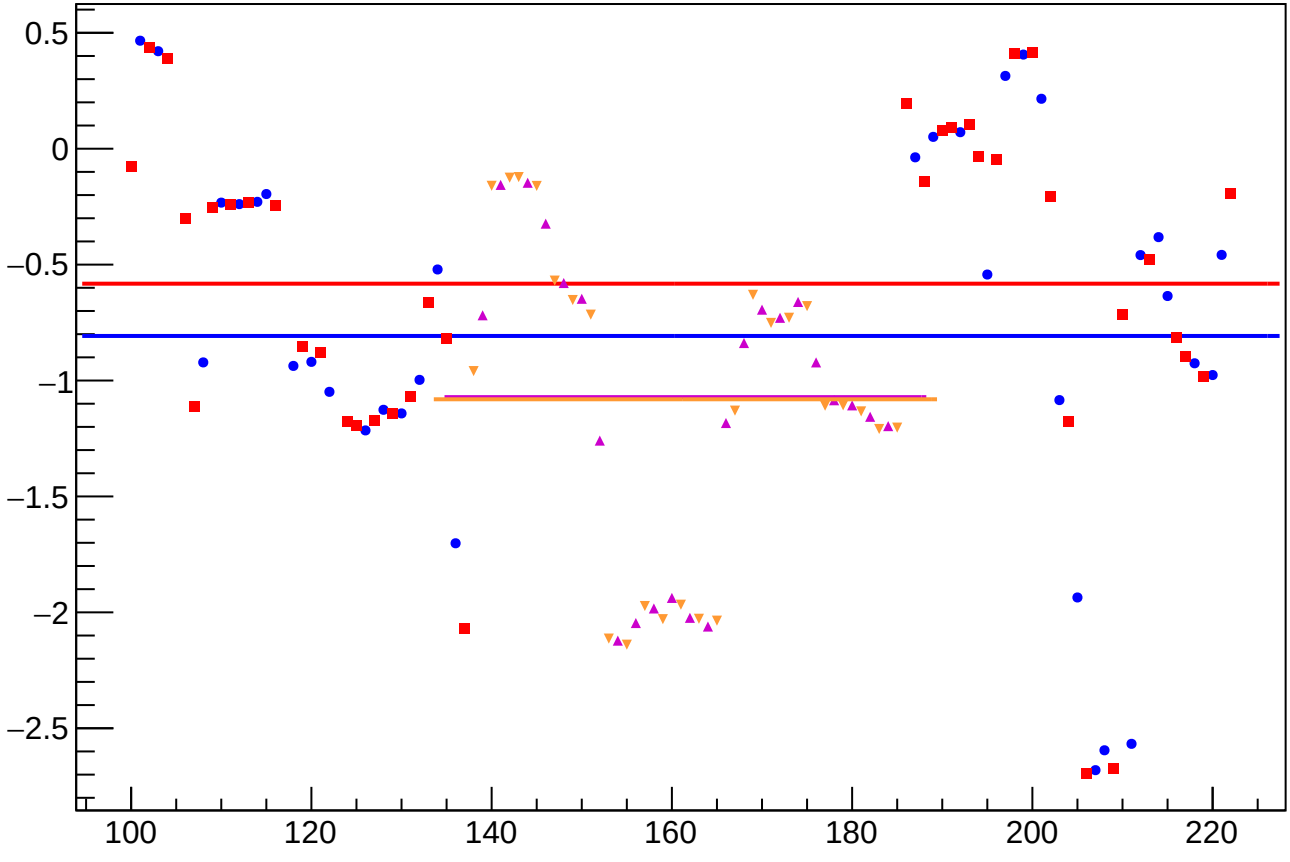
Right: 0.008+/-0.000 χ^2/NDF: 6578197.0/71

In: 0.007+/-0.000 χ^2/NDF:4576210.6/56

Out: 0.007+/-0.000 χ^2/NDF:5315533.5/62

All: 0.007+/-0.000 χ^2/NDF: 9892684.0/119

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: -0.582+/-0.000 χ^2/NDF: 1707587963.8/37

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

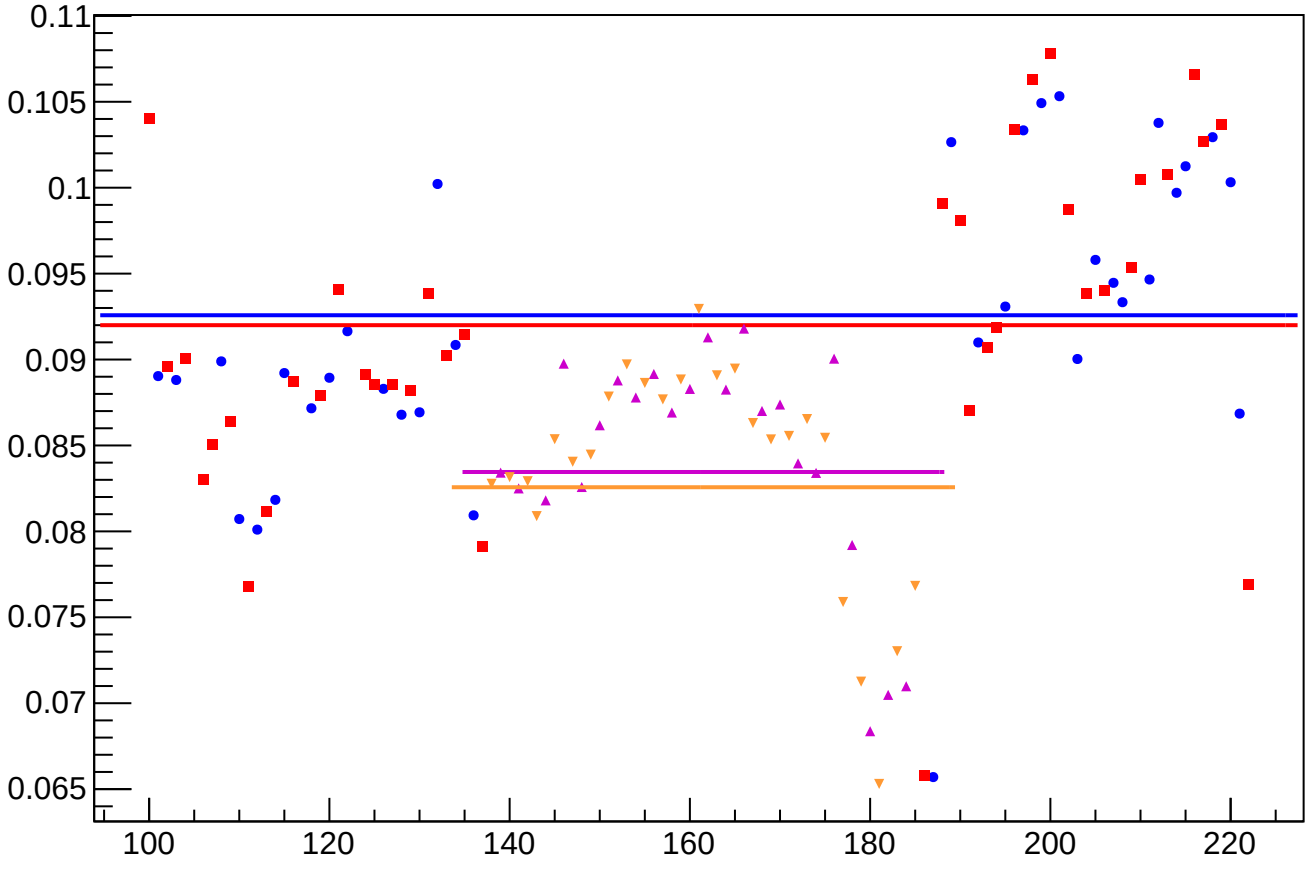
Right: -0.694+/-0.000 χ^2/NDF: 3779056152.5/71

In: -0.941+/-0.000 χ^2/NDF:3071075651.9/56

Out: -0.841+/-0.000 χ^2/NDF:3195882106.2/62

All: -0.889+/-0.000 χ^2/NDF: 6293601121.5/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 330301.1/33

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.092+/-0.000 χ^2/NDF: 496111.9/37

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

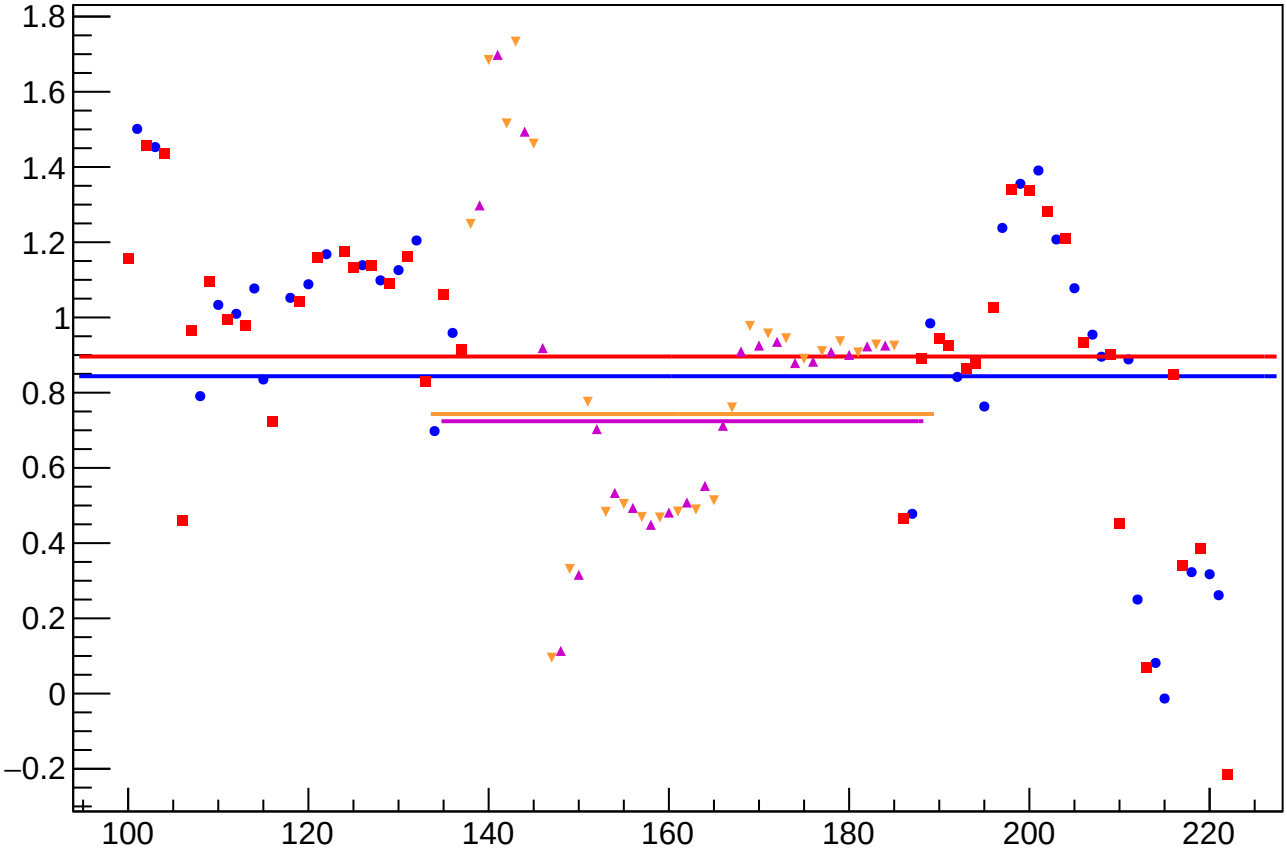
Right: 0.092+/-0.000 χ^2/NDF: 827275.0/71

In: 0.088+/-0.000 χ^2/NDF:782492.9/56

Out: 0.087+/-0.000 χ^2/NDF:1027589.5/62

All: 0.088+/-0.000 χ^2/NDF: 1813927.3/119

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: 0.896+/-0.000 χ^2/NDF: 23960250984.4/37

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

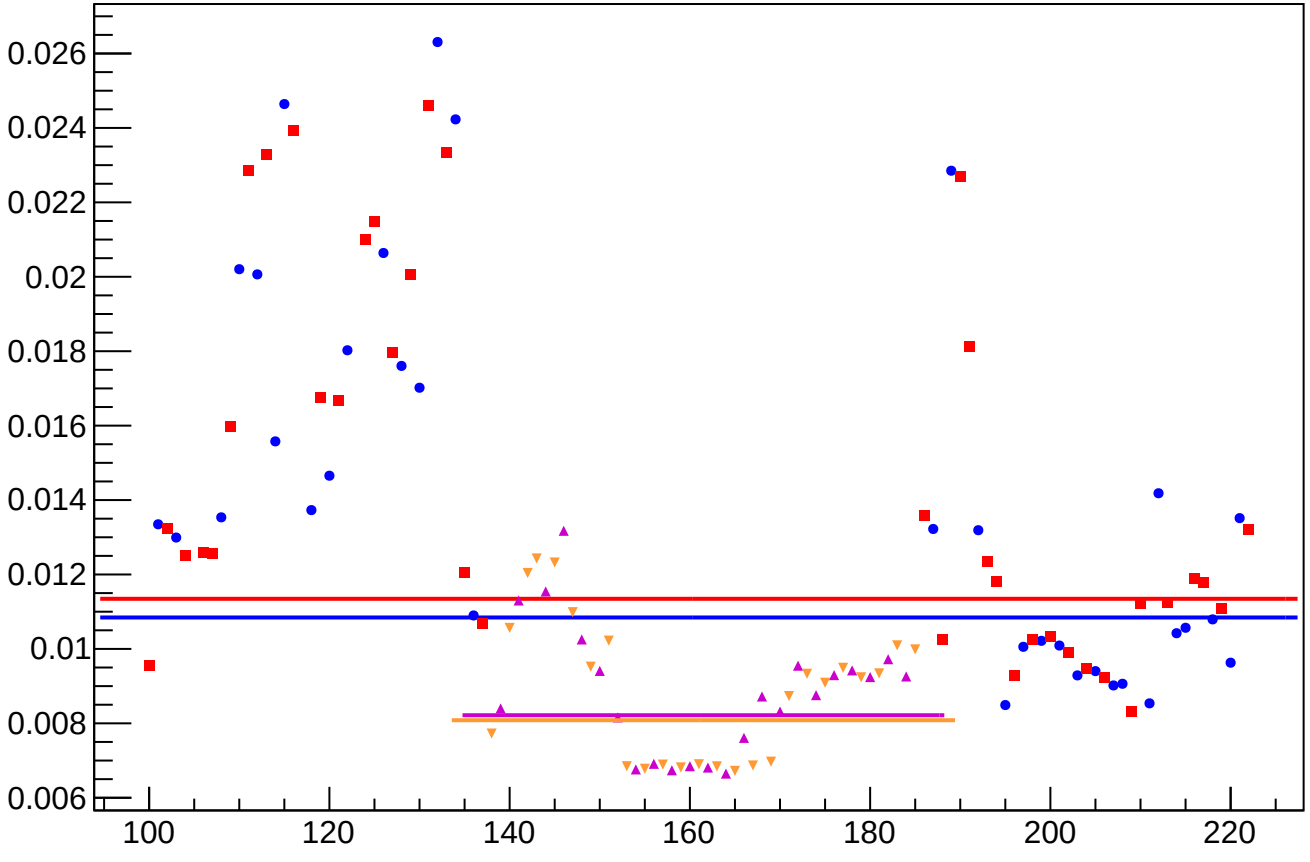
Right: 0.869+/-0.000 χ^2/NDF: 53797586995.7/71

In: 0.772+/-0.000 χ^2/NDF:56689116461.0/56

Out: 0.798+/-0.000 χ^2/NDF:58798680179.4/62

All: 0.785+/-0.000 χ^2/NDF: 115626599561.1

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: 2498484.7/37

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

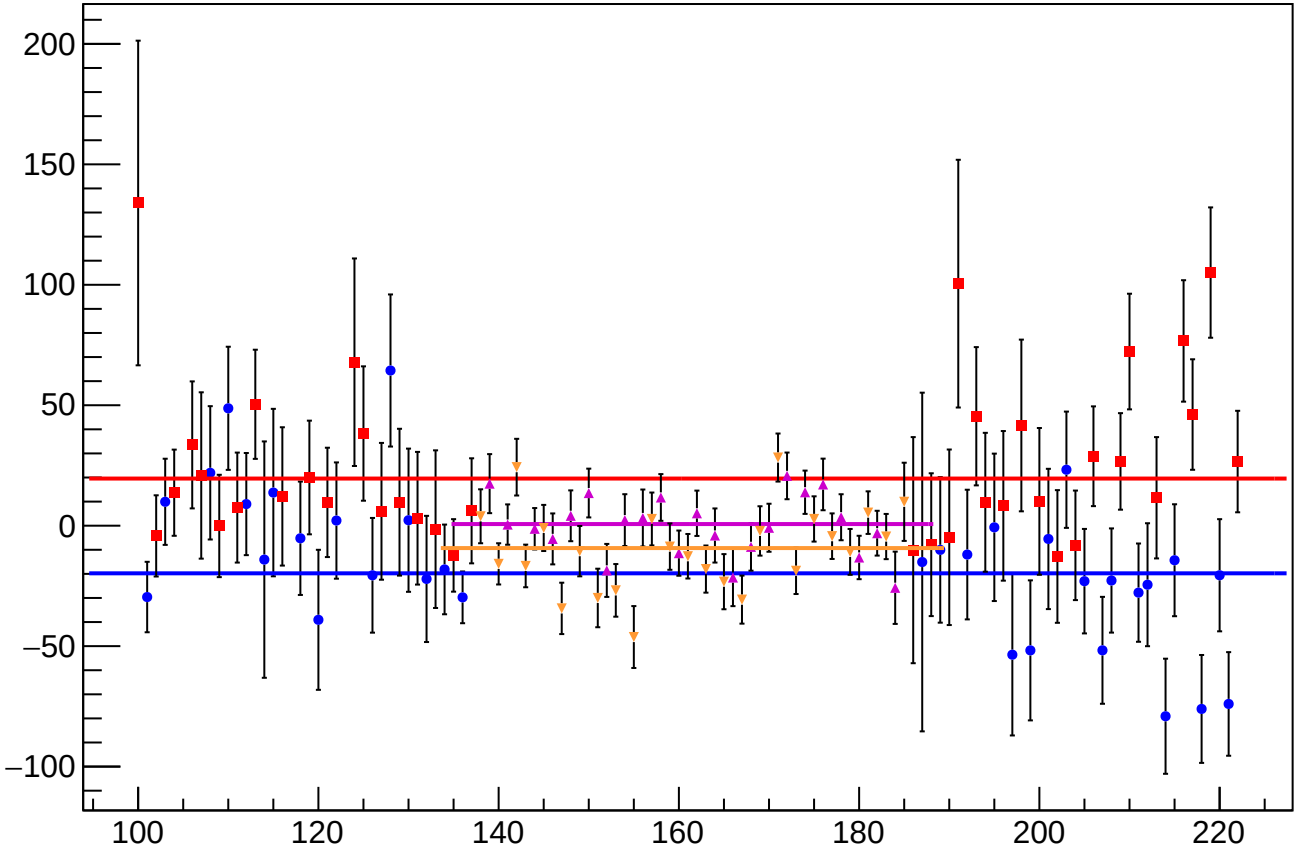
Right: 0.011+/-0.000 χ^2/NDF: 5033261.7/71

In: 0.009+/-0.000 χ^2/NDF:4985781.4/56

Out: 0.009+/-0.000 χ^2/NDF:5961058.9/62

All: 0.009+/-0.000 χ^2/NDF: 10947011.4/119

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: 19.566+/-4.095 χ^2/NDF: 46.6/37

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

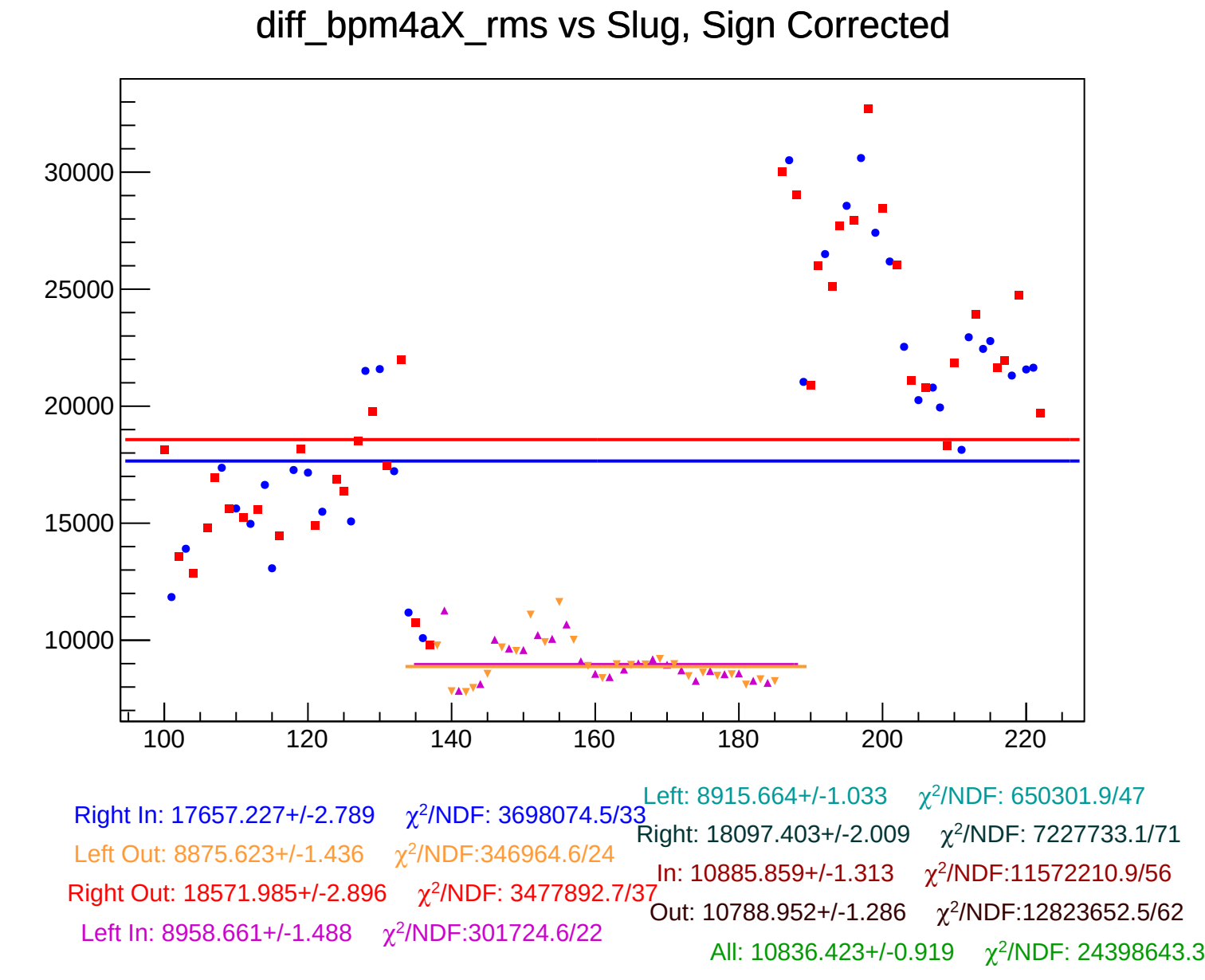
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.843+/-2.841 χ^2/NDF: 147.5/71

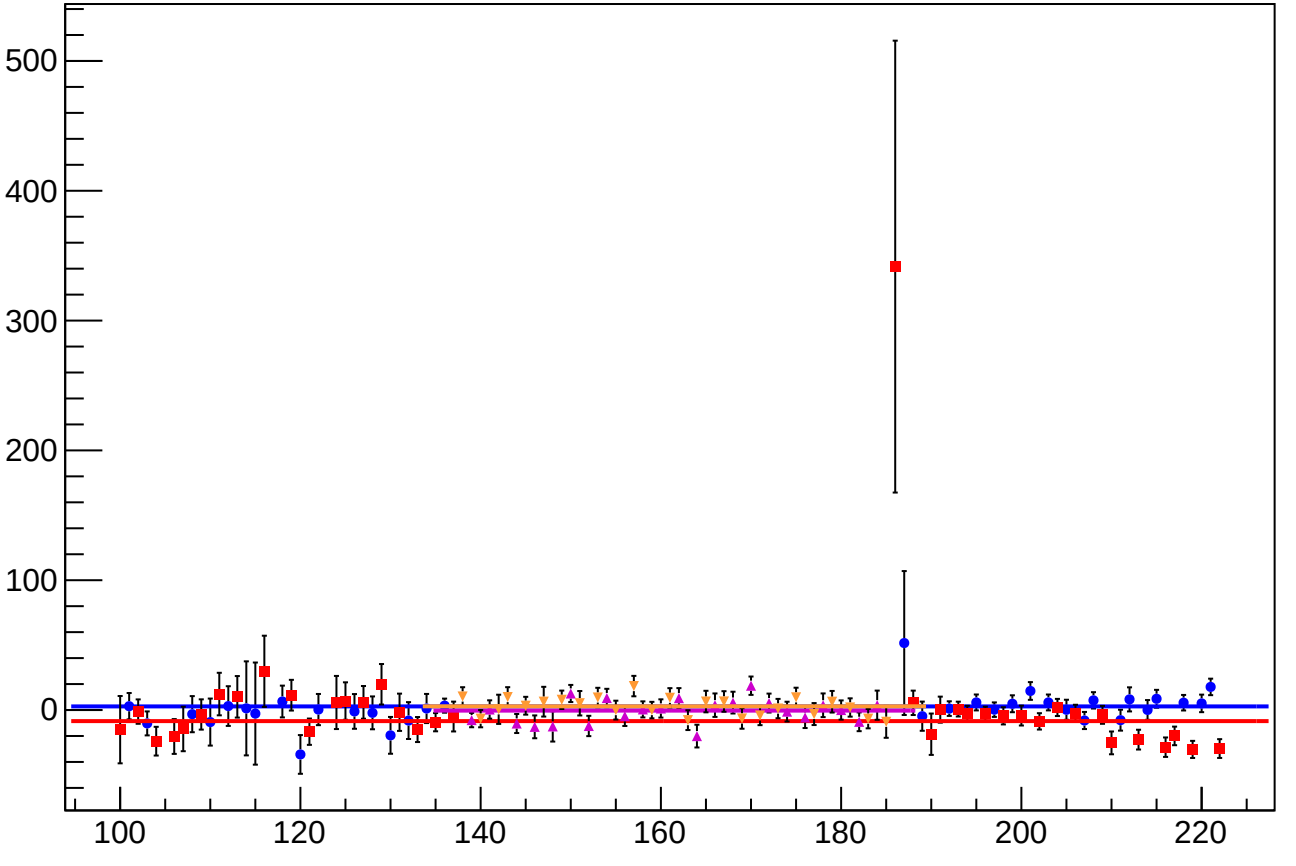
In: -3.854+/-1.857 χ^2/NDF:103.4/56

Out: -3.597+/-1.819 χ^2/NDF:147.6/62

All: -3.723+/-1.299 χ^2/NDF: 251.0/119


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17657.227+/-2.789 χ²/NDF: 3698074.5/33
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 18571.985+/-2.896 χ²/NDF: 3477892.7/37
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 18097.403+/-2.009 χ²/NDF: 7227733.1/71
In: 10885.859+/-1.313 χ²/NDF:11572210.9/56
Out: 10788.952+/-1.286 χ²/NDF:12823652.5/62
All: 10836.423+/-0.919 χ²/NDF: 24398643.3

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: -8.538+/-1.438 χ^2/NDF: 72.3/37

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

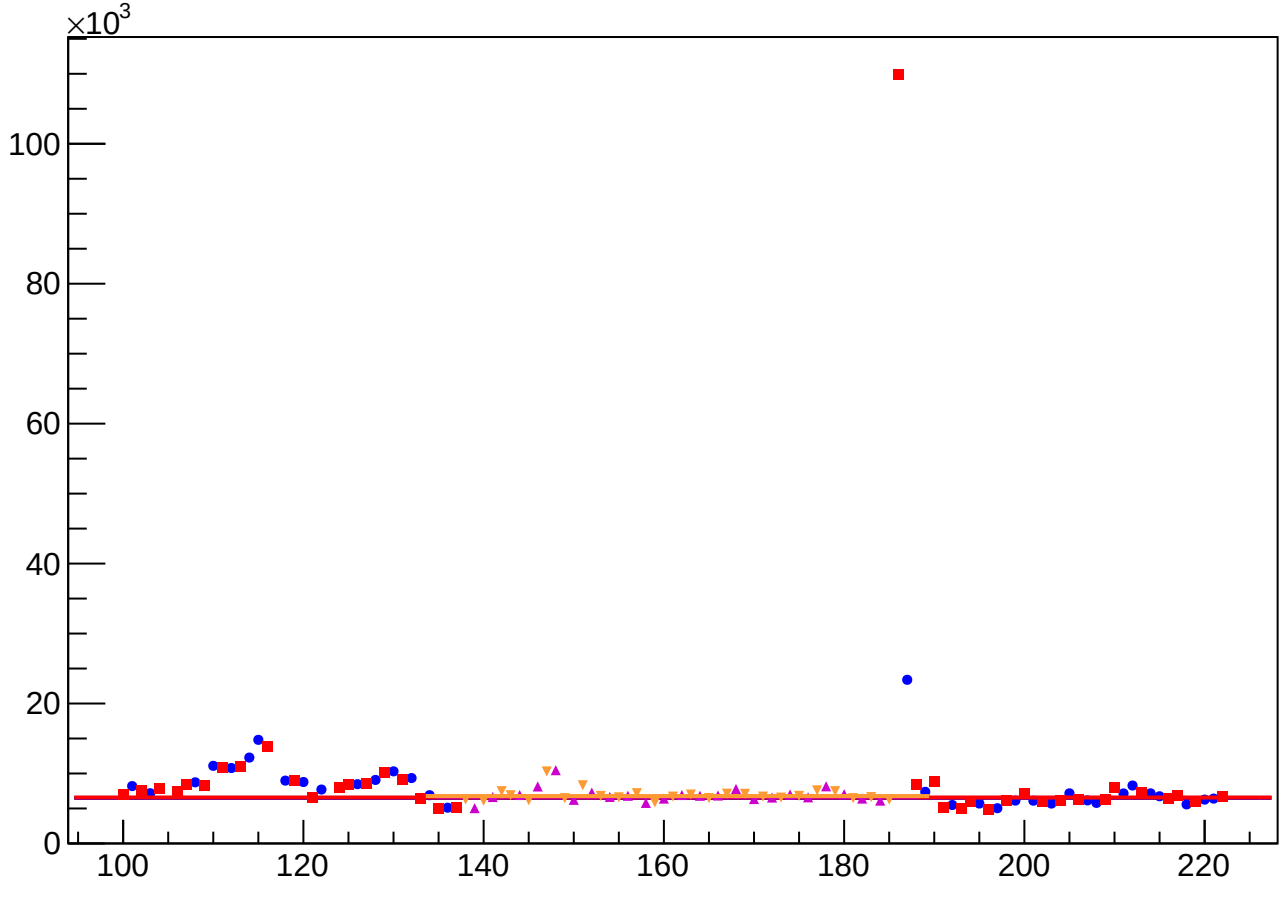
Right: -2.824+/-1.012 χ^2/NDF: 133.2/71

In: 1.334+/-1.059 χ^2/NDF:64.8/56

Out: -3.269+/-1.055 χ^2/NDF:120.8/62

All: -0.975+/-0.748 χ^2/NDF: 195.1/119

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6506.969+/-1.008 χ^2/NDF: 1855689.3/33

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6563.899+/-1.017 χ^2/NDF: 2419805.8/37

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

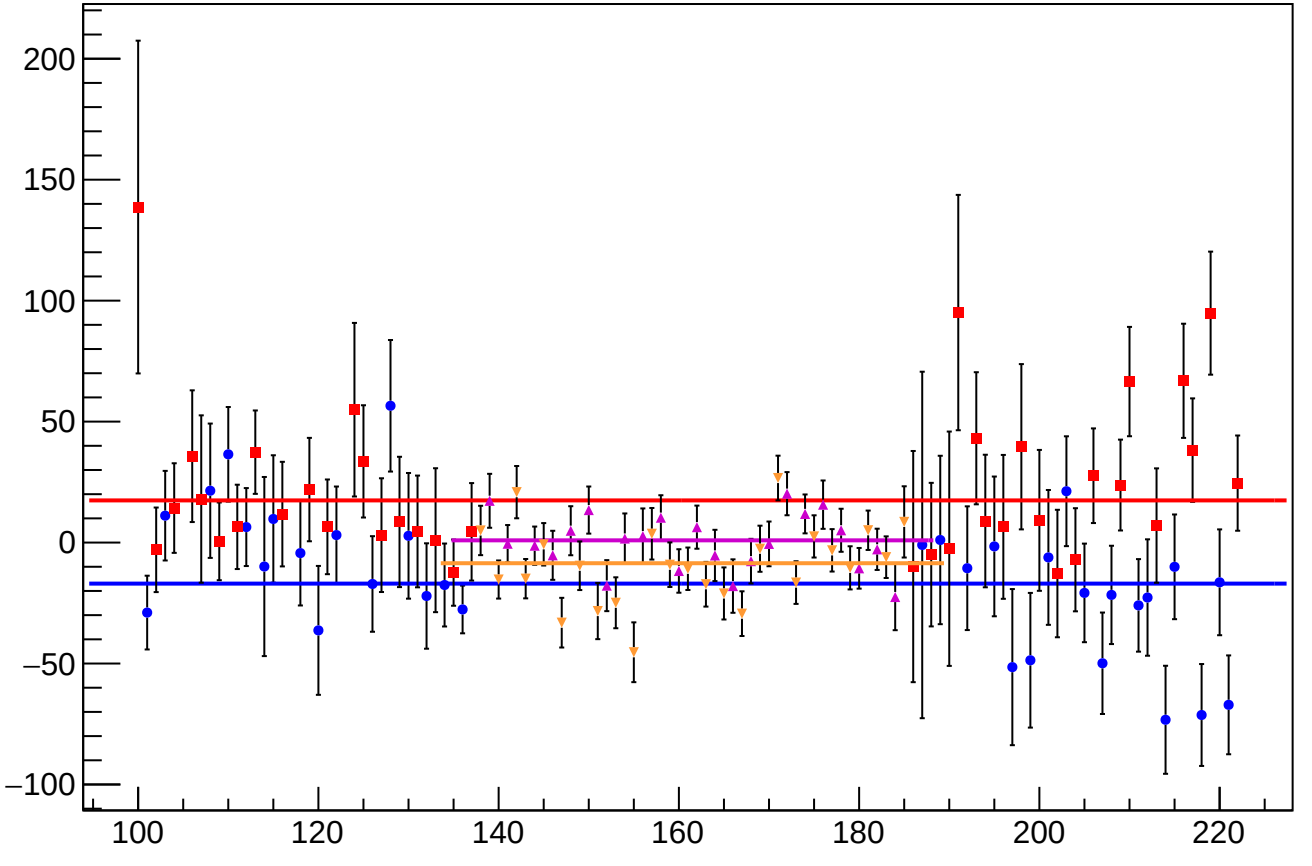
Right: 6535.178+/-0.716 χ^2/NDF: 4277076.0/71

In: 6588.809+/-0.749 χ^2/NDF:2490675.2/56

Out: 6662.115+/-0.746 χ^2/NDF:2840183.8/62

All: 6625.577+/-0.529 χ^2/NDF: 5335667.6/11

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: 17.426+/-3.729 χ^2/NDF: 44.0/37

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

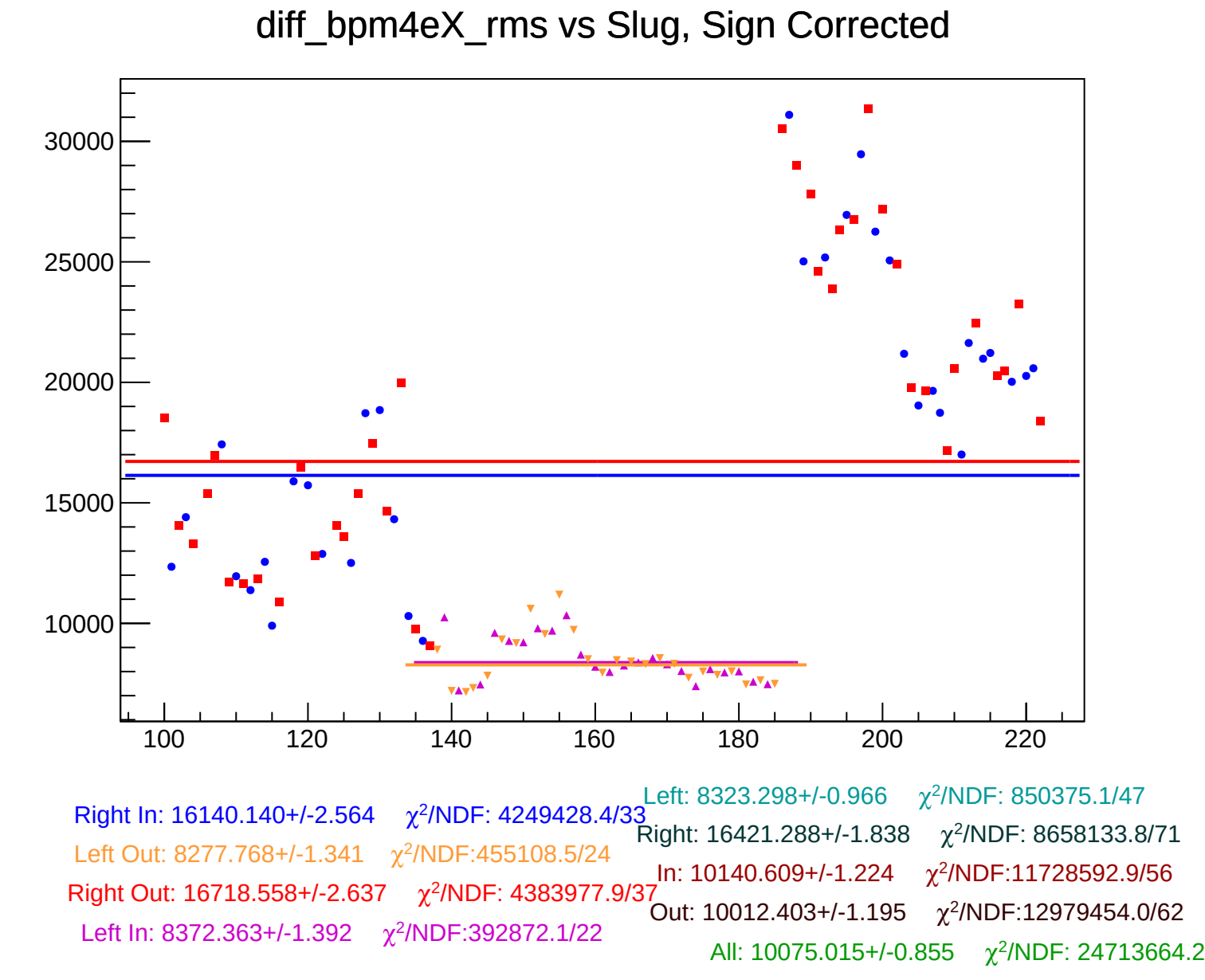
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: -0.249+/-2.600 χ^2/NDF: 142.2/71

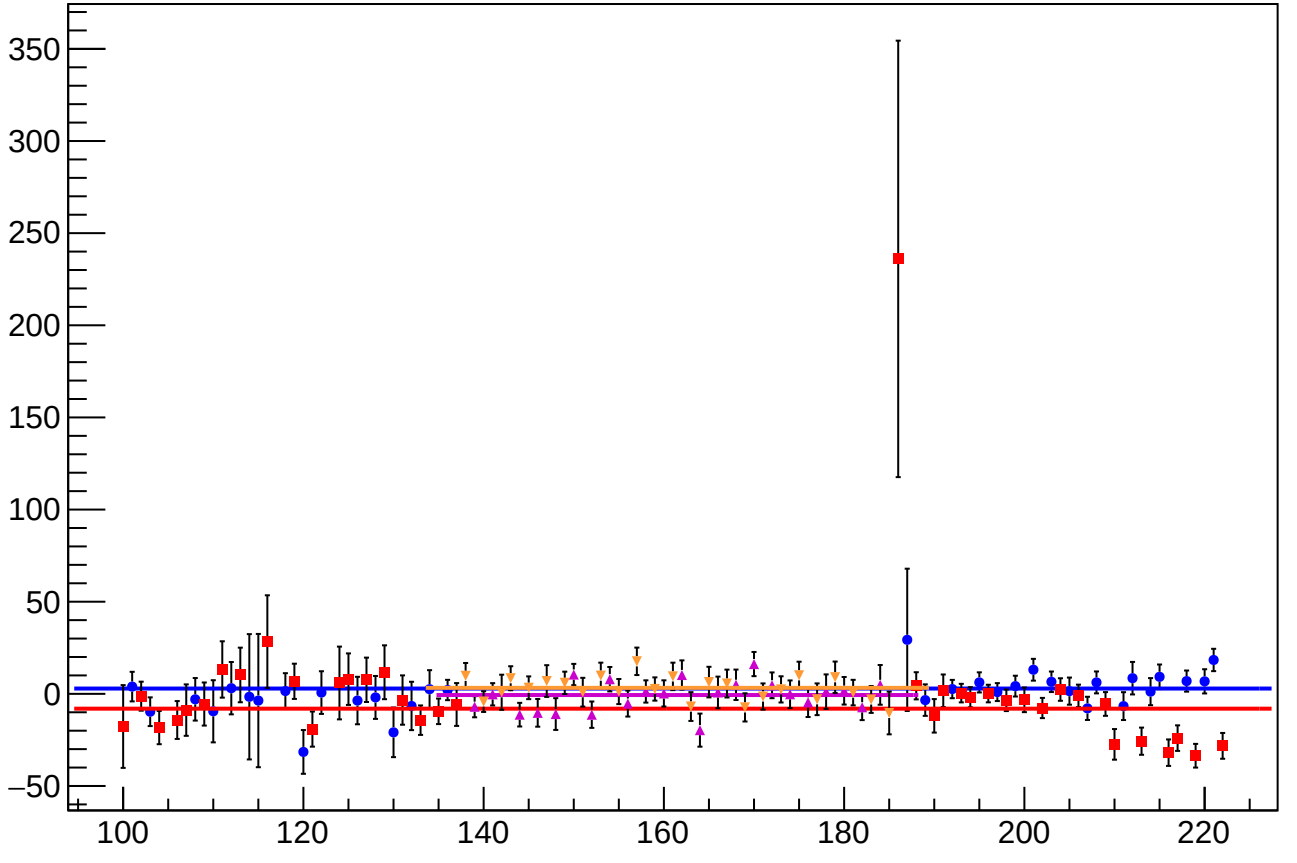
In: -3.152+/-1.730 χ^2/NDF:102.4/56

Out: -3.201+/-1.691 χ^2/NDF:144.4/62

All: -3.177+/-1.209 χ^2/NDF: 246.8/119


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: 16718.558+/-2.637 χ²/NDF: 4383977.9/37
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16421.288+/-1.838 χ²/NDF: 8658133.8/71
In: 10140.609+/-1.224 χ²/NDF:11728592.9/56
Out: 10012.403+/-1.195 χ²/NDF:12979454.0/62
All: 10075.015+/-0.855 χ²/NDF: 24713664.2

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 2.877+/-1.303 χ^2/NDF: 34.6/33

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -8.043+/-1.297 χ^2/NDF: 90.7/37

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

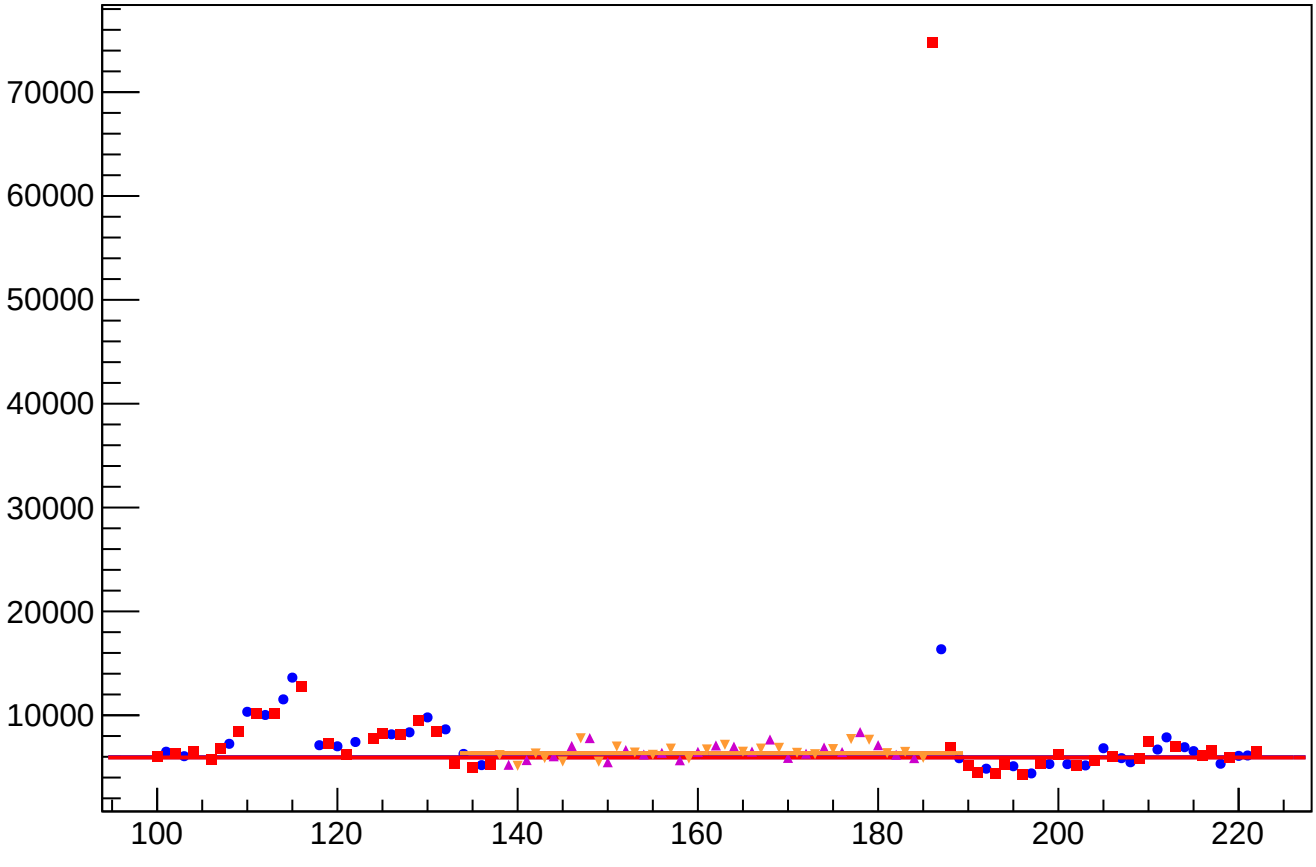
Right: -2.608+/-0.920 χ^2/NDF: 160.6/71

In: 1.361+/-0.984 χ^2/NDF:68.5/56

Out: -3.047+/-0.969 χ^2/NDF:141.8/62

All: -0.876+/-0.690 χ^2/NDF: 220.6/119

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: 5931.367+/-0.917 χ^2/NDF: 2469758.8/37

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

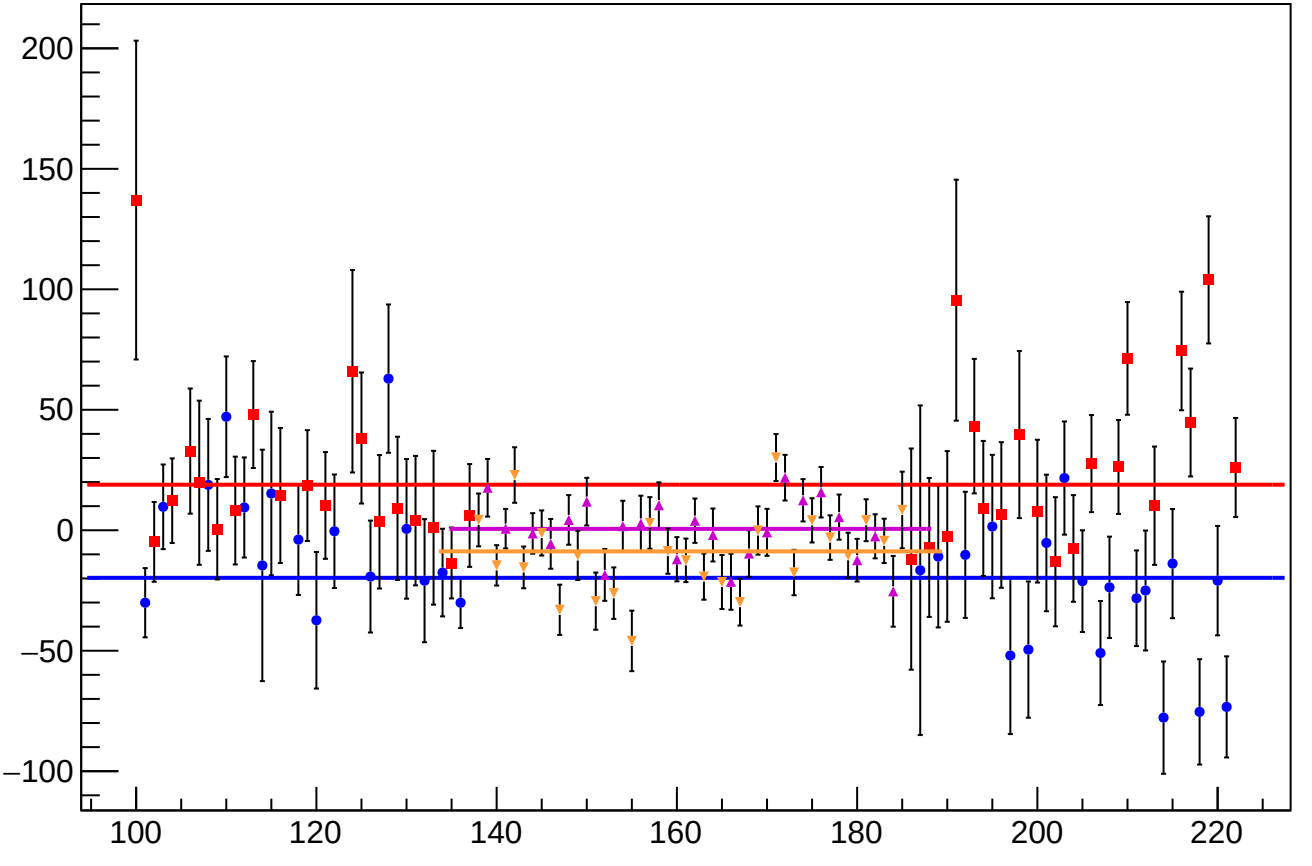
Right: 5945.079+/-0.650 χ^2/NDF: 4274727.0/71

In: 6131.518+/-0.696 χ^2/NDF:2359883.7/56

Out: 6119.863+/-0.685 χ^2/NDF:2979328.9/62

All: 6125.603+/-0.488 χ^2/NDF: 5339355.1/11

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: 18.906+/-4.000 χ^2/NDF: 47.4/37

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

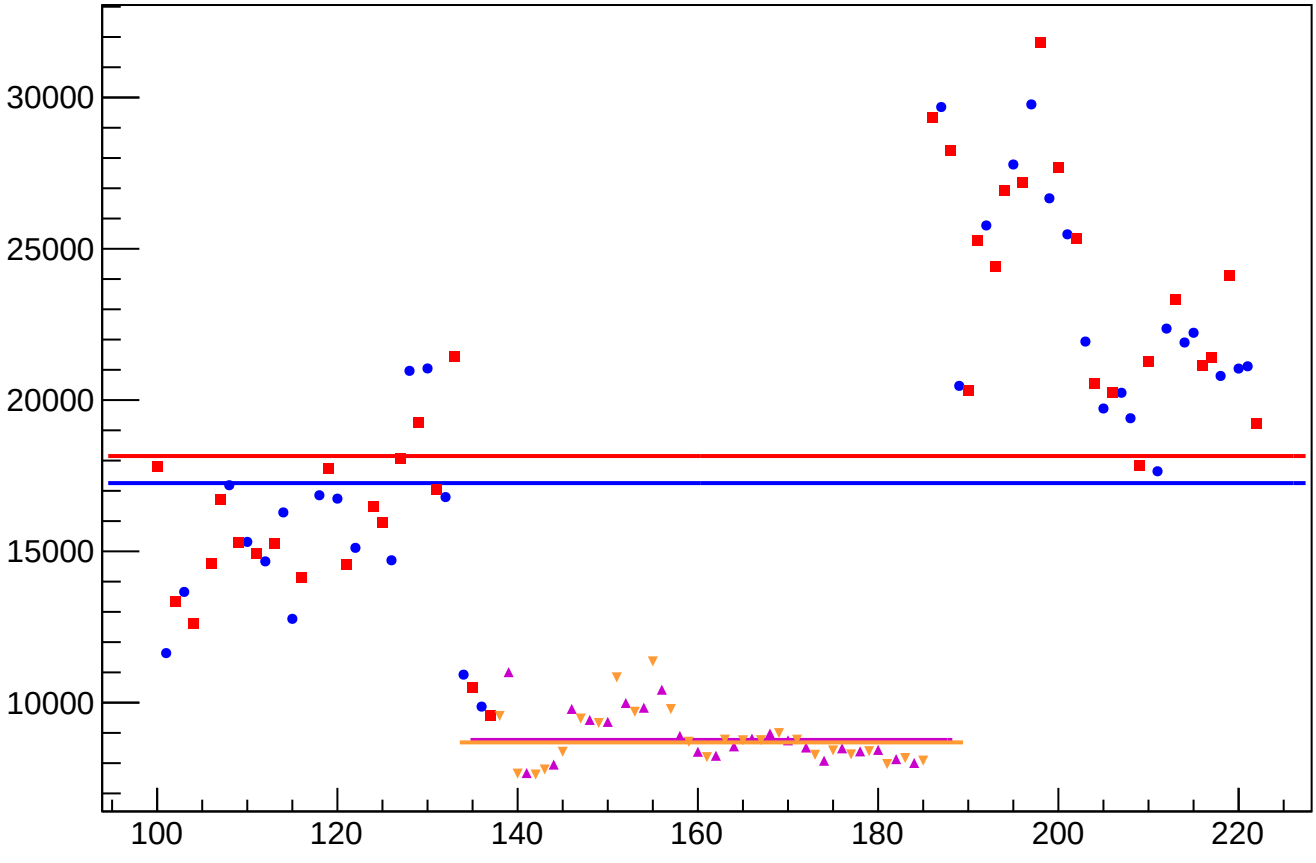
Right: -1.144+/-2.775 χ^2/NDF: 149.4/71

In: -3.937+/-1.816 χ^2/NDF:104.7/56

Out: -3.289+/-1.779 χ^2/NDF:148.5/62

All: -3.606+/-1.271 χ^2/NDF: 253.3/119

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: 18150.201+/-2.828 χ^2/NDF: 3422529.8/37

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

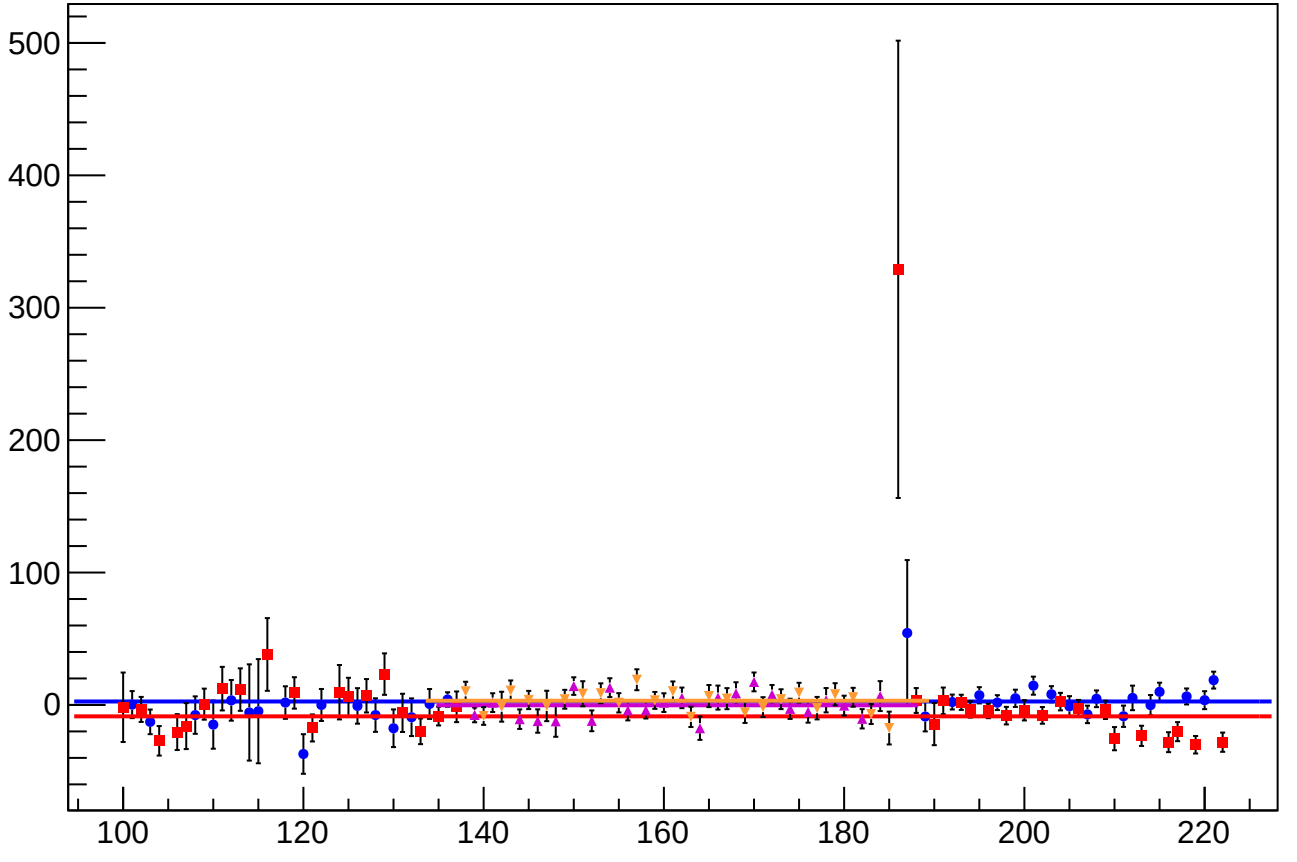
Right: 17686.287+/-1.962 χ^2/NDF: 7118686.3/71

In: 10654.237+/-1.284 χ^2/NDF:11493465.8/56

Out: 10559.374+/-1.258 χ^2/NDF:12744489.2/62

All: 10605.844+/-0.899 χ^2/NDF: 24240739.3

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 2.614+/-1.430 χ^2/NDF: 34.0/33

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -8.625+/-1.443 χ^2/NDF: 73.8/37

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

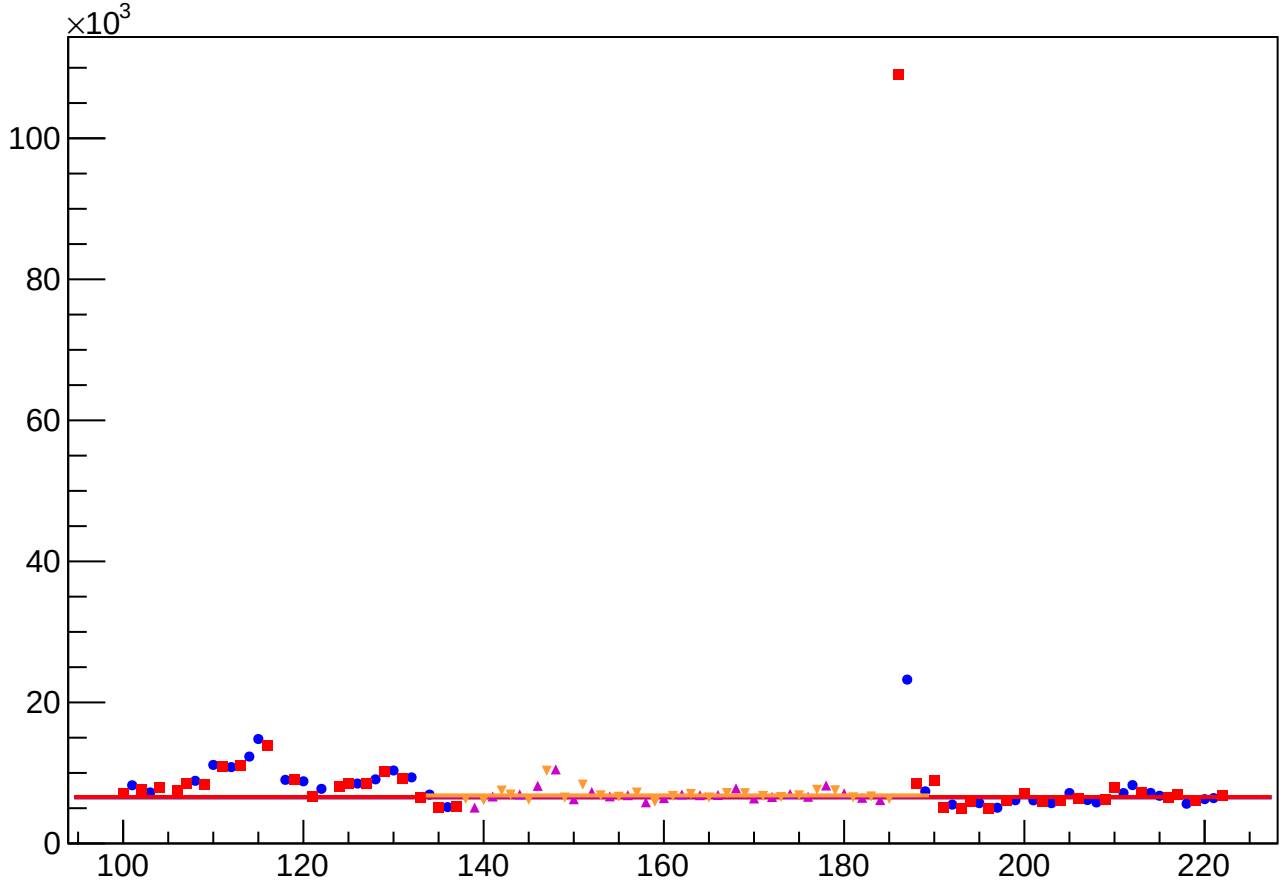
Right: -2.954+/-1.016 χ^2/NDF: 138.4/71

In: 1.325+/-1.063 χ^2/NDF:70.1/56

Out: -3.193+/-1.060 χ^2/NDF:126.2/62

All: -0.941+/-0.751 χ^2/NDF: 205.3/119

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: 6586.951+/-1.020 χ^2/NDF: 2412445.1/37

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

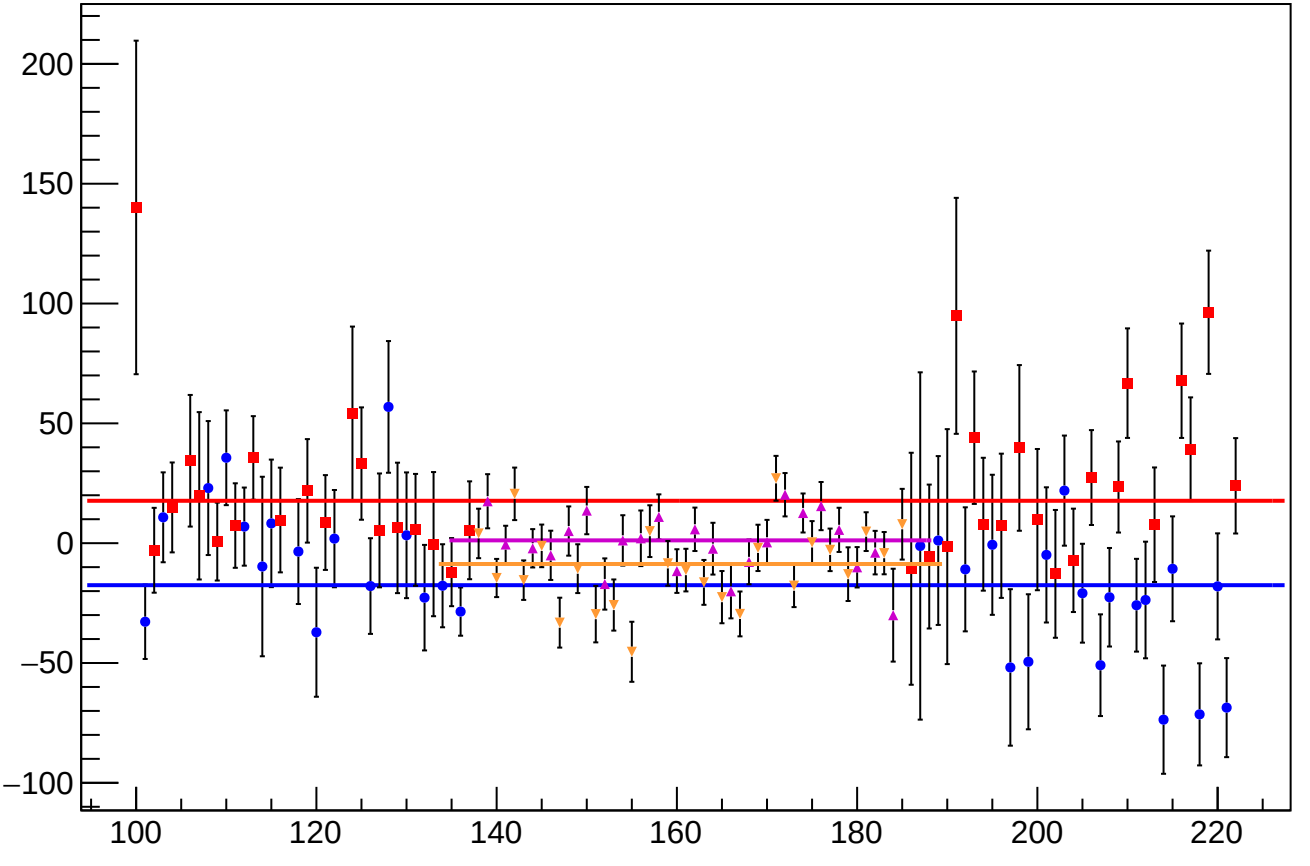
Right: 6557.608+/-0.718 χ^2/NDF: 4260912.4/71

In: 6617.788+/-0.752 χ^2/NDF:2474196.5/56

Out: 6691.028+/-0.749 χ^2/NDF:2829661.6/62

All: 6654.524+/-0.531 χ^2/NDF: 5308618.5/11

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: 17.690+/-3.780 χ^2/NDF: 42.8/37

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

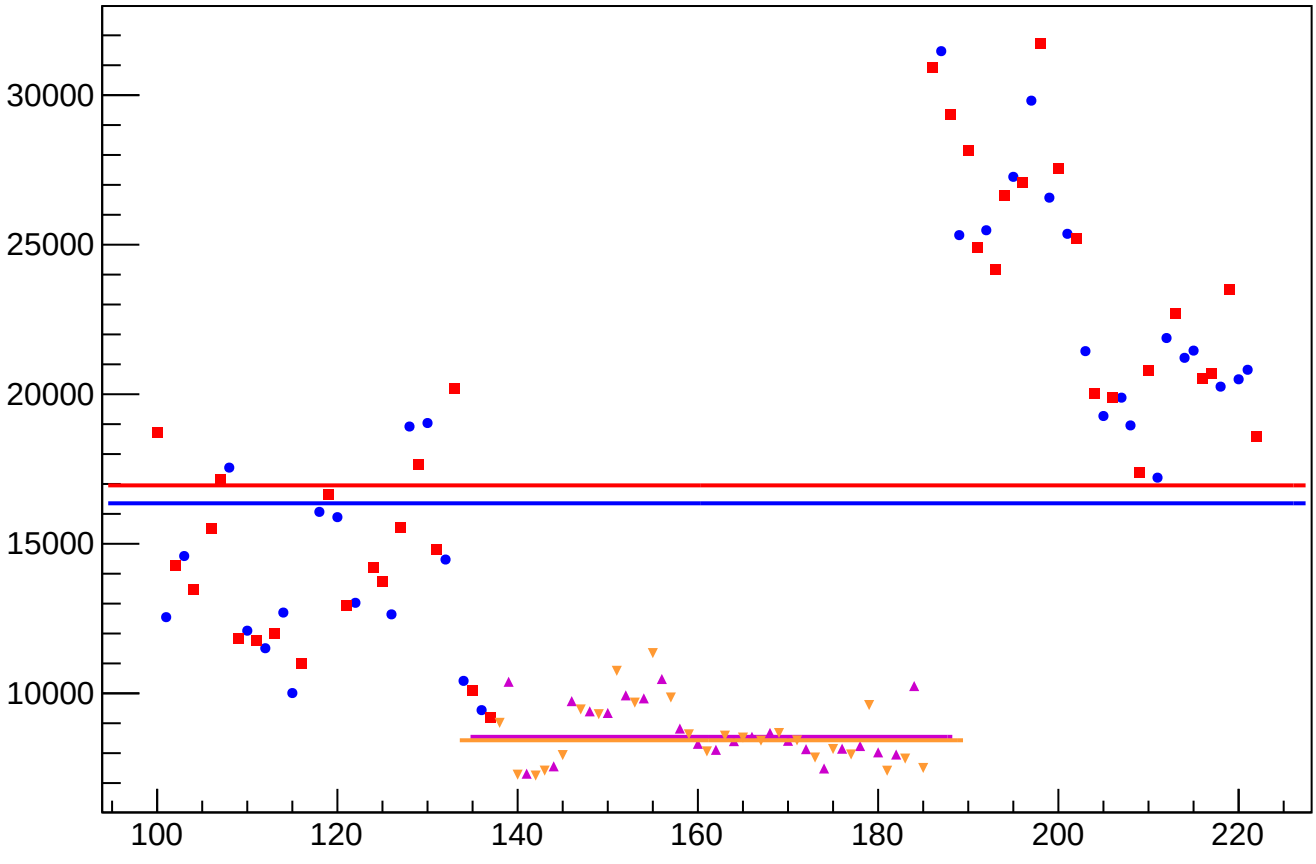
Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

Right: -0.419+/-2.634 χ^2/NDF: 142.2/71

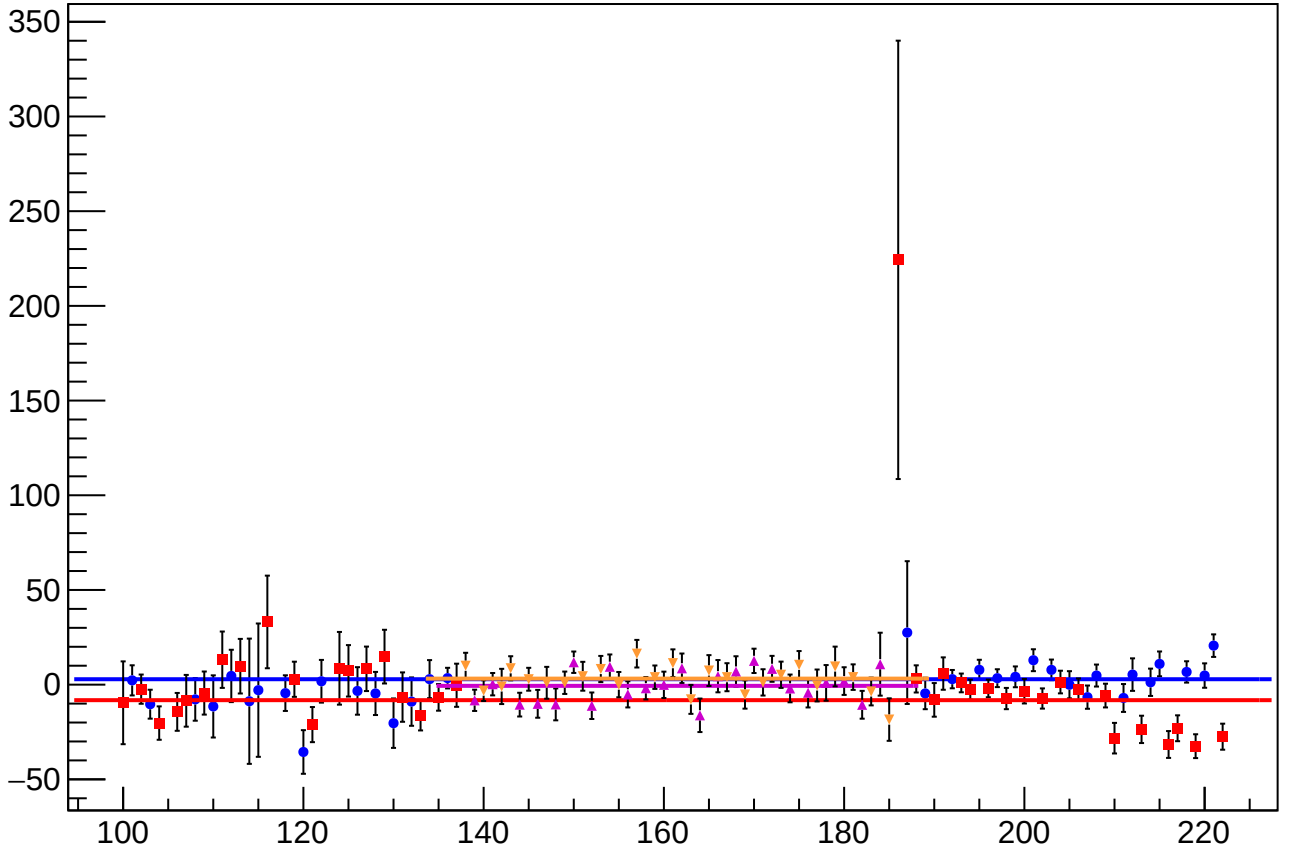
In: -3.142+/-1.765 χ^2/NDF:103.2/56

Out: -3.208+/-1.723 χ^2/NDF:142.8/62

All: -3.176+/-1.233 χ^2/NDF: 246.0/119


diff_bpm4ecX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16353.600+/-2.598 χ²/NDF: 4215337.8/33
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 16952.962+/-2.673 χ²/NDF: 4330937.6/37
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
Left: 8485.892+/-0.987 χ²/NDF: 877783.2/47
Right: 16644.768+/-1.863 χ²/NDF: 8572136.3/71
In: 10347.642+/-1.248 χ²/NDF:11554325.3/56
Out: 10202.162+/-1.218 χ²/NDF:12870153.6/62
All: 10273.162+/-0.872 χ²/NDF: 24431435.7

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 2.865+/-1.273 χ^2/NDF: 42.8/33

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -8.193+/-1.267 χ^2/NDF: 89.8/37

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

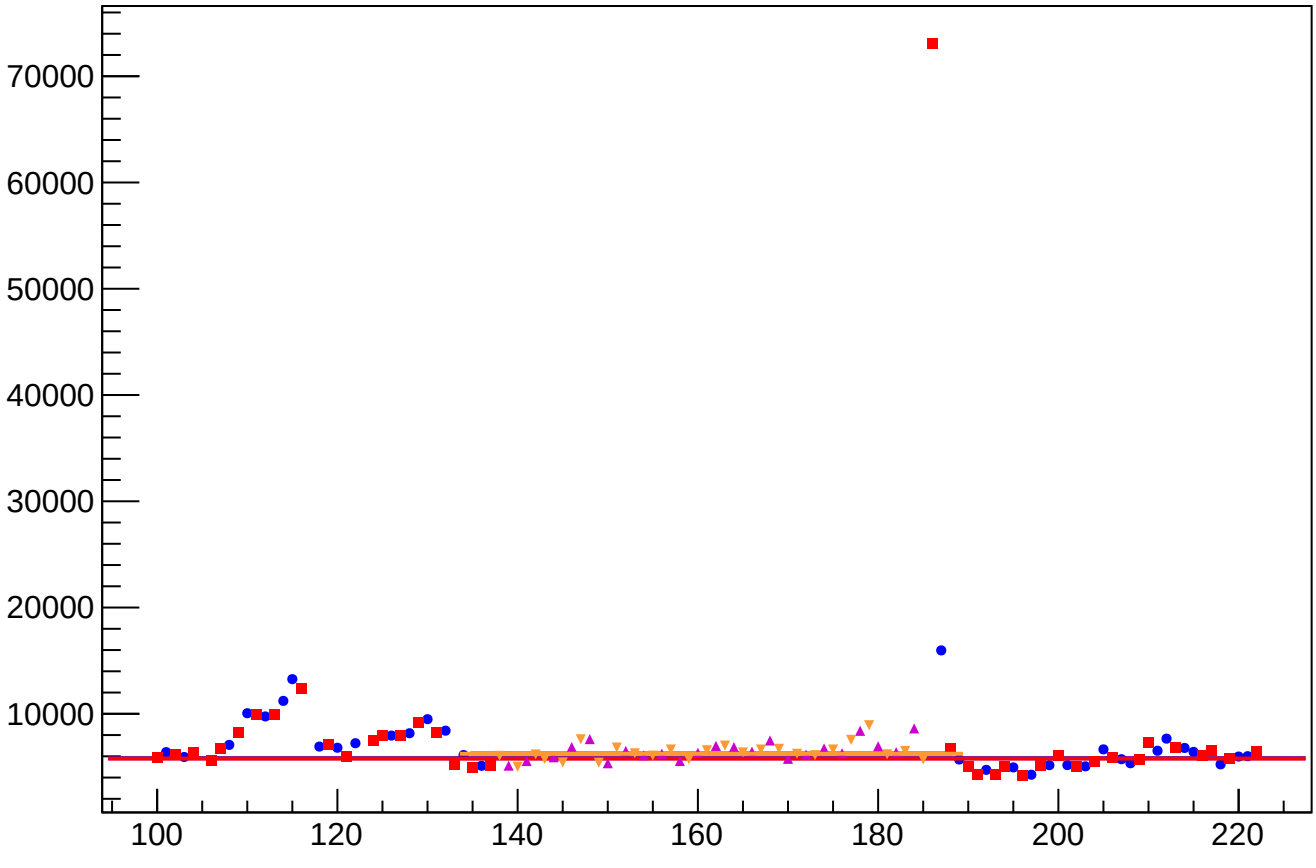
Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

Right: -2.693+/-0.898 χ^2/NDF: 170.6/71

In: 1.379+/-0.966 χ^2/NDF:77.8/56

Out: -3.210+/-0.950 χ^2/NDF:143.9/62

All: -0.954+/-0.677 χ^2/NDF: 233.2/119



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: 5788.763+/-0.896 χ^2/NDF: 2459202.0/37

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

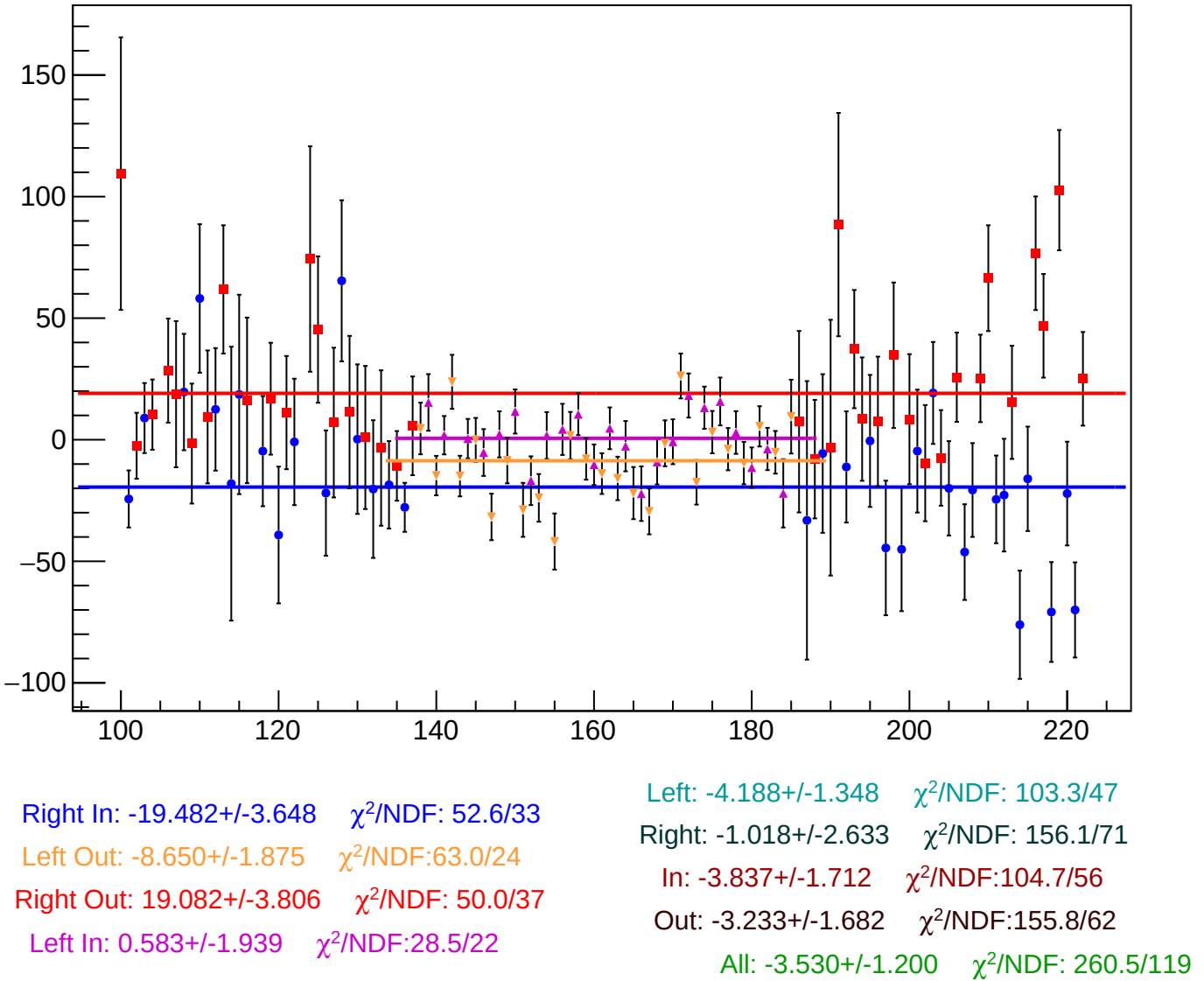
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

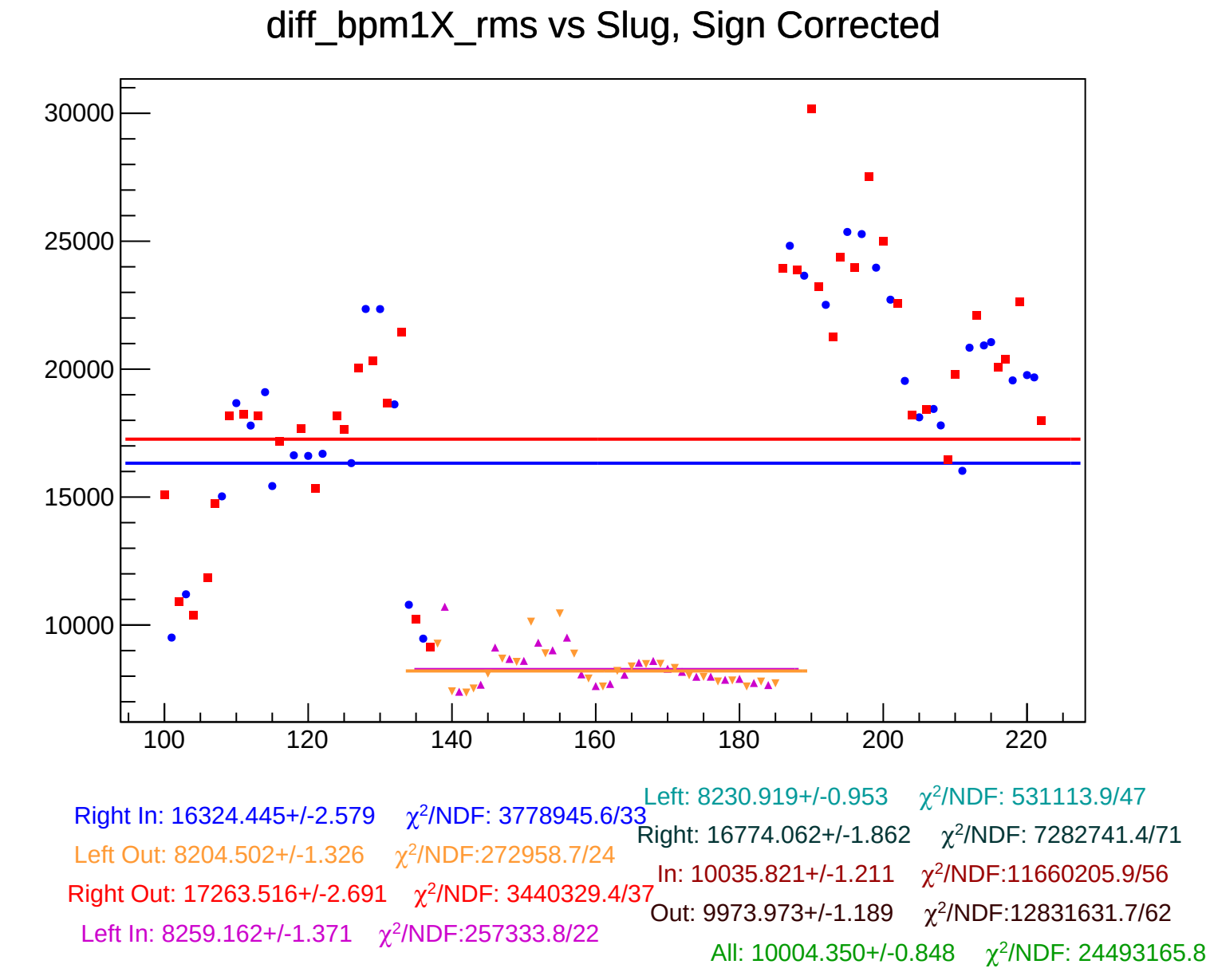
Right: 5804.170+/-0.635 χ^2/NDF: 4264316.9/71

In: 6010.251+/-0.683 χ^2/NDF:2434263.3/56

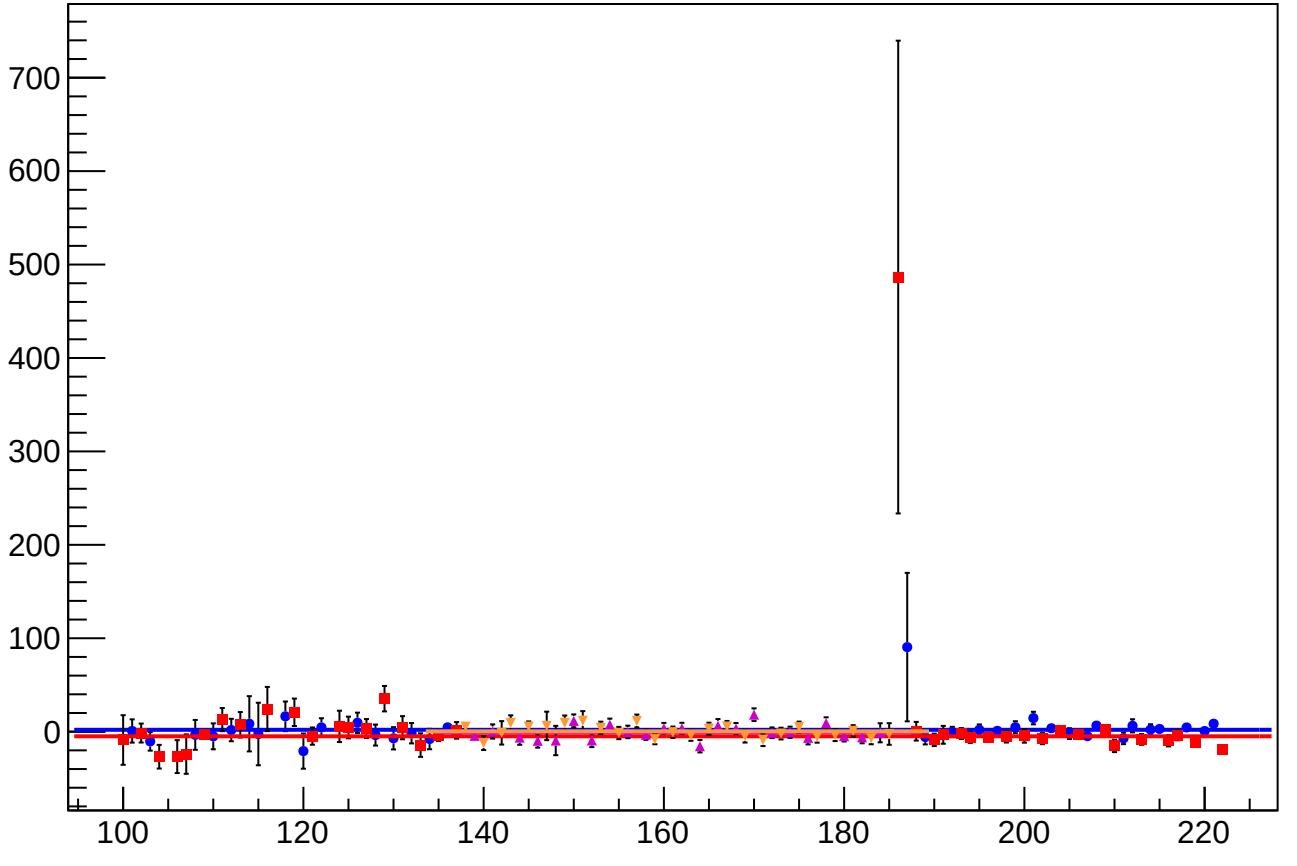
Out: 5985.480+/-0.671 χ^2/NDF:3077092.6/62

All: 5997.656+/-0.479 χ^2/NDF: 5512025.0/11


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: 19.082+/-3.806 χ²/NDF: 50.0/37
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: -1.018+/-2.633 χ²/NDF: 156.1/71
In: -3.837+/-1.712 χ²/NDF:104.7/56
Out: -3.233+/-1.682 χ²/NDF:155.8/62
All: -3.530+/-1.200 χ²/NDF: 260.5/119


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16324.445+/-2.579 χ²/NDF: 3778945.6/33
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 17263.516+/-2.691 χ²/NDF: 3440329.4/37
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16774.062+/-1.862 χ²/NDF: 7282741.4/71
In: 10035.821+/-1.211 χ²/NDF:11660205.9/56
Out: 9973.973+/-1.189 χ²/NDF:12831631.7/62
All: 10004.350+/-0.848 χ²/NDF: 24493165.8

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.001+/-1.208 χ^2/NDF: 20.8/33

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -4.950+/-1.191 χ^2/NDF: 45.3/37

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

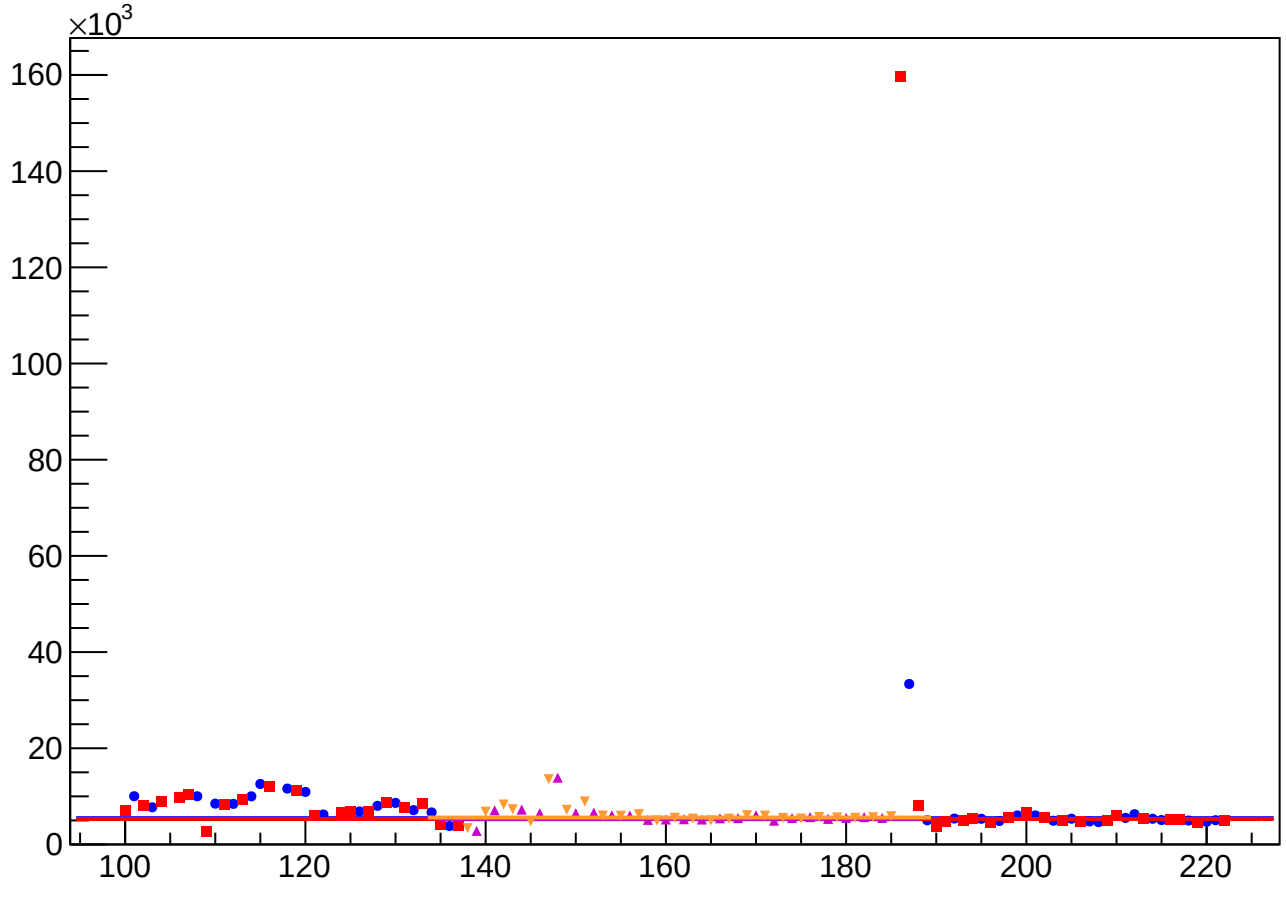
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -1.524+/-0.848 χ^2/NDF: 82.9/71

In: 0.736+/-0.882 χ^2/NDF:53.1/56

Out: -2.574+/-0.885 χ^2/NDF:75.7/62

All: -0.914+/-0.625 χ^2/NDF: 135.8/119



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: 5299.874+/-0.842 χ^2/NDF: 3878889.3/37

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

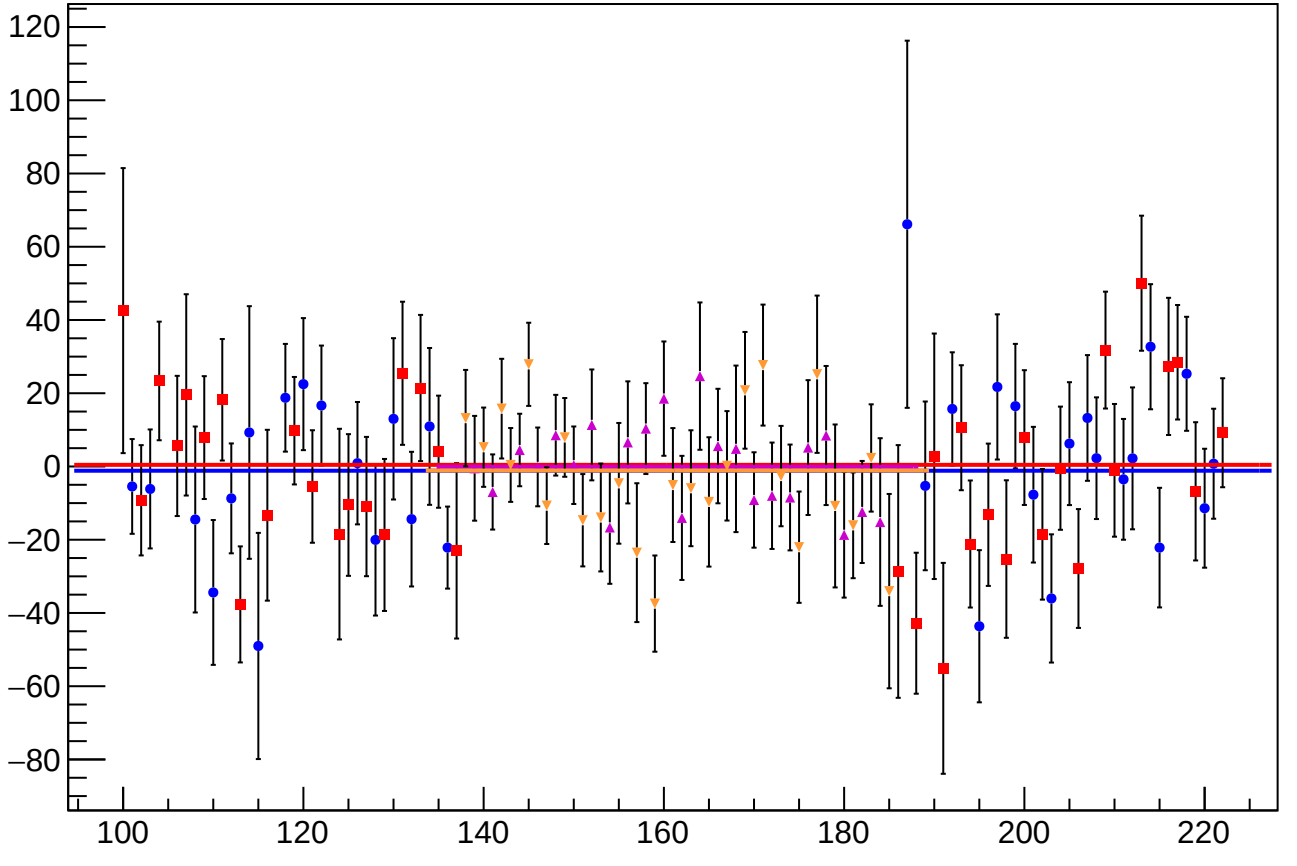
Right: 5380.709+/-0.600 χ^2/NDF: 6467142.6/71

In: 5370.020+/-0.624 χ^2/NDF:5021037.6/56

Out: 5431.881+/-0.626 χ^2/NDF:5718010.7/62

All: 5400.859+/-0.442 χ^2/NDF: 10743952.5/1

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: 0.447+/-3.018 χ^2/NDF: 52.4/37

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

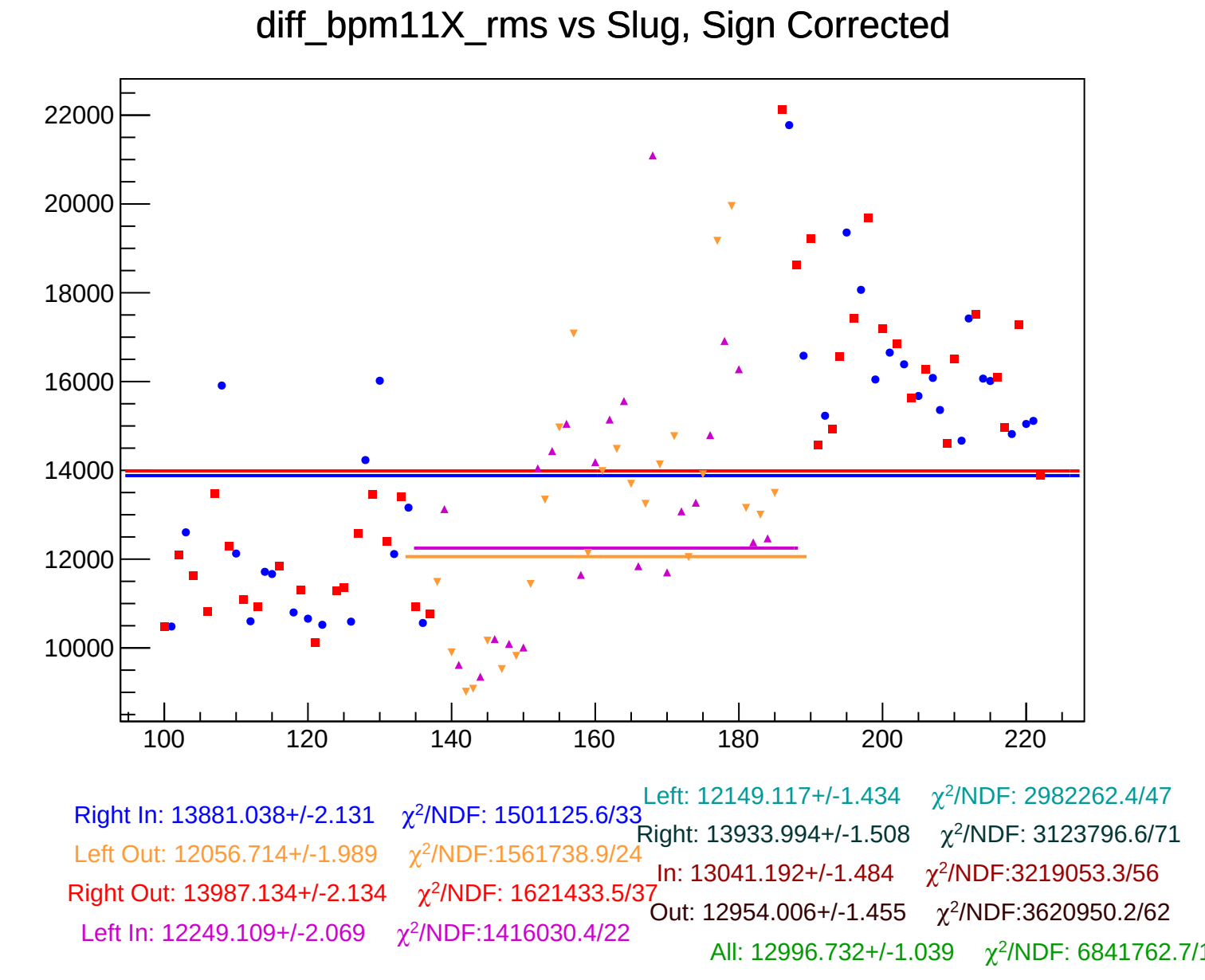
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

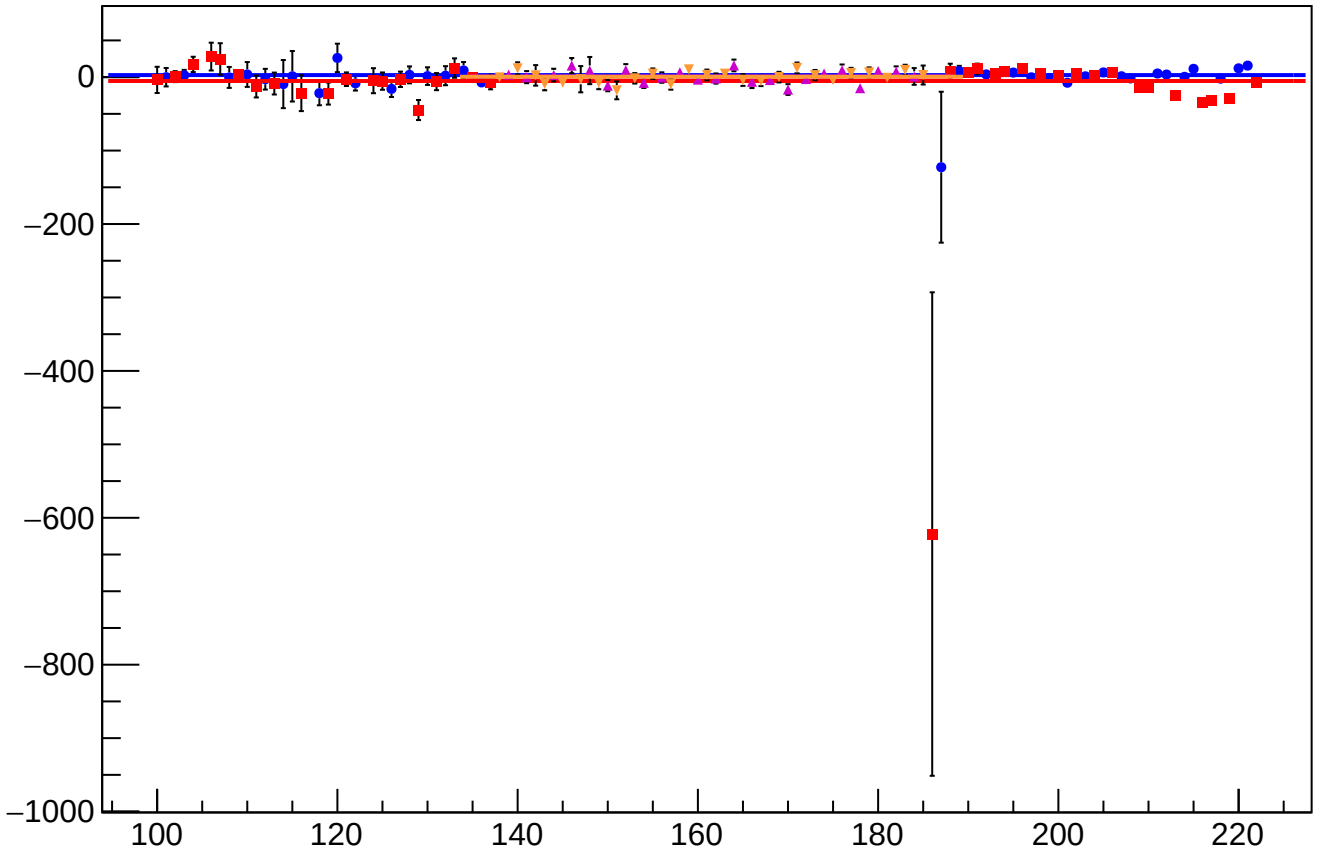
Right: -0.357+/-2.133 χ^2/NDF: 92.5/71

In: -0.606+/-2.099 χ^2/NDF:51.5/56

Out: -0.387+/-2.058 χ^2/NDF:86.3/62

All: -0.494+/-1.470 χ^2/NDF: 137.8/119


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: 13987.134+/-2.134 χ²/NDF: 1621433.5/37
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13933.994+/-1.508 χ²/NDF: 3123796.6/71
In: 13041.192+/-1.484 χ²/NDF:3219053.3/56
Out: 12954.006+/-1.455 χ²/NDF:3620950.2/62
All: 12996.732+/-1.039 χ²/NDF: 6841762.7/1



Right In: 2.779+/-1.013 χ^2/NDF: 41.0/33

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -5.231+/-1.028 χ^2/NDF: 205.5/37

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

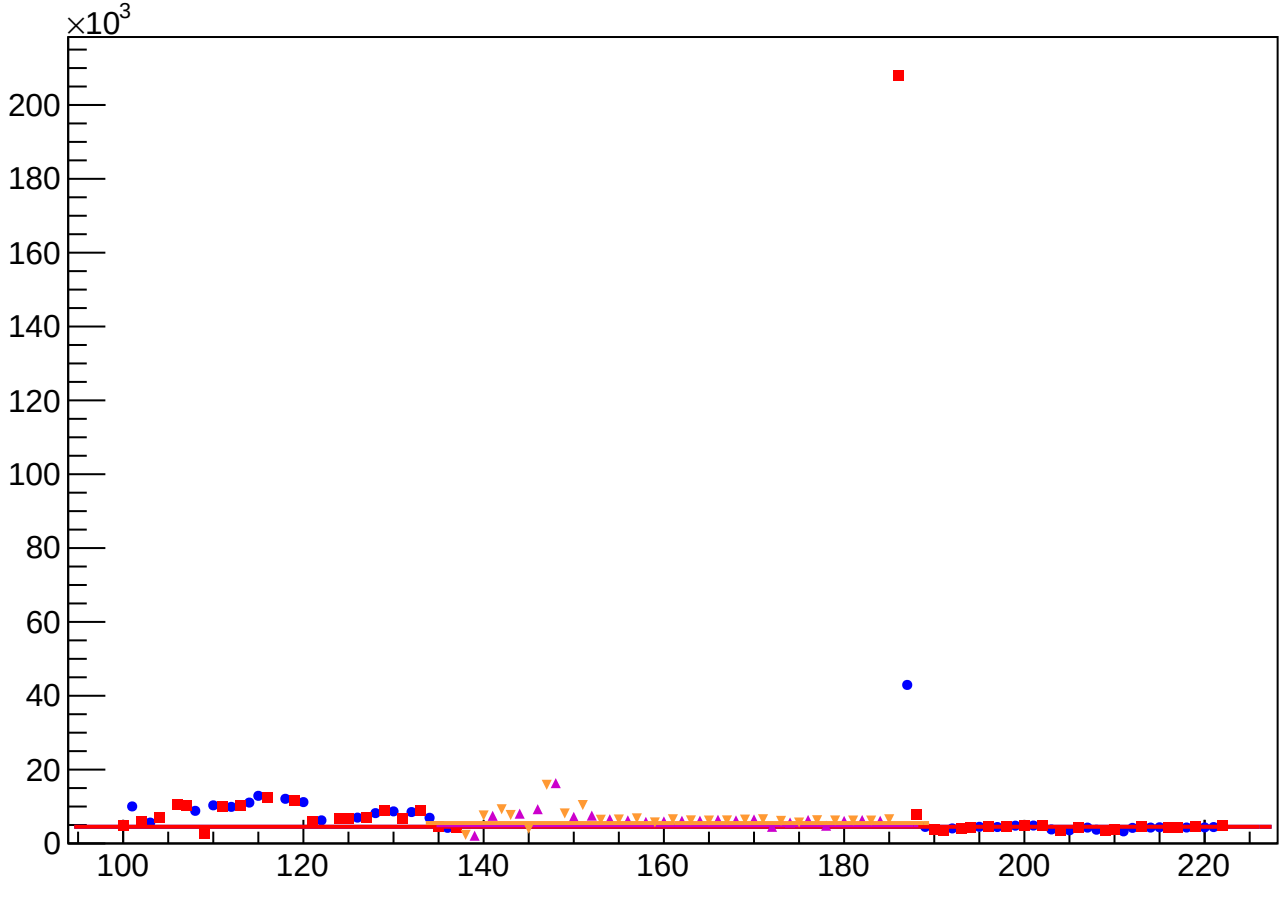
Right: -1.169+/-0.721 χ^2/NDF: 277.3/71

In: 2.082+/-0.798 χ^2/NDF:74.4/56

Out: -3.156+/-0.822 χ^2/NDF:238.2/62

All: -0.459+/-0.572 χ^2/NDF: 333.6/119

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: 4521.790+/-0.727 χ^2/NDF: 4248338.0/37

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

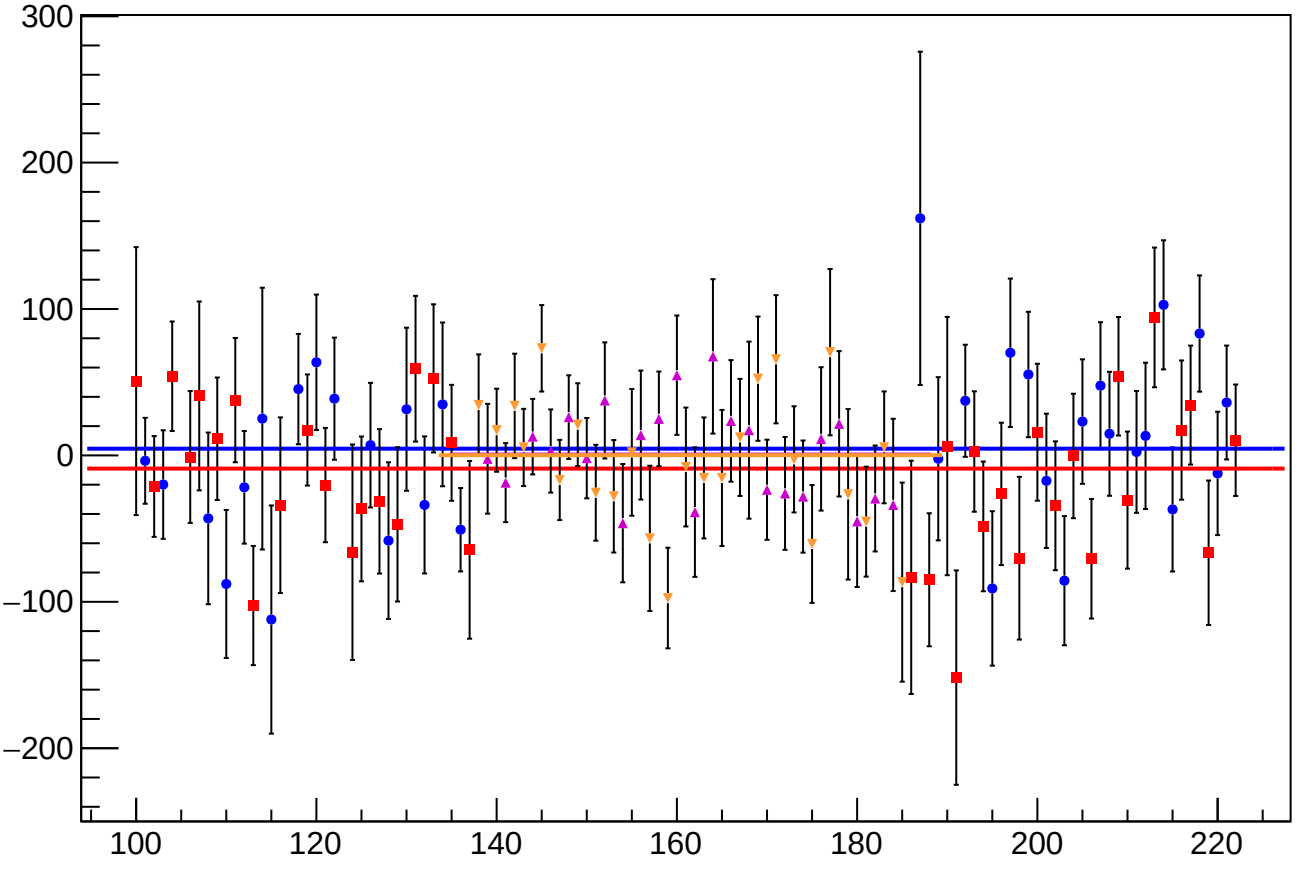
Right: 4515.242+/-0.510 χ^2/NDF: 7981717.7/71

In: 4673.438+/-0.564 χ^2/NDF:9808193.5/56

Out: 4884.504+/-0.581 χ^2/NDF:9315255.4/62

All: 4775.846+/-0.405 χ^2/NDF: 19191367.8/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -8.995+/-7.575 χ^2/NDF: 40.6/37

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

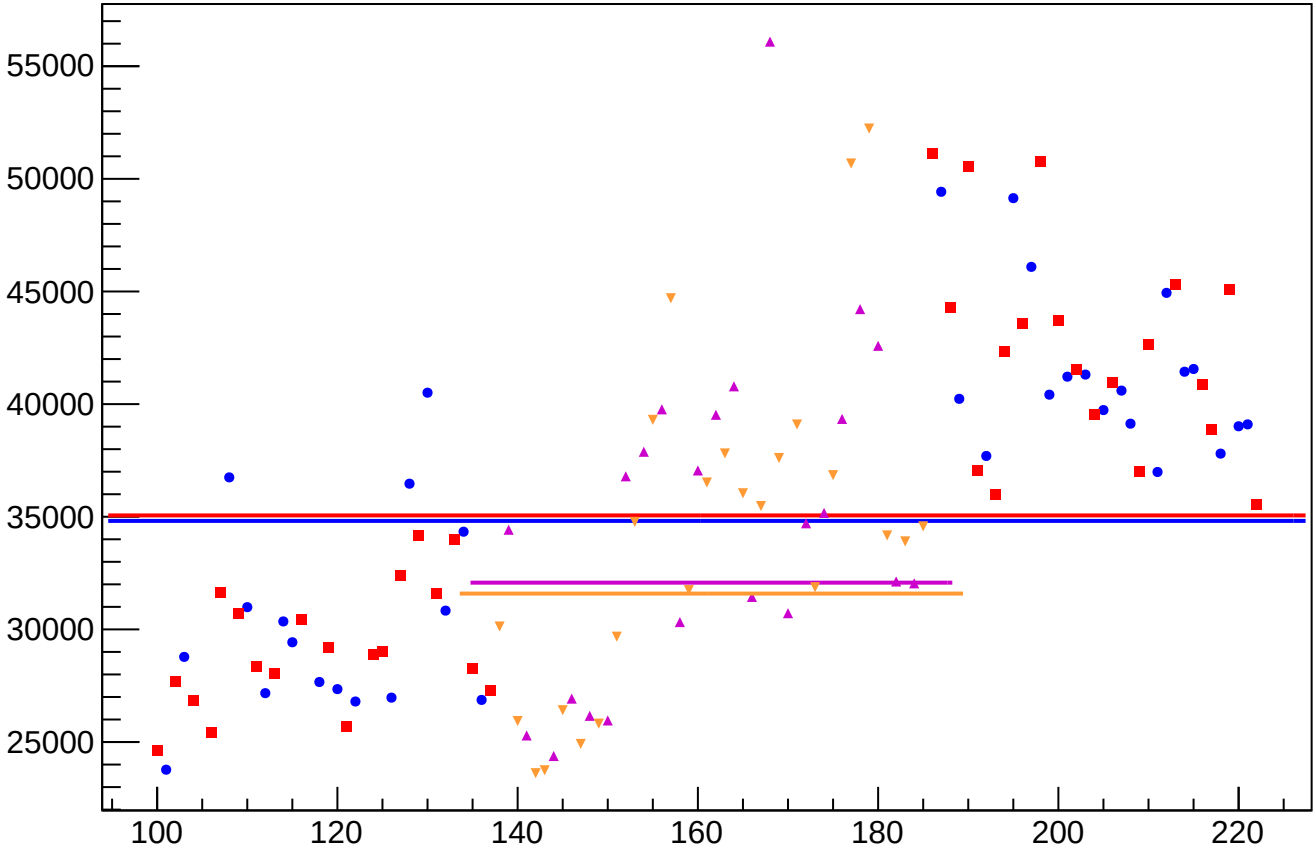
Right: -2.199+/-5.356 χ^2/NDF: 84.6/71

In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.291+/-5.284 χ^2/NDF:72.4/62

All: -0.905+/-3.773 χ^2/NDF: 128.6/119

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 34816.399+/-5.355 χ^2/NDF: 1650739.1/33

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35059.640+/-5.357 χ^2/NDF: 1727360.1/37

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

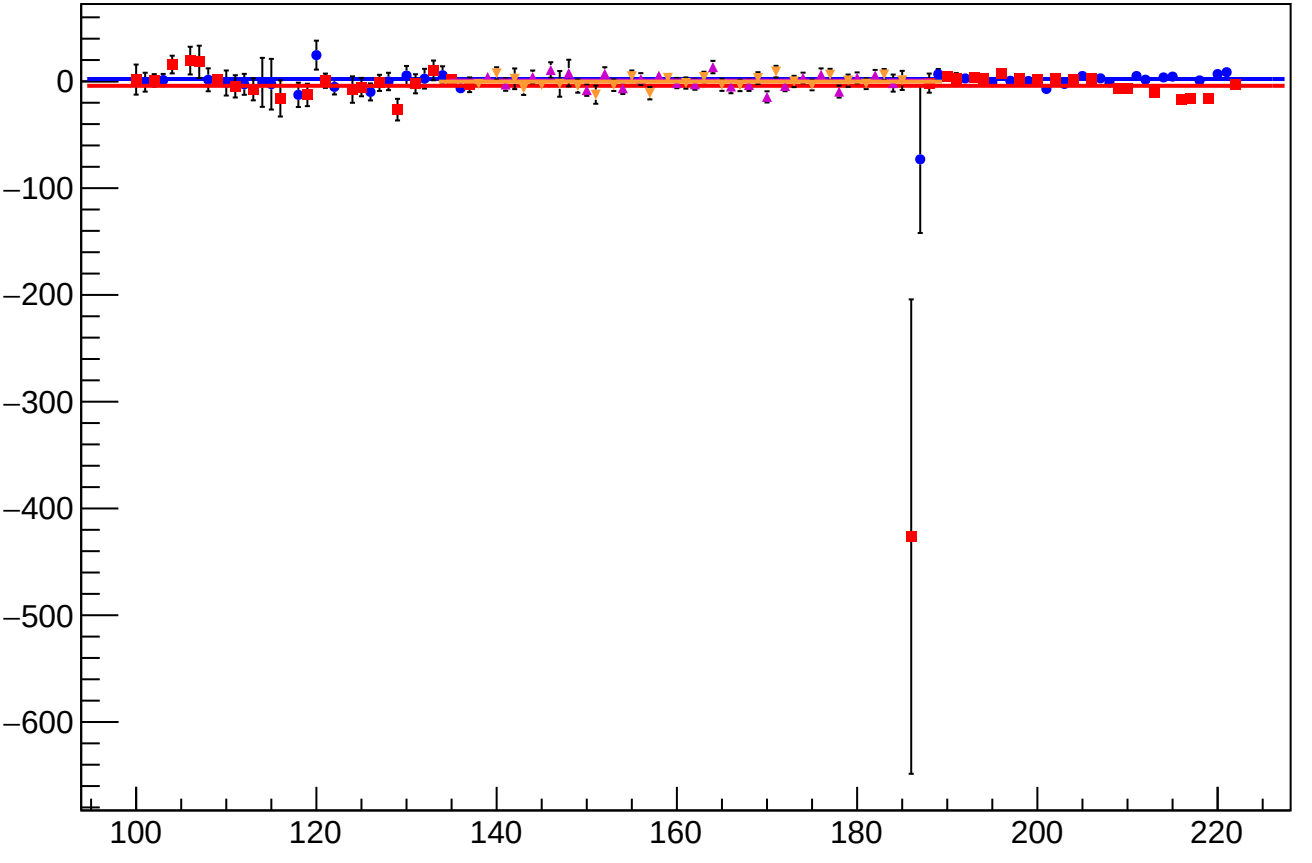
Right: 34937.996+/-3.787 χ^2/NDF: 3379130.4/71

In: 33462.489+/-3.810 χ^2/NDF:3235858.7/56

Out: 33278.216+/-3.737 χ^2/NDF:3533656.6/62

All: 33368.559+/-2.668 χ^2/NDF: 6770707.7/1

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: -4.143+/-0.607 χ^2/NDF: 184.1/37

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

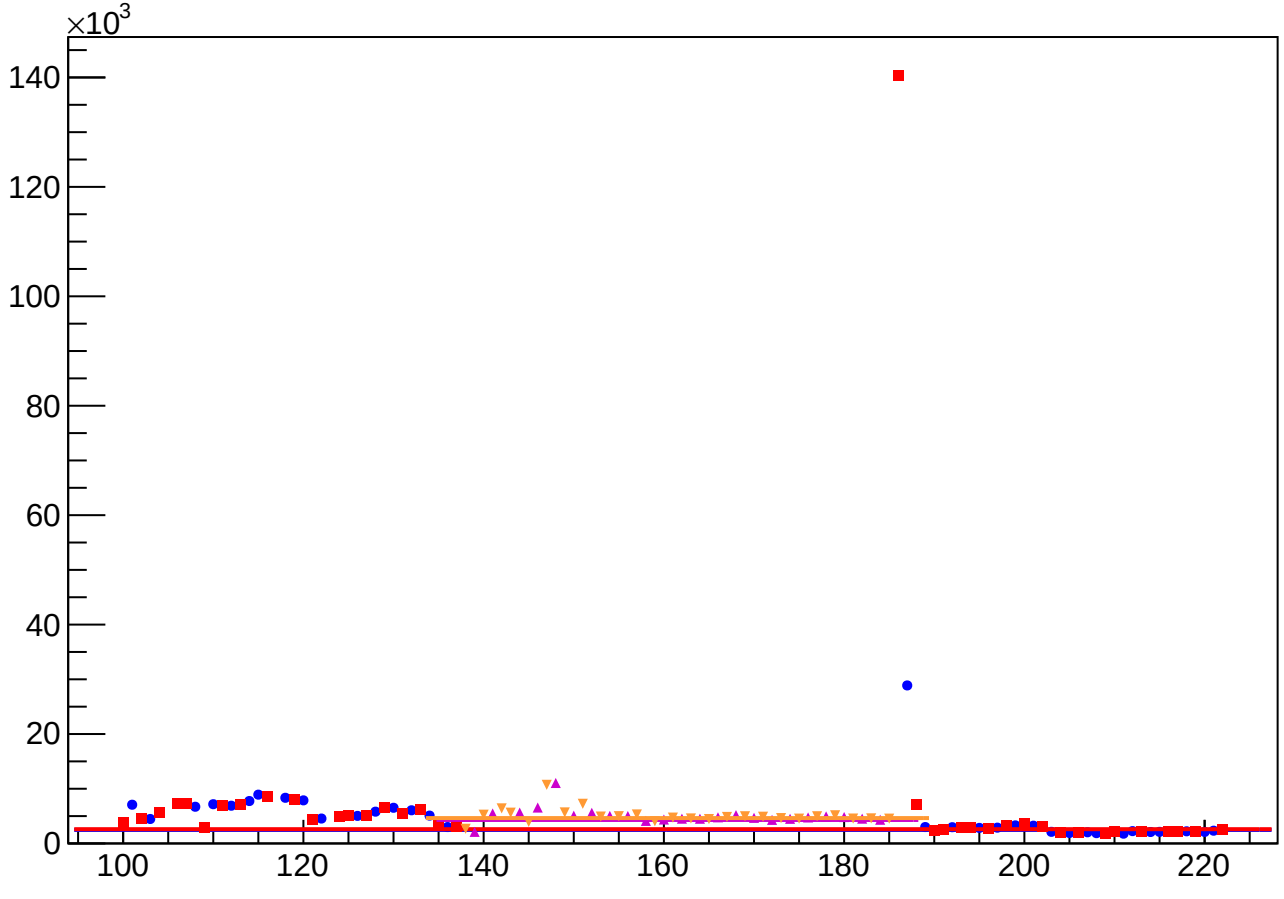
Right: -0.772+/-0.417 χ^2/NDF: 292.7/71

In: 1.904+/-0.504 χ^2/NDF:85.6/56

Out: -3.220+/-0.531 χ^2/NDF:213.7/62

All: -0.526+/-0.366 χ^2/NDF: 348.3/119

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: 2606.724+/-0.429 χ^2/NDF: 6562519.7/37

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

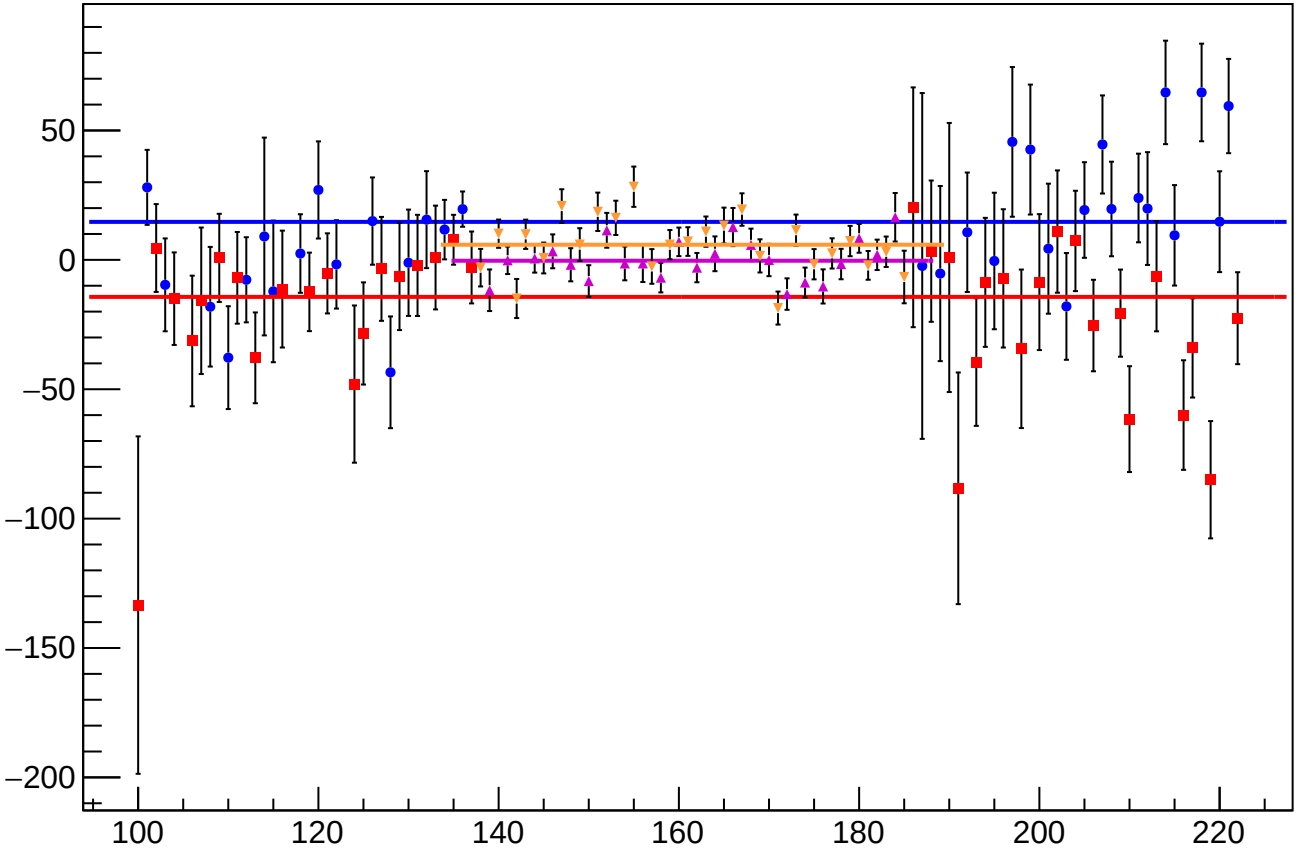
Right: 2536.634+/-0.295 χ^2/NDF: 12722502.1/71

In: 2885.825+/-0.357 χ^2/NDF:13767396.1/56

Out: 3085.254+/-0.375 χ^2/NDF:13593385.4/62

All: 2980.388+/-0.259 χ^2/NDF: 27509103.3/1

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: -14.309+/-3.241 χ^2/NDF: 46.7/37

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

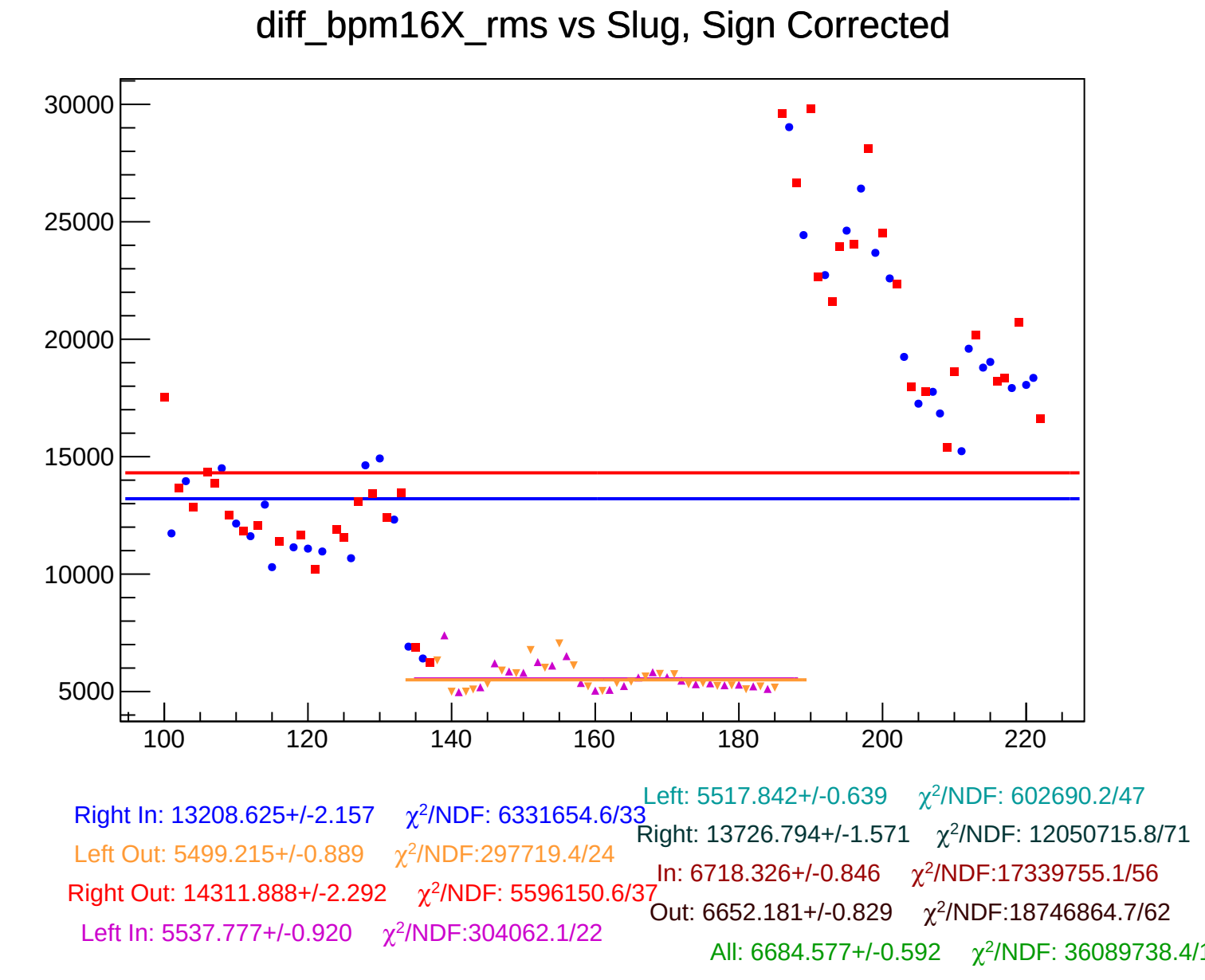
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 1.064+/-2.221 χ^2/NDF: 142.3/71

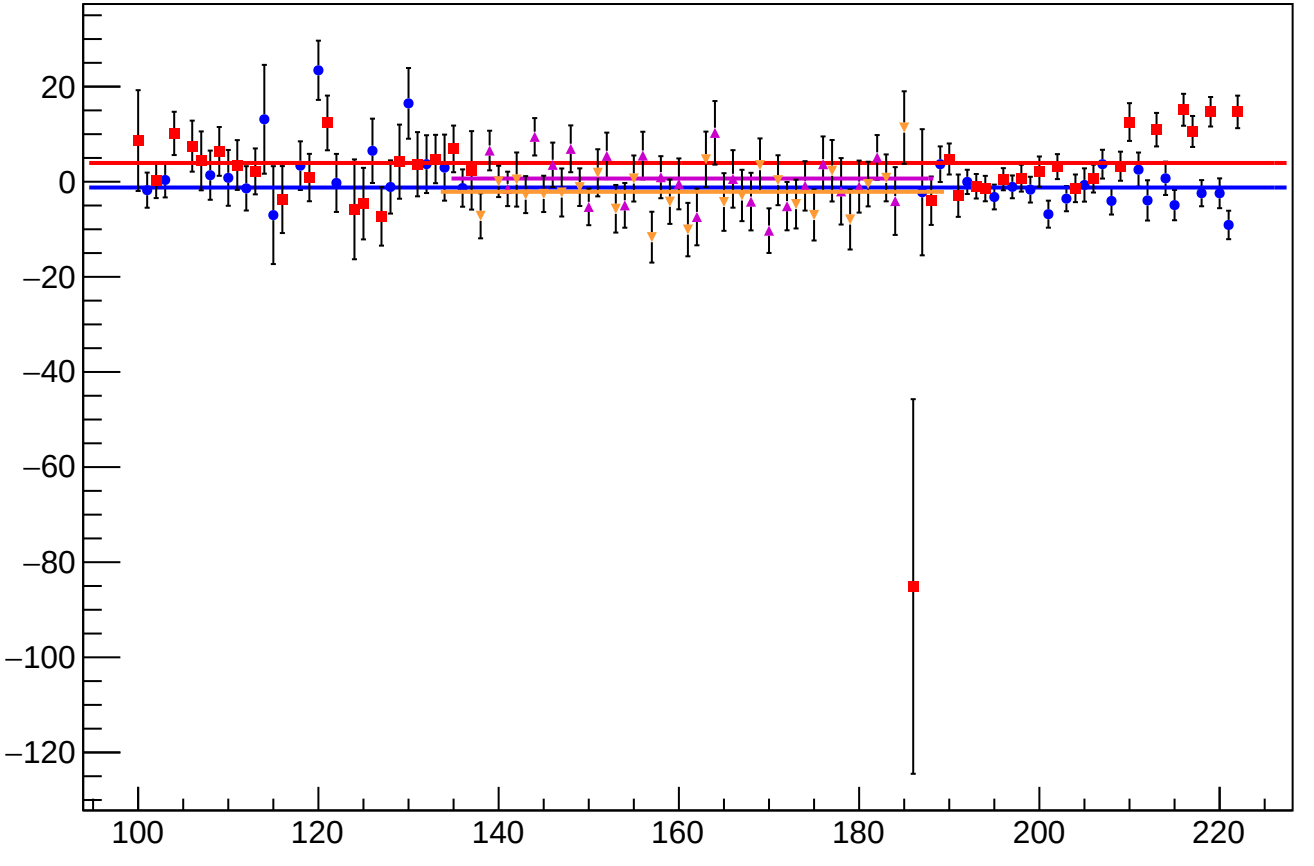
In: 1.974+/-1.197 χ^2/NDF:103.0/56

Out: 3.211+/-1.172 χ^2/NDF:140.4/62

All: 2.605+/-0.837 χ^2/NDF: 243.9/119


diff_bpm16X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 13208.625+/-2.157 χ²/NDF: 6331654.6/33
Left Out: 5499.215+/-0.889 χ²/NDF:297719.4/24
Right Out: 14311.888+/-2.292 χ²/NDF: 5596150.6/37
Left In: 5537.777+/-0.920 χ²/NDF:304062.1/22
Left: 5517.842+/-0.639 χ²/NDF: 602690.2/47
Right: 13726.794+/-1.571 χ²/NDF: 12050715.8/71
In: 6718.326+/-0.846 χ²/NDF:17339755.1/56
Out: 6652.181+/-0.829 χ²/NDF:18746864.7/62
All: 6684.577+/-0.592 χ²/NDF: 36089738.4/1

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: 3.944+/-0.636 χ^2/NDF: 85.5/37

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

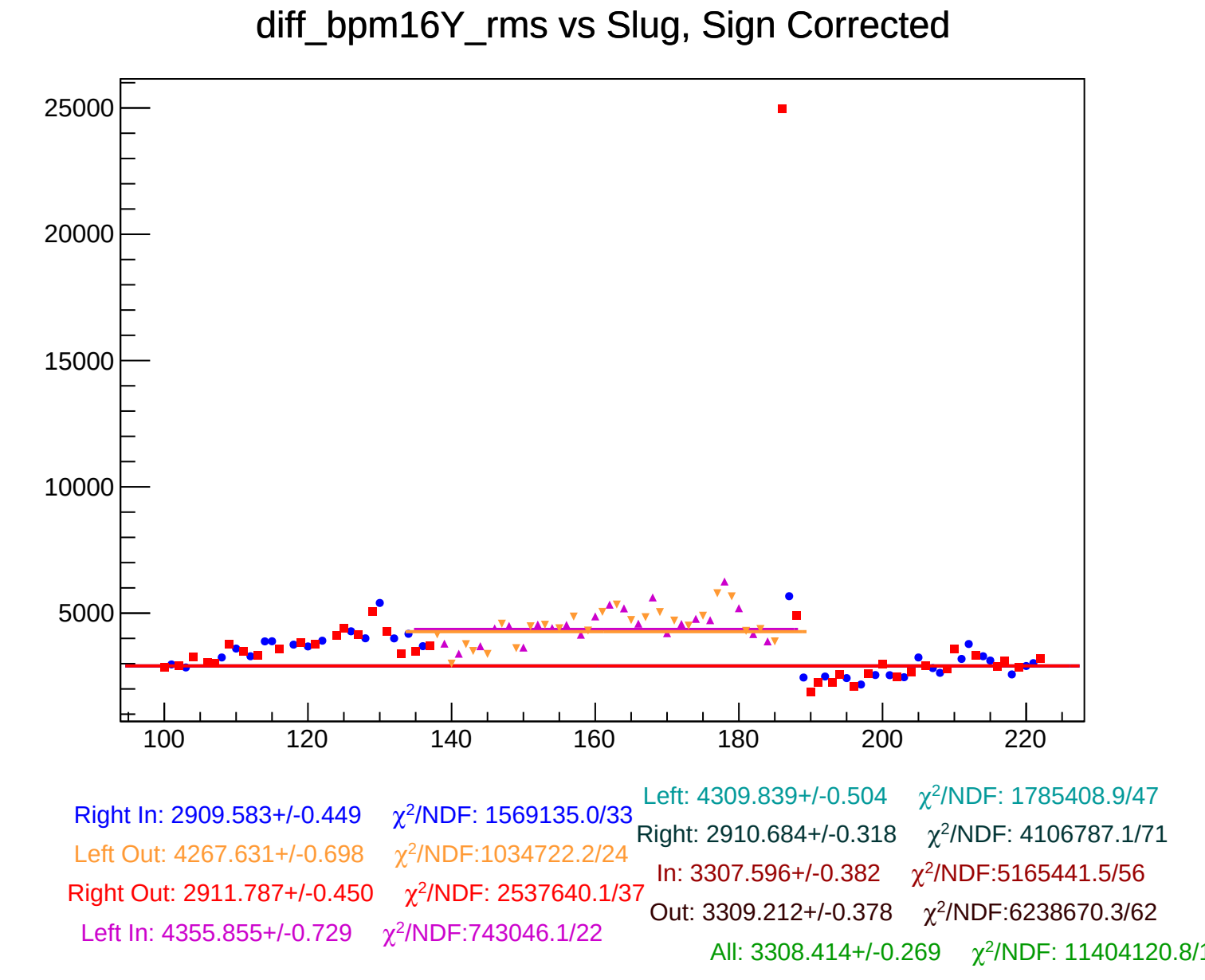
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.361+/-0.449 χ^2/NDF: 166.7/71

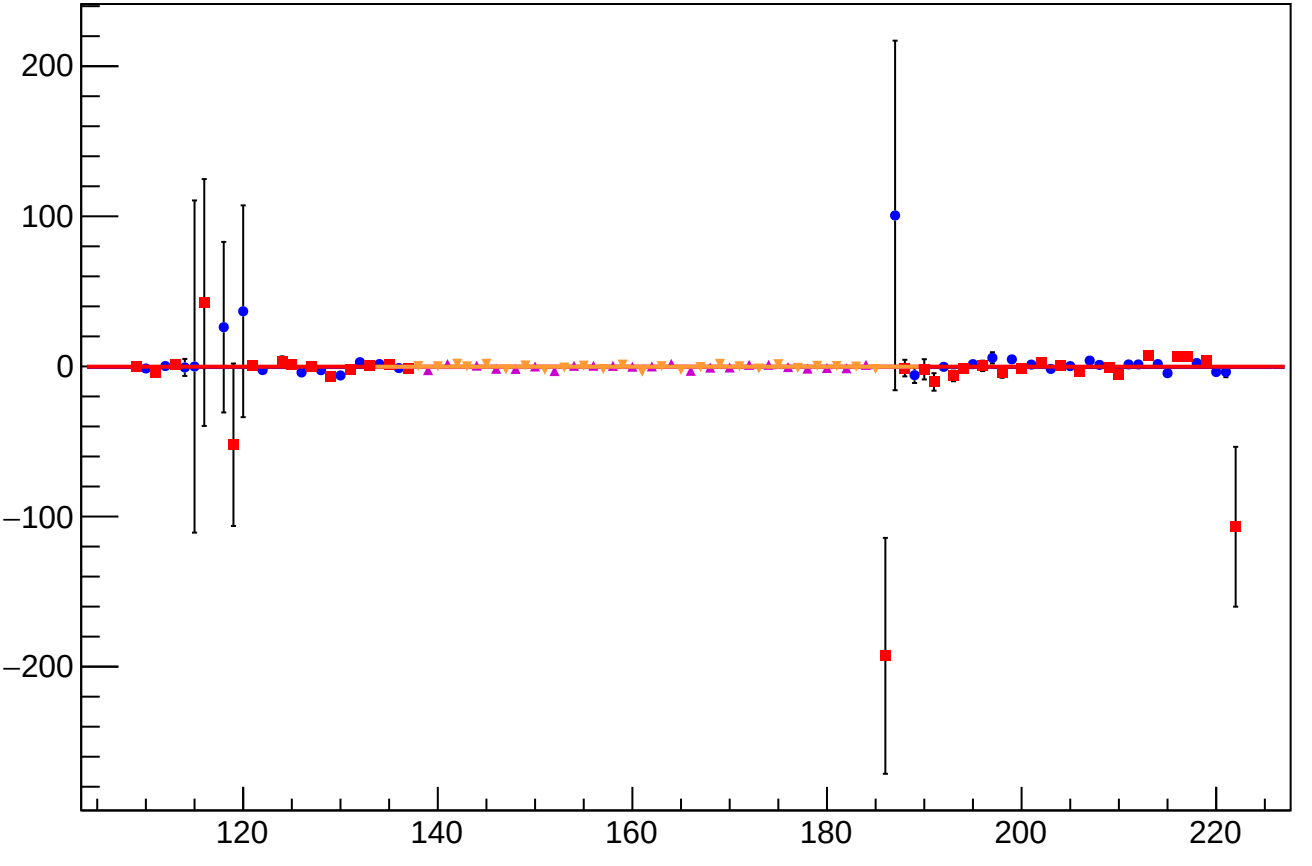
In: -0.698+/-0.541 χ^2/NDF:79.0/56

Out: 2.168+/-0.535 χ^2/NDF:129.6/62

All: 0.752+/-0.380 χ^2/NDF: 222.8/119


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: 2911.787+/-0.450 χ²/NDF: 2537640.1/37
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2910.684+/-0.318 χ²/NDF: 4106787.1/71
In: 3307.596+/-0.382 χ²/NDF:5165441.5/56
Out: 3309.212+/-0.378 χ²/NDF:6238670.3/62
All: 3308.414+/-0.269 χ²/NDF: 11404120.8/

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: -0.168+/-0.497 χ^2/NDF: 64.0/32

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

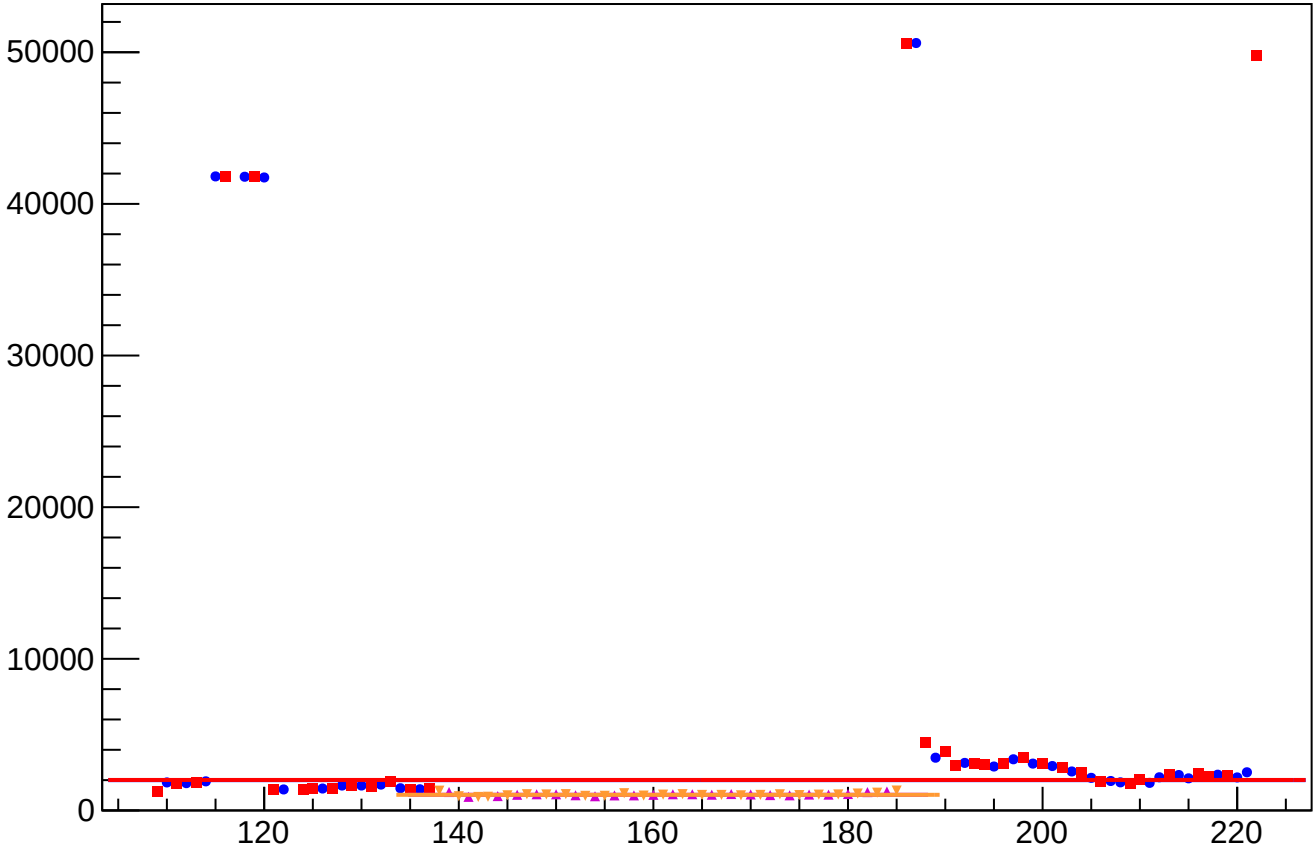
Right: -0.293+/-0.345 χ^2/NDF: 99.8/63

In: -0.349+/-0.216 χ^2/NDF:65.1/53

Out: -0.195+/-0.213 χ^2/NDF:97.9/57

All: -0.271+/-0.152 χ^2/NDF: 163.3/111

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1998.376+/-0.338 χ^2/NDF: 4584247.3/30

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2011.339+/-0.351 χ^2/NDF: 7136385.6/32

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

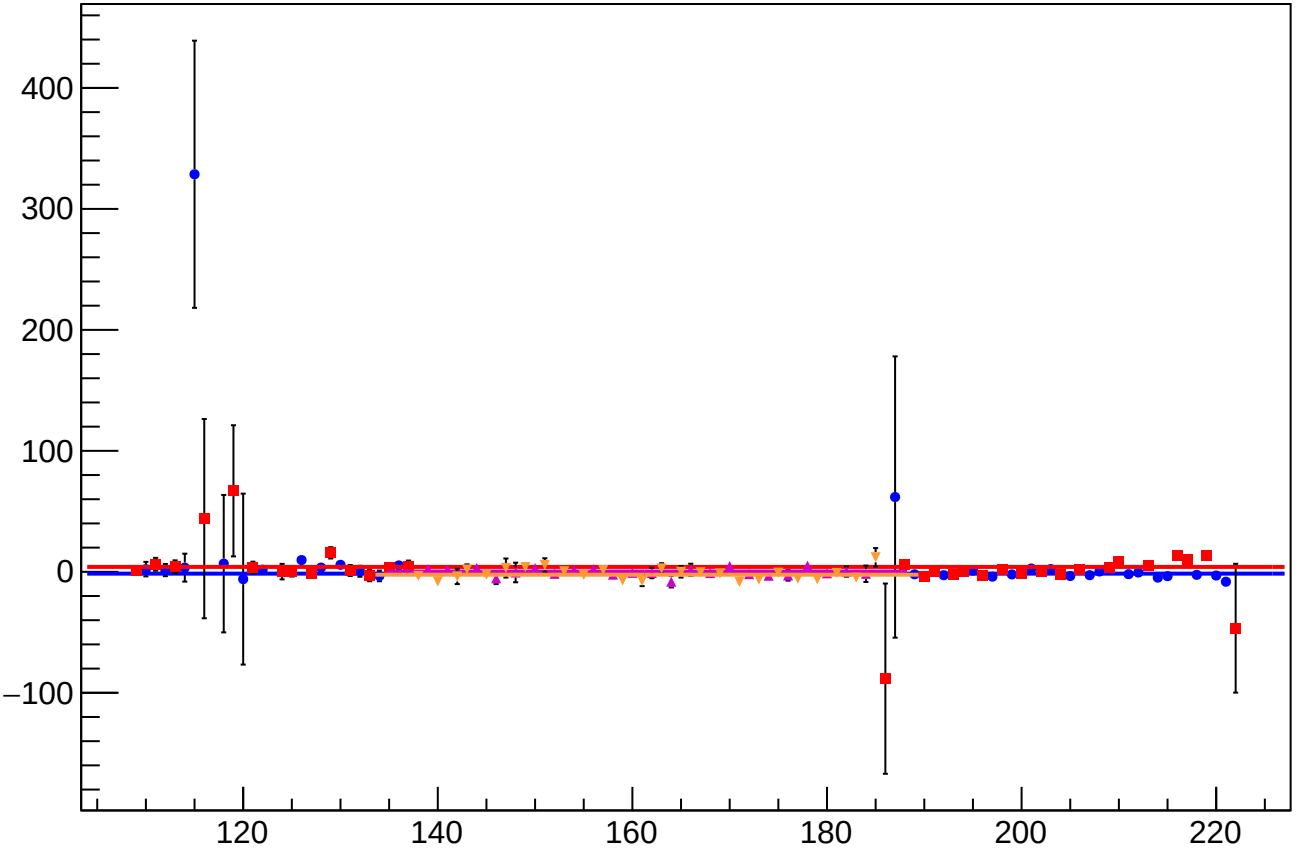
Right: 2004.614+/-0.244 χ^2/NDF: 11721339.0/63

In: 1229.534+/-0.153 χ^2/NDF:11253527.6/53

Out: 1211.184+/-0.150 χ^2/NDF:13730629.6/57

All: 1220.219+/-0.107 χ^2/NDF: 24991479.4/

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -1.500+/-0.391 χ^2/NDF: 67.9/30

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 4.047+/-0.420 χ^2/NDF: 165.0/32

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

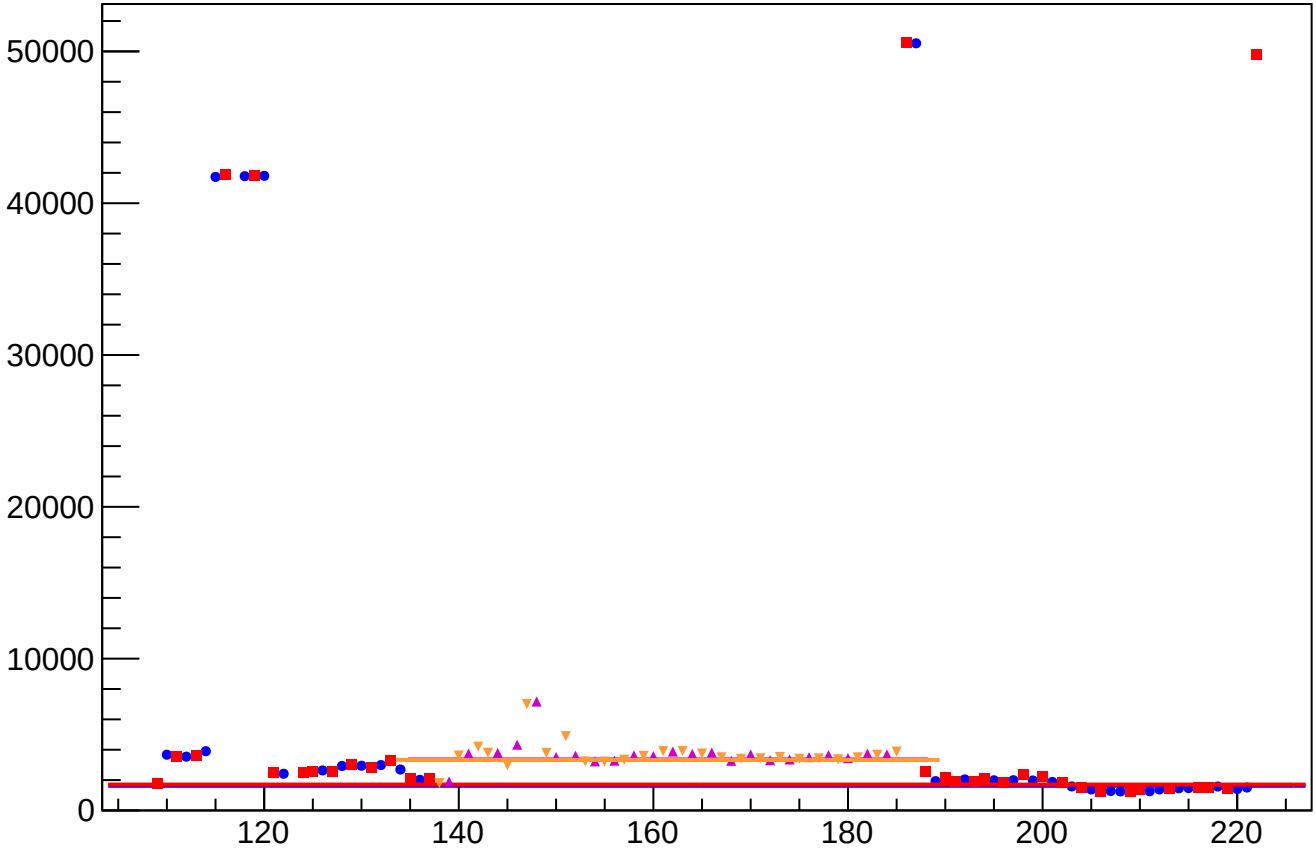
Right: 1.081+/-0.286 χ^2/NDF: 326.5/63

In: -1.184+/-0.352 χ^2/NDF:84.0/53

Out: 2.611+/-0.370 χ^2/NDF:241.8/57

All: 0.622+/-0.255 χ^2/NDF: 381.0/111

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1626.879+/-0.277 χ^2/NDF: 4743299.8/30

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1704.666+/-0.297 χ^2/NDF: 6526226.5/32

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

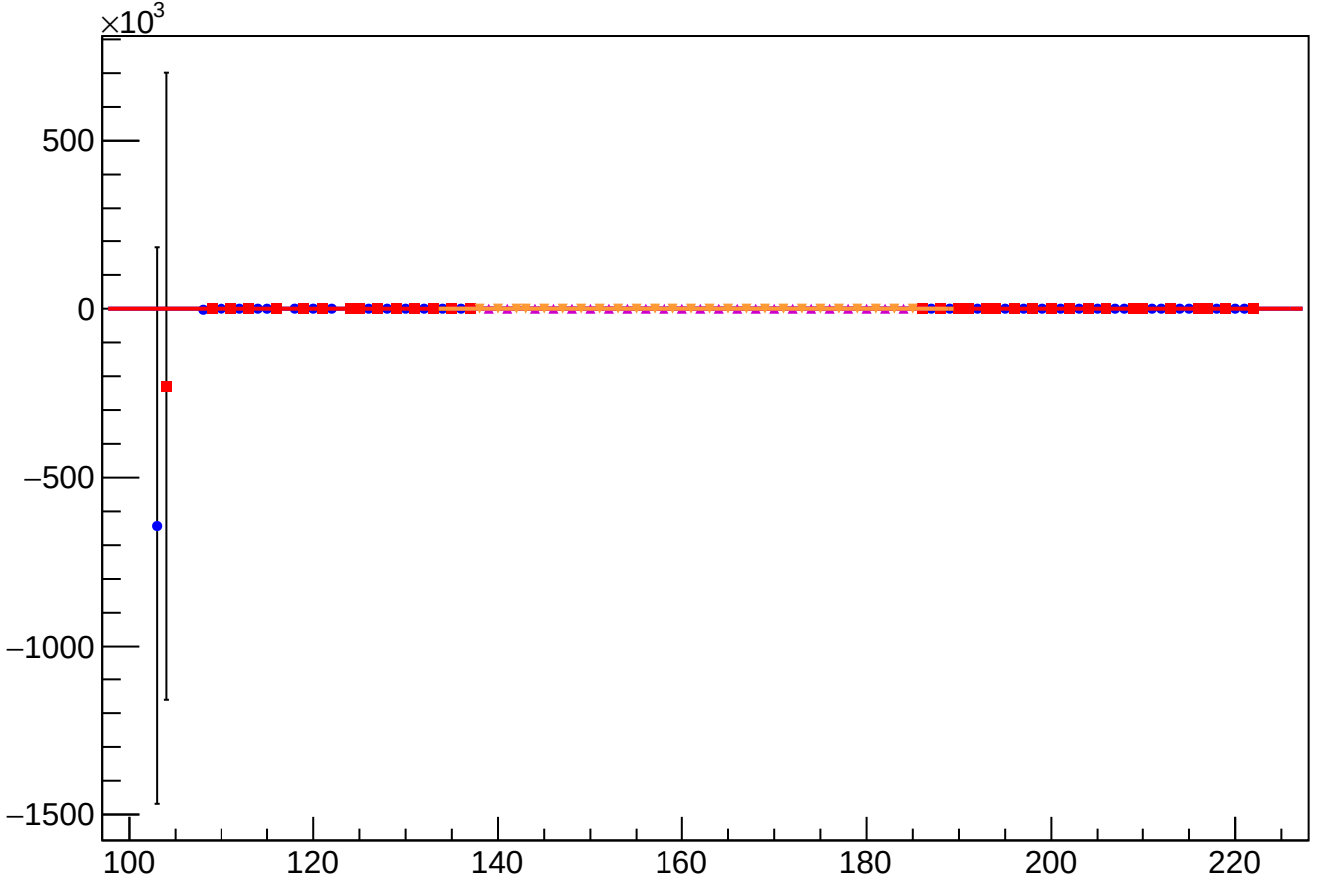
Right: 1663.074+/-0.202 χ^2/NDF: 11306291.5/63

In: 1955.299+/-0.249 χ^2/NDF:13828652.1/53

Out: 2067.445+/-0.261 χ^2/NDF:15135051.1/57

All: 2008.680+/-0.180 χ^2/NDF: 29060141.1/1

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: 3.651+/-0.536 χ^2/NDF: 91.3/33

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

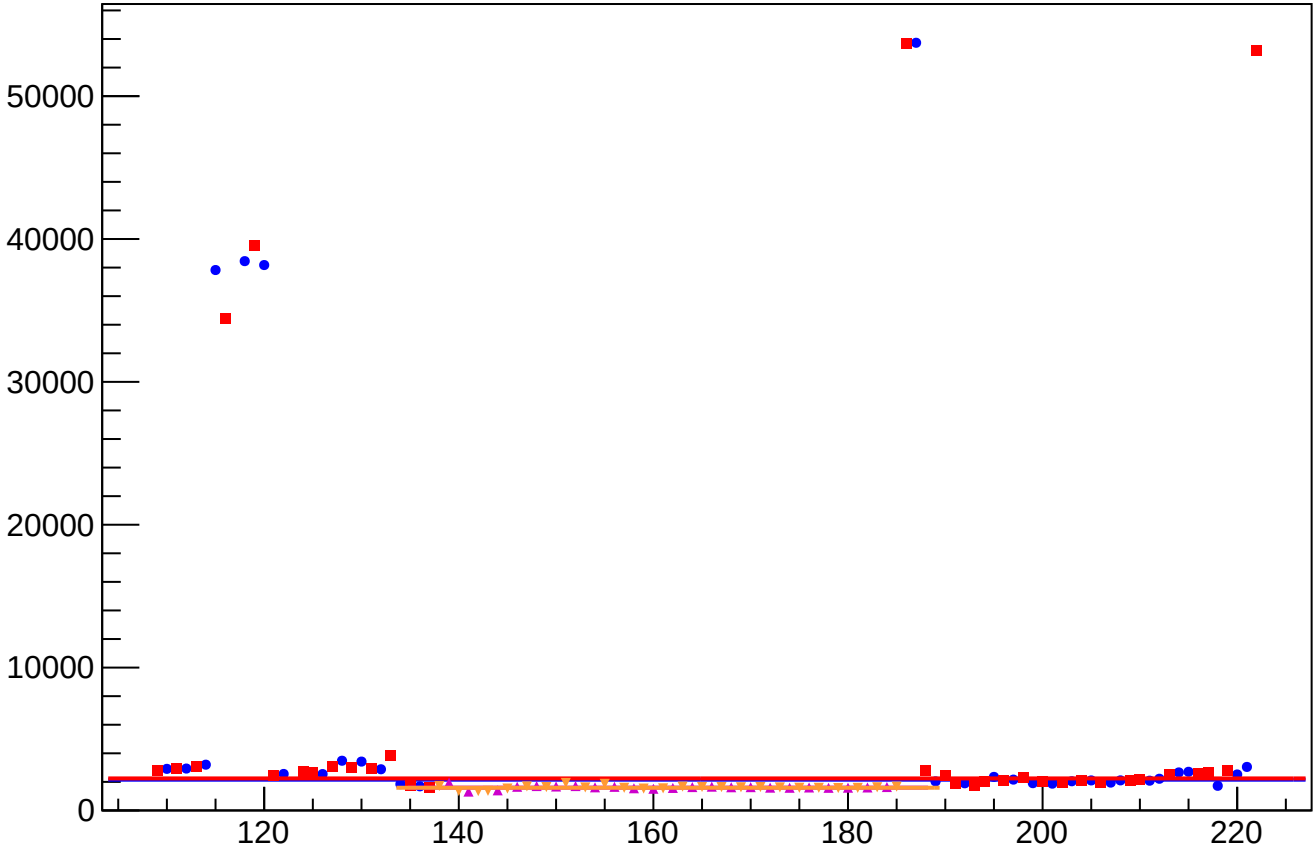
Right: 0.370+/-0.369 χ^2/NDF: 212.2/66

In: -0.921+/-0.302 χ^2/NDF:93.5/55

Out: 0.069+/-0.301 χ^2/NDF:206.7/58

All: -0.424+/-0.213 χ^2/NDF: 305.6/114

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2153.069+/-0.360 χ^2/NDF: 3362403.9/30

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2242.253+/-0.379 χ^2/NDF: 5044456.8/32

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

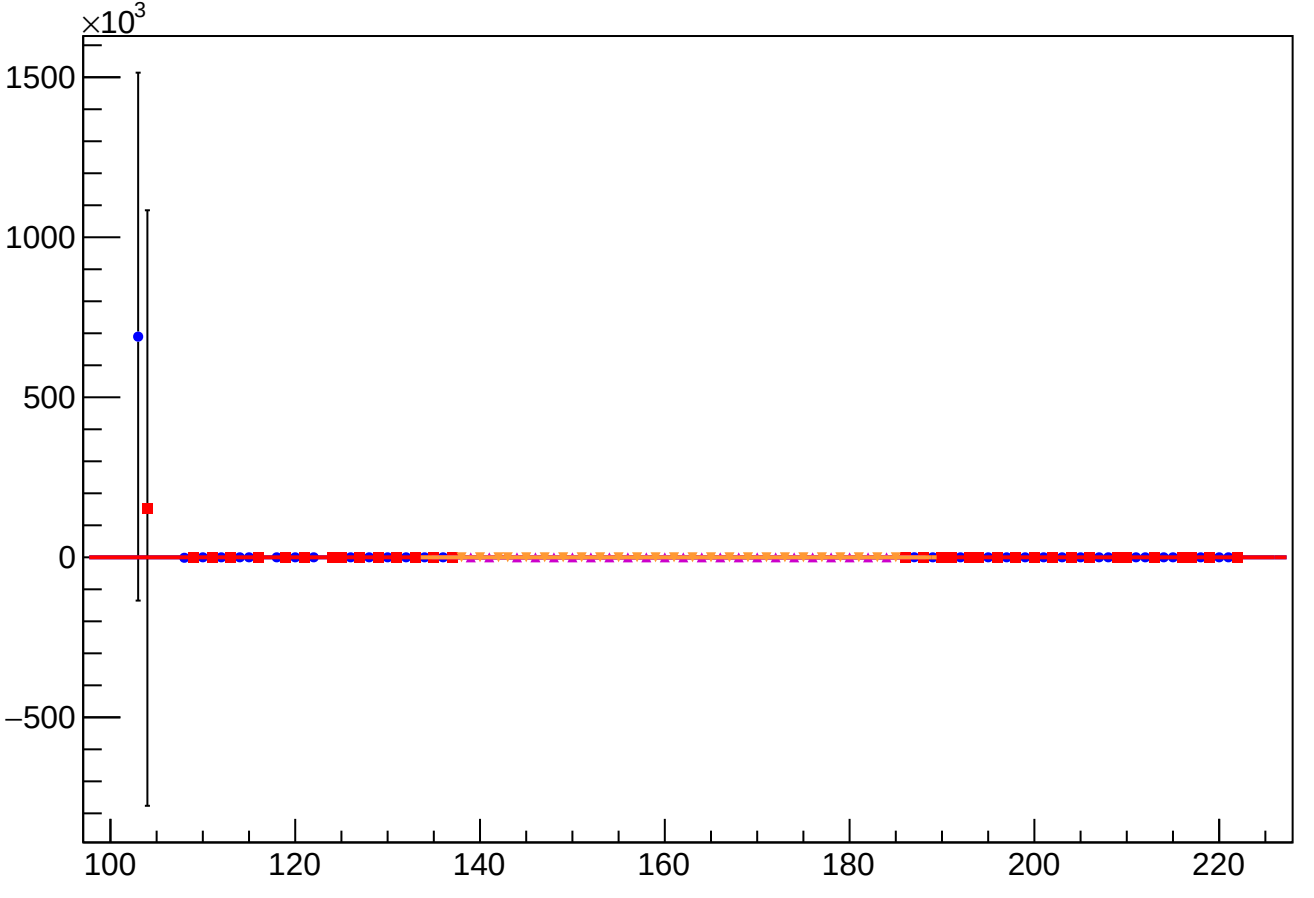
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2195.409+/-0.261 χ^2/NDF: 8435941.4/63

In: 1791.432+/-0.213 χ^2/NDF:5110251.5/53

Out: 1794.653+/-0.212 χ^2/NDF:7310767.3/57

All: 1793.049+/-0.151 χ^2/NDF: 12421133.2/1



Right In: -0.497+/-0.324 χ^2/NDF: 33.0/32

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 1.804+/-0.341 χ^2/NDF: 70.9/33

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

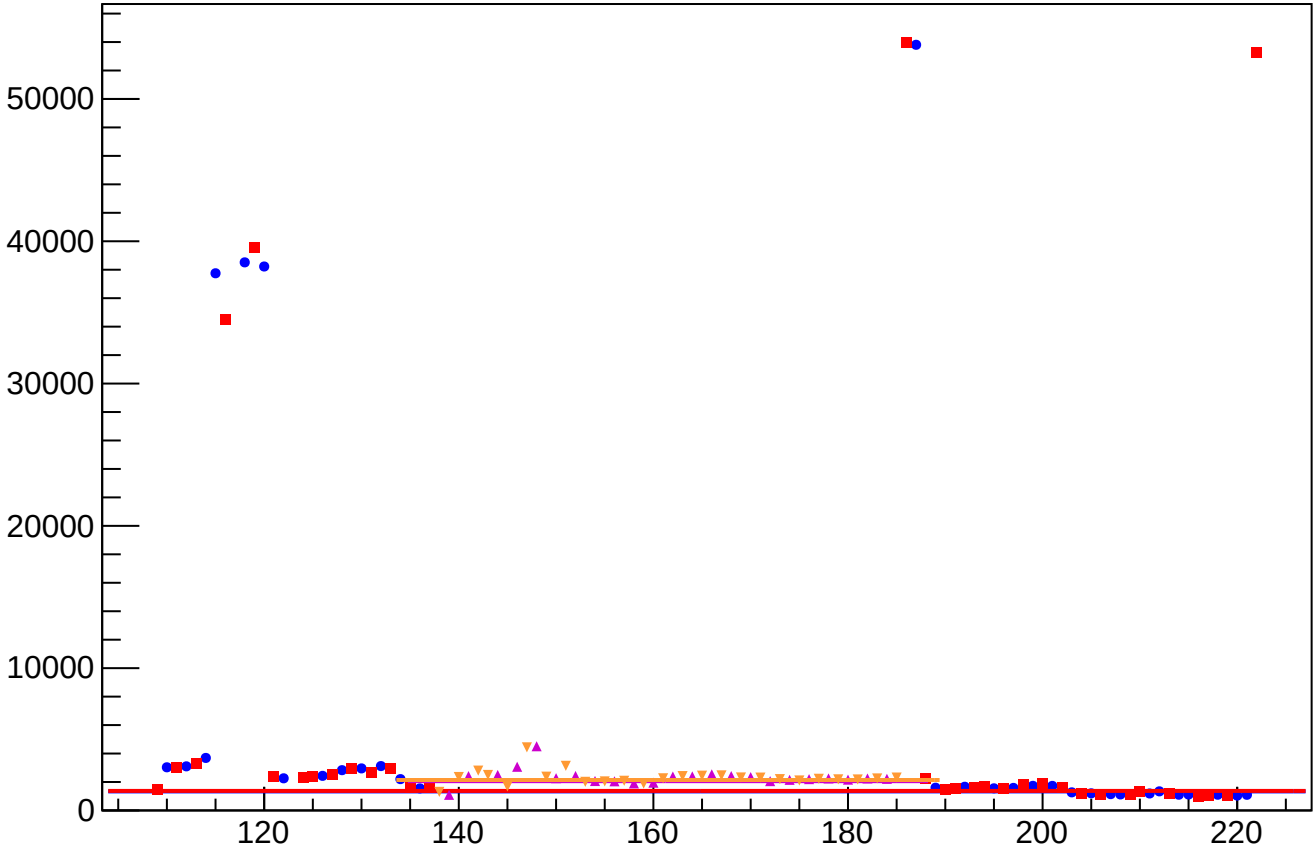
Right: 0.595+/-0.235 χ^2/NDF: 127.8/66

In: -0.387+/-0.272 χ^2/NDF:50.3/55

Out: 0.863+/-0.282 χ^2/NDF:119.4/58

All: 0.215+/-0.196 χ^2/NDF: 179.9/114

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: 1372.923+/-0.241 χ^2/NDF: 7159936.4/32

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

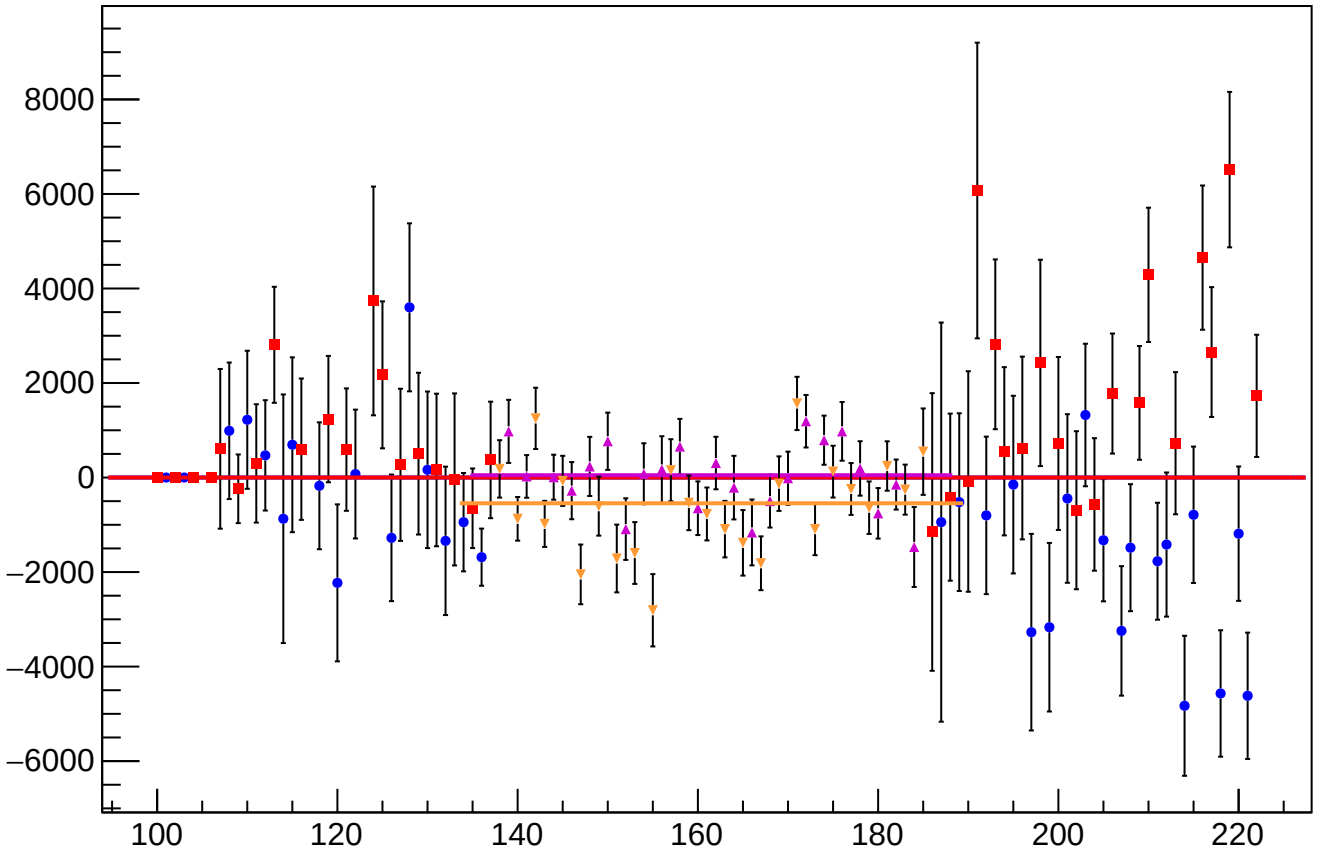
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1355.004+/-0.166 χ^2/NDF: 12324618.9/63

In: 1550.974+/-0.192 χ^2/NDF:10352514.4/53

Out: 1614.693+/-0.200 χ^2/NDF:11824256.3/57

All: 1581.682+/-0.139 χ^2/NDF: 22229586.1/



Right In: 0.253+/-0.356 χ^2/NDF: 70.6/33

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.094+/-0.328 χ^2/NDF: 67.3/37

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

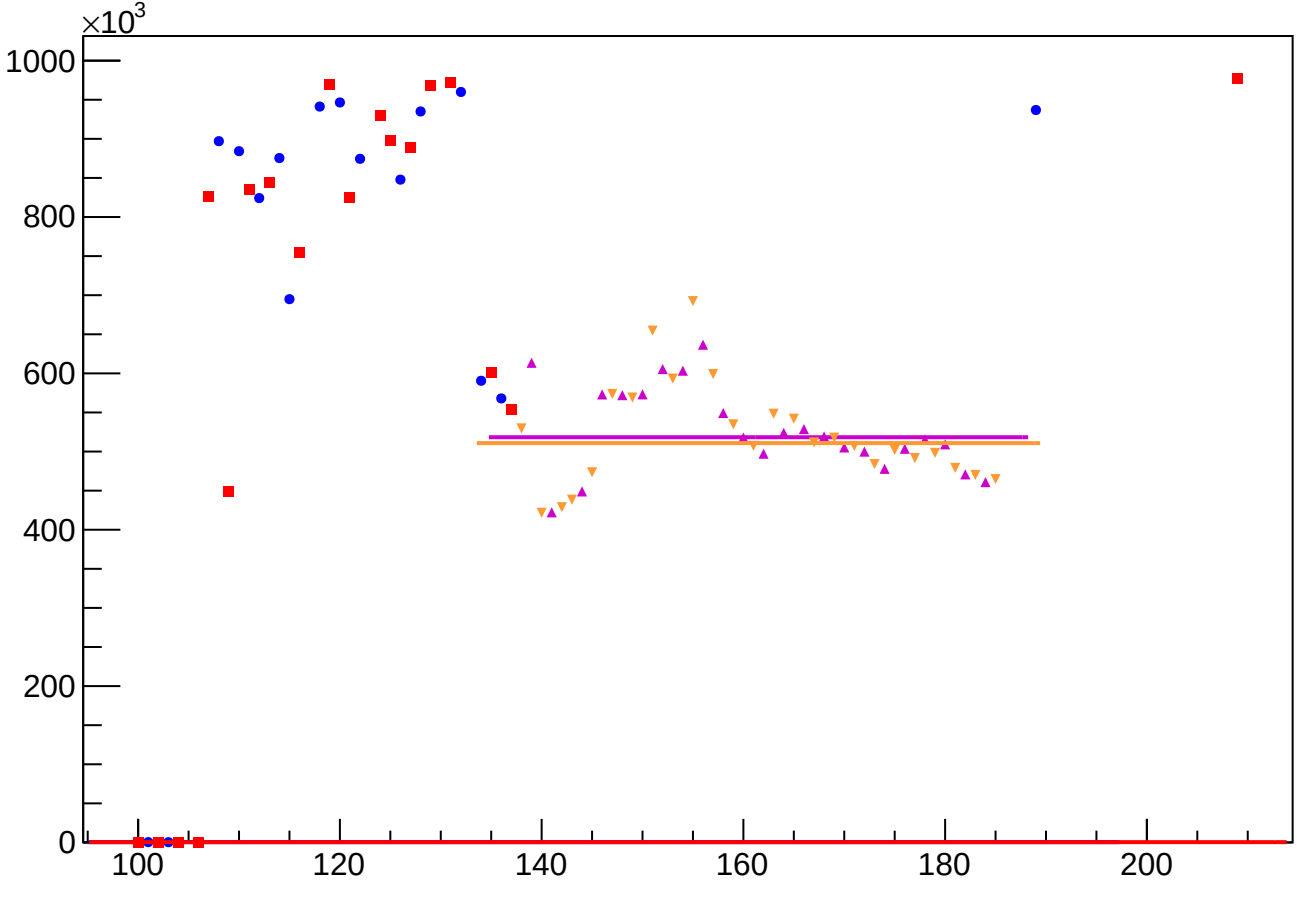
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 138.5/71

In: 0.254+/-0.356 χ^2/NDF:98.7/56

Out: -0.099+/-0.328 χ^2/NDF:149.8/62

All: 0.063+/-0.241 χ^2/NDF: 249.0/119



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

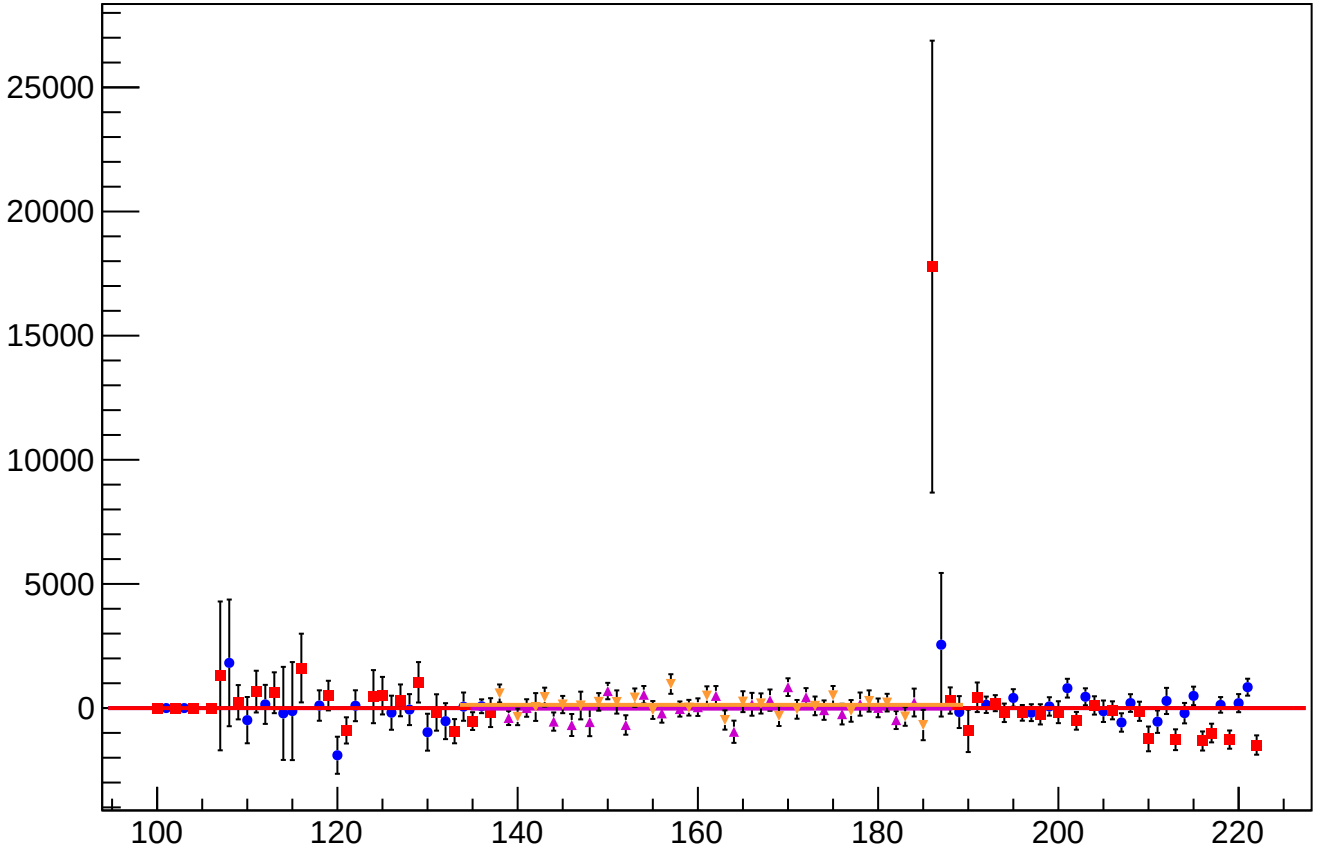
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: -0.604+/-0.324 χ^2/NDF: 85.7/37

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

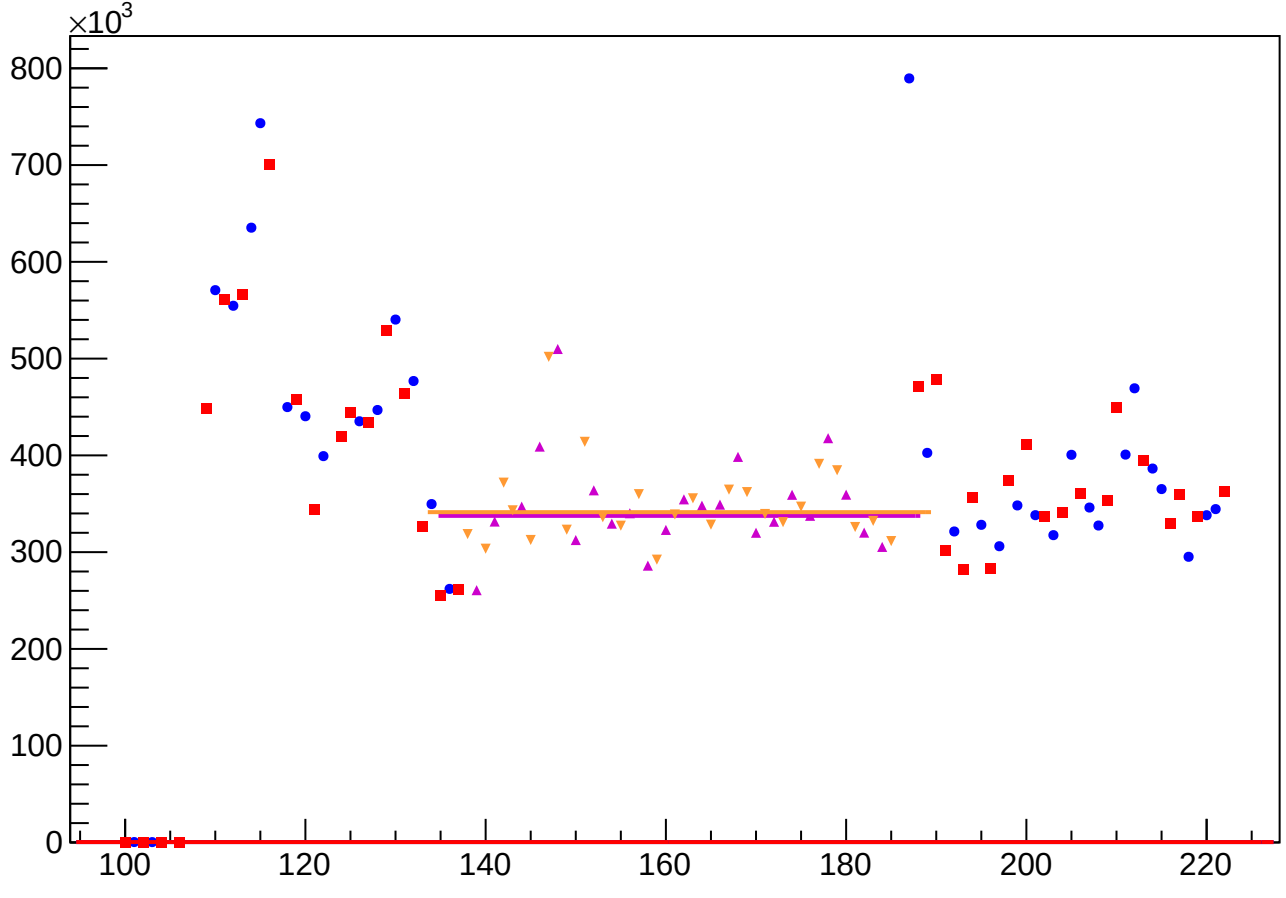
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.332+/-0.237 χ^2/NDF: 119.8/71

In: -0.018+/-0.347 χ^2/NDF:66.3/56

Out: -0.602+/-0.324 χ^2/NDF:108.6/62

All: -0.331+/-0.237 χ^2/NDF: 176.4/119



Right In: 395.222+/-0.245 χ^2/NDF: 39710379.9/32

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 392.131+/-0.229 χ^2/NDF: 39329493.2/35

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

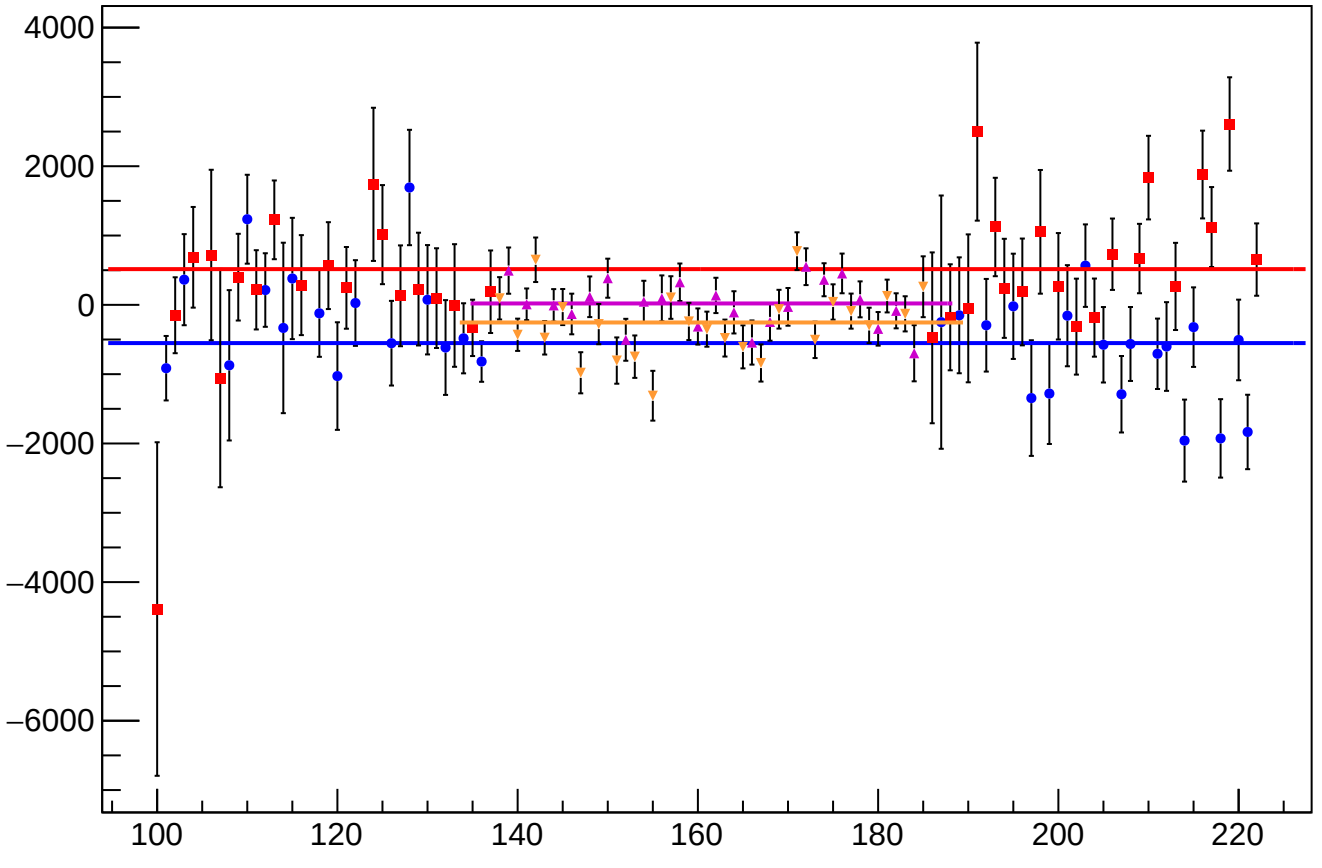
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 393.569+/-0.167 χ^2/NDF: 79039957.9/68

In: 401.605+/-0.245 χ^2/NDF:76027952.3/55

Out: 397.969+/-0.229 χ^2/NDF:77700087.5/60

All: 399.661+/-0.167 χ^2/NDF: 153728157.2/



Right In: -551.590+/-104.418 χ^2/NDF: 50.1/33

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 515.484+/-109.852 χ^2/NDF: 45.7/37

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

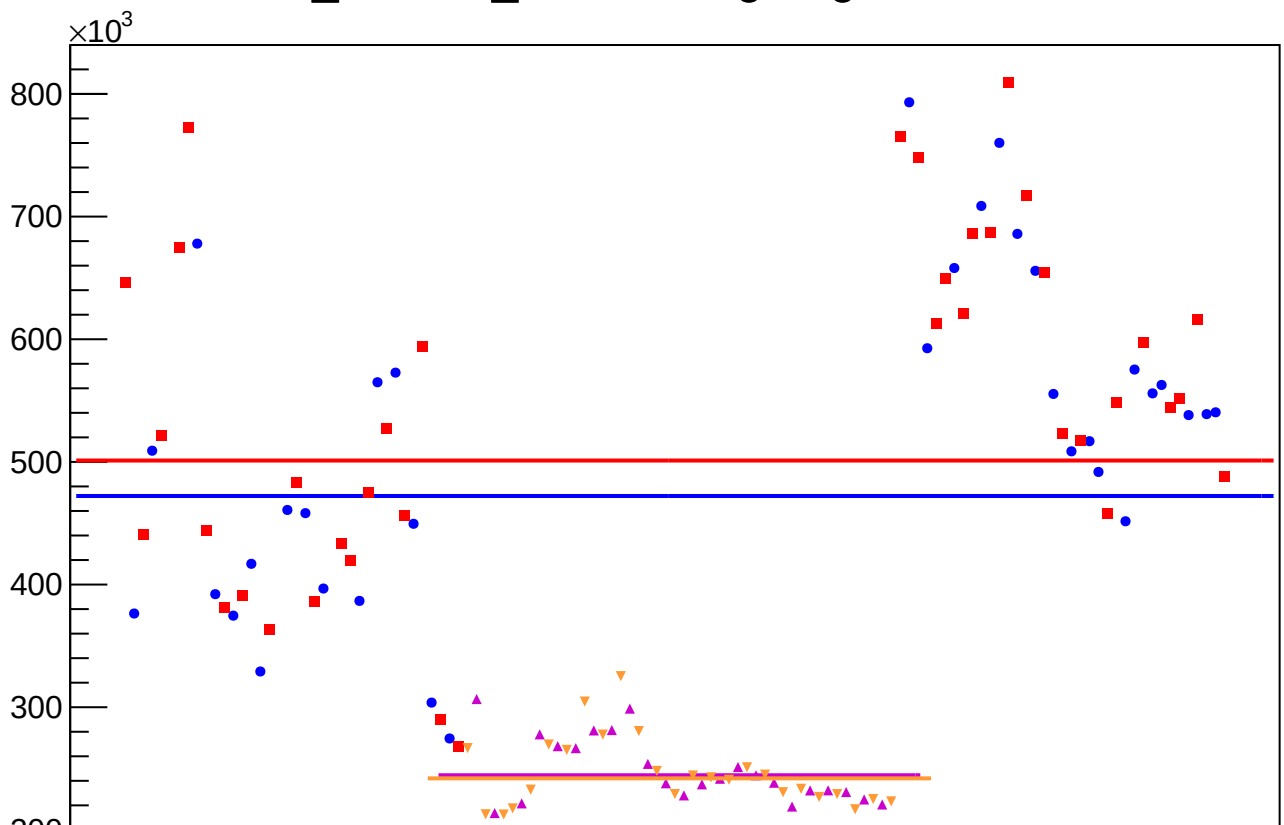
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -45.095+/-75.683 χ^2/NDF: 145.3/71

In: -112.806+/-50.357 χ^2/NDF:101.7/56

Out: -98.193+/-49.478 χ^2/NDF:146.1/62

All: -105.371+/-35.293 χ^2/NDF: 247.8/119



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: 501128.867+/-77.745 χ^2/NDF: 2673141.9/37

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

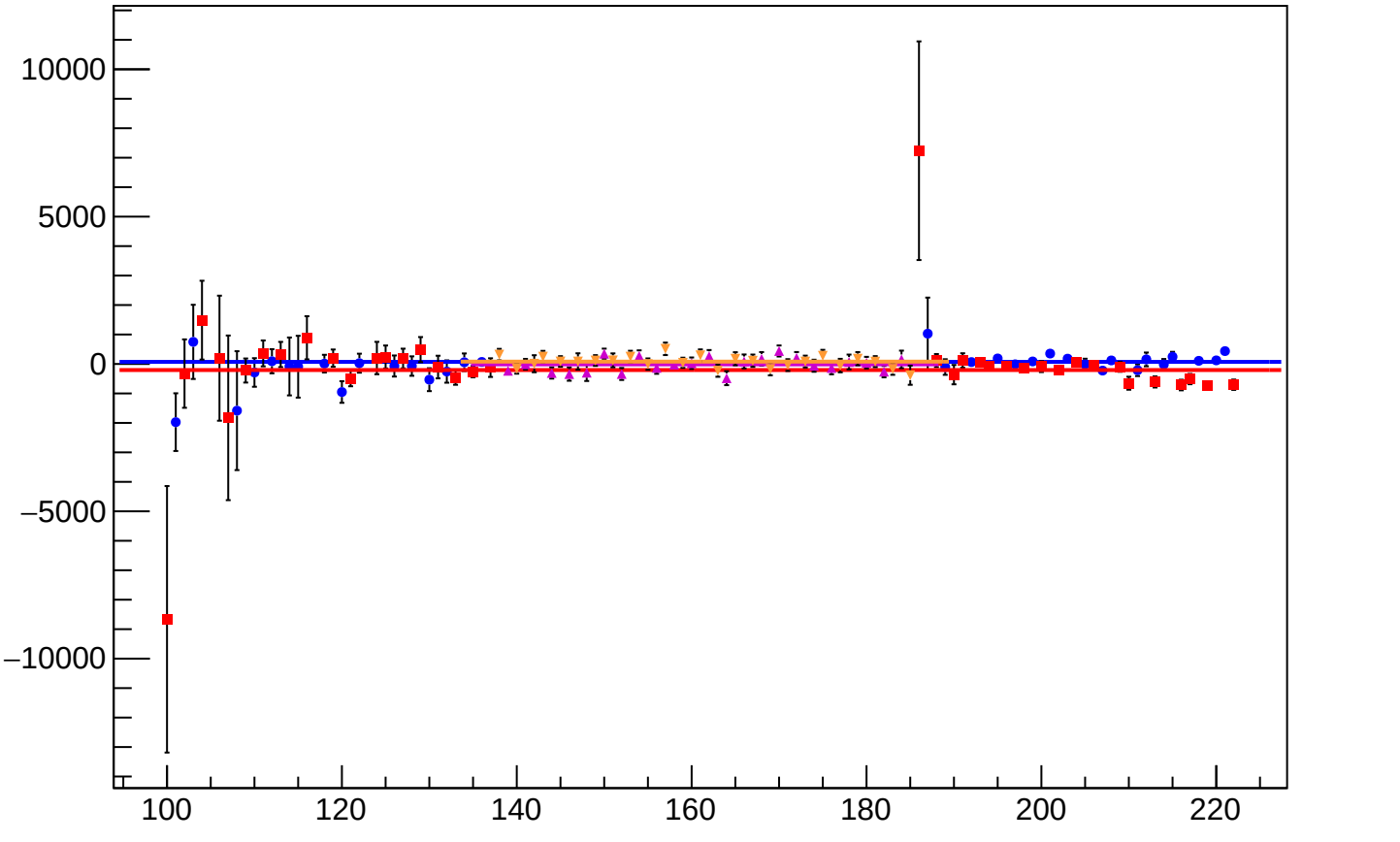
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 485927.164+/-53.542 χ^2/NDF: 5614786.0/71

In: 297482.772+/-35.609 χ^2/NDF:10525496.0/56

Out: 294502.023+/-34.992 χ^2/NDF:11944492.3/62

All: 295966.364+/-24.959 χ^2/NDF: 2247352



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: -205.981+/-36.561 χ^2/NDF: 77.1/37

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

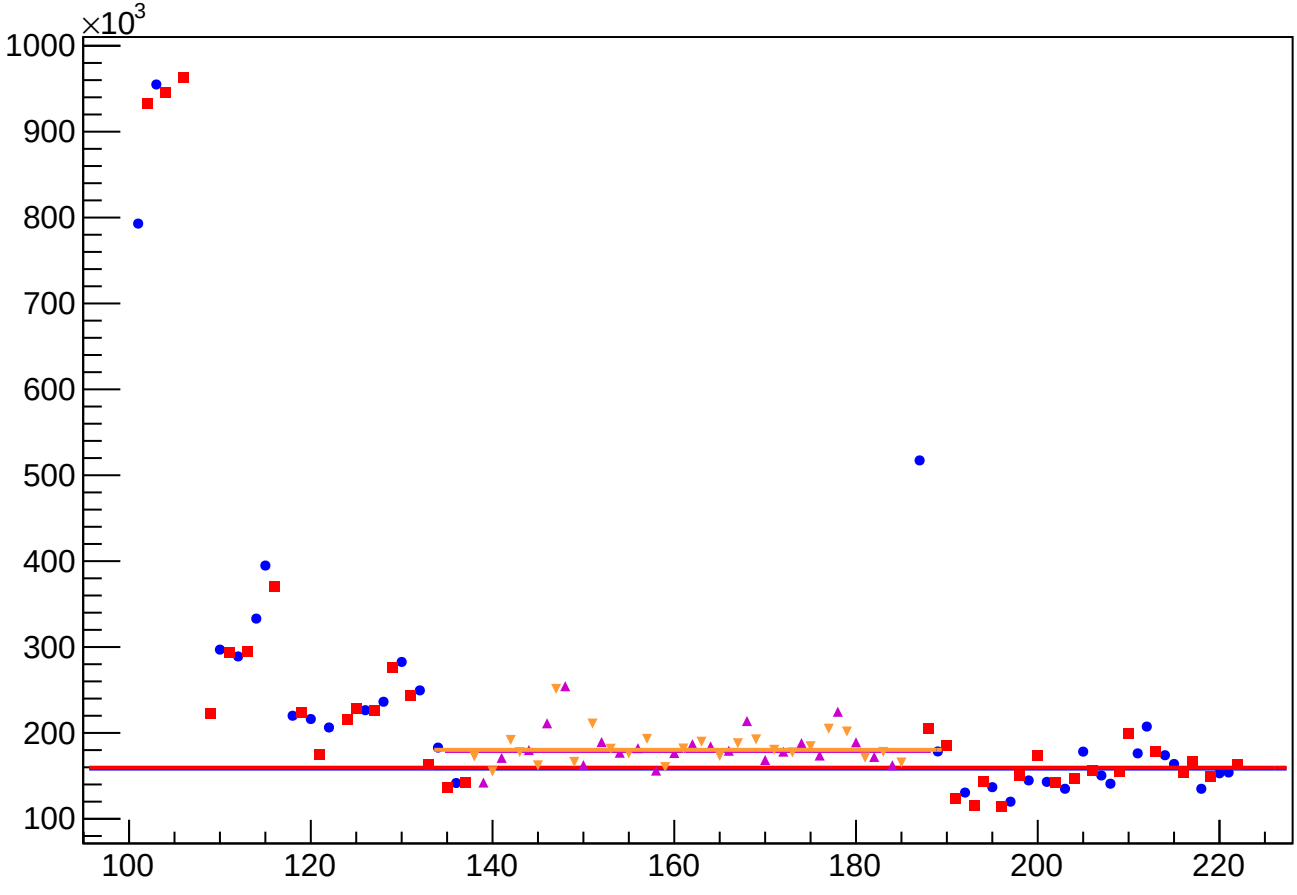
Right: -65.203+/-25.629 χ^2/NDF: 142.3/71

In: 35.179+/-27.369 χ^2/NDF:71.5/56

Out: -80.557+/-27.376 χ^2/NDF:123.6/62

All: -22.676+/-19.355 χ^2/NDF: 204.1/119

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: 159530.135+/-25.865 χ^2/NDF: 3374663.3/34

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

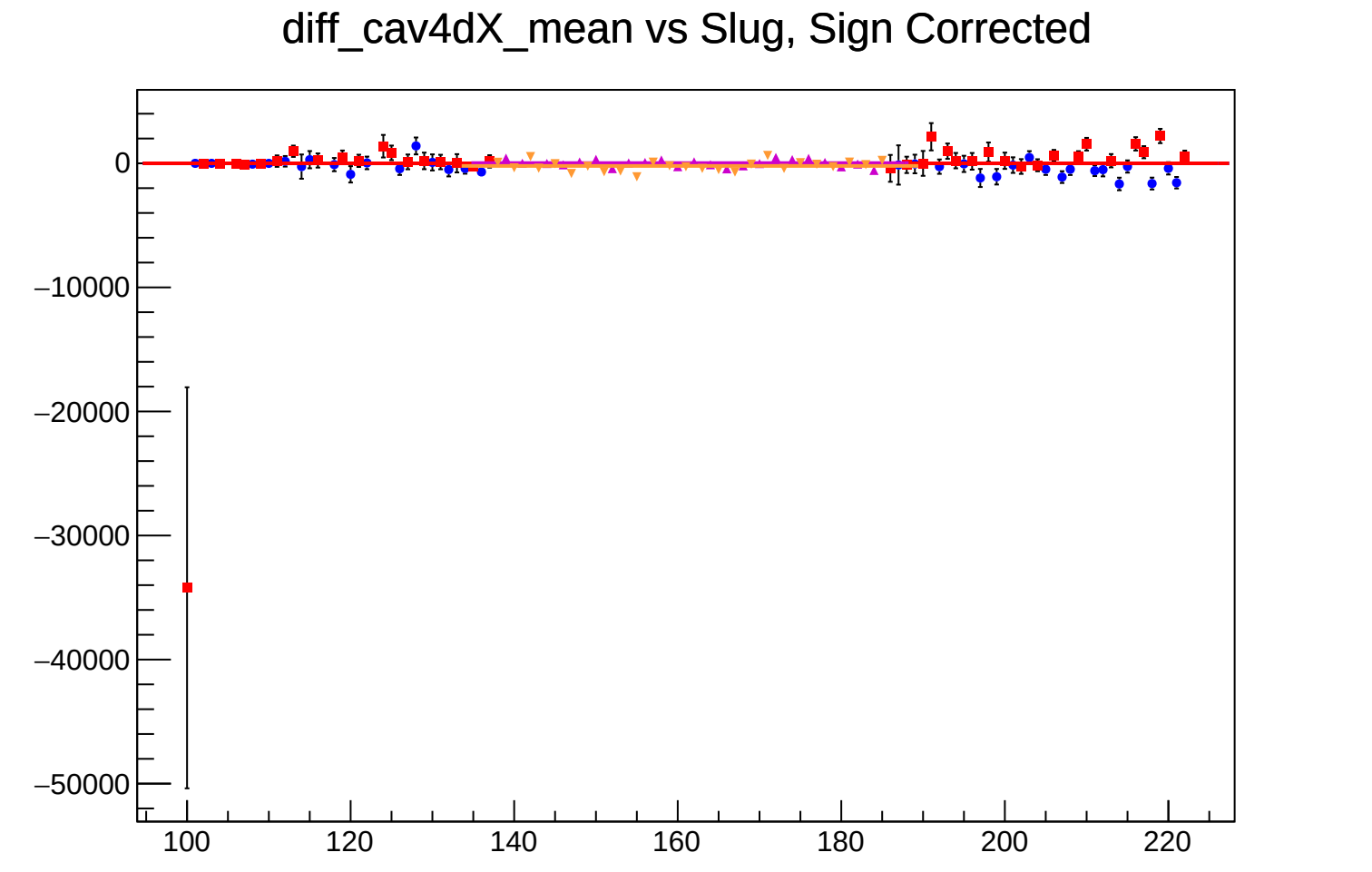
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 159019.483+/-18.129 χ^2/NDF: 6809927.9/67

In: 167137.710+/-19.356 χ^2/NDF:4209101.0/55

Out: 168679.197+/-19.363 χ^2/NDF:4005890.0/59

All: 167908.198+/-13.689 χ^2/NDF: 8218161.



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: 66.1/37

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

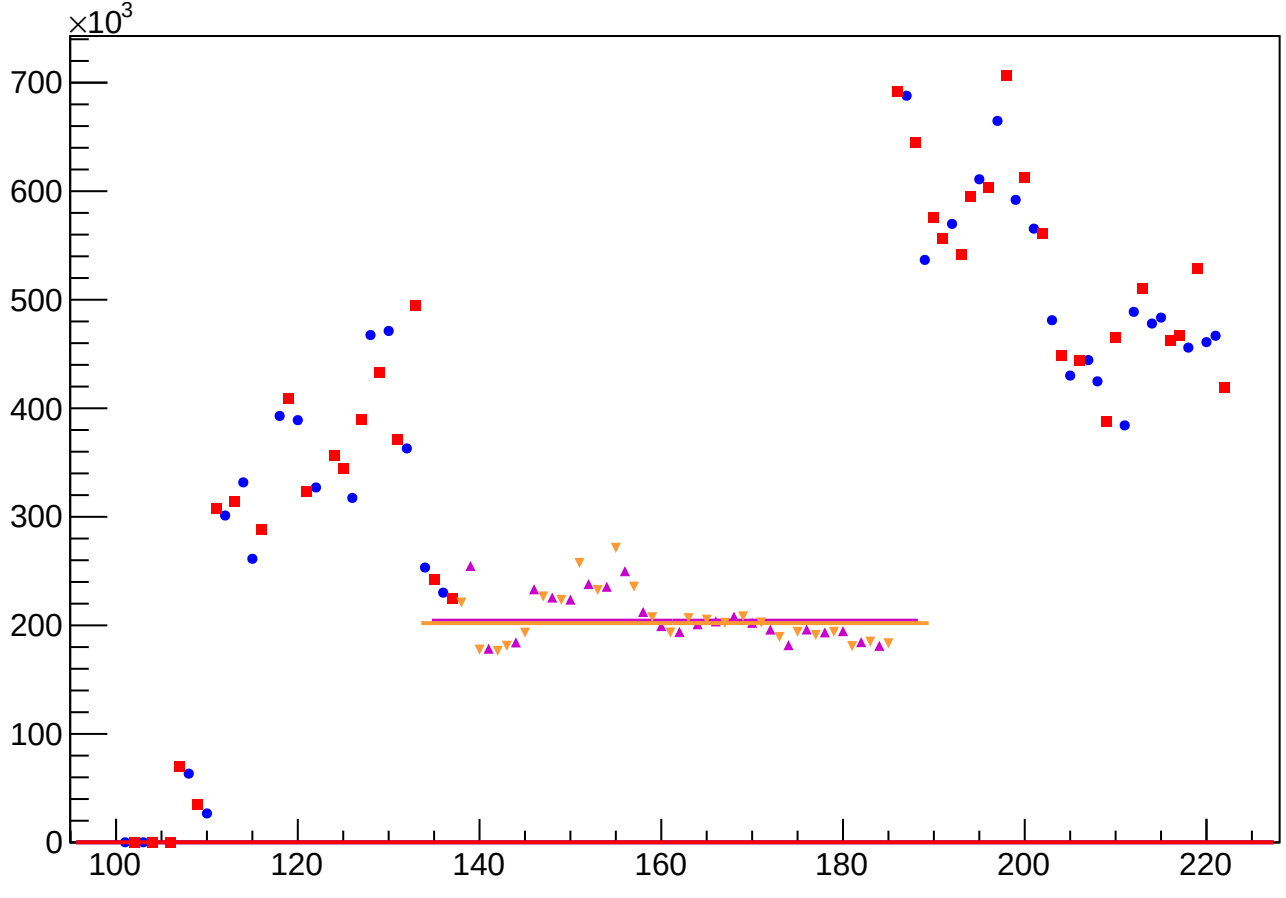
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 138.6/71

In: -0.036+/-0.172 χ^2/NDF:98.5/56

Out: 0.354+/-0.160 χ^2/NDF:148.0/62

All: 0.173+/-0.117 χ^2/NDF: 249.2/119



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: 150.115+/-0.113 χ^2/NDF: 40973799.4/36

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

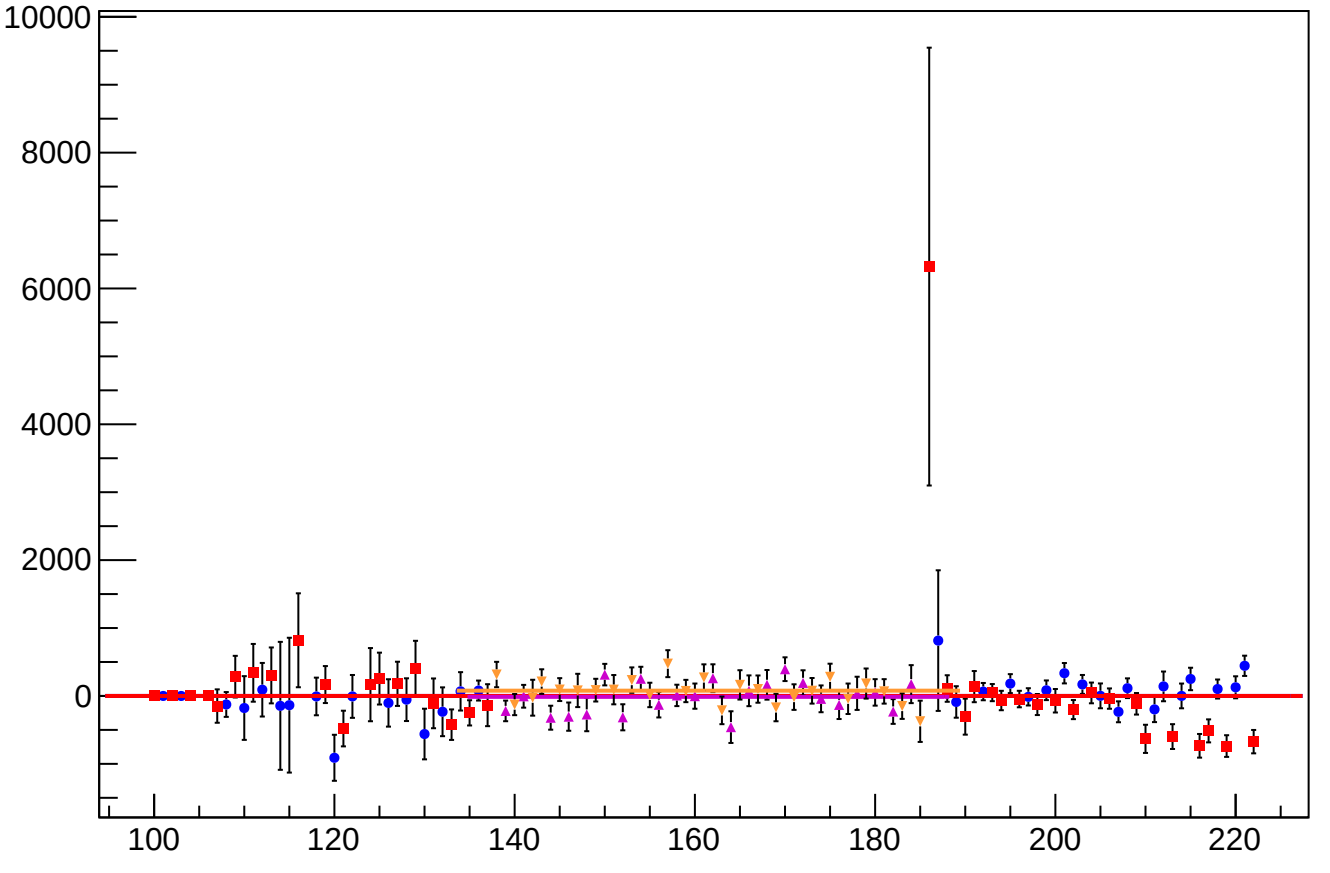
Right: 150.052+/-0.083 χ^2/NDF: 81787488.9/70

In: 152.605+/-0.122 χ^2/NDF:77316194.6/56

Out: 152.532+/-0.113 χ^2/NDF:79469359.1/61

All: 152.566+/-0.083 χ^2/NDF: 156785553.9/1

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: 108.8/37

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

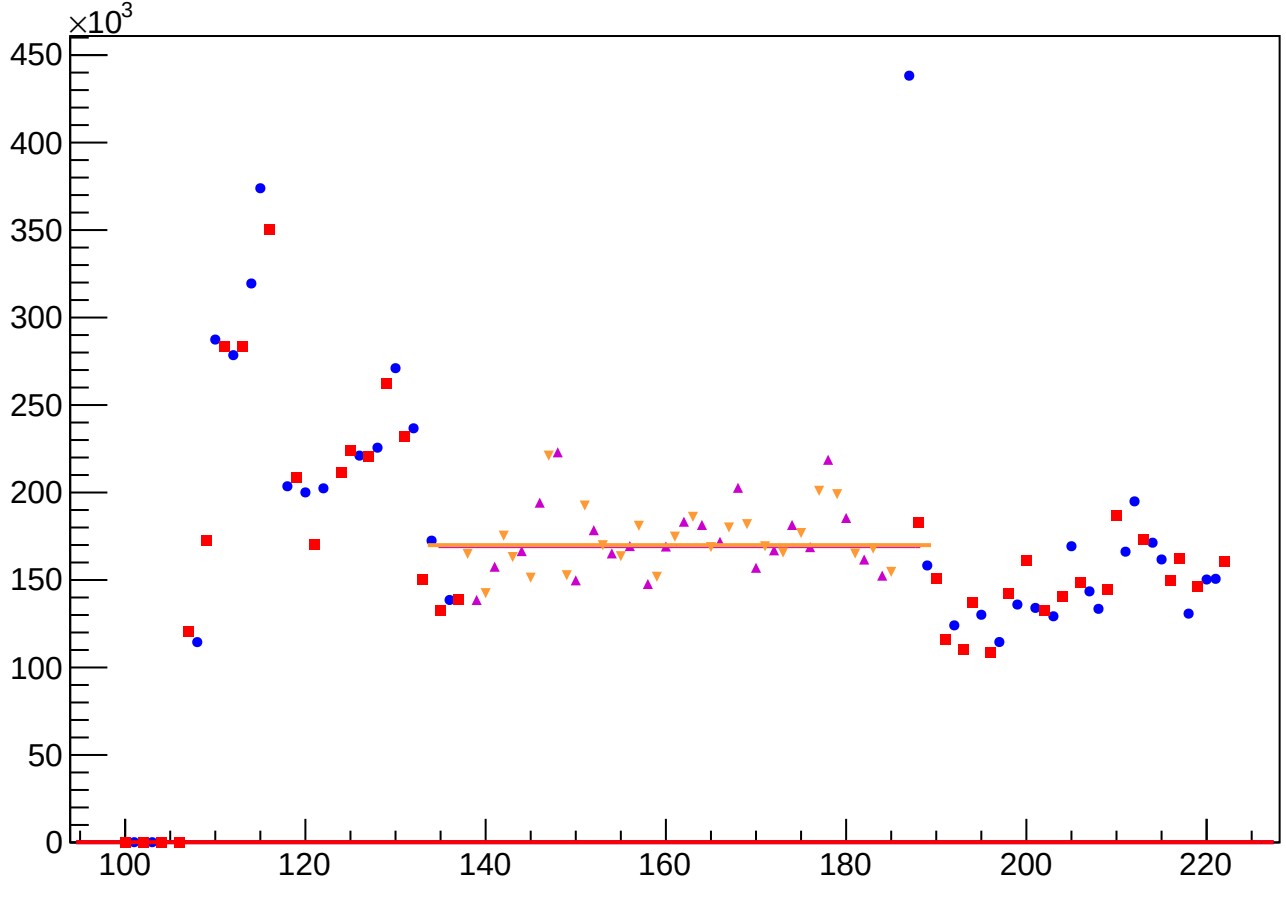
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 146.3/71

In: -0.066+/-0.177 χ^2/NDF:70.2/56

Out: -0.129+/-0.166 χ^2/NDF:131.8/62

All: -0.099+/-0.121 χ^2/NDF: 202.1/119



Right In: 156.610+/-0.125 χ^2/NDF: 40972163.3/33

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.866+/-0.118 χ^2/NDF: 39824952.2/36

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

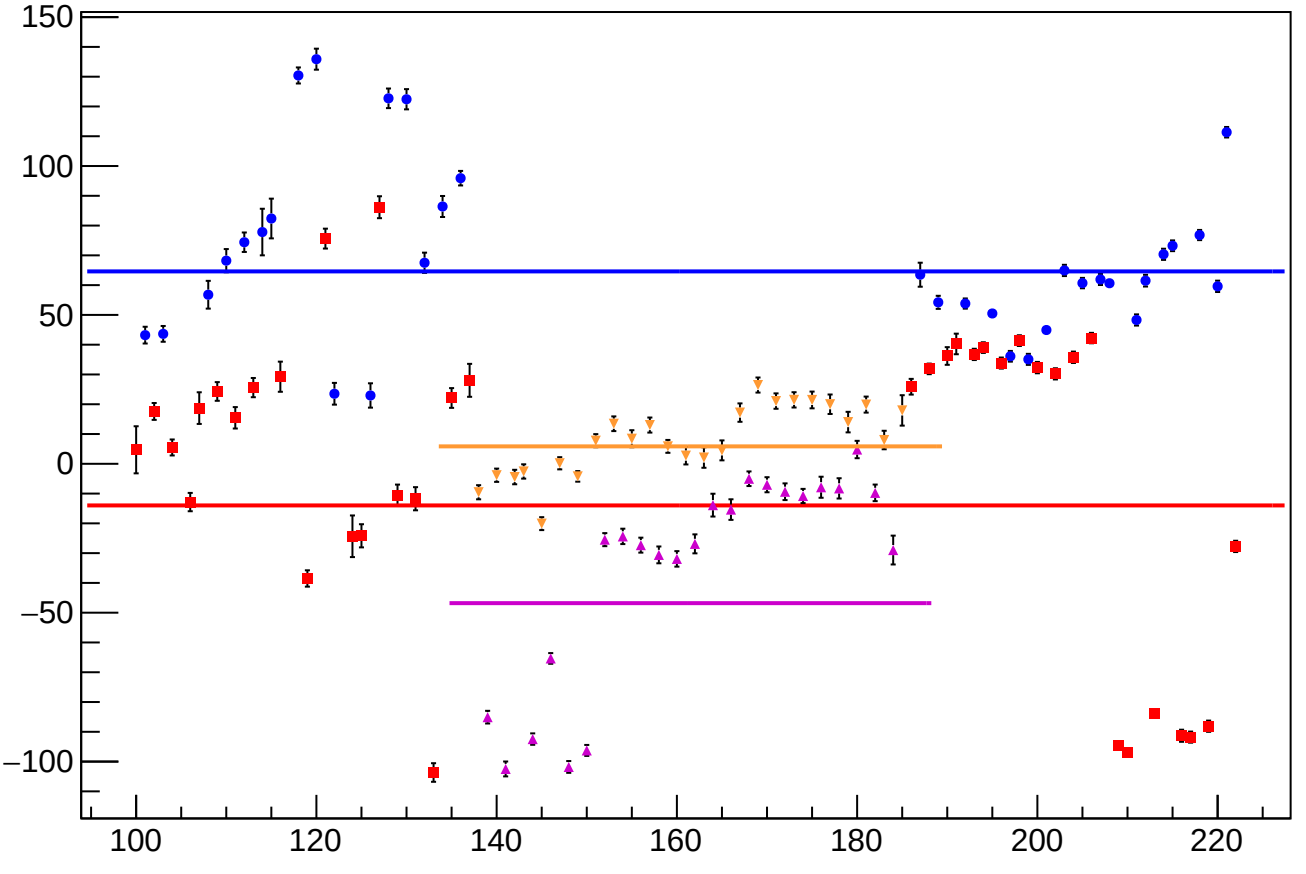
Right: 157.809+/-0.086 χ^2/NDF: 80797287.7/70

In: 159.943+/-0.125 χ^2/NDF:77356902.2/56

Out: 161.972+/-0.118 χ^2/NDF:78234750.4/61

All: 161.021+/-0.086 χ^2/NDF: 155591791.8/1

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: -13.978+/-0.378 χ^2/NDF: 24200.3/37

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

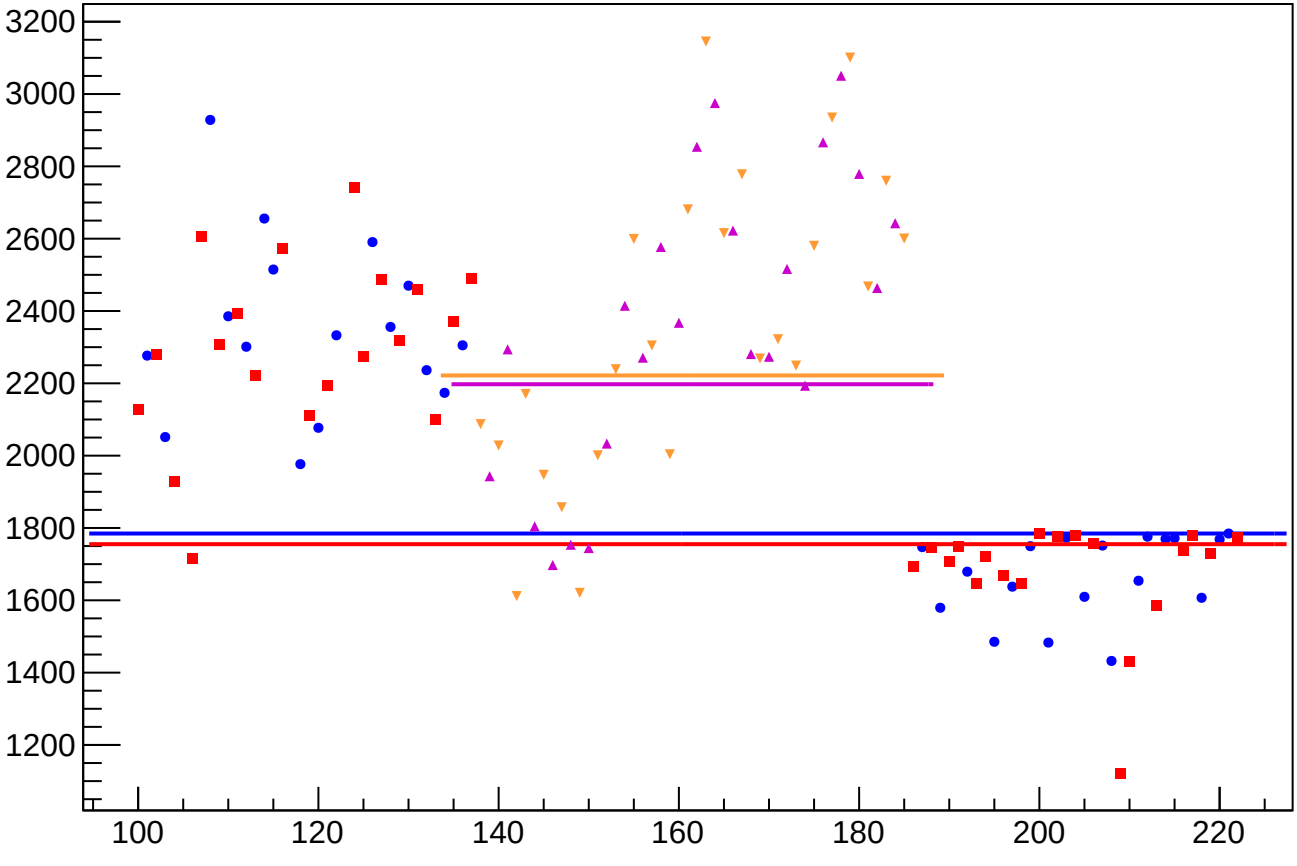
Right: 24.452+/-0.270 χ^2/NDF: 49146.3/71

In: 25.371+/-0.311 χ^2/NDF:38247.7/56

Out: -7.010+/-0.305 χ^2/NDF:25701.0/62

All: 8.834+/-0.218 χ^2/NDF: 69475.5/119

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: 1755.217+/-0.268 χ^2/NDF: 1478405.3/37

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

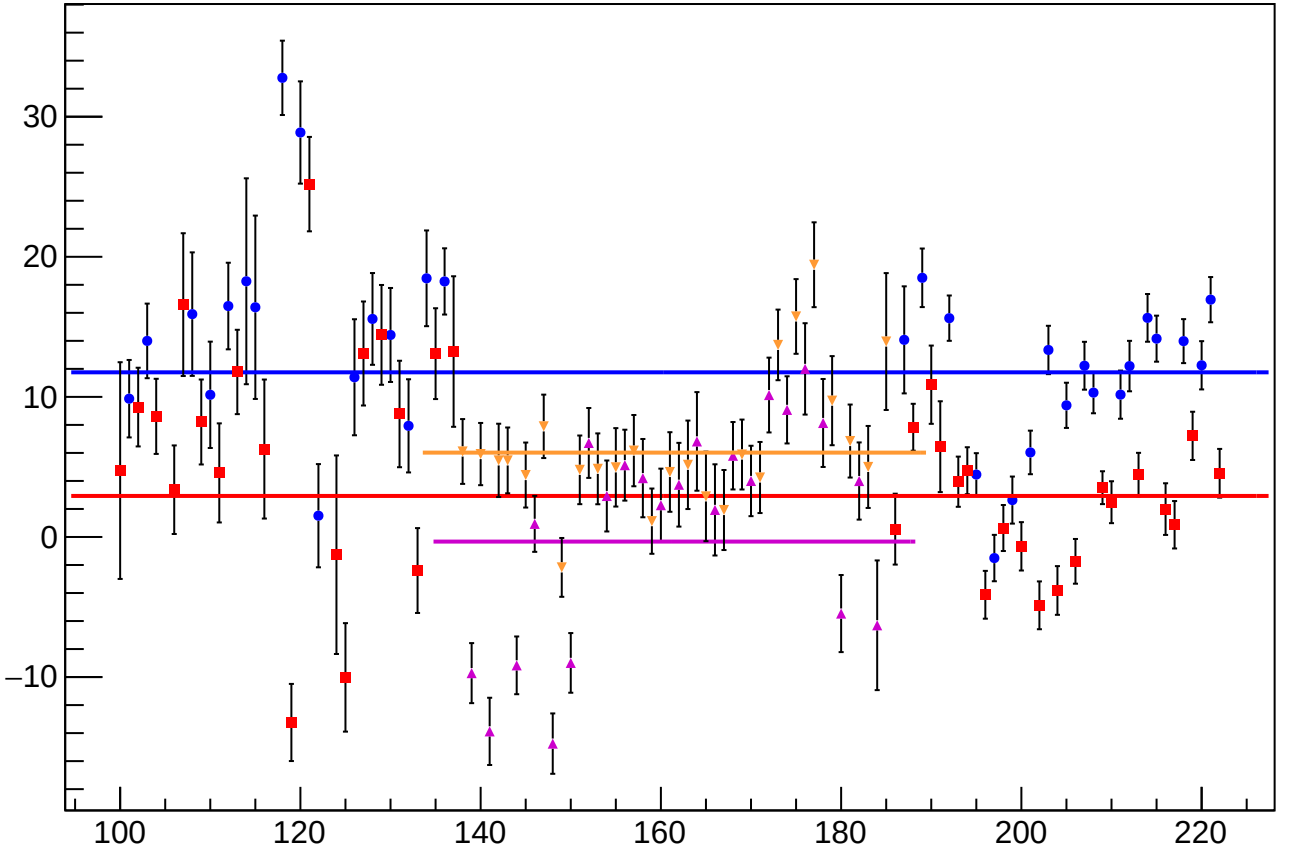
Right: 1769.619+/-0.191 χ^2/NDF: 2594563.1/71

In: 1930.068+/-0.220 χ^2/NDF:3017450.2/56

Out: 1919.165+/-0.215 χ^2/NDF:3731290.9/62

All: 1924.500+/-0.154 χ^2/NDF: 6749994.1/11

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: 2.929+/-0.355 χ^2/NDF: 254.0/37

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

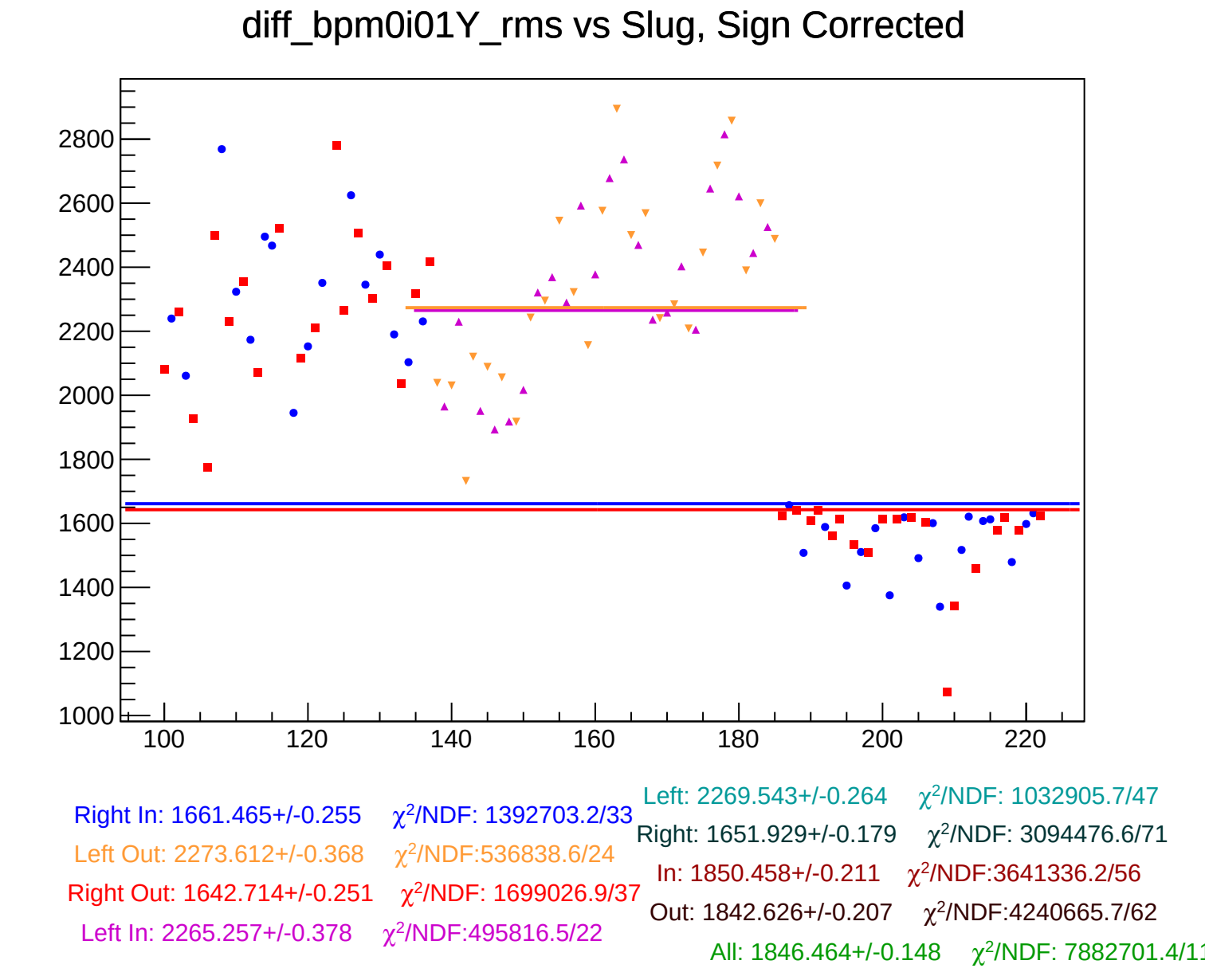
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 7.266+/-0.253 χ^2/NDF: 842.4/71

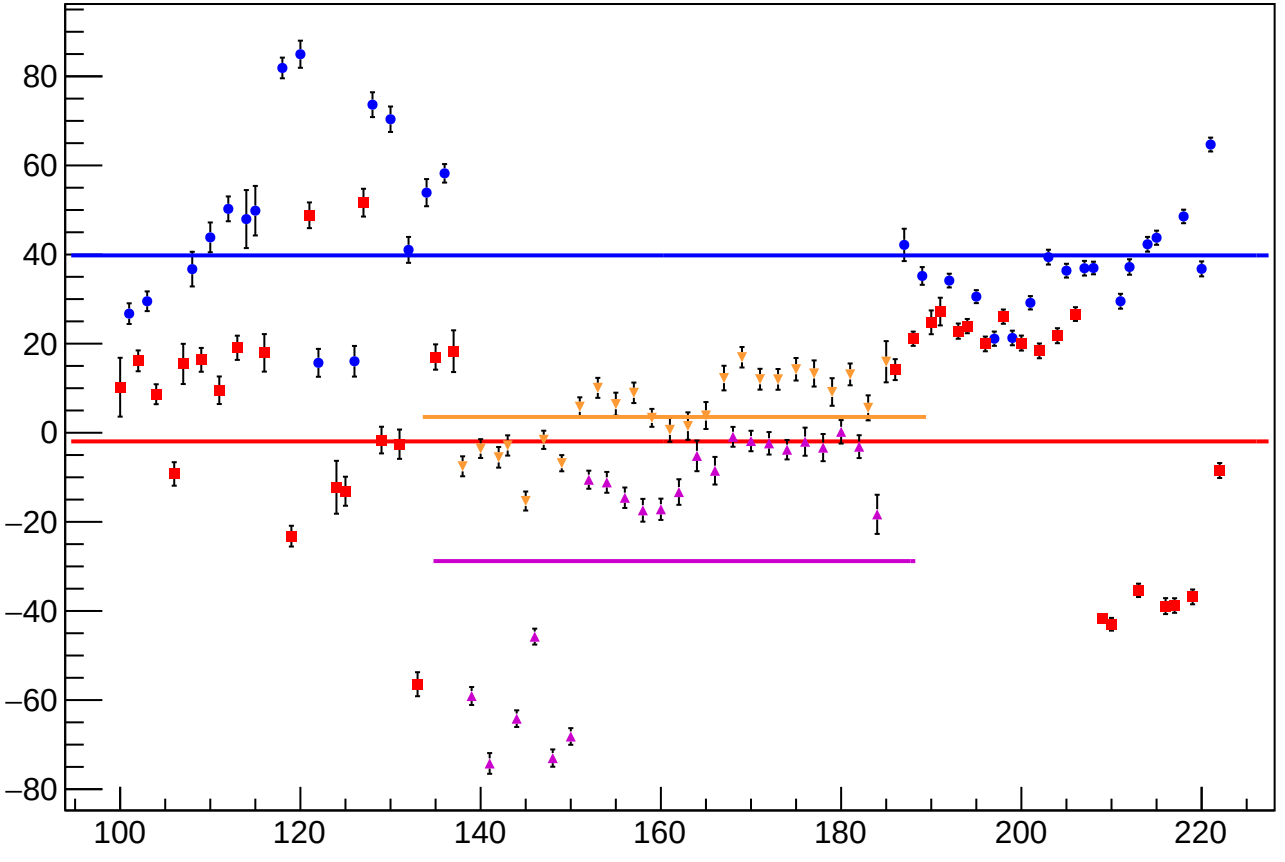
In: 7.972+/-0.299 χ^2/NDF:860.1/56

Out: 3.909+/-0.293 χ^2/NDF:349.8/62

All: 5.900+/-0.209 χ^2/NDF: 1304.0/119


diff_bpm0i01Y_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
100
120
140
160
180
200
220
Right In: 1661.465+/-0.255 χ²/NDF: 1392703.2/33
Left Out: 2273.612+/-0.368 χ²/NDF:536838.6/24
Right Out: 1642.714+/-0.251 χ²/NDF: 1699026.9/37
Left In: 2265.257+/-0.378 χ²/NDF:495816.5/22
Left: 2269.543+/-0.264 χ²/NDF: 1032905.7/47
Right: 1651.929+/-0.179 χ²/NDF: 3094476.6/71
In: 1850.458+/-0.211 χ²/NDF:3641336.2/56
Out: 1842.626+/-0.207 χ²/NDF:4240665.7/62
All: 1846.464+/-0.148 χ²/NDF: 7882701.4/11

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: -1.944+/-0.333 χ^2/NDF: 7651.6/37

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

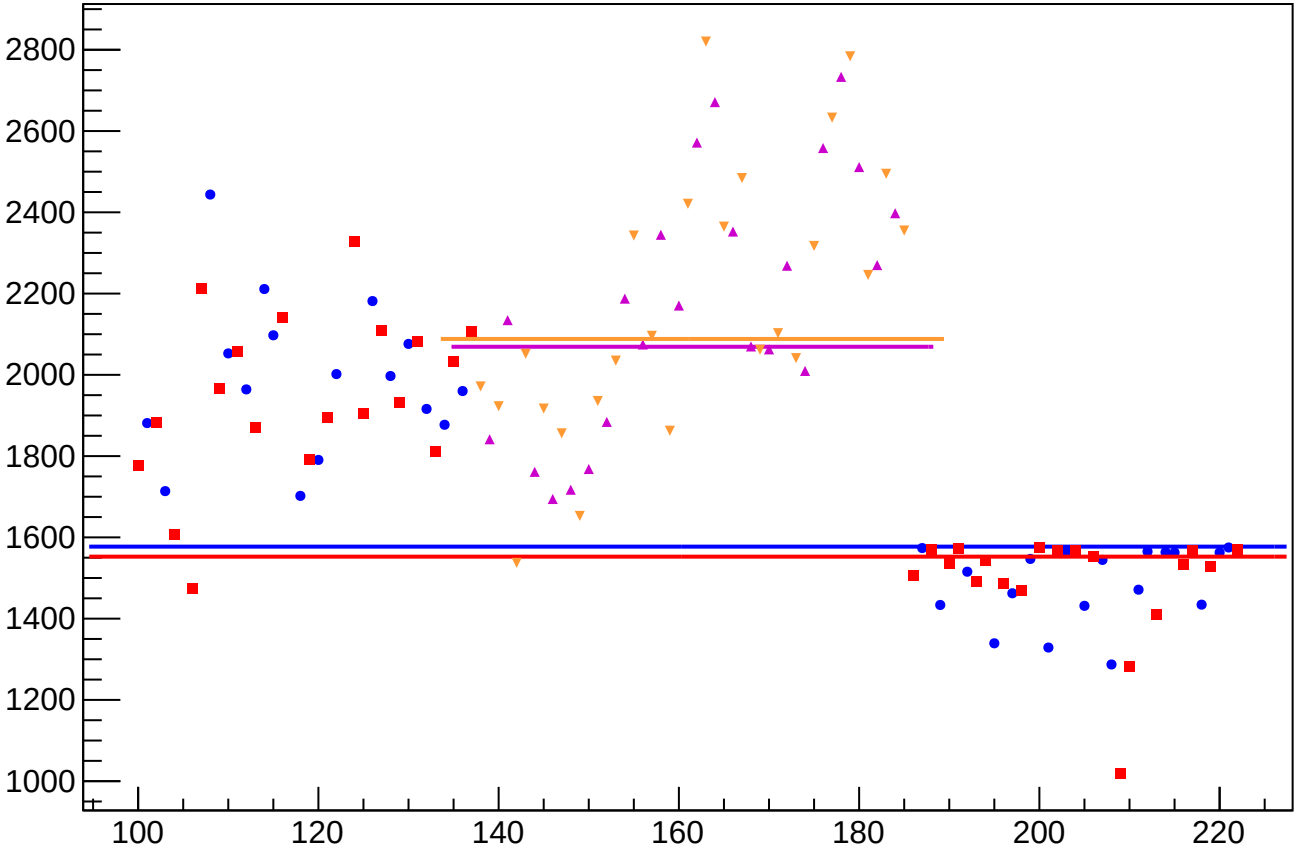
Right: 18.488+/-0.238 χ^2/NDF: 17145.8/71

In: 17.517+/-0.280 χ^2/NDF:18270.3/56

Out: -0.159+/-0.274 χ^2/NDF:8059.5/62

All: 8.489+/-0.196 χ^2/NDF: 28368.6/119

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: 1552.572+/-0.236 χ^2/NDF: 1177030.0/37

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

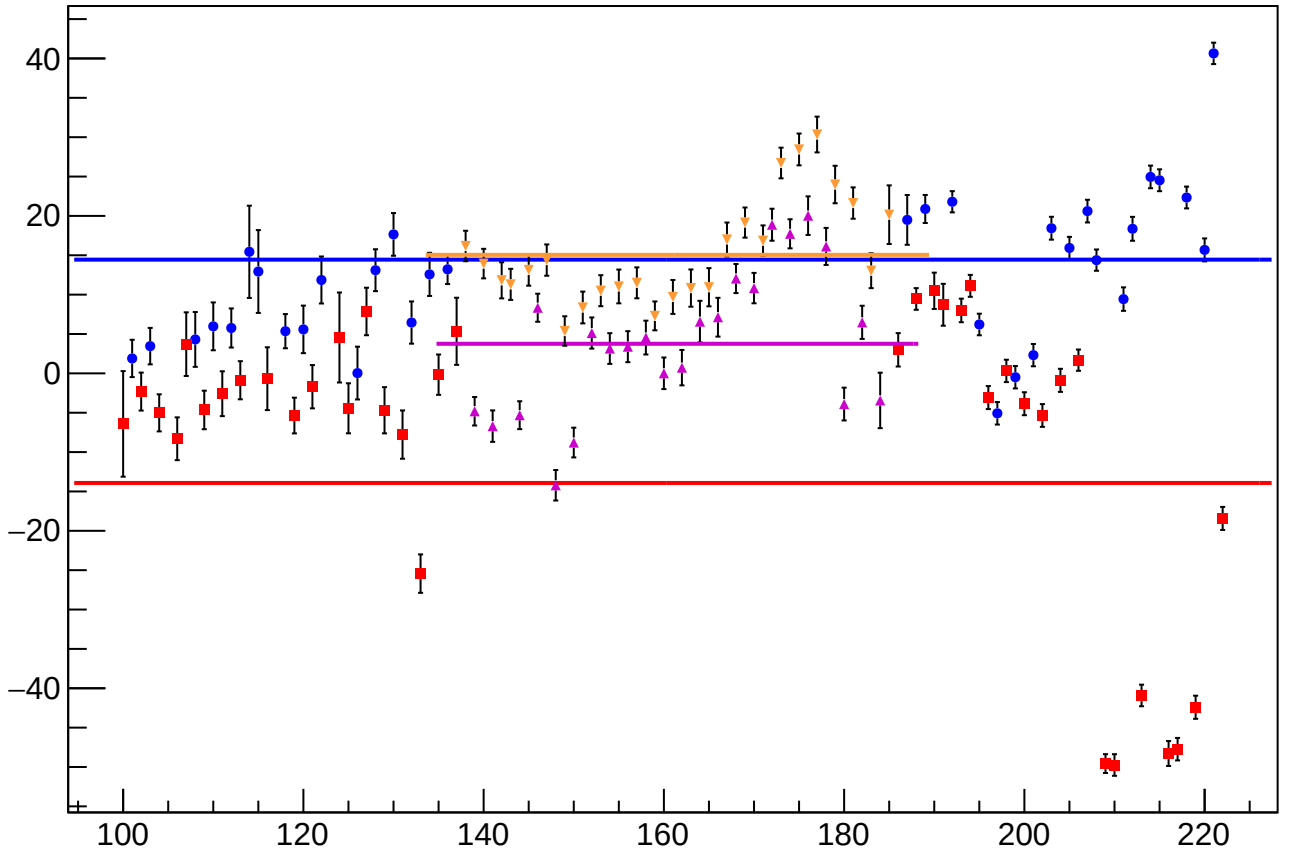
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1564.638+/-0.168 χ^2/NDF: 2034443.4/71

In: 1737.028+/-0.198 χ^2/NDF:2919486.6/56

Out: 1726.755+/-0.194 χ^2/NDF:3644286.4/62

All: 1731.781+/-0.138 χ^2/NDF: 6565150.2/11



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: -13.922+/-0.304 χ^2/NDF: 5223.0/37

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

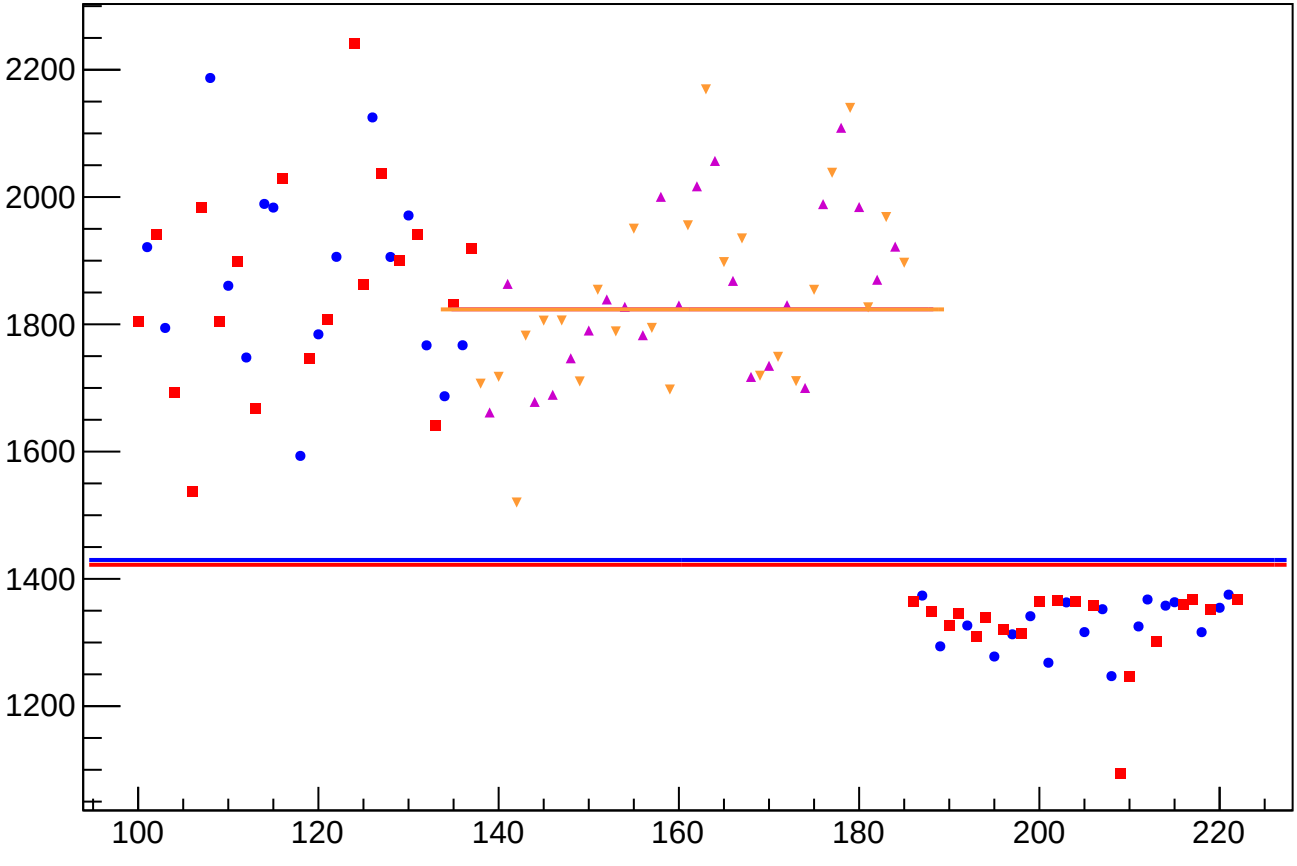
Right: 0.084+/-0.216 χ^2/NDF: 10659.4/71

In: 10.797+/-0.250 χ^2/NDF:2012.6/56

Out: -3.816+/-0.245 χ^2/NDF:8634.1/62

All: 3.358+/-0.175 χ^2/NDF: 12386.3/119

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: 1422.158+/-0.215 χ^2/NDF: 1064365.6/37

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

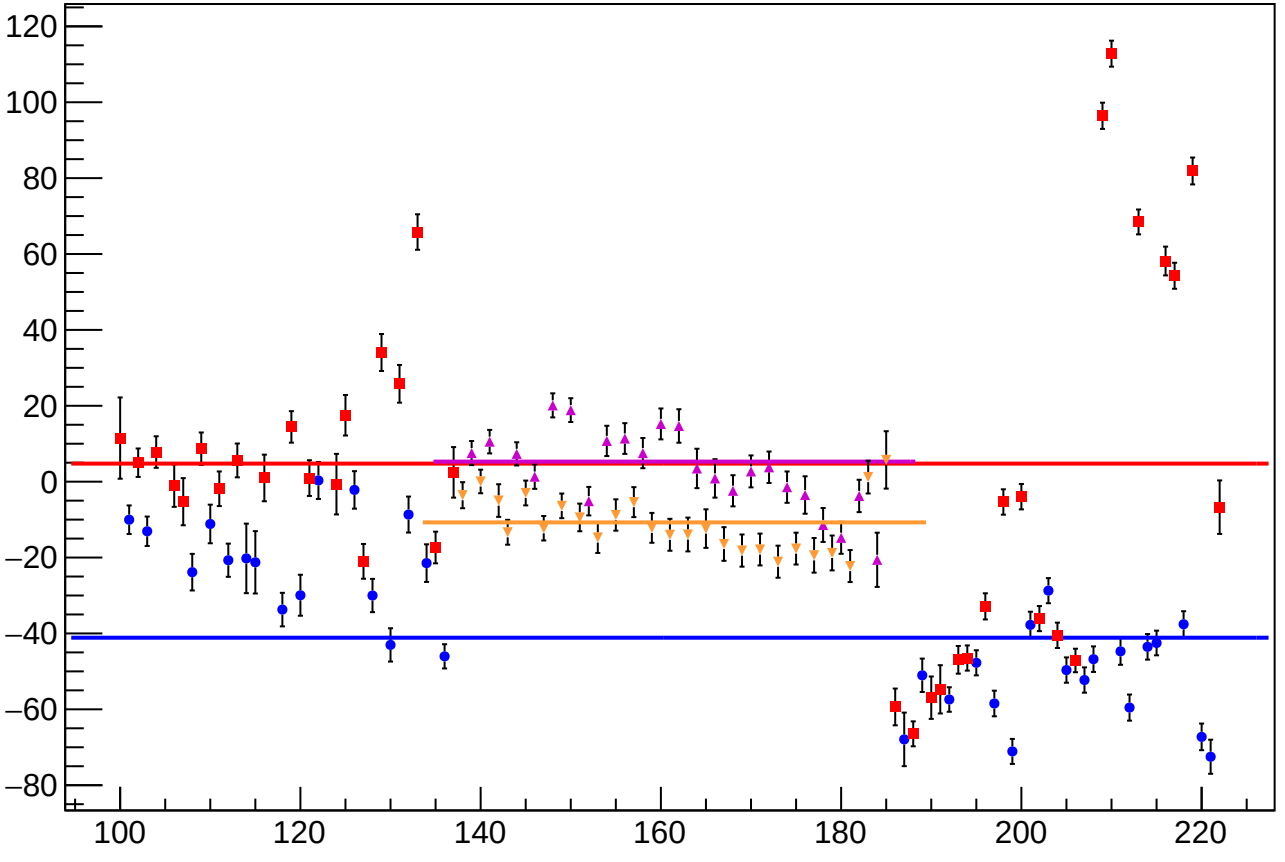
Right: 1425.889+/-0.153 χ^2/NDF: 2041839.6/71

In: 1564.199+/-0.177 χ^2/NDF:2257305.6/56

Out: 1562.108+/-0.174 χ^2/NDF:2489505.3/62

All: 1563.134+/-0.124 χ^2/NDF: 4746882.2/11

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: 4.763+/-0.673 χ^2/NDF: 5306.6/37

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

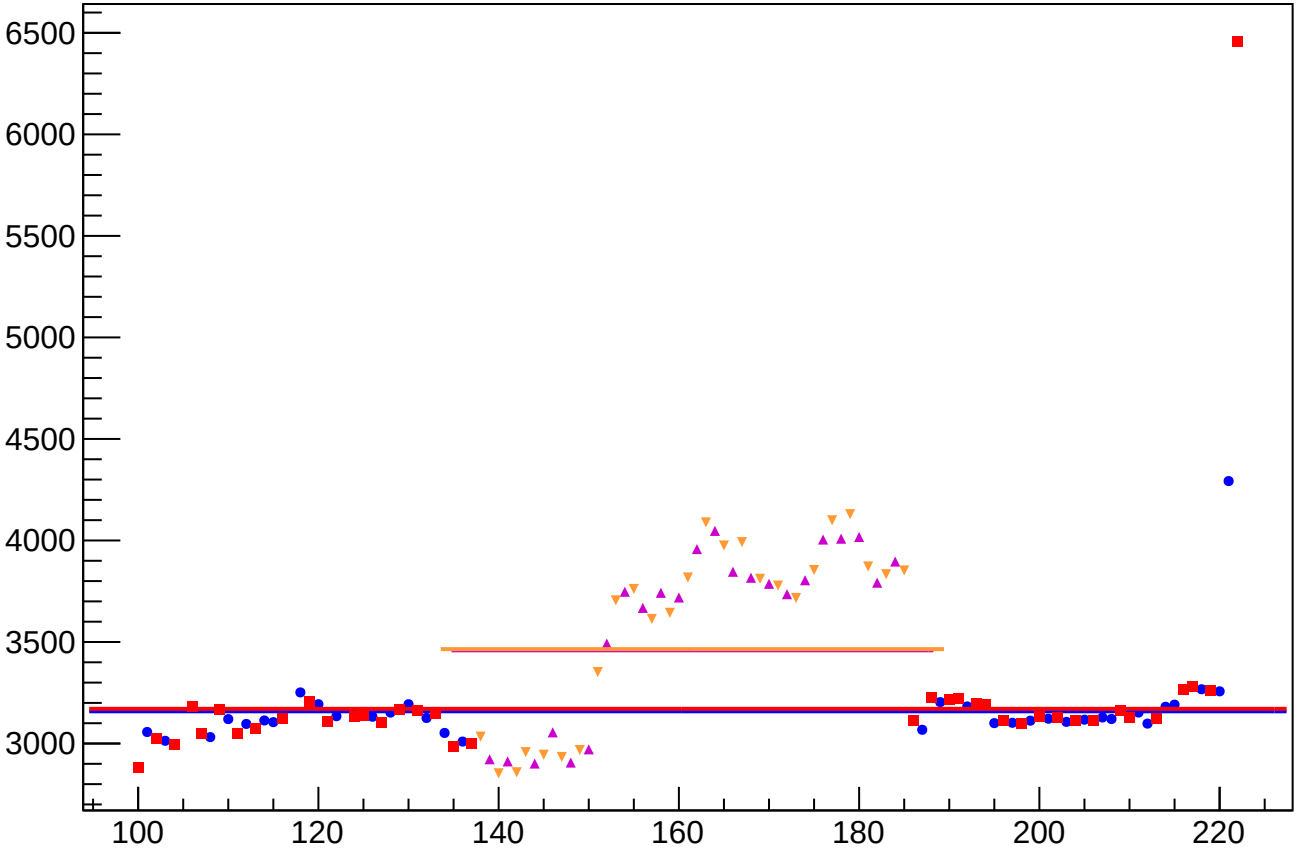
Right: -18.131+/-0.477 χ^2/NDF: 8367.7/71

In: -22.232+/-0.520 χ^2/NDF:2803.2/56

Out: -1.719+/-0.513 χ^2/NDF:5602.1/62

All: -11.855+/-0.365 χ^2/NDF: 9193.9/119

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3158.701+/-0.477 χ^2/NDF: 148435.0/33

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3170.848+/-0.476 χ^2/NDF: 461917.3/37

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

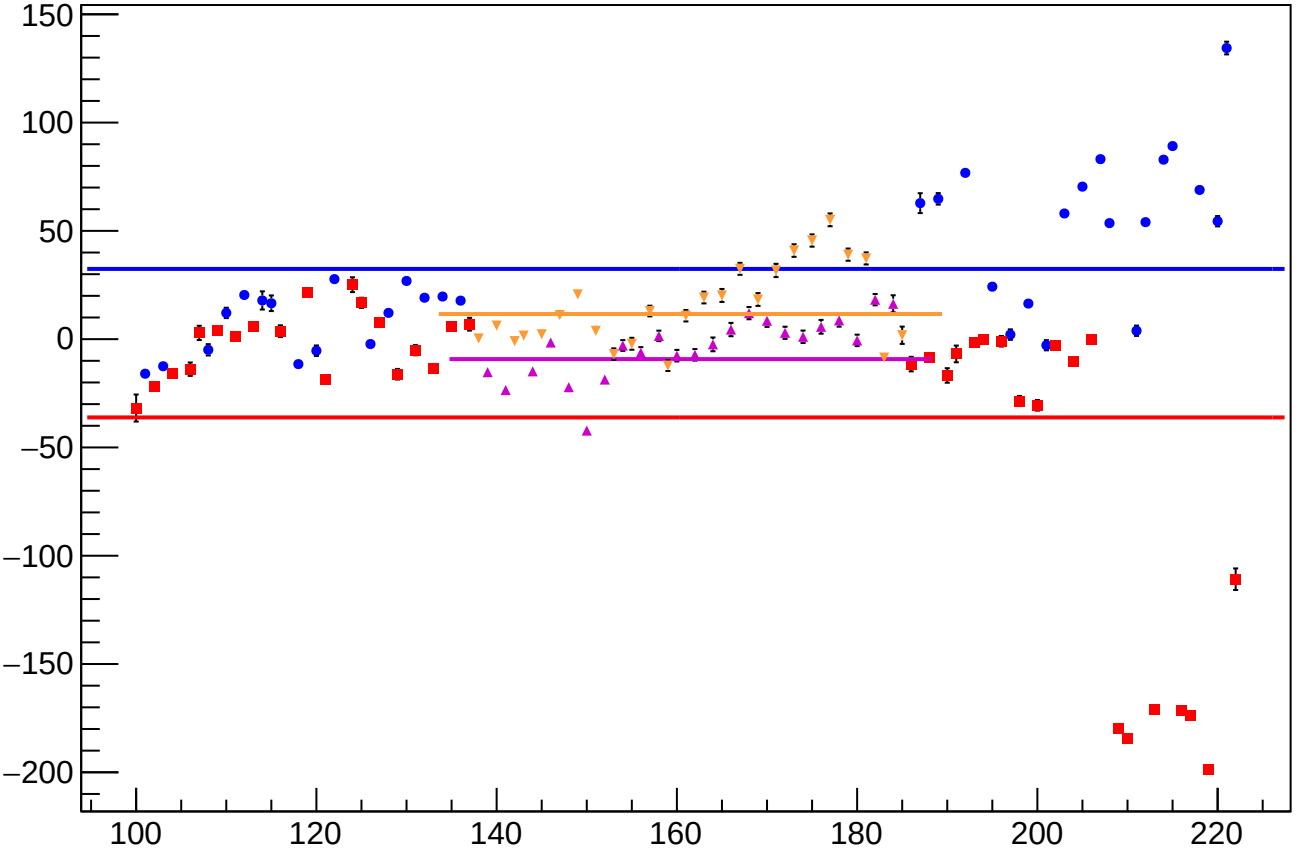
Right: 3164.787+/-0.337 χ^2/NDF: 610677.1/71

In: 3280.947+/-0.367 χ^2/NDF:893087.2/56

Out: 3293.862+/-0.363 χ^2/NDF:1265577.7/62

All: 3287.481+/-0.258 χ^2/NDF: 2159290.2/11

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: -36.136+/-0.381 χ^2/NDF: 32832.1/37

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

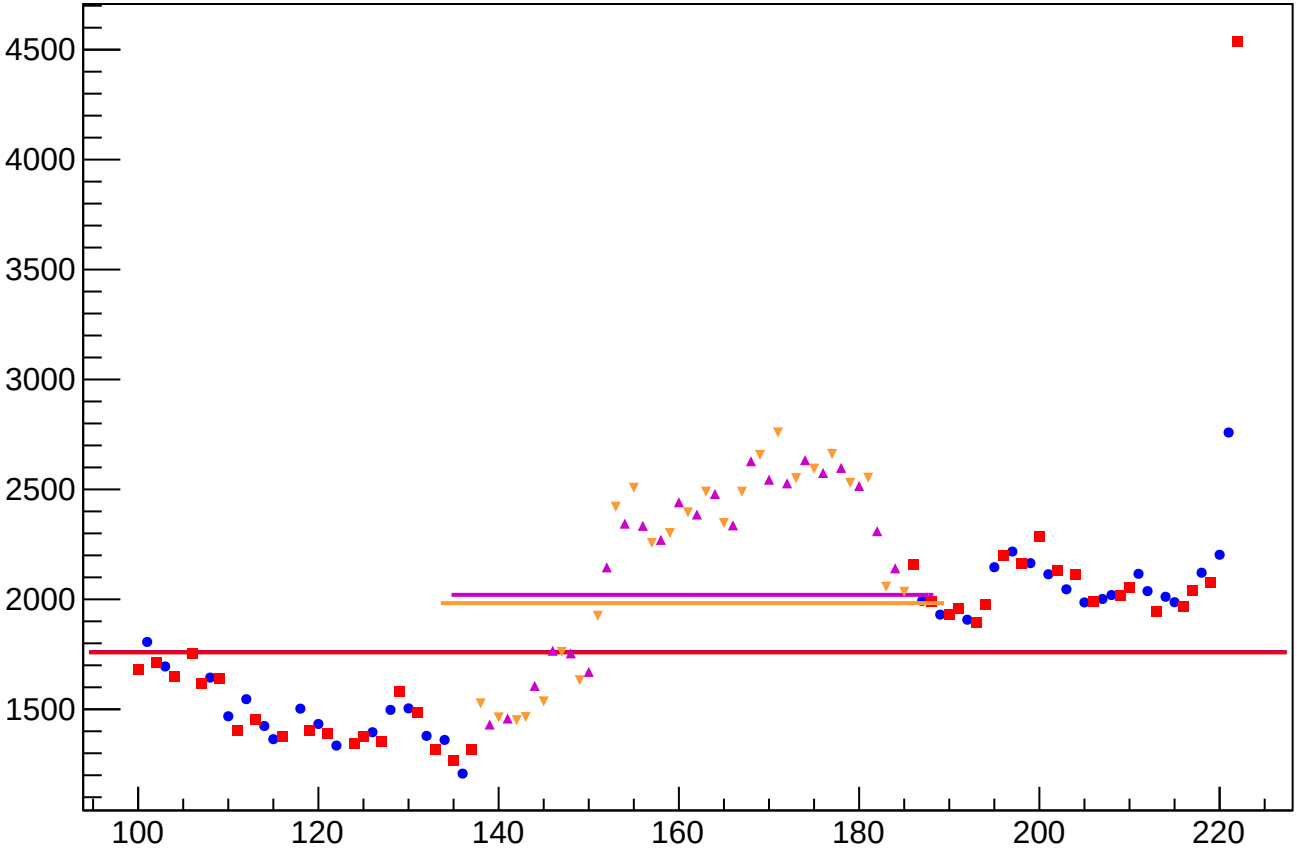
Right: -2.104+/-0.270 χ^2/NDF: 56808.2/71

In: 16.350+/-0.301 χ^2/NDF:13384.6/56

Out: -16.887+/-0.294 χ^2/NDF:40360.8/62

All: -0.625+/-0.210 χ^2/NDF: 59986.6/119

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: 1759.036+/-0.269 χ^2/NDF: 2026456.0/37

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

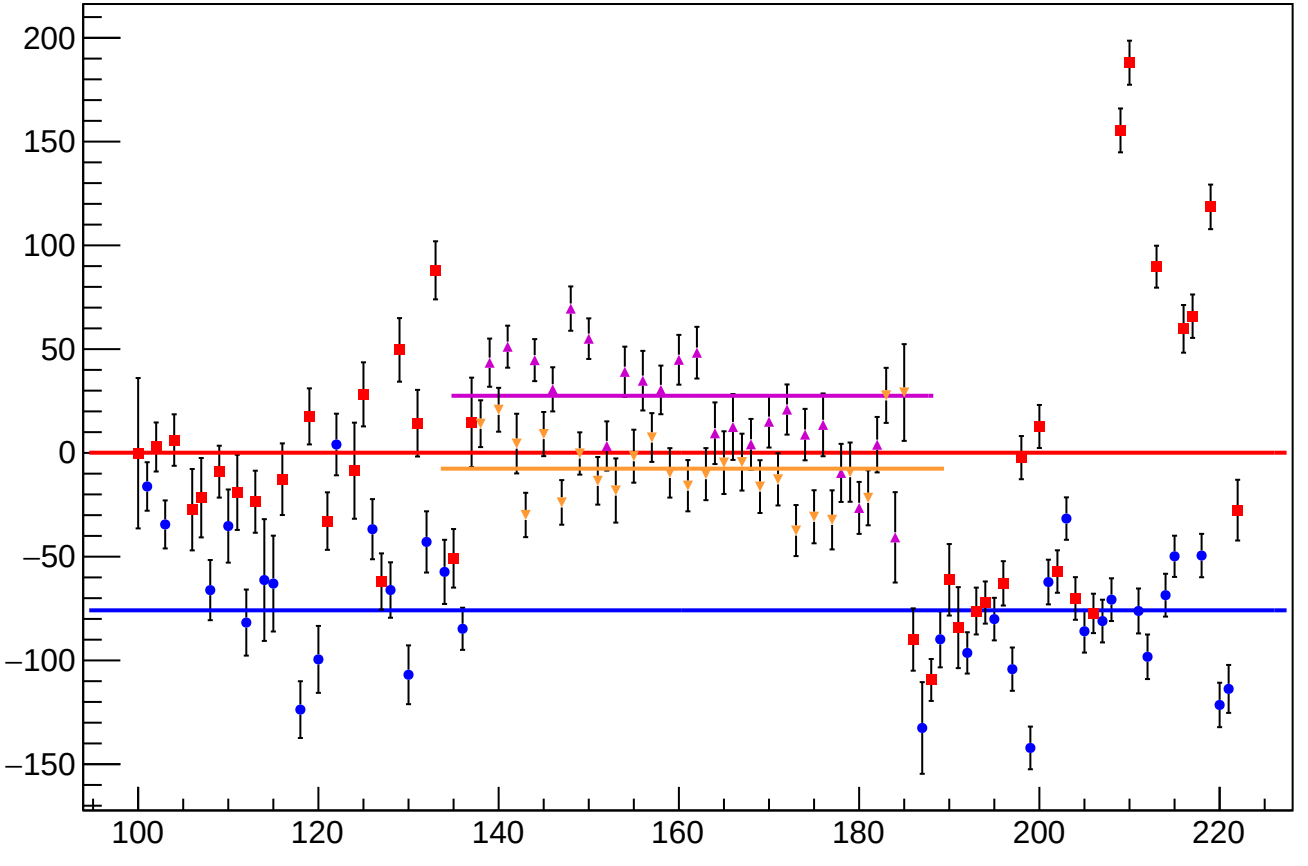
Right: 1759.564+/-0.191 χ^2/NDF: 3739082.9/71

In: 1860.656+/-0.213 χ^2/NDF:3682842.8/56

Out: 1849.297+/-0.208 χ^2/NDF:4282568.4/62

All: 1854.855+/-0.149 χ^2/NDF: 7966869.0/11

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: 0.093+/-2.074 χ^2/NDF: 1365.9/37

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

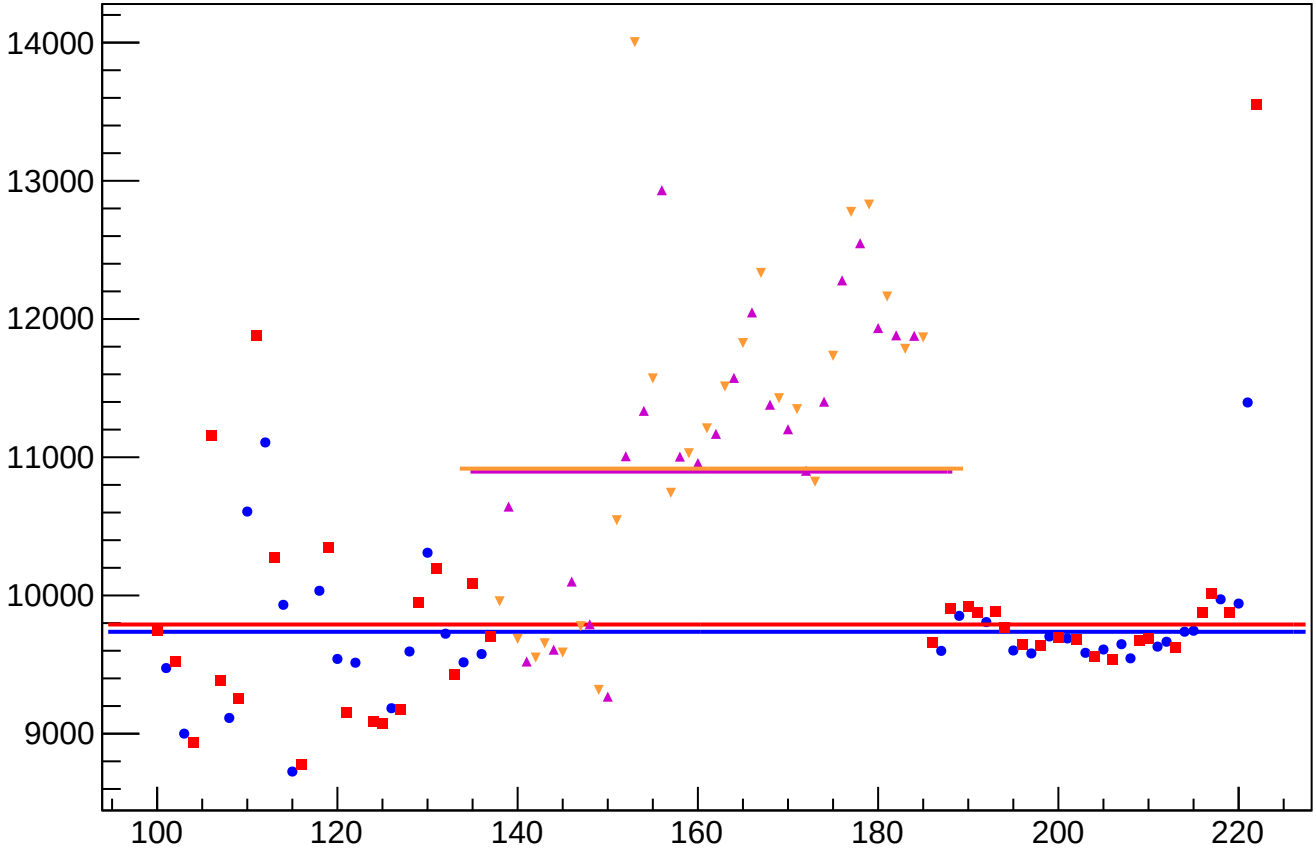
Right: -37.815+/-1.468 χ^2/NDF: 2273.9/71

In: -34.743+/-1.612 χ^2/NDF:1316.4/56

Out: -3.047+/-1.595 χ^2/NDF:1419.5/62

All: -18.723+/-1.134 χ^2/NDF: 2931.2/119

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9737.149+/-1.469 χ^2/NDF: 91488.5/33

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9789.984+/-1.466 χ^2/NDF: 221039.1/37

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

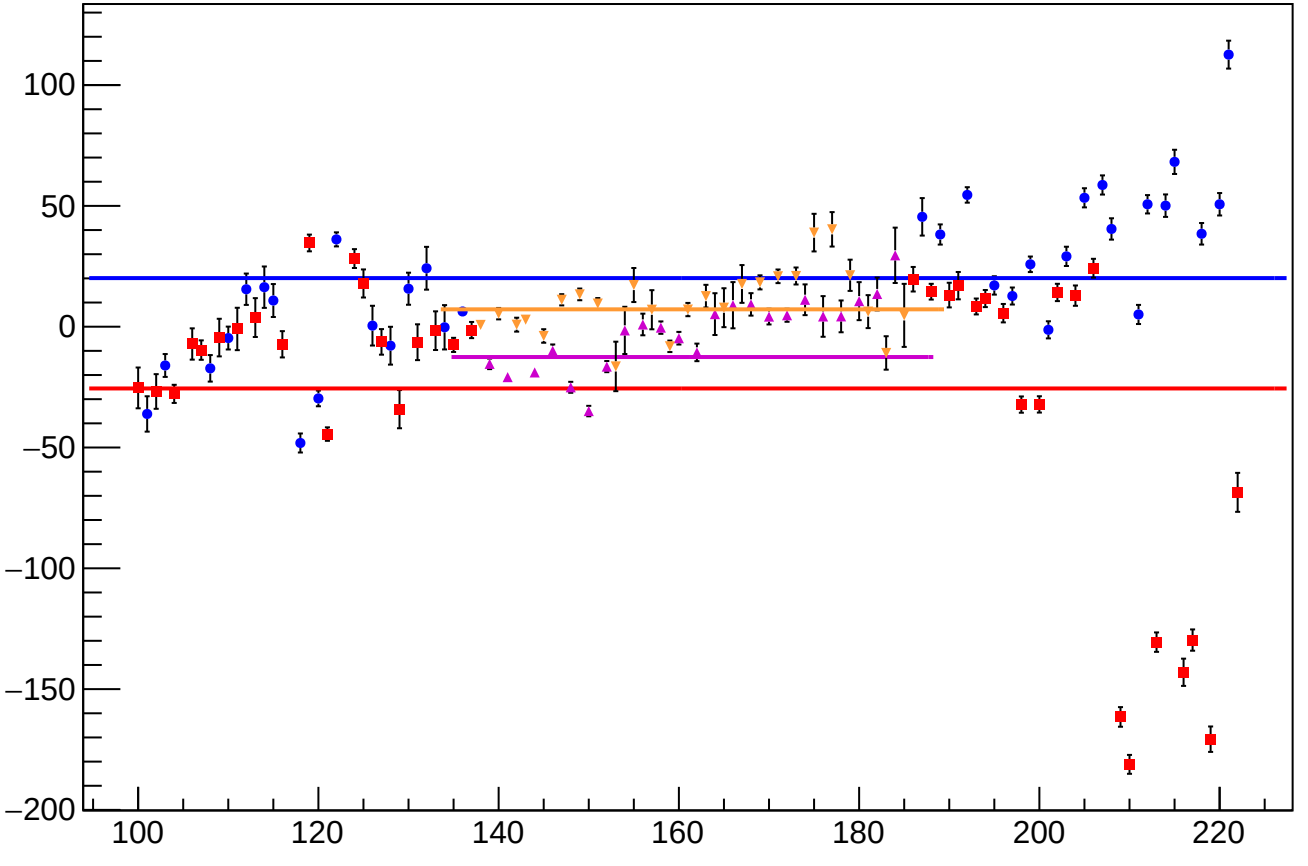
Right: 9763.614+/-1.038 χ^2/NDF: 313175.7/71

In: 10198.013+/-1.140 χ^2/NDF:637069.5/56

Out: 10250.699+/-1.128 χ^2/NDF:888544.1/62

All: 10224.643+/-0.802 χ^2/NDF: 1526693.2/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 20.114+/-0.707 χ^2/NDF: 1761.4/33

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -25.563+/-0.705 χ^2/NDF: 6951.7/37

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

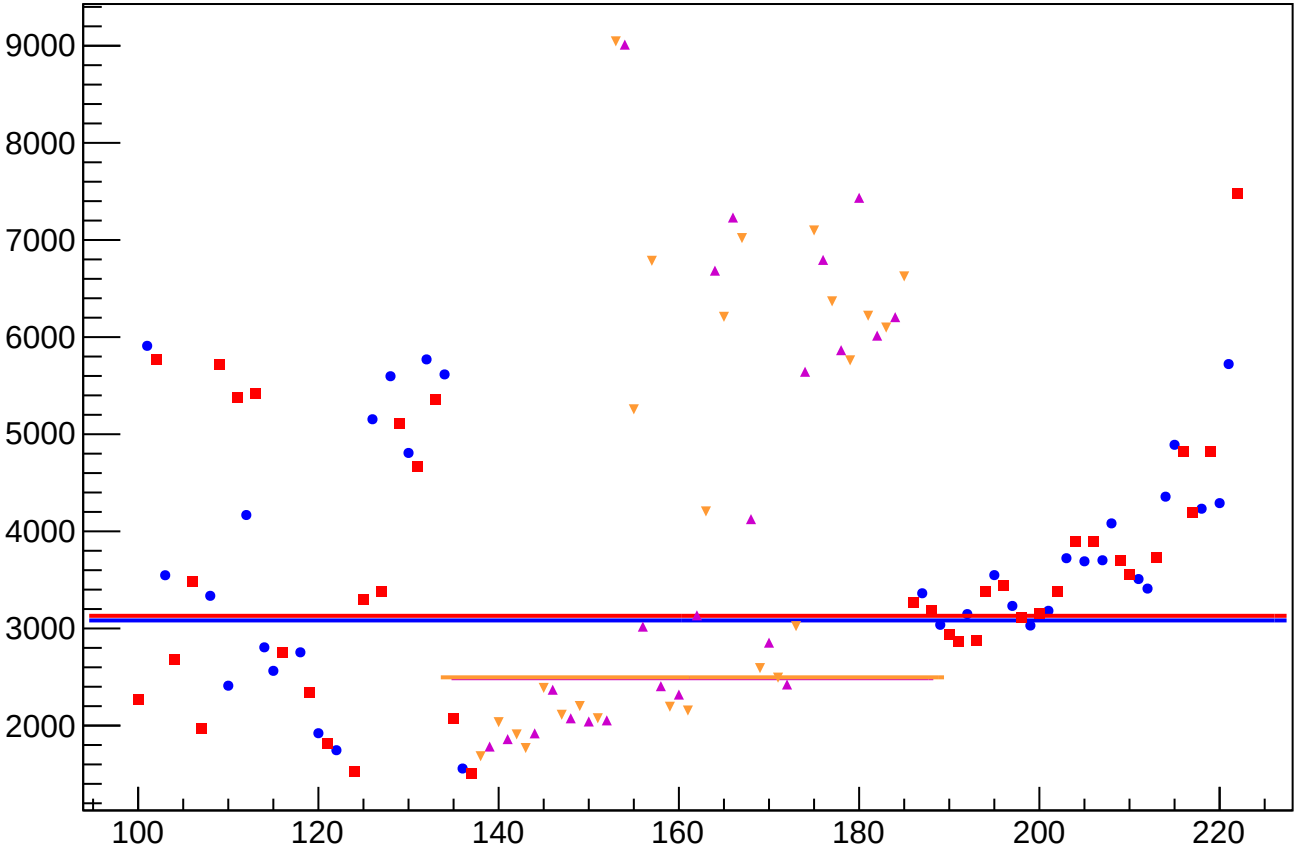
Right: -2.780+/-0.499 χ^2/NDF: 10804.4/71

In: 2.669+/-0.483 χ^2/NDF:3273.2/56

Out: -7.943+/-0.479 χ^2/NDF:8313.0/62

All: -2.673+/-0.340 χ^2/NDF: 11829.5/119

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: 3130.274+/-0.499 χ^2/NDF: 4394518.4/37

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

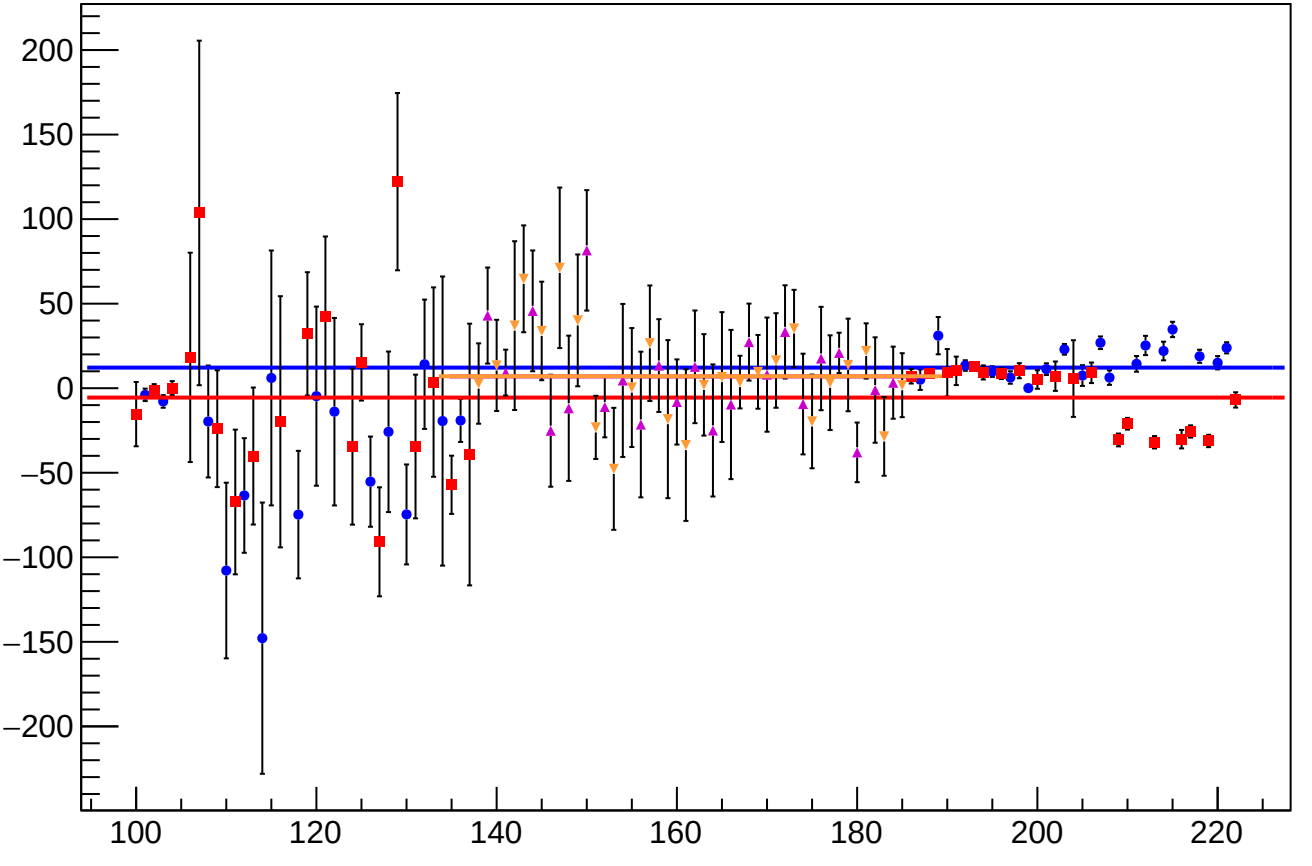
Right: 3106.526+/-0.353 χ^2/NDF: 9422615.6/71

In: 2764.944+/-0.341 χ^2/NDF:11883068.3/56

Out: 2789.425+/-0.339 χ^2/NDF:12468129.7/62

All: 2777.267+/-0.241 χ^2/NDF: 24353787.6/1

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: -5.541+/-0.912 χ^2/NDF: 387.1/37

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

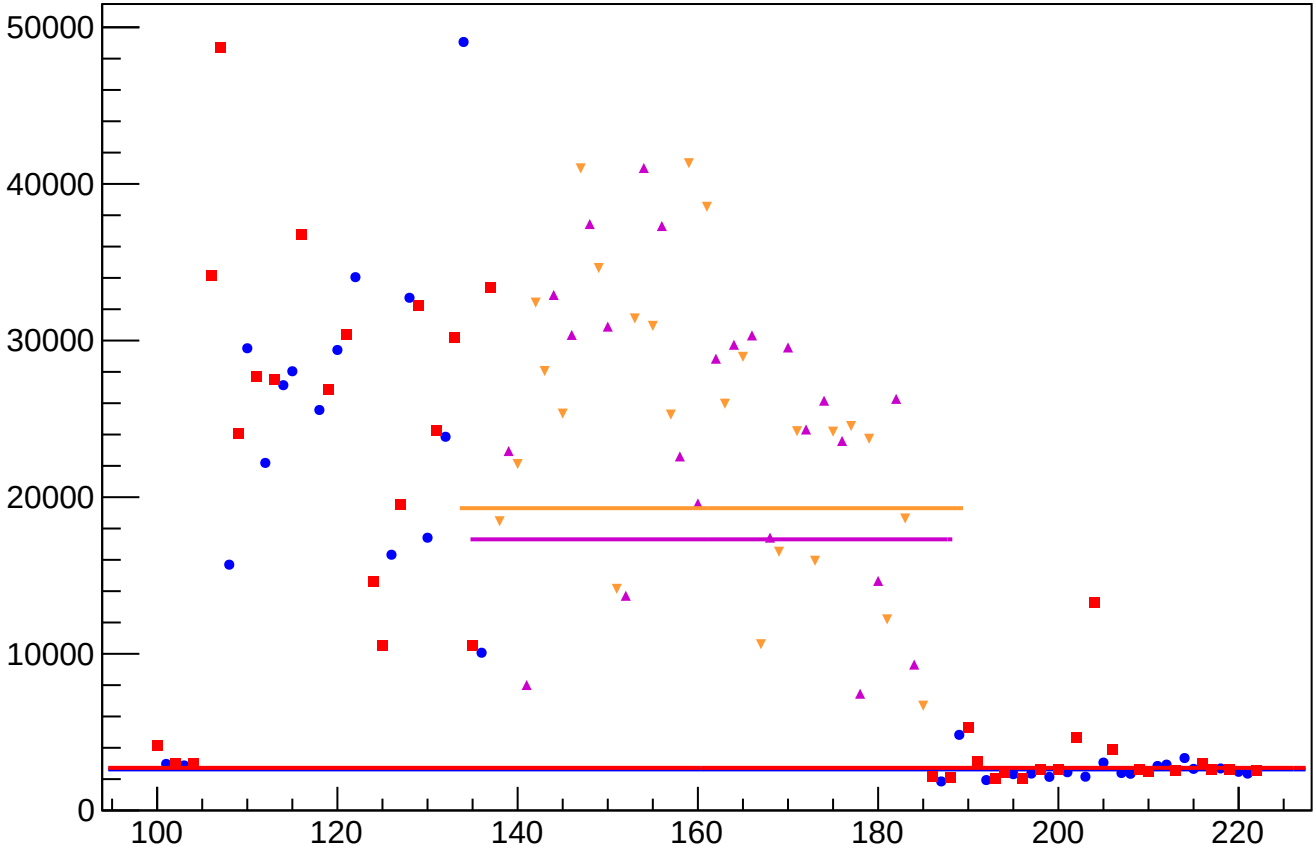
Right: 3.680+/-0.631 χ^2/NDF: 778.3/71

In: 12.026+/-0.862 χ^2/NDF:216.8/56

Out: -5.169+/-0.898 χ^2/NDF:412.3/62

All: 3.777+/-0.622 χ^2/NDF: 819.7/119

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: 2719.701+/-0.645 χ^2/NDF: 9436707.2/37

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

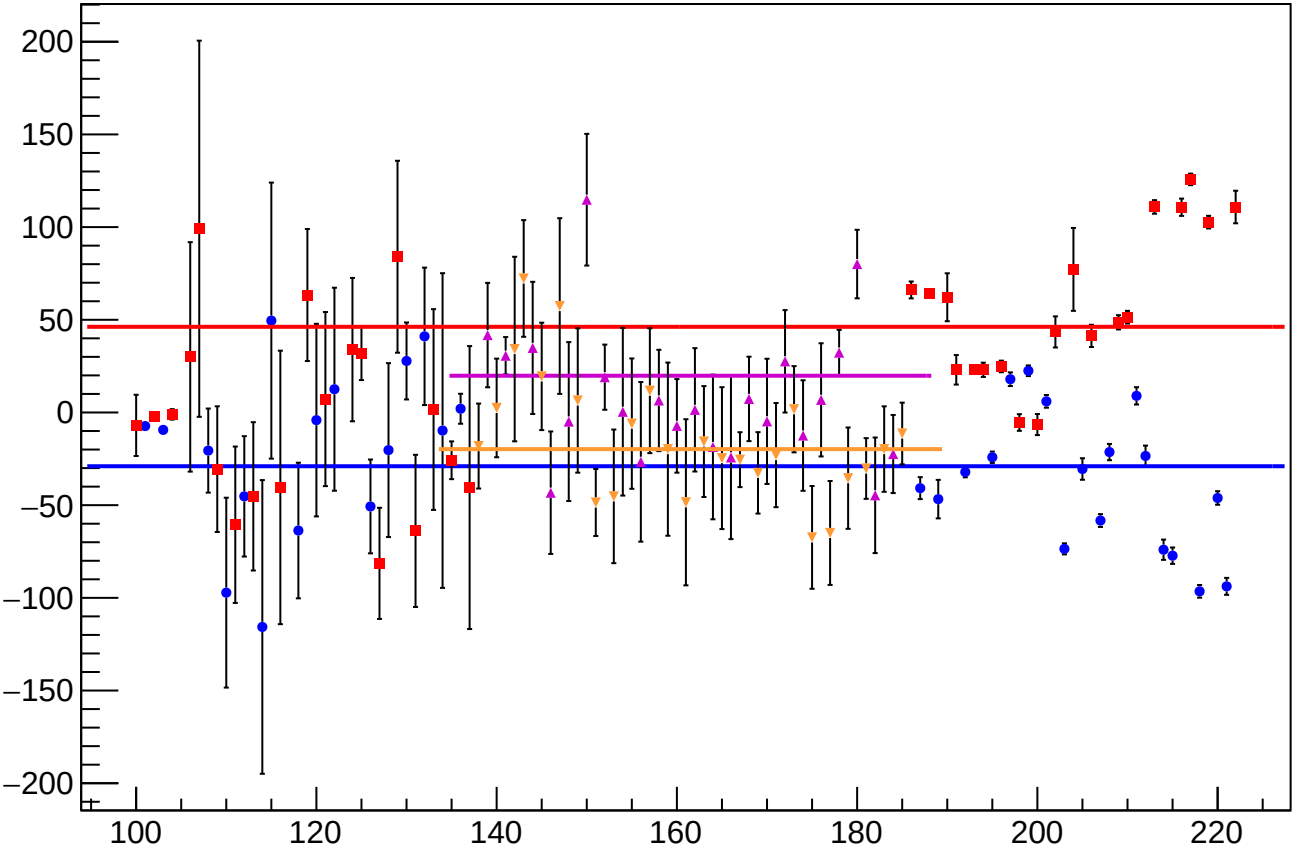
Right: 2667.821+/-0.446 χ^2/NDF: 17456085.2/71

In: 3041.701+/-0.610 χ^2/NDF:30902115.2/56

Out: 3209.177+/-0.635 χ^2/NDF:33998181.7/62

All: 3122.044+/-0.440 χ^2/NDF: 64936473.3/1

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: 46.213+/-0.835 χ^2/NDF: 2686.2/37

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

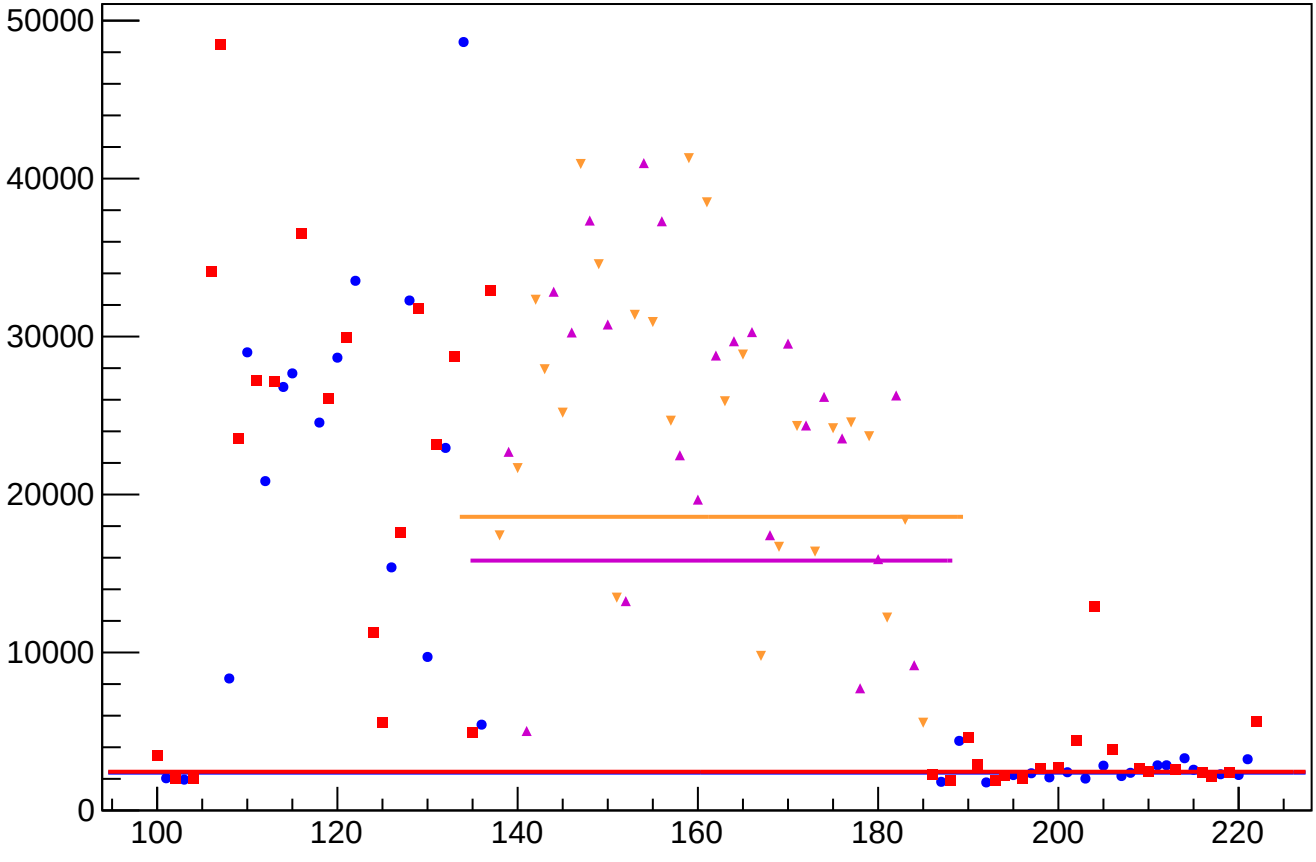
Right: 7.388+/-0.581 χ^2/NDF: 8805.4/71

In: -27.677+/-0.797 χ^2/NDF:2067.7/56

Out: 44.502+/-0.824 χ^2/NDF:2876.0/62

All: 7.221+/-0.573 χ^2/NDF: 8908.1/119

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: 2450.708+/-0.590 χ^2/NDF: 9299558.5/37

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

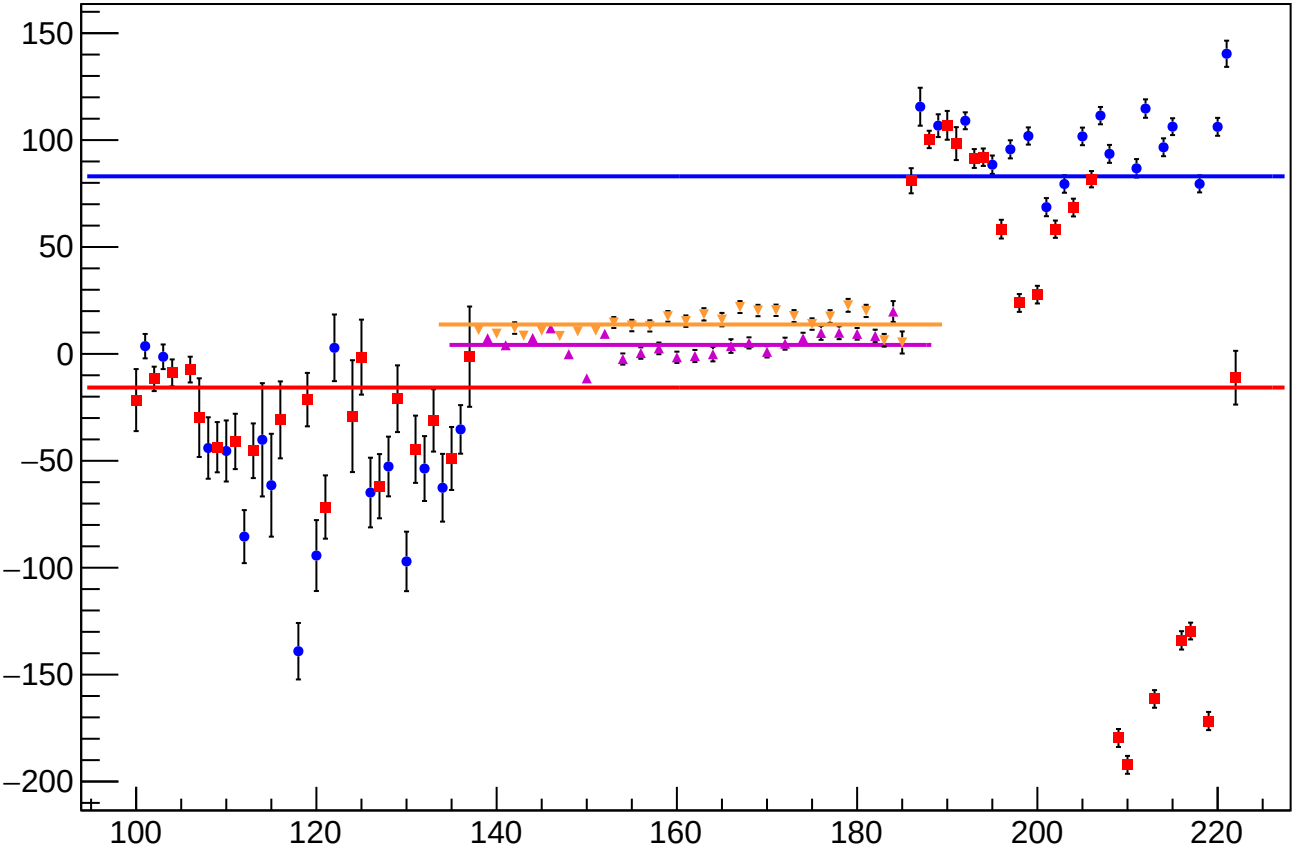
Right: 2421.833+/-0.411 χ^2/NDF: 16553580.6/71

In: 2758.010+/-0.564 χ^2/NDF:30588146.1/56

Out: 2869.119+/-0.583 χ^2/NDF:34378591.7/62

All: 2811.731+/-0.405 χ^2/NDF: 64985525.9/

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: -15.727+/-0.953 χ^2/NDF: 12346.6/37

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

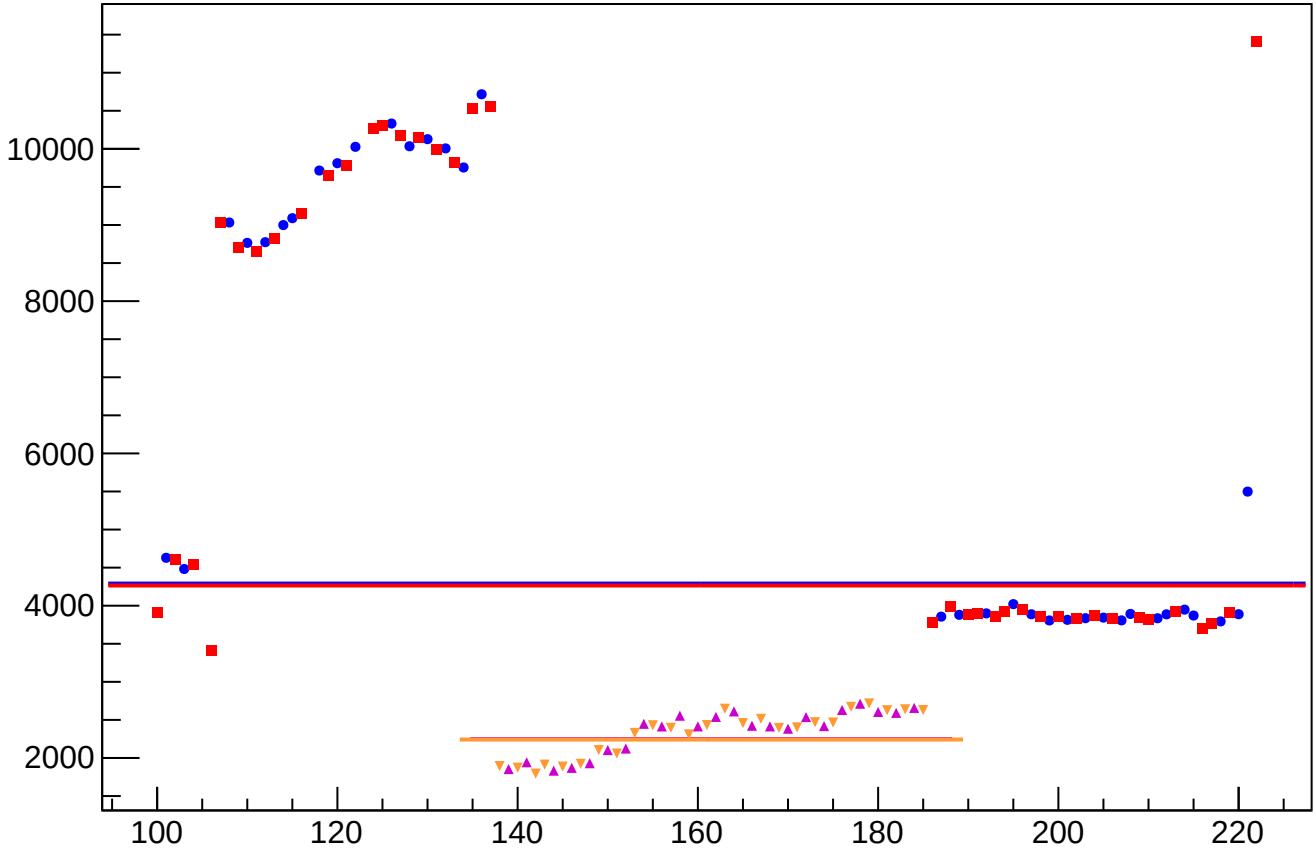
Right: 33.060+/-0.678 χ^2/NDF: 19922.5/71

In: 22.493+/-0.465 χ^2/NDF:7524.4/56

Out: 7.114+/-0.452 χ^2/NDF:13165.8/62

All: 14.599+/-0.324 χ^2/NDF: 21252.8/119

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: 4265.525+/-0.674 χ^2/NDF: 4711059.9/37

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

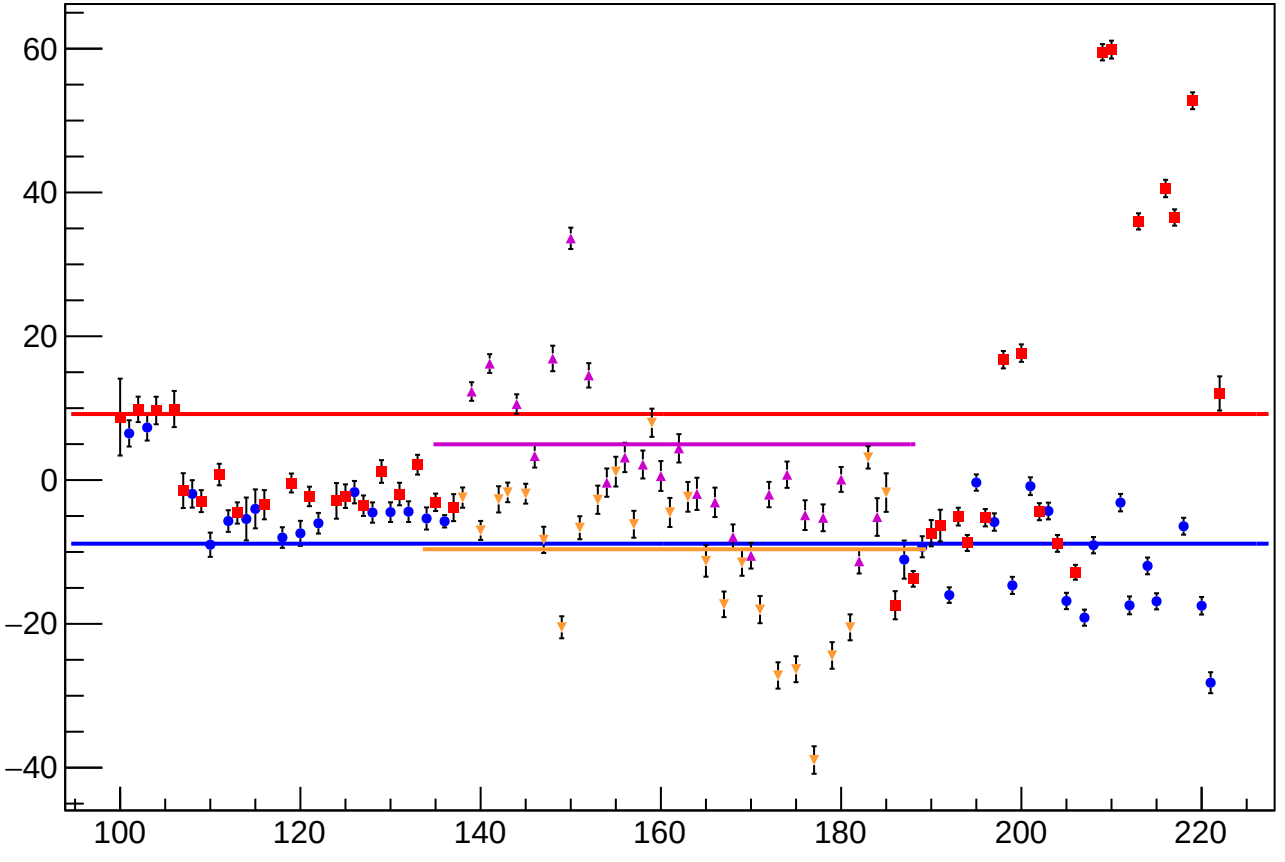
Right: 4277.853+/-0.479 χ^2/NDF: 8910393.8/71

In: 2722.229+/-0.328 χ^2/NDF:11725222.9/56

Out: 2698.397+/-0.320 χ^2/NDF:12353777.1/62

All: 2709.997+/-0.229 χ^2/NDF: 24081701.9/

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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: 9.184+/-0.229 χ^2/NDF: 9791.0/37

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

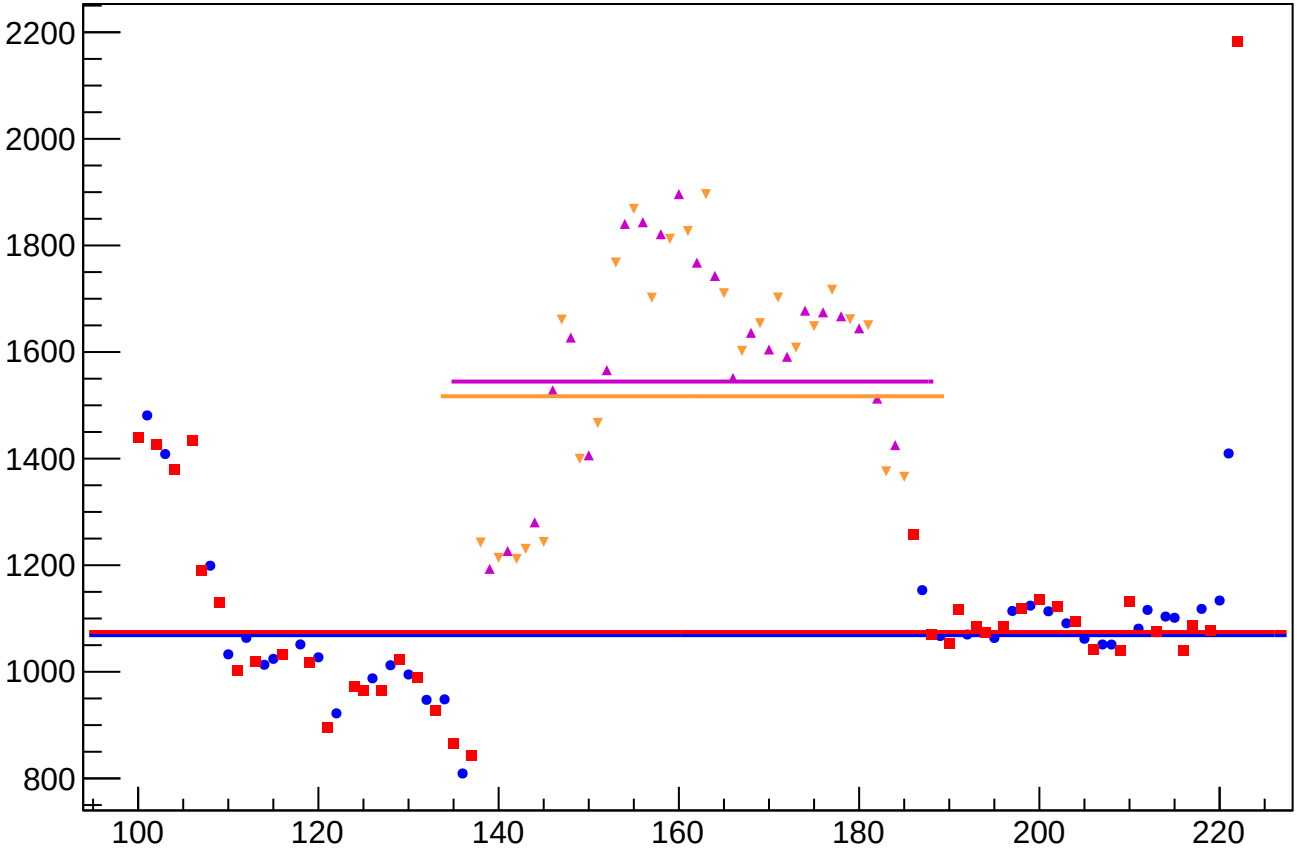
Right: 0.171+/-0.162 χ^2/NDF: 13806.8/71

In: -4.929+/-0.194 χ^2/NDF:2883.7/56

Out: 3.517+/-0.192 χ^2/NDF:12752.6/62

All: -0.651+/-0.136 χ^2/NDF: 16594.9/119

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: 1074.657+/-0.162 χ^2/NDF: 853655.4/37

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

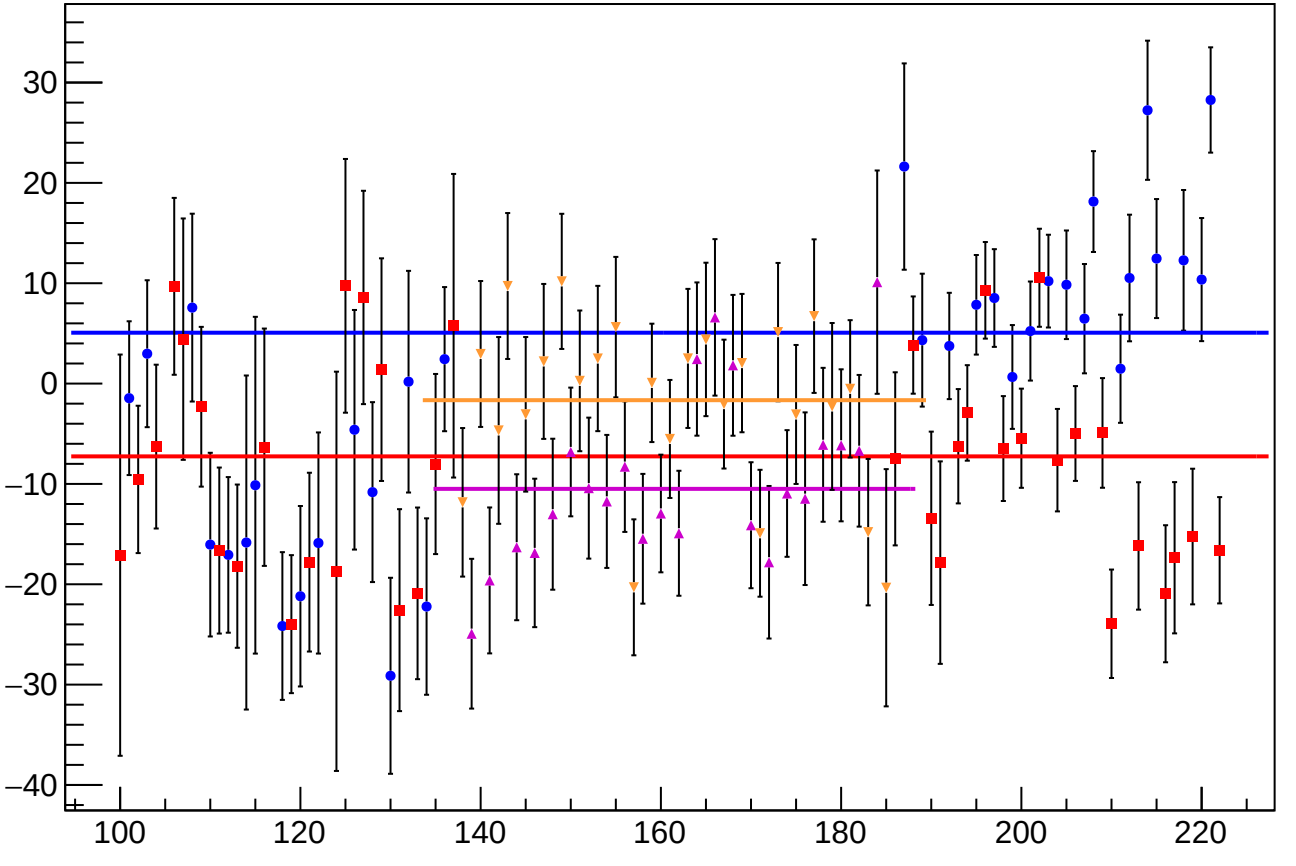
Right: 1071.726+/-0.115 χ^2/NDF: 1422831.3/71

In: 1203.704+/-0.137 χ^2/NDF:3647569.2/56

Out: 1207.956+/-0.136 χ^2/NDF:3930116.7/62

All: 1205.857+/-0.096 χ^2/NDF: 7578171.6/11

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 5.069+/-1.141 χ^2/NDF: 118.1/33

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.255+/-1.120 χ^2/NDF: 81.6/37

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

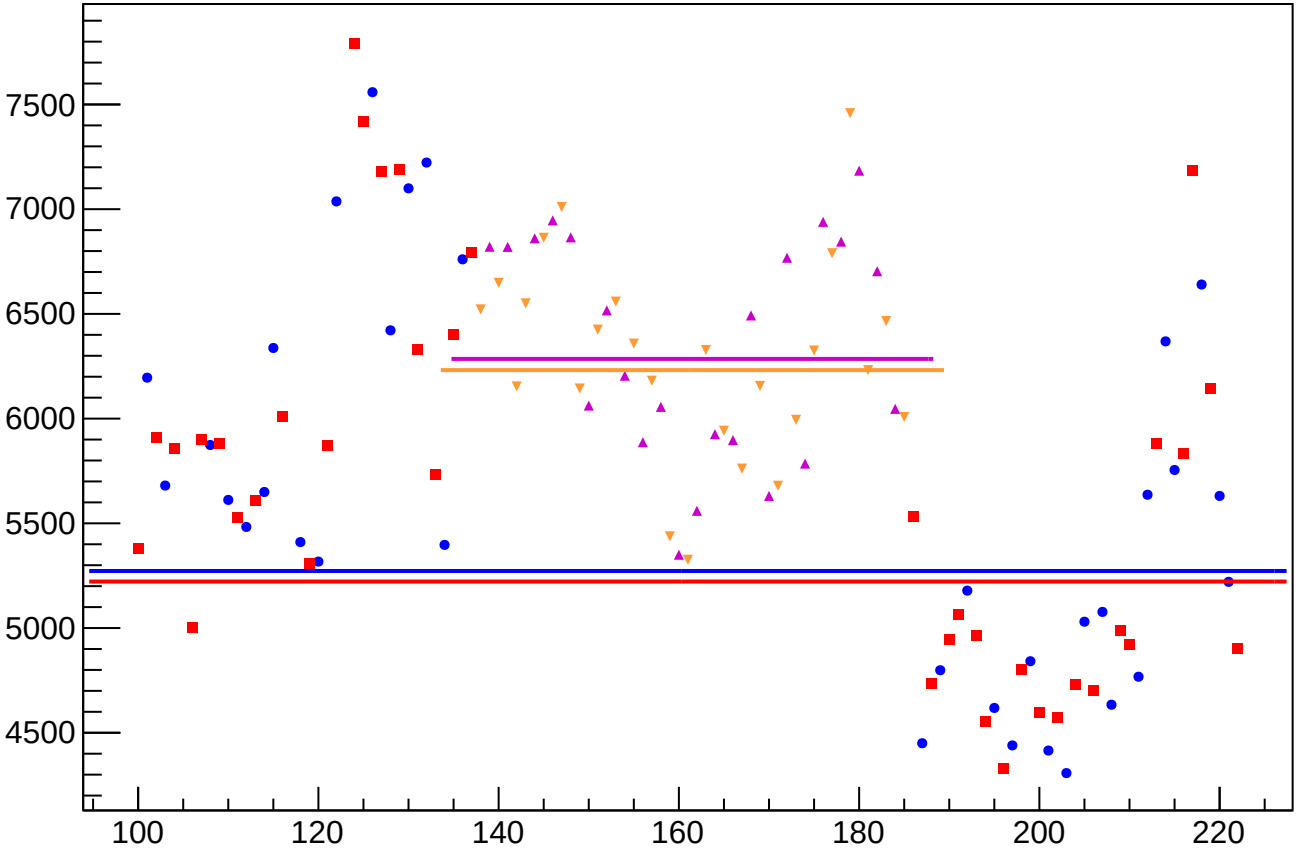
Right: -1.210+/-0.799 χ^2/NDF: 259.1/71

In: -0.735+/-0.904 χ^2/NDF:212.3/56

Out: -5.120+/-0.881 χ^2/NDF:122.6/62

All: -2.984+/-0.631 χ^2/NDF: 347.0/119

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: 5222.052+/-0.792 χ^2/NDF: 878866.3/37

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

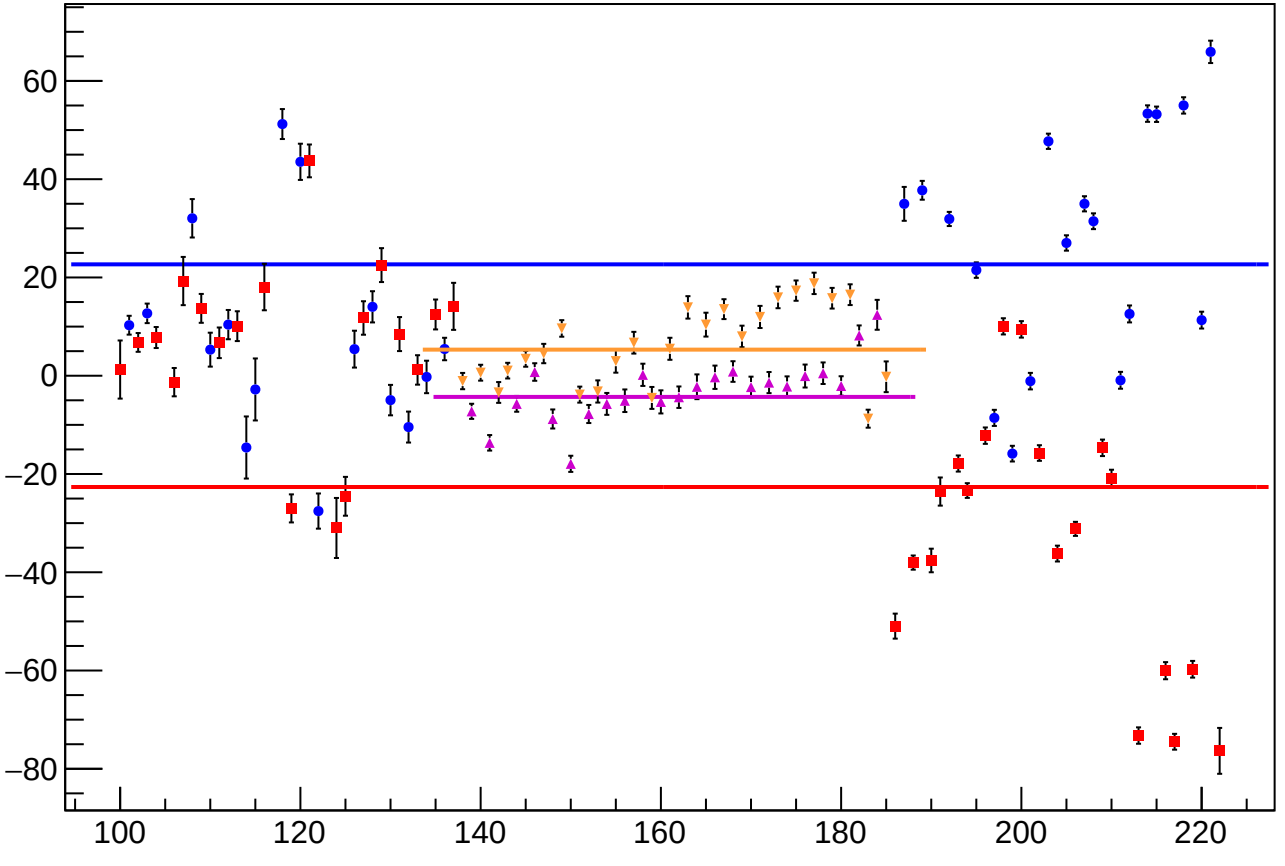
Right: 5246.784+/-0.565 χ^2/NDF: 1802404.4/71

In: 5650.148+/-0.639 χ^2/NDF:1774153.7/56

Out: 5607.029+/-0.623 χ^2/NDF:1725679.8/62

All: 5628.035+/-0.446 χ^2/NDF: 3502168.5/11

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: -22.648+/-0.350 χ^2/NDF: 6282.6/37

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

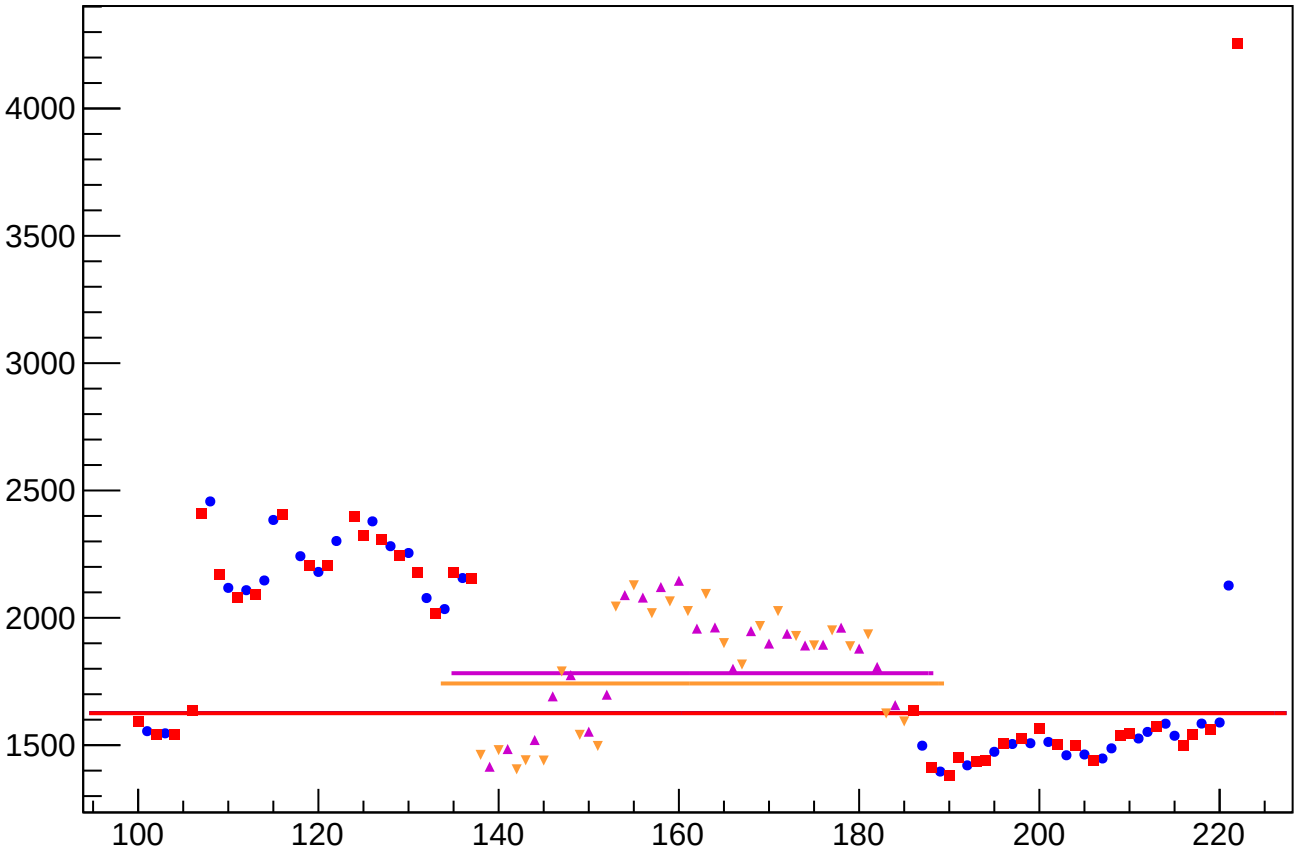
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: -0.088+/-0.248 χ^2/NDF: 18757.0/71

In: 11.543+/-0.270 χ^2/NDF:6791.8/56

Out: -10.520+/-0.264 χ^2/NDF:9422.7/62

All: 0.259+/-0.189 χ^2/NDF: 19635.1/119



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: 1625.536+/-0.248 χ^2/NDF: 1699537.1/37

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

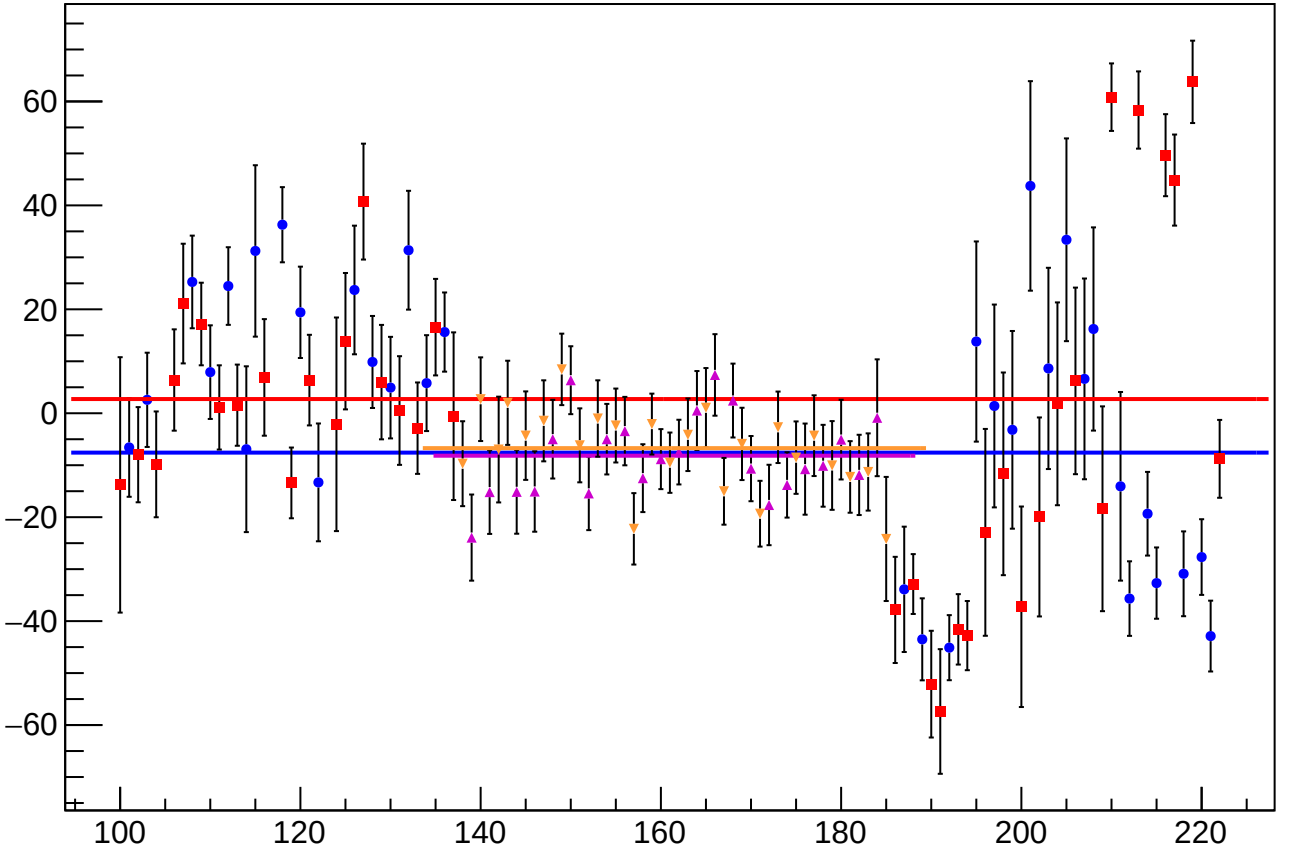
Right: 1625.856+/-0.176 χ^2/NDF: 2881375.0/71

In: 1690.647+/-0.191 χ^2/NDF:1878946.5/56

Out: 1676.148+/-0.186 χ^2/NDF:2563394.6/62

All: 1683.232+/-0.133 χ^2/NDF: 4445295.3/11

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: 2.734+/-1.548 χ^2/NDF: 492.9/37

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

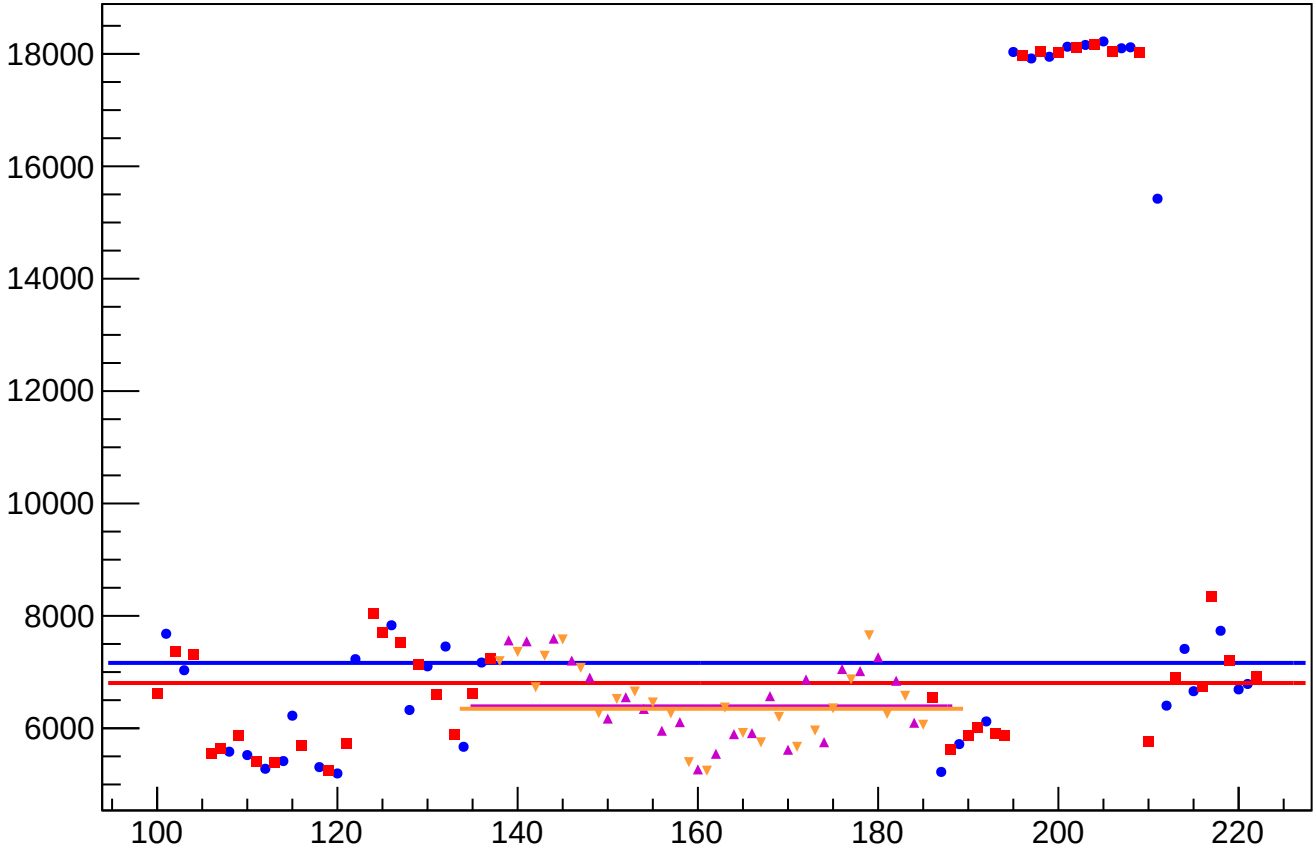
Right: -2.069+/-1.131 χ^2/NDF: 786.8/71

In: -7.901+/-1.116 χ^2/NDF:297.5/56

Out: -2.272+/-1.061 χ^2/NDF:538.3/62

All: -4.945+/-0.769 χ^2/NDF: 849.2/119

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: 6805.385+/-1.094 χ^2/NDF: 5506736.2/37

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

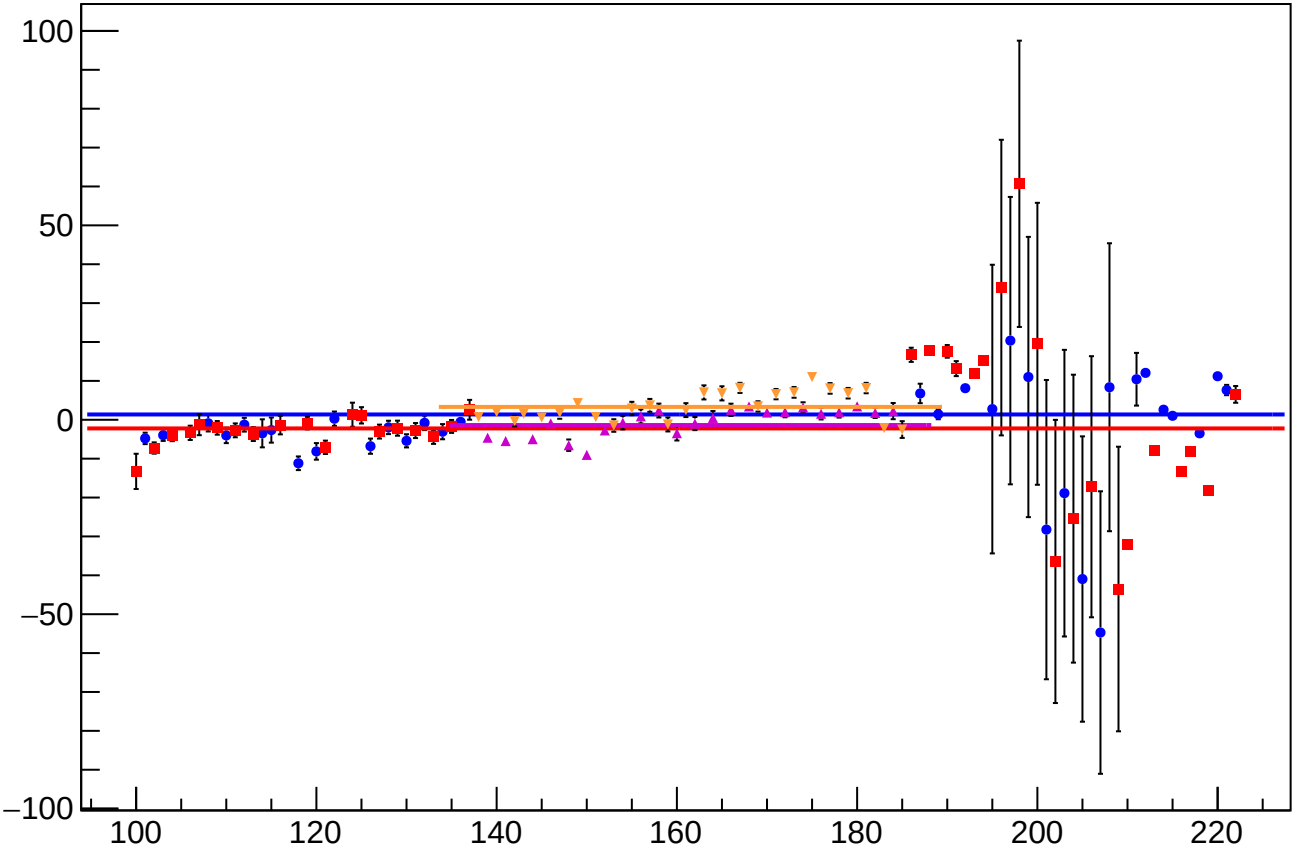
Right: 6972.079+/-0.800 χ^2/NDF: 11842921.8/71

In: 6740.380+/-0.789 χ^2/NDF:6944361.7/56

Out: 6562.622+/-0.750 χ^2/NDF:5985601.5/62

All: 6647.015+/-0.544 χ^2/NDF: 12956605.2/1

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: -2.225+/-0.275 χ^2/NDF: 2132.7/37

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

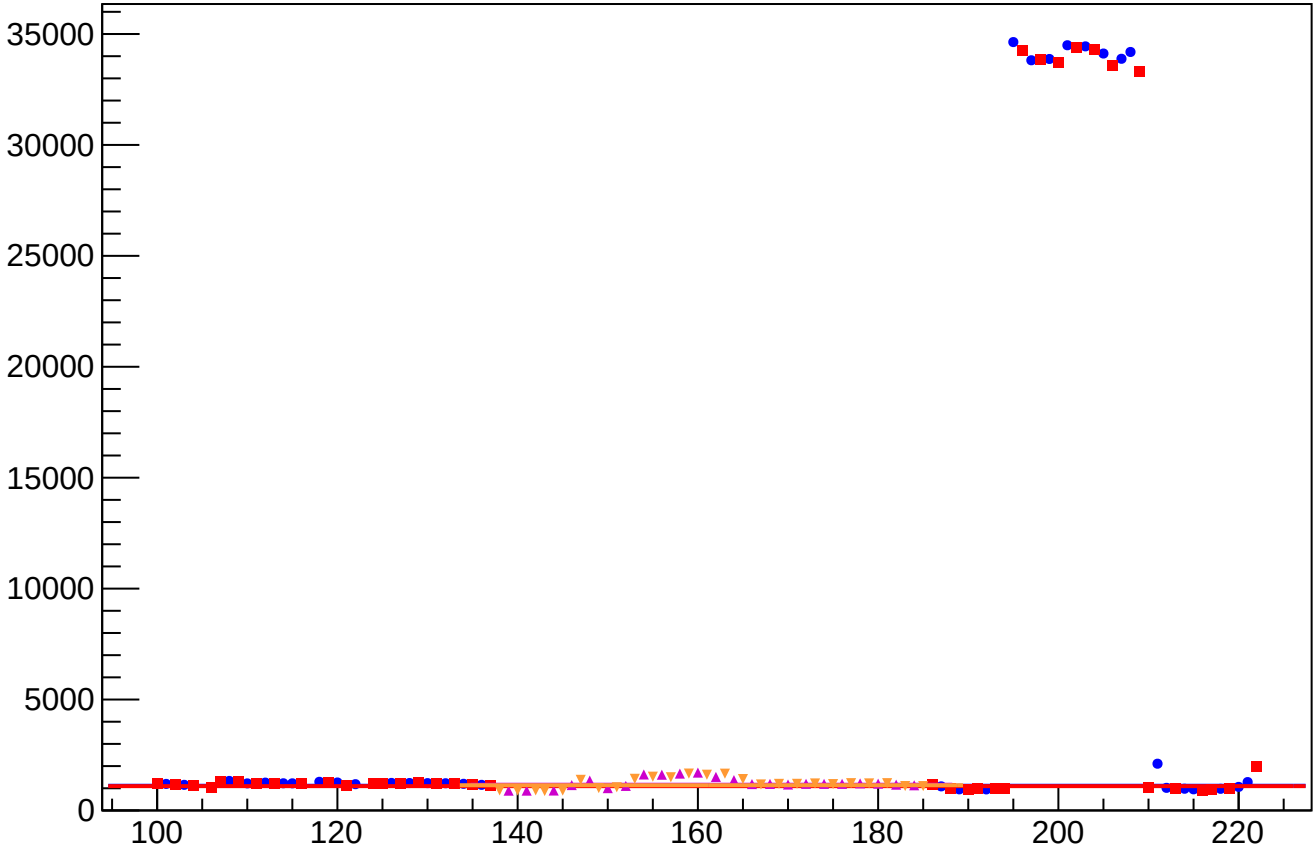
Right: -0.533+/-0.200 χ^2/NDF: 2644.7/71

In: -0.064+/-0.201 χ^2/NDF:673.7/56

Out: 0.650+/-0.191 χ^2/NDF:2521.2/62

All: 0.311+/-0.138 χ^2/NDF: 3201.7/119

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: 1095.814+/-0.194 χ^2/NDF: 12172674.7/37

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

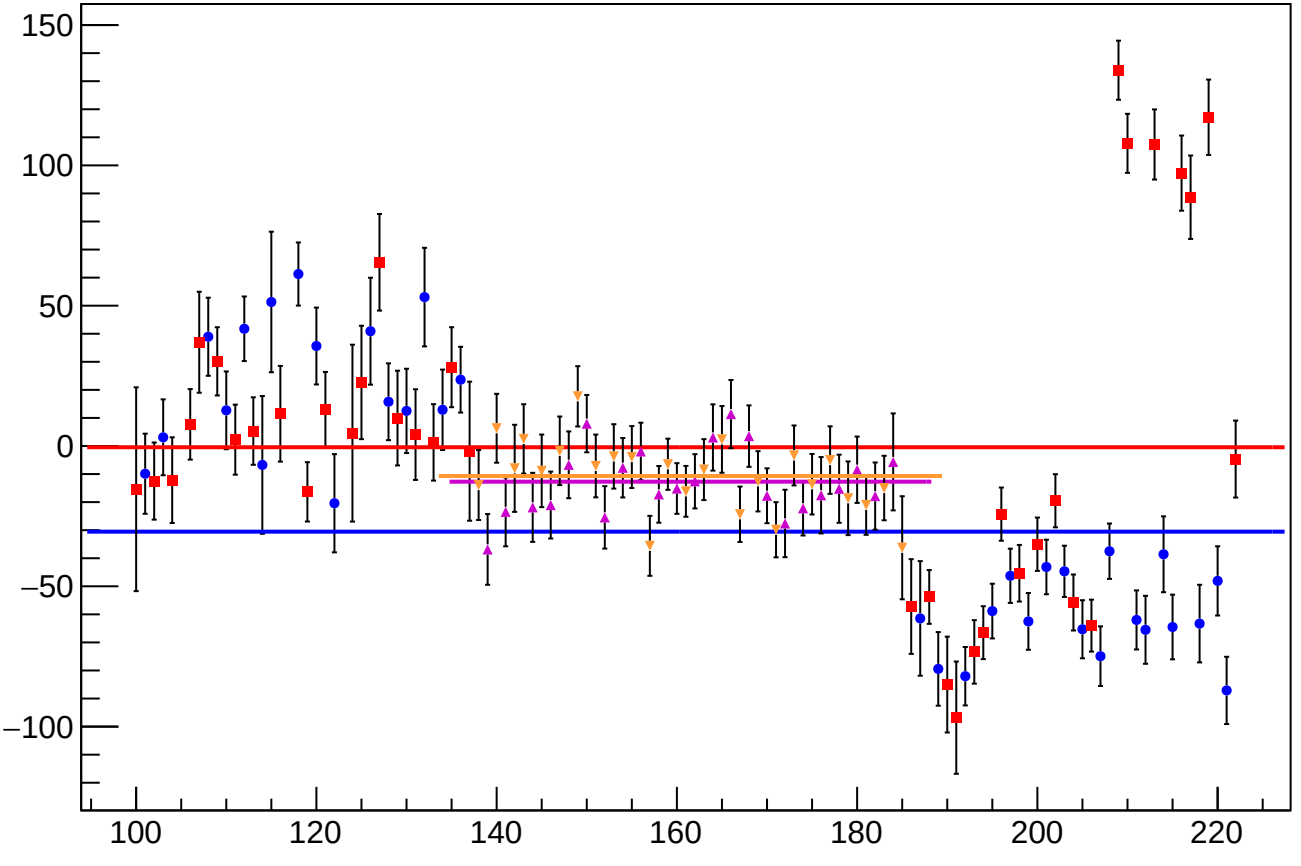
Right: 1104.126+/-0.141 χ^2/NDF: 25441330.9/71

In: 1137.622+/-0.142 χ^2/NDF:14550767.7/56

Out: 1117.282+/-0.135 χ^2/NDF:13665850.6/62

All: 1126.931+/-0.098 χ^2/NDF: 28227427.5/1

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: -0.448+/-2.069 χ^2/NDF: 848.6/37

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

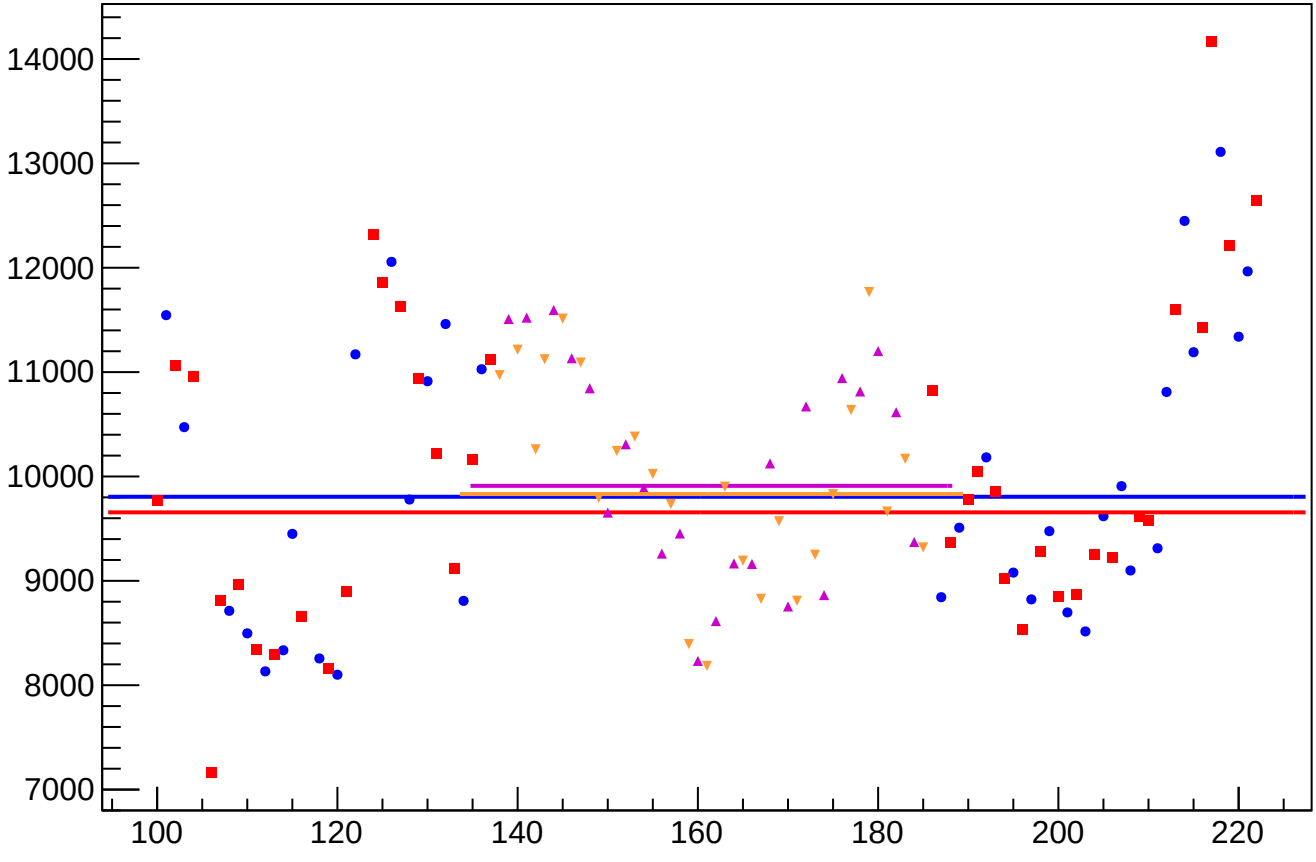
Right: -15.141+/-1.480 χ^2/NDF: 1374.4/71

In: -22.513+/-1.570 χ^2/NDF:478.4/56

Out: -5.127+/-1.525 χ^2/NDF:888.6/62

All: -13.568+/-1.094 χ^2/NDF: 1430.0/119

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9805.633+/-1.497 χ^2/NDF: 736232.2/33

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9656.277+/-1.463 χ^2/NDF: 841431.4/37

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

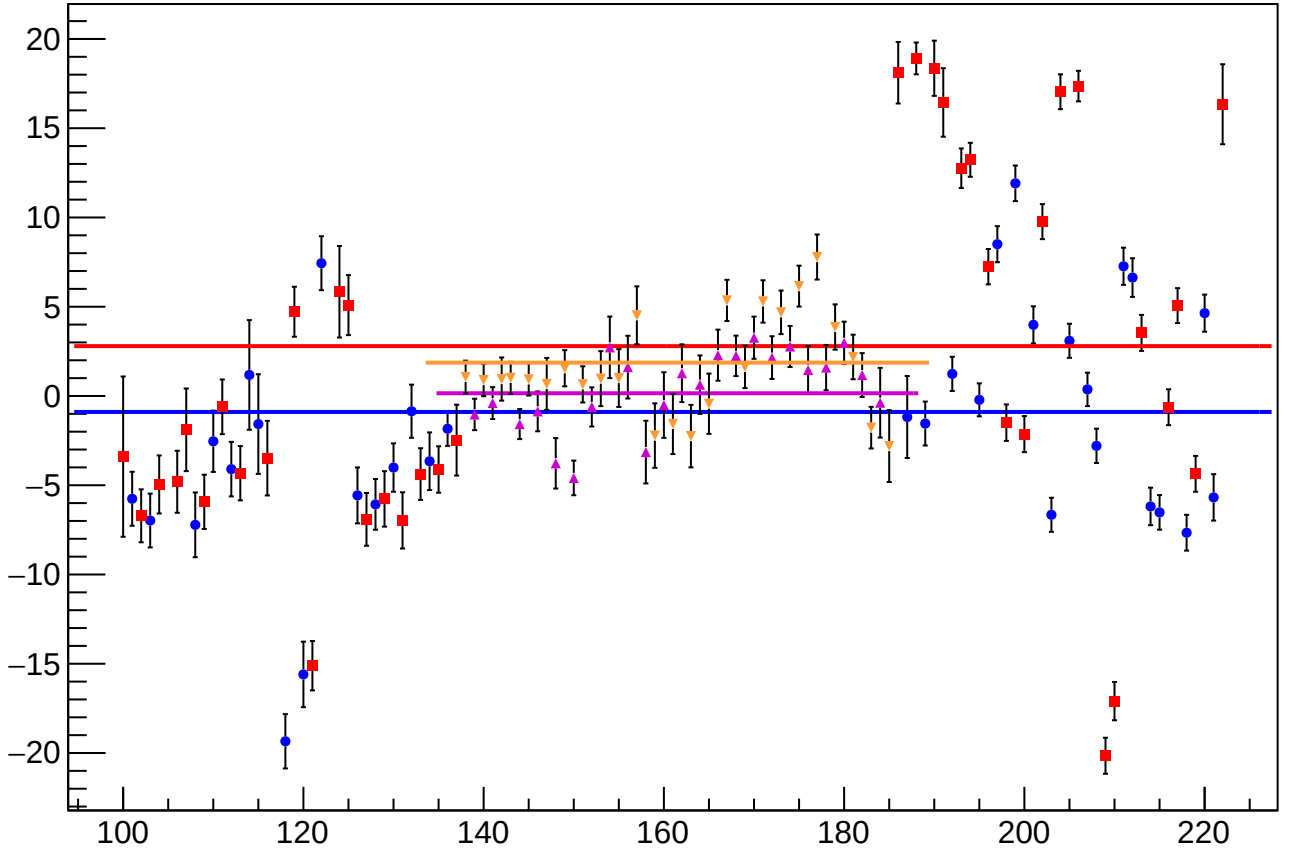
Right: 9729.238+/-1.046 χ^2/NDF: 1582754.4/71

In: 9852.729+/-1.110 χ^2/NDF:1127799.6/56

Out: 9736.192+/-1.079 χ^2/NDF:1204090.7/62

All: 9792.768+/-0.774 χ^2/NDF: 2337558.4/11

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: 2.792+/-0.205 χ^2/NDF: 2842.0/37

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

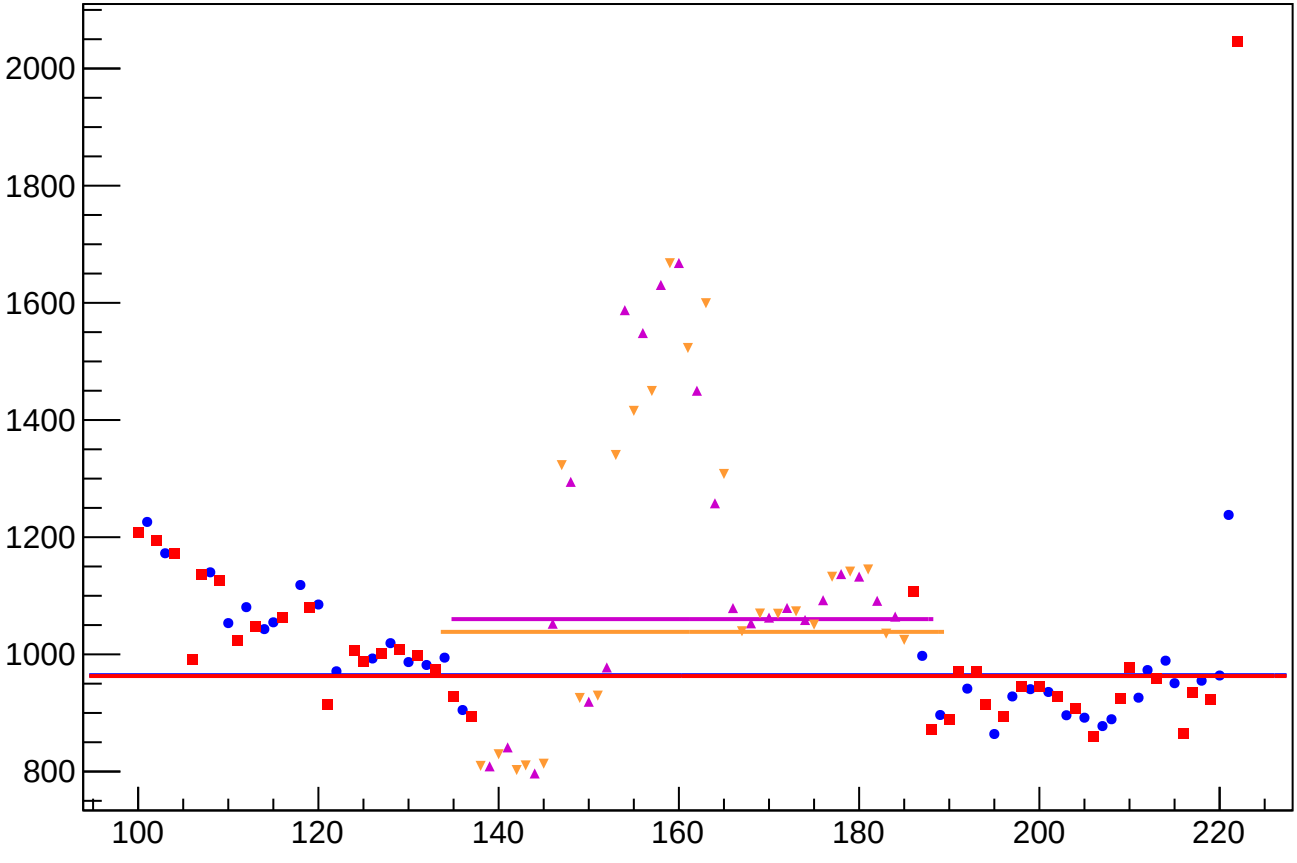
Right: 0.961+/-0.146 χ^2/NDF: 3915.2/71

In: -0.479+/-0.160 χ^2/NDF:998.8/56

Out: 2.407+/-0.157 χ^2/NDF:2953.7/62

All: 0.998+/-0.112 χ^2/NDF: 4118.1/119

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: 962.997+/-0.145 χ^2/NDF: 749987.1/37

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

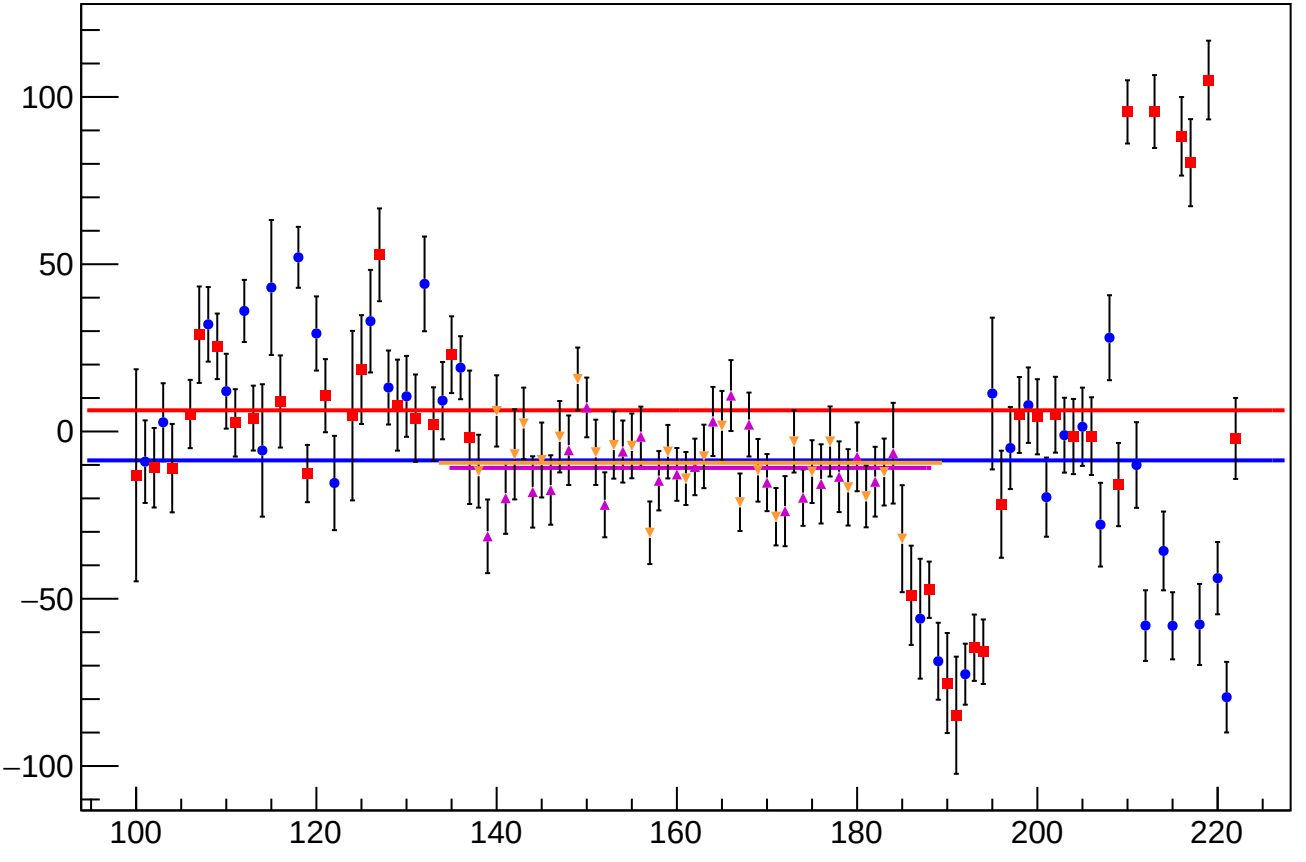
Right: 963.710+/-0.103 χ^2/NDF: 1110097.5/71

In: 1002.463+/-0.113 χ^2/NDF:2053864.1/56

Out: 994.448+/-0.111 χ^2/NDF:2569268.5/62

All: 998.362+/-0.079 χ^2/NDF: 4625687.4/119

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: 6.333+/-1.925 χ^2/NDF: 564.1/37

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

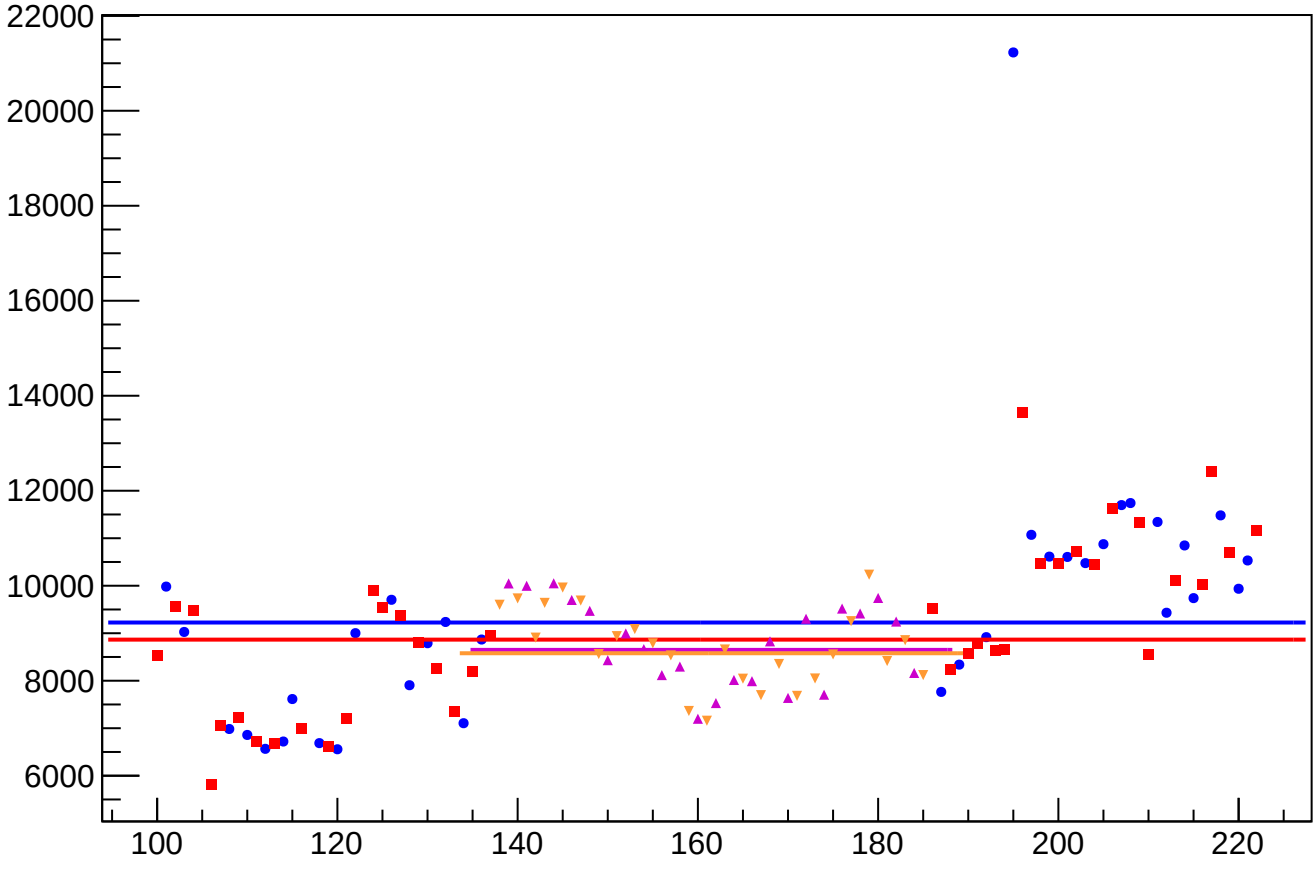
Right: -0.798+/-1.393 χ^2/NDF: 958.0/71

In: -9.752+/-1.436 χ^2/NDF:389.2/56

Out: -1.332+/-1.376 χ^2/NDF:625.1/62

All: -5.365+/-0.994 χ^2/NDF: 1032.3/119

diff_bpm0l08X_rms vs Slug, Sign Corrected



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: 8865.338+/-1.361 χ^2/NDF: 1627871.7/37

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

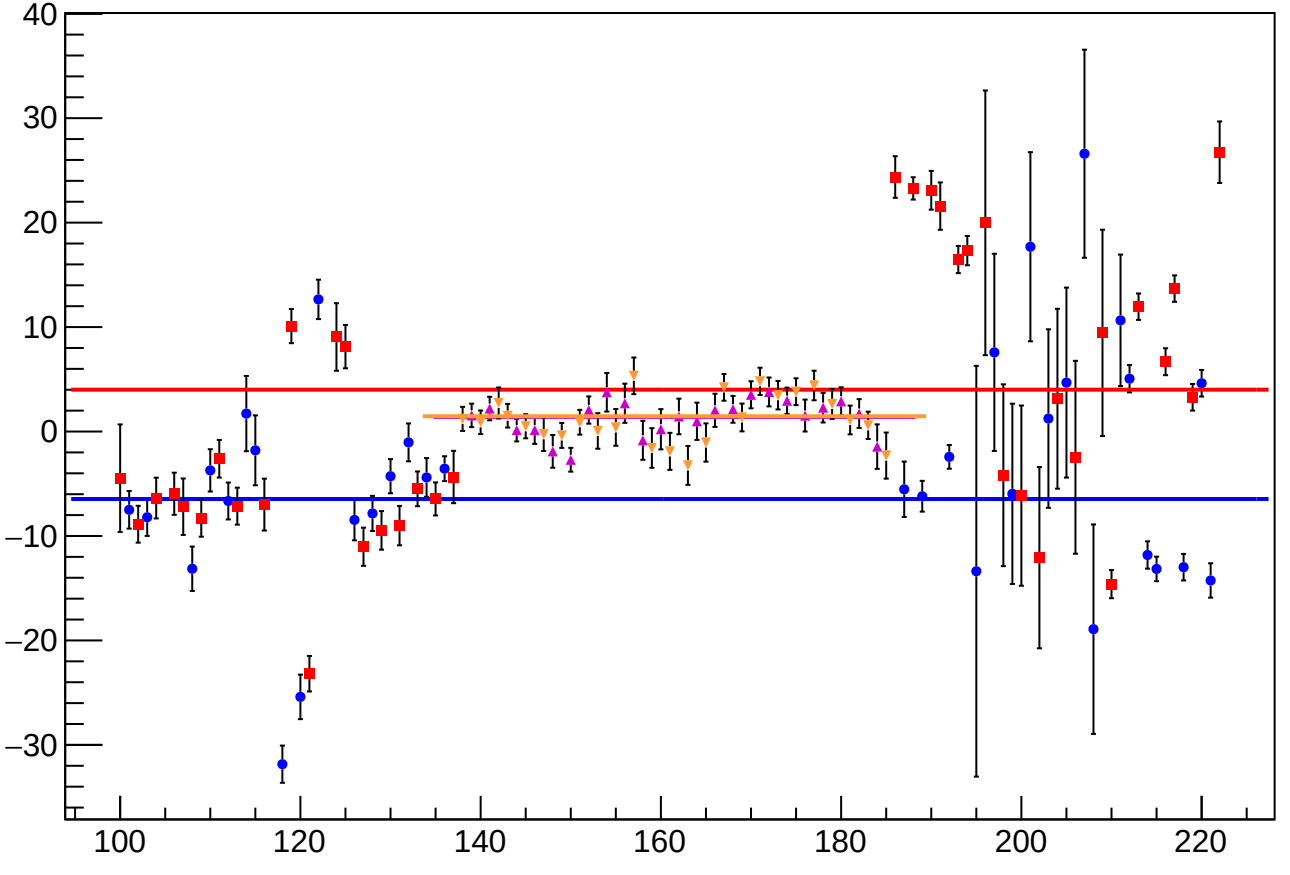
Right: 9036.858+/-0.985 χ^2/NDF: 3542041.2/71

In: 8940.802+/-1.015 χ^2/NDF:2339295.5/56

Out: 8725.150+/-0.973 χ^2/NDF:1993311.7/62

All: 8828.442+/-0.703 χ^2/NDF: 4356122.9/11

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: 4.007+/-0.303 χ^2/NDF: 1917.4/37

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

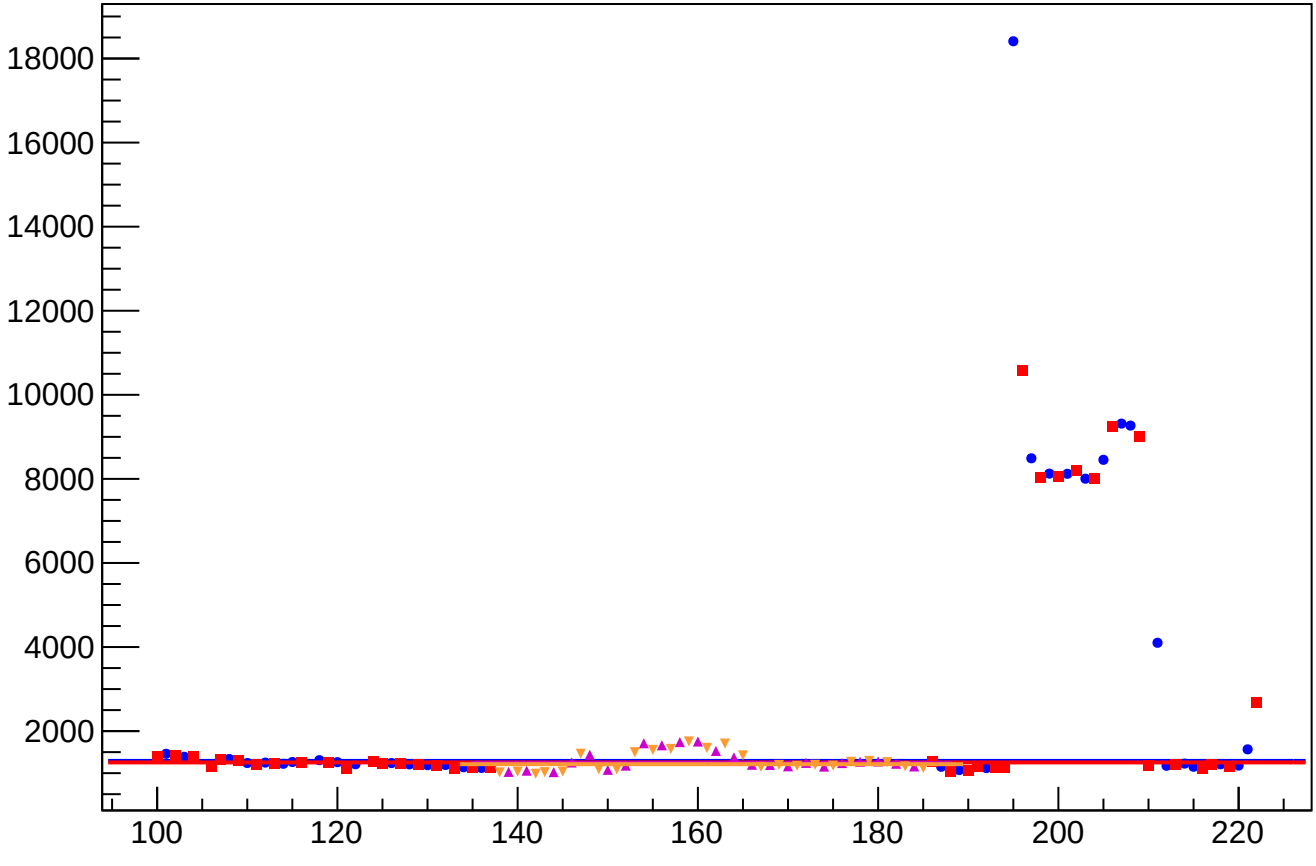
Right: -0.915+/-0.221 χ^2/NDF: 3198.6/71

In: -2.186+/-0.217 χ^2/NDF:1080.2/56

Out: 2.636+/-0.206 χ^2/NDF:2006.4/62

All: 0.353+/-0.149 χ^2/NDF: 3346.2/119

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: 1255.027+/-0.214 χ^2/NDF: 9516586.0/37

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

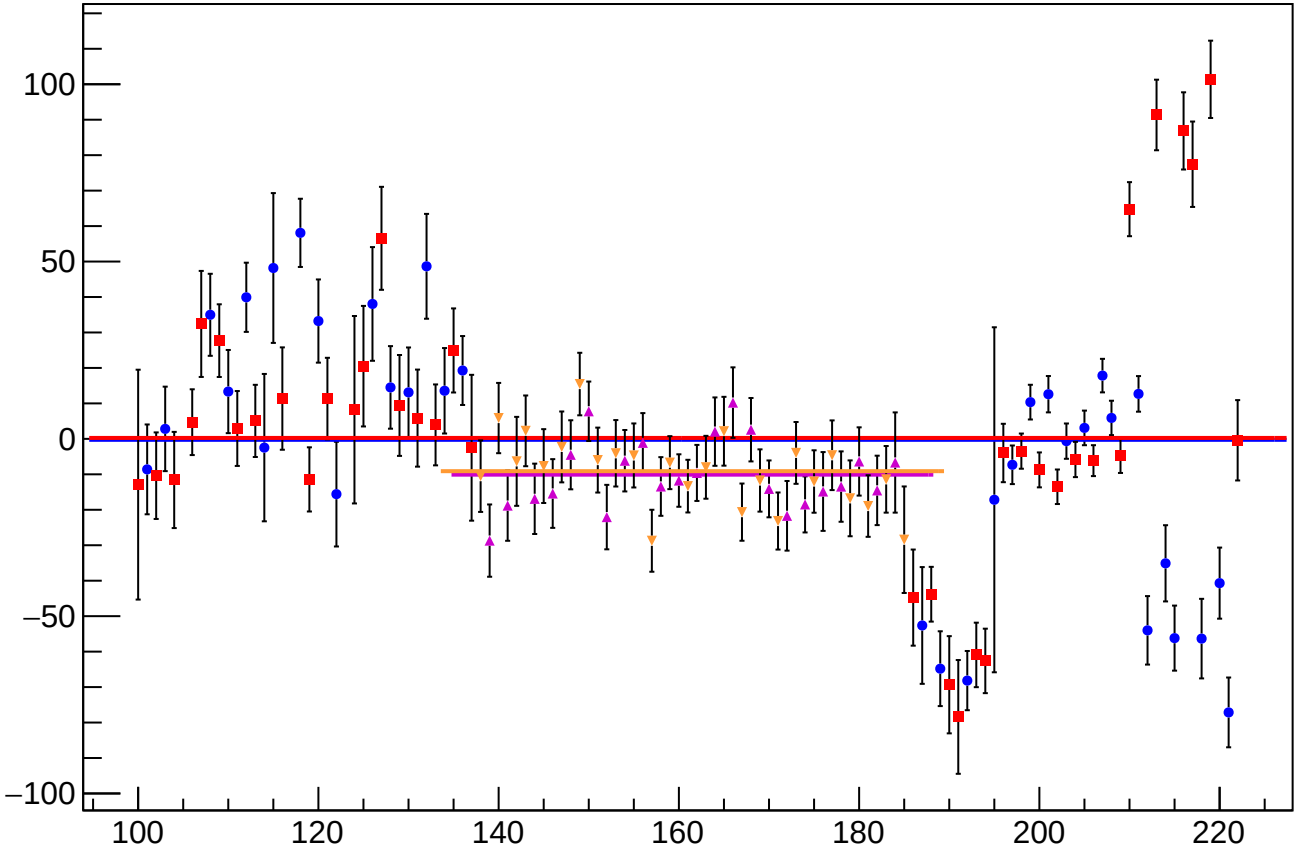
Right: 1272.101+/-0.156 χ^2/NDF: 20363236.8/71

In: 1262.934+/-0.154 χ^2/NDF:11747377.8/56

Out: 1232.529+/-0.146 χ^2/NDF:10549798.6/62

All: 1246.924+/-0.106 χ^2/NDF: 22317825.2/

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: 0.262+/-1.402 χ^2/NDF: 588.1/37

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

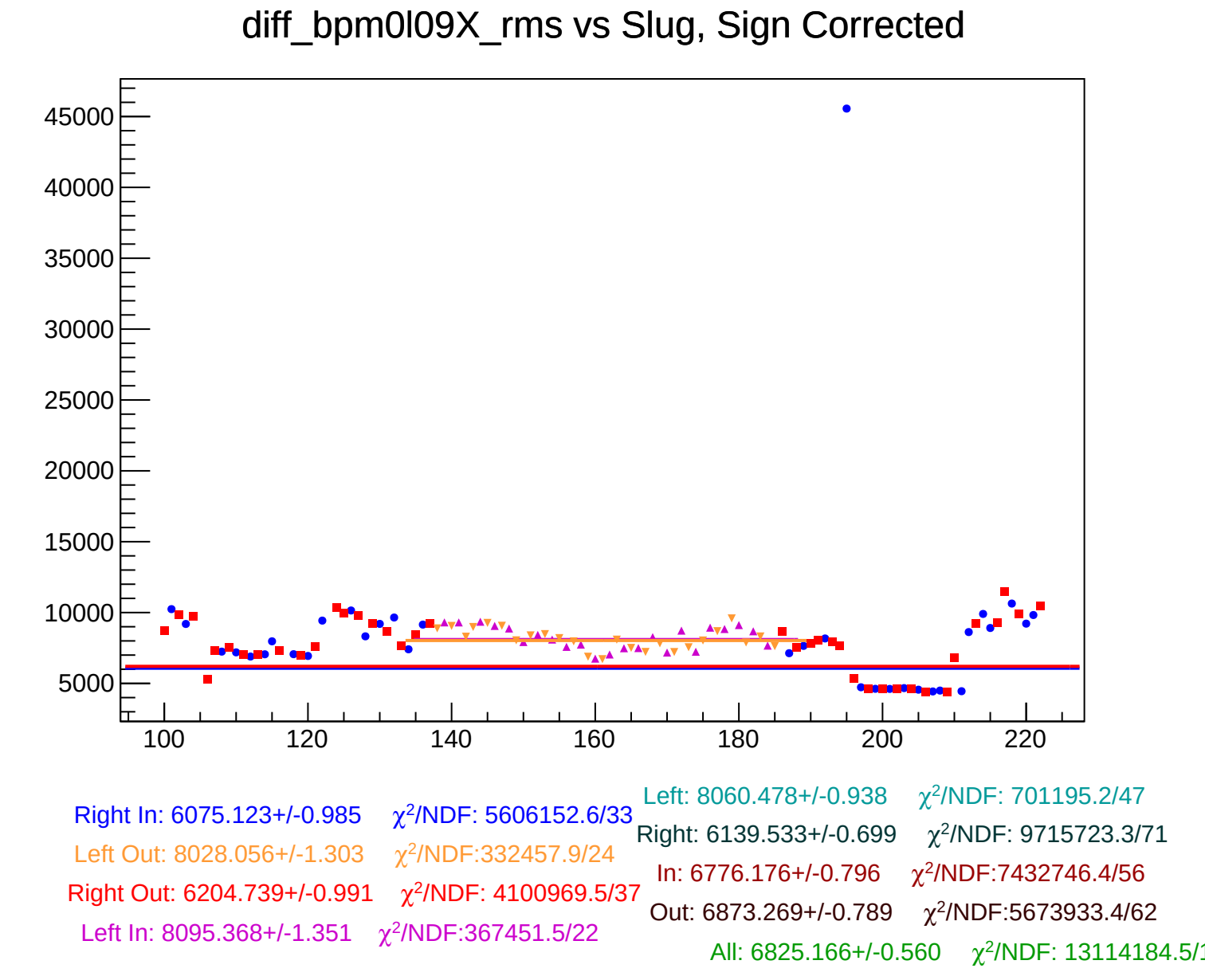
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: -0.006+/-0.988 χ^2/NDF: 1023.1/71

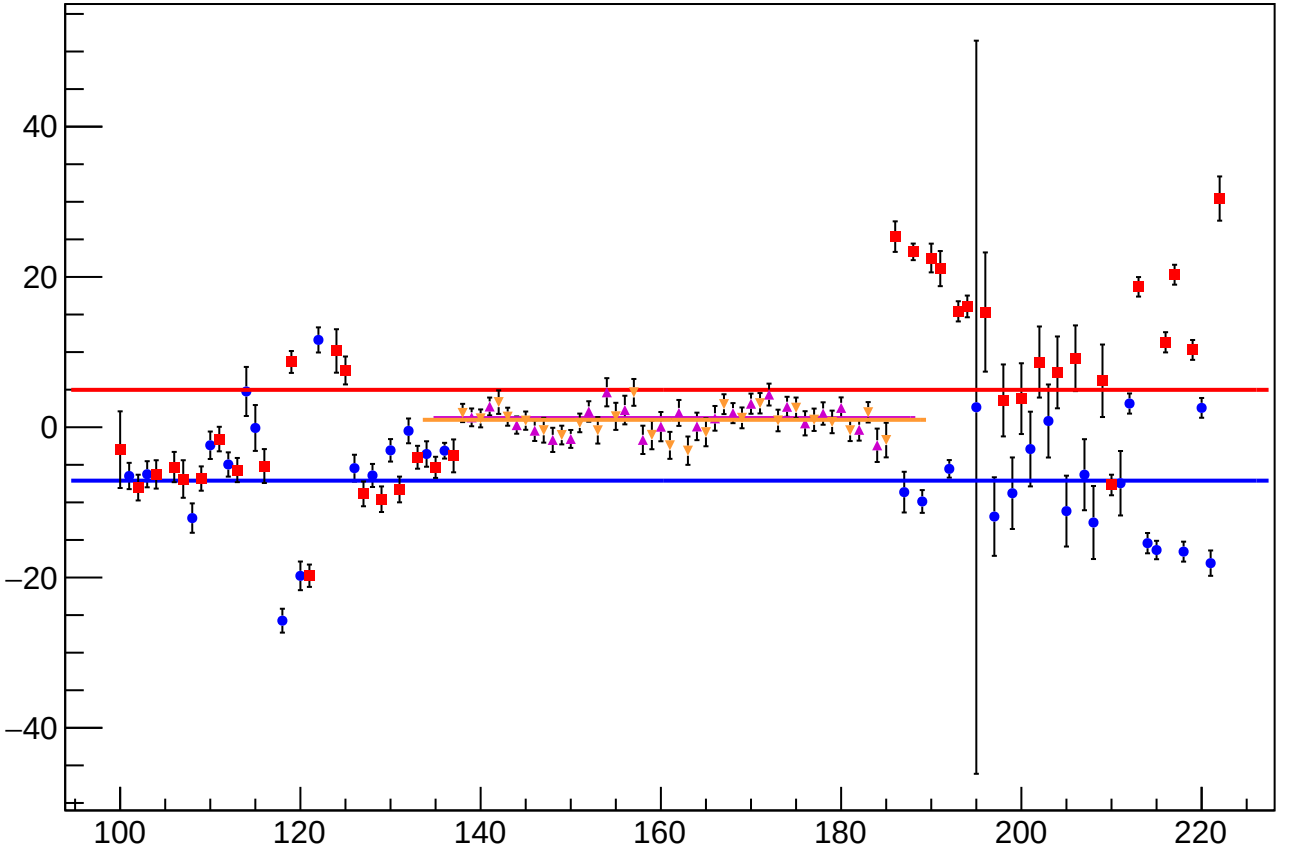
In: -3.680+/-1.126 χ^2/NDF:476.5/56

Out: -3.176+/-1.116 χ^2/NDF:633.3/62

All: -3.426+/-0.792 χ^2/NDF: 1109.9/119


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: 6204.739+/-0.991 χ²/NDF: 4100969.5/37
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 6139.533+/-0.699 χ²/NDF: 9715723.3/71
In: 6776.176+/-0.796 χ²/NDF:7432746.4/56
Out: 6873.269+/-0.789 χ²/NDF:5673933.4/62
All: 6825.166+/-0.560 χ²/NDF: 13114184.5/

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: 4.977+/-0.292 χ^2/NDF: 1951.5/37

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

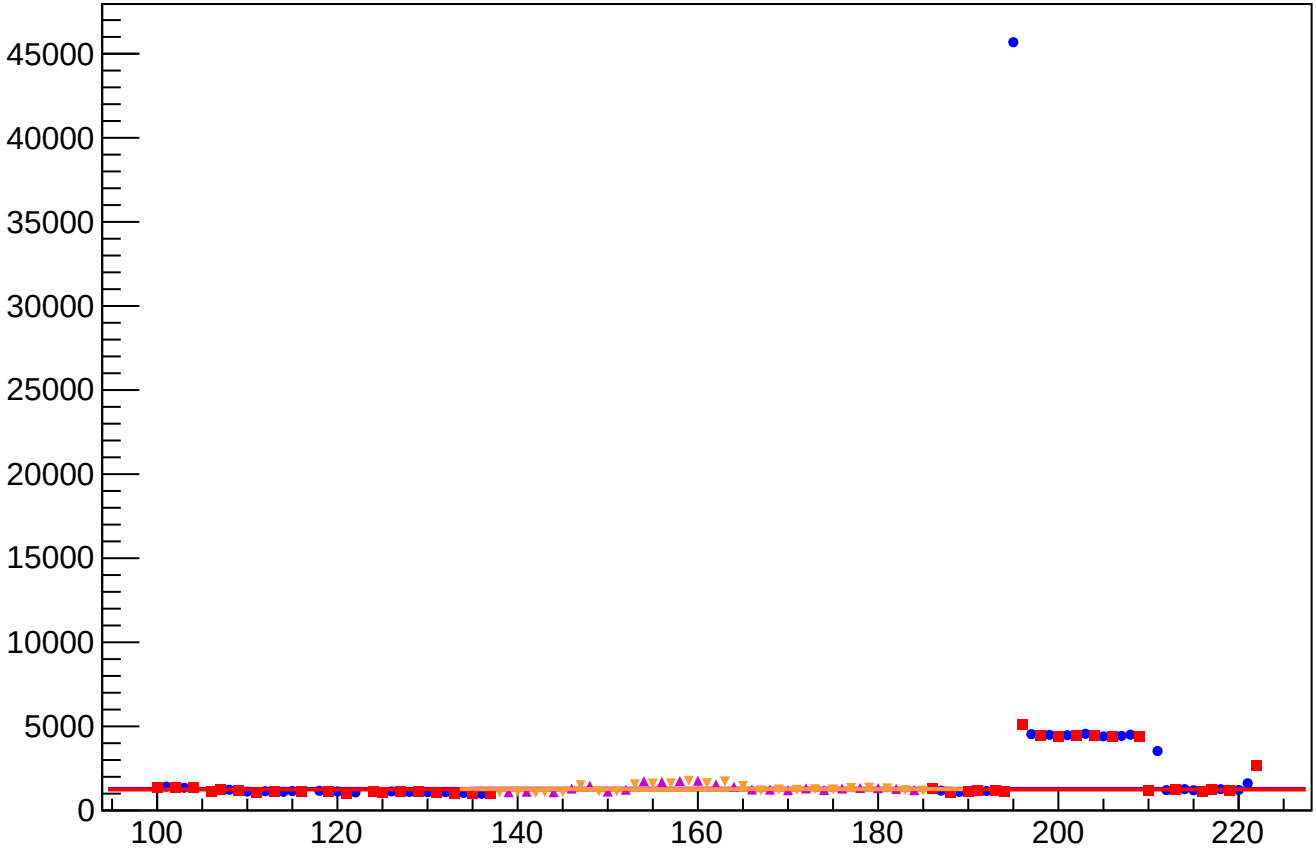
Right: -0.752+/-0.212 χ^2/NDF: 3459.4/71

In: -2.929+/-0.217 χ^2/NDF:1097.3/56

Out: 2.984+/-0.207 χ^2/NDF:2075.6/62

All: 0.174+/-0.150 χ^2/NDF: 3562.0/119

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: 1246.203+/-0.207 χ^2/NDF: 6894994.4/37

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

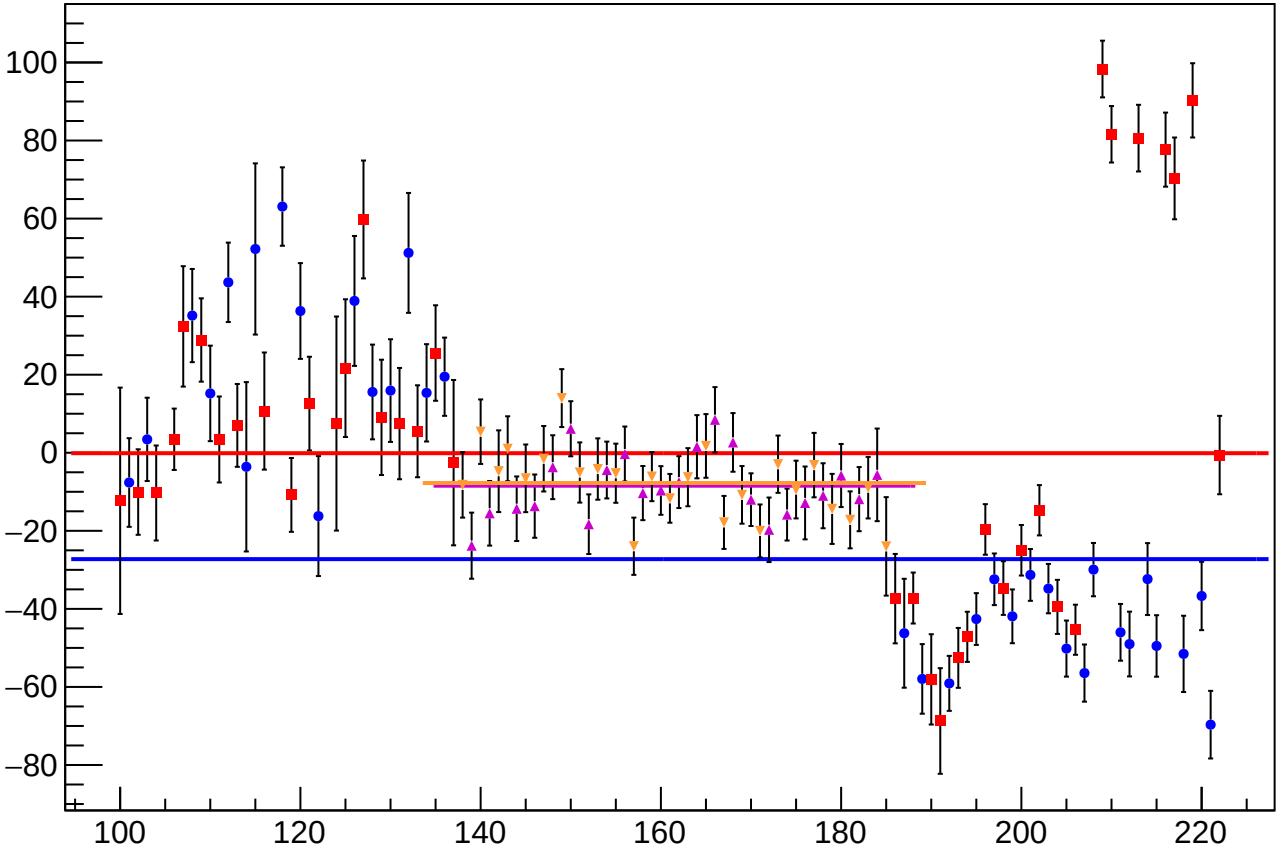
Right: 1262.958+/-0.150 χ^2/NDF: 15747338.4/71

In: 1287.834+/-0.154 χ^2/NDF:9598322.4/56

Out: 1256.795+/-0.146 χ^2/NDF:7778689.9/62

All: 1271.544+/-0.106 χ^2/NDF: 17398453.4/

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: -0.111+/-1.515 χ^2/NDF: 973.1/37

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

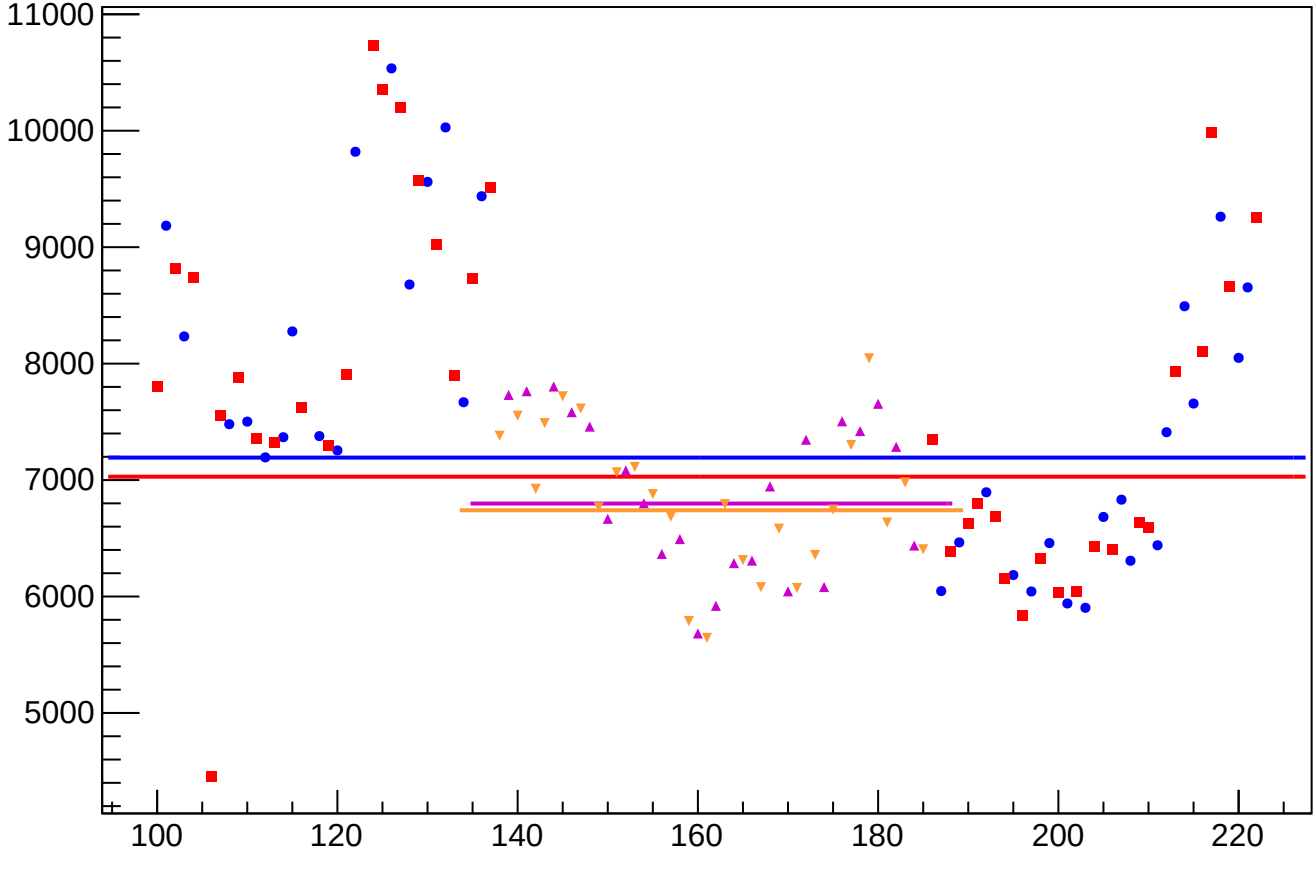
Right: -13.293+/-1.086 χ^2/NDF: 1575.0/71

In: -18.117+/-1.118 χ^2/NDF:541.5/56

Out: -3.853+/-1.082 χ^2/NDF:1016.0/62

All: -10.752+/-0.778 χ^2/NDF: 1641.6/119

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: 7029.073+/-1.071 χ^2/NDF: 1372718.0/37

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

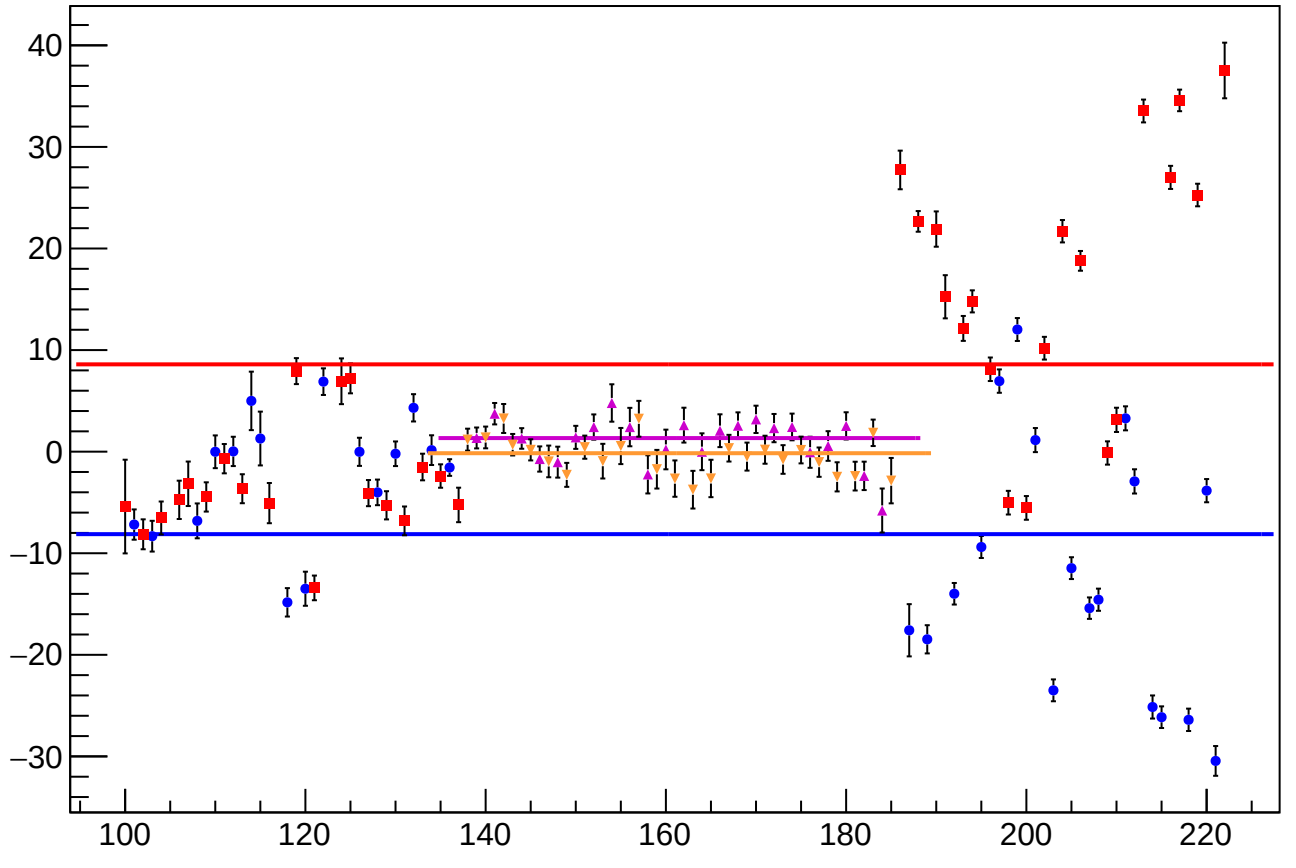
Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

Right: 7108.694+/-0.768 χ^2/NDF: 2475920.0/71

In: 7001.465+/-0.791 χ^2/NDF:1507288.2/56

Out: 6887.942+/-0.765 χ^2/NDF:1724878.7/62

All: 6942.850+/-0.550 χ^2/NDF: 3242811.2/11



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: 8.595+/-0.216 χ^2/NDF: 4118.3/37

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

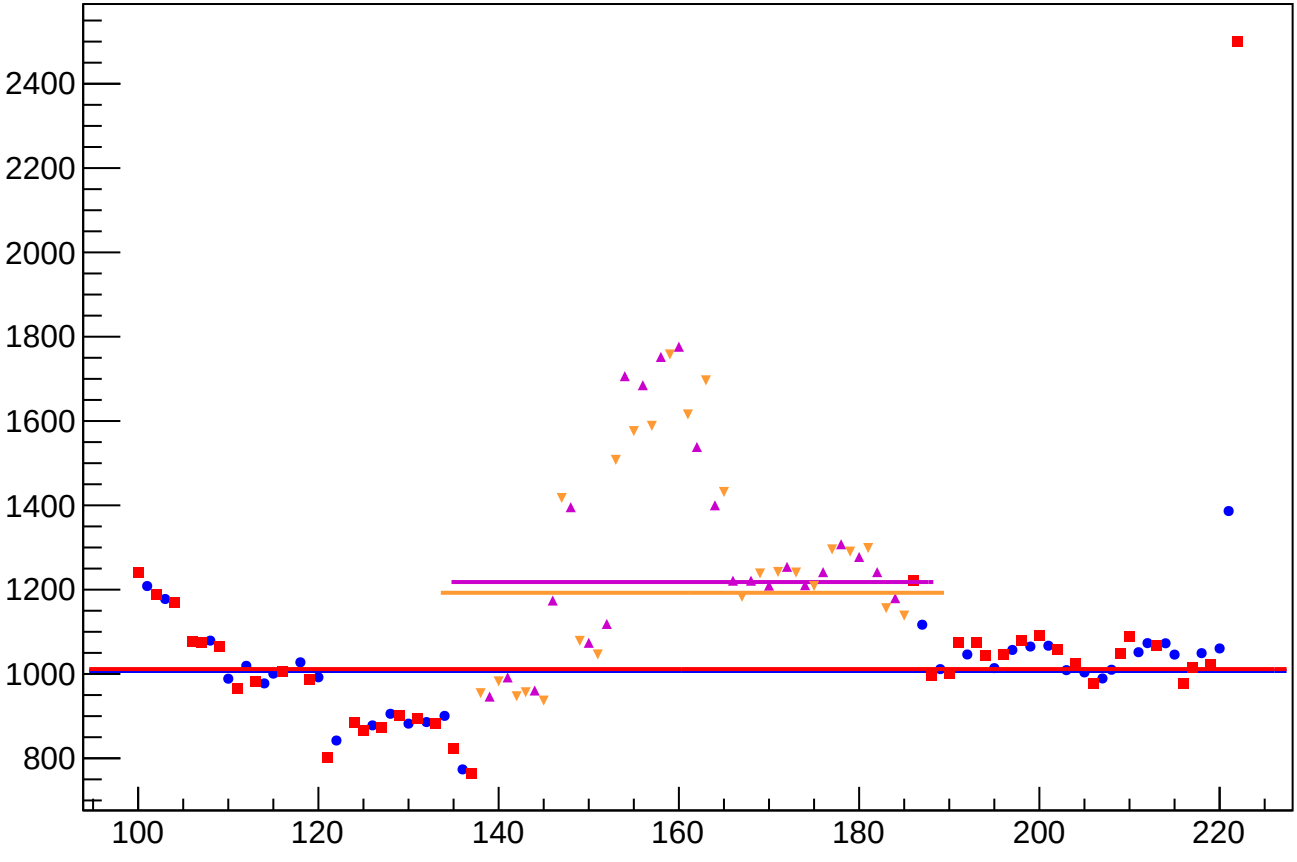
Right: 0.237+/-0.153 χ^2/NDF: 9724.9/71

In: -4.745+/-0.173 χ^2/NDF:3344.4/56

Out: 5.280+/-0.170 χ^2/NDF:4774.9/62

All: 0.355+/-0.122 χ^2/NDF: 9820.4/119

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: 1011.632+/-0.153 χ^2/NDF: 978890.4/37

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

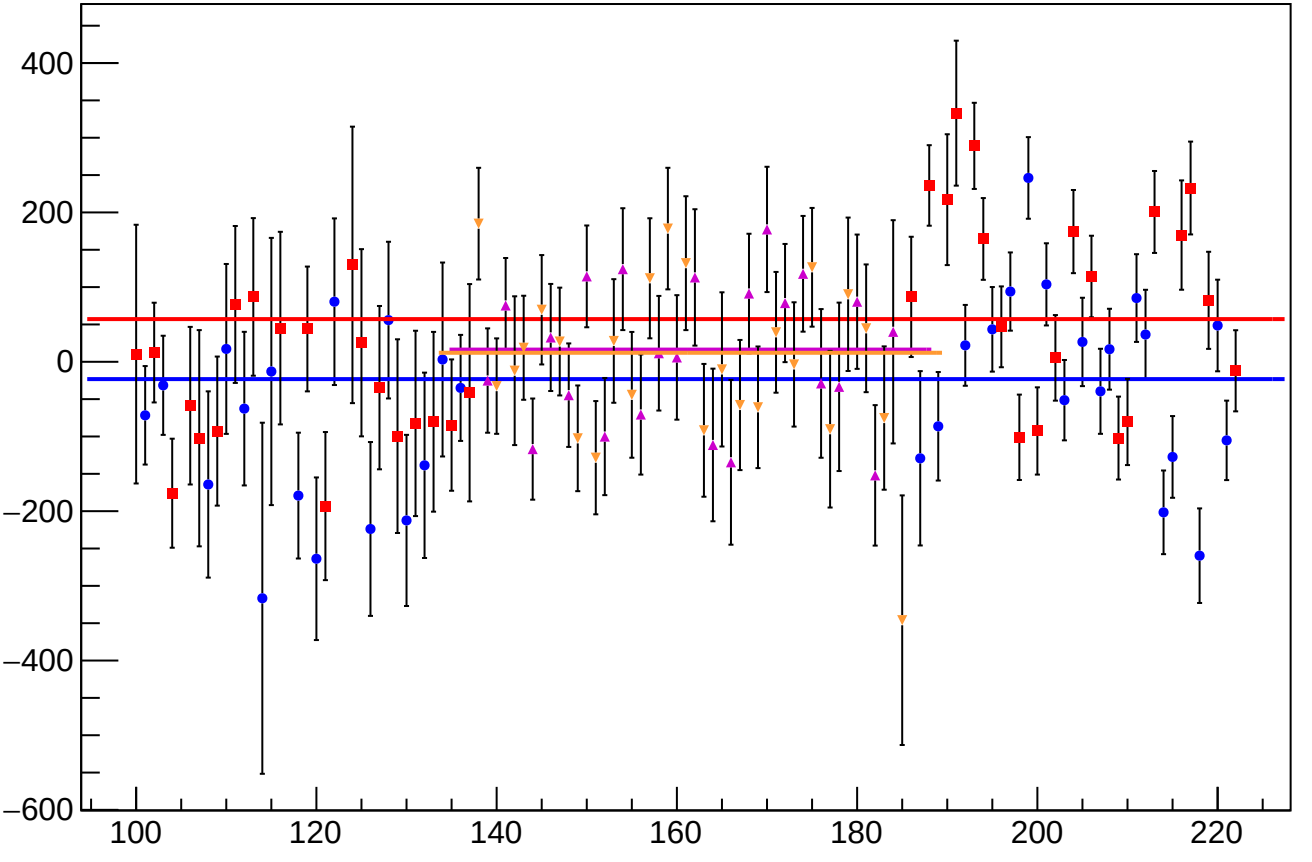
Right: 1009.342+/-0.108 χ^2/NDF: 1499357.8/71

In: 1082.368+/-0.123 χ^2/NDF:2328071.5/56

Out: 1080.218+/-0.120 χ^2/NDF:2830157.4/62

All: 1081.274+/-0.086 χ^2/NDF: 5158385.5/11

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: 57.174+/-11.982 χ^2/NDF: 126.0/37

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

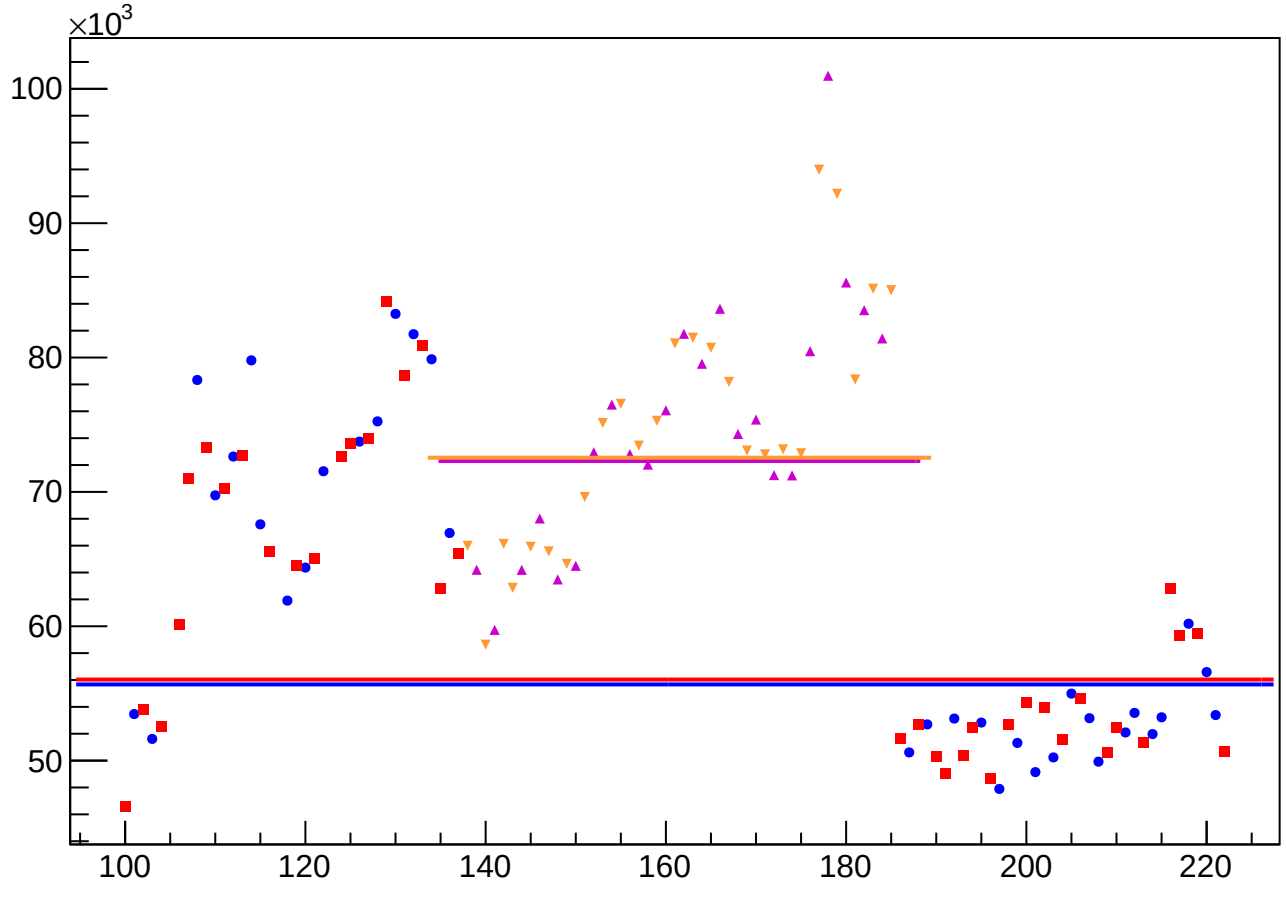
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 17.106+/-8.484 χ^2/NDF: 244.3/71

In: -10.032+/-9.814 χ^2/NDF:128.1/56

Out: 41.738+/-9.717 χ^2/NDF:163.6/62

All: 16.111+/-6.905 χ^2/NDF: 305.8/119



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: 56035.221+/-8.472 χ^2/NDF: 818775.8/37

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

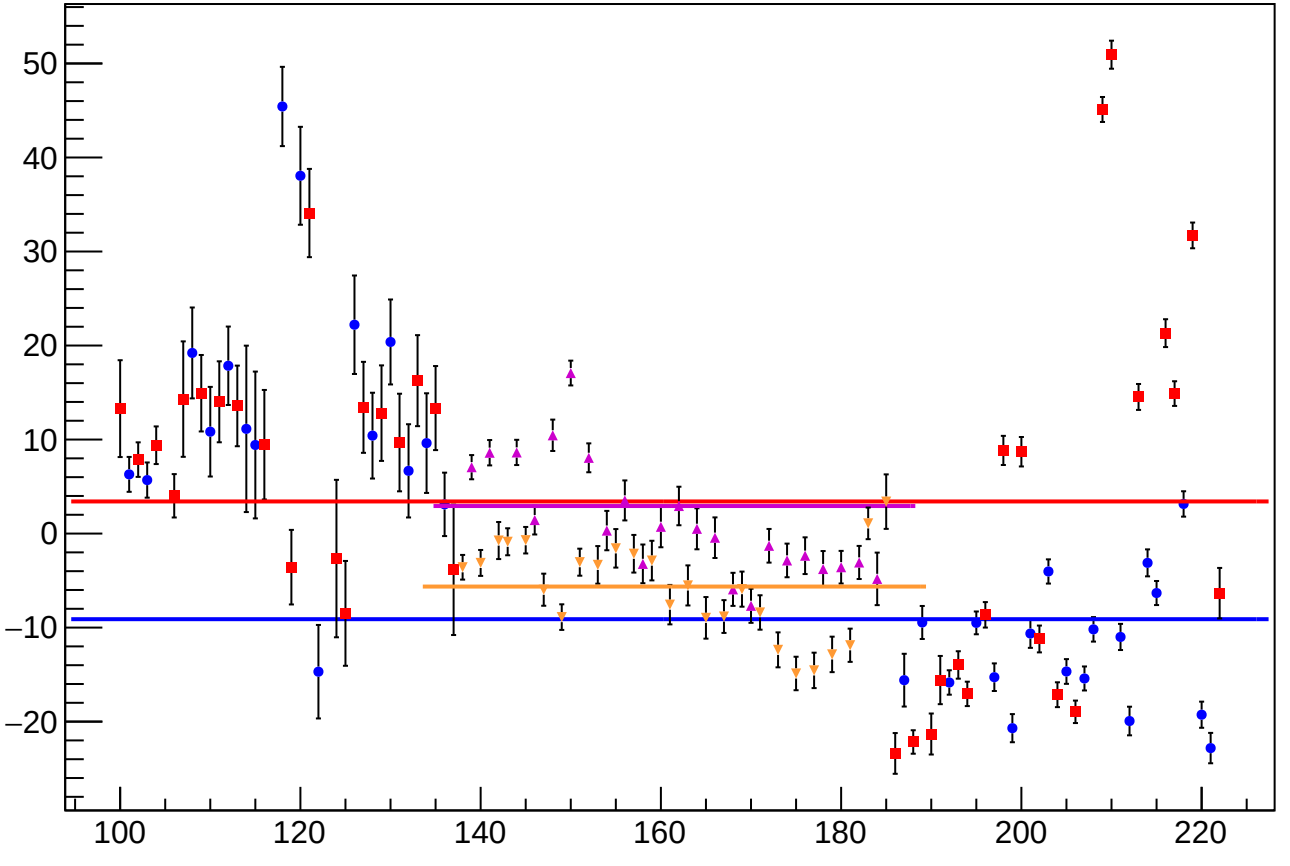
Right: 55852.913+/-5.999 χ^2/NDF: 1702096.7/71

In: 61201.093+/-6.940 χ^2/NDF:2645982.7/56

Out: 61686.601+/-6.871 χ^2/NDF:2618597.8/62

All: 61446.269+/-4.883 χ^2/NDF: 5267052.0/1

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: 3.417+/-0.315 χ^2/NDF: 4789.9/37

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

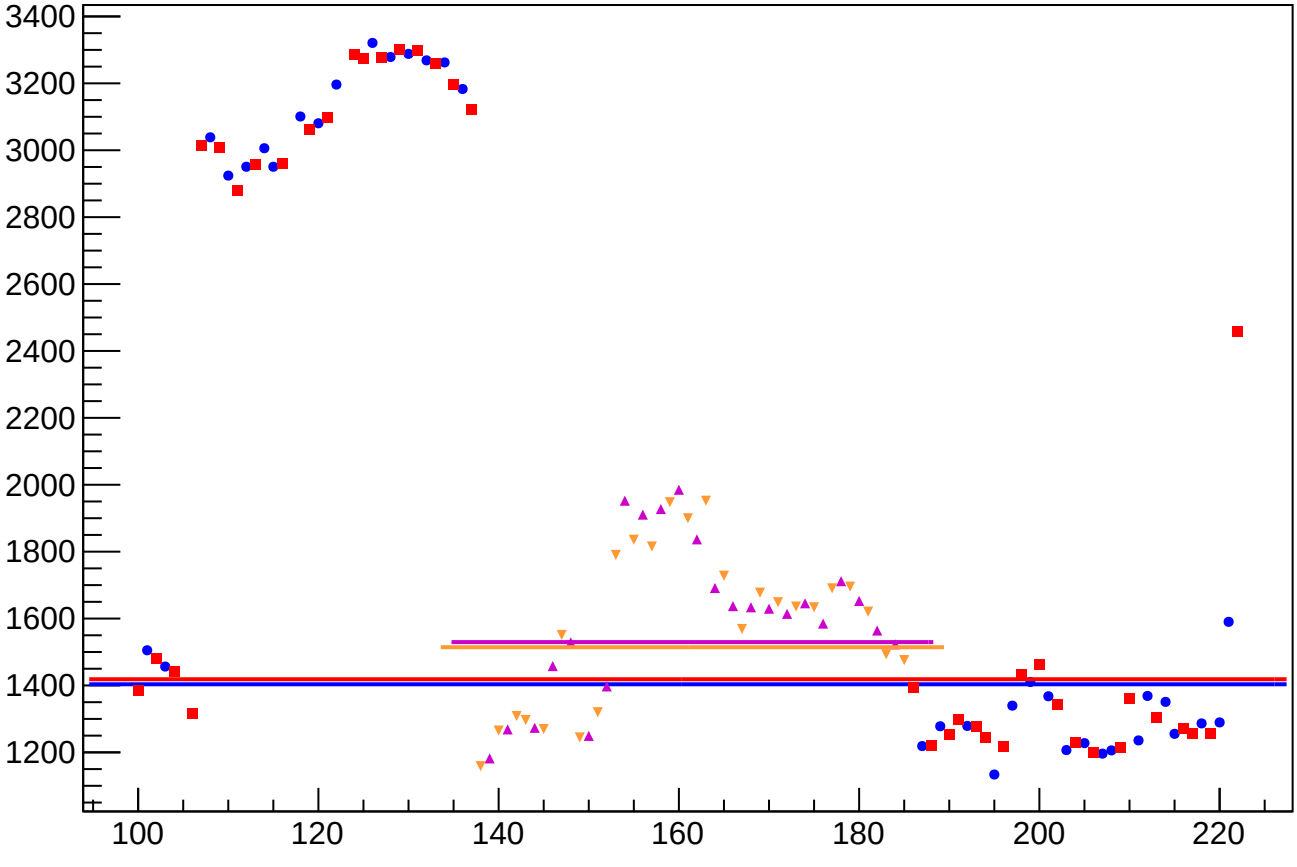
Right: -2.868+/-0.223 χ^2/NDF: 6651.3/71

In: -3.938+/-0.237 χ^2/NDF:2037.6/56

Out: -0.654+/-0.234 χ^2/NDF:5338.3/62

All: -2.272+/-0.167 χ^2/NDF: 7473.0/119

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: 1418.562+/-0.223 χ^2/NDF: 4276162.0/37

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

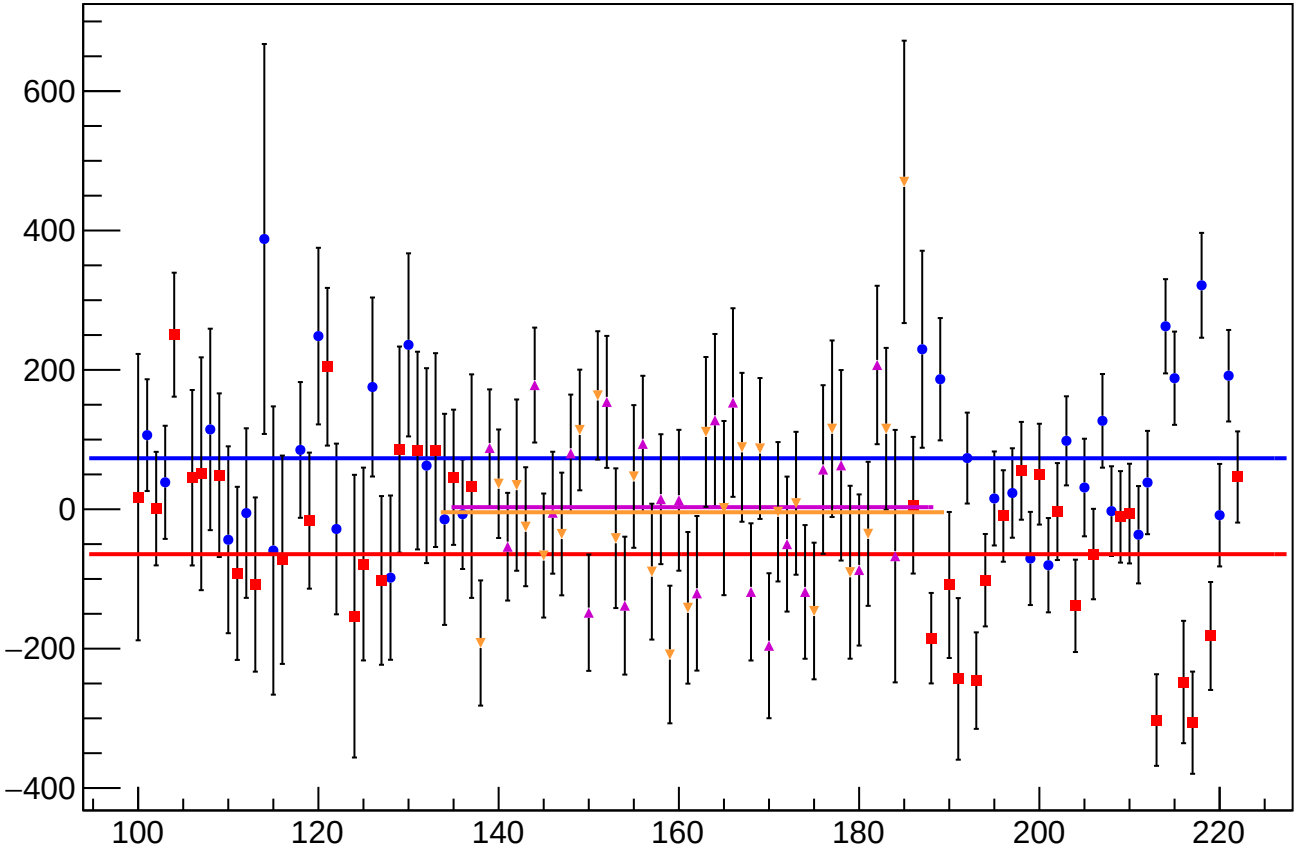
Right: 1411.019+/-0.157 χ^2/NDF: 8406097.4/71

In: 1457.686+/-0.168 χ^2/NDF:5094399.8/56

Out: 1461.625+/-0.165 χ^2/NDF:5292368.4/62

All: 1459.684+/-0.118 χ^2/NDF: 10387047.4/1

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: -64.441+/-14.312 χ^2/NDF: 83.5/37

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

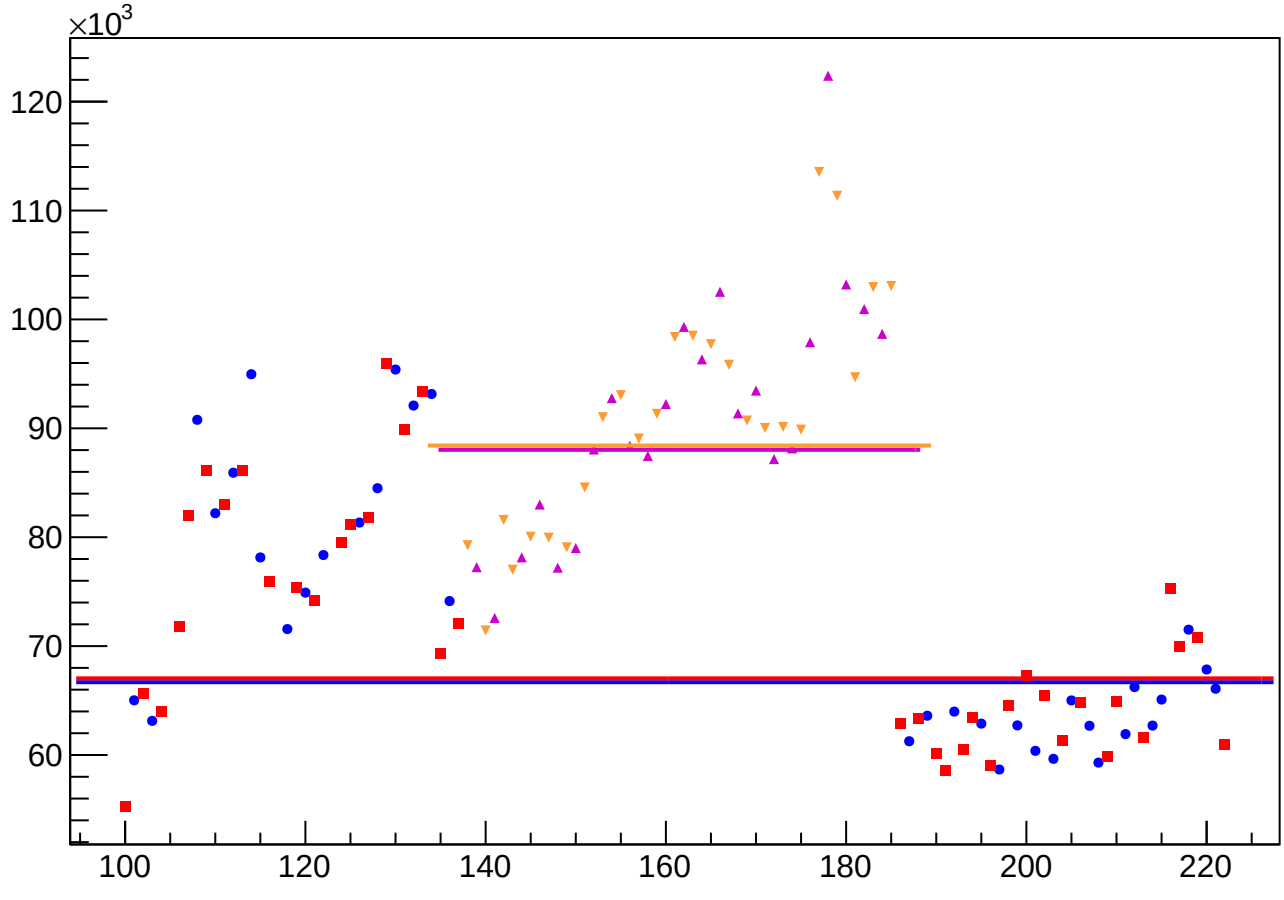
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 4.158+/-10.137 χ^2/NDF: 186.6/71

In: 50.439+/-11.802 χ^2/NDF:95.4/56

Out: -44.385+/-11.686 χ^2/NDF:119.9/62

All: 2.555+/-8.304 χ^2/NDF: 247.9/119



Right In: 66685.818+/-10.154 χ^2/NDF: 663593.3/33

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67037.250+/-10.120 χ^2/NDF: 638131.0/37

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

Left: 88225.391+/-10.238 χ^2/NDF: 967137.0/47

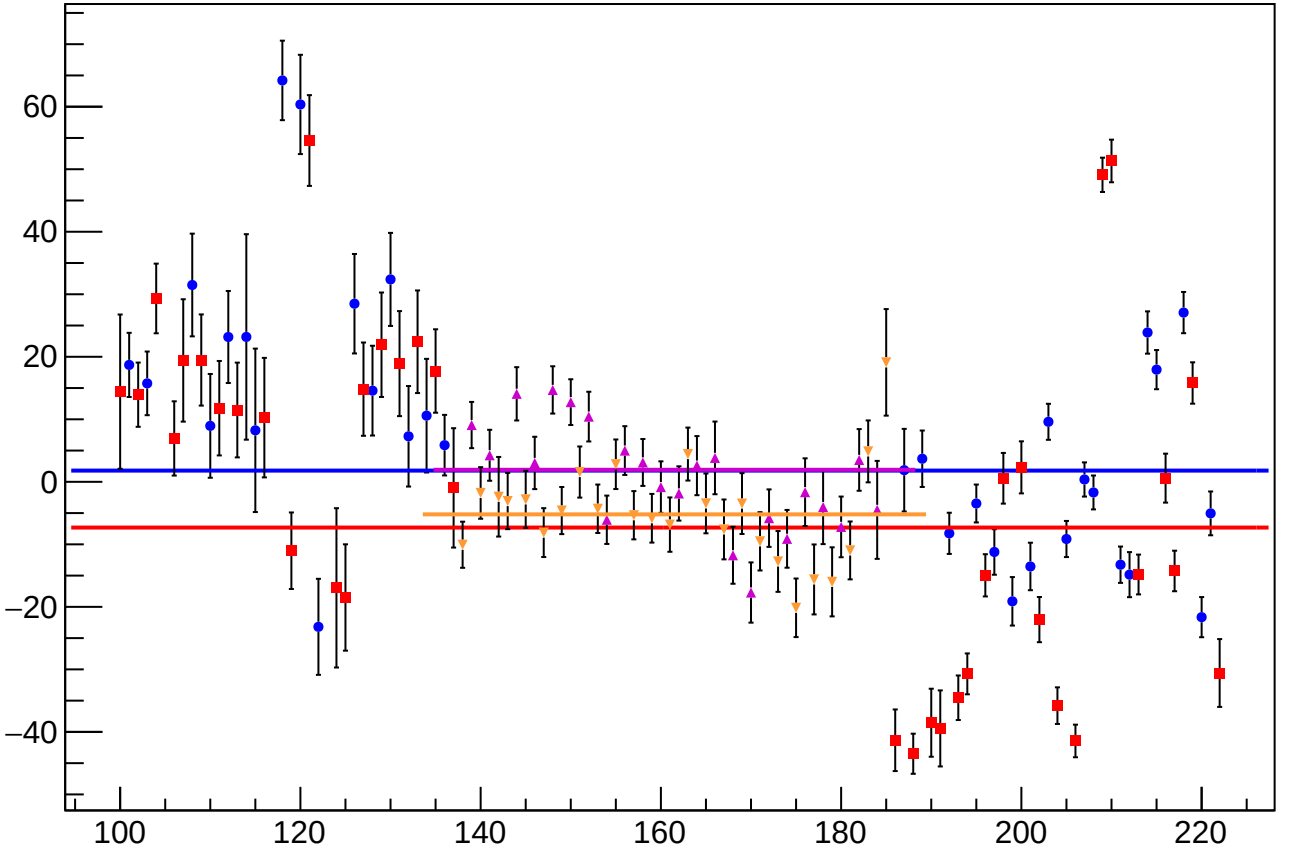
Right: 66862.120+/-7.168 χ^2/NDF: 1302325.2/71

In: 73609.110+/-8.345 χ^2/NDF:2581278.1/56

Out: 74164.141+/-8.263 χ^2/NDF:2607945.9/62

All: 73889.384+/-5.872 χ^2/NDF: 5191457.6/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.796+/-0.713 χ^2/NDF: 564.9/33

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -7.315+/-0.733 χ^2/NDF: 1682.7/37

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

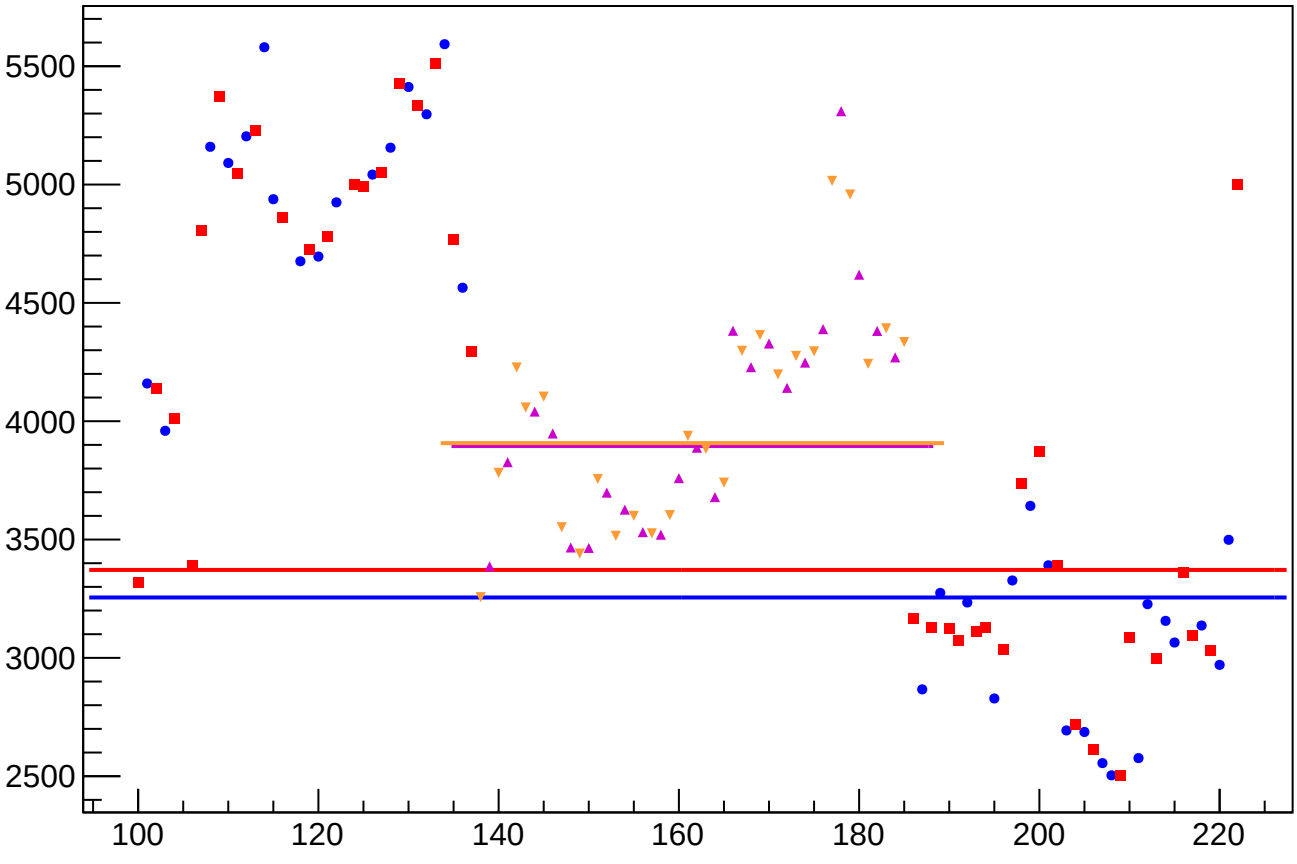
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -2.637+/-0.511 χ^2/NDF: 2326.9/71

In: 1.844+/-0.563 χ^2/NDF:648.1/56

Out: -6.467+/-0.567 χ^2/NDF:1737.0/62

All: -2.283+/-0.399 χ^2/NDF: 2493.4/119



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: 3371.648+/-0.518 χ^2/NDF: 2219791.5/37

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

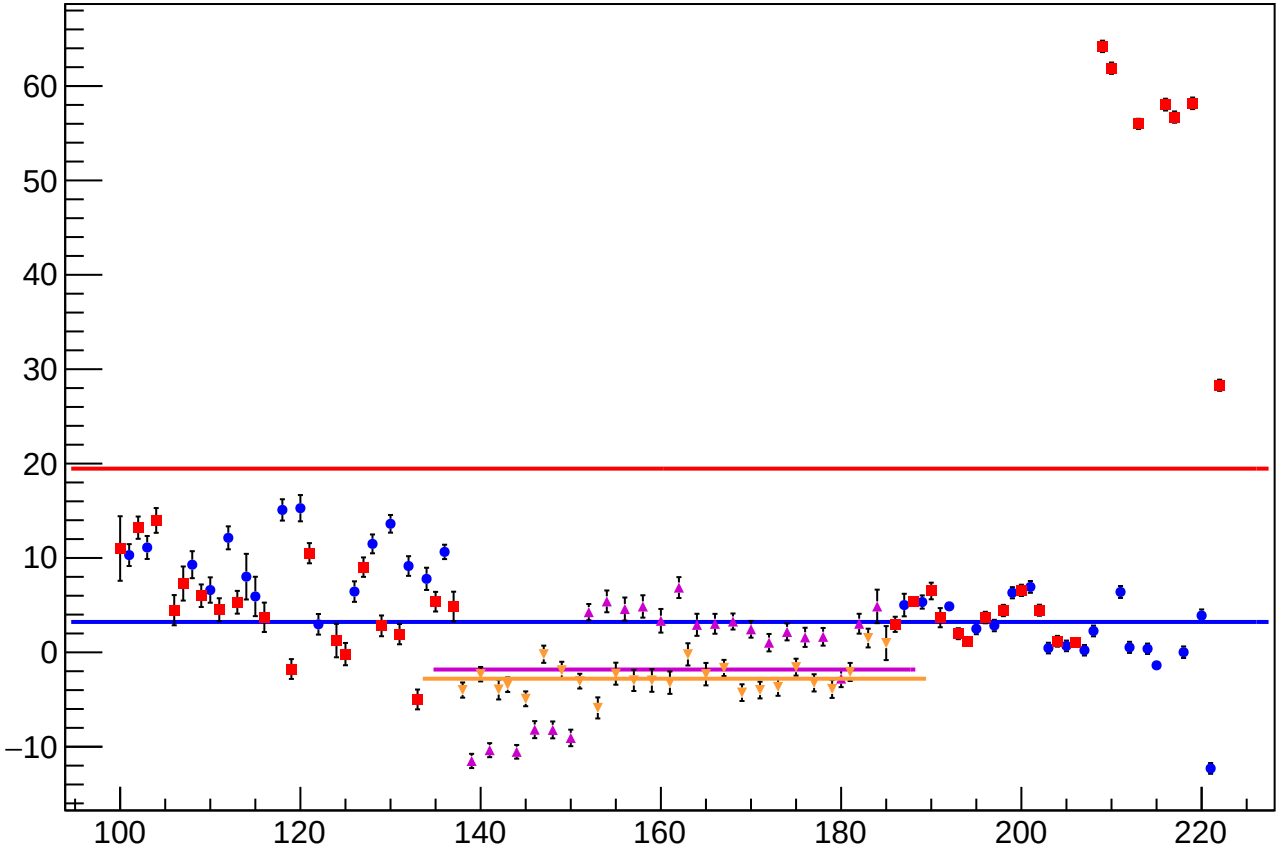
Right: 3311.843+/-0.361 χ^2/NDF: 4496245.4/71

In: 3496.686+/-0.398 χ^2/NDF:3267805.2/56

Out: 3587.036+/-0.401 χ^2/NDF:3090782.6/62

All: 3541.556+/-0.282 χ^2/NDF: 6384176.5/11

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: 19.465+/-0.125 χ^2/NDF: 38369.8/37

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

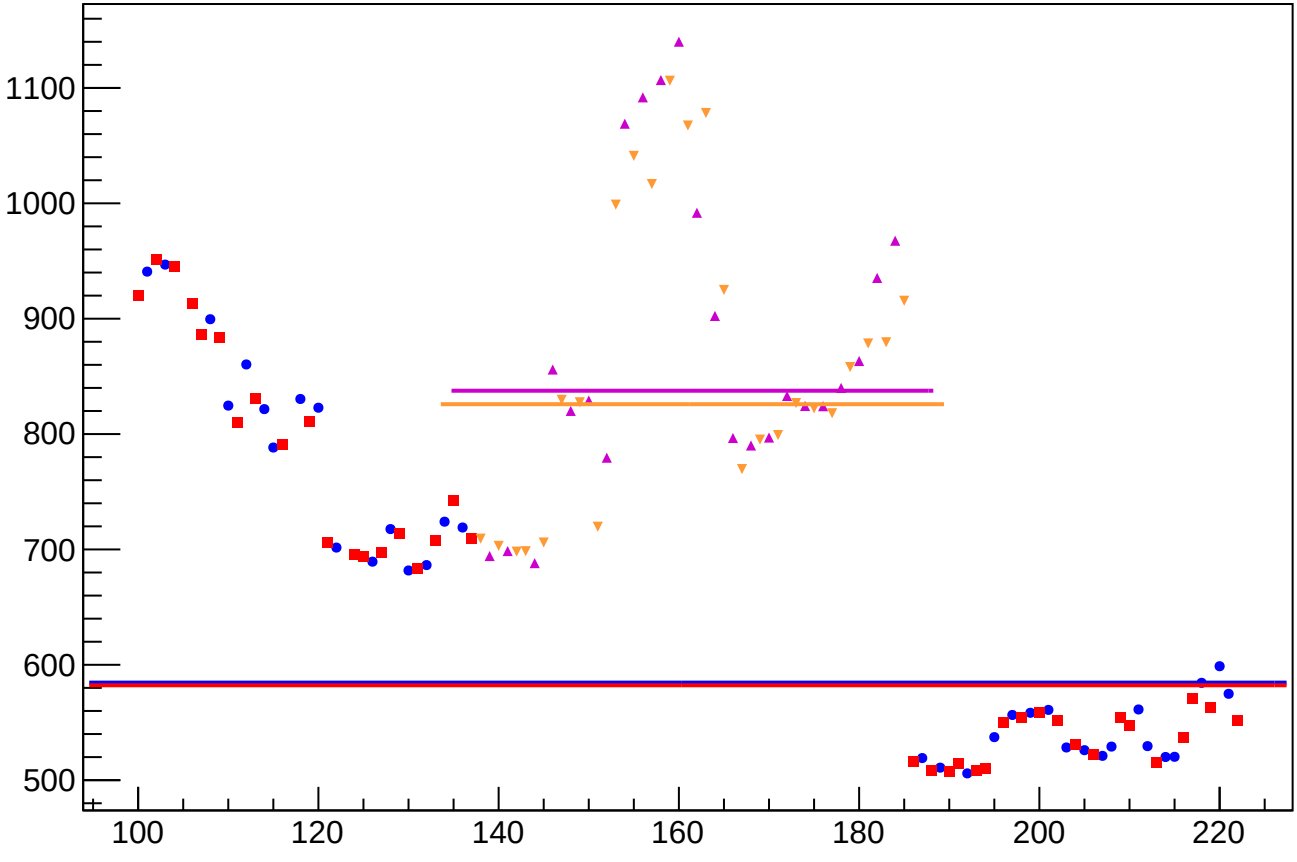
Right: 11.432+/-0.089 χ^2/NDF: 48508.4/71

In: 1.766+/-0.106 χ^2/NDF:3257.5/56

Out: 12.754+/-0.104 χ^2/NDF:48016.3/62

All: 7.370+/-0.075 χ^2/NDF: 56705.3/119

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: 582.251+/-0.088 χ^2/NDF: 1406204.7/37

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

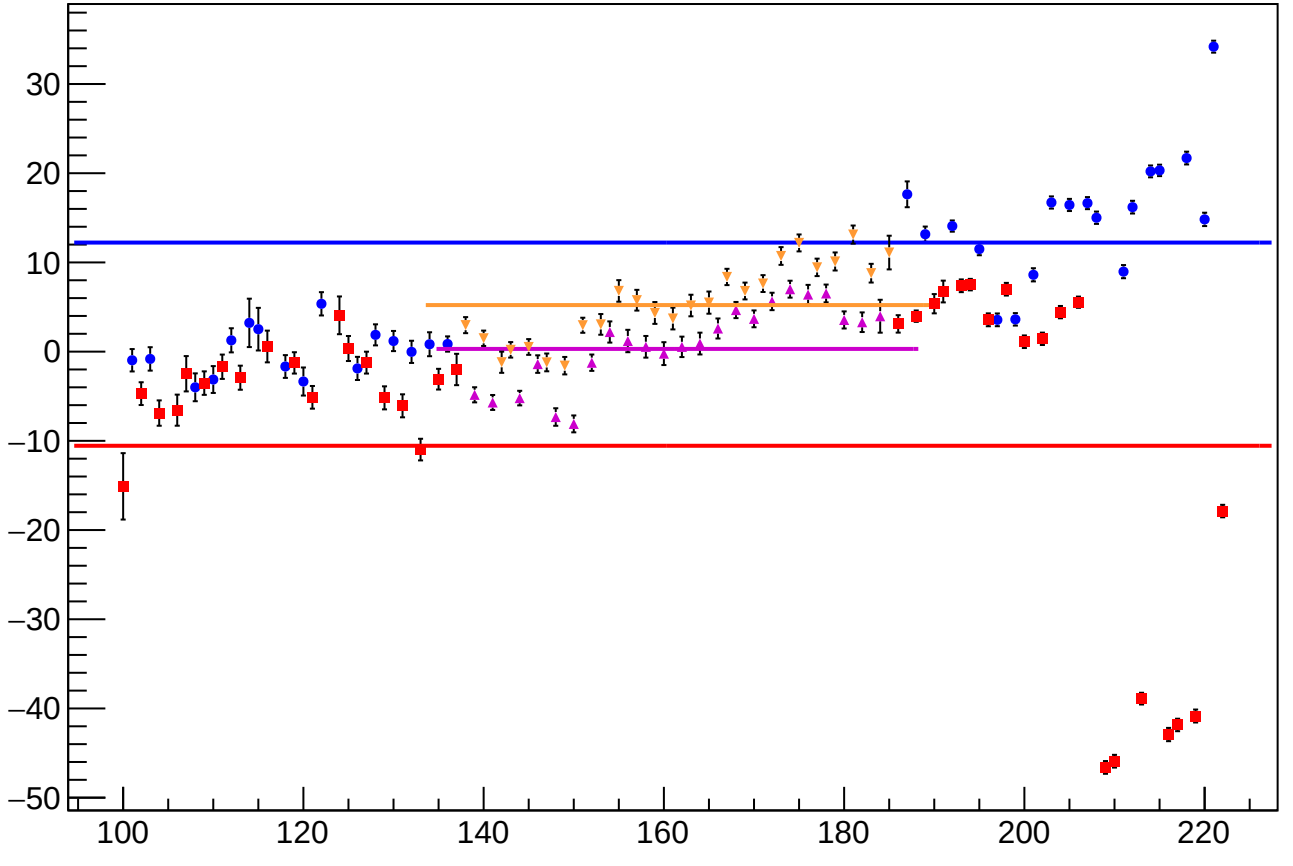
Right: 583.392+/-0.063 χ^2/NDF: 2699932.1/71

In: 657.600+/-0.075 χ^2/NDF:4326568.5/56

Out: 655.706+/-0.074 χ^2/NDF:4466528.2/62

All: 656.634+/-0.053 χ^2/NDF: 8793419.4/119

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: -10.553+/-0.148 χ^2/NDF: 18346.7/37

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

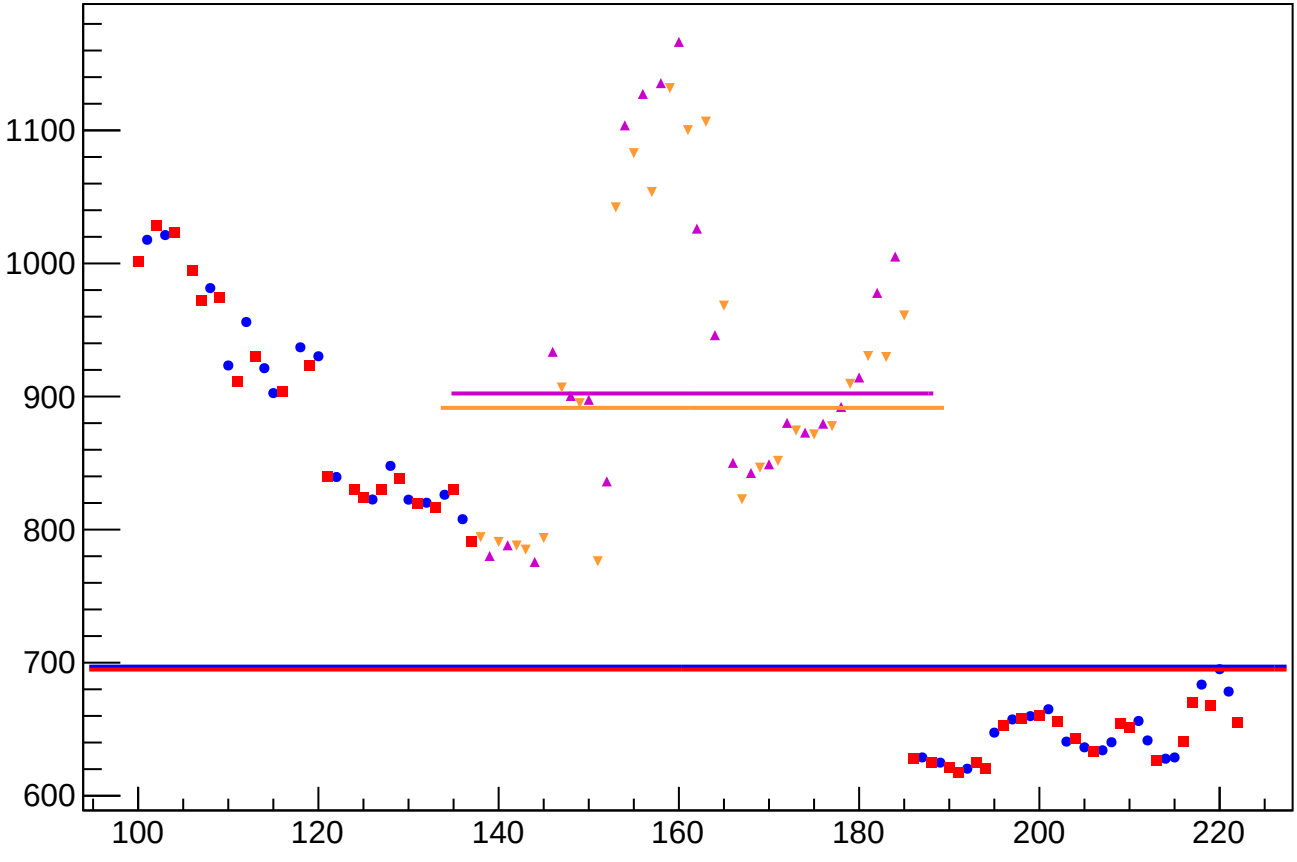
Right: 0.719+/-0.105 χ^2/NDF: 33492.4/71

In: 8.266+/-0.123 χ^2/NDF:6084.1/56

Out: -5.107+/-0.120 χ^2/NDF:22696.0/62

All: 1.444+/-0.086 χ^2/NDF: 34854.7/119

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: 694.839+/-0.105 χ^2/NDF: 1038244.3/37

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

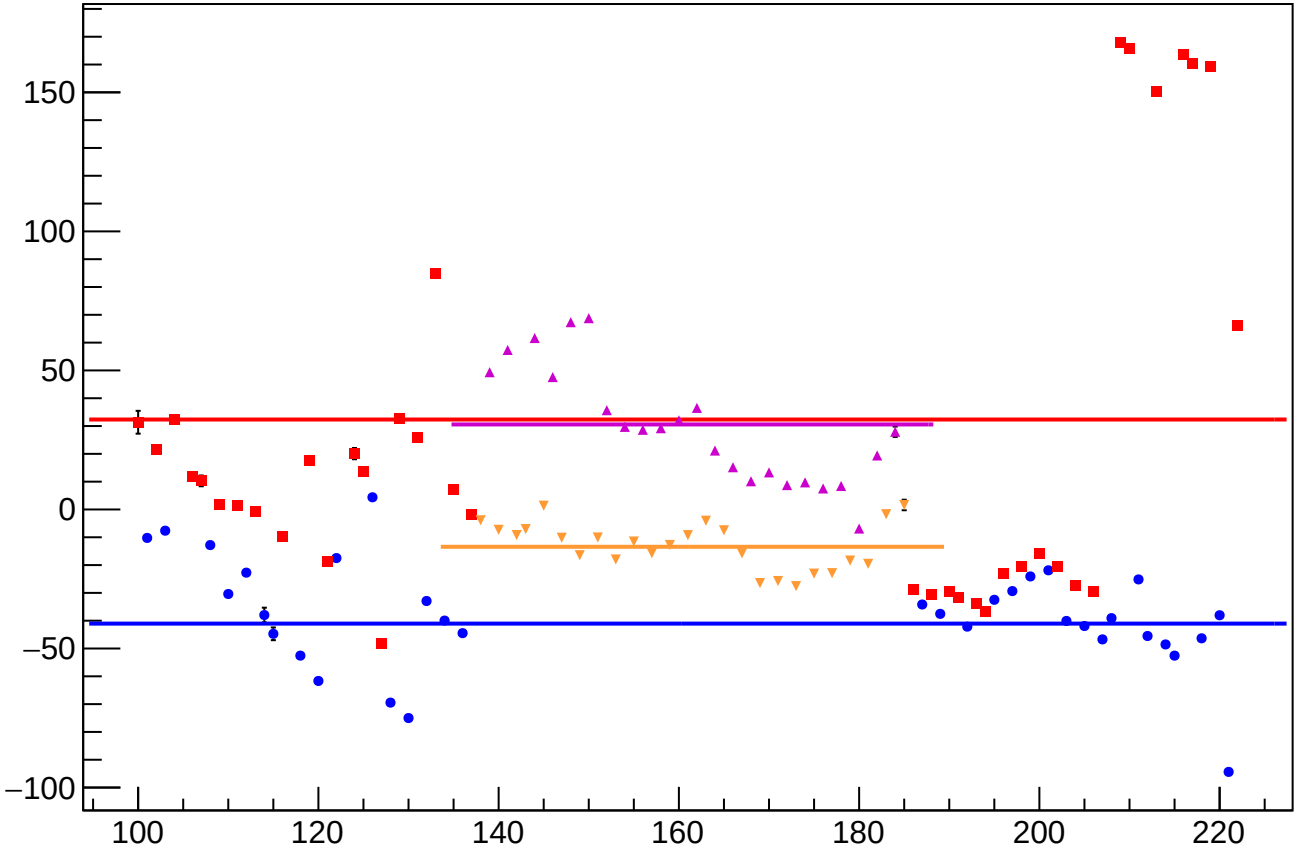
Right: 695.926+/-0.075 χ^2/NDF: 1989727.0/71

In: 765.200+/-0.087 χ^2/NDF:2680631.7/56

Out: 762.744+/-0.085 χ^2/NDF:2768413.8/62

All: 763.947+/-0.061 χ^2/NDF: 5449455.3/119

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -41.049+/-0.149 χ^2/NDF: 14210.9/33

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 32.349+/-0.147 χ^2/NDF: 289319.2/37

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

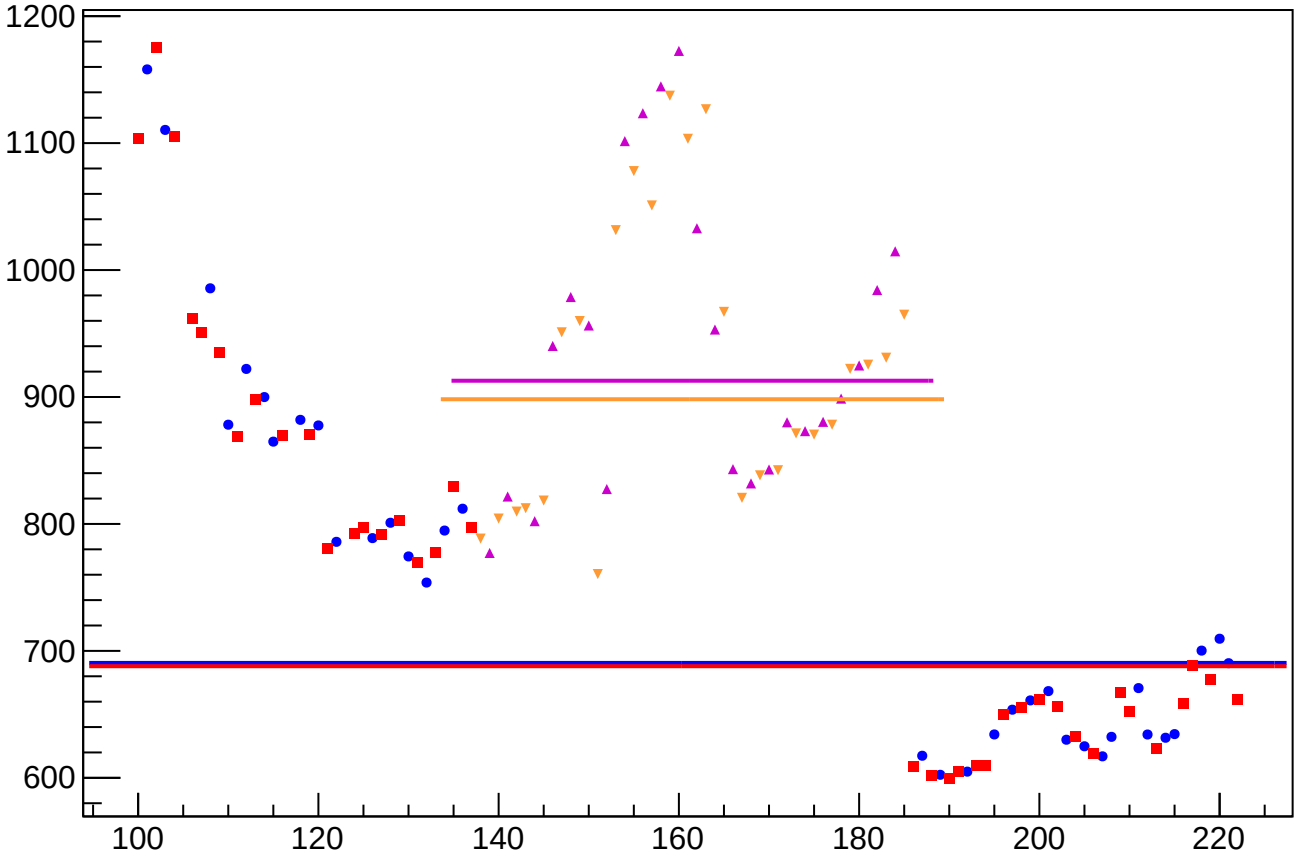
Right: -3.944+/-0.104 χ^2/NDF: 426878.9/71

In: -17.923+/-0.122 χ^2/NDF:99612.7/56

Out: 16.908+/-0.120 χ^2/NDF:323707.3/62

All: -0.127+/-0.086 χ^2/NDF: 464783.6/119

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: 687.919+/-0.104 χ^2/NDF: 1066503.7/37

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

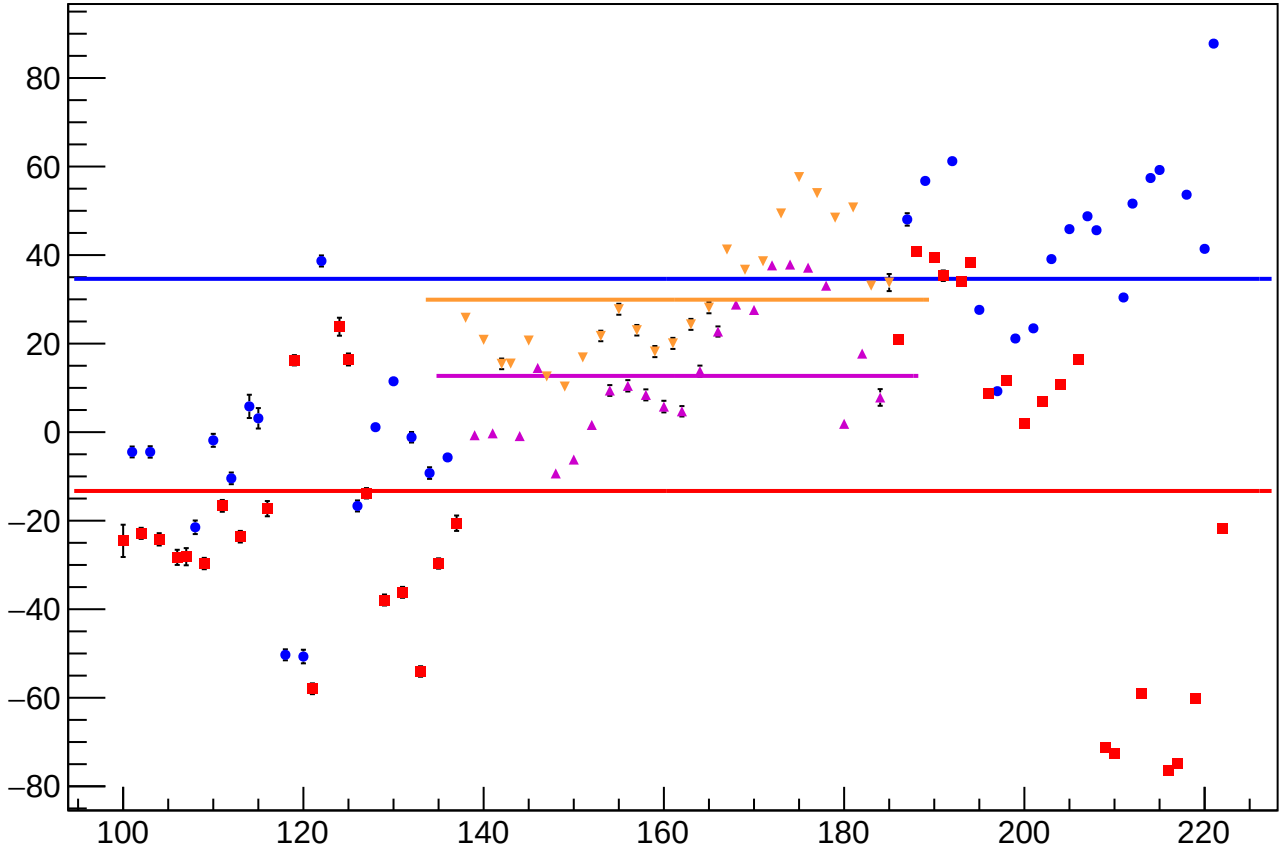
Right: 689.207+/-0.074 χ^2/NDF: 2057716.0/71

In: 762.300+/-0.086 χ^2/NDF:2916224.0/56

Out: 758.870+/-0.085 χ^2/NDF:2966780.5/62

All: 760.548+/-0.060 χ^2/NDF: 5883808.6/119

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 34.631+/-0.146 χ^2/NDF: 36796.2/33

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -13.285+/-0.145 χ^2/NDF: 76795.6/37

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

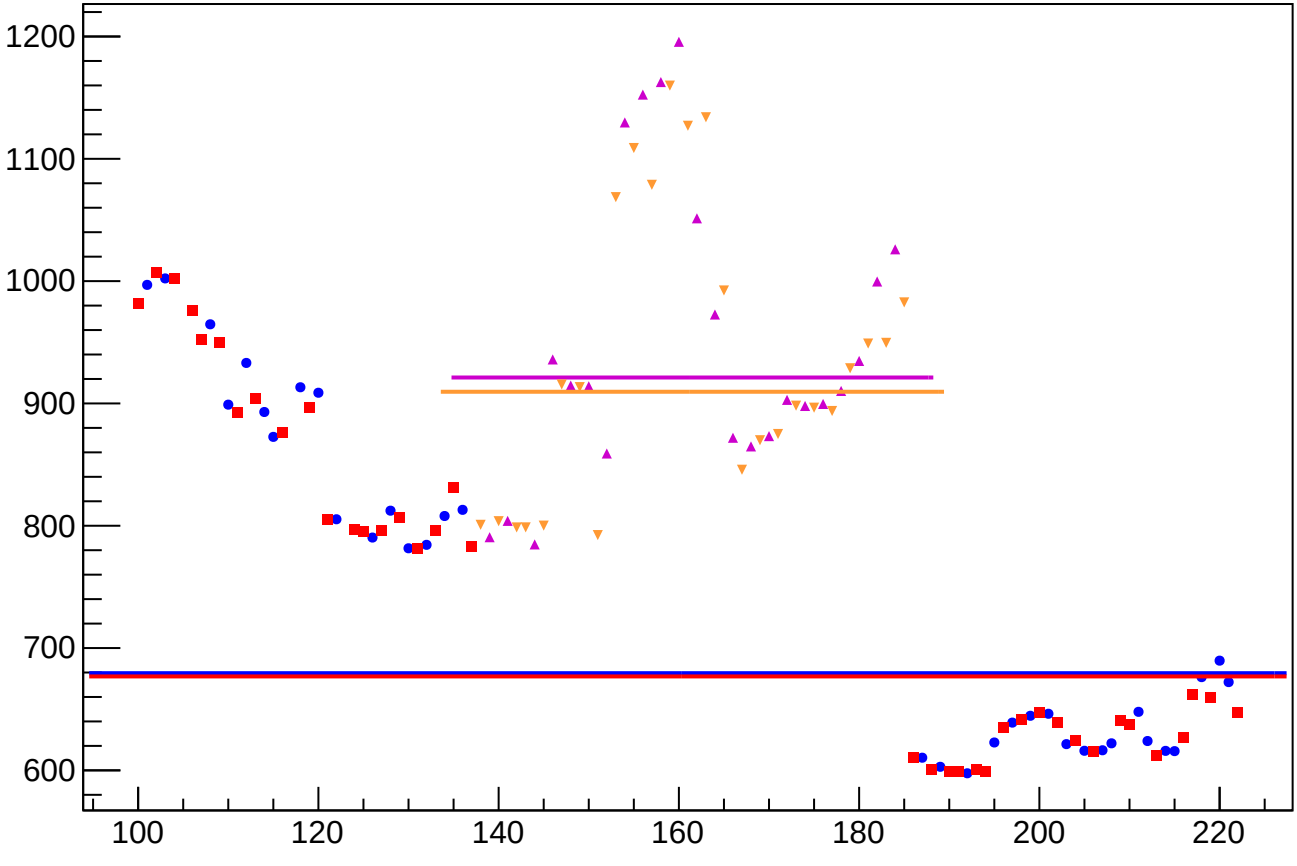
Right: 10.406+/-0.103 χ^2/NDF: 167927.3/71

In: 27.794+/-0.121 χ^2/NDF:48602.8/56

Out: 0.734+/-0.119 χ^2/NDF:110369.7/62

All: 13.989+/-0.085 χ^2/NDF: 184385.1/119

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: 676.799+/-0.102 χ^2/NDF: 1048299.9/37

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

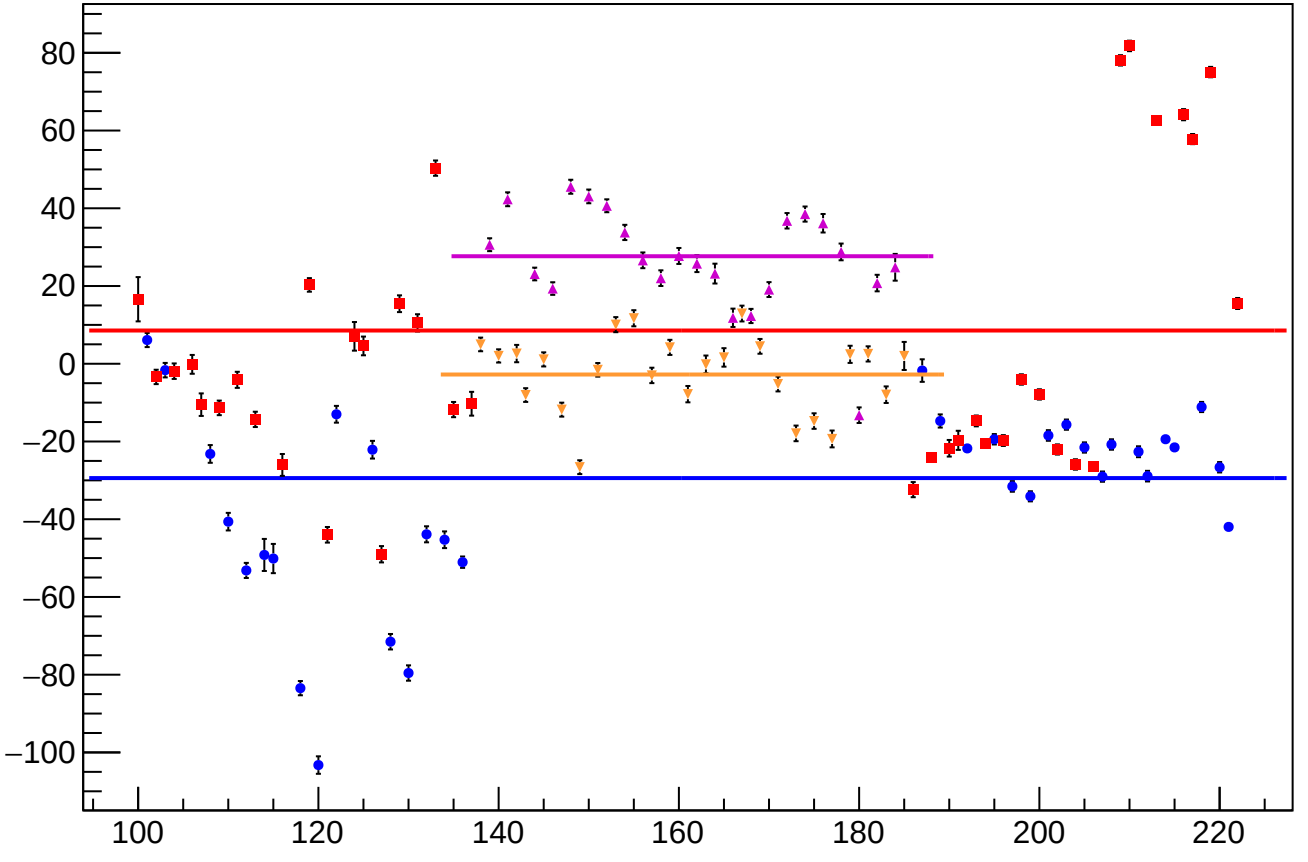
Right: 678.110+/-0.073 χ^2/NDF: 2015078.9/71

In: 754.834+/-0.086 χ^2/NDF:3169956.0/56

Out: 752.322+/-0.084 χ^2/NDF:3272711.8/62

All: 753.553+/-0.060 χ^2/NDF: 6443105.8/119

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: 8.552+/-0.272 χ^2/NDF: 20353.8/37

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

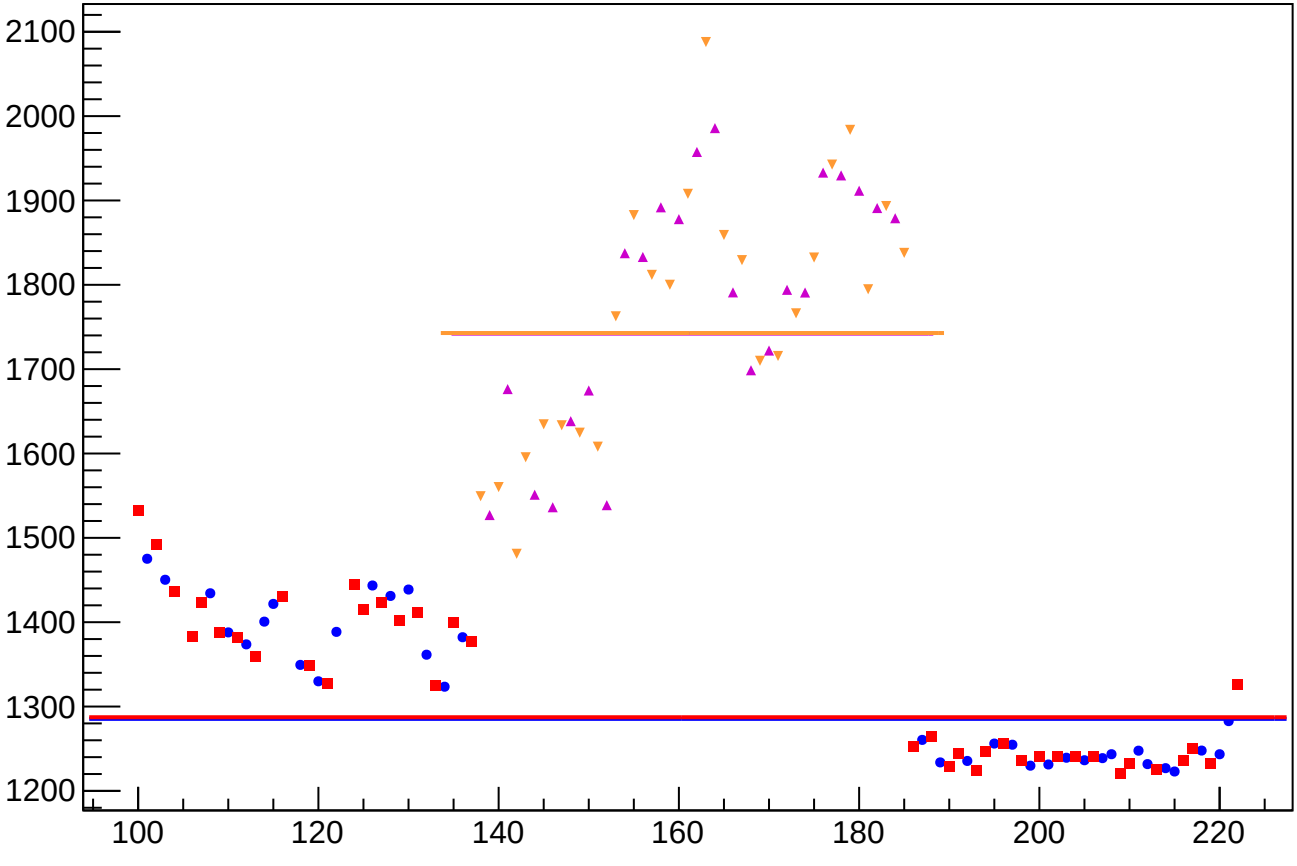
Right: -10.316+/-0.193 χ^2/NDF: 35232.2/71

In: -11.730+/-0.228 χ^2/NDF:19658.7/56

Out: 4.937+/-0.225 χ^2/NDF:21522.2/62

All: -3.288+/-0.160 χ^2/NDF: 43899.4/119

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1285.388+/-0.194 χ^2/NDF: 151339.1/33

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1287.315+/-0.192 χ^2/NDF: 152132.1/37

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

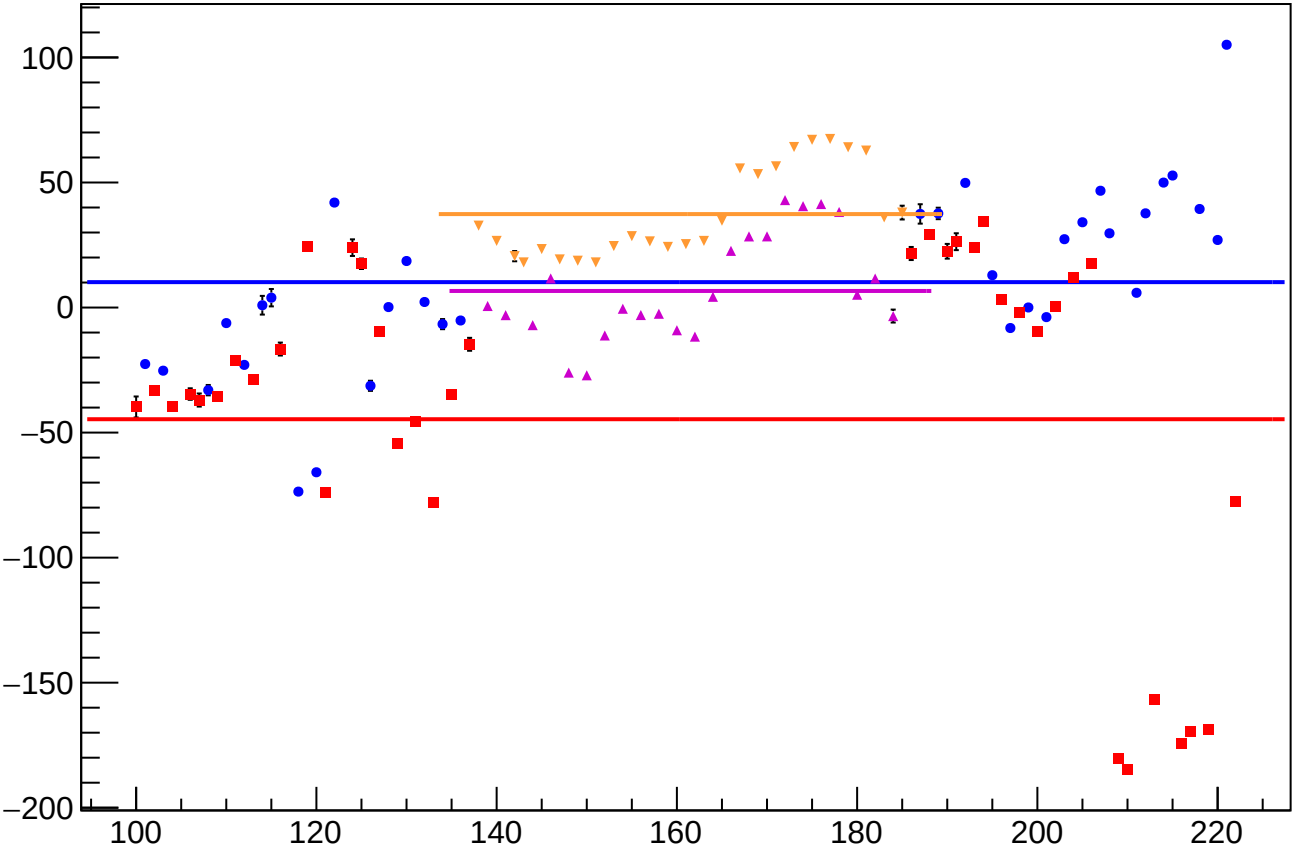
Right: 1286.358+/-0.137 χ^2/NDF: 303521.0/71

In: 1426.911+/-0.161 χ^2/NDF:2136805.3/56

Out: 1432.772+/-0.159 χ^2/NDF:2203903.9/62

All: 1429.880+/-0.113 χ^2/NDF: 4341381.4/11

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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: -44.653+/-0.307 χ^2/NDF: 49419.5/37

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

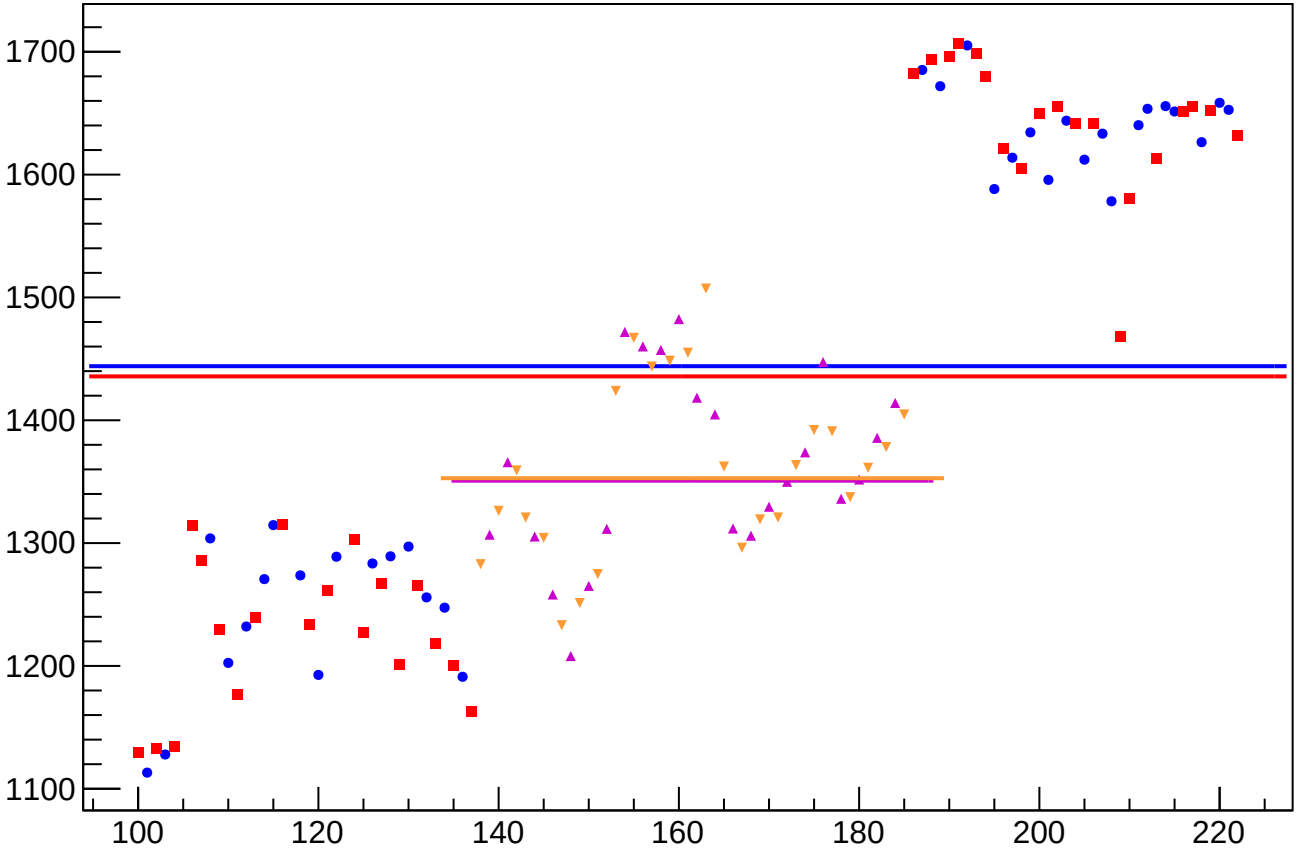
Right: -17.601+/-0.218 χ^2/NDF: 78881.9/71

In: 8.427+/-0.222 χ^2/NDF:18153.0/56

Out: -3.823+/-0.217 χ^2/NDF:88461.8/62

All: 2.183+/-0.155 χ^2/NDF: 108174.0/119

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: 1435.725+/-0.217 χ^2/NDF: 991567.3/37

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

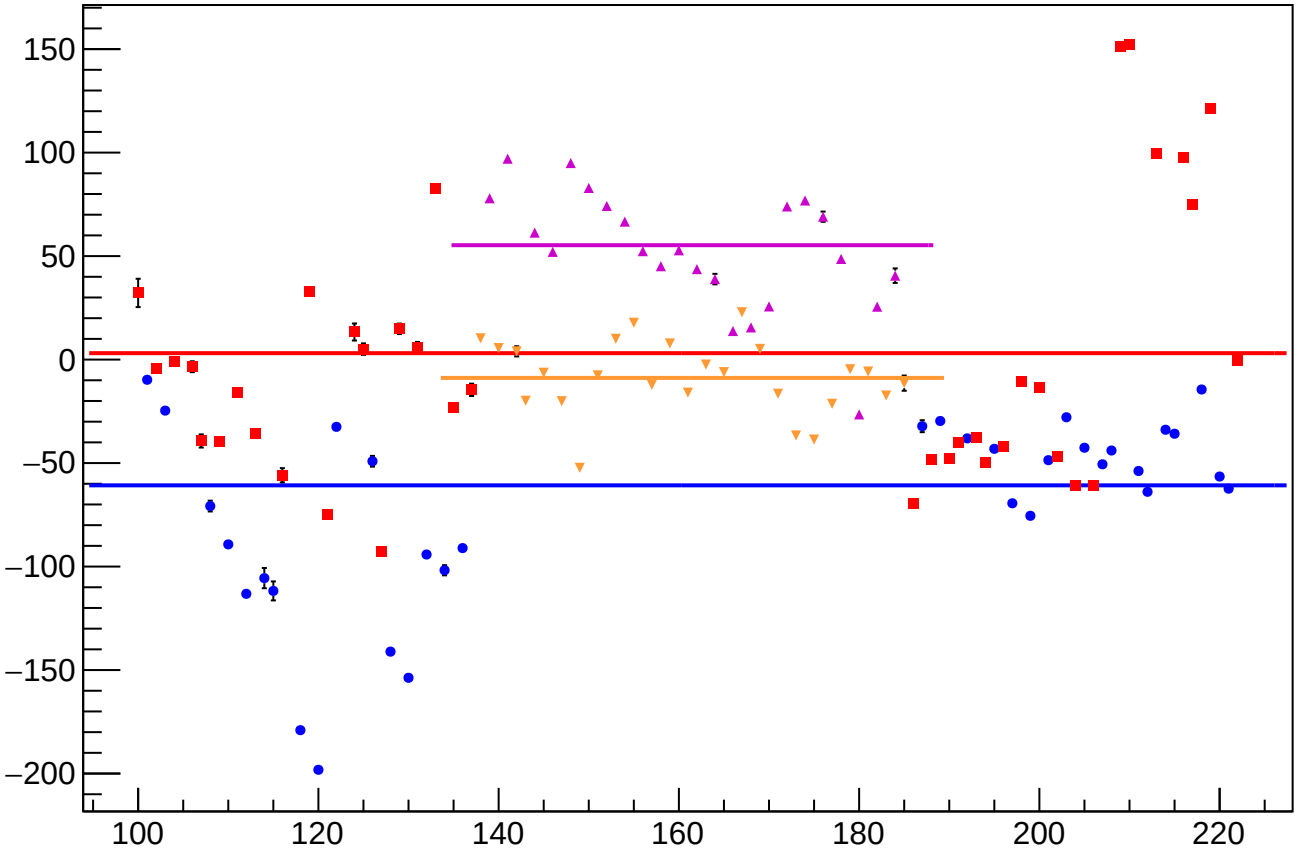
Right: 1439.817+/-0.154 χ^2/NDF: 1919967.8/71

In: 1398.251+/-0.157 χ^2/NDF:1124763.2/56

Out: 1394.455+/-0.154 χ^2/NDF:1169248.1/62

All: 1396.316+/-0.110 χ^2/NDF: 2294310.8/11

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: 3.102+/-0.307 χ^2/NDF: 50724.9/37

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

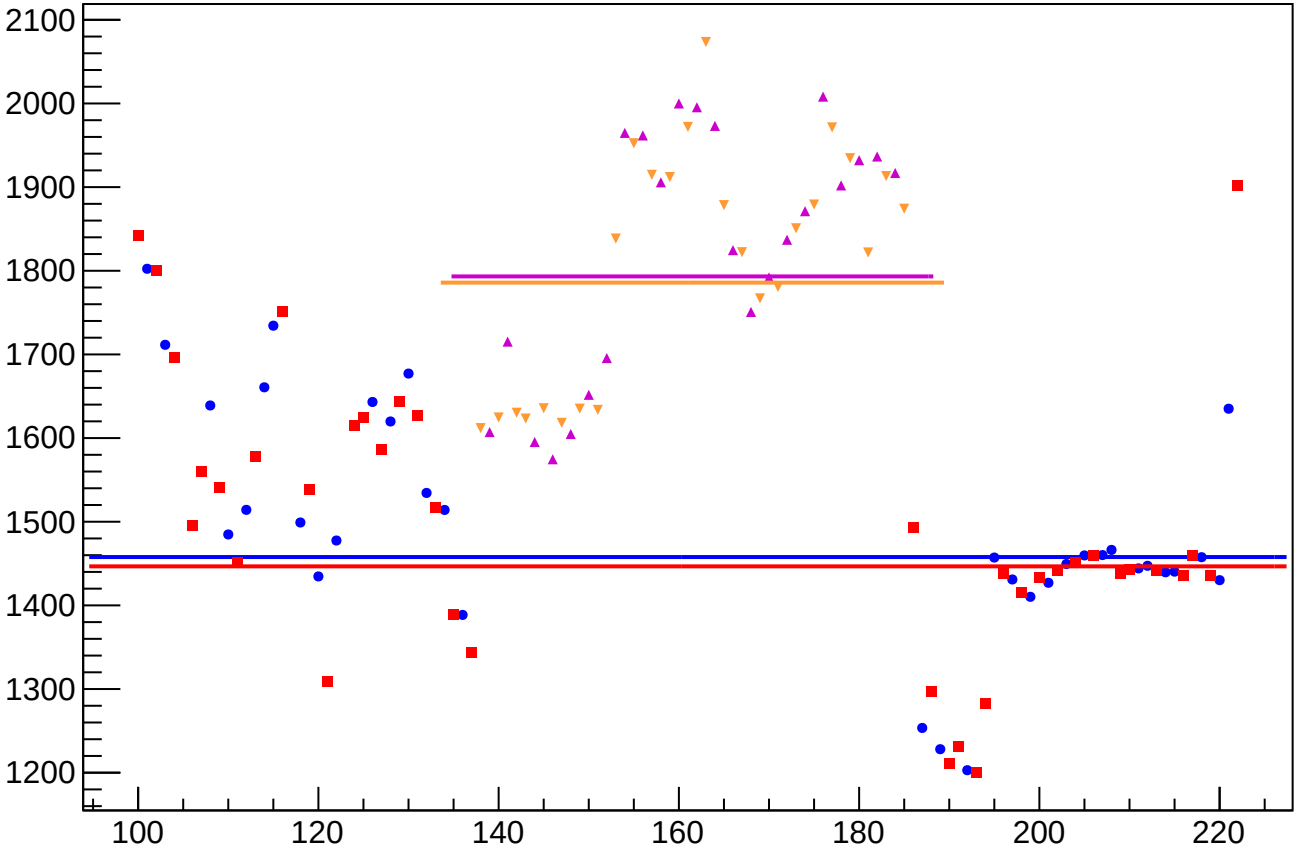
Right: -28.384+/-0.219 χ^2/NDF: 87770.6/71

In: -19.689+/-0.250 χ^2/NDF:69628.7/56

Out: -1.232+/-0.245 χ^2/NDF:53228.3/62

All: -10.272+/-0.175 χ^2/NDF: 125634.2/119

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: 1446.657+/-0.217 χ^2/NDF: 432612.8/37

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

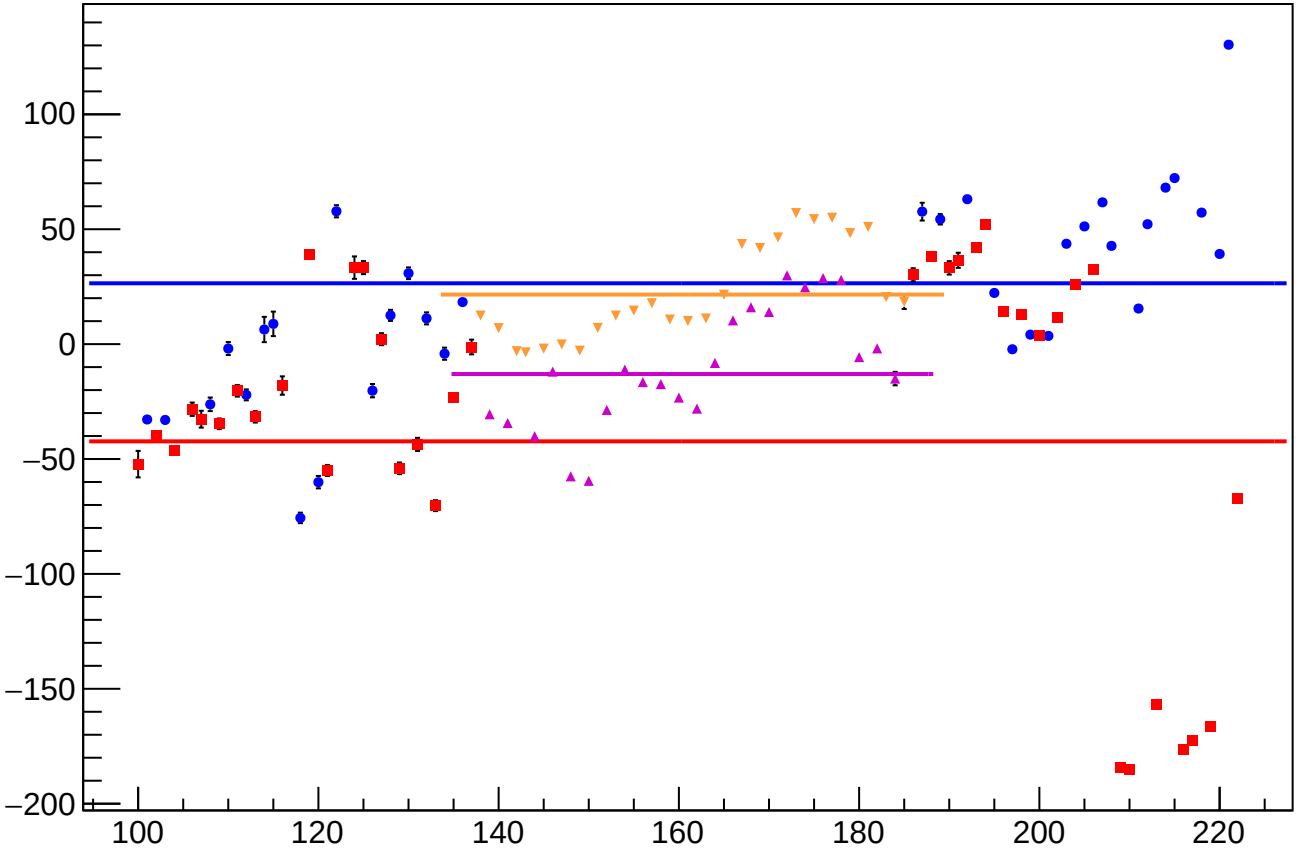
Right: 1452.145+/-0.155 χ^2/NDF: 741081.2/71

In: 1576.534+/-0.177 χ^2/NDF:1382345.1/56

Out: 1569.560+/-0.173 χ^2/NDF:1554761.9/62

All: 1572.976+/-0.124 χ^2/NDF: 2937899.9/11

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 26.473+/-0.358 χ^2/NDF: 13894.0/33

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -42.312+/-0.352 χ^2/NDF: 51781.8/37

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

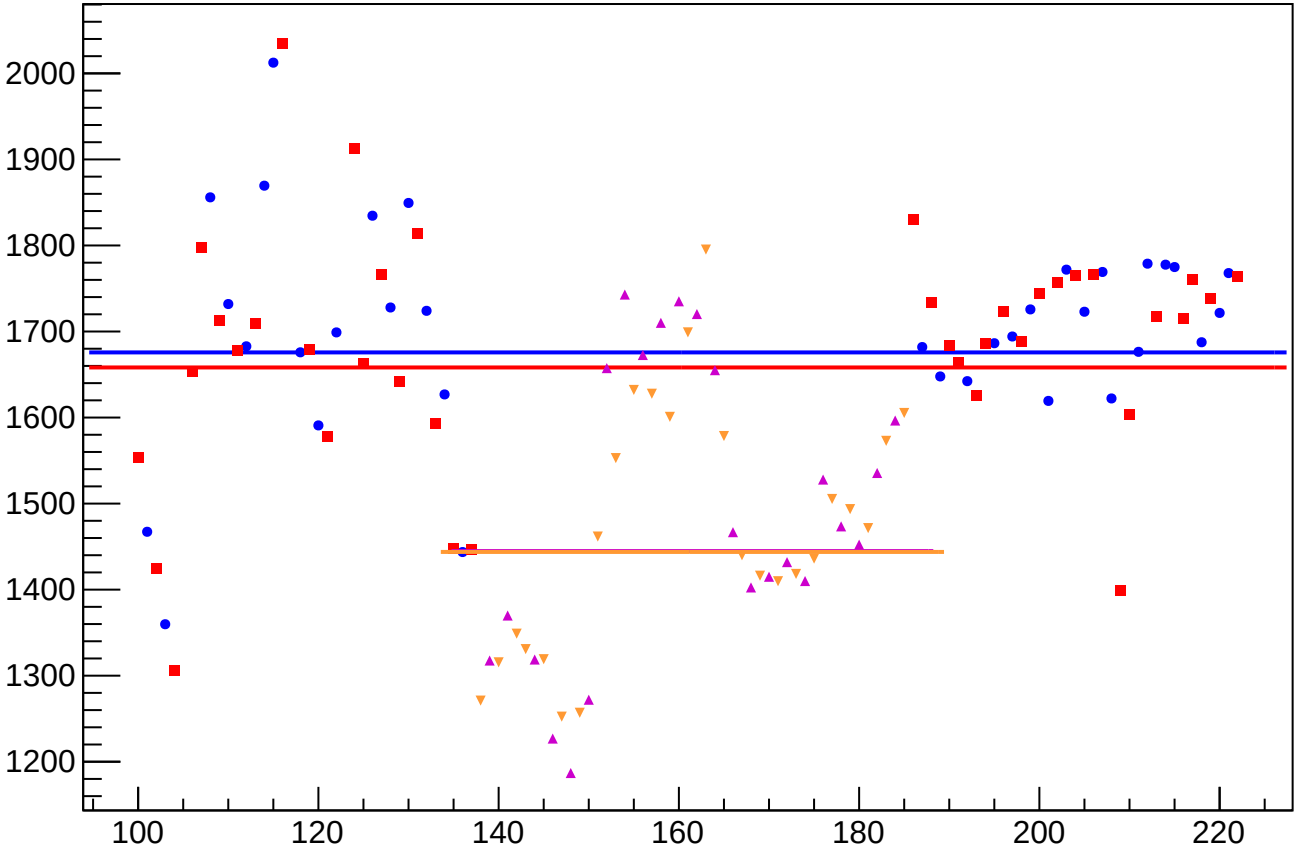
Right: -8.525+/-0.251 χ^2/NDF: 84479.9/71

In: 5.725+/-0.246 χ^2/NDF:26920.7/56

Out: -8.347+/-0.241 χ^2/NDF:73497.9/62

All: -1.482+/-0.172 χ^2/NDF: 102087.5/119

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: 1658.220+/-0.249 χ^2/NDF: 301628.8/37

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

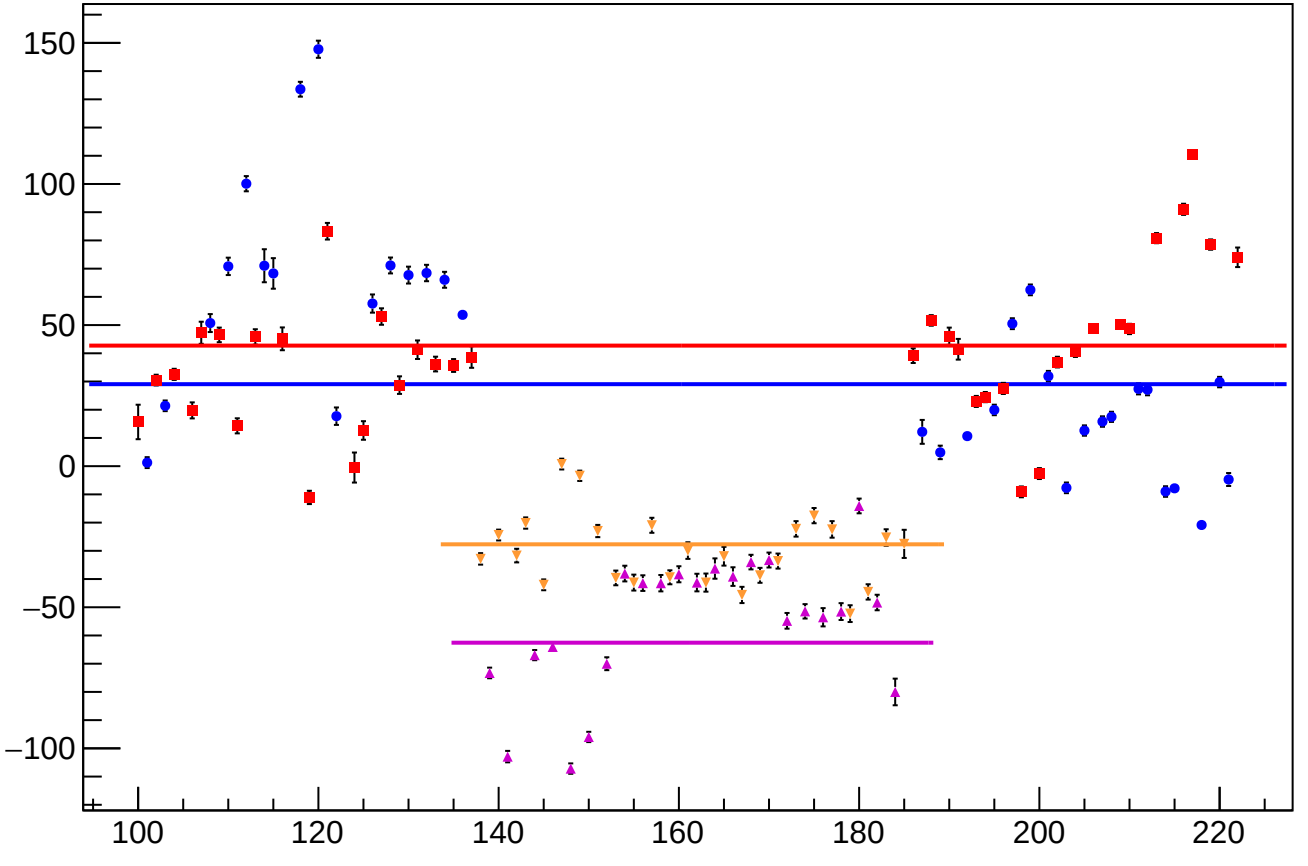
Right: 1666.808+/-0.177 χ^2/NDF: 522610.1/71

In: 1554.383+/-0.174 χ^2/NDF:1141373.1/56

Out: 1544.222+/-0.170 χ^2/NDF:1049527.1/62

All: 1549.180+/-0.122 χ^2/NDF: 2192640.9/11

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: 42.726+/-0.374 χ^2/NDF: 5732.7/37

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

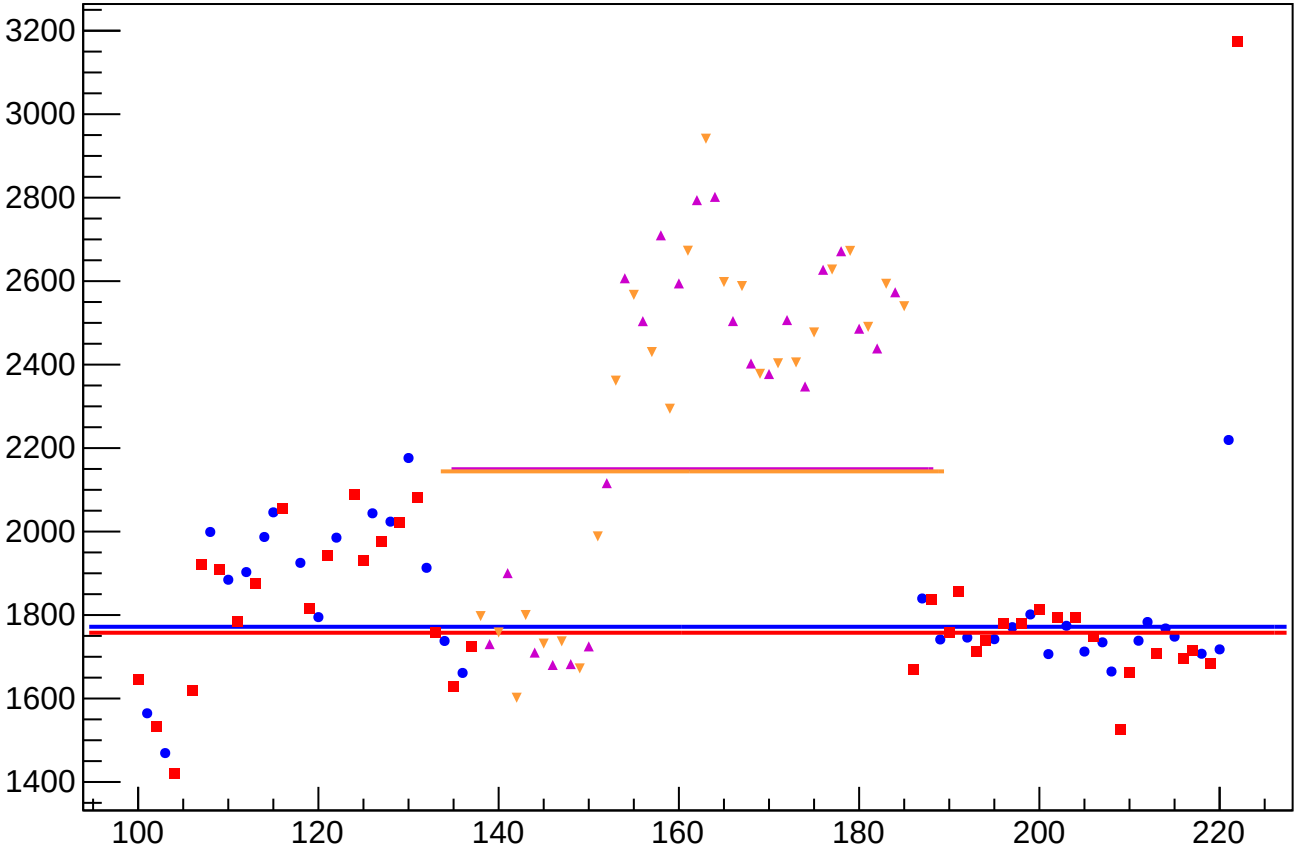
Right: 35.987+/-0.266 χ^2/NDF: 14854.0/71

In: -3.416+/-0.305 χ^2/NDF:31610.1/56

Out: 17.206+/-0.299 χ^2/NDF:19348.7/62

All: 7.102+/-0.213 χ^2/NDF: 53295.3/119

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: 1757.574+/-0.264 χ^2/NDF: 588878.7/37

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

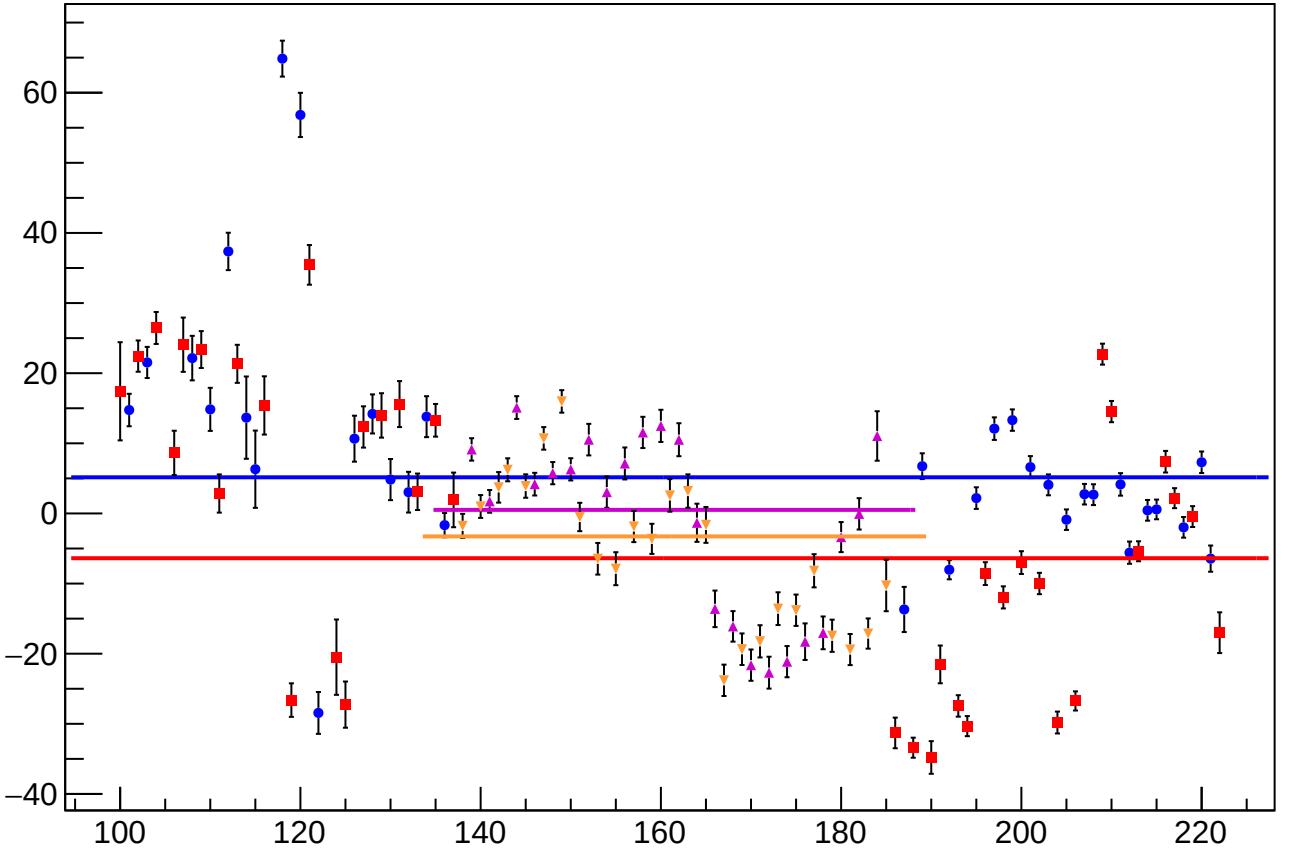
Right: 1764.620+/-0.188 χ^2/NDF: 882380.3/71

In: 1905.666+/-0.215 χ^2/NDF:2260300.6/56

Out: 1897.701+/-0.211 χ^2/NDF:2643515.0/62

All: 1901.603+/-0.151 χ^2/NDF: 4904512.9/11

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: -6.383+/-0.324 χ^2/NDF: 3616.2/37

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

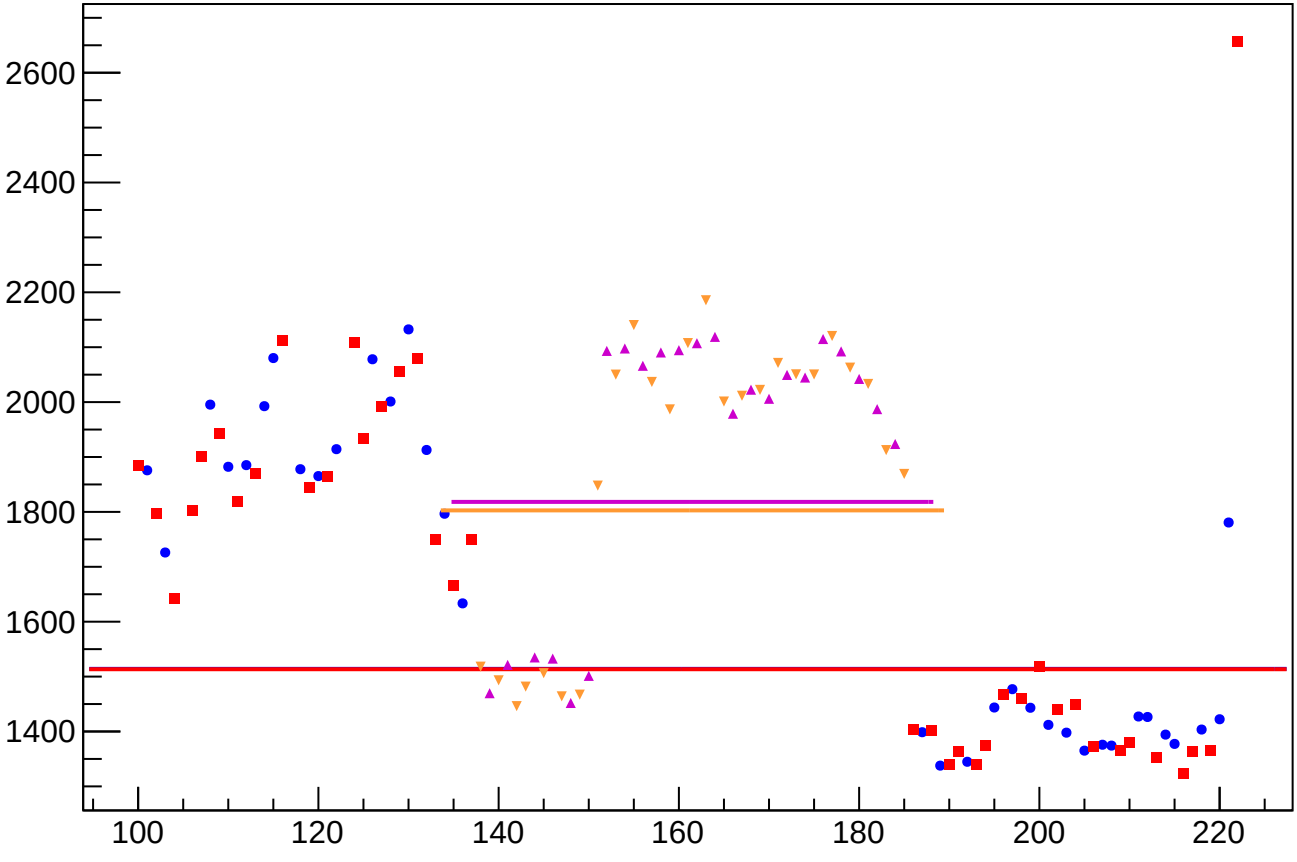
Right: -0.653+/-0.230 χ^2/NDF: 5814.3/71

In: 3.457+/-0.260 χ^2/NDF:2388.4/56

Out: -5.205+/-0.255 χ^2/NDF:4322.2/62

All: -0.950+/-0.182 χ^2/NDF: 7275.9/119

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: 1513.425+/-0.229 χ^2/NDF: 1119735.9/37

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

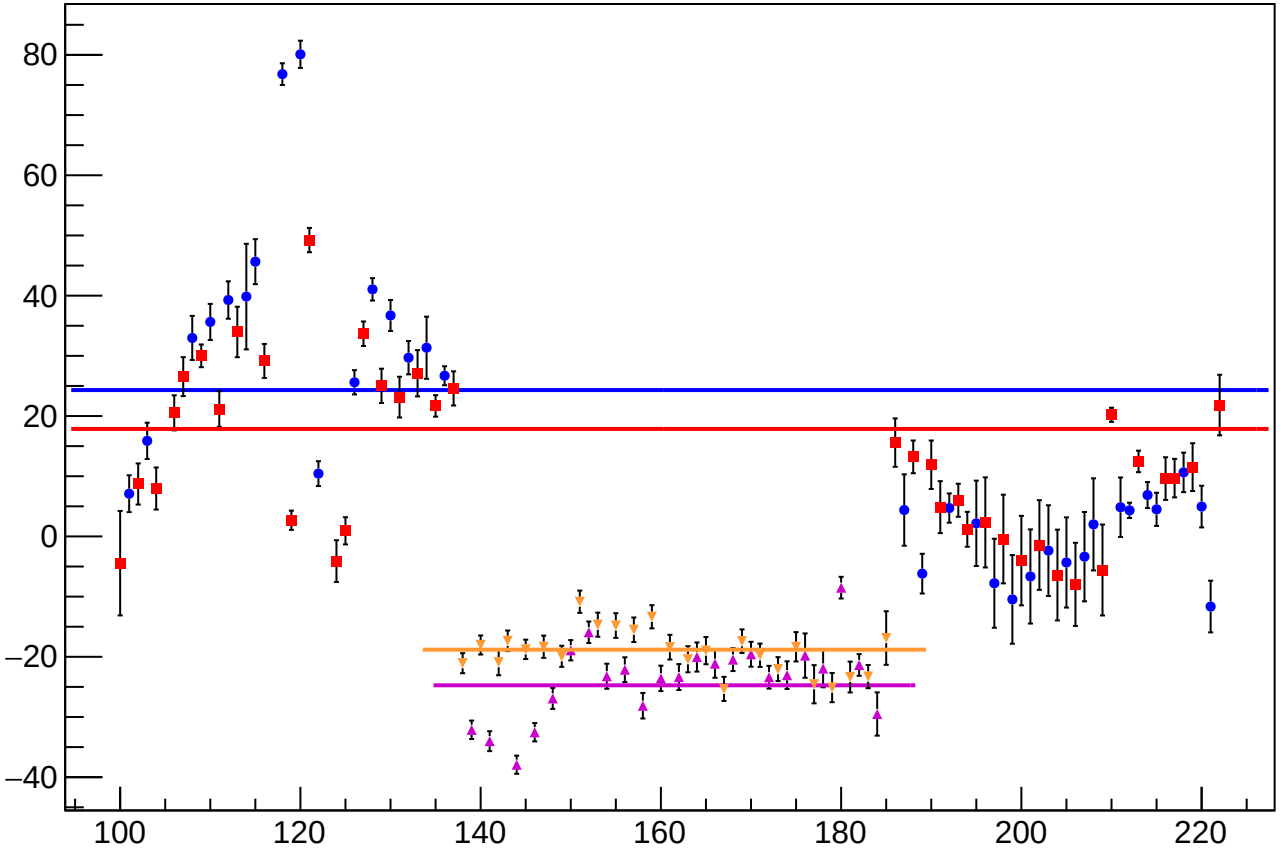
Right: 1513.743+/-0.163 χ^2/NDF: 1952195.1/71

In: 1625.252+/-0.184 χ^2/NDF:2308334.4/56

Out: 1623.128+/-0.181 χ^2/NDF:2621654.4/62

All: 1624.171+/-0.129 χ^2/NDF: 4930056.8/11

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: 17.860+/-0.454 χ^2/NDF: 770.6/37

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

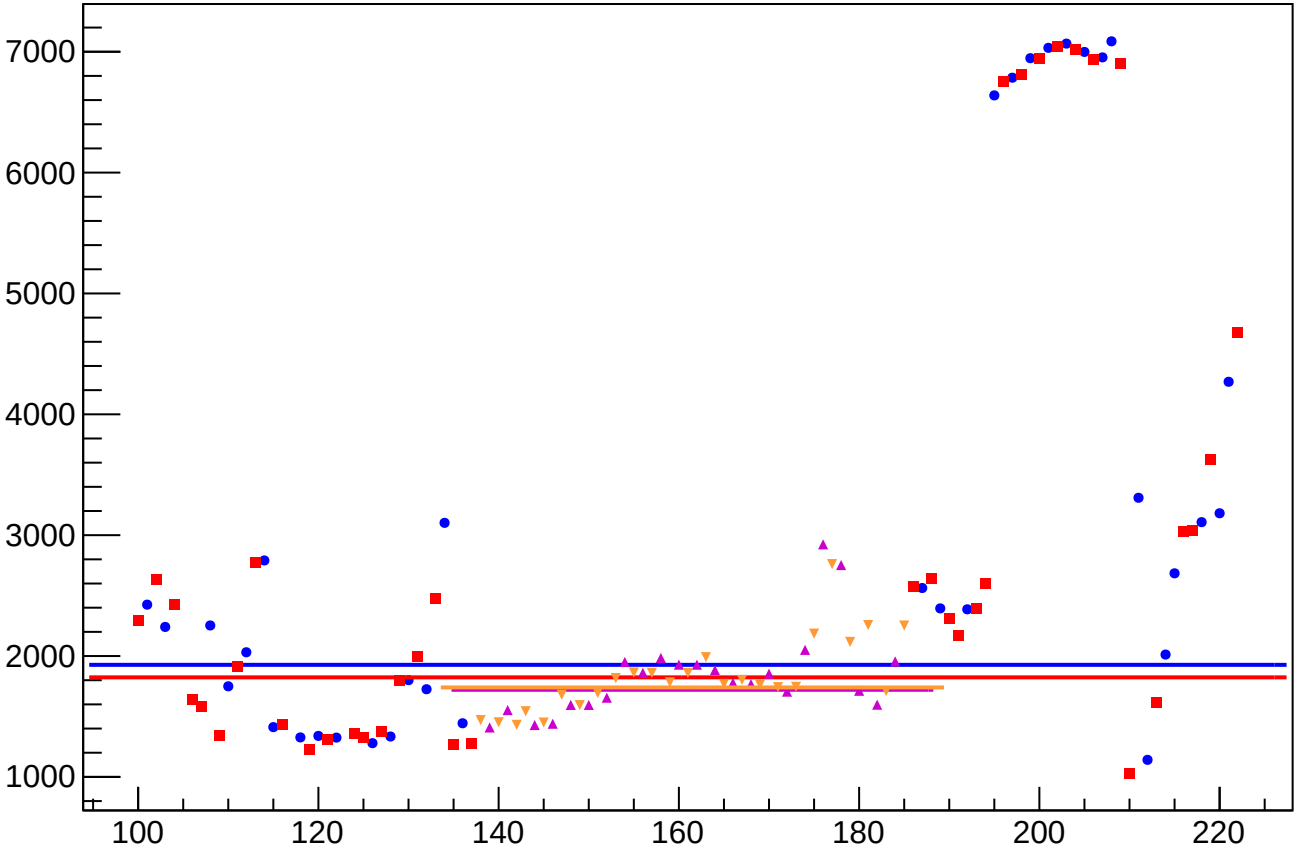
Right: 20.872+/-0.331 χ^2/NDF: 3365.2/71

In: -4.368+/-0.313 χ^2/NDF:8785.3/56

Out: -2.690+/-0.301 χ^2/NDF:4506.7/62

All: -3.497+/-0.217 χ^2/NDF: 13306.9/119

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: 1823.579+/-0.321 χ^2/NDF: 11149288.0/37

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

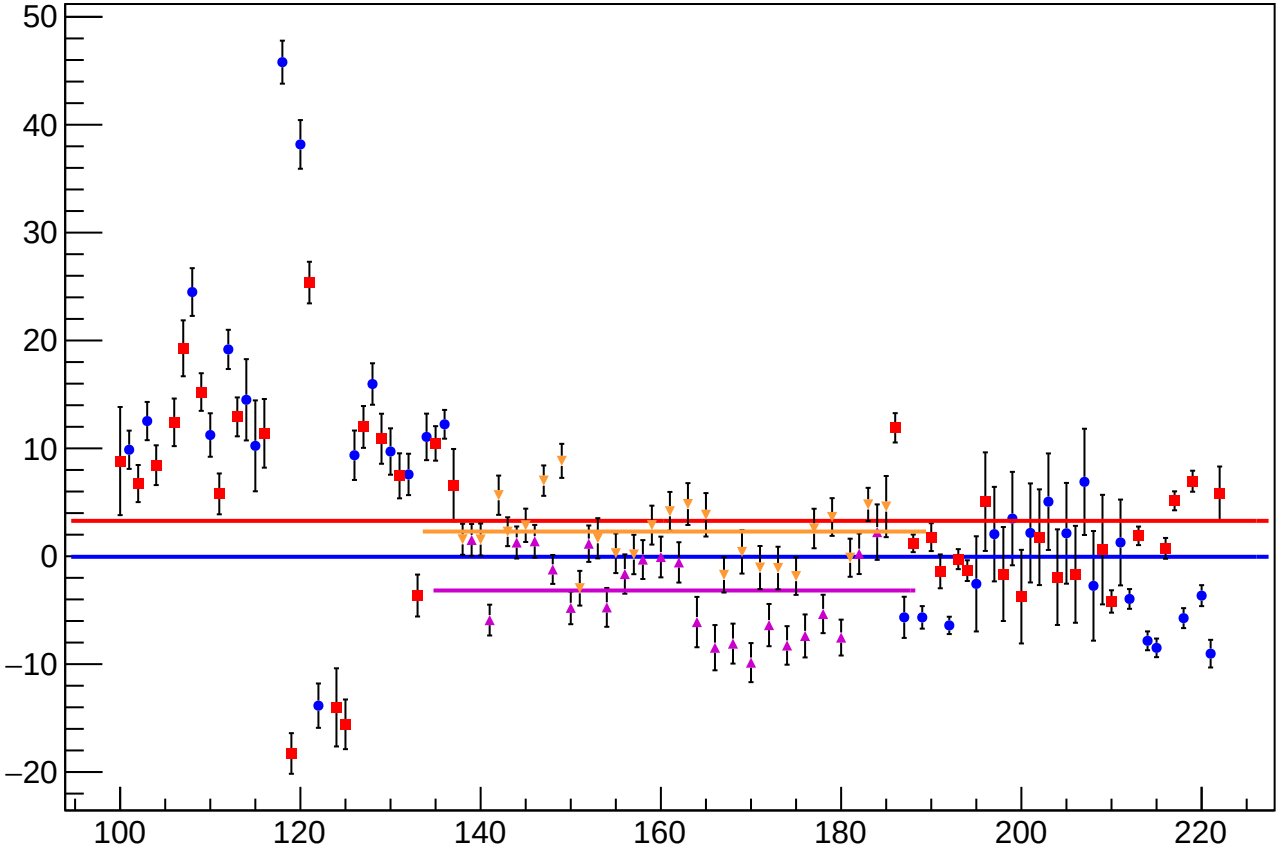
Right: 1871.939+/-0.234 χ^2/NDF: 22120289.2/71

In: 1806.545+/-0.221 χ^2/NDF:12017926.5/56

Out: 1776.799+/-0.213 χ^2/NDF:11940611.4/62

All: 1791.102+/-0.153 χ^2/NDF: 23967939.2/

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: 3.281+/-0.252 χ^2/NDF: 755.9/37

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

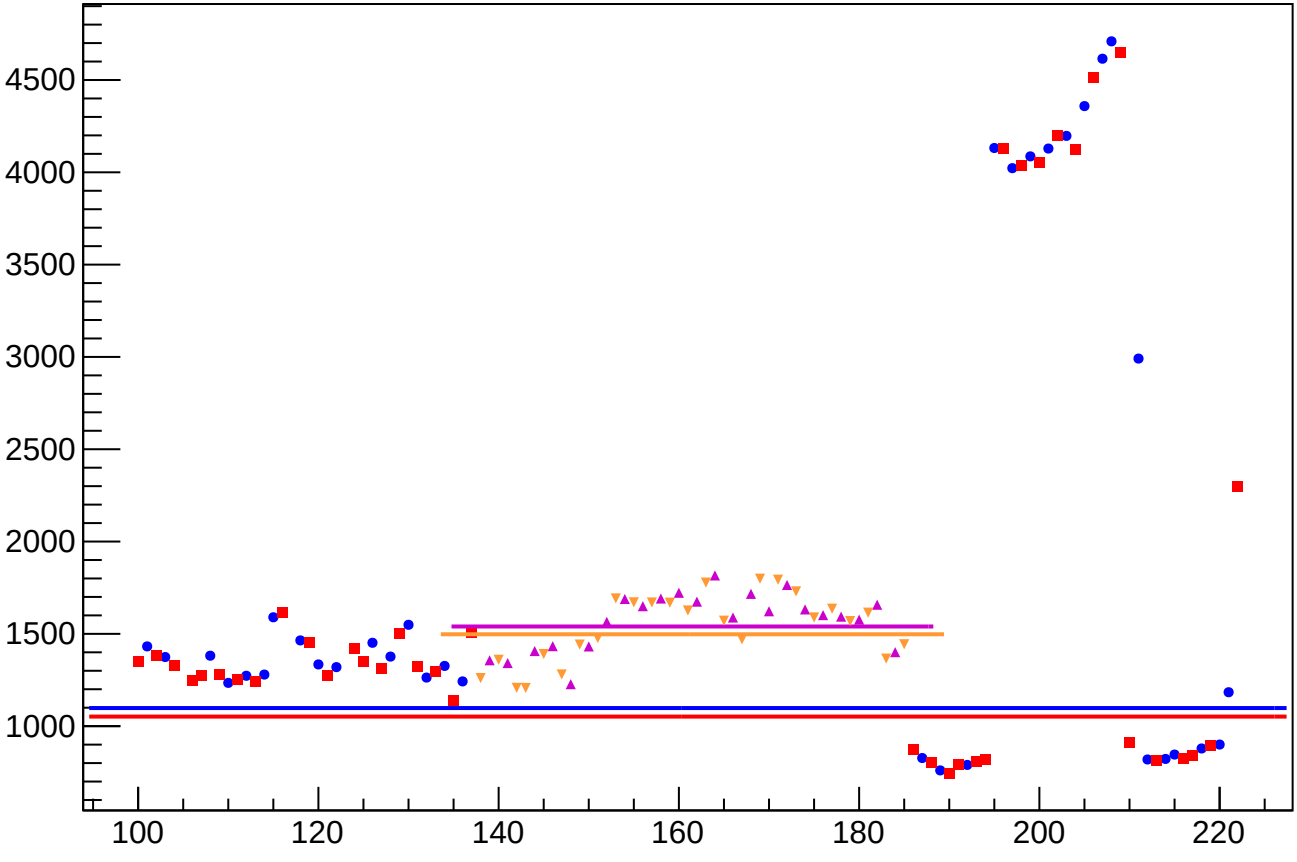
Right: 1.728+/-0.184 χ^2/NDF: 2701.8/71

In: -1.160+/-0.216 χ^2/NDF:2022.5/56

Out: 2.936+/-0.203 χ^2/NDF:834.8/62

All: 1.016+/-0.148 χ^2/NDF: 3048.1/119

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: 1051.863+/-0.178 χ^2/NDF: 9247696.6/37

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

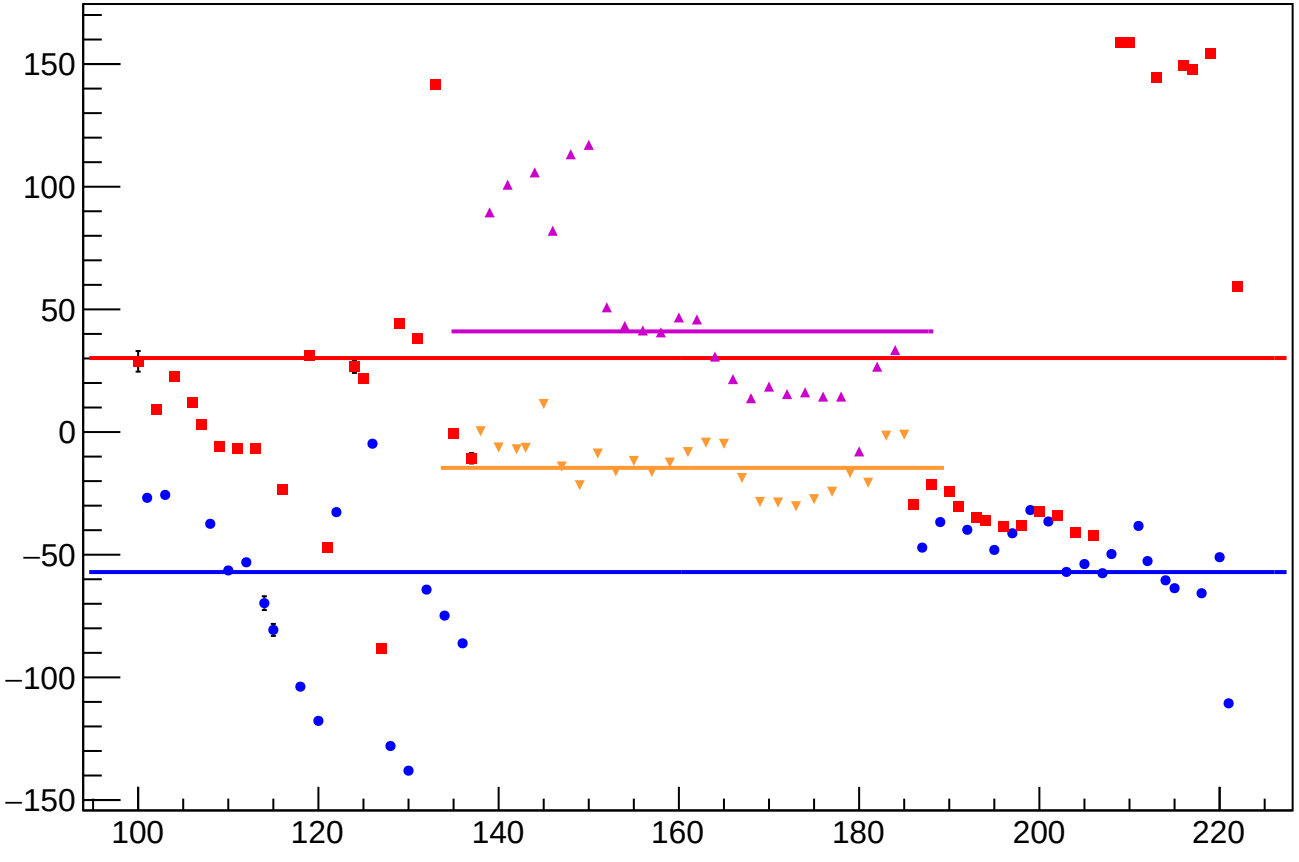
Right: 1073.438+/-0.130 χ^2/NDF: 19224747.3/71

In: 1255.202+/-0.153 χ^2/NDF:12240673.8/56

Out: 1207.667+/-0.144 χ^2/NDF:12008632.2/62

All: 1229.952+/-0.105 χ^2/NDF: 24300697.8/

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -57.075+/-0.150 χ^2/NDF: 26121.5/33

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 30.168+/-0.149 χ^2/NDF: 303062.0/37

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

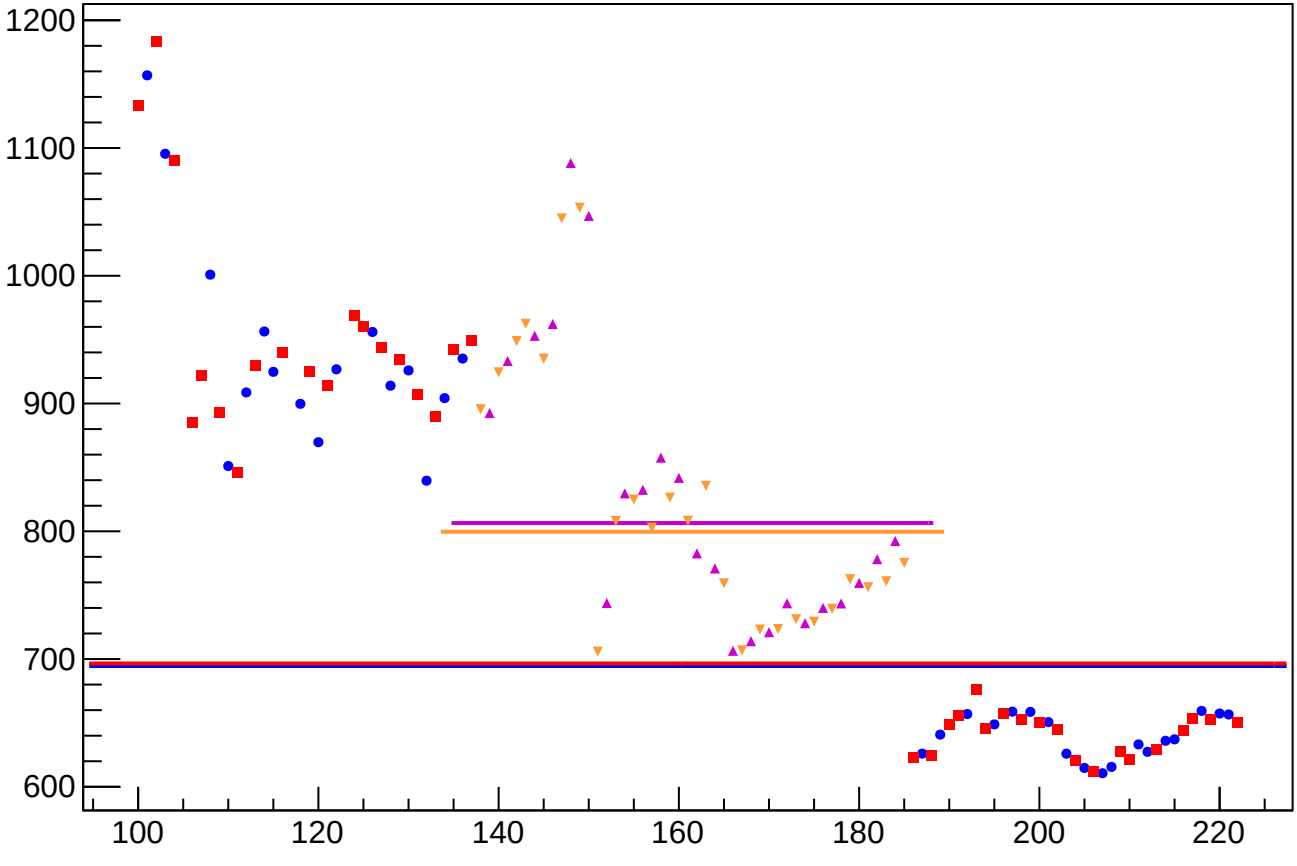
Right: -13.256+/-0.106 χ^2/NDF: 499140.5/71

In: -19.363+/-0.118 χ^2/NDF:221653.2/56

Out: 12.272+/-0.116 χ^2/NDF:342160.7/62

All: -3.274+/-0.082 χ^2/NDF: 600573.6/119

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 694.525+/-0.106 χ^2/NDF: 1306583.8/33

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 696.537+/-0.106 χ^2/NDF: 1363628.5/37

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

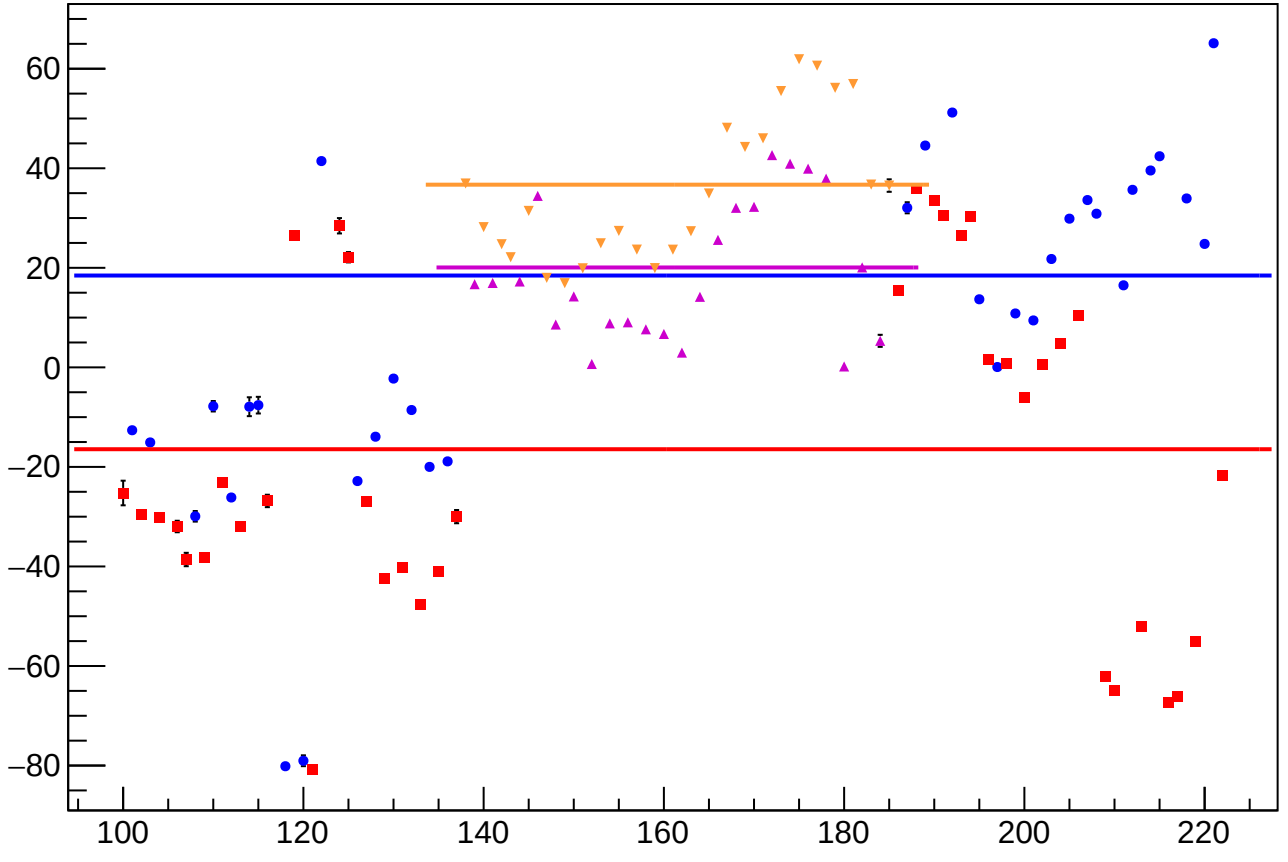
Right: 695.536+/-0.075 χ^2/NDF: 2670392.9/71

In: 737.564+/-0.083 χ^2/NDF:2246298.8/56

Out: 737.754+/-0.082 χ^2/NDF:2242344.8/62

All: 737.661+/-0.058 χ^2/NDF: 4488646.2/119

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: -16.445+/-0.112 χ^2/NDF: 99189.0/37

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

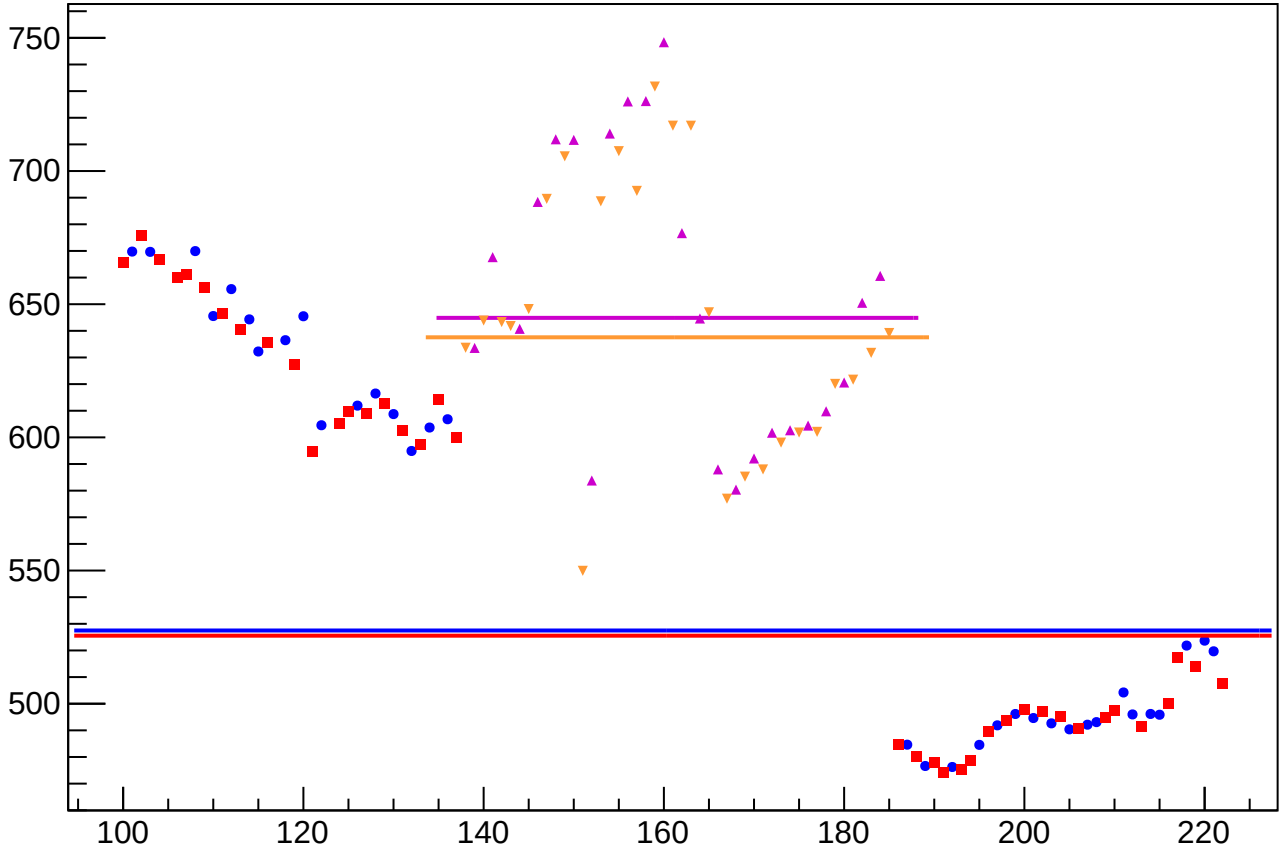
Right: 0.807+/-0.079 χ^2/NDF: 211092.8/71

In: 19.030+/-0.090 χ^2/NDF:72225.6/56

Out: 3.260+/-0.089 χ^2/NDF:193469.3/62

All: 10.976+/-0.063 χ^2/NDF: 281213.5/119

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: 525.548+/-0.079 χ^2/NDF: 577885.2/37

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

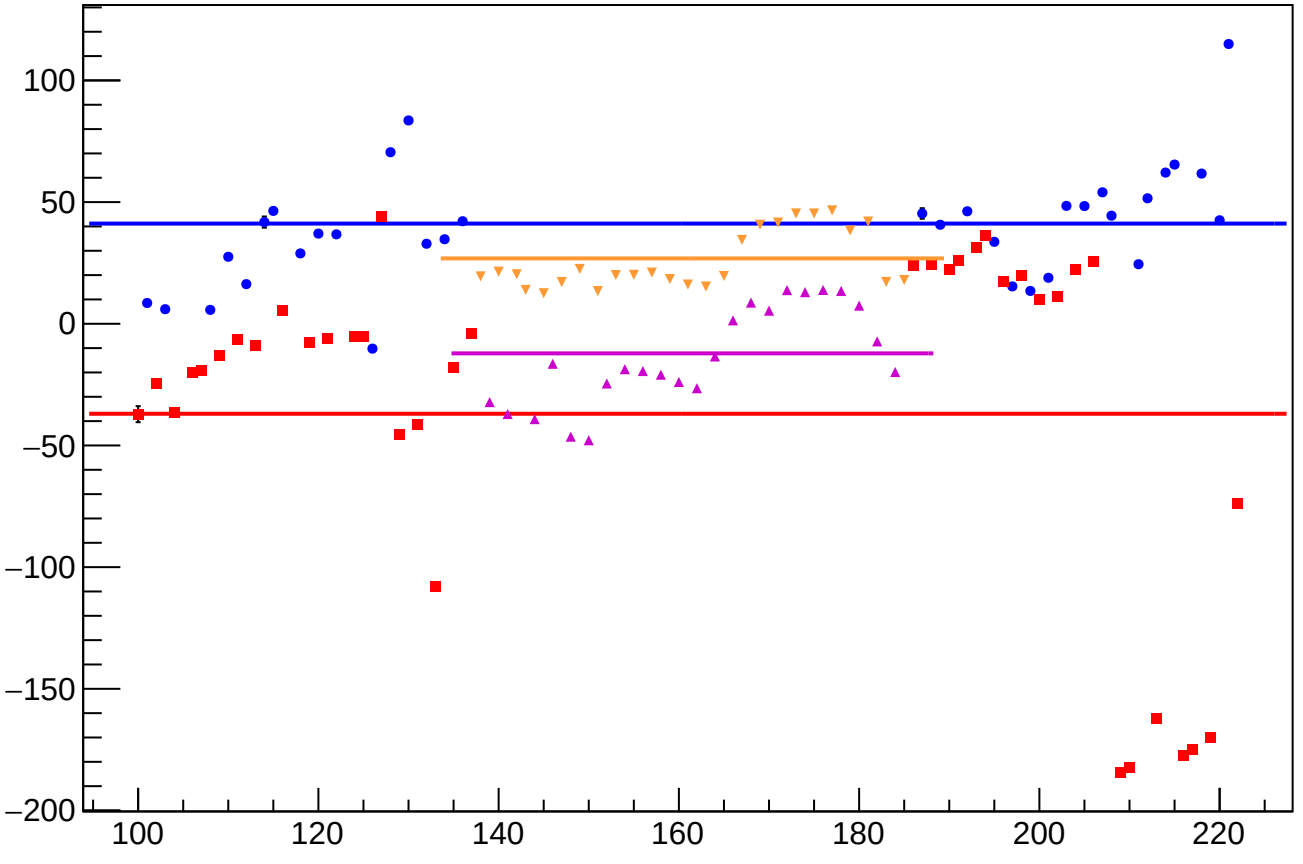
Right: 526.509+/-0.056 χ^2/NDF: 1120924.4/71

In: 569.493+/-0.064 χ^2/NDF:1545995.7/56

Out: 567.080+/-0.063 χ^2/NDF:1561160.0/62

All: 568.261+/-0.045 χ^2/NDF: 3107882.8/119

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: -36.968+/-0.186 χ^2/NDF: 160181.9/37

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

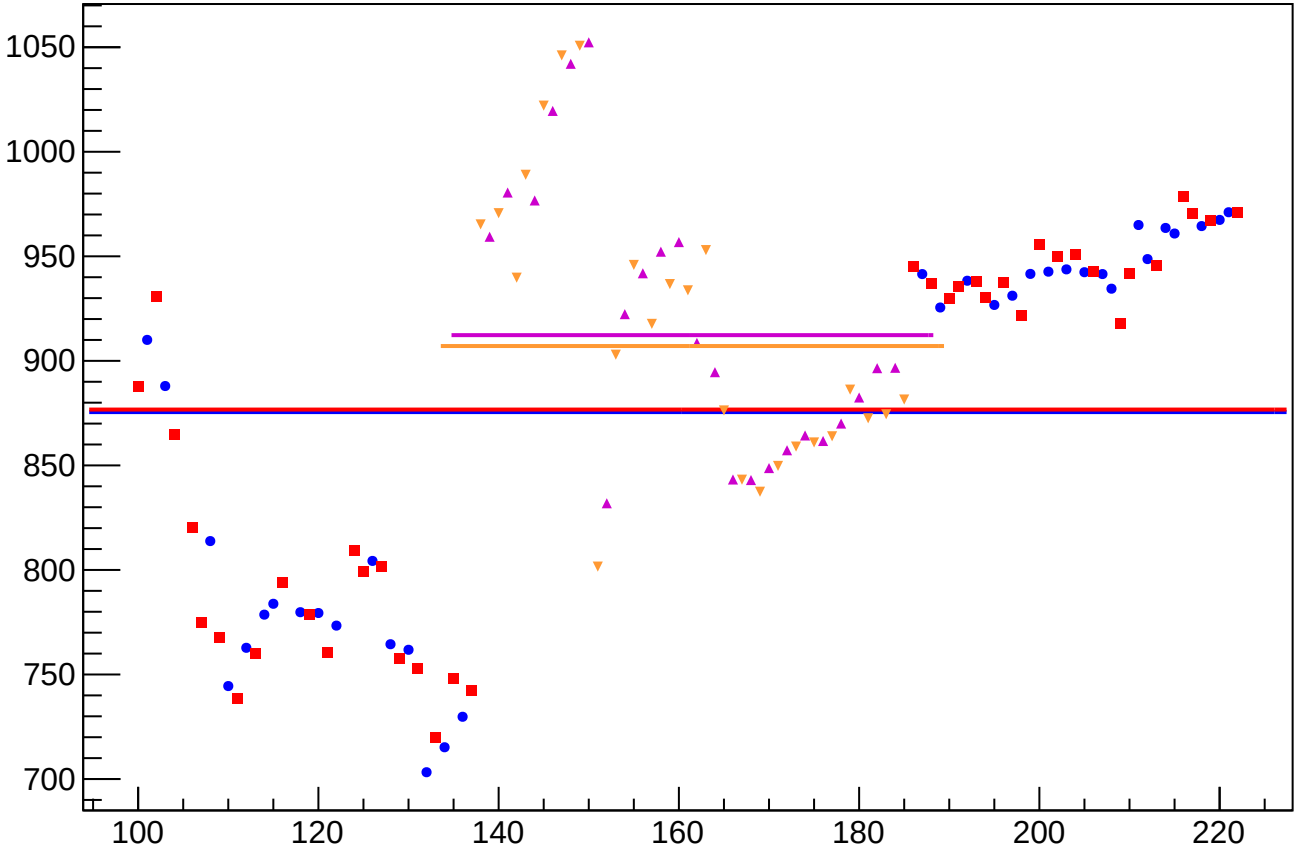
Right: 1.826+/-0.132 χ^2/NDF: 265256.0/71

In: 18.003+/-0.141 χ^2/NDF:61194.8/56

Out: -8.408+/-0.138 χ^2/NDF:216288.8/62

All: 4.551+/-0.099 χ^2/NDF: 295393.0/119

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: 876.708+/-0.131 χ^2/NDF: 450916.7/37

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

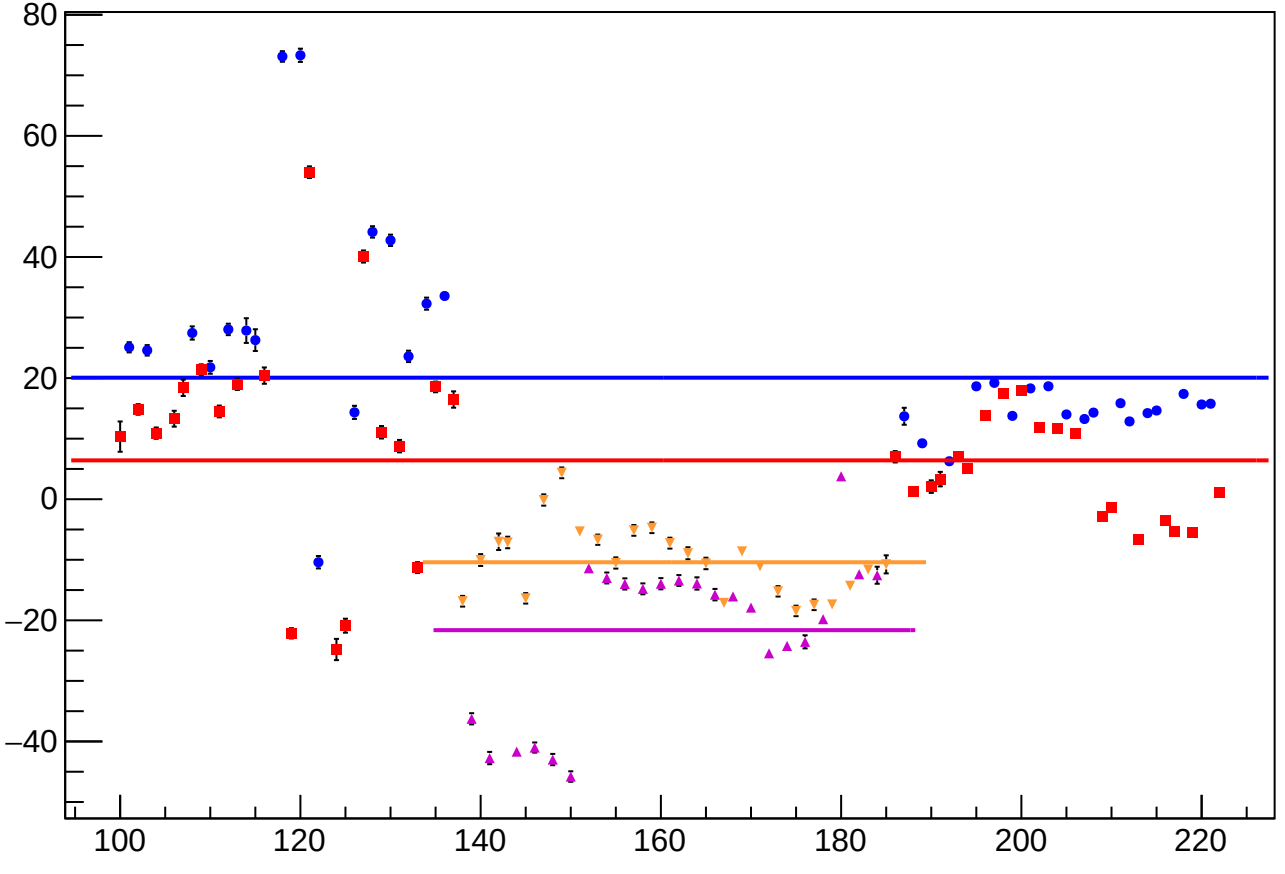
Right: 876.107+/-0.093 χ^2/NDF: 944215.3/71

In: 891.486+/-0.100 χ^2/NDF:701523.8/56

Out: 890.301+/-0.098 χ^2/NDF:669404.7/62

All: 890.883+/-0.070 χ^2/NDF: 1371000.6/119

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: 6.414+/-0.129 χ^2/NDF: 9972.1/37

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

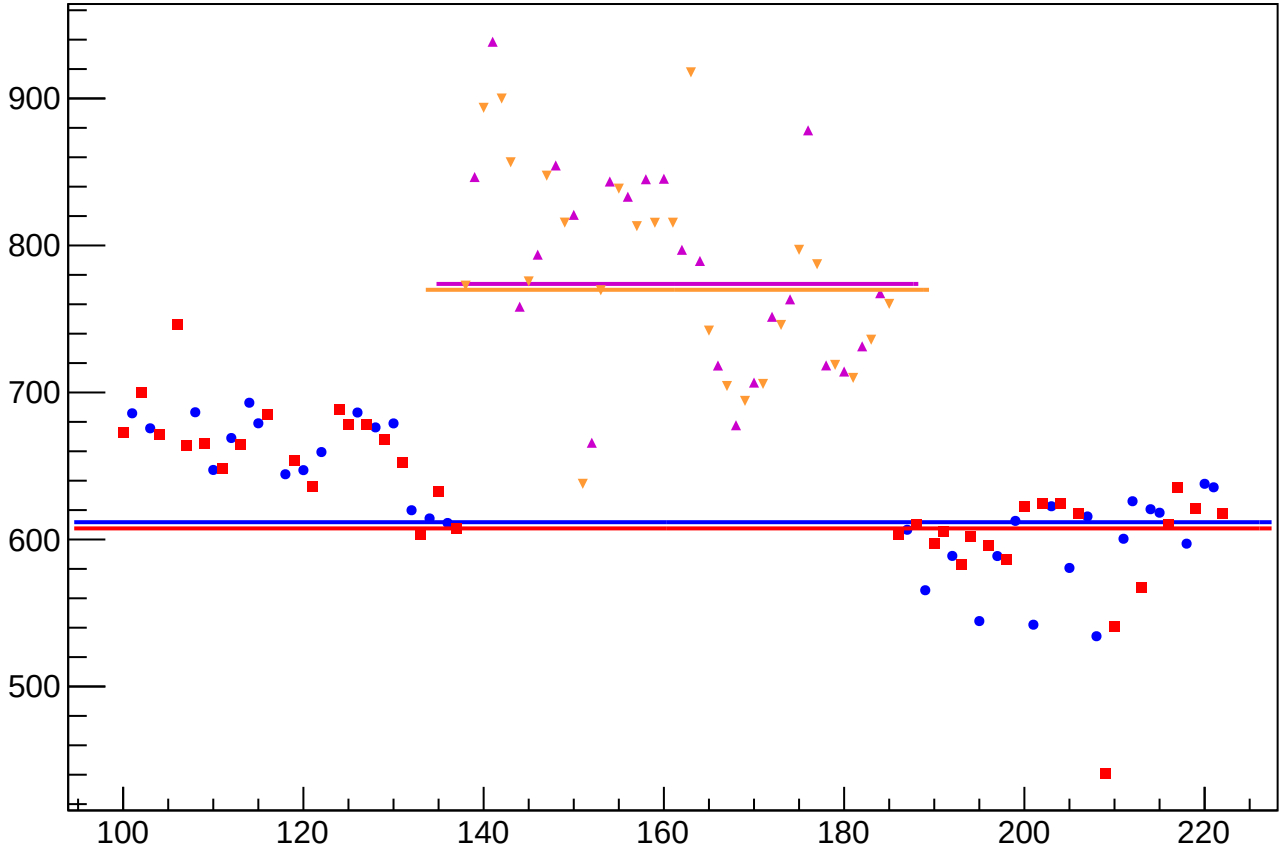
Right: 13.147+/-0.092 χ^2/NDF: 26048.3/71

In: 5.859+/-0.106 χ^2/NDF:50406.9/56

Out: 0.533+/-0.104 χ^2/NDF:16954.2/62

All: 3.142+/-0.074 χ^2/NDF: 68643.7/119

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: 607.536+/-0.091 χ^2/NDF: 414159.2/37

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

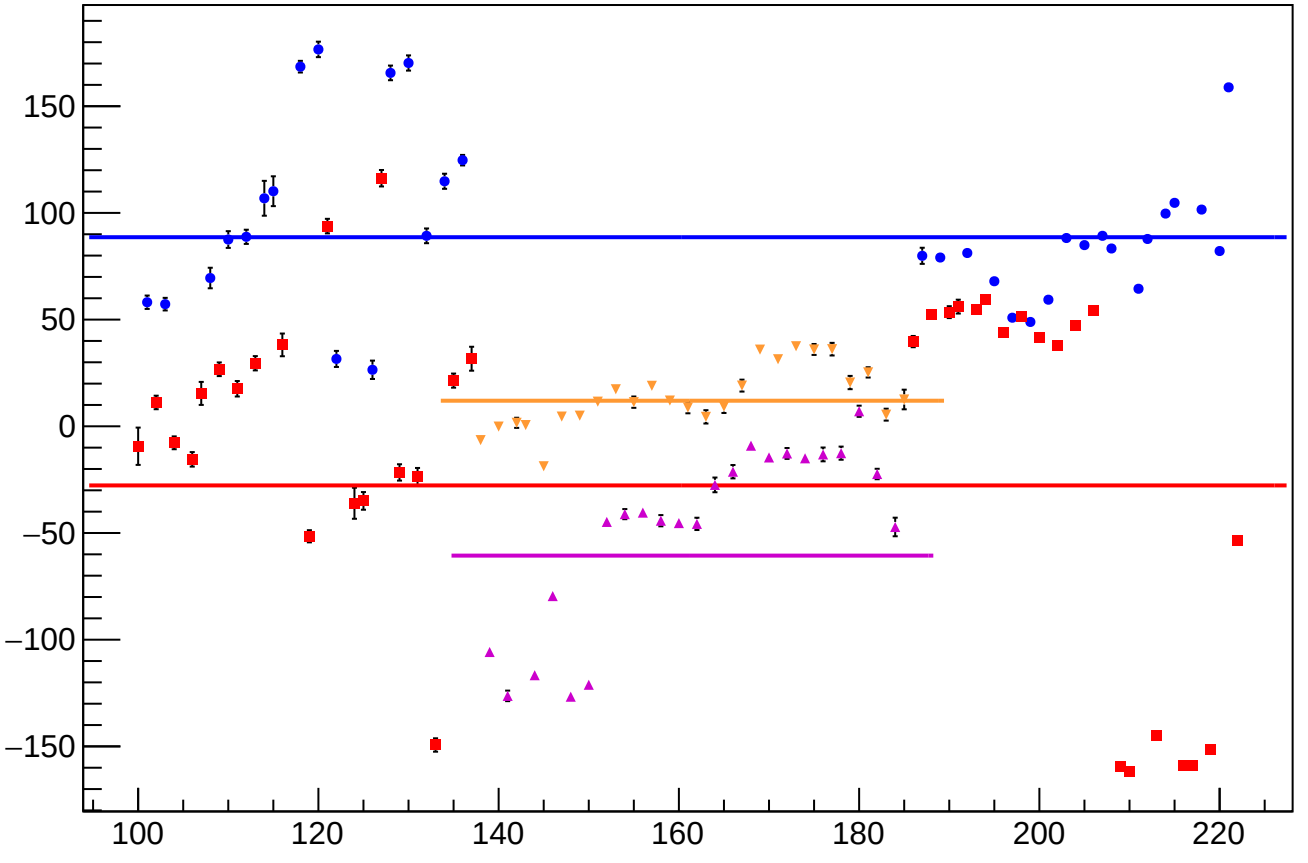
Right: 609.622+/-0.065 χ^2/NDF: 619101.6/71

In: 667.006+/-0.075 χ^2/NDF:1533003.9/56

Out: 664.290+/-0.074 χ^2/NDF:1824941.7/62

All: 665.620+/-0.053 χ^2/NDF: 3358612.8/119

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 88.613+/-0.388 χ^2/NDF: 6771.8/33

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -27.707+/-0.380 χ^2/NDF: 60107.9/37

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

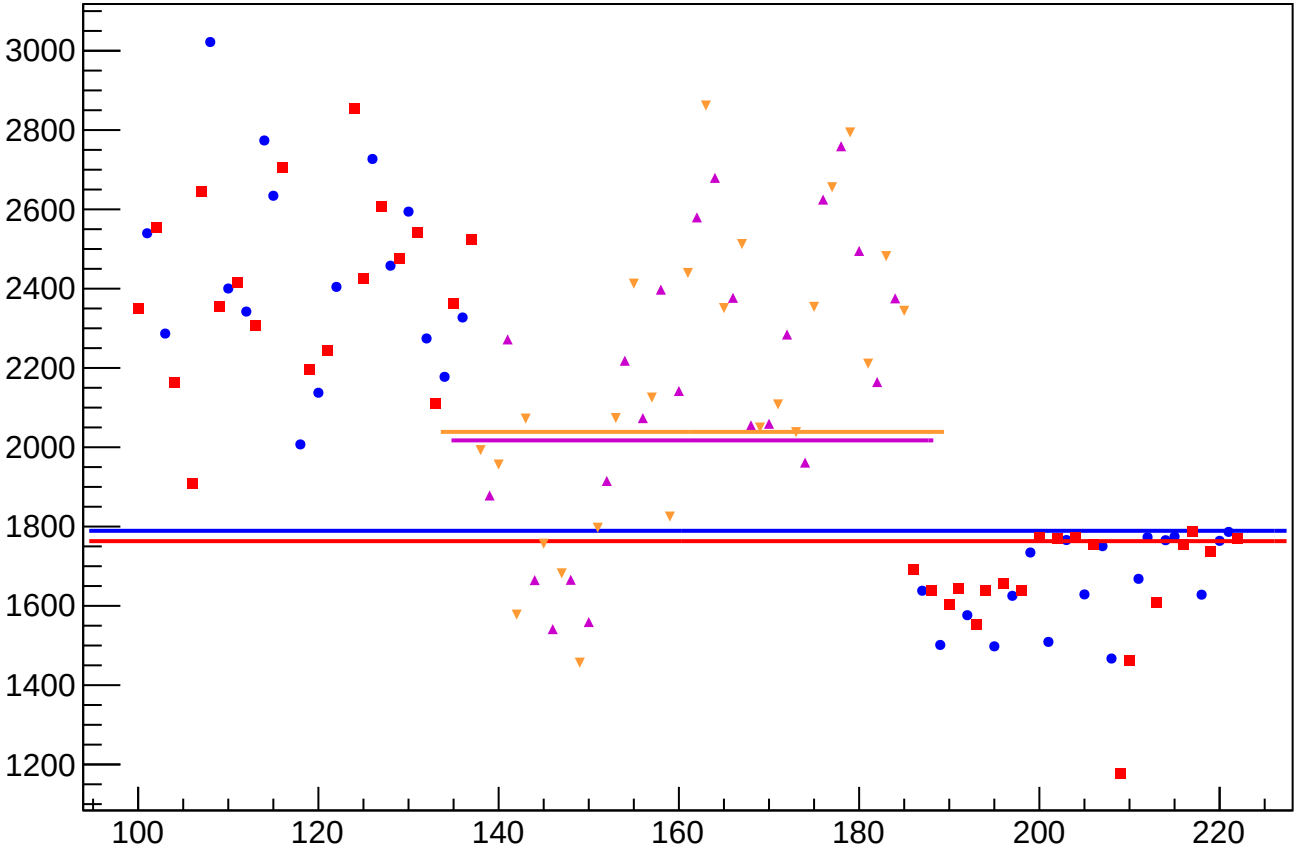
Right: 29.237+/-0.272 χ^2/NDF: 112685.6/71

In: 29.726+/-0.302 χ^2/NDF:73684.4/56

Out: -12.064+/-0.296 χ^2/NDF:65349.1/62

All: 8.404+/-0.211 χ^2/NDF: 148795.9/119

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: 1763.225+/-0.269 χ^2/NDF: 1598735.9/37

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

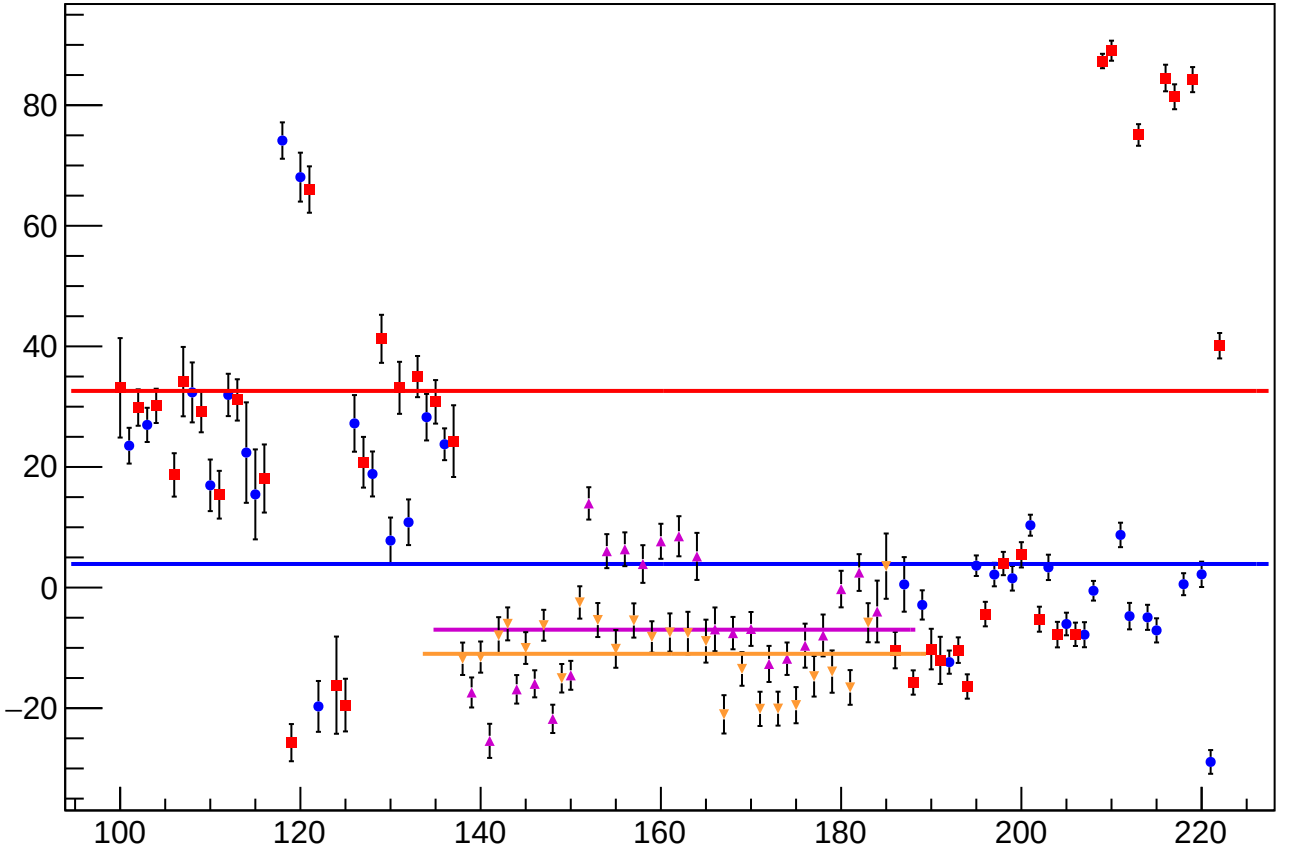
Right: 1775.987+/-0.192 χ^2/NDF: 2920899.4/71

In: 1879.289+/-0.214 χ^2/NDF:2639817.6/56

Out: 1871.813+/-0.209 χ^2/NDF:3136102.2/62

All: 1875.475+/-0.150 χ^2/NDF: 5776544.7/11

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: 32.614+/-0.411 χ^2/NDF: 10134.4/37

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

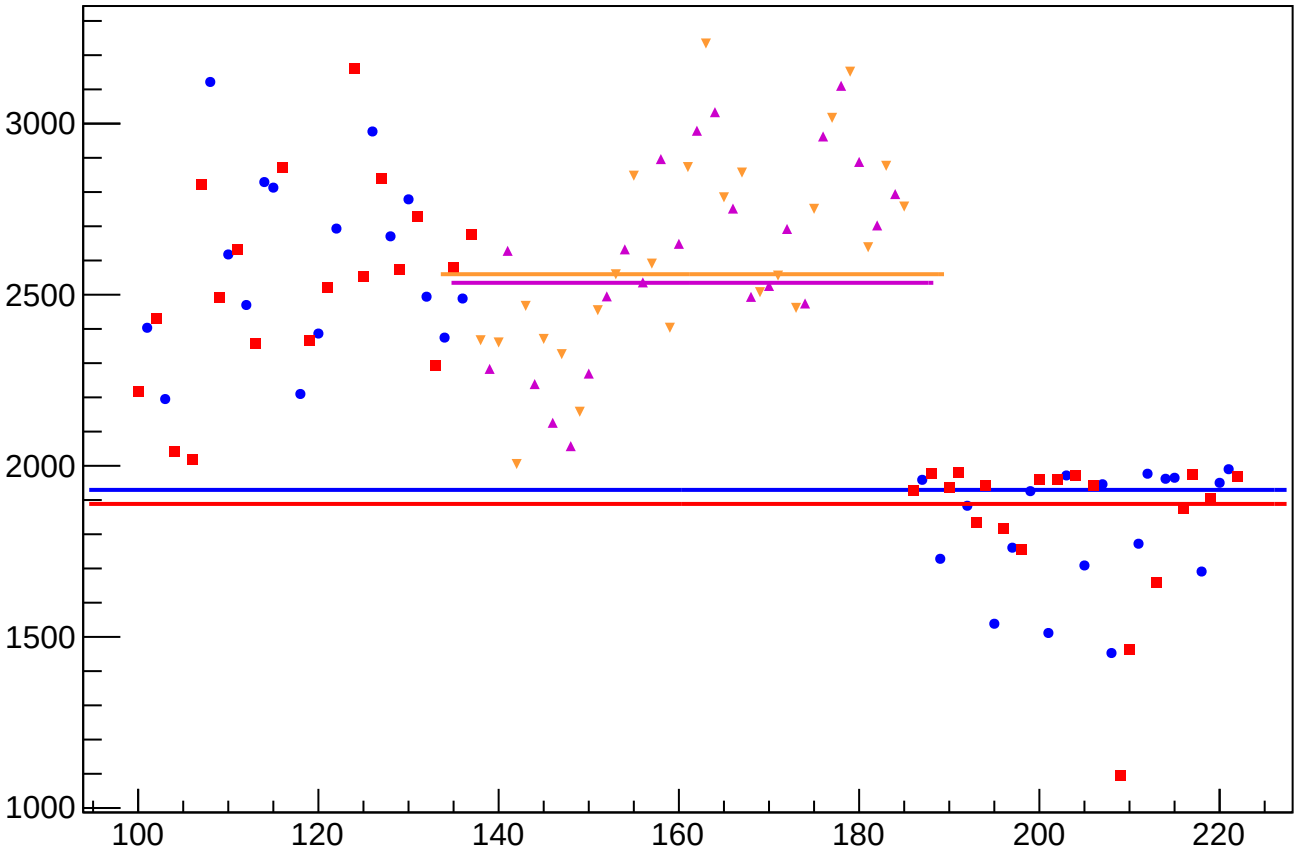
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 18.624+/-0.294 χ^2/NDF: 14217.9/71

In: 0.304+/-0.344 χ^2/NDF:2263.6/56

Out: 18.252+/-0.336 χ^2/NDF:13935.4/62

All: 9.492+/-0.241 χ^2/NDF: 17589.4/119



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: 1888.611+/-0.290 χ^2/NDF: 2013090.3/37

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

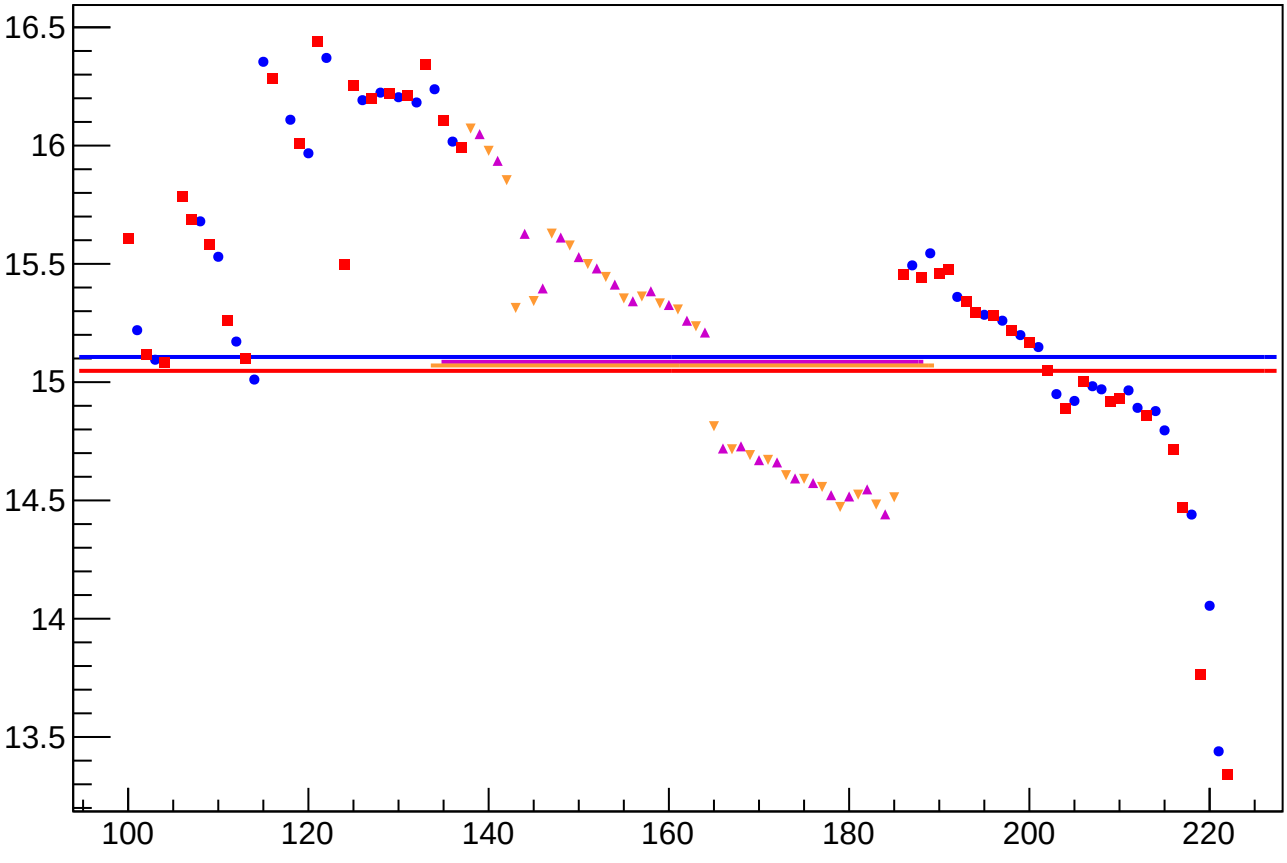
Right: 1908.604+/-0.208 χ^2/NDF: 3403586.8/71

In: 2130.016+/-0.244 χ^2/NDF:3212195.6/56

Out: 2109.746+/-0.238 χ^2/NDF:4224105.7/62

All: 2119.639+/-0.170 χ^2/NDF: 7439848.2/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.106+/-0.000 χ^2/NDF: 73634712459.3/33

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.048+/-0.000 χ^2/NDF: 80519120230.5/37

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

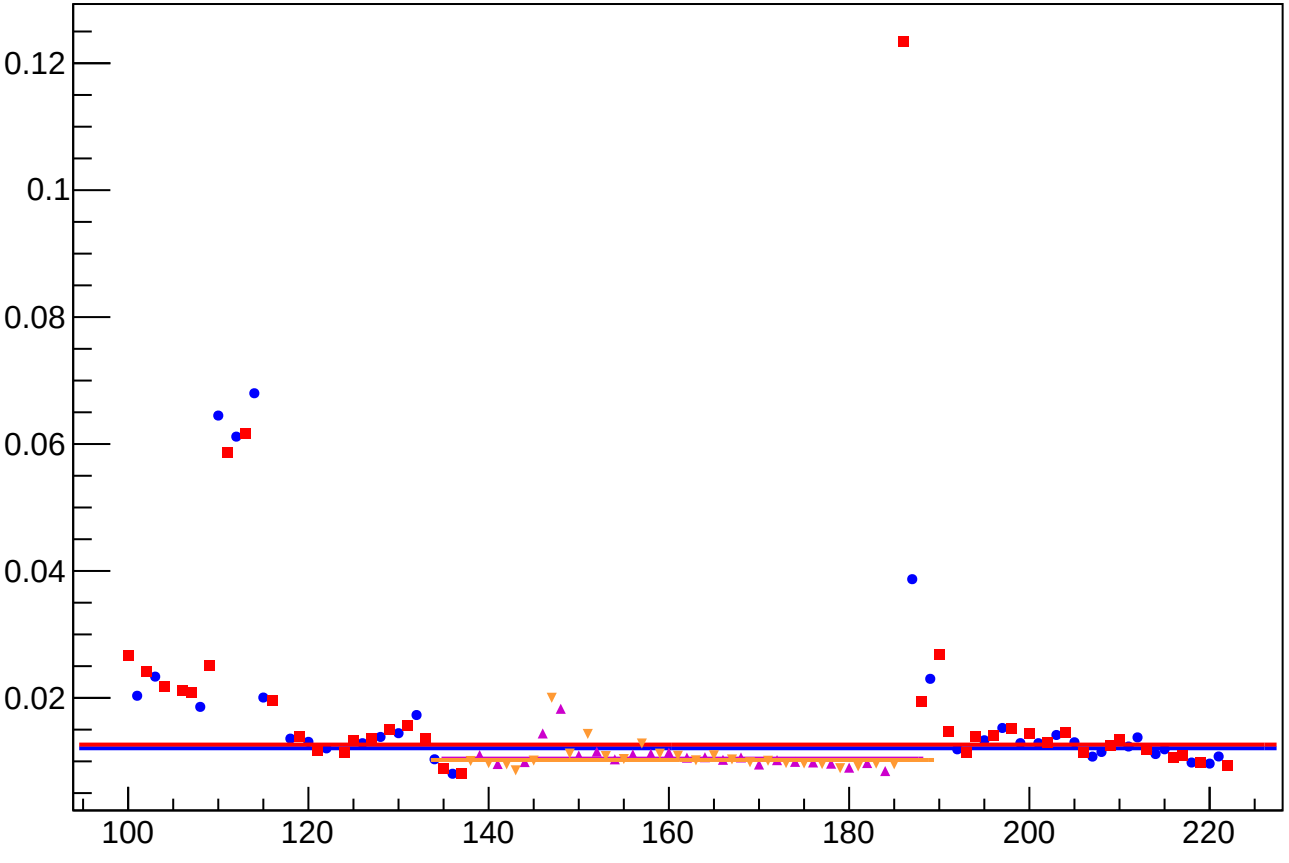
Right: 15.079+/-0.000 χ^2/NDF: 154371022744.6/71

In: 15.095+/-0.000 χ^2/NDF:113170275992.8/56

Out: 15.061+/-0.000 χ^2/NDF:124274091528.0/62

All: 15.078+/-0.000 χ^2/NDF: 237613739236.

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: 3971086.1/37

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

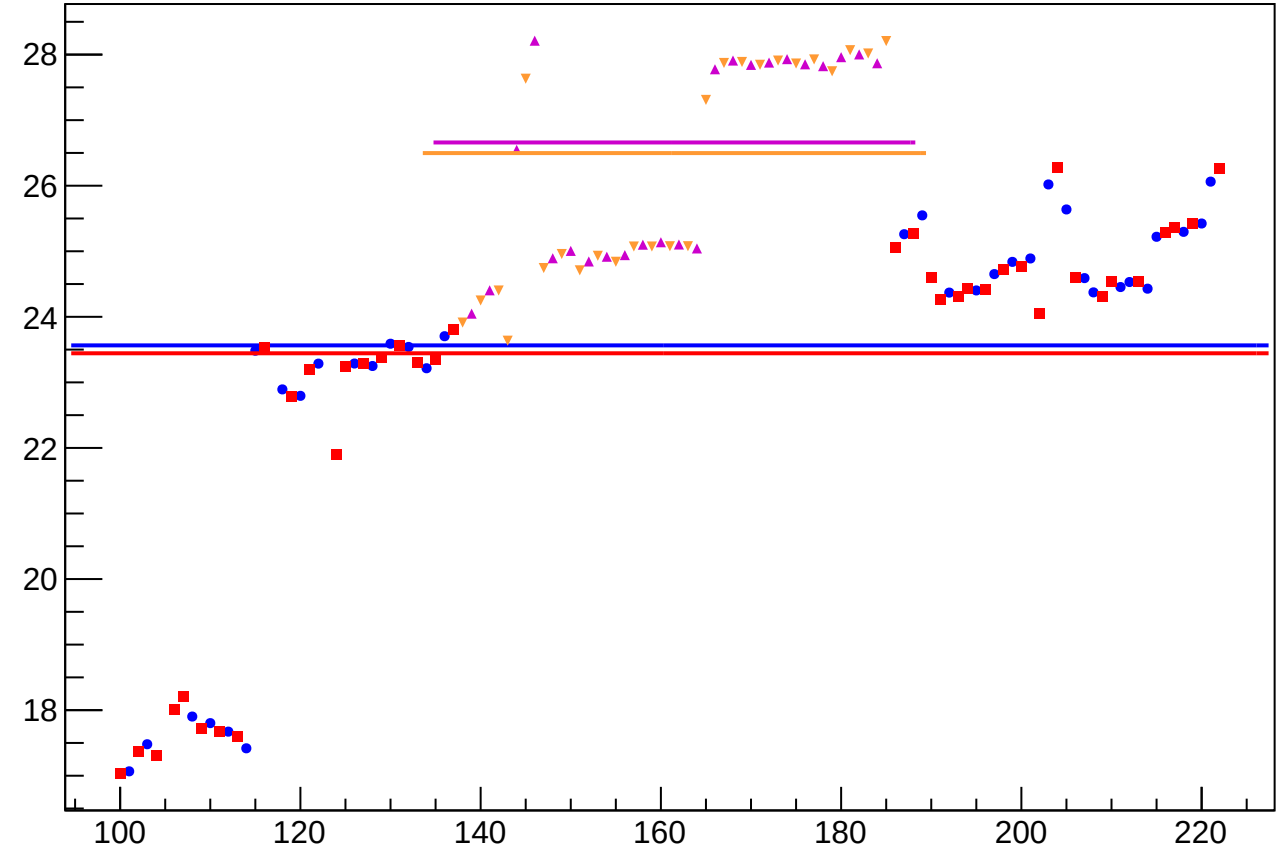
Right: 0.012+/-0.000 χ^2/NDF: 7167350.4/71

In: 0.011+/-0.000 χ^2/NDF:4137091.8/56

Out: 0.011+/-0.000 χ^2/NDF:5567573.8/62

All: 0.011+/-0.000 χ^2/NDF: 9705004.5/119

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: 23.444+/-0.000 χ^2/NDF: 2114178408.8/37

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

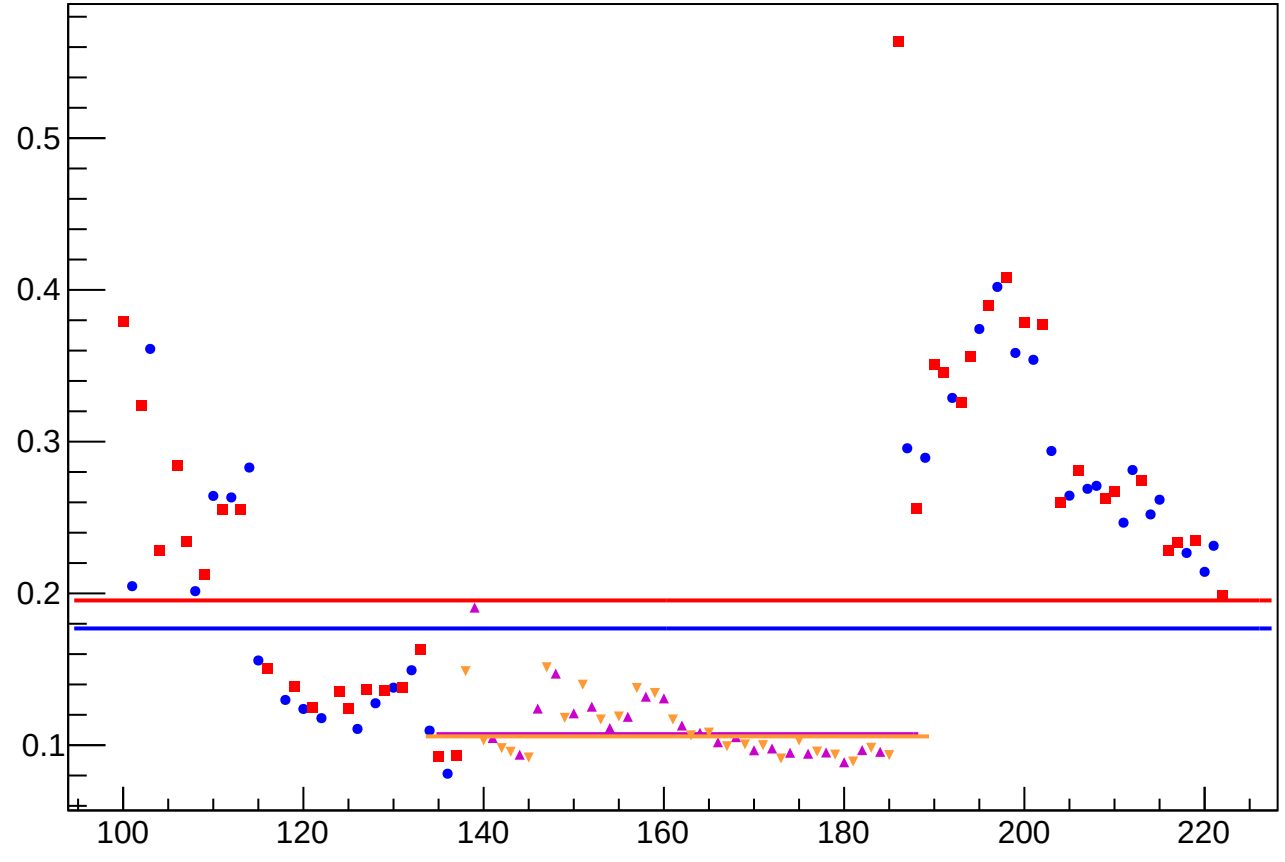
Right: 23.508+/-0.000 χ^2/NDF: 4067634965.5/71

In: 25.788+/-0.000 χ^2/NDF:8504570019.2/56

Out: 25.773+/-0.000 χ^2/NDF:9305447653.8/62

All: 25.781+/-0.000 χ^2/NDF: 17810244539.7

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: 6801718.7/37

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

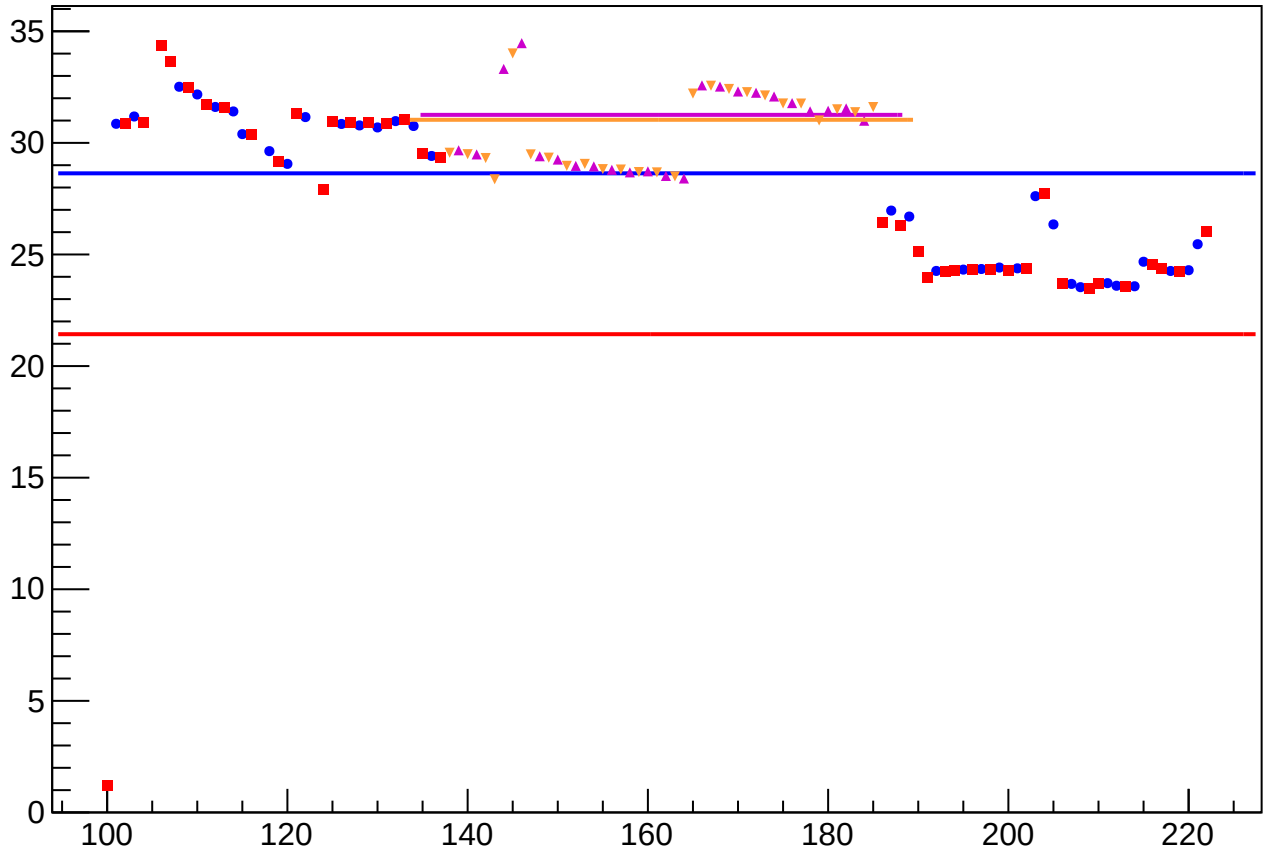
Right: 0.185+/-0.000 χ^2/NDF: 14822573.3/71

In: 0.127+/-0.000 χ^2/NDF:12425026.5/56

Out: 0.127+/-0.000 χ^2/NDF:13205496.1/62

All: 0.127+/-0.000 χ^2/NDF: 25630583.5/119

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: 21.428+/-0.000 χ^2/NDF: 227967006108.8/37

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

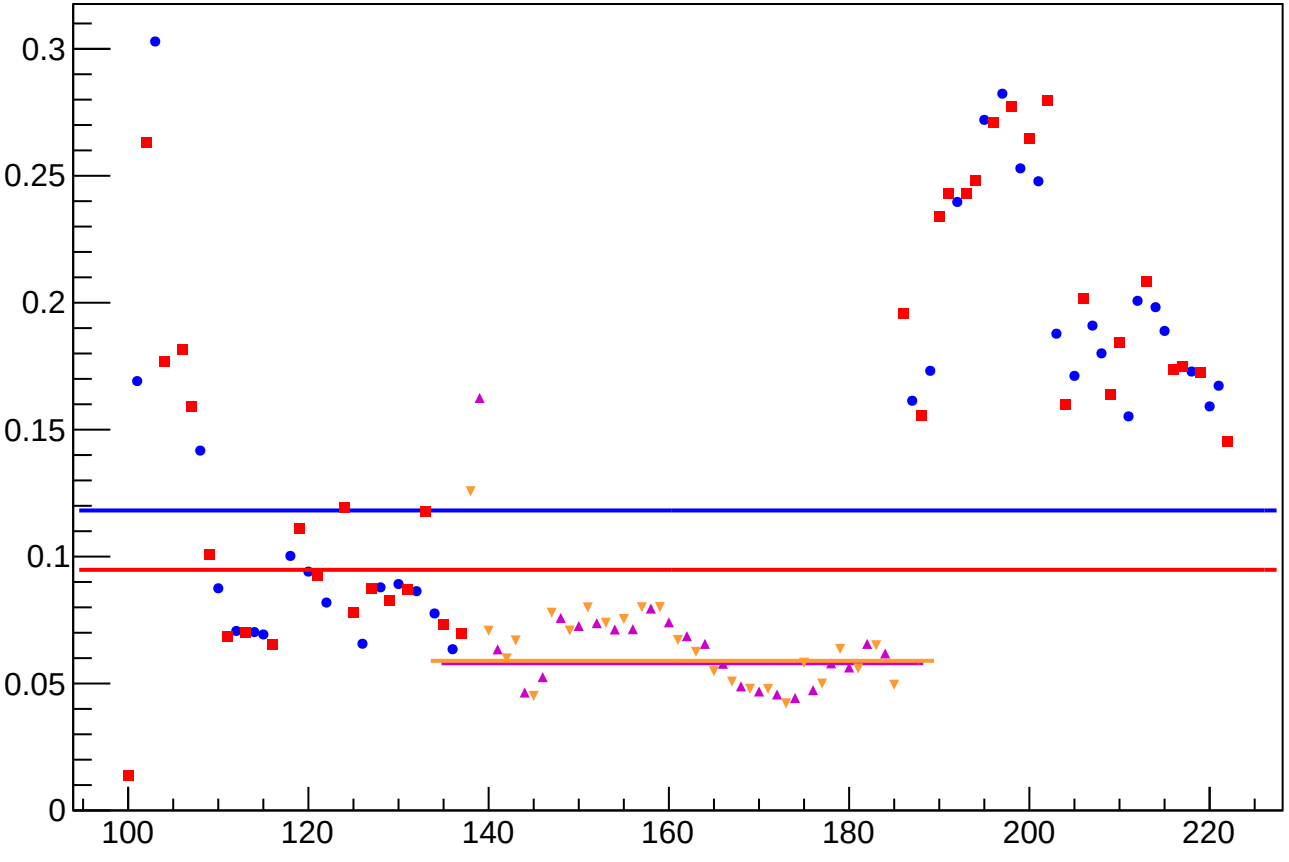
Right: 24.606+/-0.000 χ^2/NDF: 271674537564.1/71

In: 30.681+/-0.000 χ^2/NDF:28853215068.3/56

Out: 28.581+/-0.000 χ^2/NDF:340834330561.7/62

All: 29.587+/-0.000 χ^2/NDF: 381837695193.

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: 0.095+/-0.000 χ^2/NDF: 14694044.4/37

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

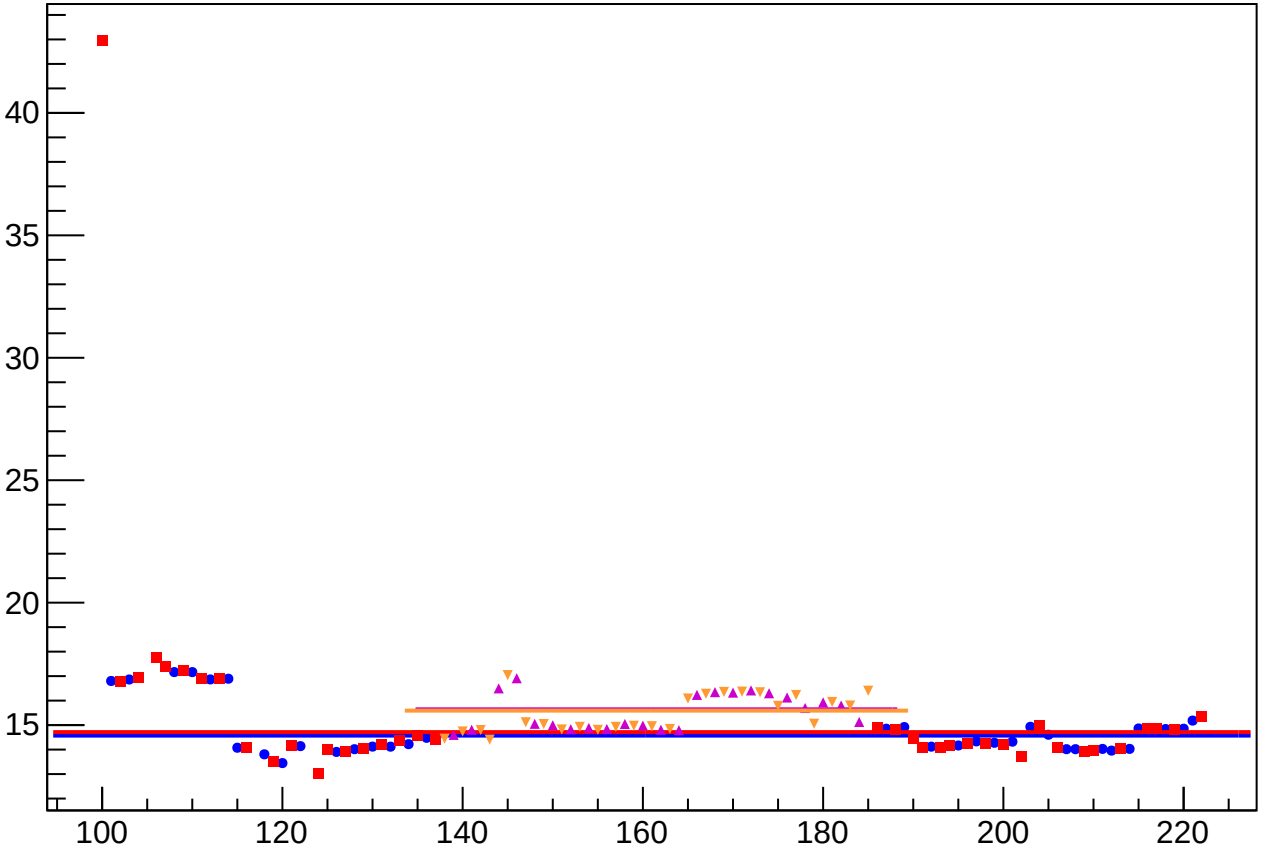
Right: 0.105+/-0.000 χ^2/NDF: 23445247.4/71

In: 0.071+/-0.000 χ^2/NDF:16313900.2/56

Out: 0.068+/-0.000 χ^2/NDF:19041949.1/62

All: 0.070+/-0.000 χ^2/NDF: 35408167.2/119

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: 14.714+/-0.000 χ^2/NDF: 1891345864.4/37

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

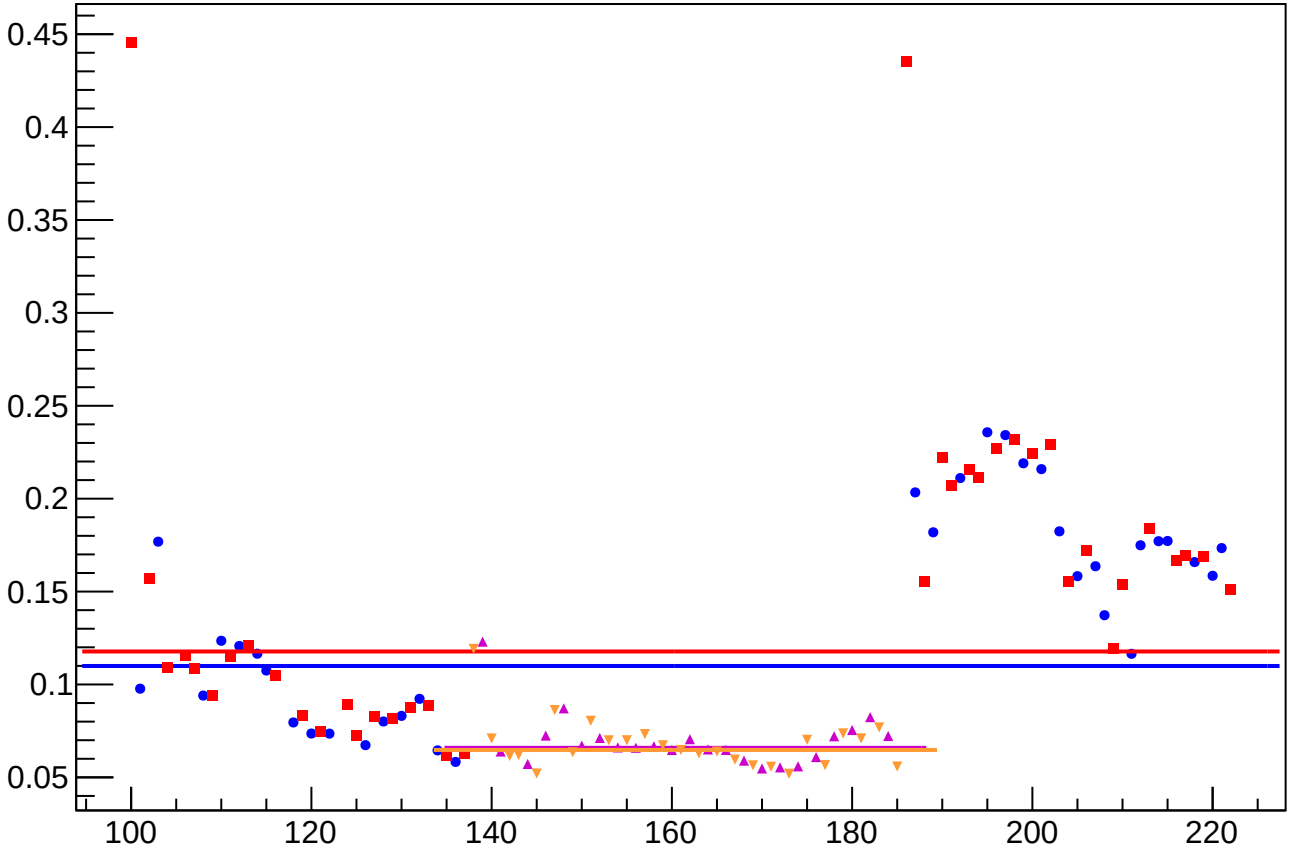
Right: 14.639+/-0.000 χ^2/NDF: 3197030266.8/71

In: 15.340+/-0.000 χ^2/NDF:4319428868.0/56

Out: 15.374+/-0.000 χ^2/NDF:4892370289.1/62

All: 15.358+/-0.000 χ^2/NDF: 9214735096.7/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.110+/-0.000 χ^2/NDF: 7155031.7/33

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.118+/-0.000 χ^2/NDF: 6521646.5/37

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

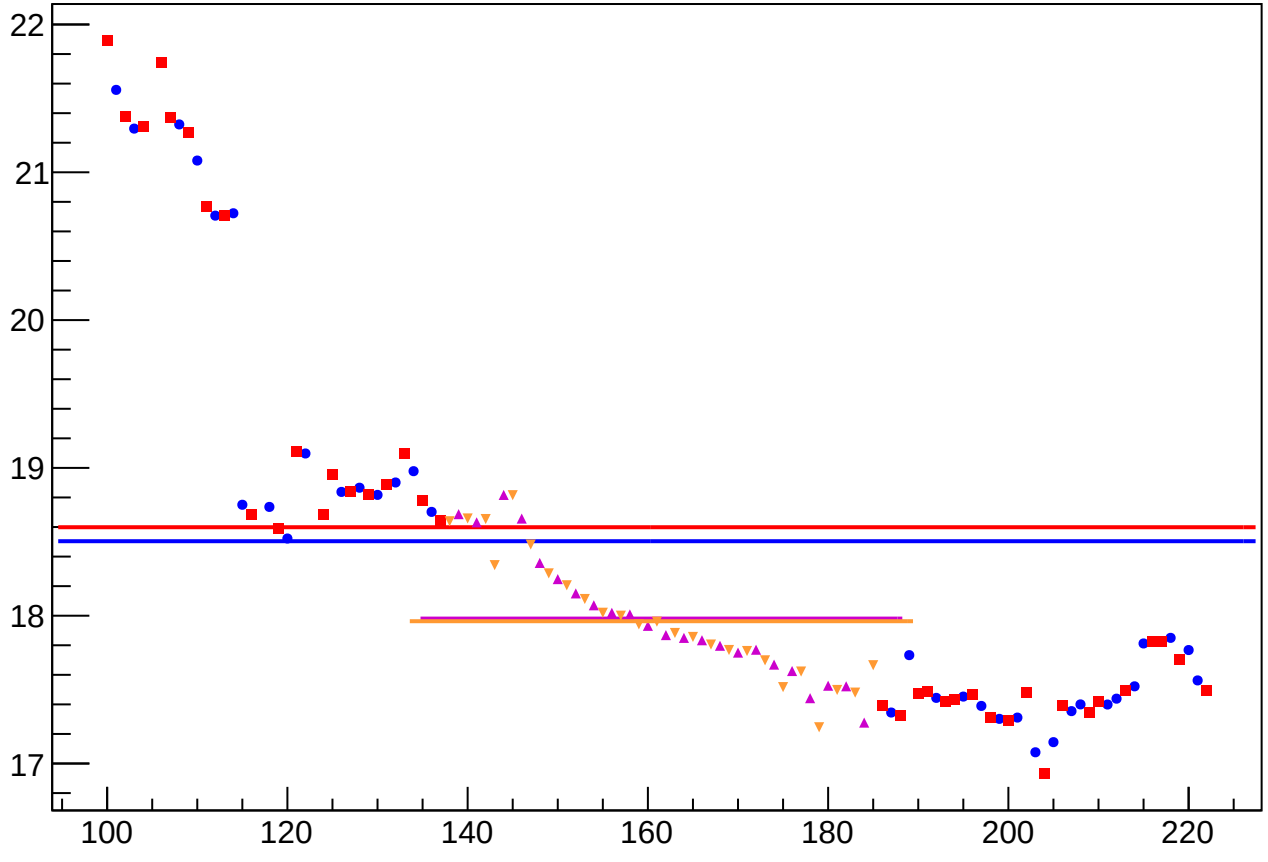
Right: 0.114+/-0.000 χ^2/NDF: 13758725.0/71

In: 0.078+/-0.000 χ^2/NDF:11882805.6/56

Out: 0.078+/-0.000 χ^2/NDF:12801890.6/62

All: 0.078+/-0.000 χ^2/NDF: 24686167.0/119

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: 18.599+/-0.000 χ^2/NDF: 39066583526.5/37

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

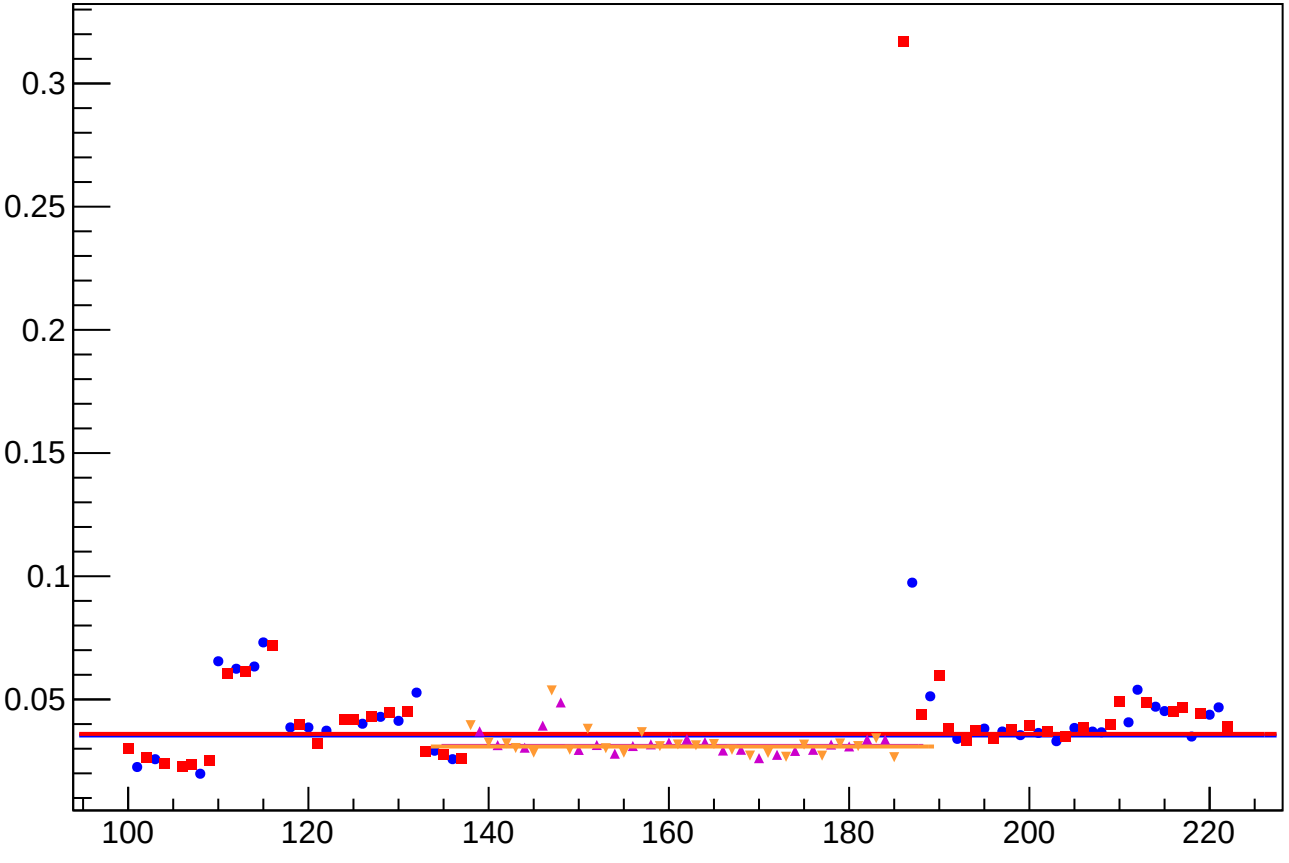
Right: 18.551+/-0.000 χ^2/NDF: 75362167135.2/71

In: 18.225+/-0.000 χ^2/NDF:41232197251.6/56

Out: 18.244+/-0.000 χ^2/NDF:45542715176.6/62

All: 18.235+/-0.000 χ^2/NDF: 86781413735.4

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: 2818013.2/37

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

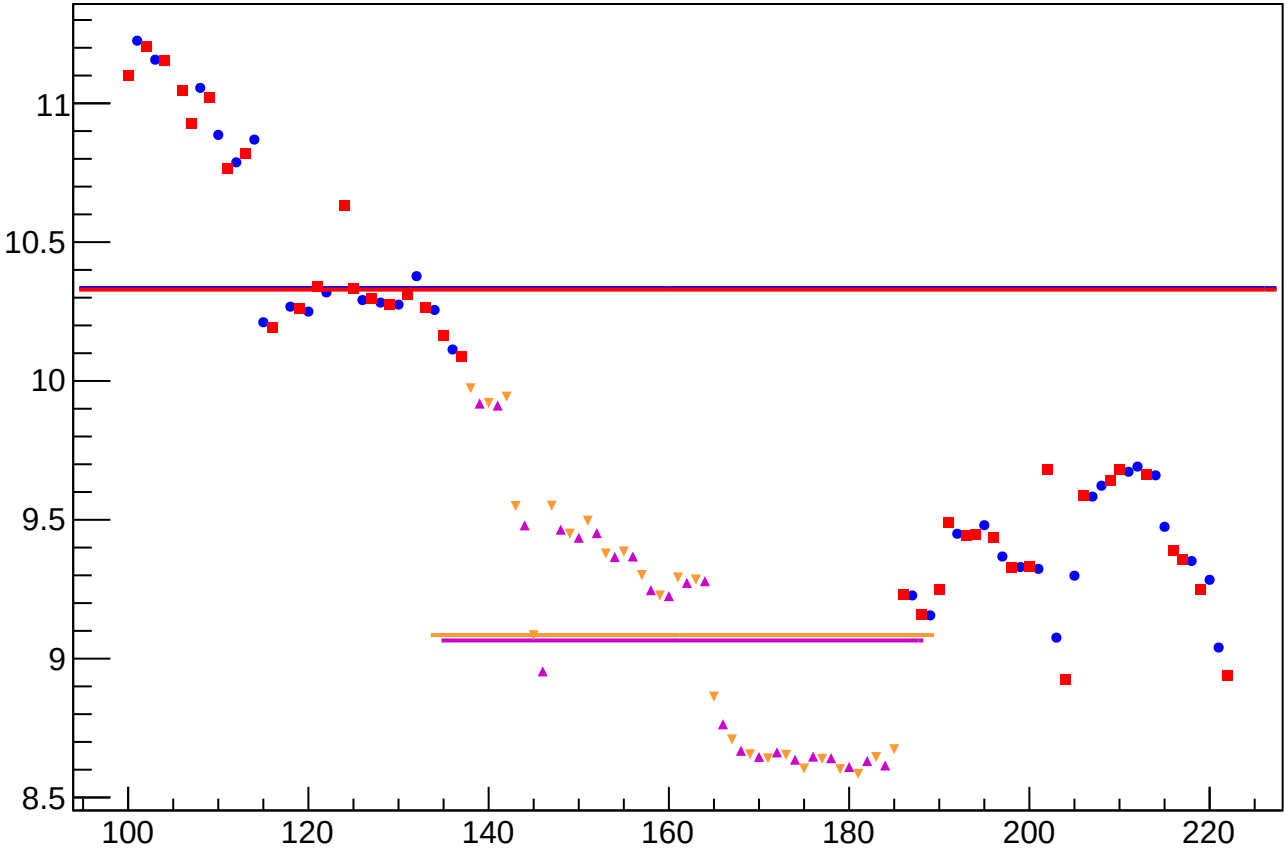
Right: 0.036+/-0.000 χ^2/NDF: 5473363.8/71

In: 0.033+/-0.000 χ^2/NDF:3430530.6/56

Out: 0.033+/-0.000 χ^2/NDF:3897846.1/62

All: 0.033+/-0.000 χ^2/NDF: 7328454.9/119

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: 10.329+/-0.000 χ^2/NDF: 19938056340.8/37

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

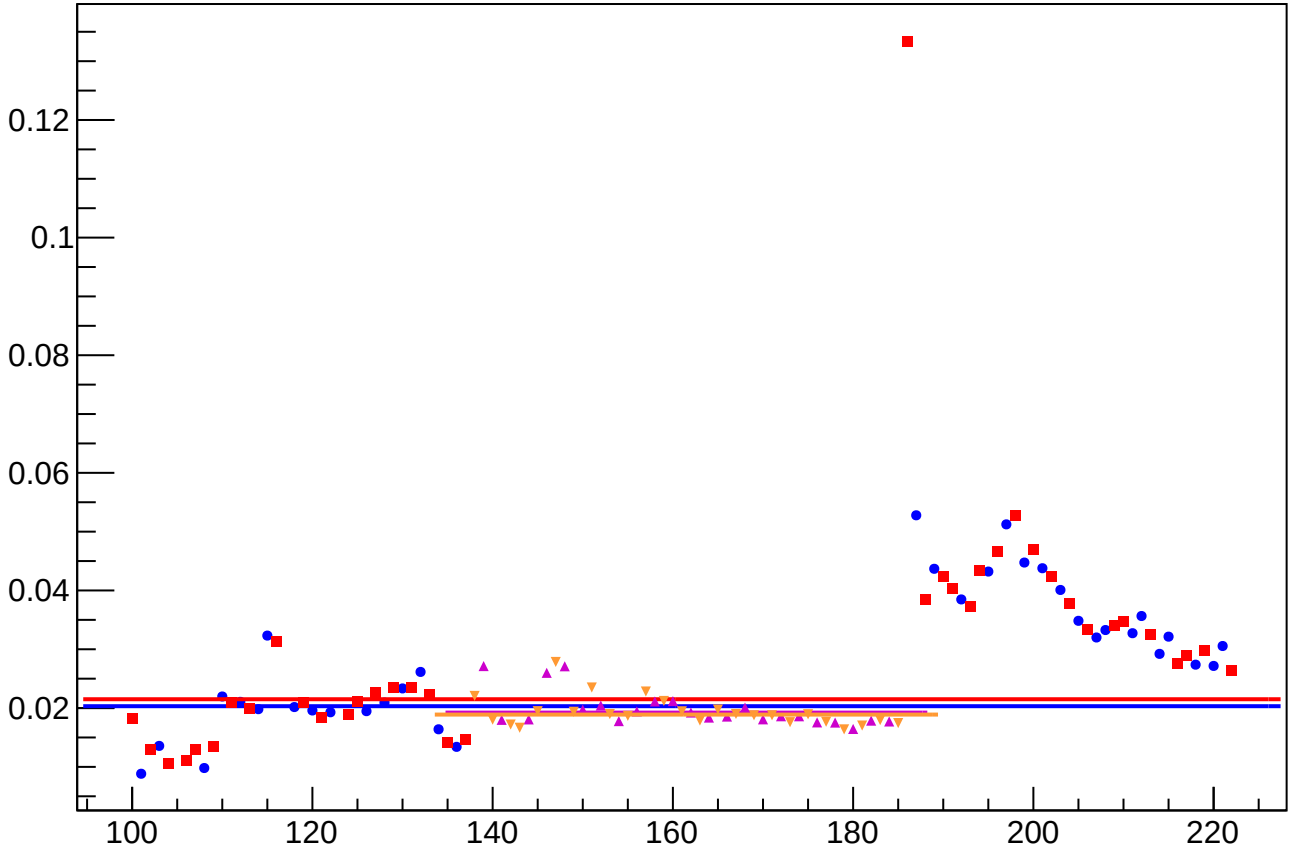
Right: 10.332+/-0.000 χ^2/NDF: 40915847201.0/71

In: 9.661+/-0.000 χ^2/NDF:62882948834.0/56

Out: 9.617+/-0.000 χ^2/NDF:62755176127.1/62

All: 9.639+/-0.000 χ^2/NDF: 125720496521.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 8898200.1/33

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.022+/-0.000 χ^2/NDF: 8339678.0/37

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

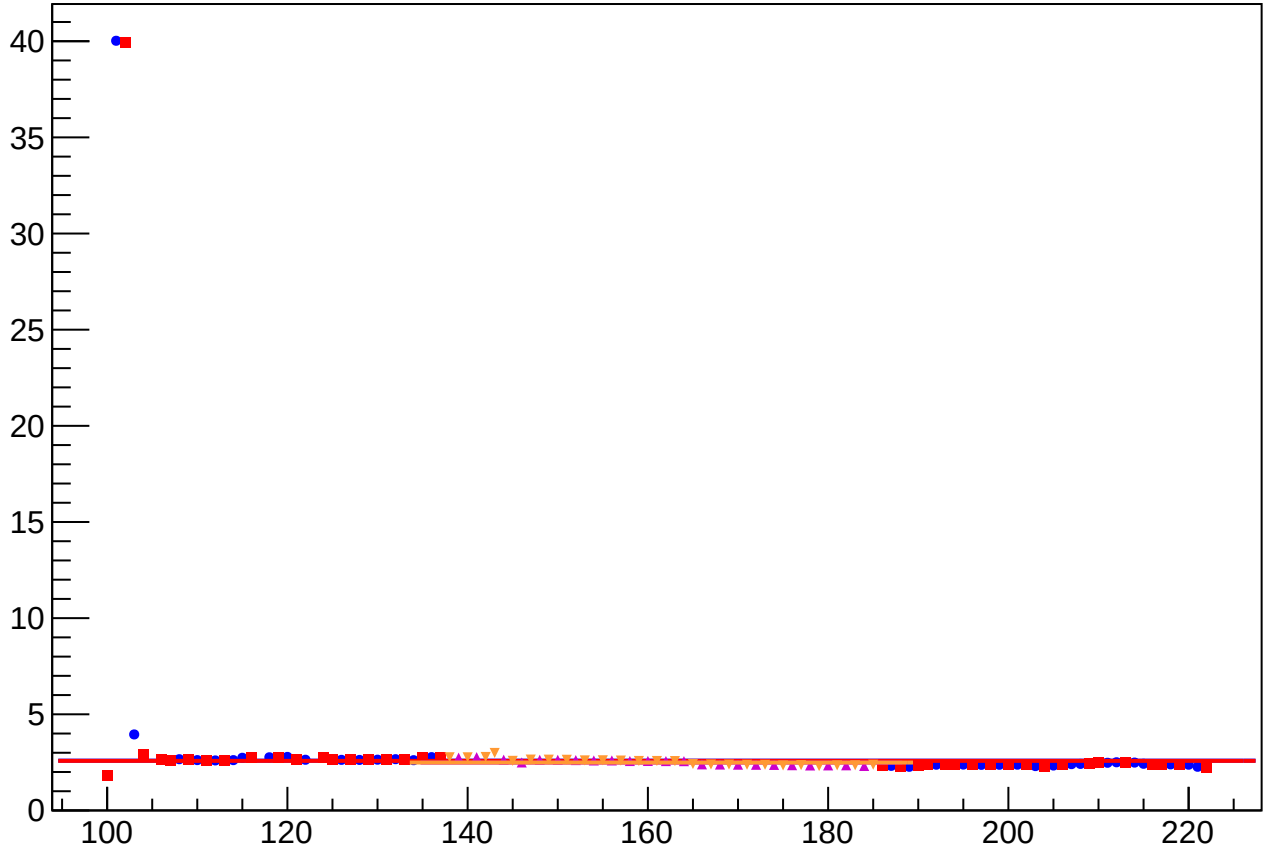
Right: 0.021+/-0.000 χ^2/NDF: 17291415.2/71

In: 0.020+/-0.000 χ^2/NDF:9488764.8/56

Out: 0.020+/-0.000 χ^2/NDF:9067943.0/62

All: 0.020+/-0.000 χ^2/NDF: 18562849.9/119

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: 2.579+/-0.000 χ^2/NDF: 99262596317.6/37

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

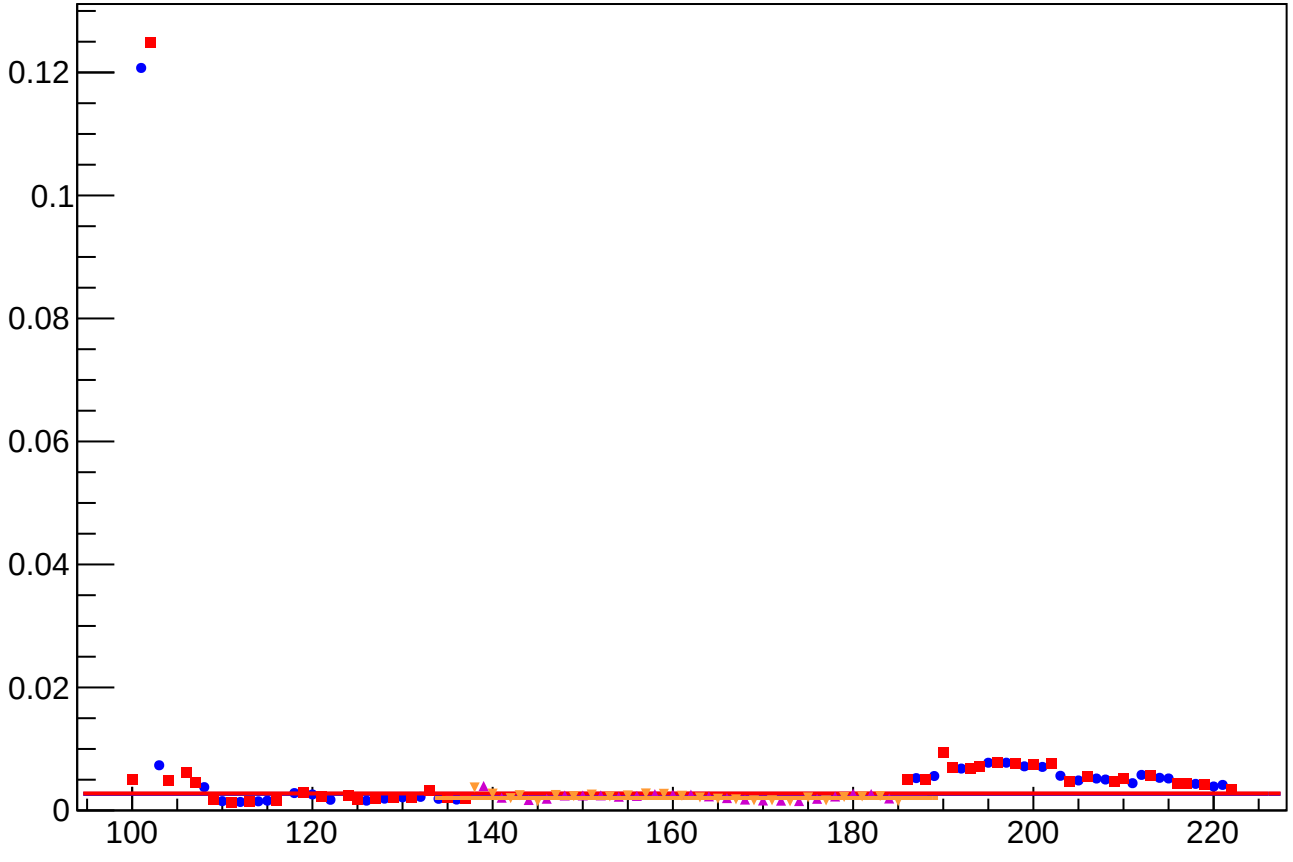
Right: 2.585+/-0.000 χ^2/NDF: 198956526222.1/71

In: 2.526+/-0.000 χ^2/NDF:173766107335.2/56

Out: 2.521+/-0.000 χ^2/NDF:201335675785.7/62

All: 2.523+/-0.000 χ^2/NDF: 375166497101.9

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: 12128510.8/37

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

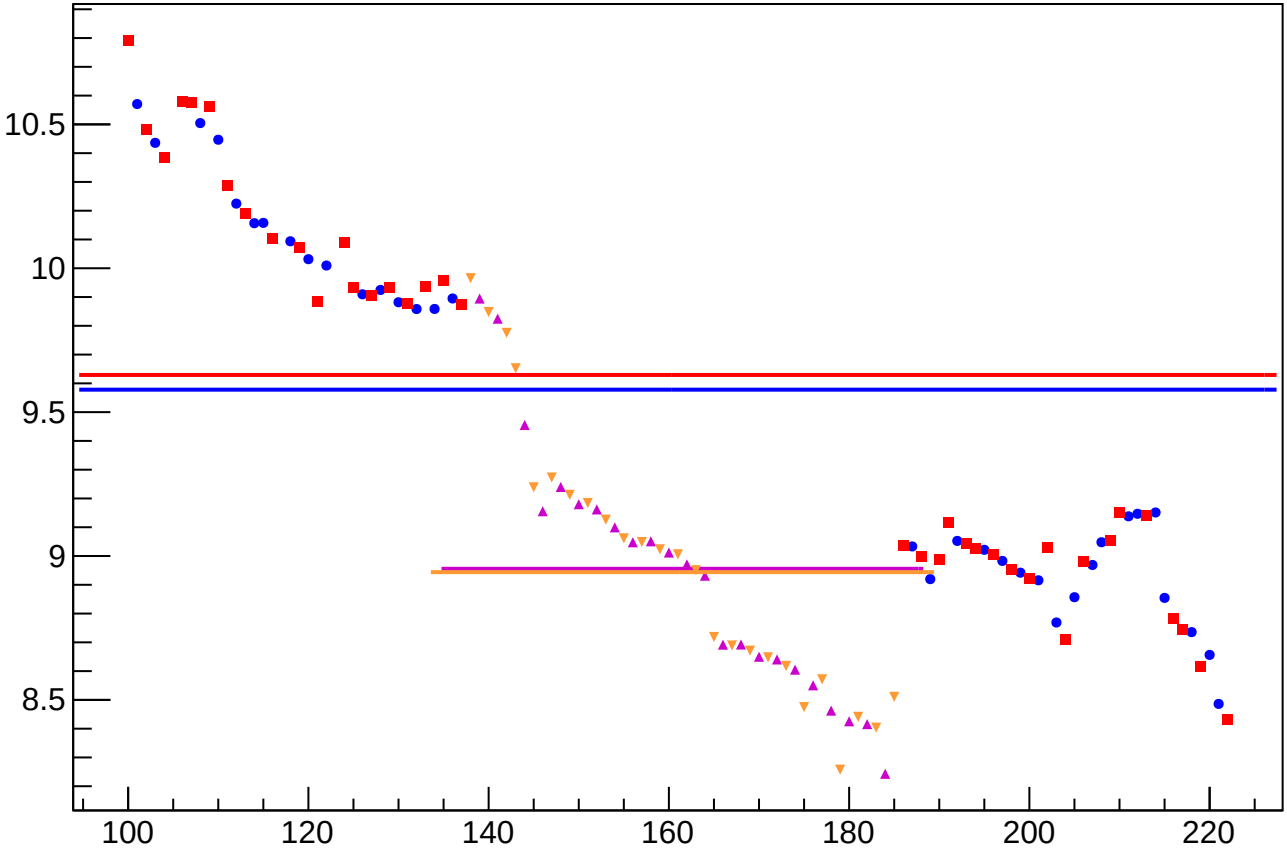
Right: 0.003+/-0.000 χ^2/NDF: 23649638.7/71

In: 0.002+/-0.000 χ^2/NDF:13897054.7/56

Out: 0.002+/-0.000 χ^2/NDF:15081518.9/62

All: 0.002+/-0.000 χ^2/NDF: 28980781.6/119

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.578+/-0.000 χ^2/NDF: 142510006612.0/33

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.629+/-0.000 χ^2/NDF: 158907764065.8/37

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

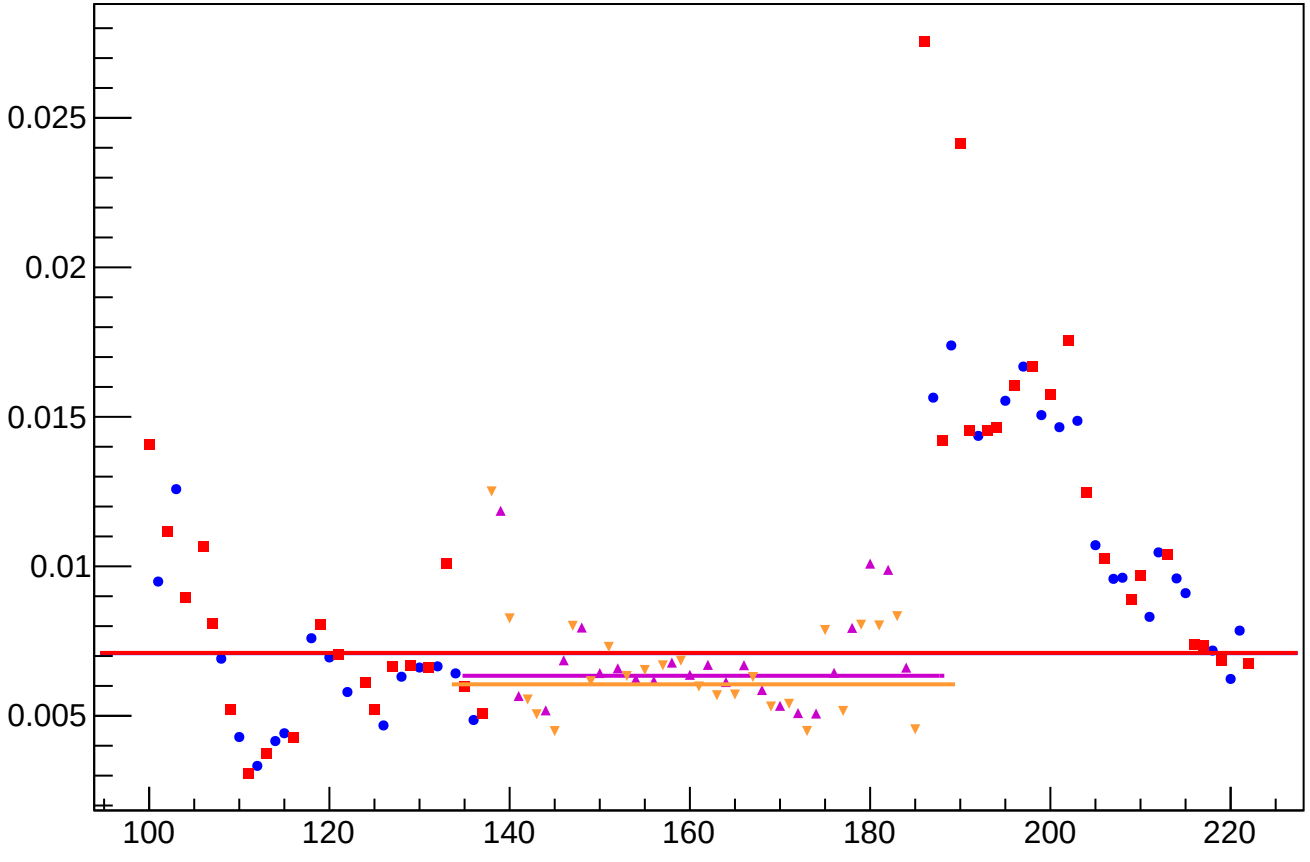
Right: 9.603+/-0.000 χ^2/NDF: 301852691508.1/71

In: 9.255+/-0.000 χ^2/NDF:261612249465.1/56

Out: 9.247+/-0.000 χ^2/NDF:311253535935.7/62

All: 9.251+/-0.000 χ^2/NDF: 572890544467.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6749353.6/33

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8352086.9/37

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

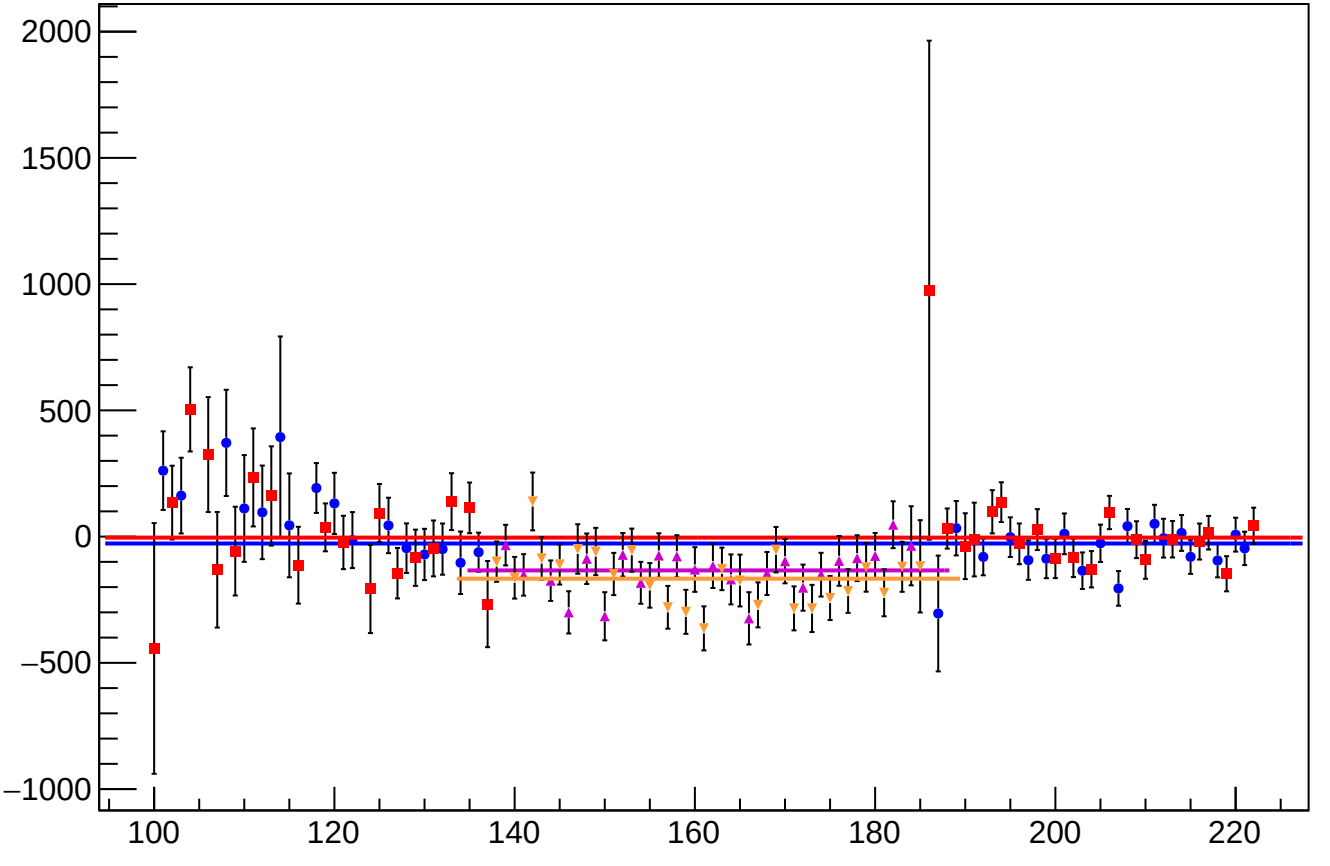
Right: 0.007+/-0.000 χ^2/NDF: 15101464.4/71

In: 0.007+/-0.000 χ^2/NDF:8124032.5/56

Out: 0.007+/-0.000 χ^2/NDF:10219635.6/62

All: 0.007+/-0.000 χ^2/NDF: 18368457.0/119

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.324+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -3.988+/-15.723 χ^2/NDF: 46.3/37

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

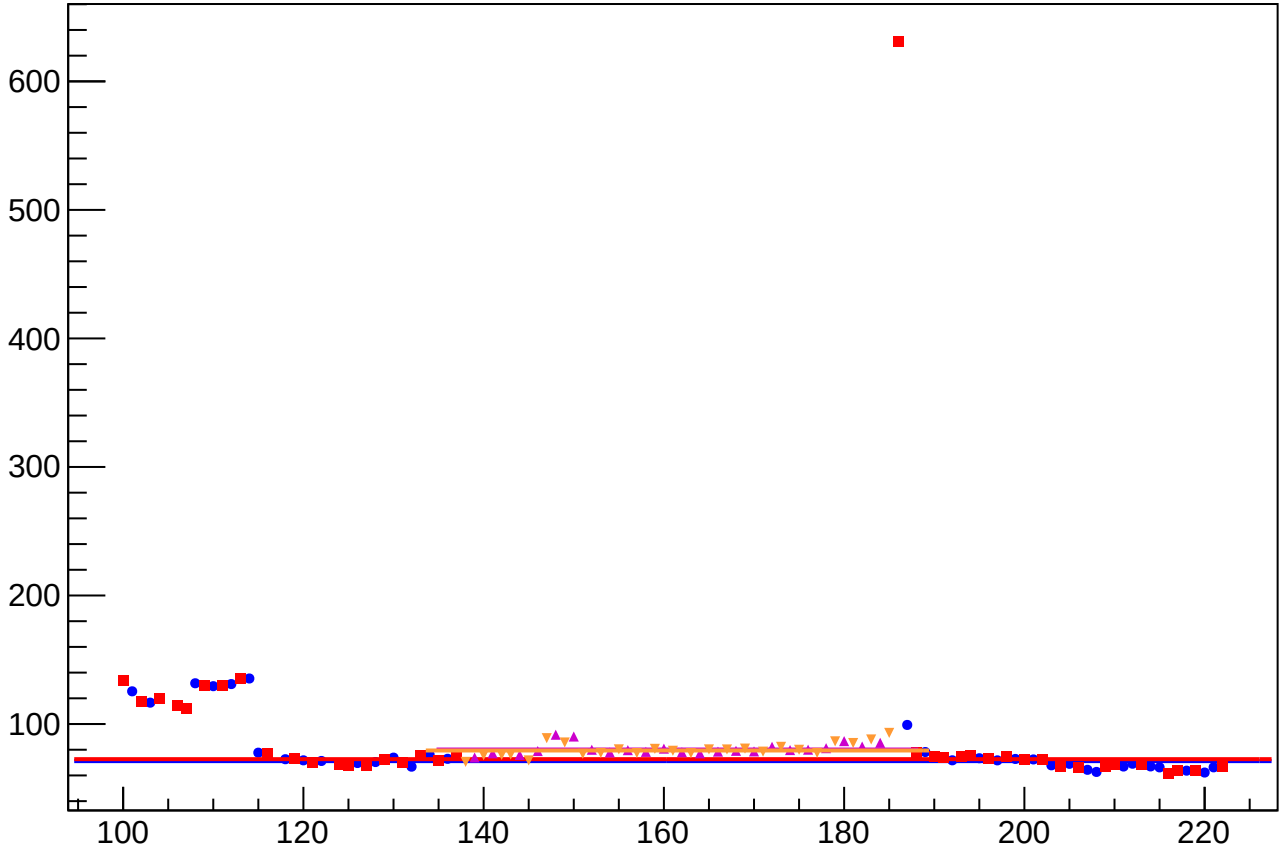
Right: -15.924+/-10.989 χ^2/NDF: 83.5/71

In: -70.103+/-11.886 χ^2/NDF:76.1/56

Out: -74.049+/-11.864 χ^2/NDF:124.1/62

All: -72.079+/-8.397 χ^2/NDF: 200.2/119

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: 72.666+/-0.011 χ^2/NDF: 1953289.4/37

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

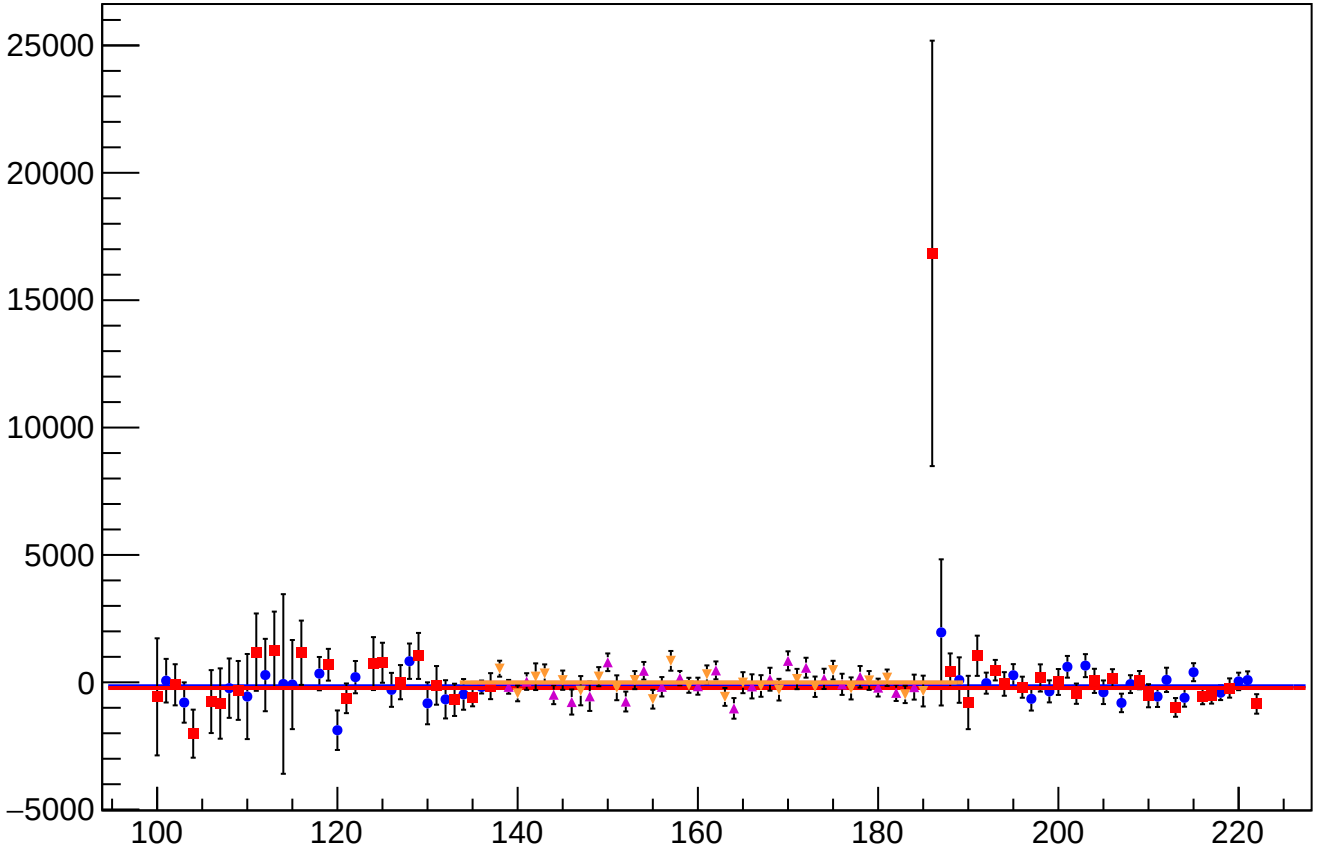
Right: 71.881+/-0.008 χ^2/NDF: 3175181.0/71

In: 74.757+/-0.008 χ^2/NDF:1580985.5/56

Out: 75.570+/-0.008 χ^2/NDF:2246552.0/62

All: 75.164+/-0.006 χ^2/NDF: 3832231.6/119

asym_sam1_reg_correction_mean vs Slug, Sign Corrected



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: -223.799+/-86.076 χ^2/NDF: 39.6/37

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

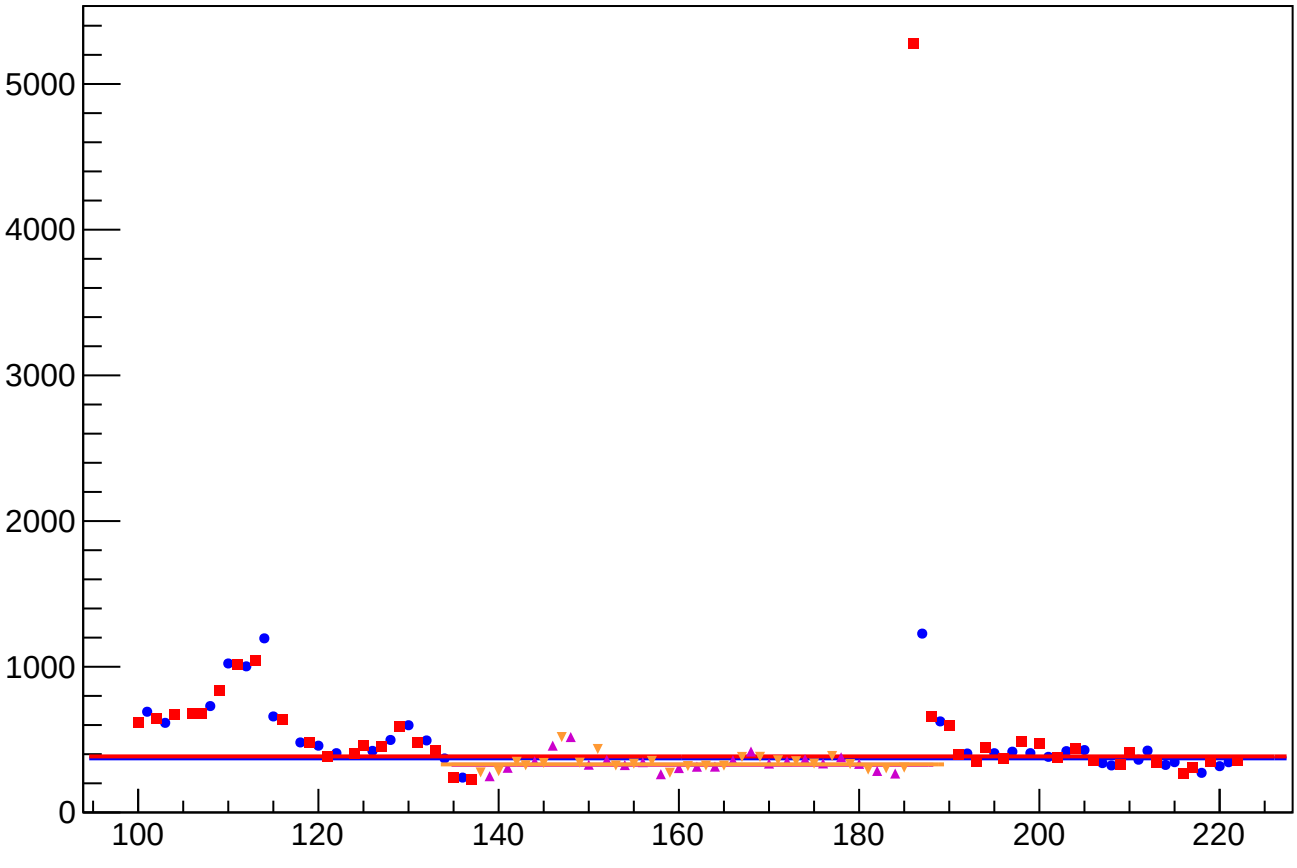
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -188.197+/-59.628 χ^2/NDF: 70.1/71

In: -82.964+/-56.559 χ^2/NDF:66.6/56

Out: -99.796+/-56.913 χ^2/NDF:67.4/62

All: -91.328+/-40.118 χ^2/NDF: 134.1/119



Right In: 371.444+/-0.058 χ^2/NDF: 3312378.8/33

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 384.733+/-0.061 χ^2/NDF: 4289290.2/37

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

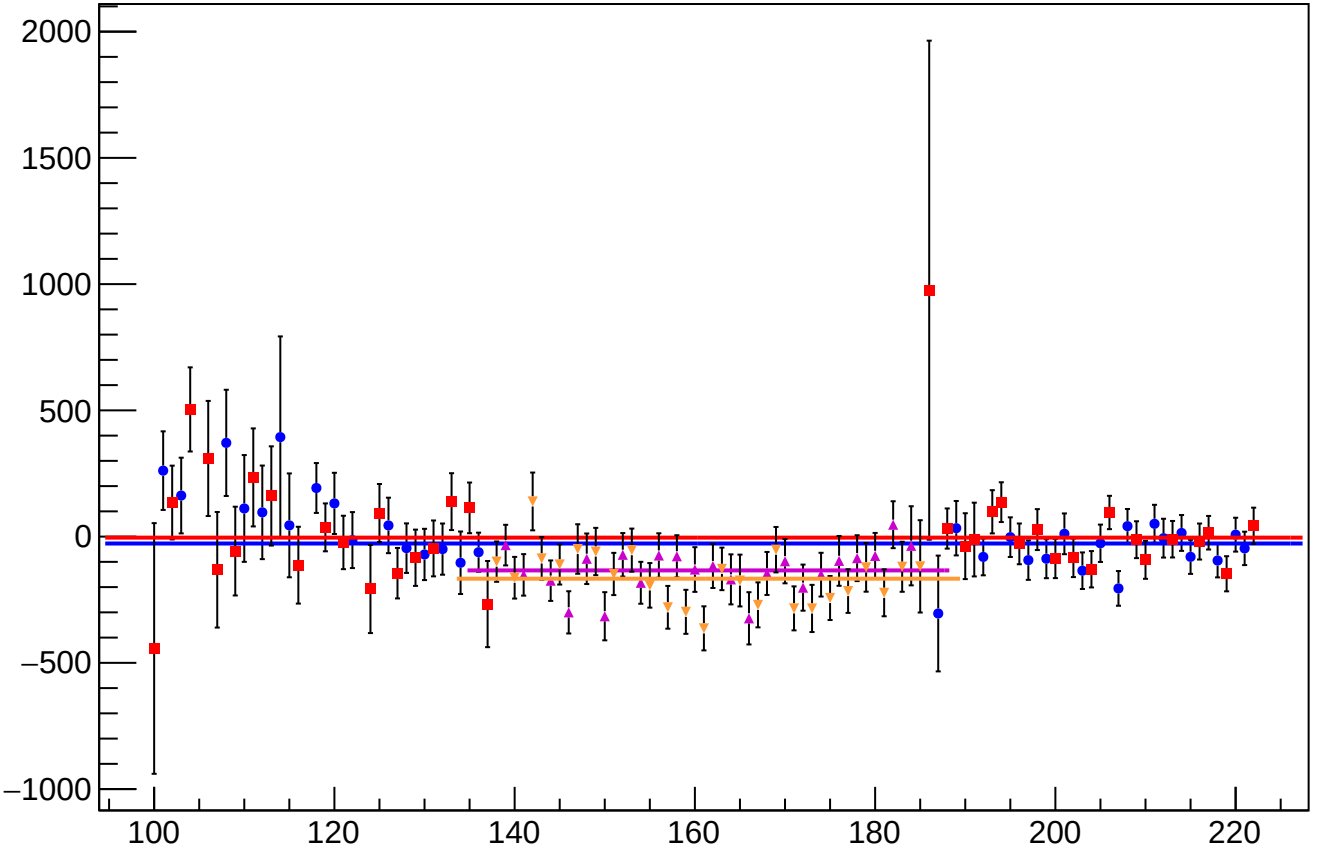
Right: 377.821+/-0.042 χ^2/NDF: 7626463.2/71

In: 347.778+/-0.040 χ^2/NDF:4519684.4/56

Out: 353.910+/-0.040 χ^2/NDF:5404194.5/62

All: 350.825+/-0.028 χ^2/NDF: 9935558.9/119

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -4.067+/-15.723 χ^2/NDF: 46.1/37

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

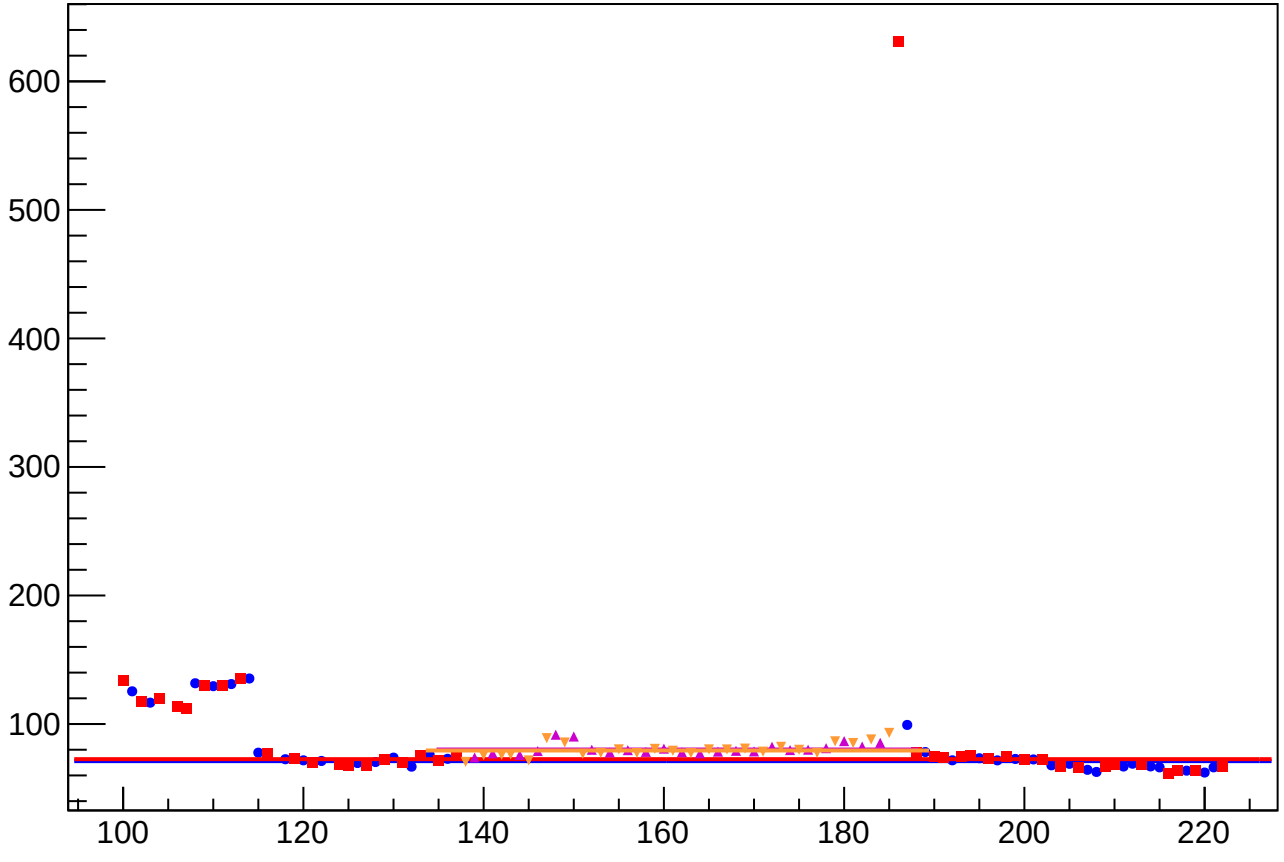
Right: -15.965+/-10.989 χ^2/NDF: 83.3/71

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -74.094+/-11.864 χ^2/NDF:123.8/62

All: -72.104+/-8.397 χ^2/NDF: 200.0/119

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: 72.662+/-0.011 χ^2/NDF: 1950826.4/37

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

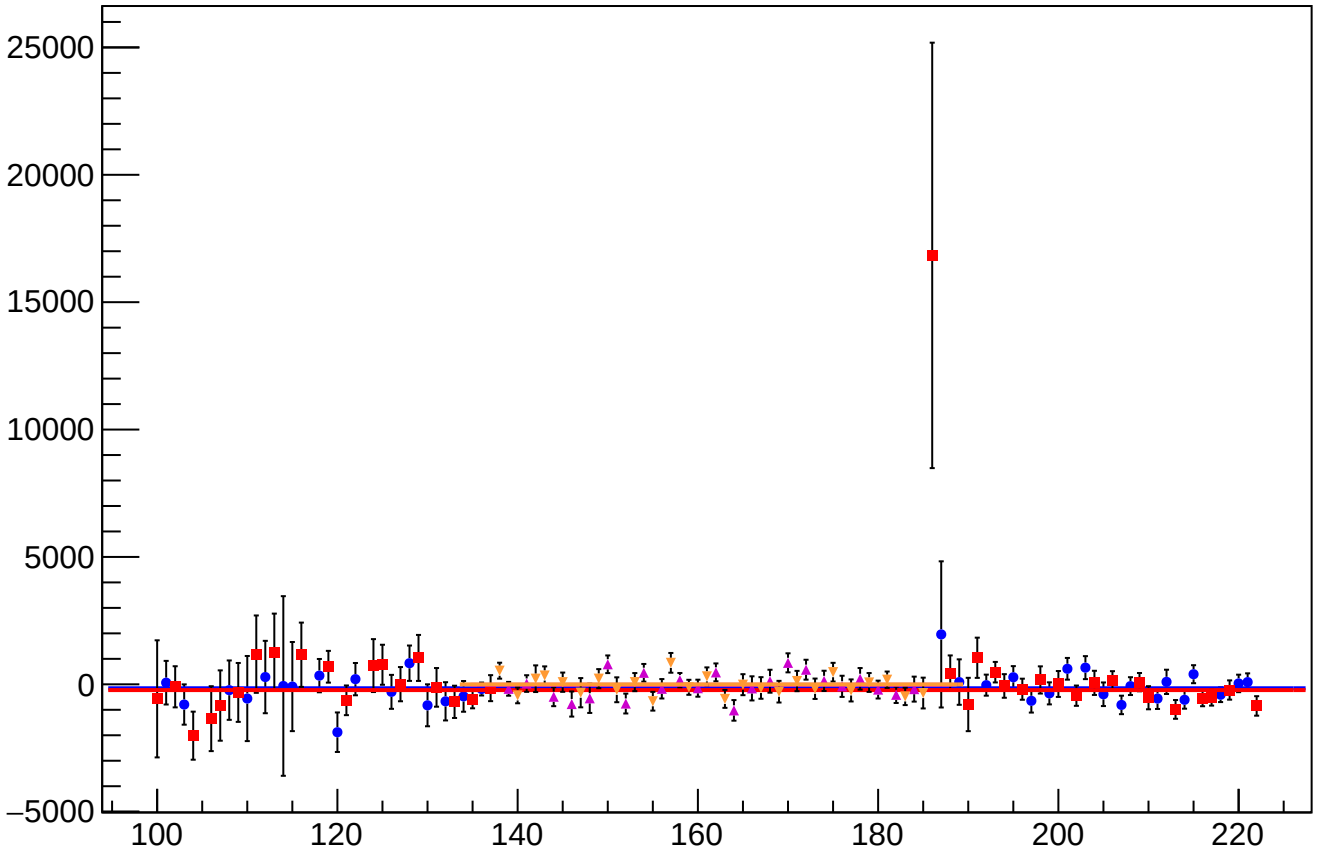
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 71.879+/-0.008 χ^2/NDF: 3172667.6/71

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.568+/-0.008 χ^2/NDF:2244275.8/62

All: 75.163+/-0.006 χ^2/NDF: 3829929.7/119



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: -226.349+/-86.089 χ^2/NDF: 40.2/37

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

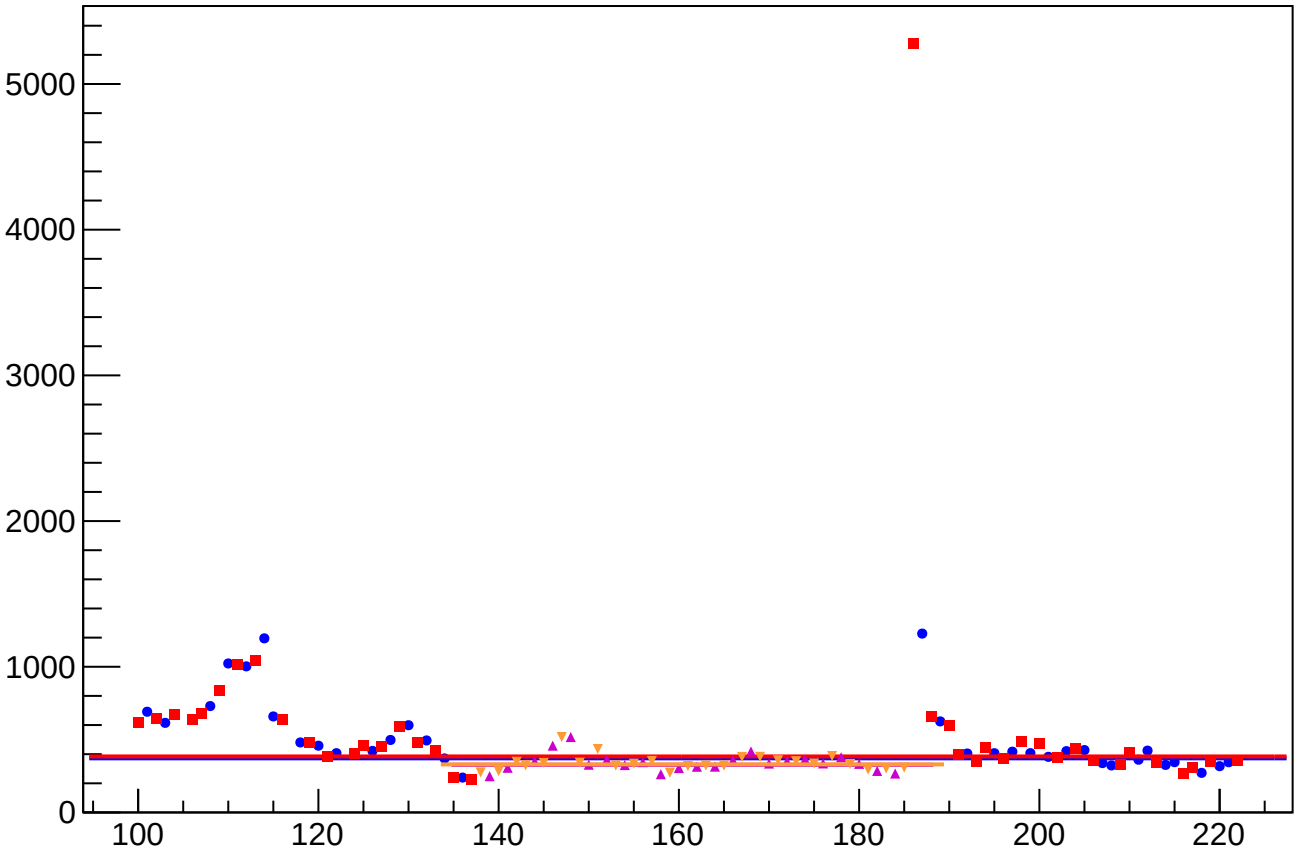
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -189.419+/-59.632 χ^2/NDF: 70.8/71

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -100.895+/-56.917 χ^2/NDF:68.0/62

All: -91.876+/-40.119 χ^2/NDF: 134.7/119



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 384.468+/-0.061 χ^2/NDF: 4255806.9/37

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

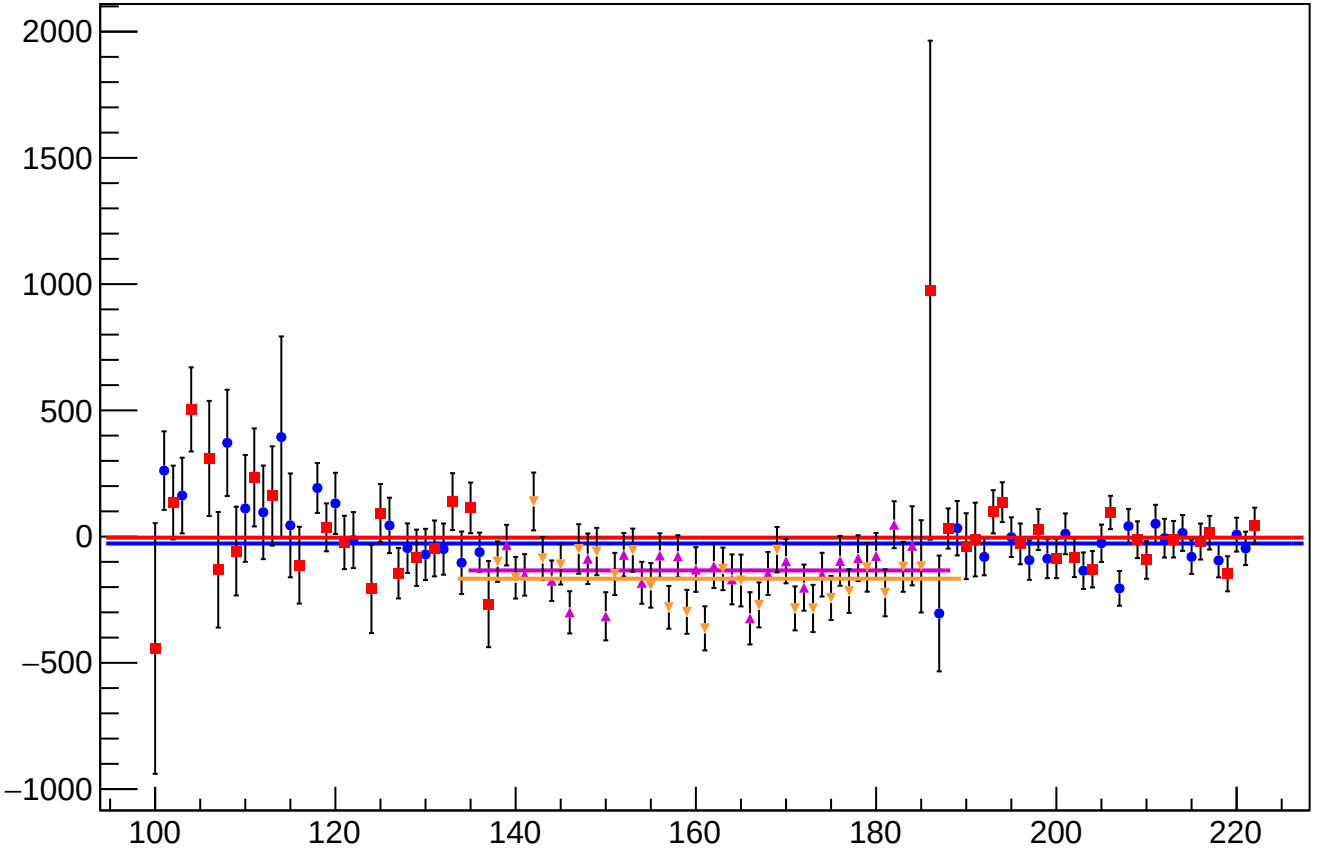
Right: 377.693+/-0.042 χ^2/NDF: 7591998.7/71

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 353.790+/-0.040 χ^2/NDF:5366247.5/62

All: 350.765+/-0.028 χ^2/NDF: 9897163.8/119

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -4.067+/-15.723 χ^2/NDF: 46.1/37

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

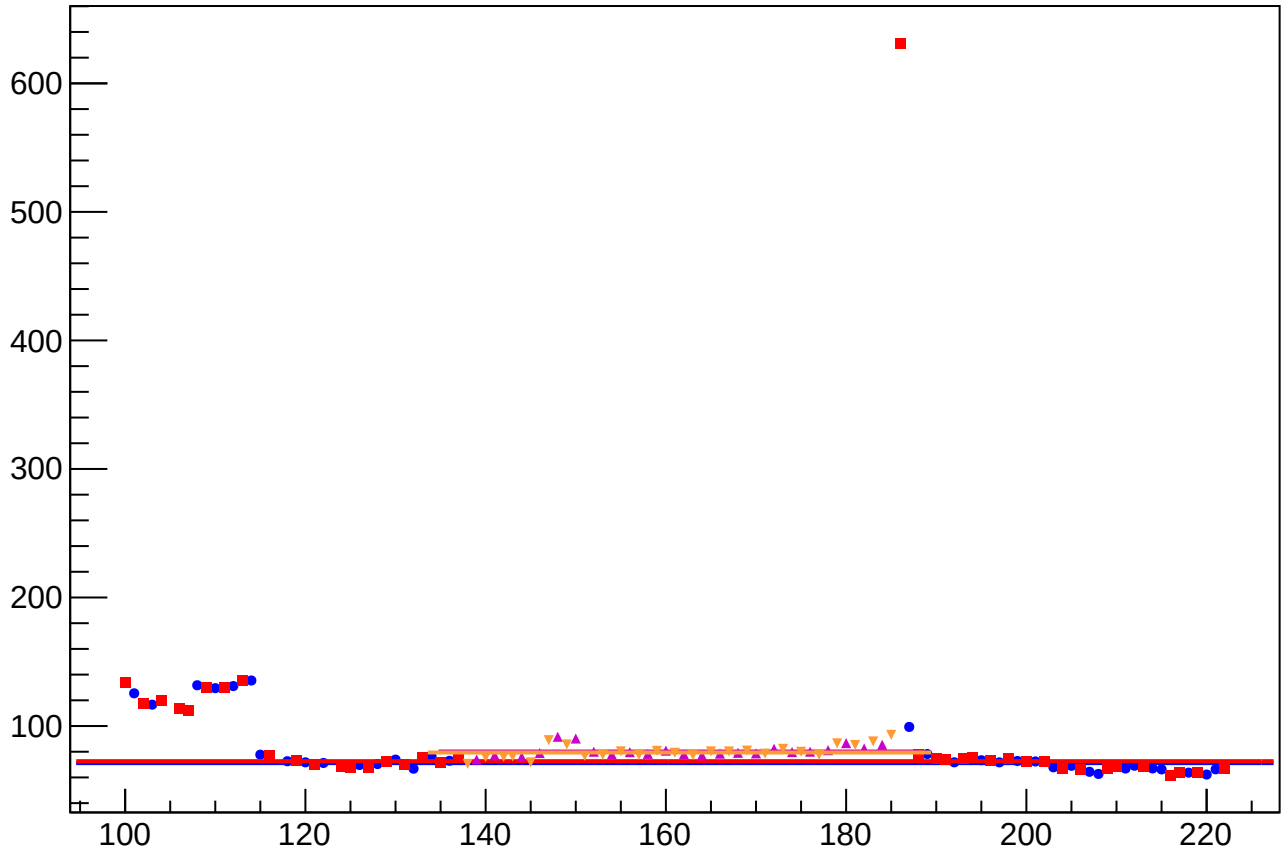
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: -15.965+/-10.989 χ^2/NDF: 83.3/71

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -74.094+/-11.864 χ^2/NDF:123.8/62

All: -72.104+/-8.397 χ^2/NDF: 200.0/119



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: 72.662+/-0.011 χ^2/NDF: 1950826.4/37

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

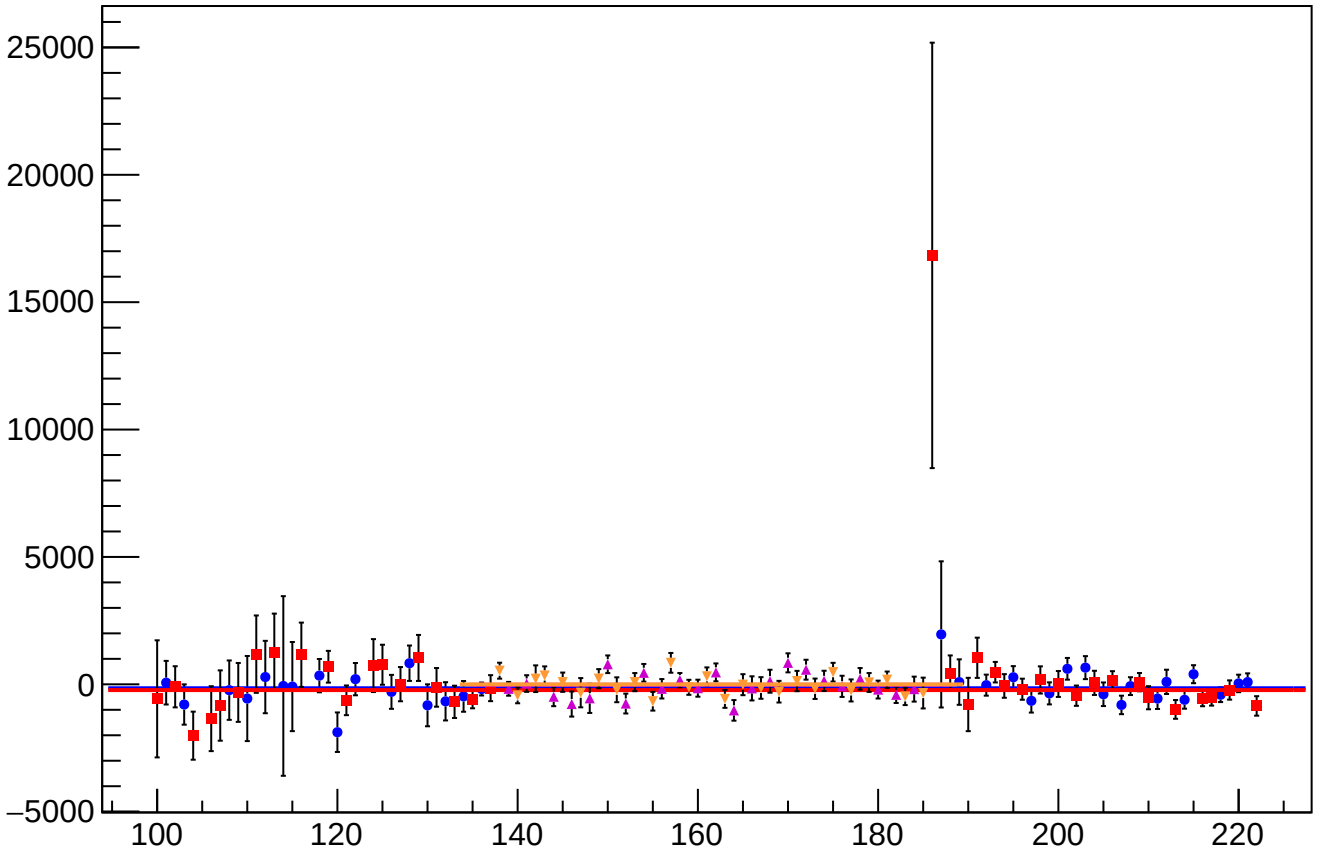
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 71.879+/-0.008 χ^2/NDF: 3172667.6/71

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.568+/-0.008 χ^2/NDF:2244275.8/62

All: 75.163+/-0.006 χ^2/NDF: 3829929.7/119



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: -226.349+/-86.089 χ^2/NDF: 40.2/37

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

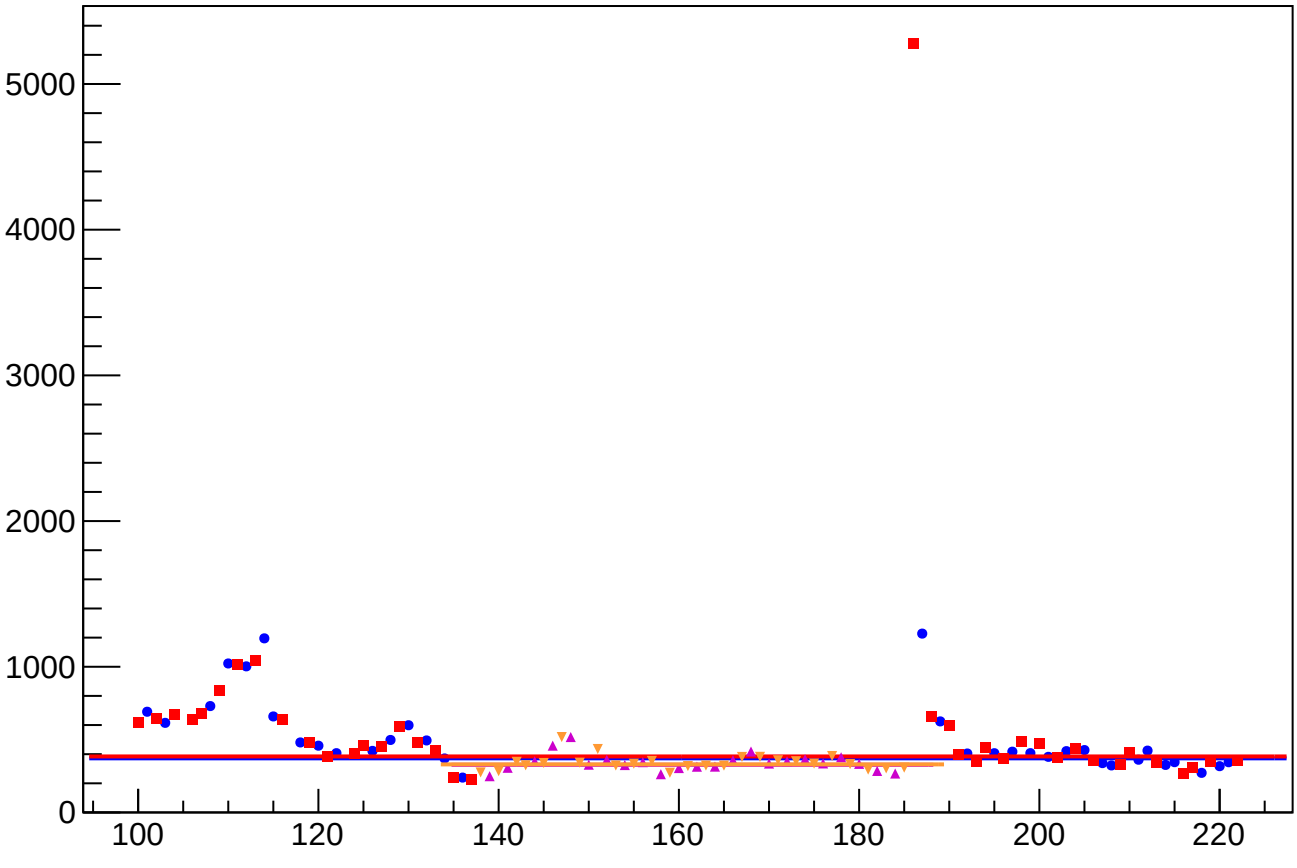
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -189.419+/-59.632 χ^2/NDF: 70.8/71

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -100.895+/-56.917 χ^2/NDF:68.0/62

All: -91.876+/-40.119 χ^2/NDF: 134.7/119



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 384.468+/-0.061 χ^2/NDF: 4255806.9/37

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

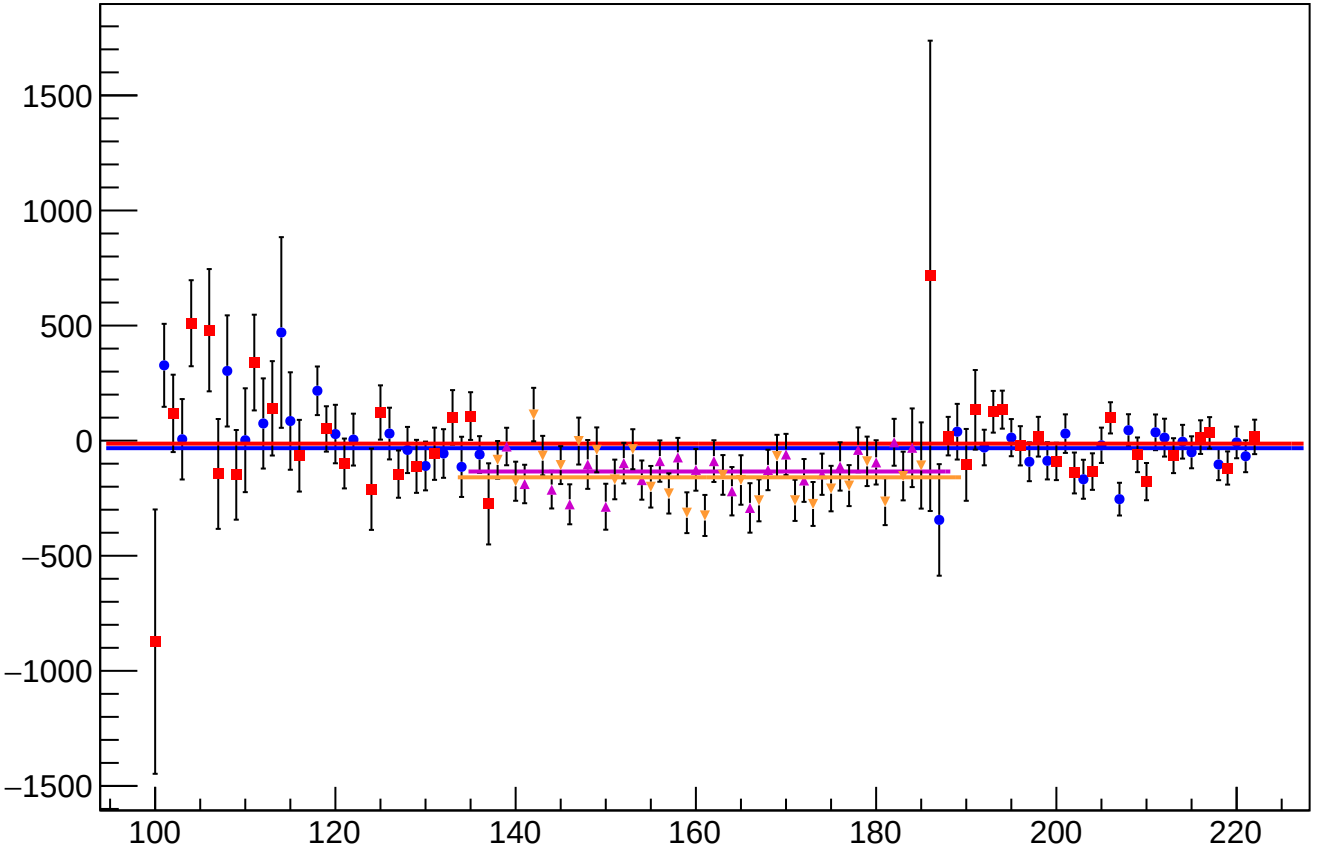
Right: 377.693+/-0.042 χ^2/NDF: 7591998.7/71

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 353.790+/-0.040 χ^2/NDF:5366247.5/62

All: 350.765+/-0.028 χ^2/NDF: 9897163.8/119

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -32.677+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -12.916+/-16.578 χ^2/NDF: 52.5/37

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

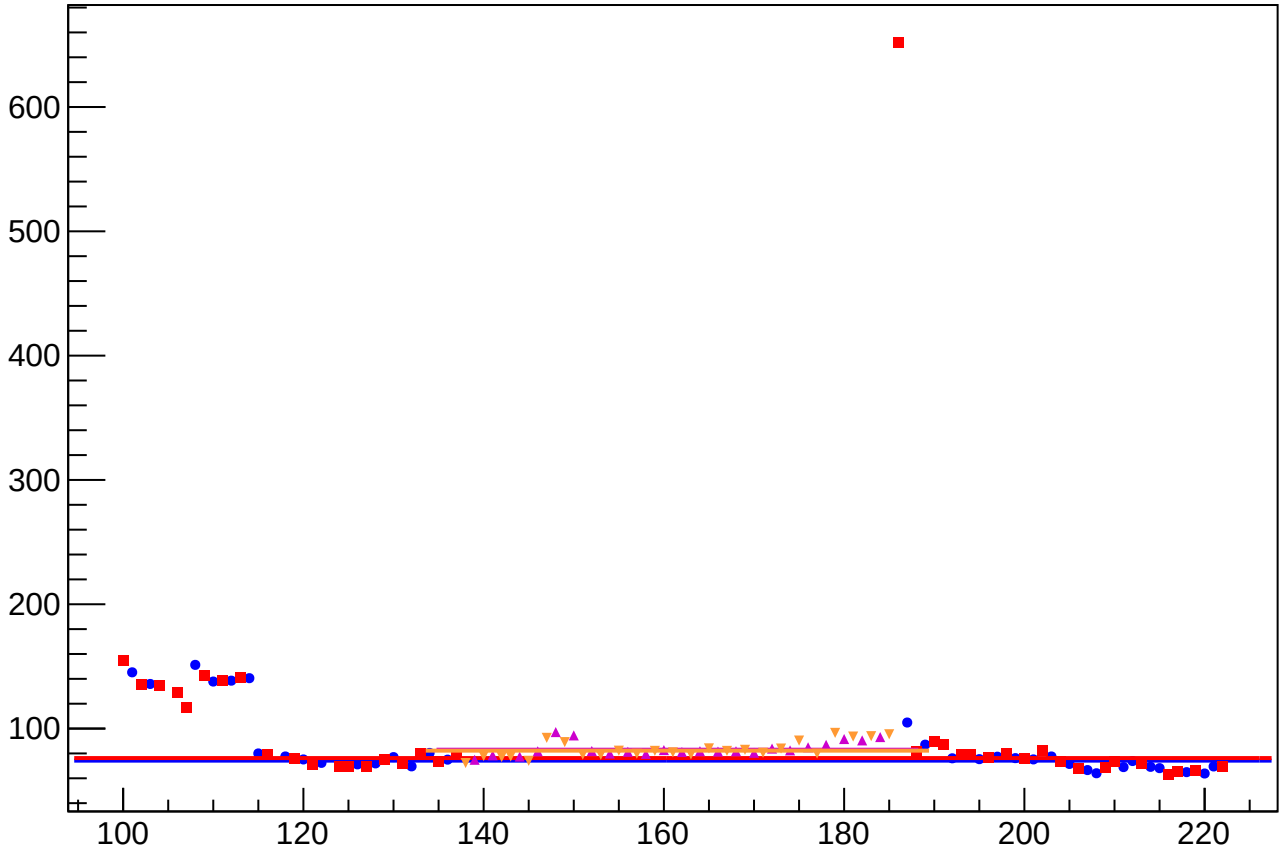
Right: -23.084+/-11.551 χ^2/NDF: 88.8/71

In: -73.909+/-12.401 χ^2/NDF:68.1/56

Out: -77.113+/-12.420 χ^2/NDF:114.9/62

All: -75.508+/-8.775 χ^2/NDF: 183.0/119

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: 76.270+/-0.012 χ^2/NDF: 2177503.3/37

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

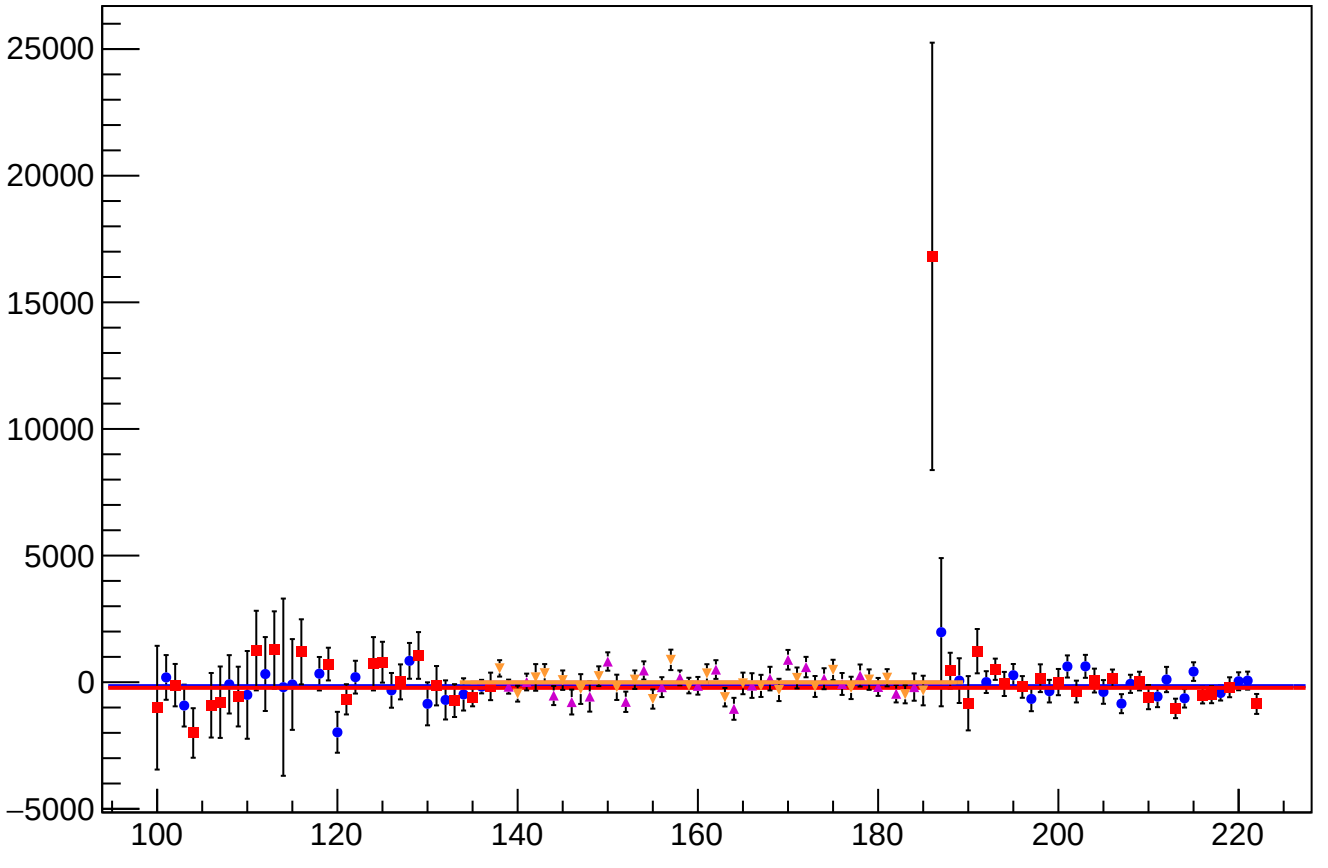
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 75.212+/-0.008 χ^2/NDF: 3655366.2/71

In: 77.786+/-0.009 χ^2/NDF:1849534.6/56

Out: 78.893+/-0.009 χ^2/NDF:2508136.5/62

All: 78.339+/-0.006 χ^2/NDF: 4365618.0/119



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: -222.449+/-89.162 χ^2/NDF: 38.8/37

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

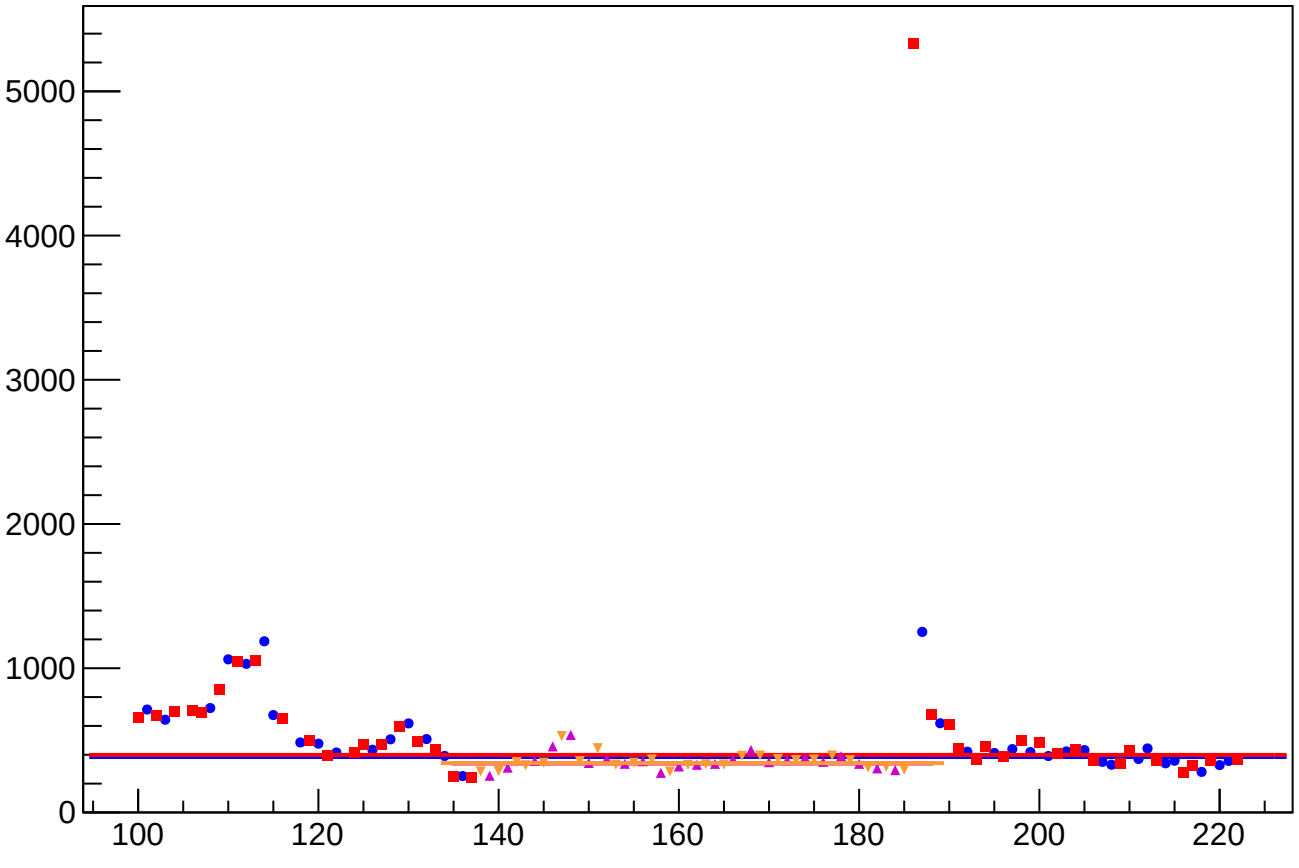
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -187.615+/-61.676 χ^2/NDF: 69.5/71

In: -81.900+/-58.544 χ^2/NDF:66.6/56

Out: -98.991+/-58.953 χ^2/NDF:65.8/62

All: -90.386+/-41.541 χ^2/NDF: 132.4/119



Right In: 384.384+/-0.060 χ^2/NDF: 3188490.3/33

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 399.038+/-0.063 χ^2/NDF: 4181921.9/37

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

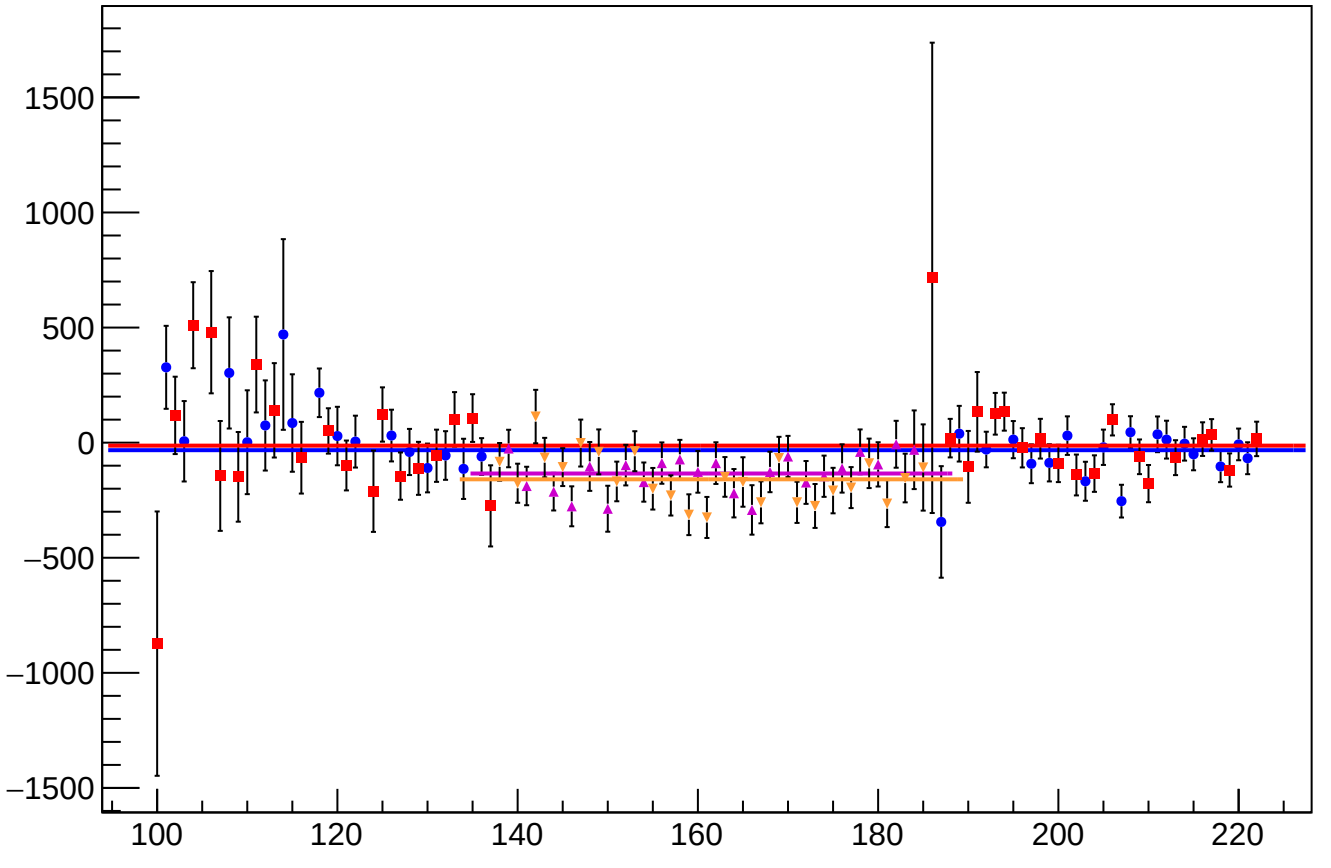
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 391.396+/-0.044 χ^2/NDF: 7398583.5/71

In: 360.554+/-0.041 χ^2/NDF:4328943.6/56

Out: 366.889+/-0.042 χ^2/NDF:5297828.9/62

All: 363.700+/-0.029 χ^2/NDF: 9638400.4/119



Right In: -32.676+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -12.917+/-16.578 χ^2/NDF: 52.5/37

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

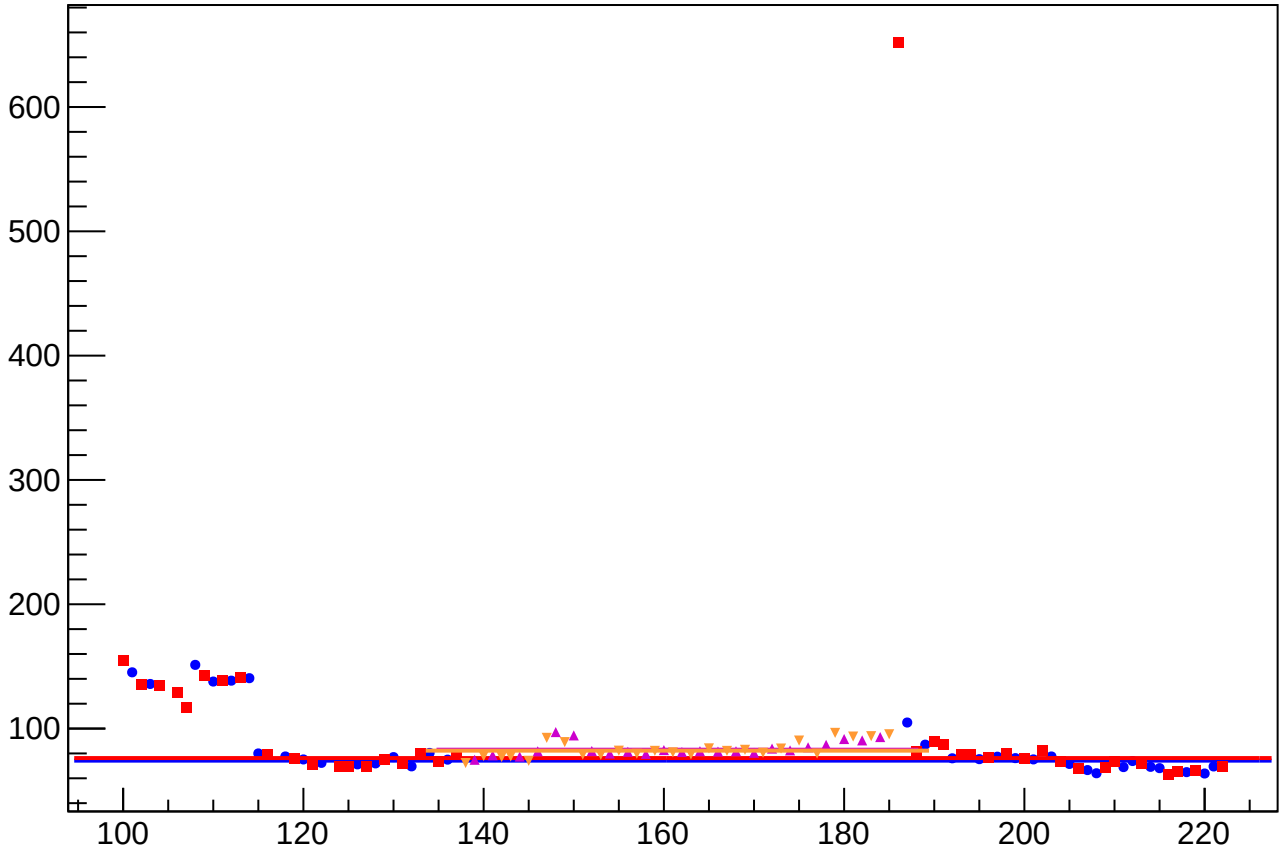
Right: -23.084+/-11.551 χ^2/NDF: 88.8/71

In: -73.908+/-12.401 χ^2/NDF:68.1/56

Out: -77.113+/-12.420 χ^2/NDF:114.9/62

All: -75.508+/-8.775 χ^2/NDF: 183.0/119

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: 76.270+/-0.012 χ^2/NDF: 2177503.9/37

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

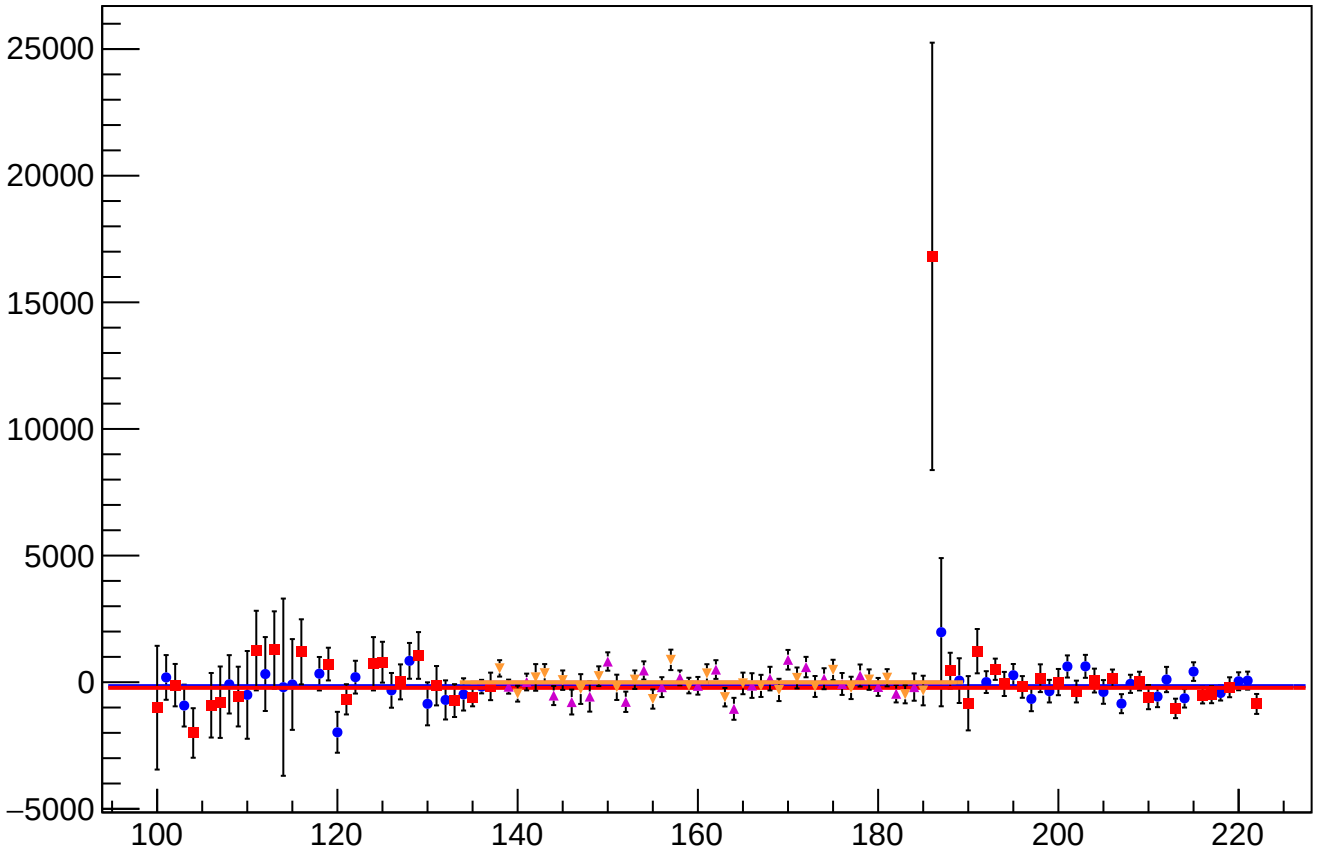
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 75.212+/-0.008 χ^2/NDF: 3655367.1/71

In: 77.786+/-0.009 χ^2/NDF:1849539.6/56

Out: 78.892+/-0.009 χ^2/NDF:2508142.6/62

All: 78.338+/-0.006 χ^2/NDF: 4365629.0/119



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: -222.449+/-89.162 χ^2/NDF: 38.8/37

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

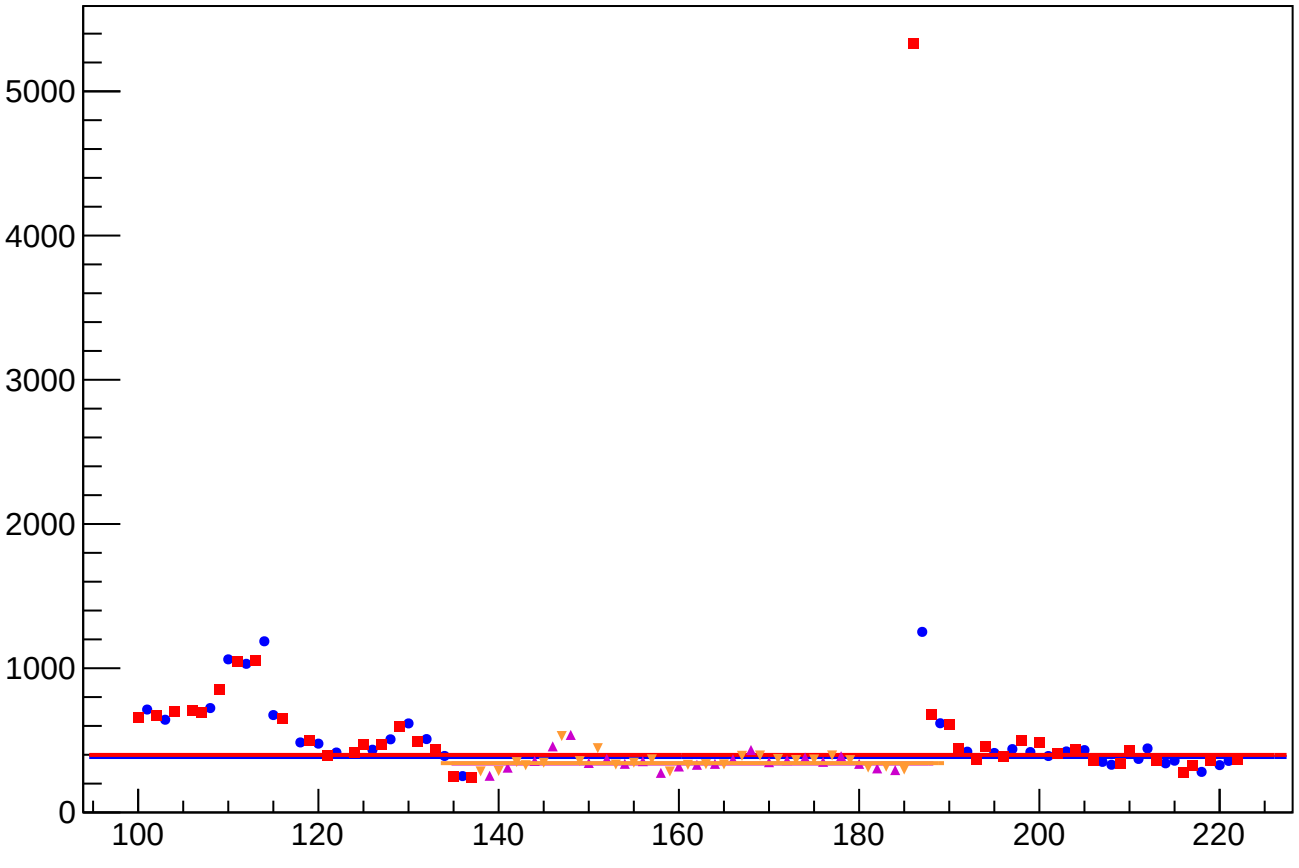
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -187.615+/-61.676 χ^2/NDF: 69.5/71

In: -81.899+/-58.544 χ^2/NDF:66.6/56

Out: -98.991+/-58.953 χ^2/NDF:65.8/62

All: -90.386+/-41.541 χ^2/NDF: 132.4/119



Right In: 384.384+/-0.060 χ^2/NDF: 3188494.2/33

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 399.037+/-0.063 χ^2/NDF: 4181929.2/37

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

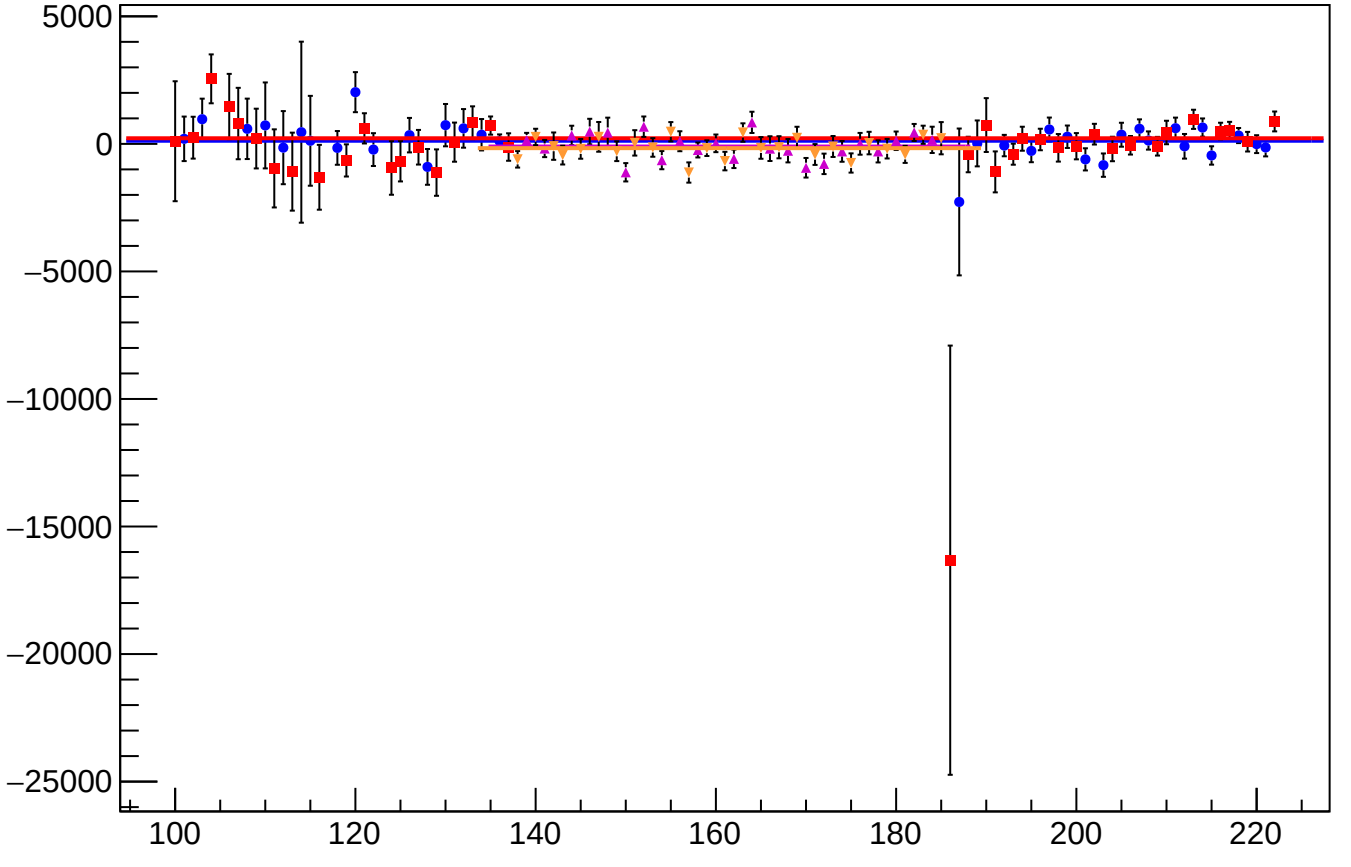
Right: 391.395+/-0.044 χ^2/NDF: 7398594.2/71

In: 360.554+/-0.041 χ^2/NDF:4328942.4/56

Out: 366.889+/-0.042 χ^2/NDF:5297825.5/62

All: 363.699+/-0.029 χ^2/NDF: 9638395.9/119

asym_sam1_mean vs Slug, Sign Corrected



Right In: 123.327+/-84.422 χ^2/NDF: 30.4/33

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 219.981+/-87.840 χ^2/NDF: 42.2/37

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

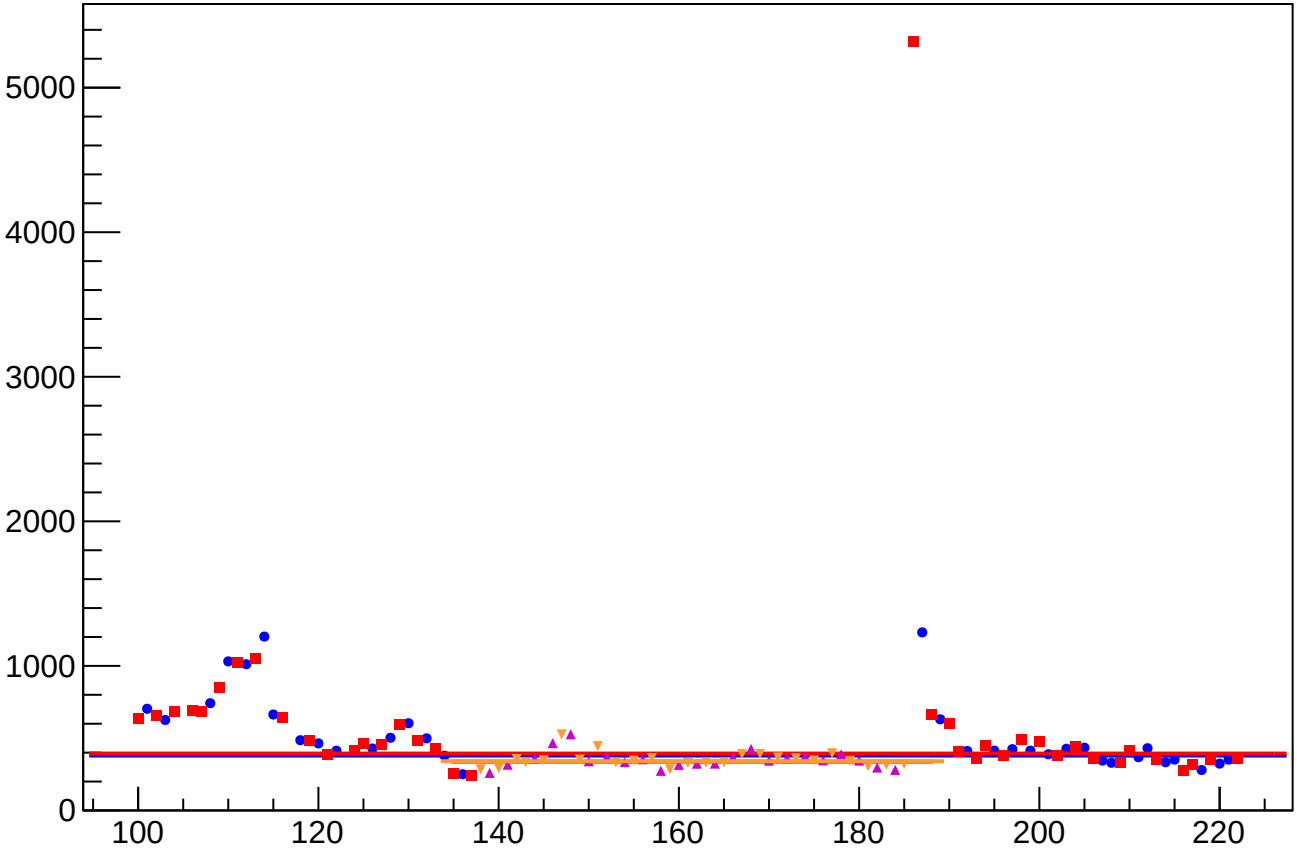
Right: 169.737+/-60.868 χ^2/NDF: 73.2/71

In: 3.539+/-58.067 χ^2/NDF:71.7/56

Out: 3.836+/-58.399 χ^2/NDF:78.6/62

All: 3.686+/-41.177 χ^2/NDF: 150.3/119

asym_sam1_rms vs Slug, Sign Corrected



Right In: 380.073+/-0.060 χ^2/NDF: 3164274.3/33

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 393.404+/-0.062 χ^2/NDF: 4133263.2/37

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

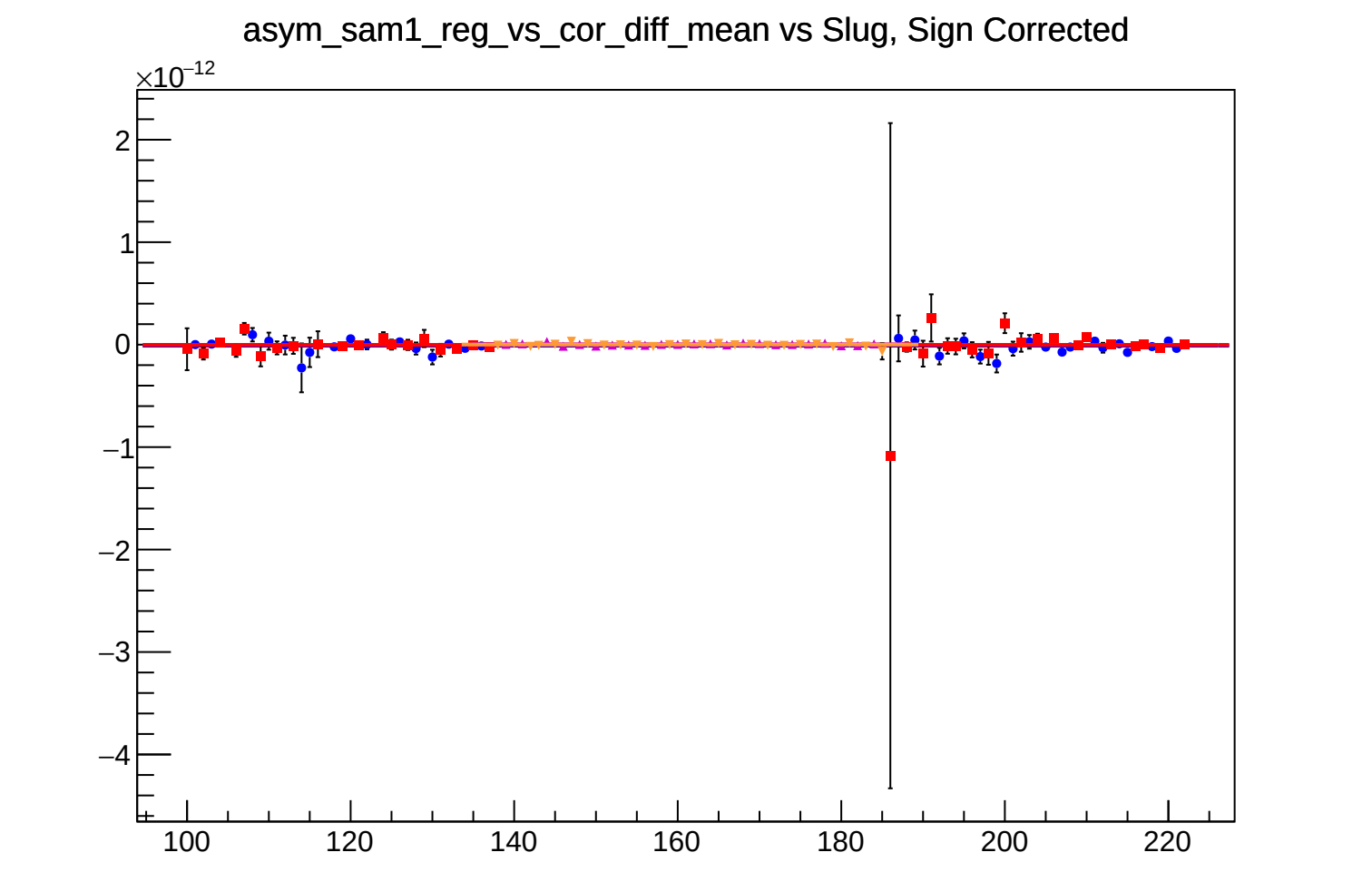
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 386.474+/-0.043 χ^2/NDF: 7321482.8/71

In: 357.778+/-0.041 χ^2/NDF:4249694.0/56

Out: 363.823+/-0.041 χ^2/NDF:5143901.4/62

All: 360.783+/-0.029 χ^2/NDF: 9404373.7/119



Right In: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/37

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

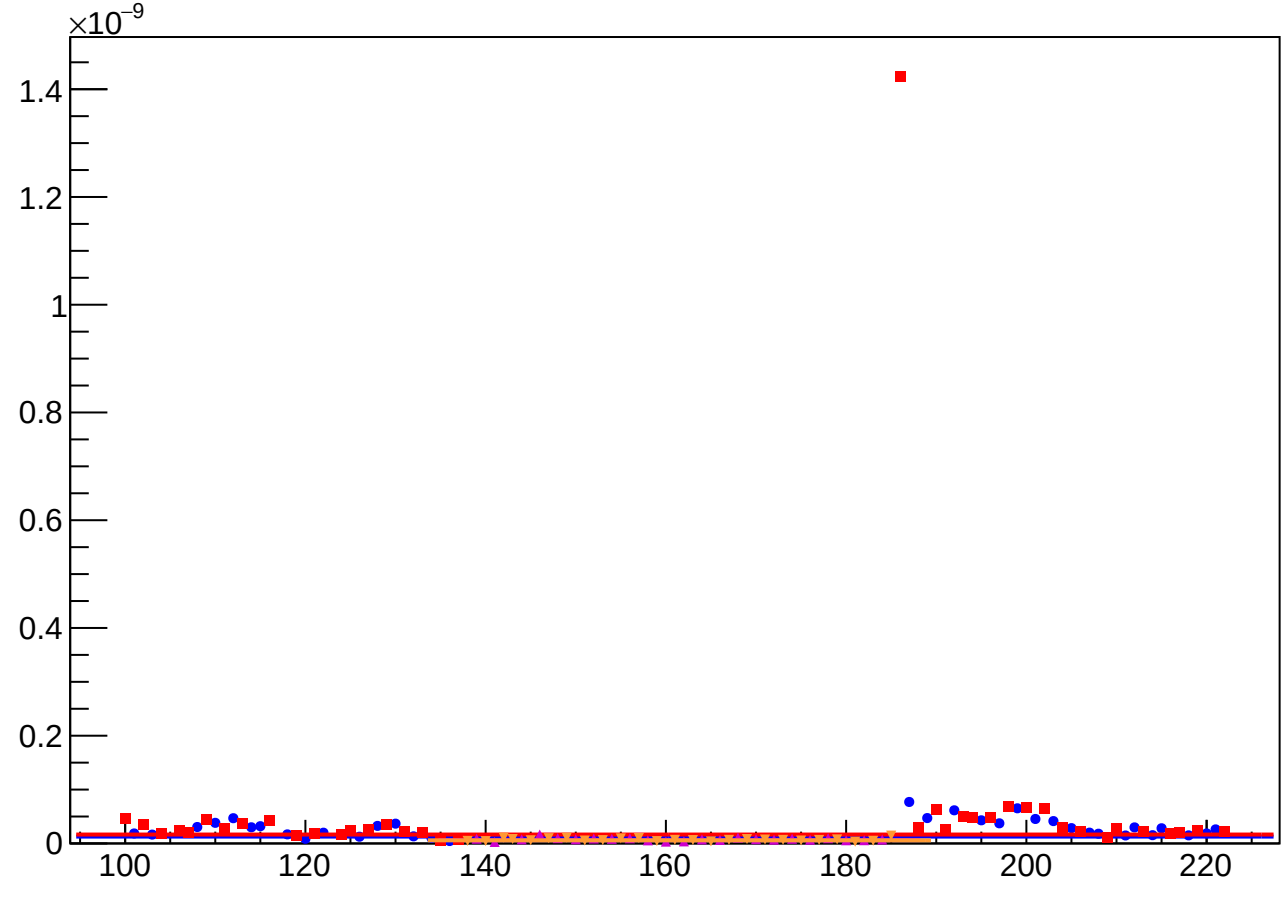
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 75.2/71

In: 0.000+/-0.000 χ^2/NDF:56.9/56

Out: 0.000+/-0.000 χ^2/NDF:51.6/62

All: 0.000+/-0.000 χ^2/NDF: 108.4/119



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: 7541839.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

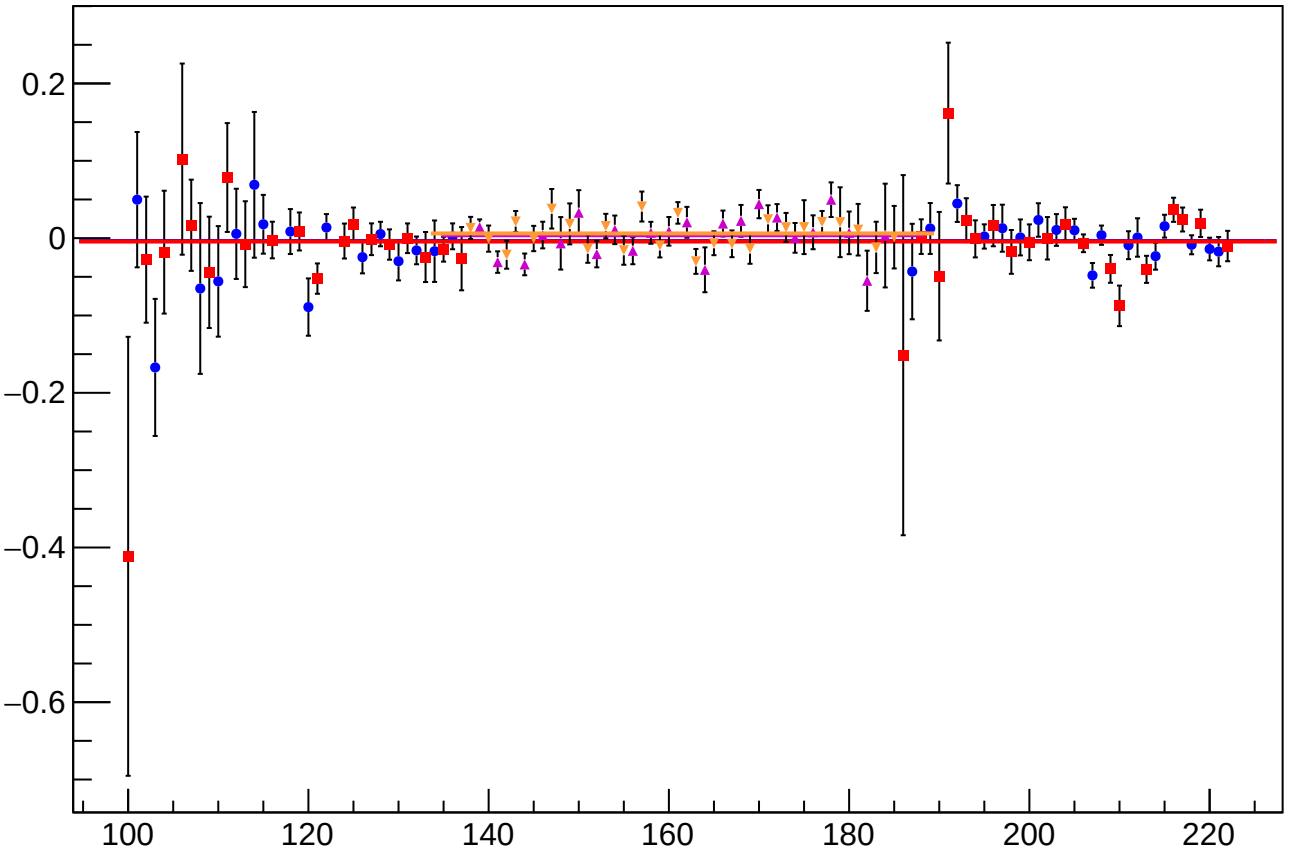
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16454853.2/71

In: 0.000+/-0.000 χ^2/NDF:13051408.2/56

Out: 0.000+/-0.000 χ^2/NDF:13895163.3/62

All: 0.000+/-0.000 χ^2/NDF: 26988496.0/119



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: 50.4/37

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

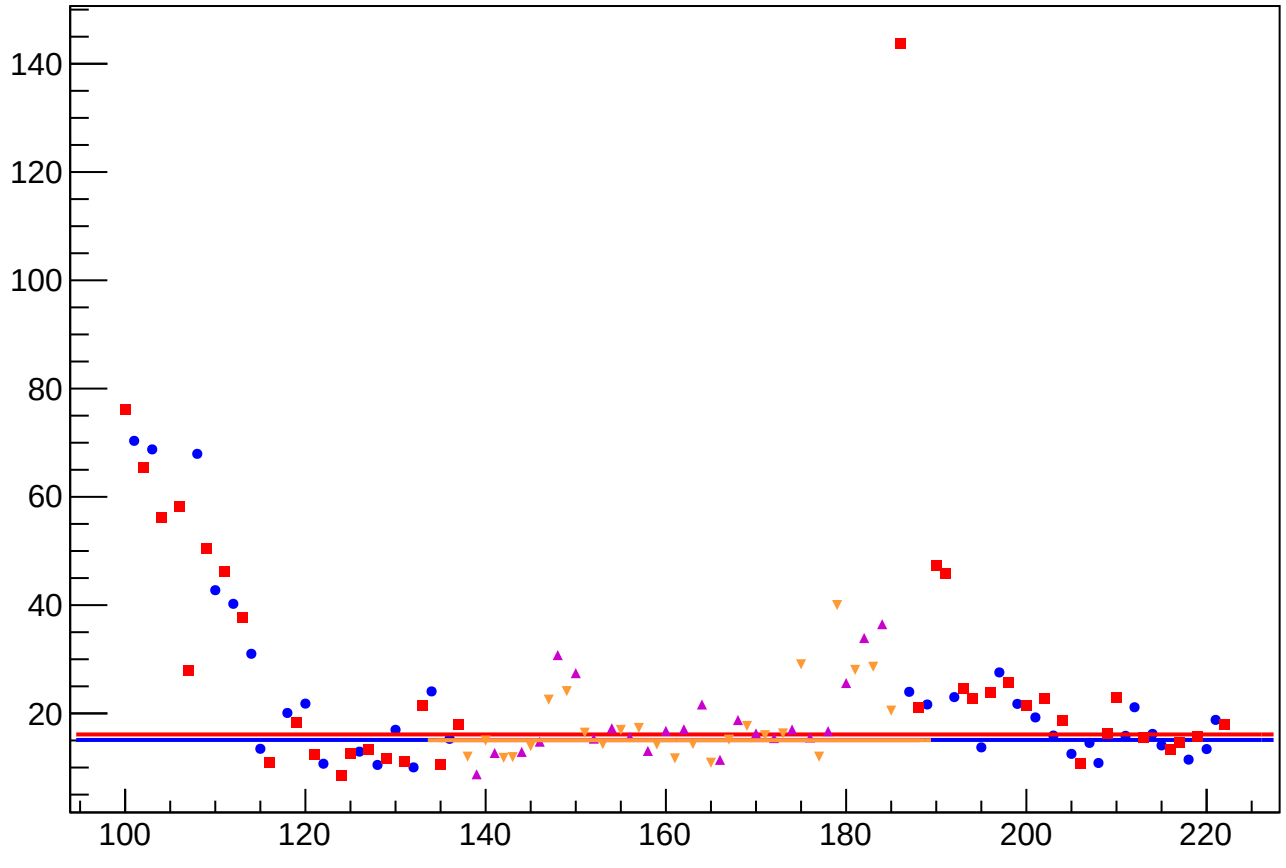
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 86.2/71

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.9/62

All: 0.000+/-0.002 χ^2/NDF: 156.0/119



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: 16.113+/-0.003 χ^2/NDF: 6657772.7/37

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

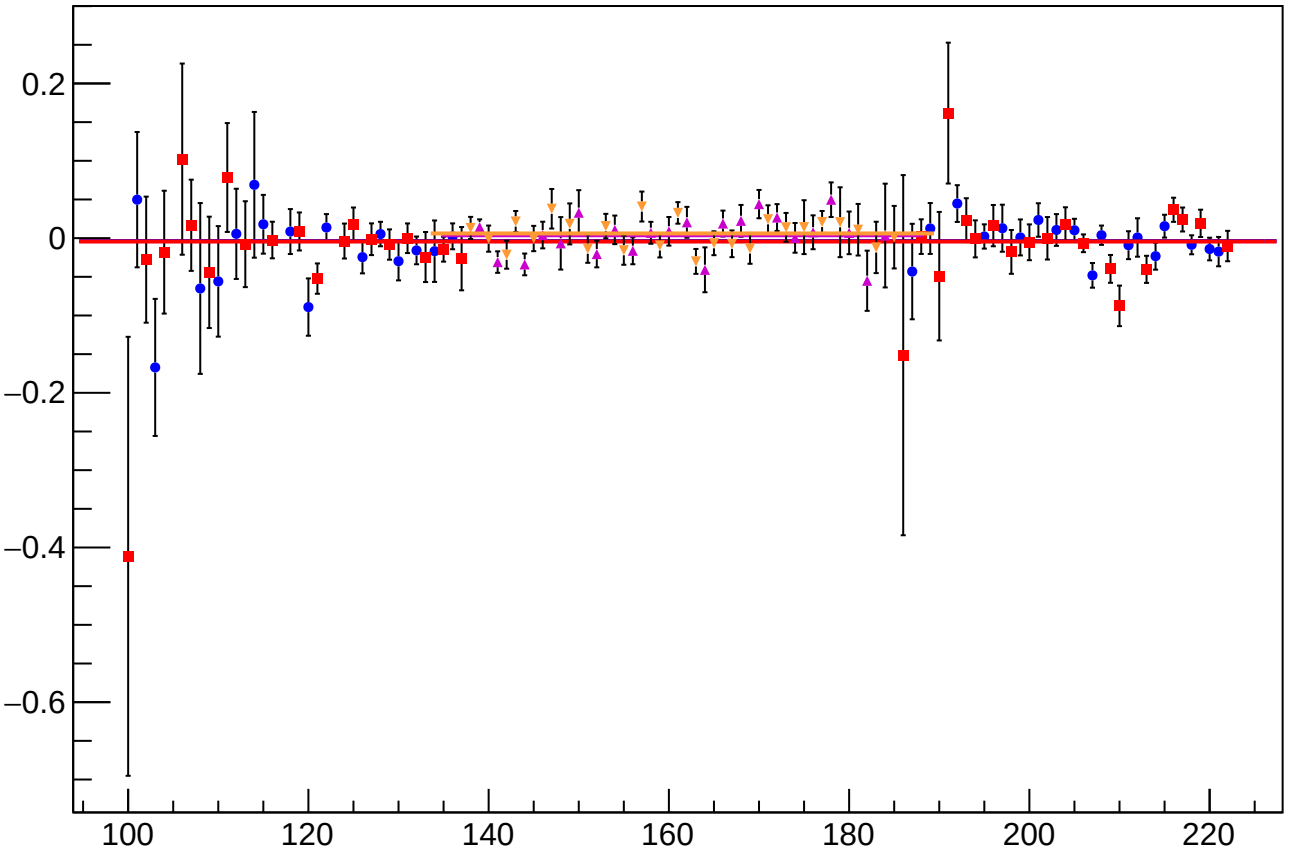
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.567+/-0.002 χ^2/NDF: 11818478.6/71

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.555+/-0.002 χ^2/NDF:9495857.1/62

All: 15.315+/-0.001 χ^2/NDF: 17680602.1/119



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: 50.4/37

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

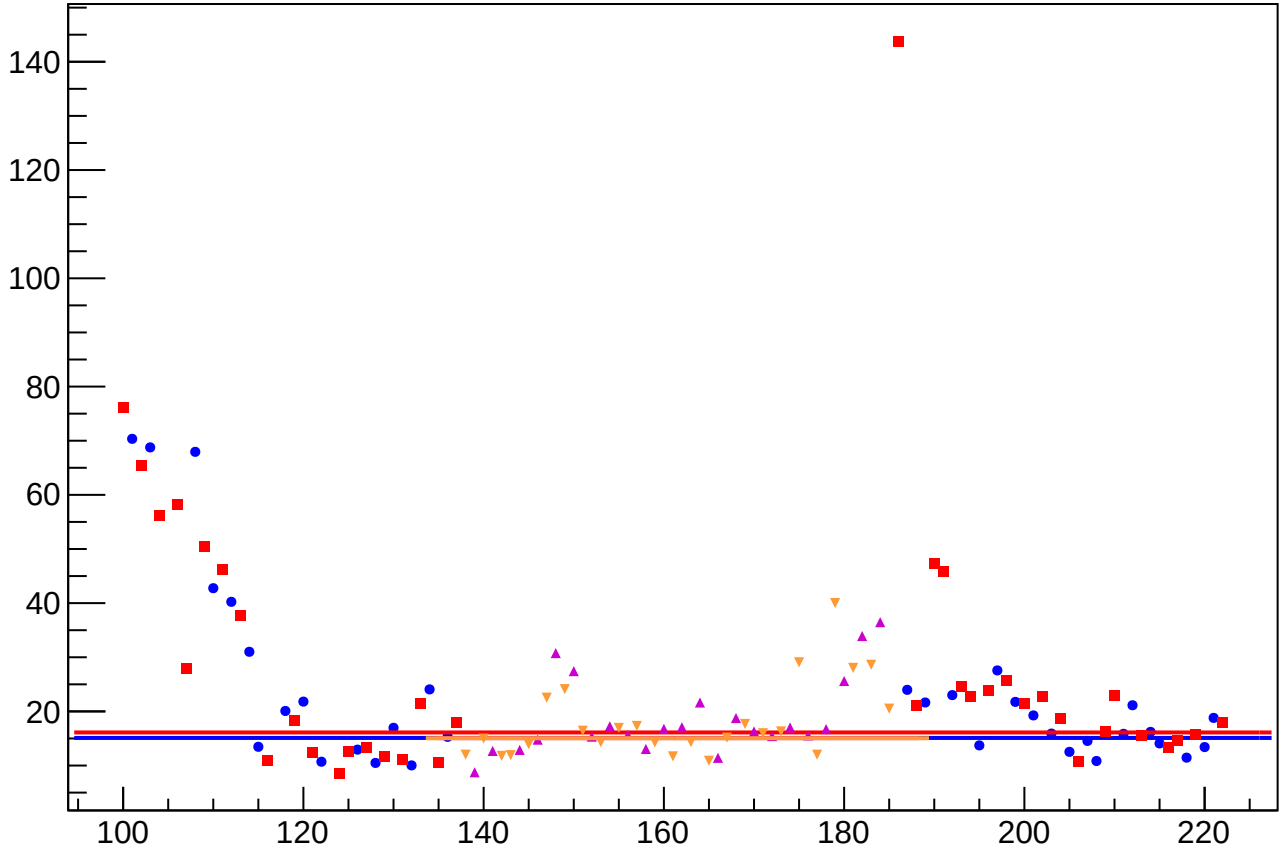
Right: -0.004+/-0.003 χ^2/NDF: 86.2/71

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.9/62

All: 0.000+/-0.002 χ^2/NDF: 156.0/119

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 16.113+/-0.003 χ^2/NDF: 6657772.7/37

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

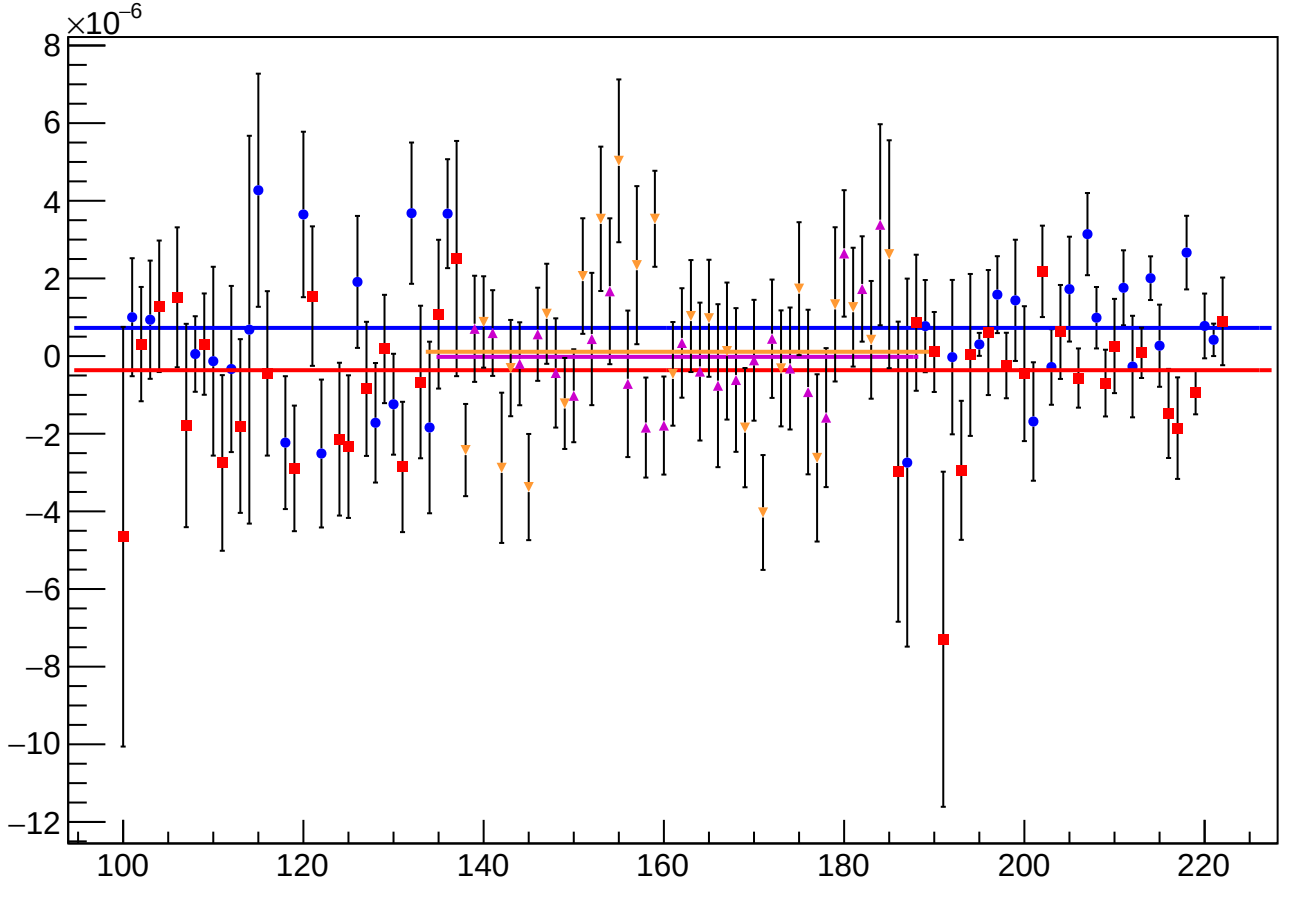
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.567+/-0.002 χ^2/NDF: 11818478.6/71

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.555+/-0.002 χ^2/NDF:9495857.1/62

All: 15.315+/-0.001 χ^2/NDF: 17680602.1/119



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/37

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

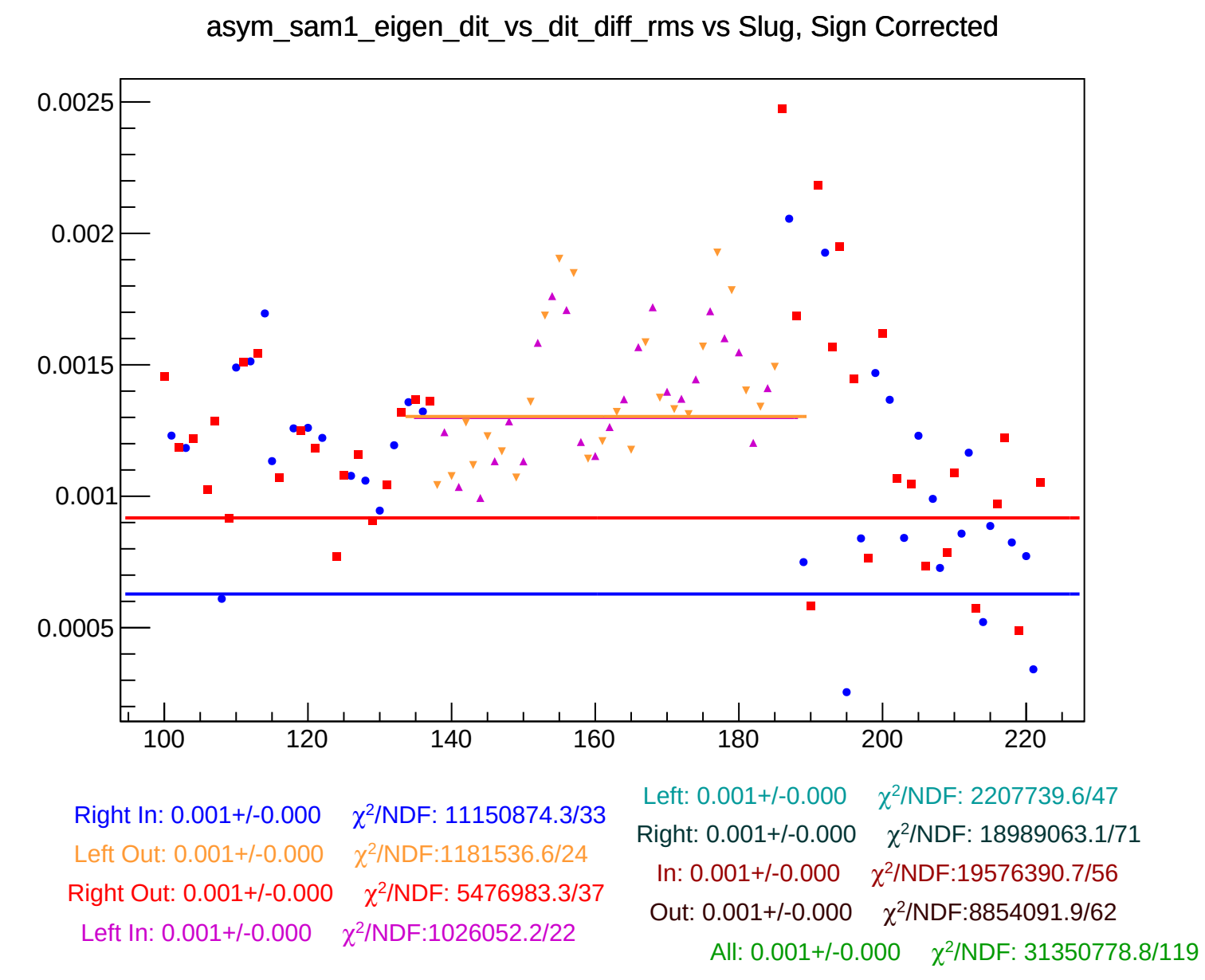
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

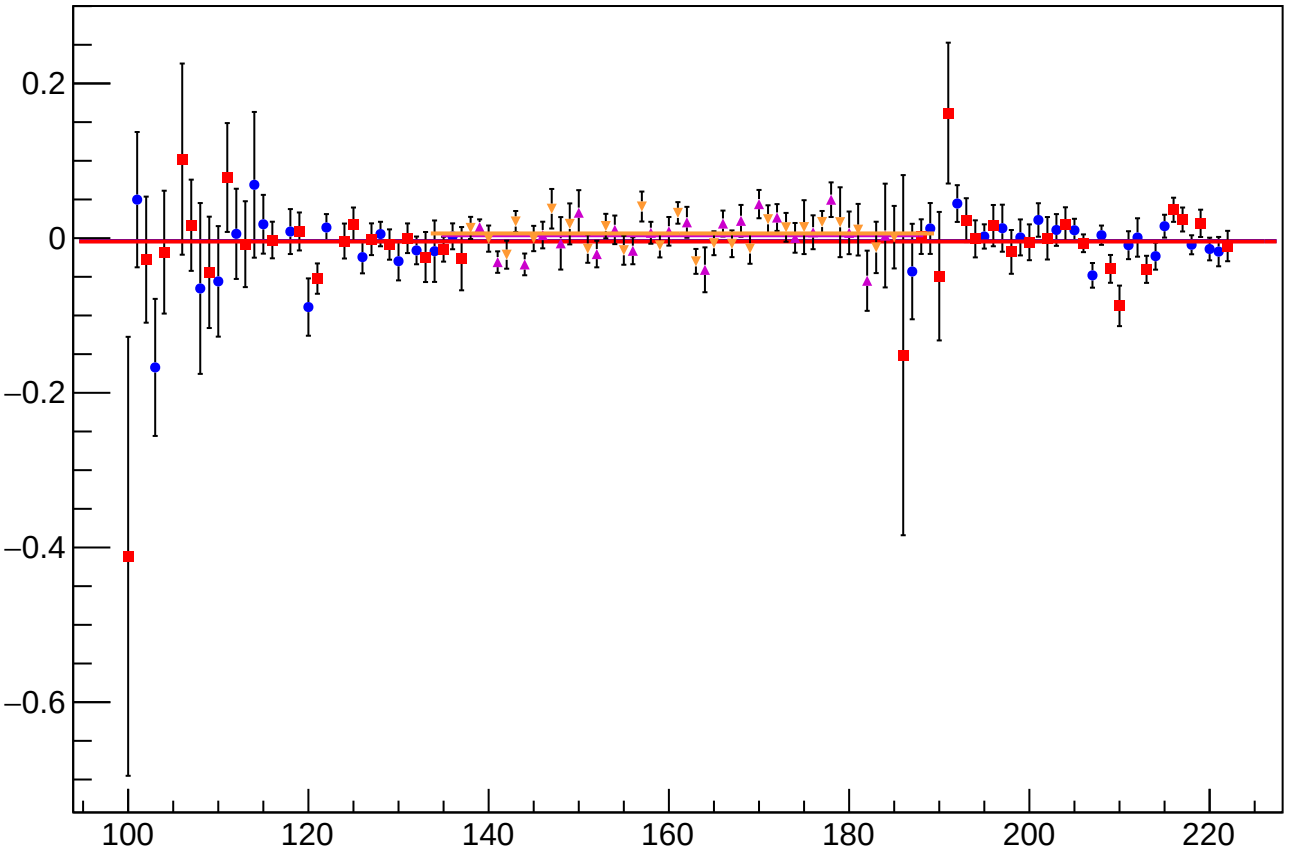
Right: 0.000+/-0.000 χ^2/NDF: 96.8/71

In: 0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:83.1/62

All: 0.000+/-0.000 χ^2/NDF: 162.2/119


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: 5476983.3/37
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: 18989063.1/71
In: 0.001+/-0.000 χ²/NDF:19576390.7/56
Out: 0.001+/-0.000 χ²/NDF:8854091.9/62
All: 0.001+/-0.000 χ²/NDF: 31350778.8/119



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: 50.4/37

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

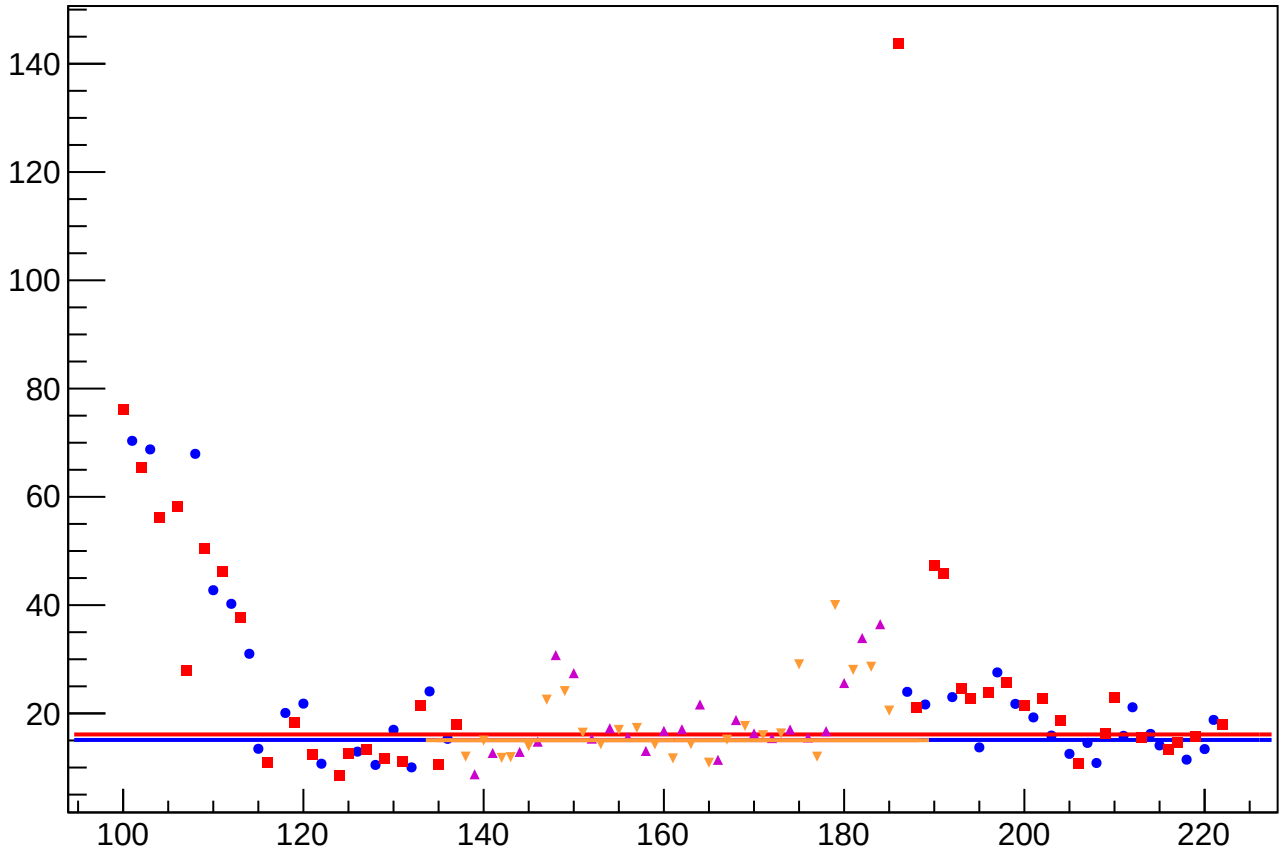
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 86.2/71

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.9/62

All: 0.000+/-0.002 χ^2/NDF: 156.0/119



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: 16.112+/-0.003 χ^2/NDF: 6657762.7/37

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

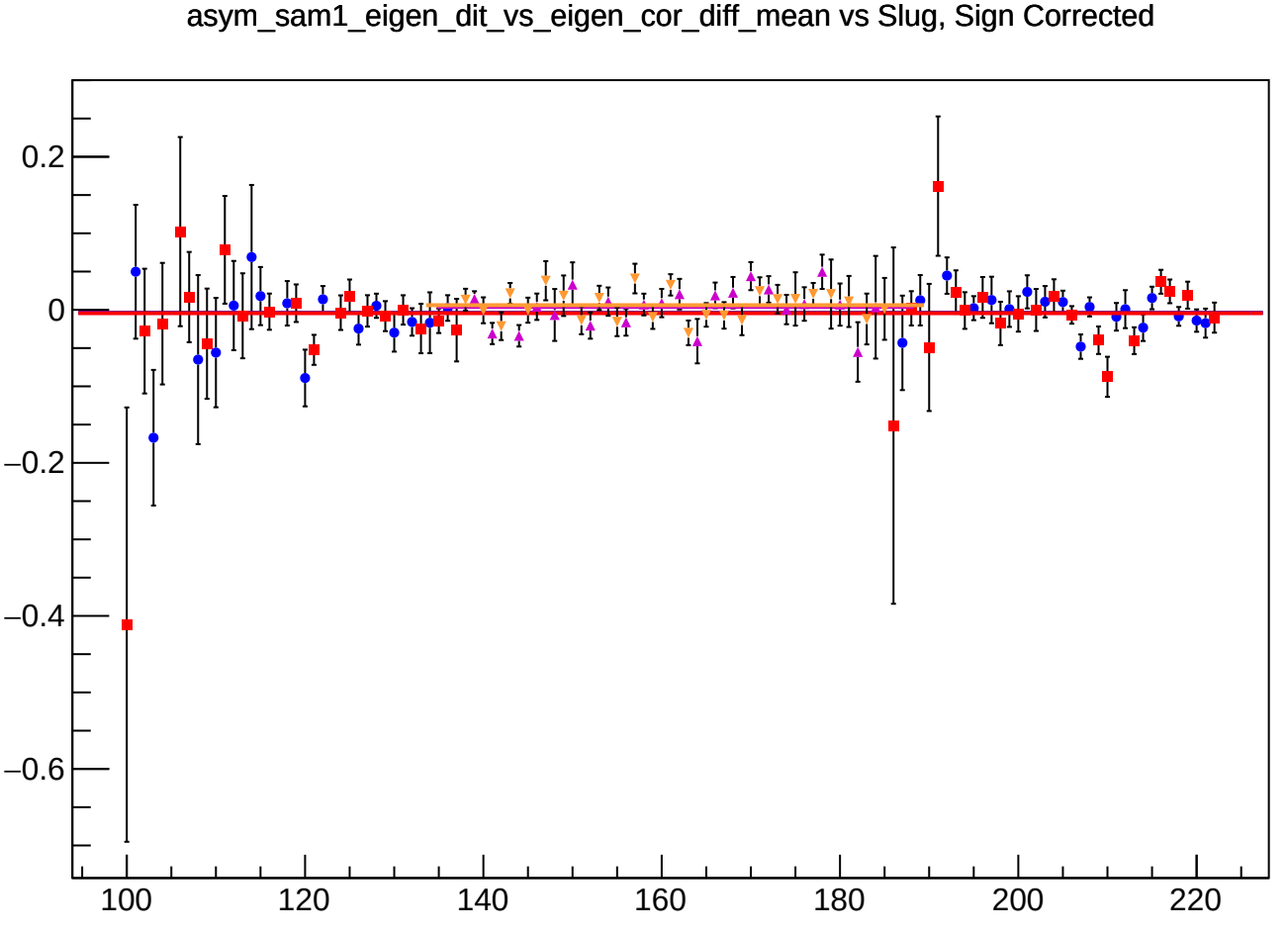
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.567+/-0.002 χ^2/NDF: 11818486.5/71

In: 15.083+/-0.002 χ^2/NDF:8152958.1/56

Out: 15.554+/-0.002 χ^2/NDF:9496050.1/62

All: 15.314+/-0.001 χ^2/NDF: 17680848.3/119



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: 50.4/37

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

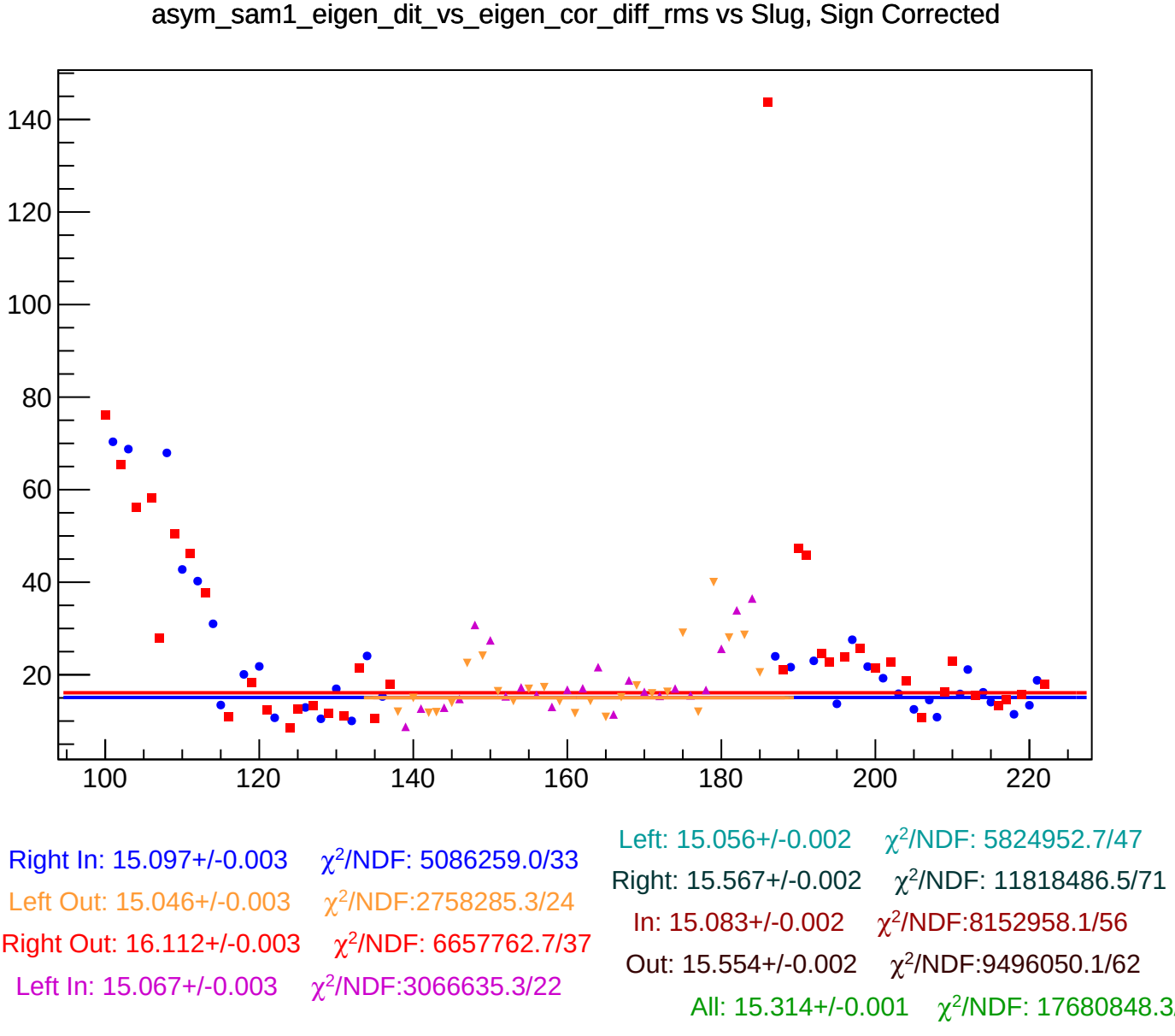
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

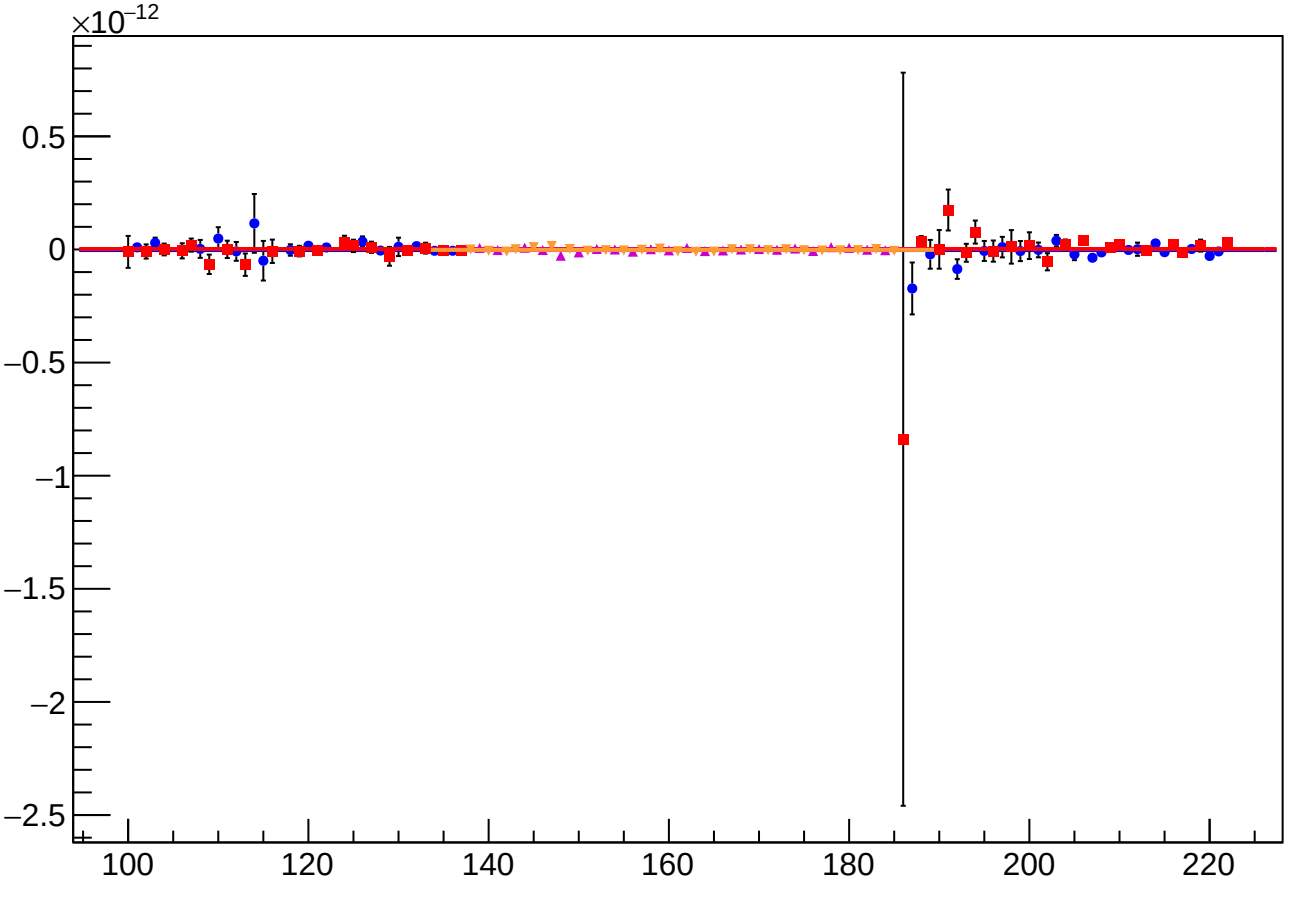
Right: -0.004+/-0.003 χ^2/NDF: 86.2/71

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.9/62

All: 0.000+/-0.002 χ^2/NDF: 156.0/119


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
140
120
100
80
60
40
20
100
120
140
160
180
200
220
Right In: 15.097+/-0.003 χ²/NDF: 5086259.0/33
Left Out: 15.046+/-0.003 χ²/NDF:2758285.3/24
Right Out: 16.112+/-0.003 χ²/NDF: 6657762.7/37
Left In: 15.067+/-0.003 χ²/NDF:3066635.3/22
Left: 15.056+/-0.002 χ²/NDF: 5824952.7/47
Right: 15.567+/-0.002 χ²/NDF: 11818486.5/71
In: 15.083+/-0.002 χ²/NDF:8152958.1/56
Out: 15.554+/-0.002 χ²/NDF:9496050.1/62
All: 15.314+/-0.001 χ²/NDF: 17680848.3/119



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: 28.9/37

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

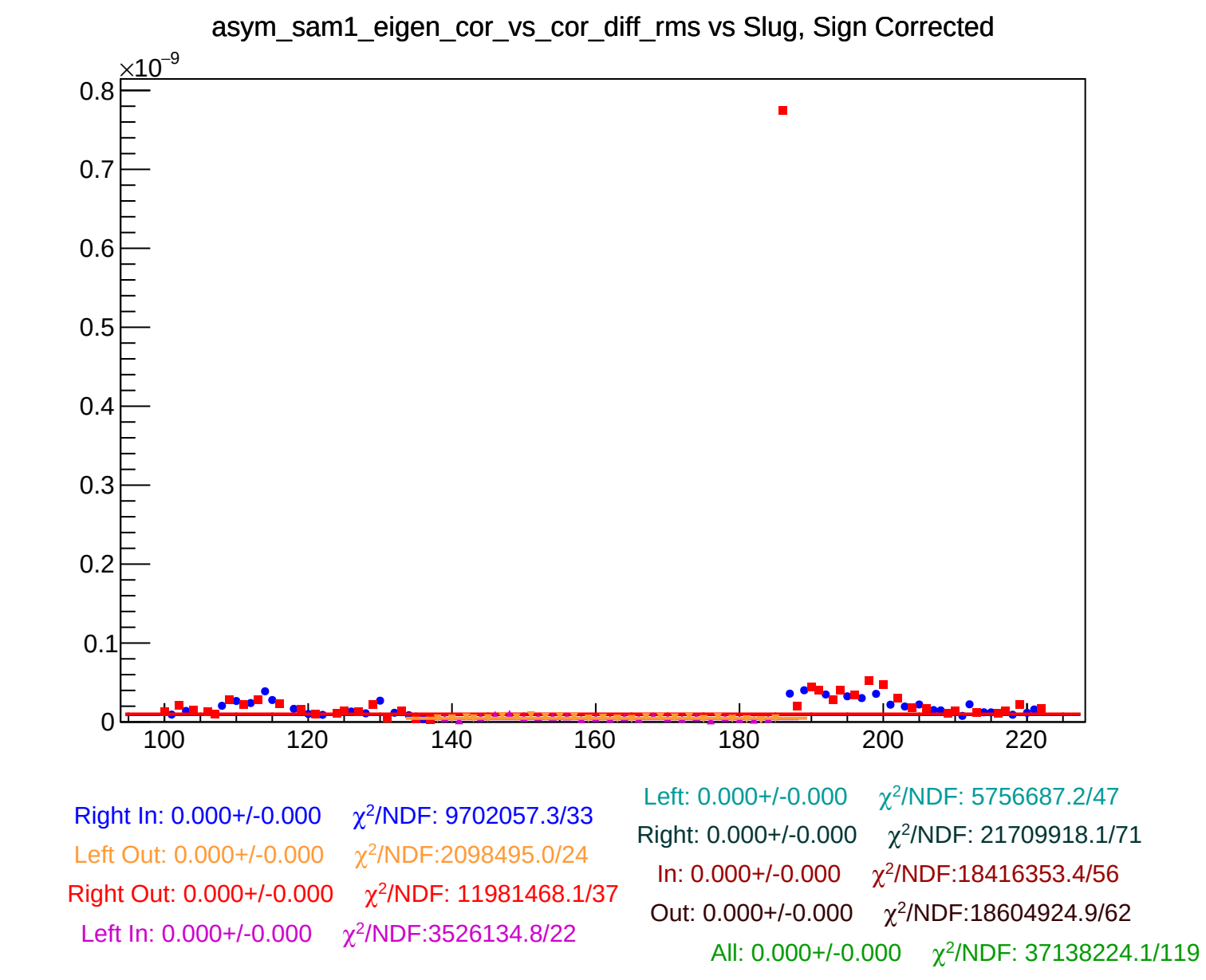
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 60.1/71

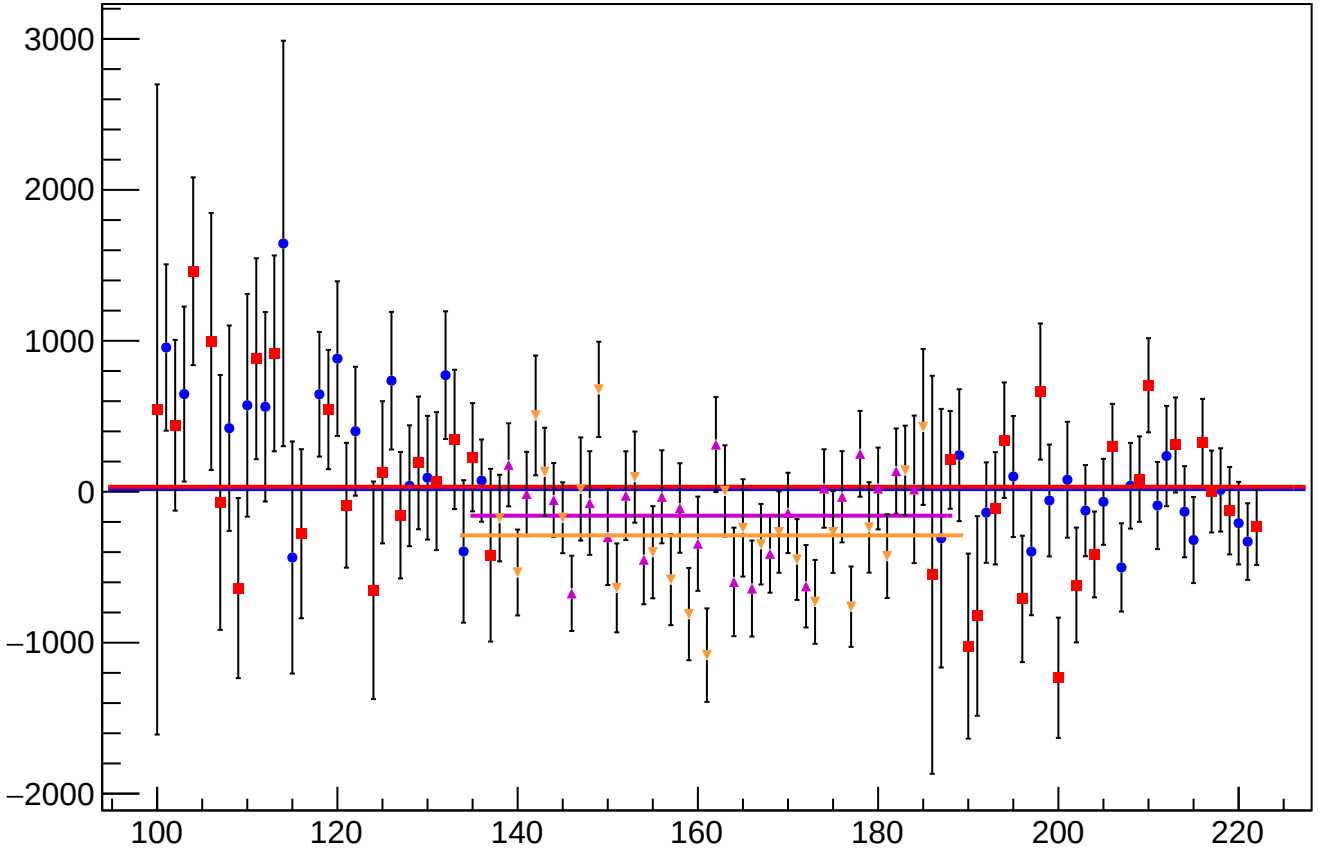
In: -0.000+/-0.000 χ^2/NDF:51.8/56

Out: -0.000+/-0.000 χ^2/NDF:45.3/62

All: -0.000+/-0.000 χ^2/NDF: 97.1/119


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9702057.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11981468.1/37
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 21709918.1/71
In: 0.000+/-0.000 χ²/NDF:18416353.4/56
Out: 0.000+/-0.000 χ²/NDF:18604924.9/62
All: 0.000+/-0.000 χ²/NDF: 37138224.1/119

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: 32.944+/-65.498 χ^2/NDF: 52.0/37

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

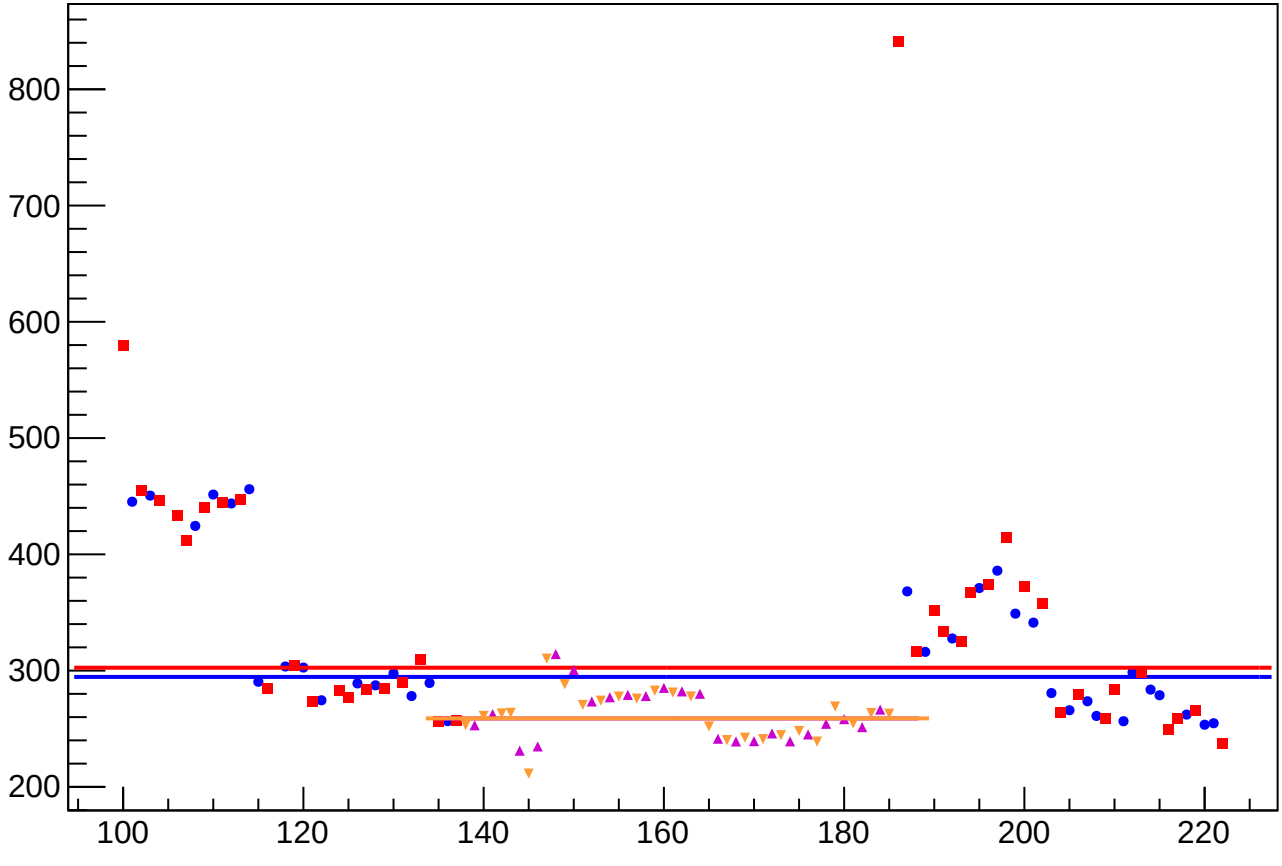
Right: 25.052+/-45.680 χ^2/NDF: 82.0/71

In: -74.800+/-43.959 χ^2/NDF:56.5/56

Out: -144.651+/-43.852 χ^2/NDF:107.7/62

All: -109.811+/-31.046 χ^2/NDF: 165.5/119

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 294.565+/-0.045 χ^2/NDF: 1156118.1/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 302.506+/-0.046 χ^2/NDF: 1833659.3/37

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

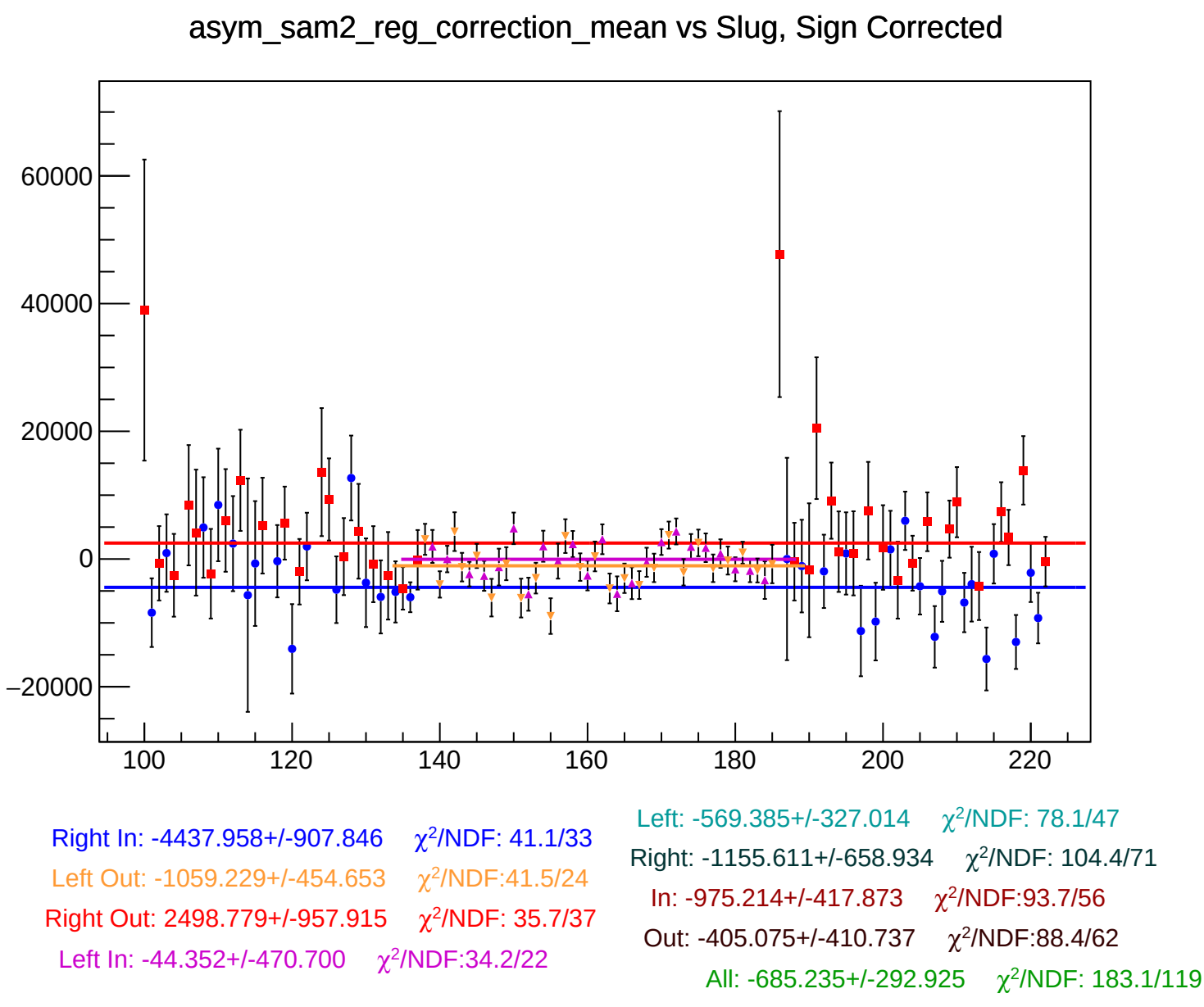
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

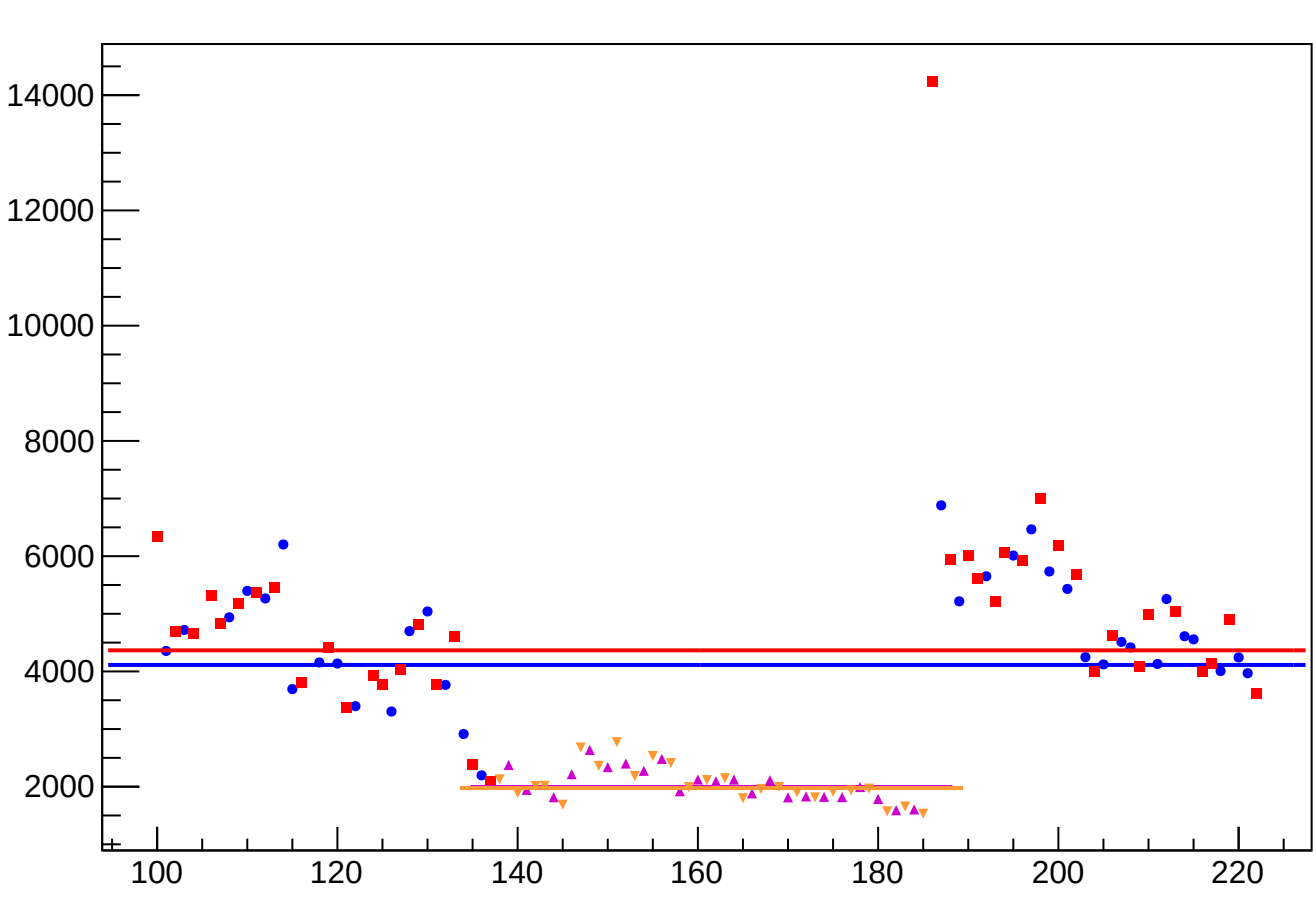
Right: 298.427+/-0.032 χ^2/NDF: 3004879.6/71

In: 275.834+/-0.031 χ^2/NDF:1730453.8/56

Out: 278.453+/-0.031 χ^2/NDF:2571257.0/62

All: 277.147+/-0.022 χ^2/NDF: 4305267.4/119


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4437.958+/-907.846 χ²/NDF: 41.1/33
Left Out: -1059.229+/-454.653 χ²/NDF:41.5/24
Right Out: 2498.779+/-957.915 χ²/NDF: 35.7/37
Left In: -44.352+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -1155.611+/-658.934 χ²/NDF: 104.4/71
In: -975.214+/-417.873 χ²/NDF:93.7/56
Out: -405.075+/-410.737 χ²/NDF:88.4/62
All: -685.235+/-292.925 χ²/NDF: 183.1/119



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: 4365.904+/-0.677 χ^2/NDF: 3049804.4/37

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

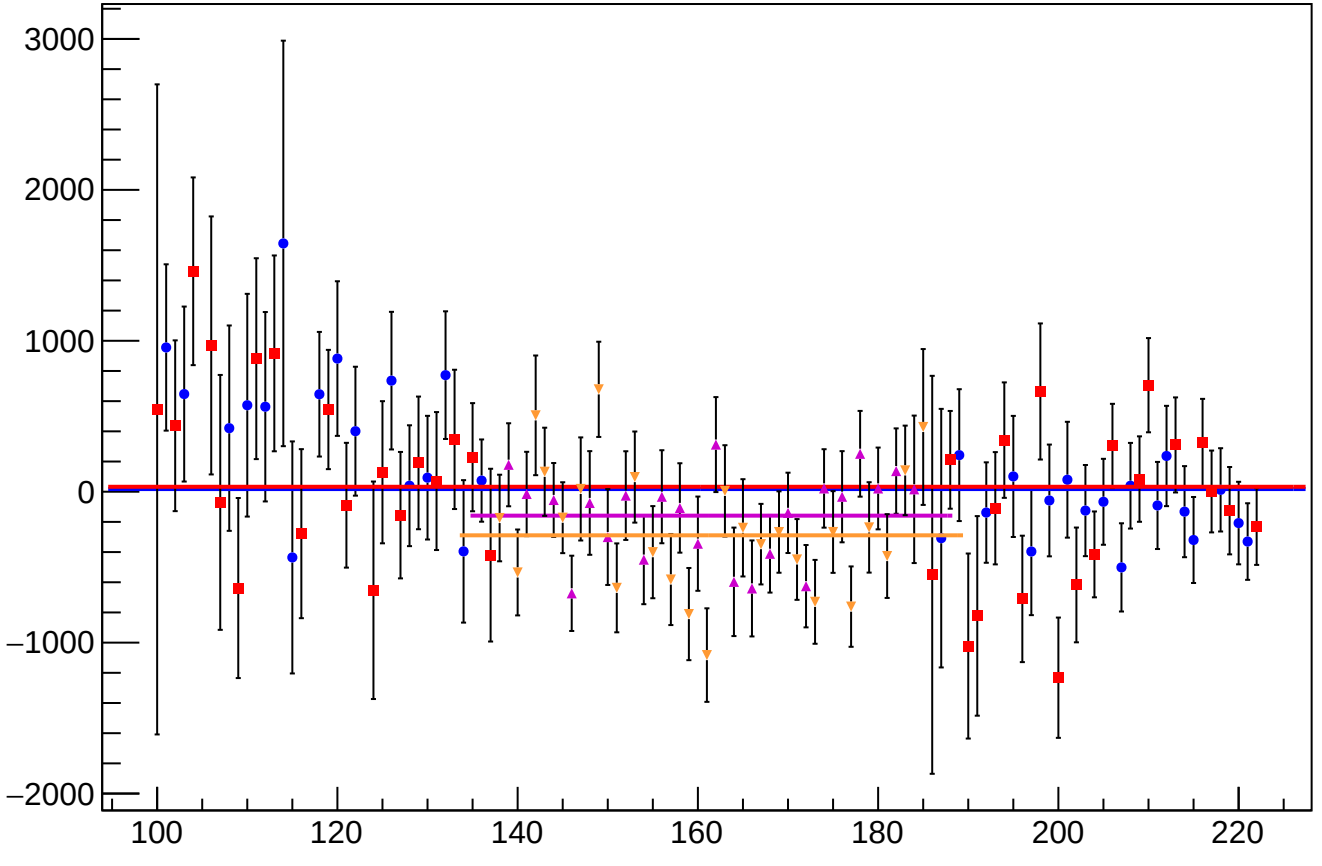
Right: 4232.432+/-0.466 χ^2/NDF: 5921494.4/71

In: 2443.450+/-0.295 χ^2/NDF:11975677.5/56

Out: 2415.367+/-0.290 χ^2/NDF:13973661.1/62

All: 2429.167+/-0.207 χ^2/NDF: 25953933.1/1

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: 32.683+/-65.500 χ^2/NDF: 51.9/37

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

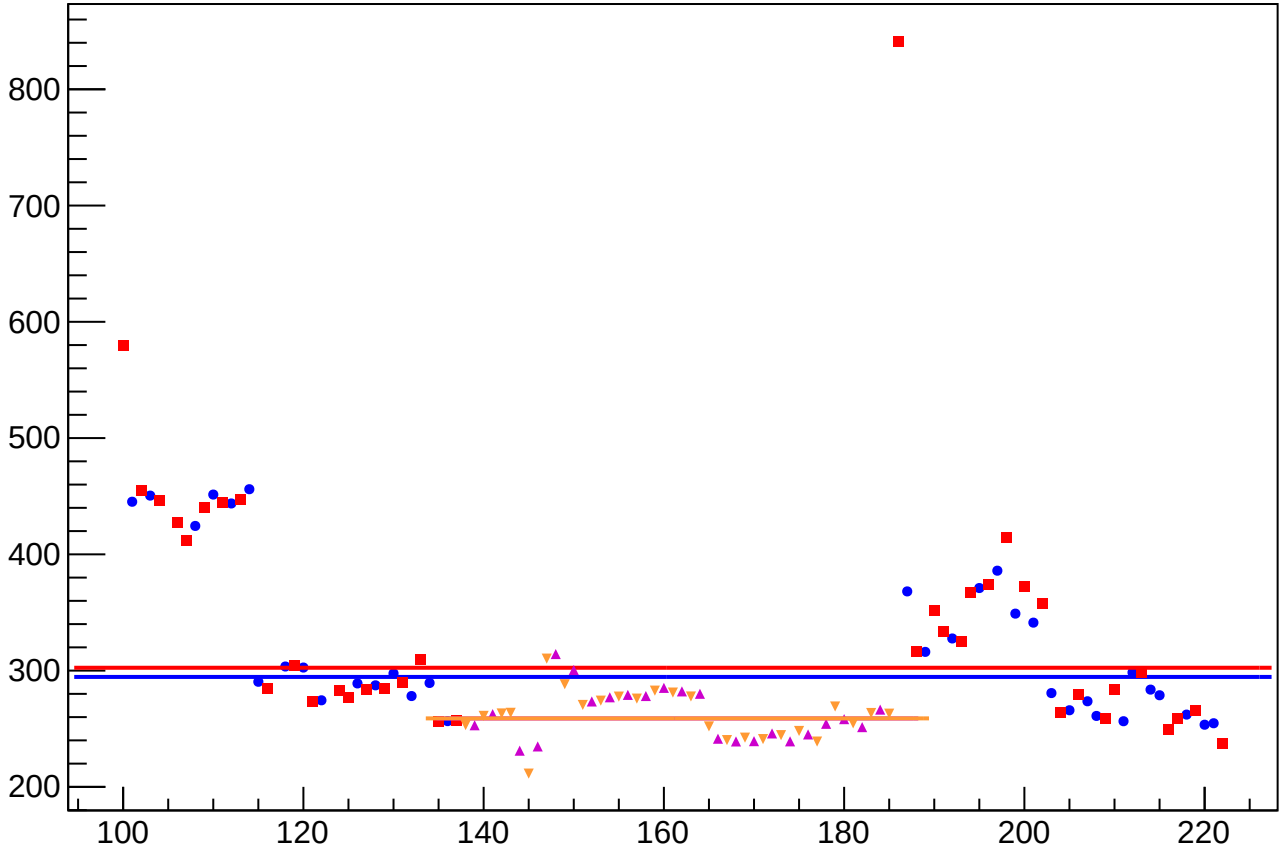
Right: 24.914+/-45.680 χ^2/NDF: 81.9/71

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -144.774+/-43.852 χ^2/NDF:107.6/62

All: -109.881+/-31.046 χ^2/NDF: 165.4/119

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 302.461+/-0.046 χ^2/NDF: 1828778.9/37

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

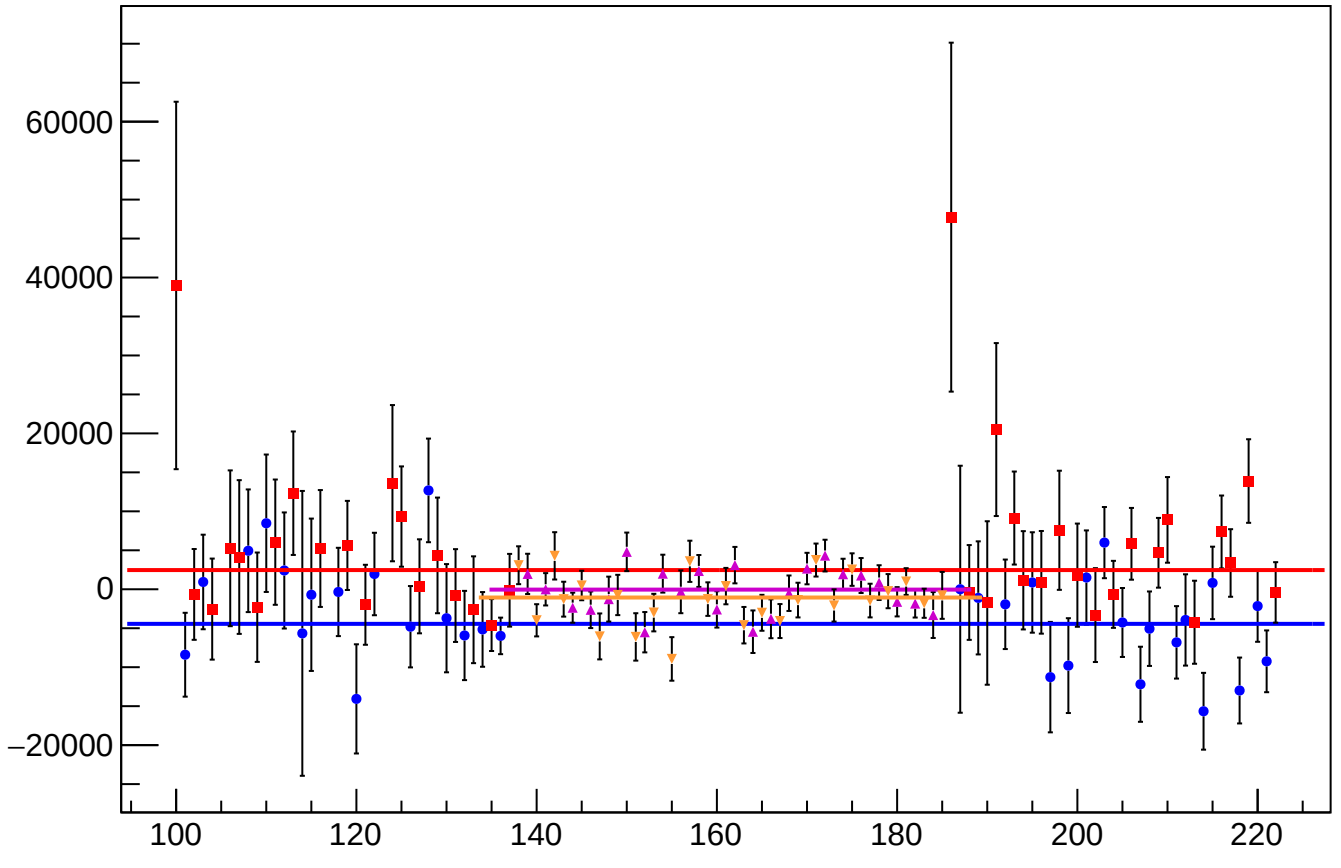
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 298.405+/-0.032 χ^2/NDF: 2999829.8/71

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 278.432+/-0.031 χ^2/NDF:2565354.2/62

All: 277.136+/-0.022 χ^2/NDF: 4299310.0/119



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: 2463.088+/-958.482 χ^2/NDF: 35.3/37

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

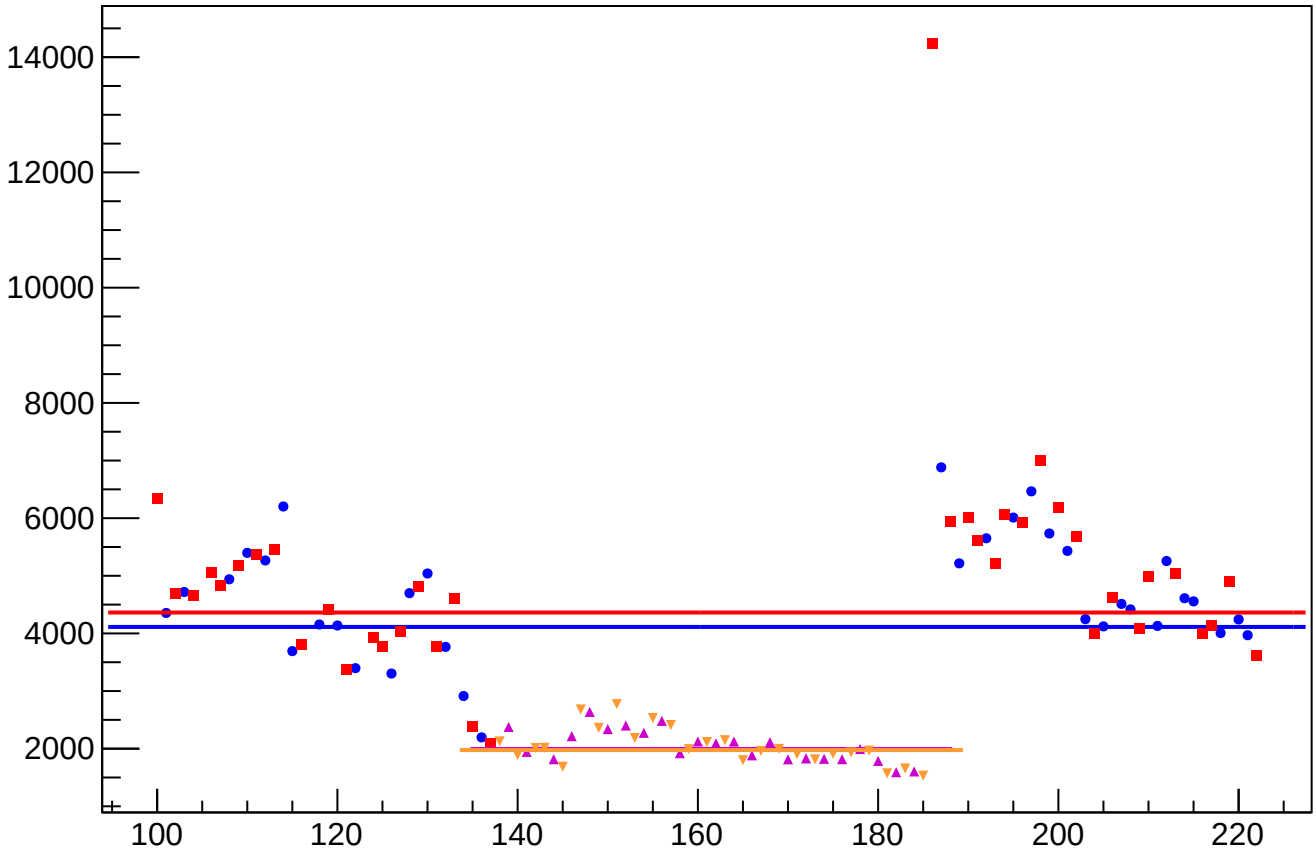
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1174.521+/-659.118 χ^2/NDF: 103.8/71

In: -975.206+/-417.873 χ^2/NDF:93.7/56

Out: -412.264+/-410.782 χ^2/NDF:87.9/62

All: -688.918+/-292.941 χ^2/NDF: 182.5/119



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: 4362.612+/-0.678 χ^2/NDF: 3039535.3/37

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

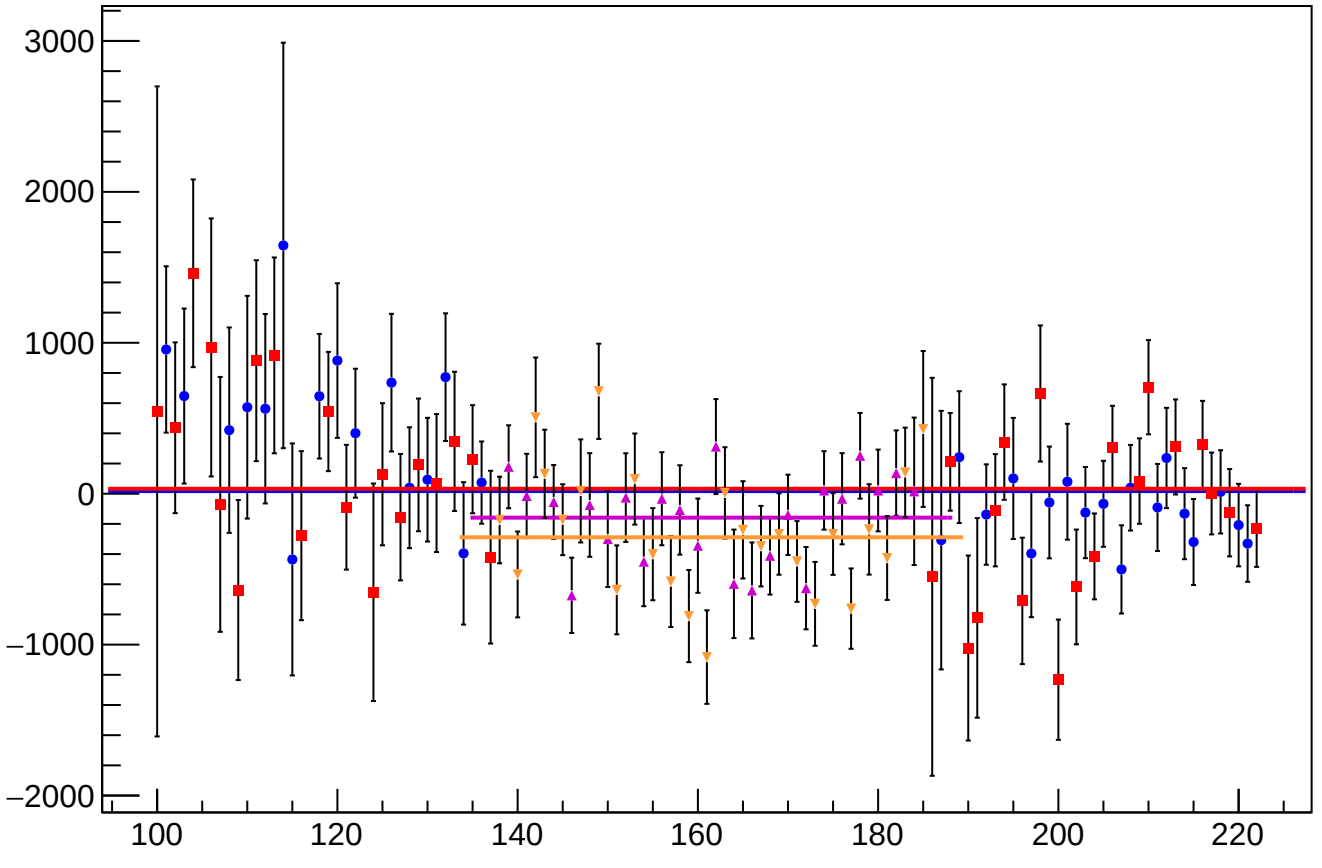
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4230.803+/-0.466 χ^2/NDF: 5909283.2/71

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2414.338+/-0.290 χ^2/NDF:13925646.7/62

All: 2428.646+/-0.207 χ^2/NDF: 25906280.7/1



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: 32.683+/-65.500 χ^2/NDF: 51.9/37

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

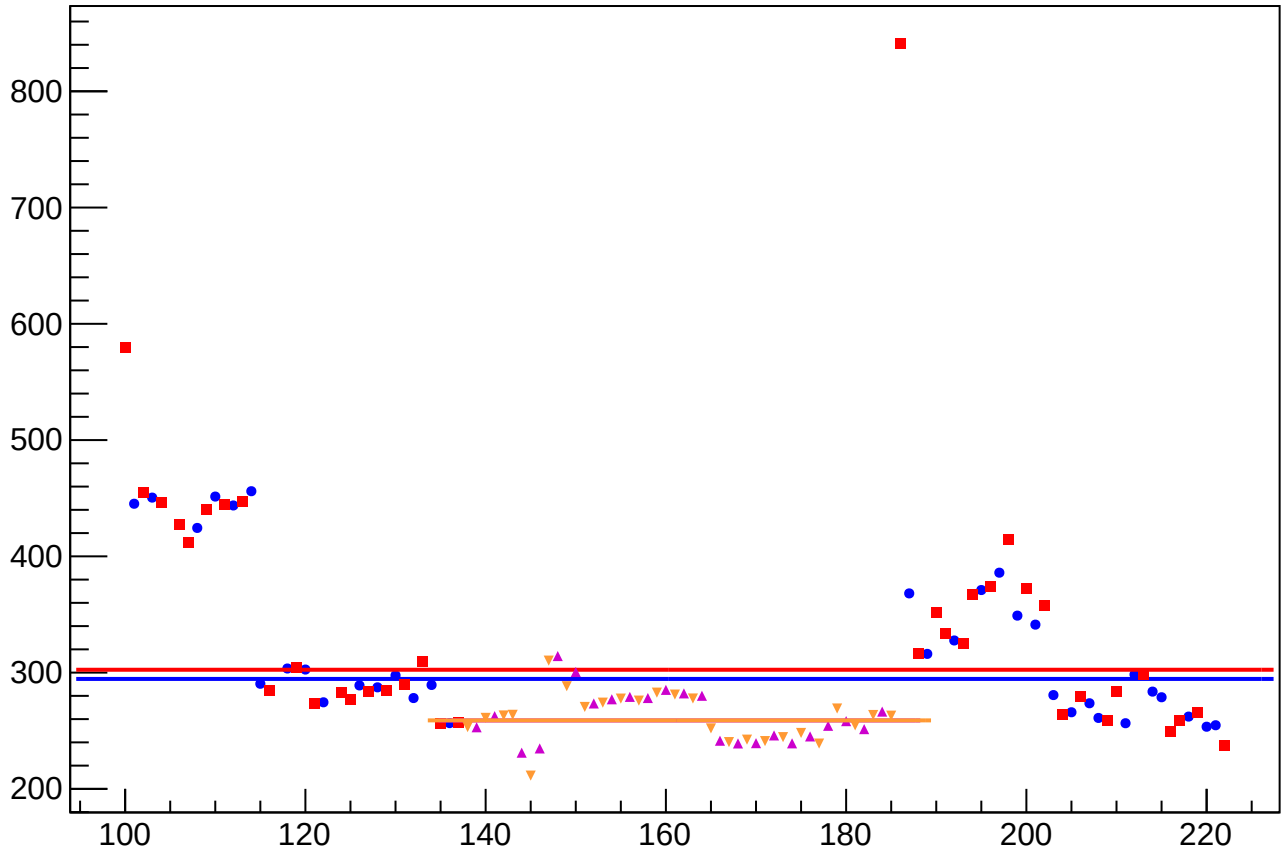
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 24.914+/-45.680 χ^2/NDF: 81.9/71

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -144.774+/-43.852 χ^2/NDF:107.6/62

All: -109.881+/-31.046 χ^2/NDF: 165.4/119



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 302.461+/-0.046 χ^2/NDF: 1828778.9/37

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

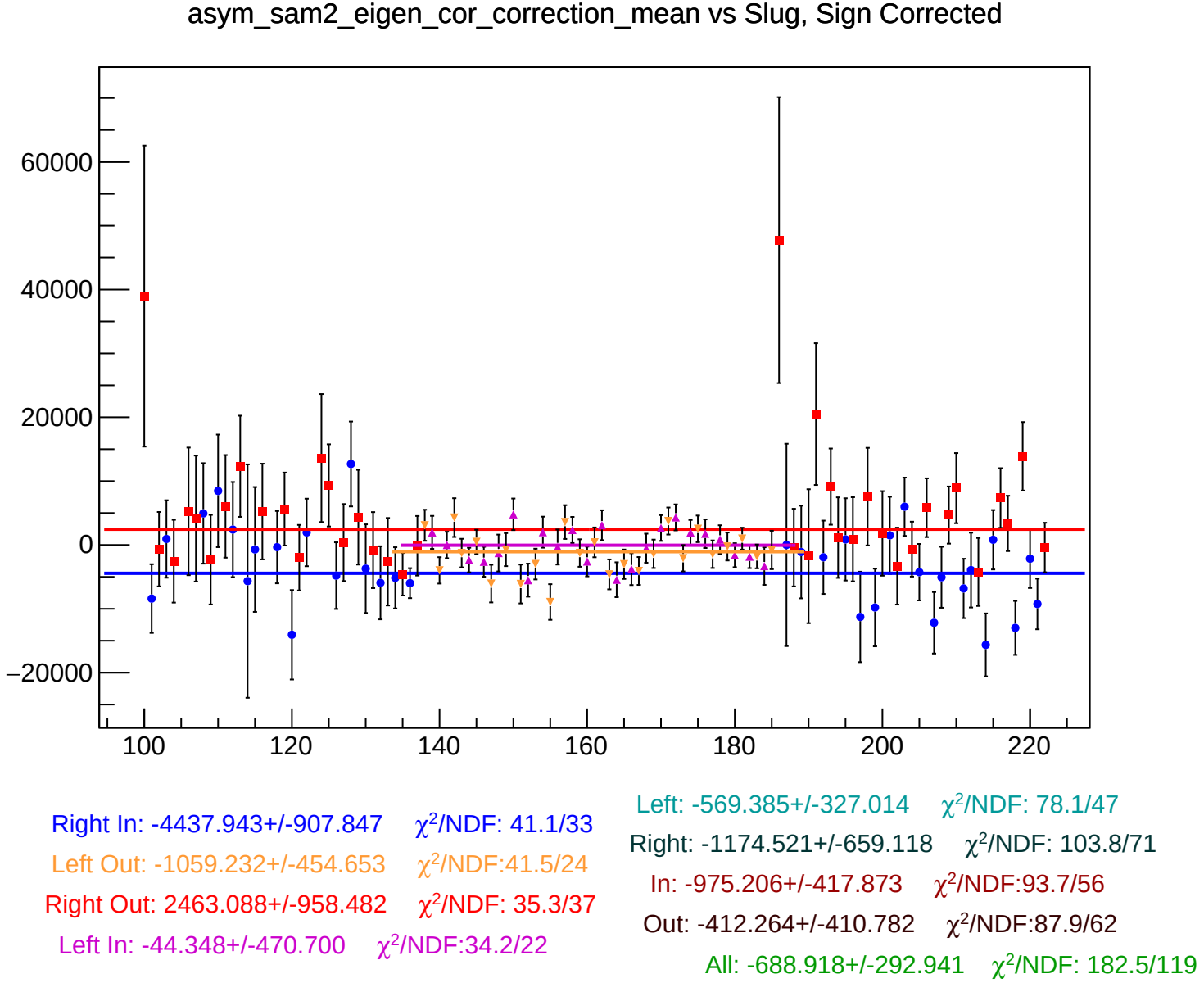
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

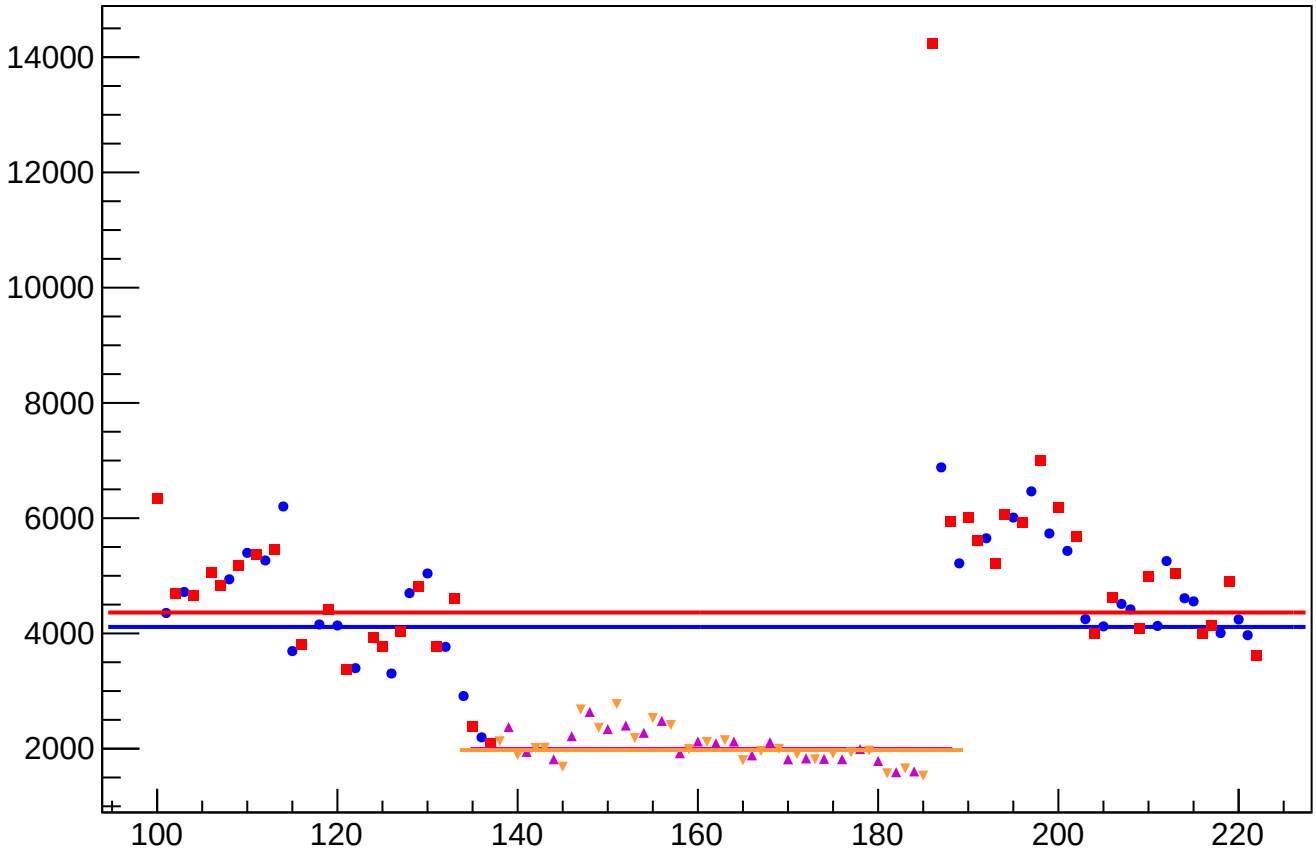
Right: 298.405+/-0.032 χ^2/NDF: 2999829.8/71

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 278.432+/-0.031 χ^2/NDF:2565354.2/62

All: 277.136+/-0.022 χ^2/NDF: 4299310.0/119


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4437.943+/-907.847 χ²/NDF: 41.1/33
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 2463.088+/-958.482 χ²/NDF: 35.3/37
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -1174.521+/-659.118 χ²/NDF: 103.8/71
In: -975.206+/-417.873 χ²/NDF:93.7/56
Out: -412.264+/-410.782 χ²/NDF:87.9/62
All: -688.918+/-292.941 χ²/NDF: 182.5/119



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: 4362.612+/-0.678 χ^2/NDF: 3039535.3/37

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

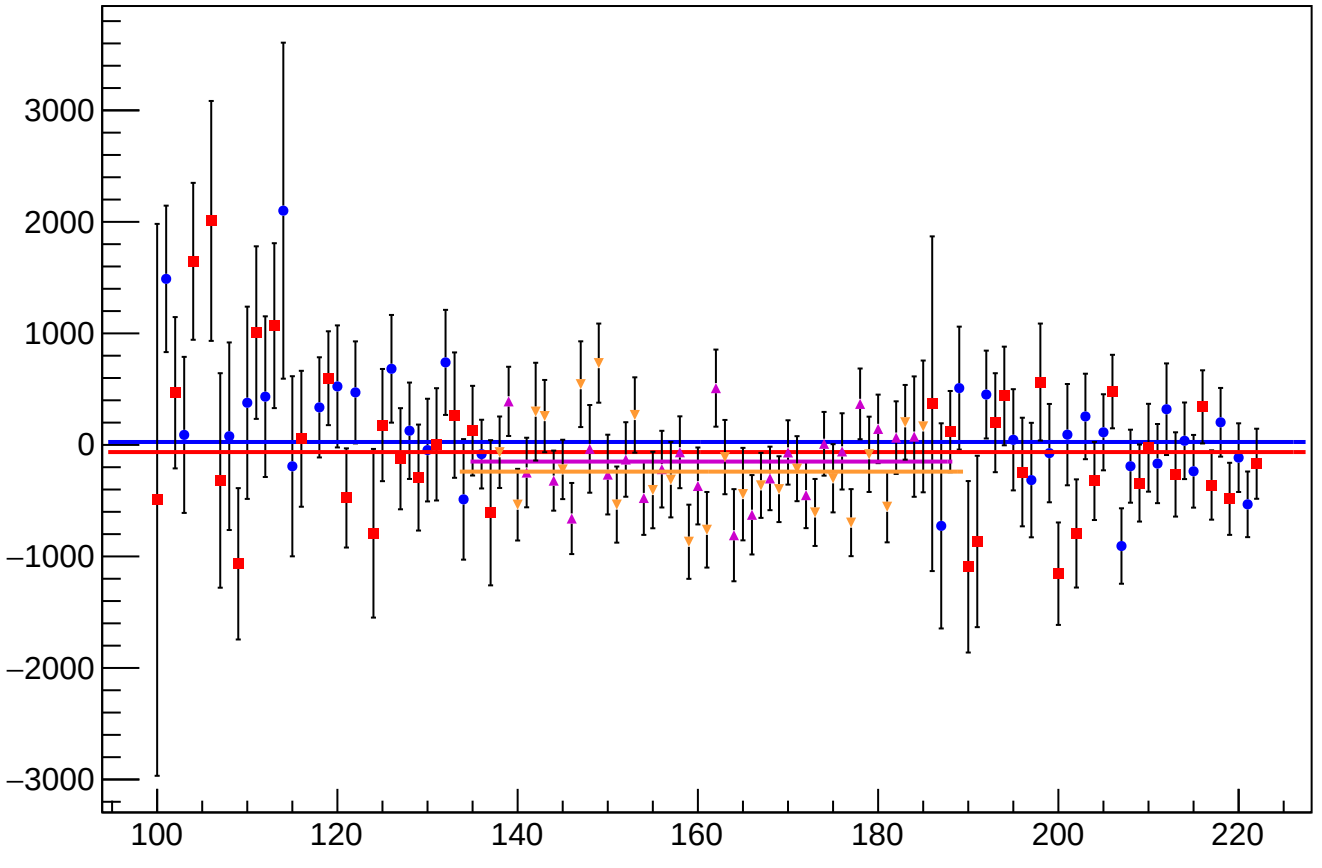
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4230.803+/-0.466 χ^2/NDF: 5909283.2/71

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2414.338+/-0.290 χ^2/NDF:13925646.7/62

All: 2428.646+/-0.207 χ^2/NDF: 25906280.7/1



Right In: 26.263+/-73.650 χ^2/NDF: 32.1/33

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -64.142+/-76.032 χ^2/NDF: 45.6/37

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

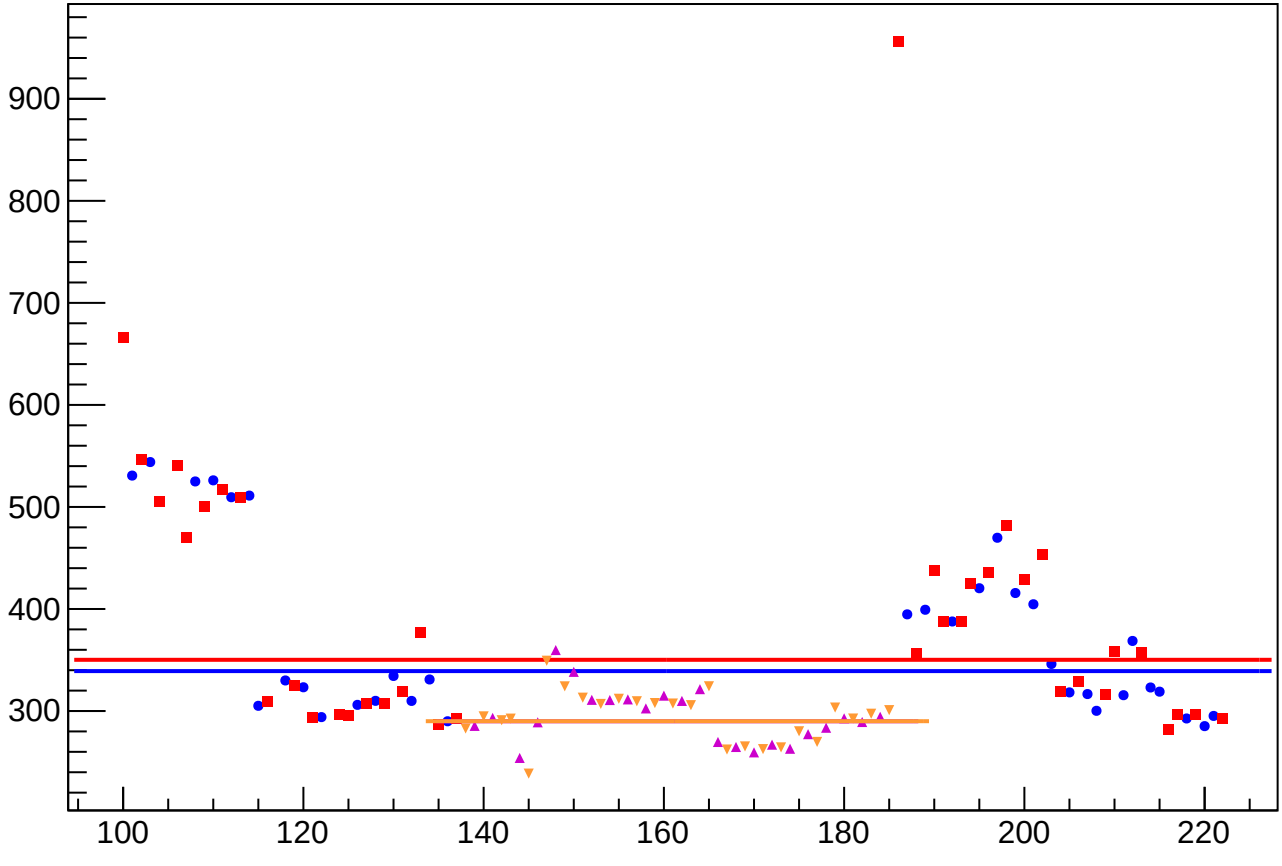
Right: -17.501+/-52.900 χ^2/NDF: 78.5/71

In: -68.422+/-50.024 χ^2/NDF:56.9/56

Out: -163.956+/-49.913 χ^2/NDF:82.7/62

All: -116.295+/-35.333 χ^2/NDF: 141.4/119

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 339.131+/-0.052 χ^2/NDF: 1359929.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 350.194+/-0.054 χ^2/NDF: 1945995.2/37

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

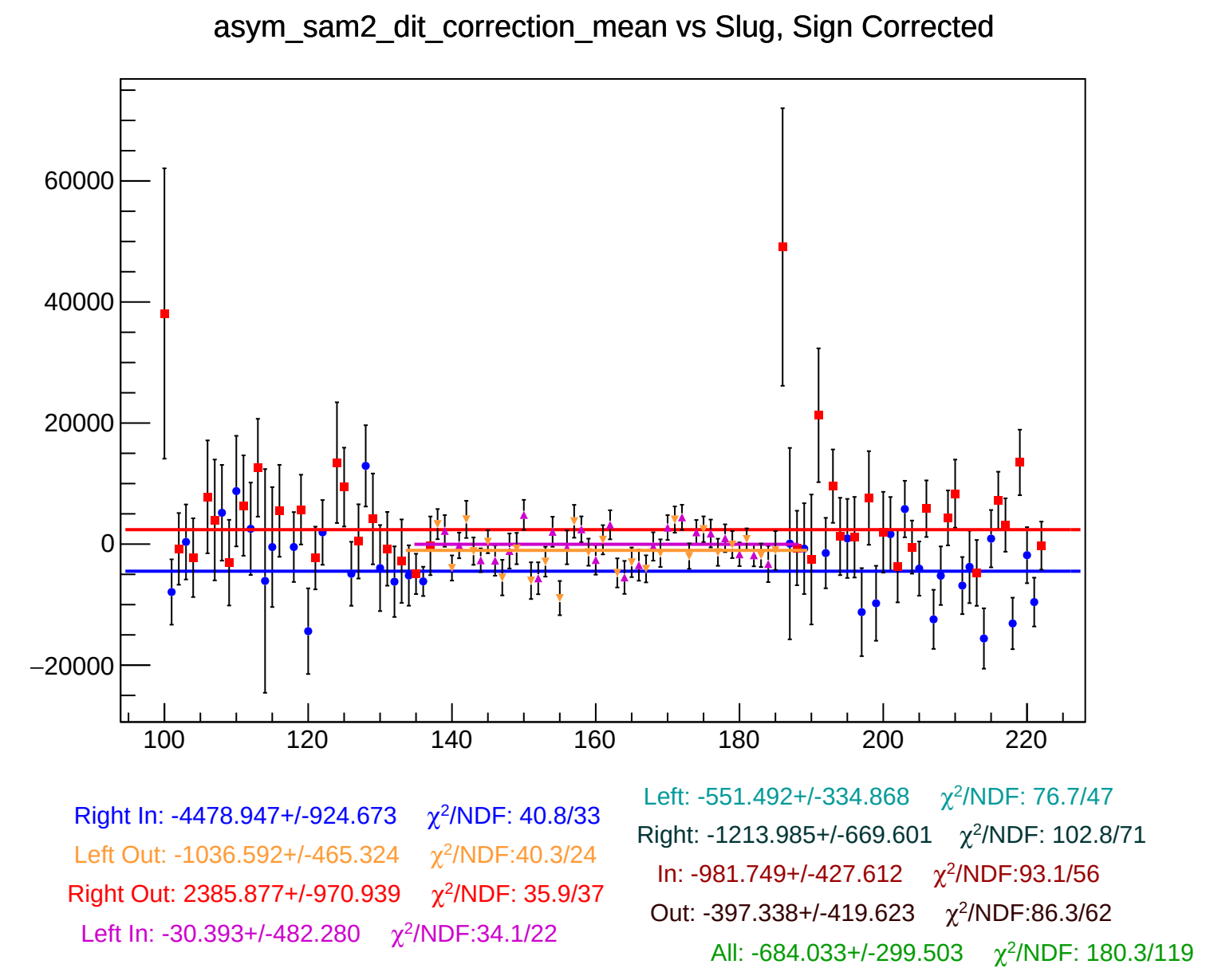
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

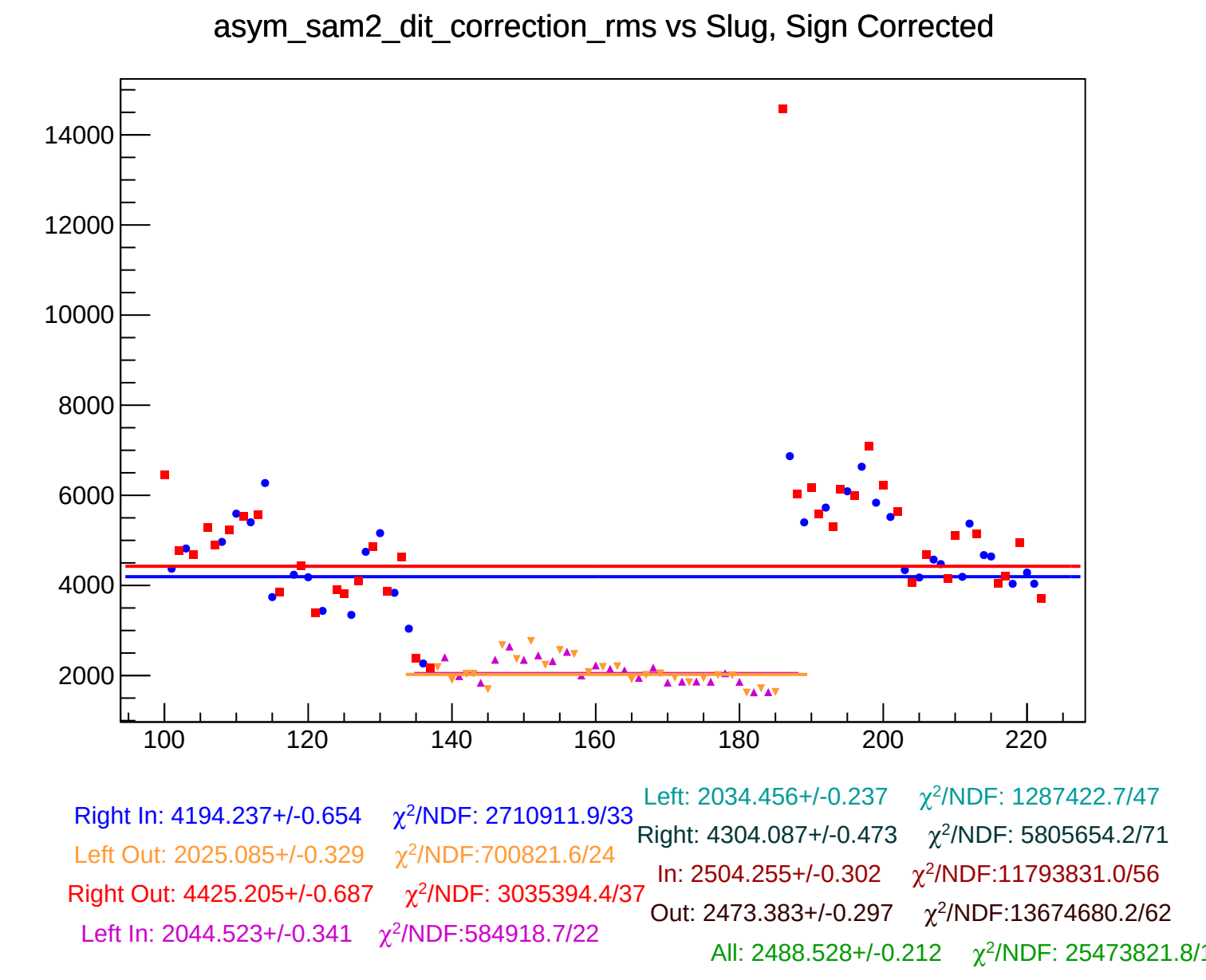
Right: 344.486+/-0.037 χ^2/NDF: 3327771.6/71

In: 312.634+/-0.035 χ^2/NDF:2110154.9/56

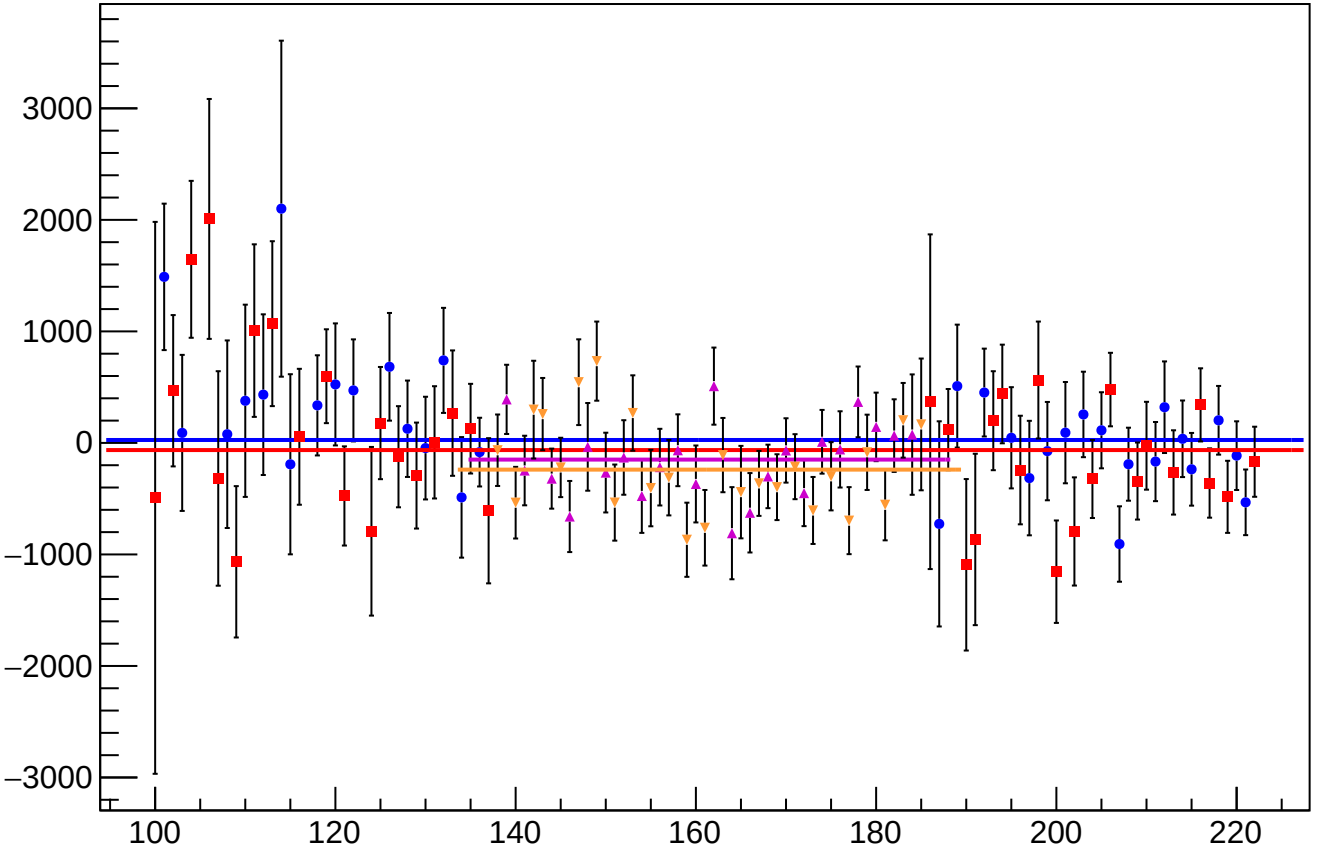
Out: 315.954+/-0.035 χ^2/NDF:2939425.1/62

All: 314.298+/-0.025 χ^2/NDF: 5053993.6/119


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4478.947+/-924.673 χ²/NDF: 40.8/33
Left Out: -1036.592+/-465.324 χ²/NDF:40.3/24
Right Out: 2385.877+/-970.939 χ²/NDF: 35.9/37
Left In: -30.393+/-482.280 χ²/NDF:34.1/22
Left: -551.492+/-334.868 χ²/NDF: 76.7/47
Right: -1213.985+/-669.601 χ²/NDF: 102.8/71
In: -981.749+/-427.612 χ²/NDF:93.1/56
Out: -397.338+/-419.623 χ²/NDF:86.3/62
All: -684.033+/-299.503 χ²/NDF: 180.3/119


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4194.237+/-0.654 χ²/NDF: 2710911.9/33
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 4425.205+/-0.687 χ²/NDF: 3035394.4/37
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 4304.087+/-0.473 χ²/NDF: 5805654.2/71
In: 2504.255+/-0.302 χ²/NDF:11793831.0/56
Out: 2473.383+/-0.297 χ²/NDF:13674680.2/62
All: 2488.528+/-0.212 χ²/NDF: 25473821.8/

eigen_dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 26.272+/-73.649 χ^2/NDF: 32.1/33

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -64.145+/-76.032 χ^2/NDF: 45.6/37

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

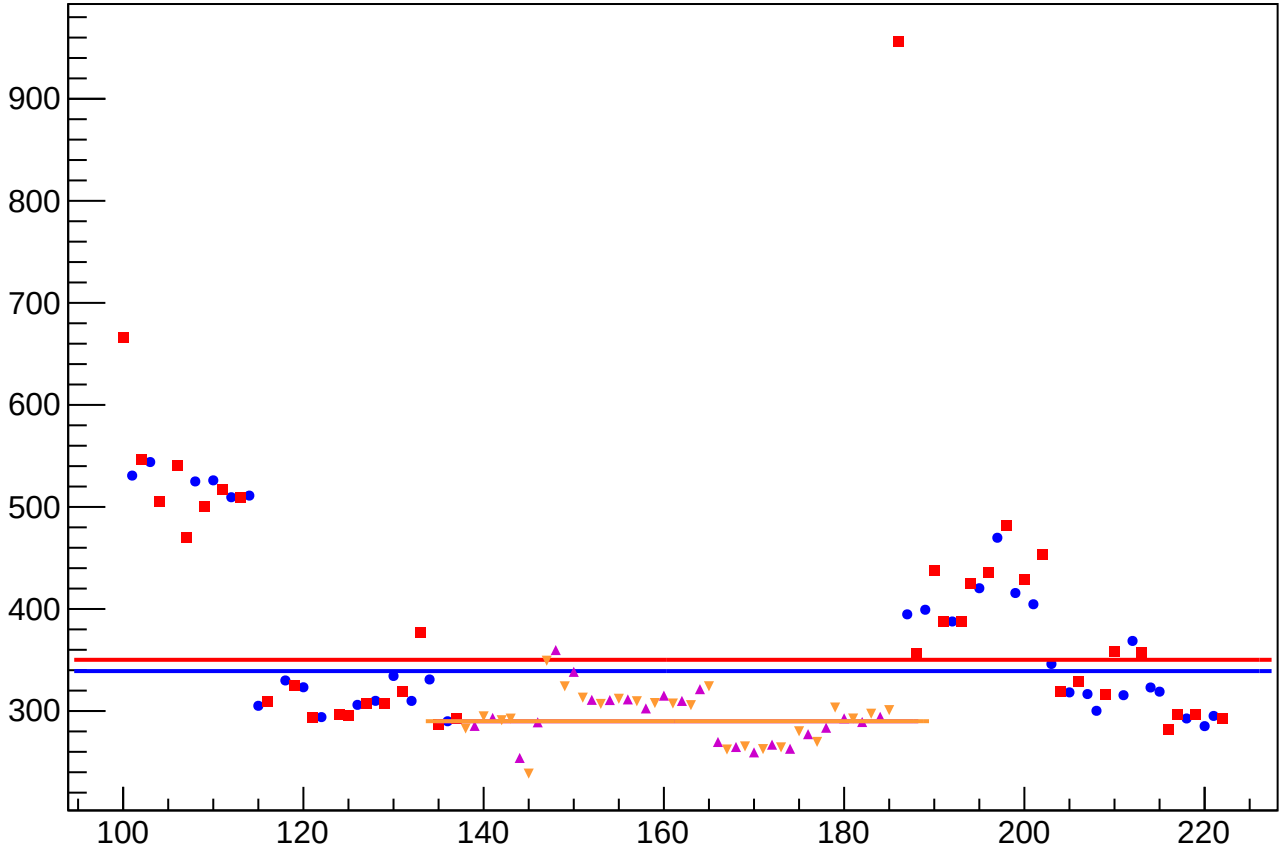
Right: -17.498+/-52.900 χ^2/NDF: 78.5/71

In: -68.418+/-50.024 χ^2/NDF:56.9/56

Out: -163.959+/-49.913 χ^2/NDF:82.7/62

All: -116.295+/-35.333 χ^2/NDF: 141.4/119

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 339.130+/-0.052 χ^2/NDF: 1359928.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 350.194+/-0.054 χ^2/NDF: 1945983.2/37

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

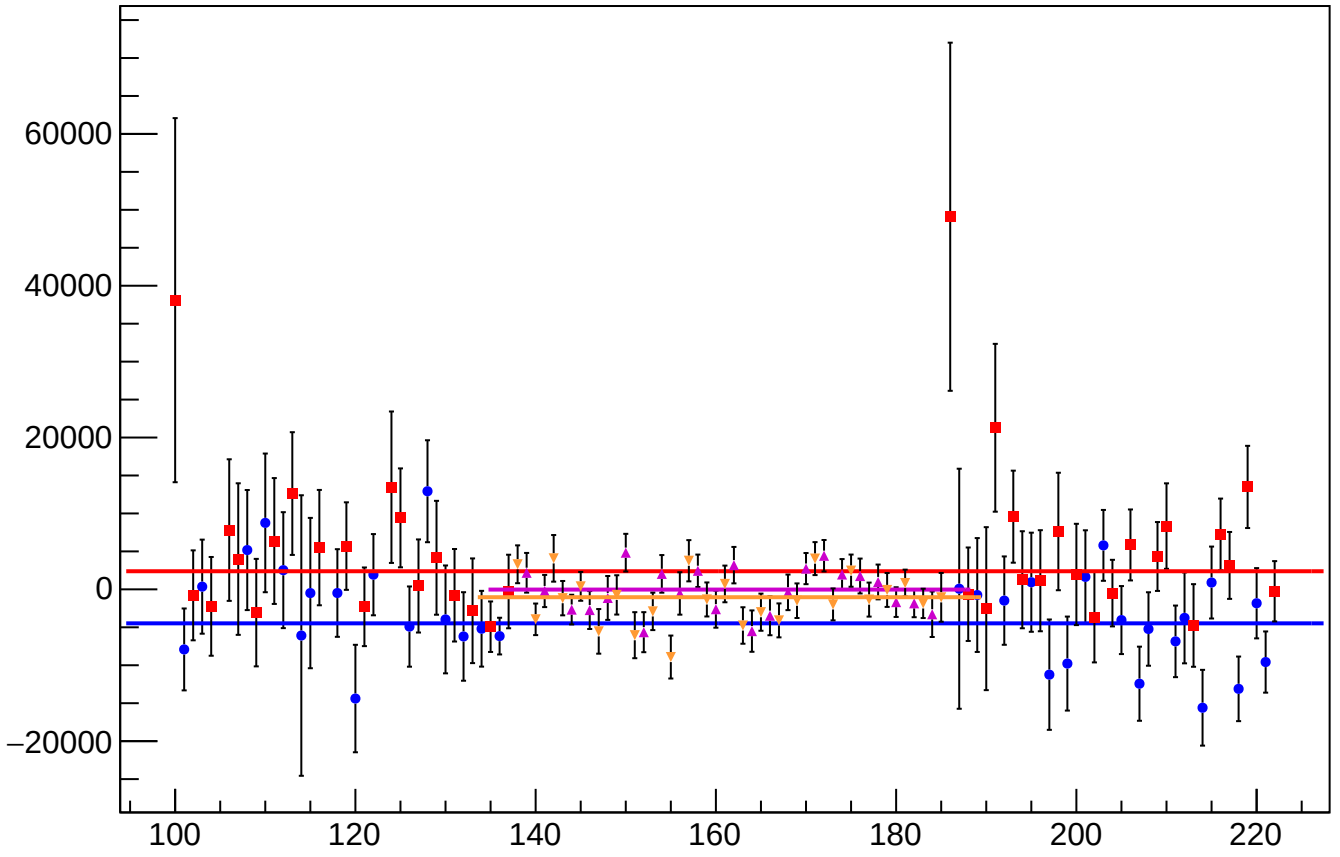
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 344.486+/-0.037 χ^2/NDF: 3327760.7/71

In: 312.634+/-0.035 χ^2/NDF:2110142.2/56

Out: 315.954+/-0.035 χ^2/NDF:2939410.7/62

All: 314.298+/-0.025 χ^2/NDF: 5053967.2/119



Right In: -4478.942+/-924.672 χ^2/NDF: 40.8/33

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 2385.875+/-970.939 χ^2/NDF: 35.9/37

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

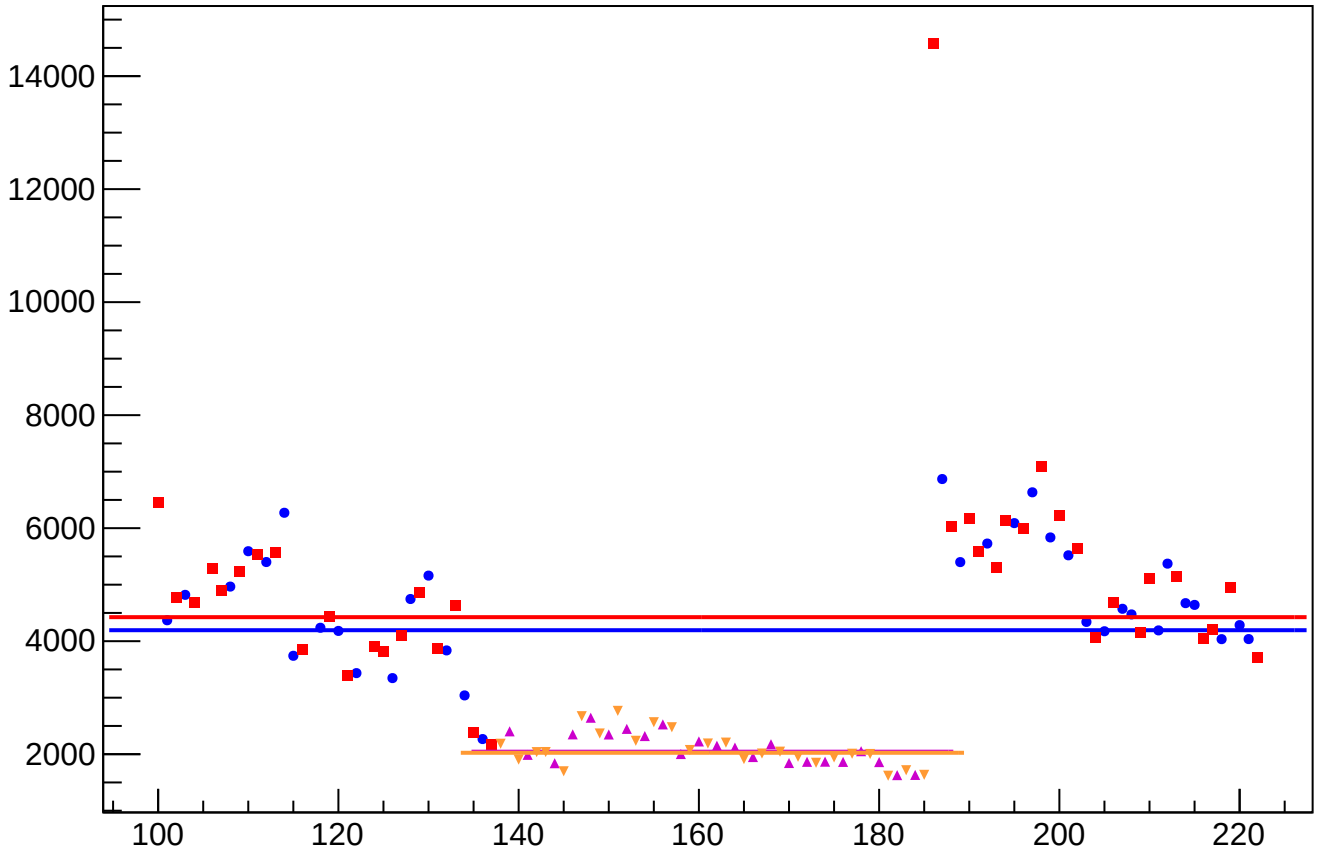
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1213.984+/-669.601 χ^2/NDF: 102.8/71

In: -981.748+/-427.612 χ^2/NDF:93.1/56

Out: -397.337+/-419.623 χ^2/NDF:86.3/62

All: -684.032+/-299.503 χ^2/NDF: 180.3/119



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: 4425.203+/-0.687 χ^2/NDF: 3035388.2/37

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

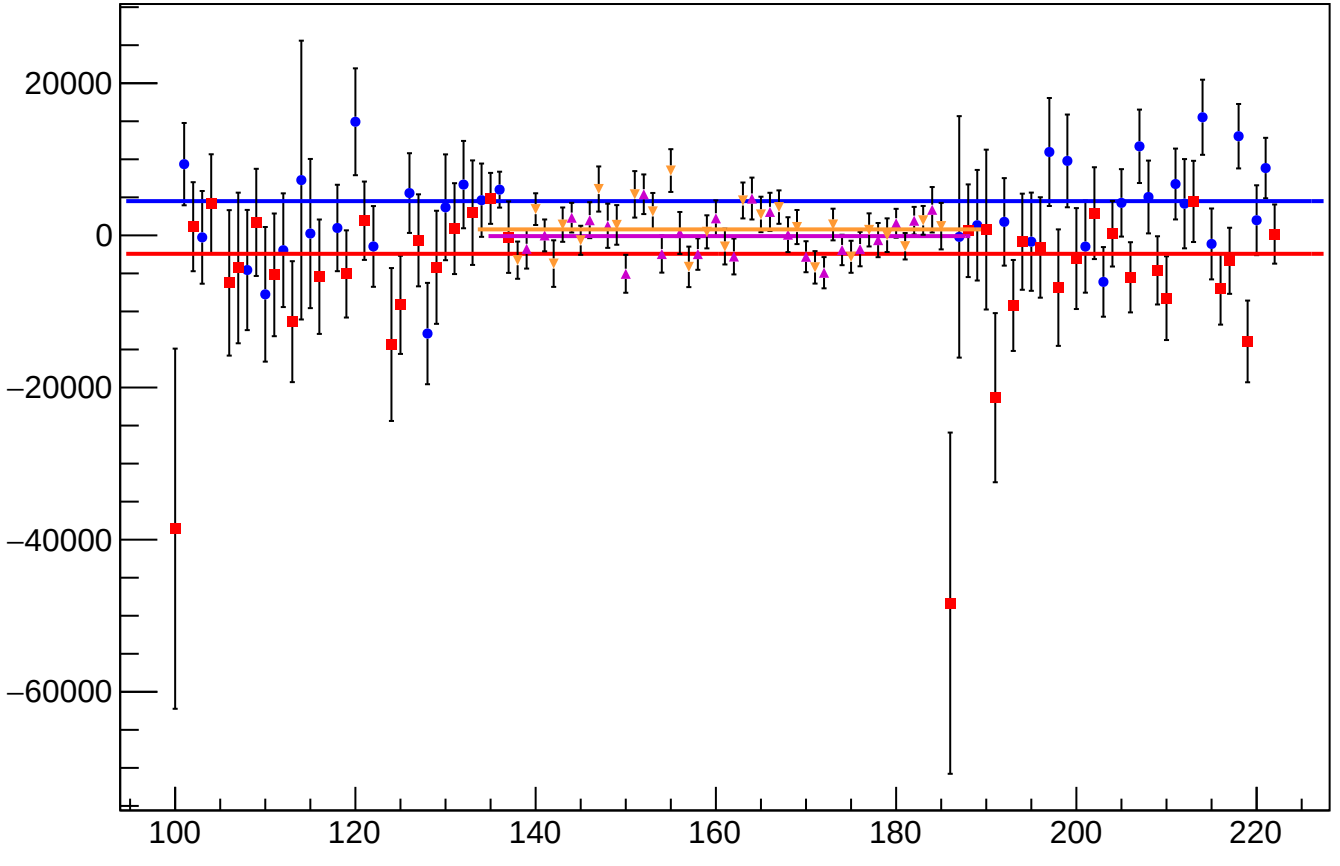
Right: 4304.085+/-0.473 χ^2/NDF: 5805641.3/71

In: 2504.255+/-0.302 χ^2/NDF:11793819.0/56

Out: 2473.383+/-0.297 χ^2/NDF:13674668.1/62

All: 2488.528+/-0.212 χ^2/NDF: 25473797.6/

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: -2423.398+/-960.805 χ^2/NDF: 35.1/37

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

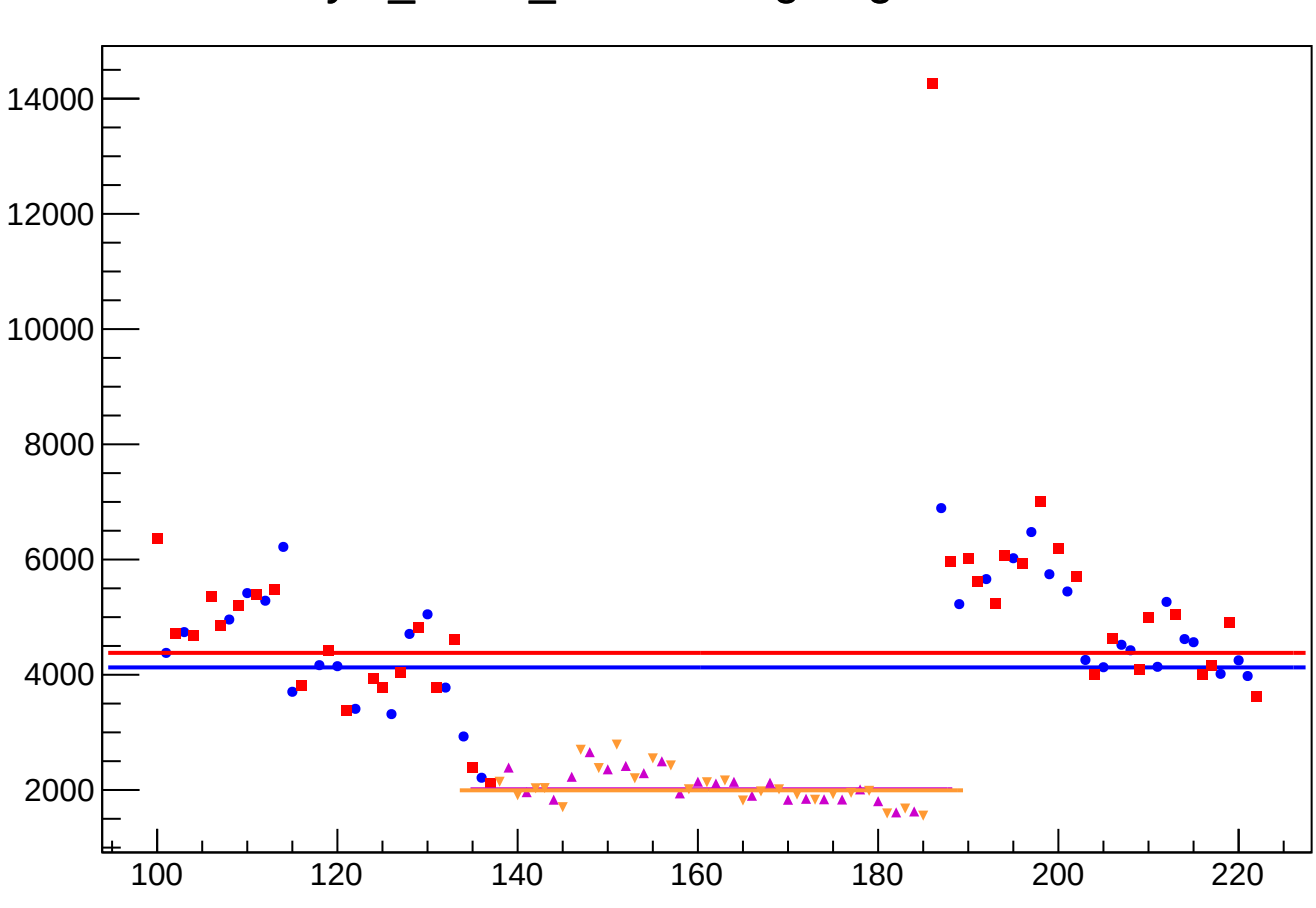
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 1223.996+/-661.009 χ^2/NDF: 102.9/71

In: 885.943+/-421.045 χ^2/NDF:93.4/56

Out: 192.119+/-413.965 χ^2/NDF:85.5/62

All: 533.148+/-295.189 χ^2/NDF: 180.2/119



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: 4379.923+/-0.679 χ^2/NDF: 3028540.0/37

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

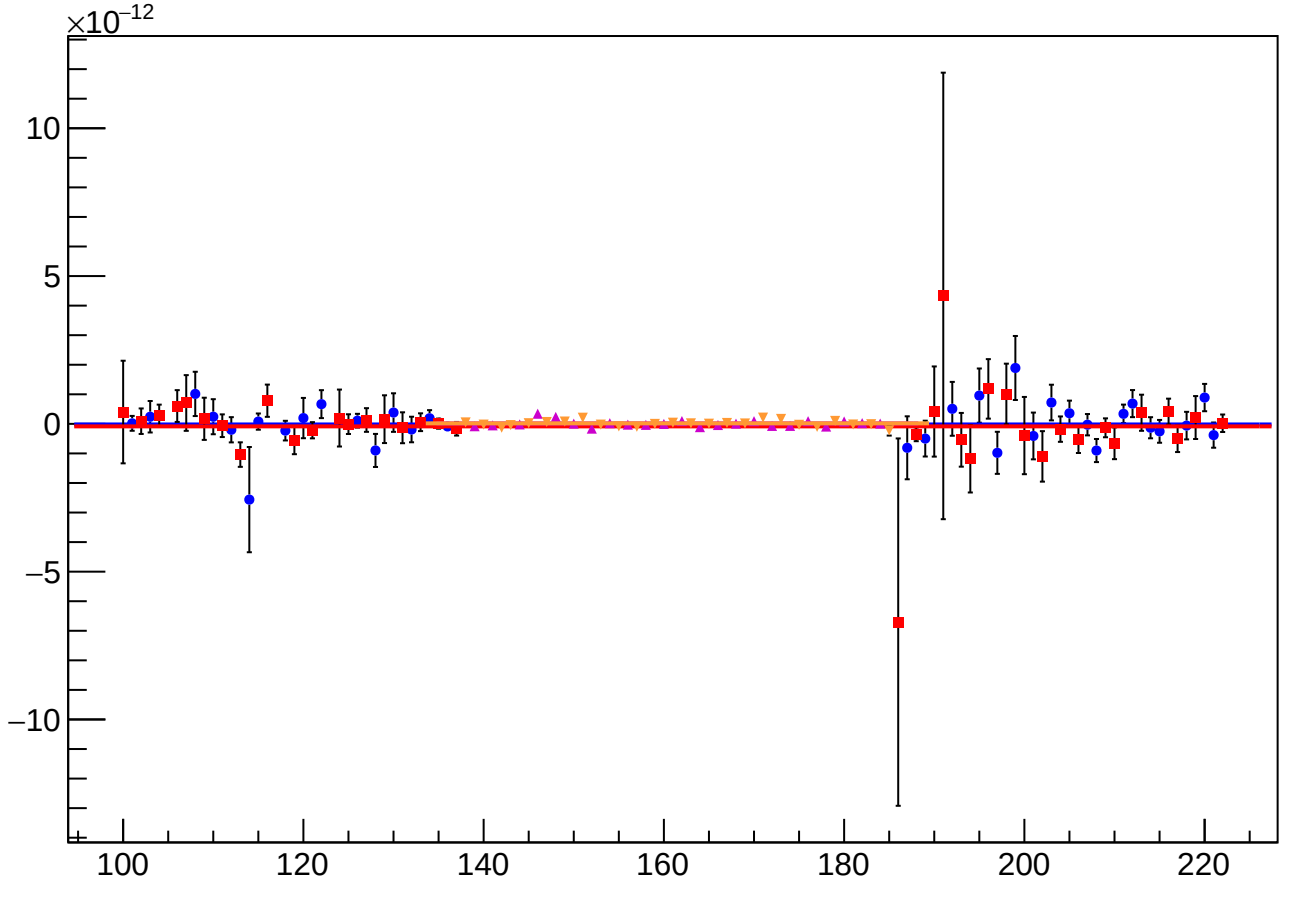
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4247.096+/-0.467 χ^2/NDF: 5866544.6/71

In: 2464.670+/-0.298 χ^2/NDF:11832747.1/56

Out: 2437.107+/-0.293 χ^2/NDF:13816637.9/62

All: 2450.655+/-0.209 χ^2/NDF: 25653743.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 36.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/37

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

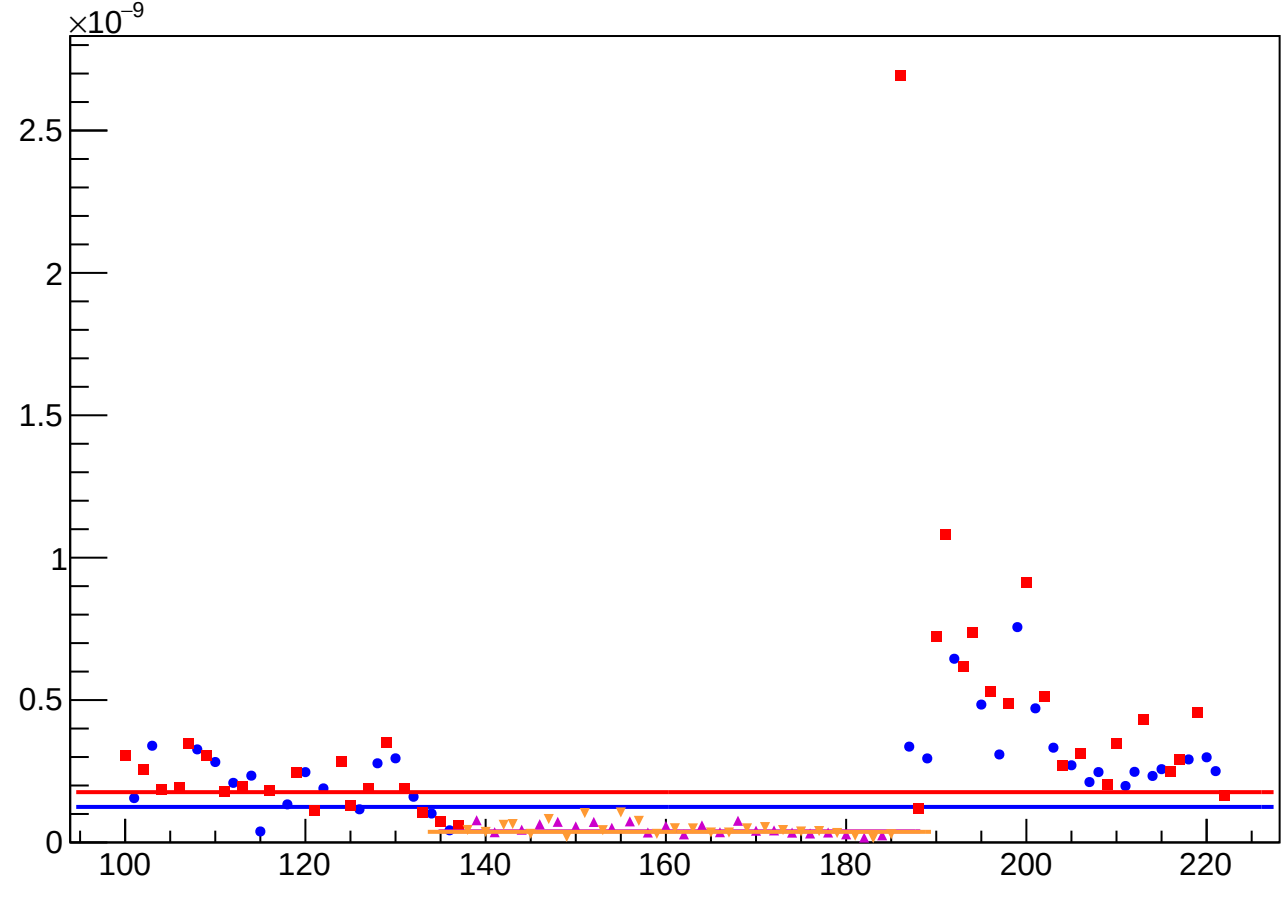
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.9/71

In: 0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:50.7/62

All: 0.000+/-0.000 χ^2/NDF: 117.7/119



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: 6262134.5/37

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

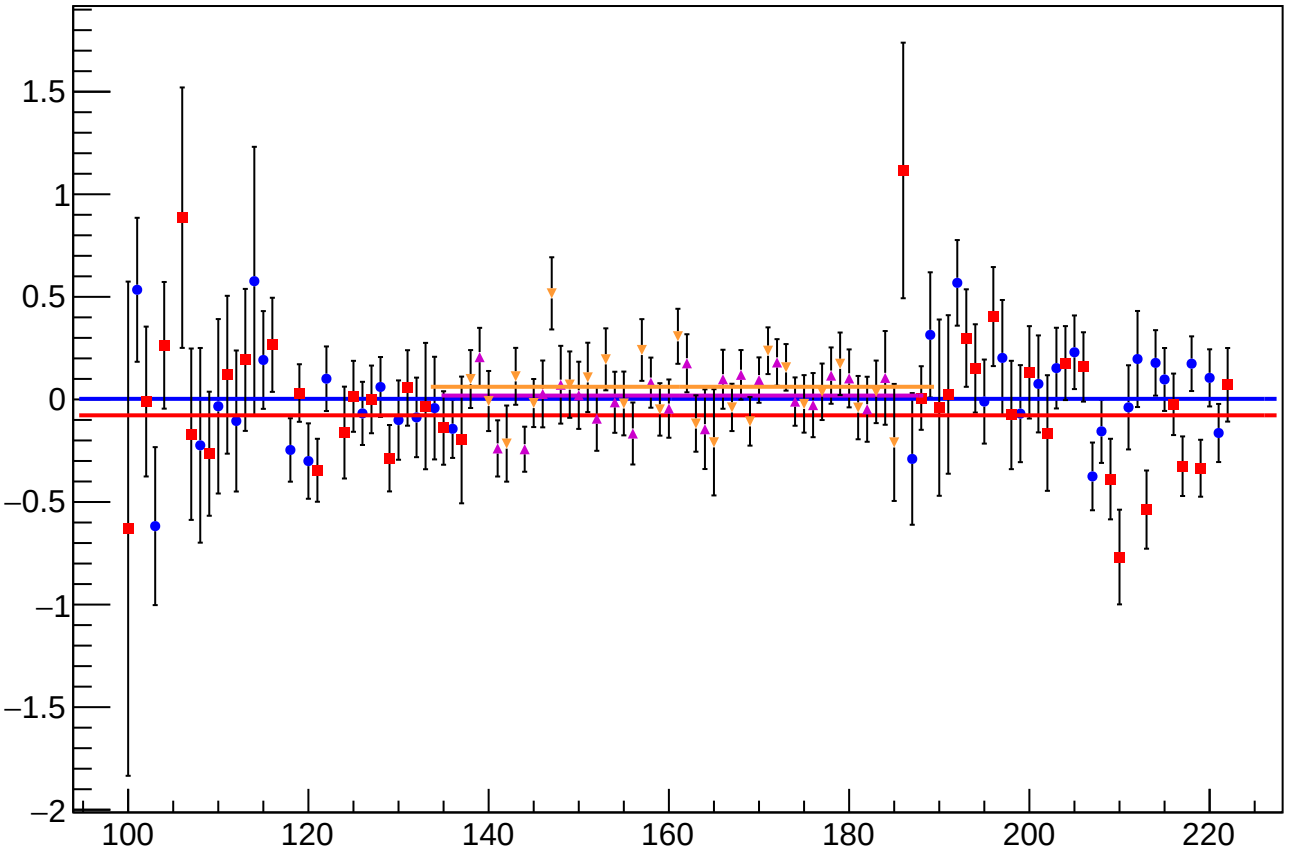
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15196938.9/71

In: 0.000+/-0.000 χ^2/NDF:14829755.4/56

Out: 0.000+/-0.000 χ^2/NDF:16478597.0/62

All: 0.000+/-0.000 χ^2/NDF: 31335373.8/119



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: -0.077+/-0.034 χ^2/NDF: 55.1/37

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

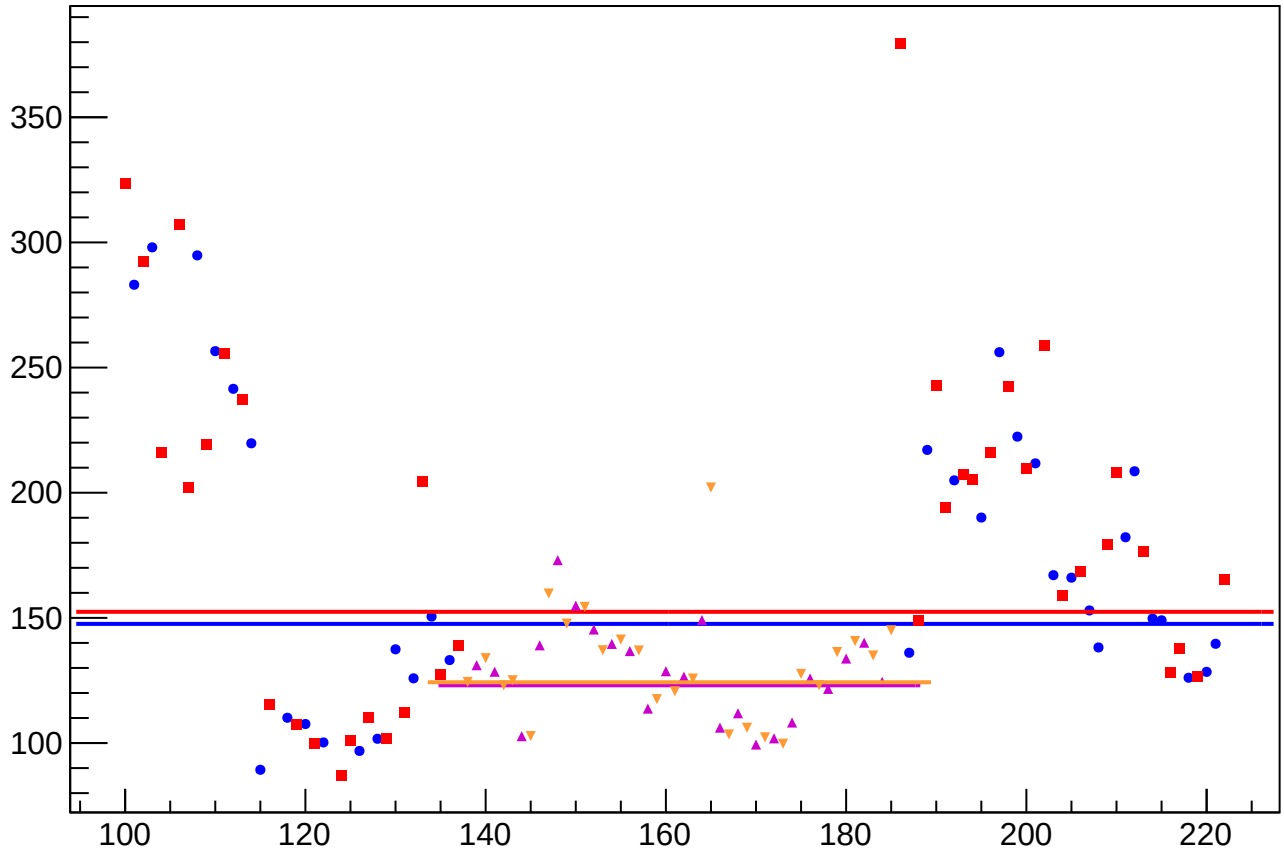
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.024 χ^2/NDF: 96.5/71

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.004+/-0.022 χ^2/NDF:92.2/62

All: 0.008+/-0.016 χ^2/NDF: 151.3/119



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: 152.425+/-0.024 χ^2/NDF: 4039340.9/37

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

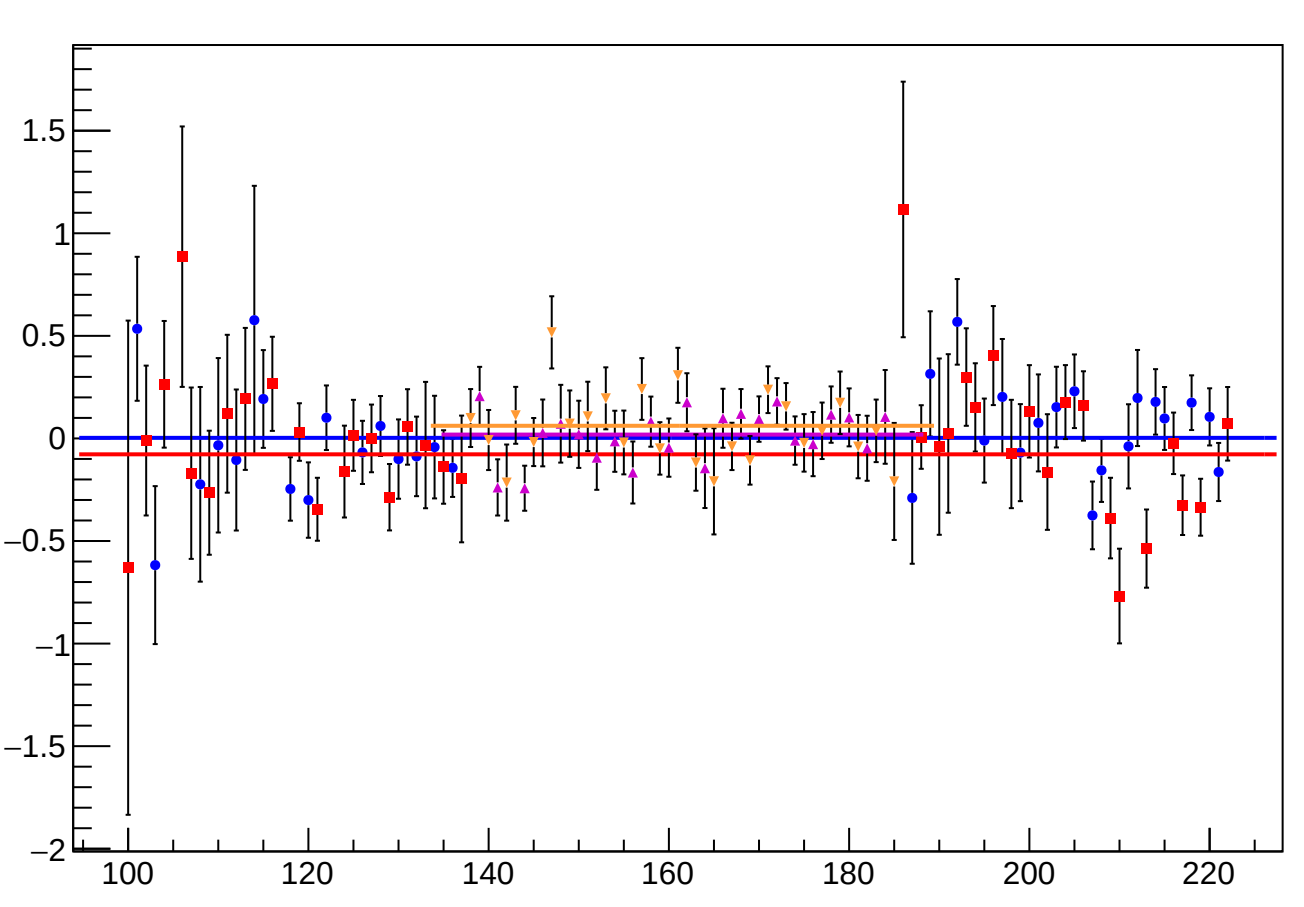
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.933+/-0.017 χ^2/NDF: 7466556.2/71

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 135.851+/-0.016 χ^2/NDF:5670930.5/62

All: 134.829+/-0.011 χ^2/NDF: 10418346.2/11



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: -0.077+/-0.034 χ^2/NDF: 55.1/37

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

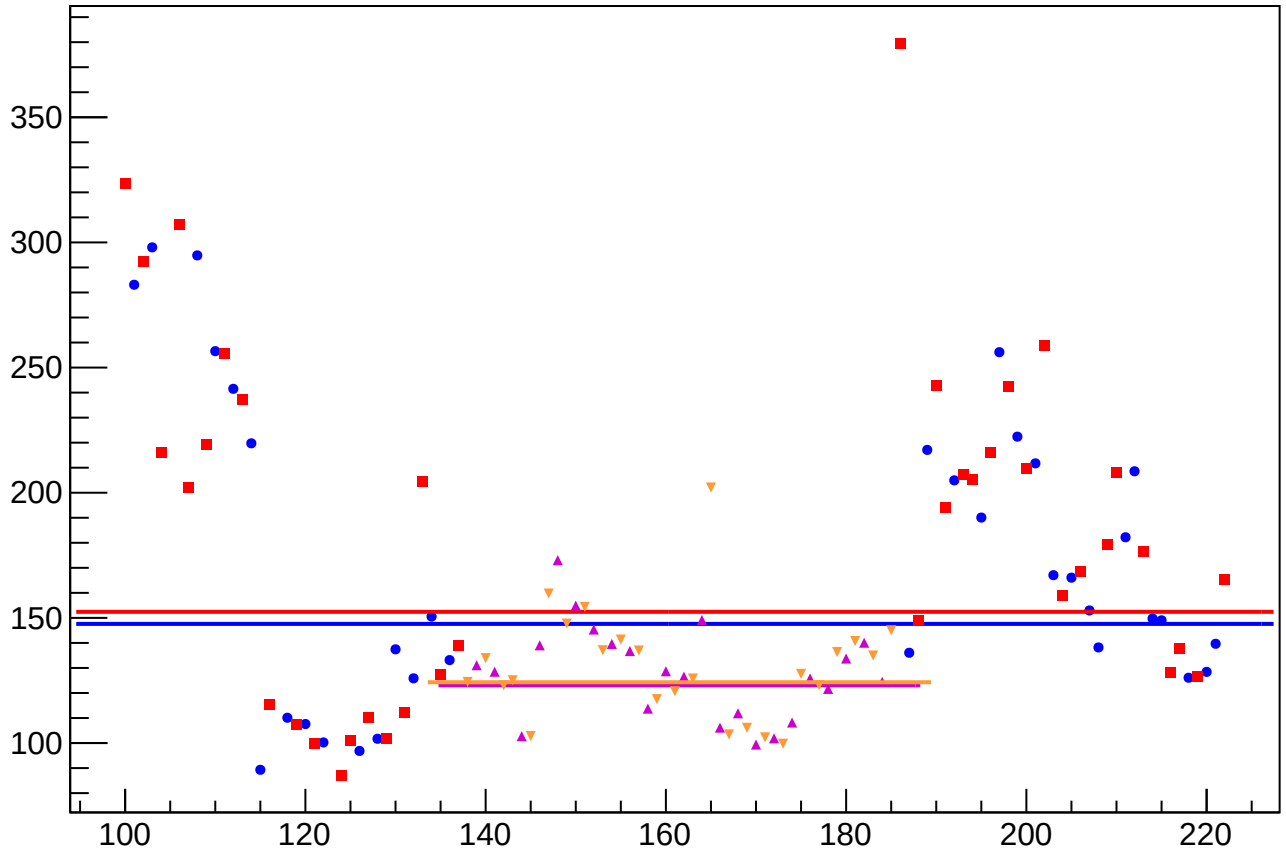
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.024 χ^2/NDF: 96.5/71

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.004+/-0.022 χ^2/NDF:92.2/62

All: 0.008+/-0.016 χ^2/NDF: 151.3/119



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: 152.425+/-0.024 χ^2/NDF: 4039340.9/37

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

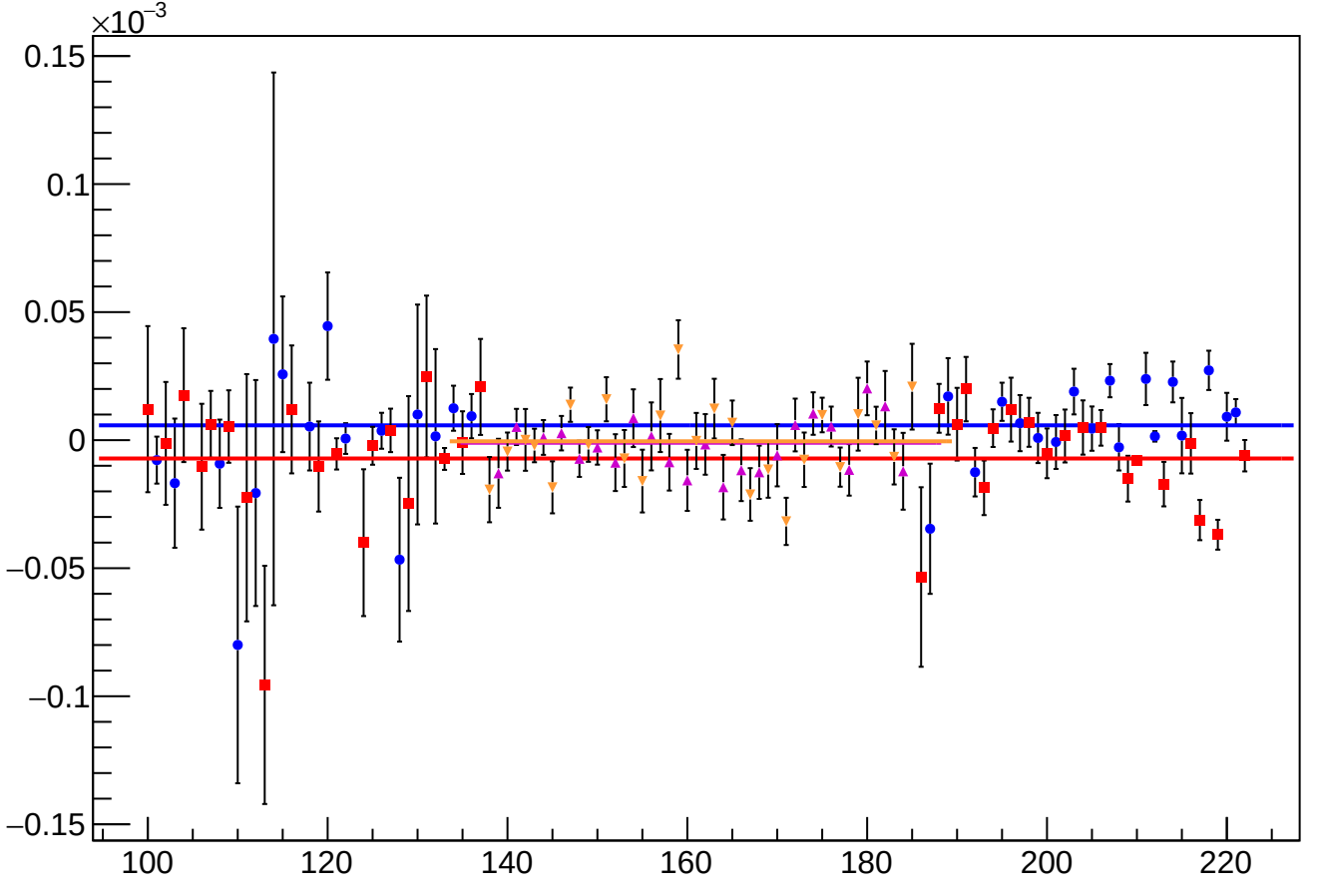
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.933+/-0.017 χ^2/NDF: 7466556.2/71

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 135.851+/-0.016 χ^2/NDF:5670930.5/62

All: 134.829+/-0.011 χ^2/NDF: 10418346.2/11



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: 77.6/37

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

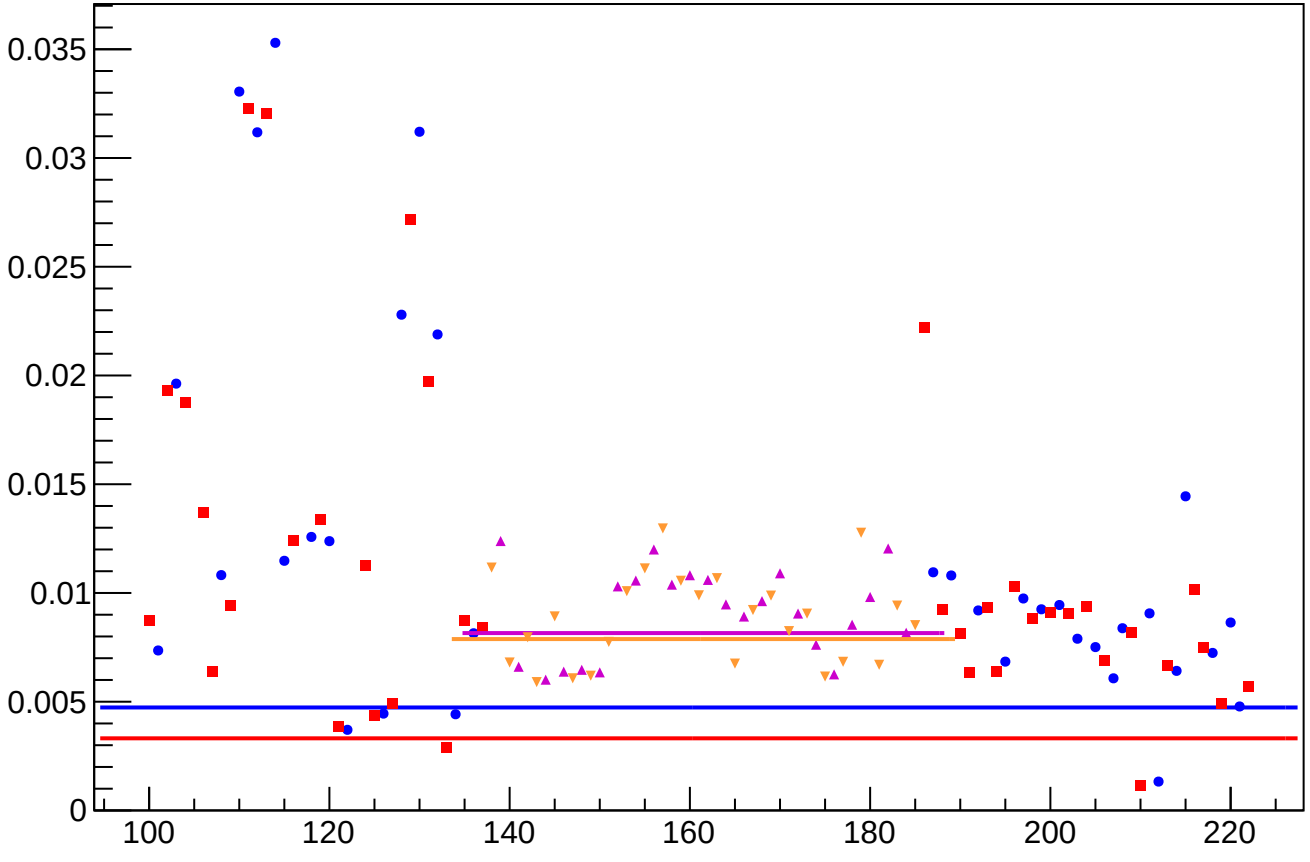
Right: -0.000+/-0.000 χ^2/NDF: 191.9/71

In: 0.000+/-0.000 χ^2/NDF:83.3/56

Out: -0.000+/-0.000 χ^2/NDF:140.1/62

All: -0.000+/-0.000 χ^2/NDF: 265.4/119

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: 21278520.1/37

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

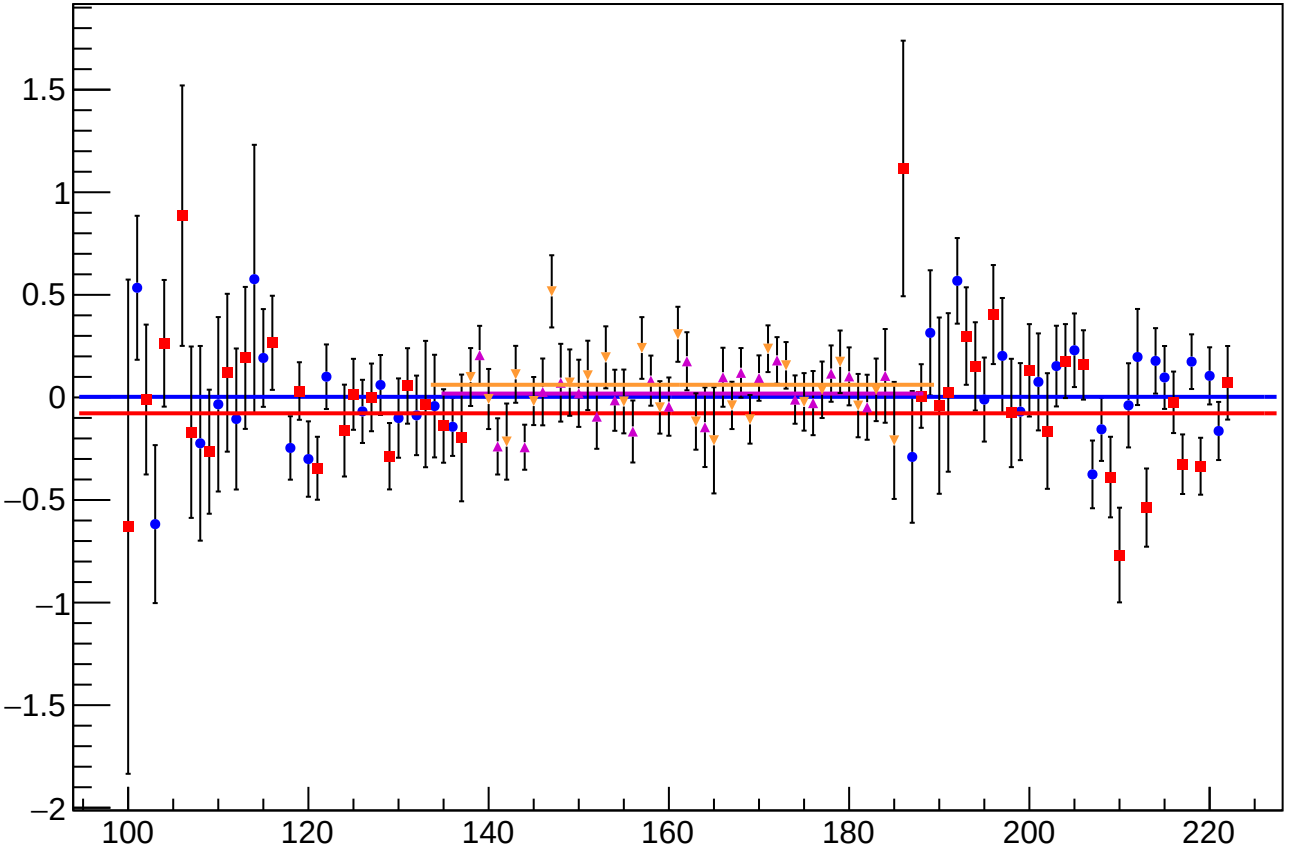
Right: 0.004+/-0.000 χ^2/NDF: 38928102.2/71

In: 0.006+/-0.000 χ^2/NDF:22343575.7/56

Out: 0.004+/-0.000 χ^2/NDF:32622127.4/62

All: 0.005+/-0.000 χ^2/NDF: 56905342.6/119

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: -0.077+/-0.034 χ^2/NDF: 55.1/37

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

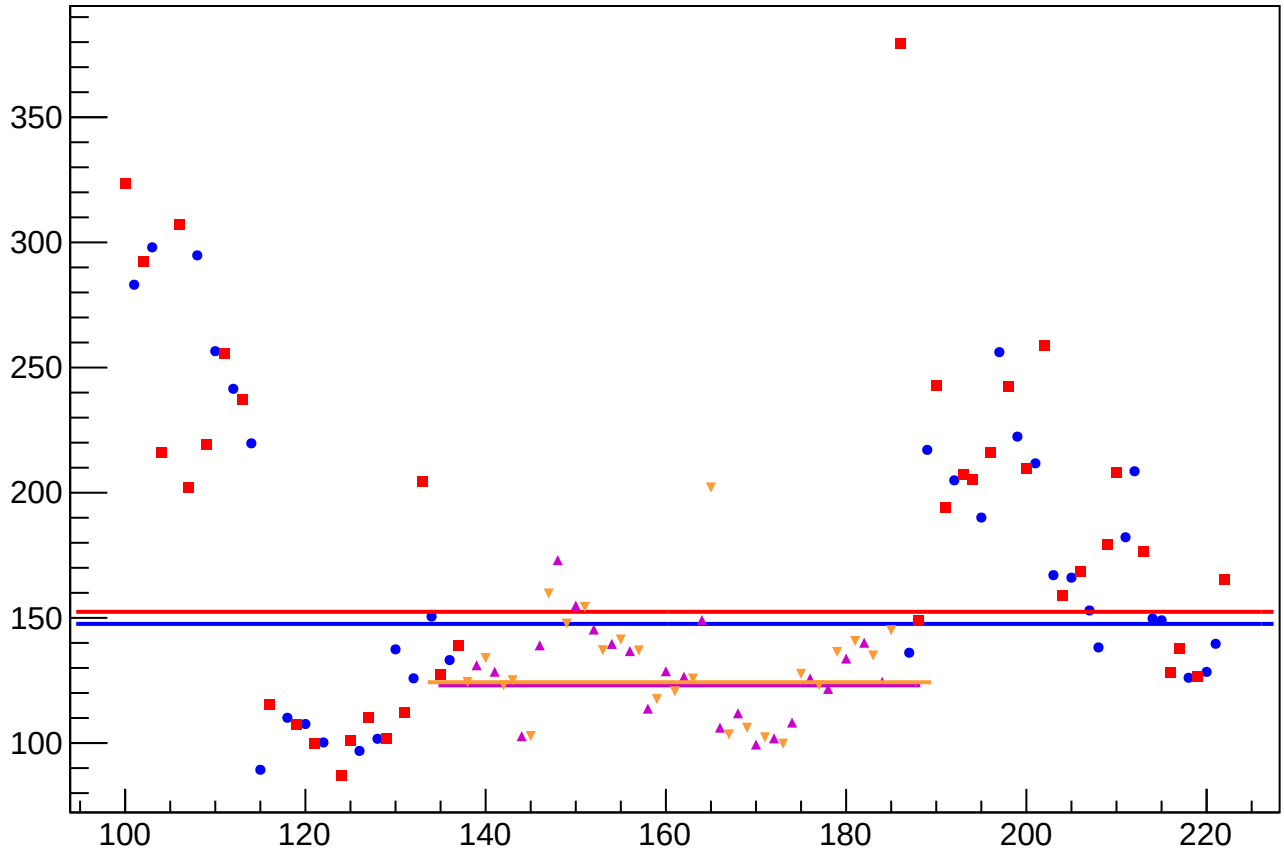
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.024 χ^2/NDF: 96.5/71

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.004+/-0.022 χ^2/NDF:92.2/62

All: 0.008+/-0.016 χ^2/NDF: 151.3/119



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: 152.423+/-0.024 χ^2/NDF: 4039470.3/37

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

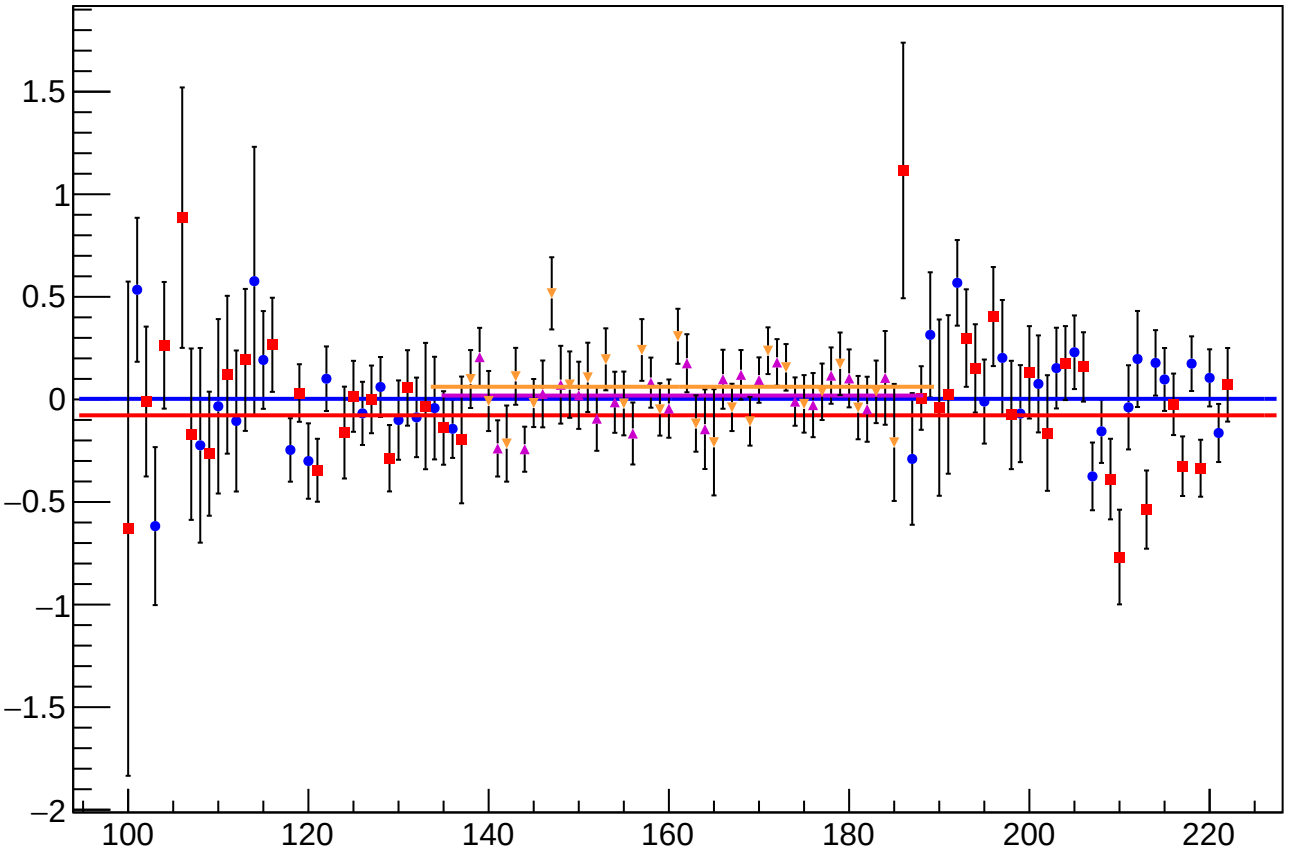
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 149.931+/-0.017 χ^2/NDF: 7466771.9/71

In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 135.850+/-0.016 χ^2/NDF:5671018.0/62

All: 134.828+/-0.011 χ^2/NDF: 10418457.2/11



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: -0.077+/-0.034 χ^2/NDF: 55.1/37

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

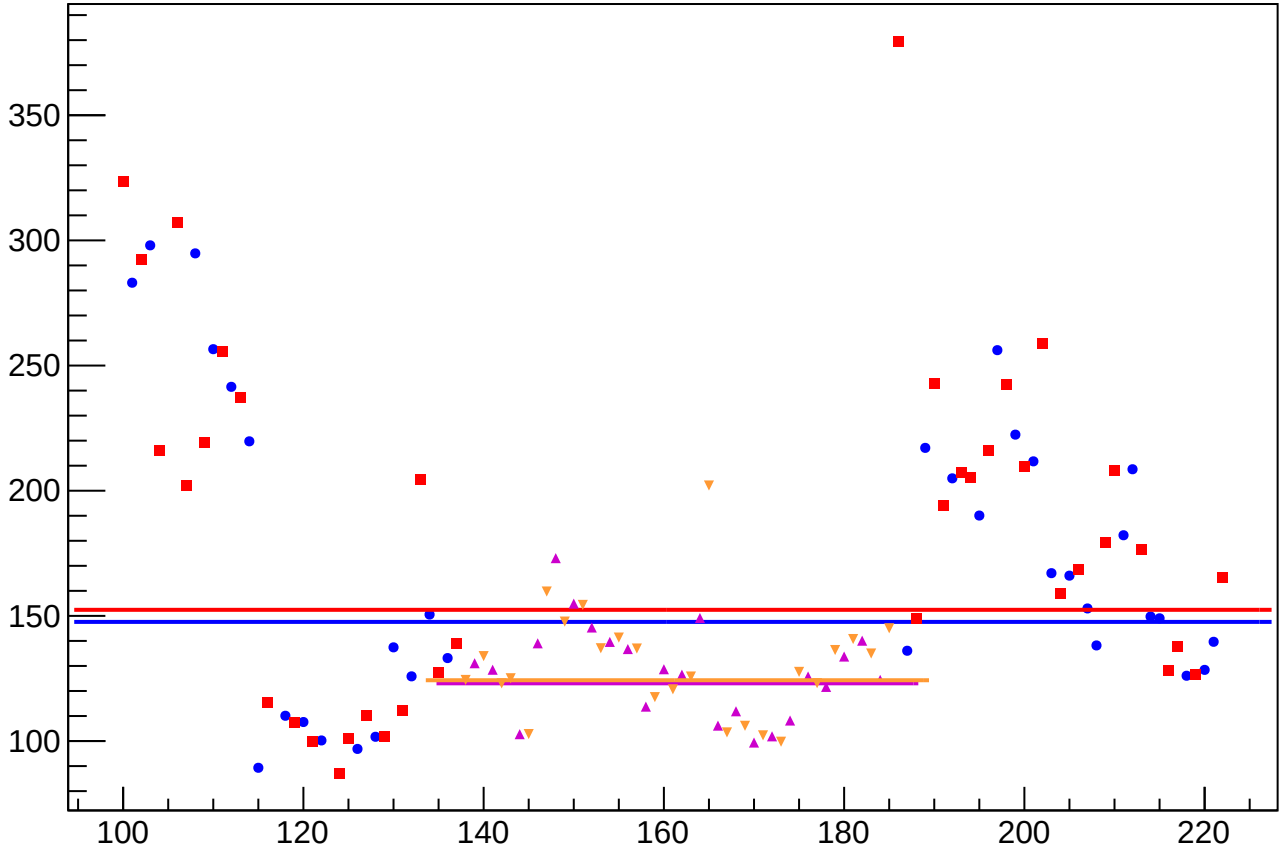
Right: -0.036+/-0.024 χ^2/NDF: 96.5/71

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.004+/-0.022 χ^2/NDF:92.2/62

All: 0.008+/-0.016 χ^2/NDF: 151.3/119

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.599+/-0.023 χ^2/NDF: 3406916.9/33

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.423+/-0.024 χ^2/NDF: 4039470.3/37

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

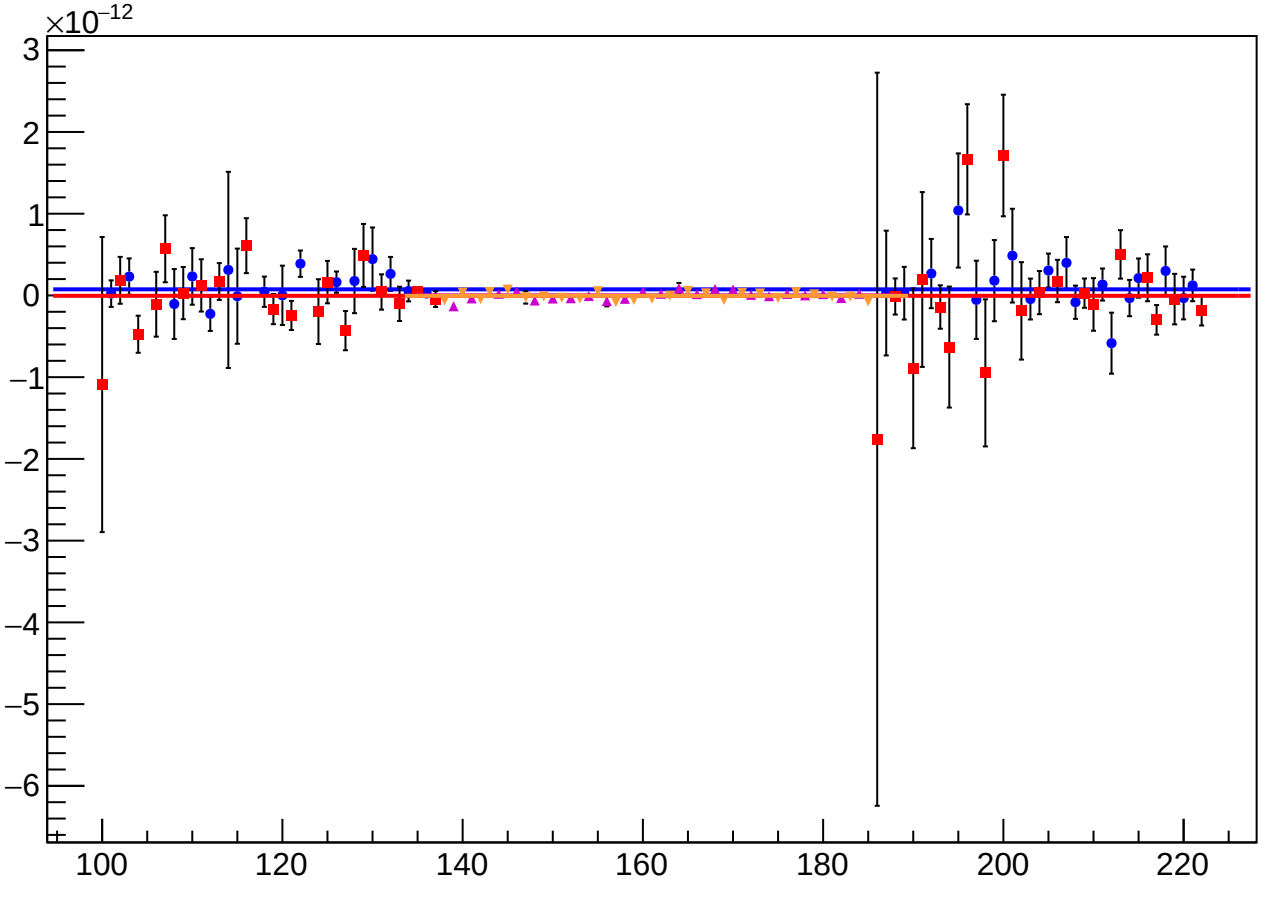
Right: 149.931+/-0.017 χ^2/NDF: 7466771.9/71

In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 135.850+/-0.016 χ^2/NDF:5671018.0/62

All: 134.828+/-0.011 χ^2/NDF: 10418457.2/11

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/37

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

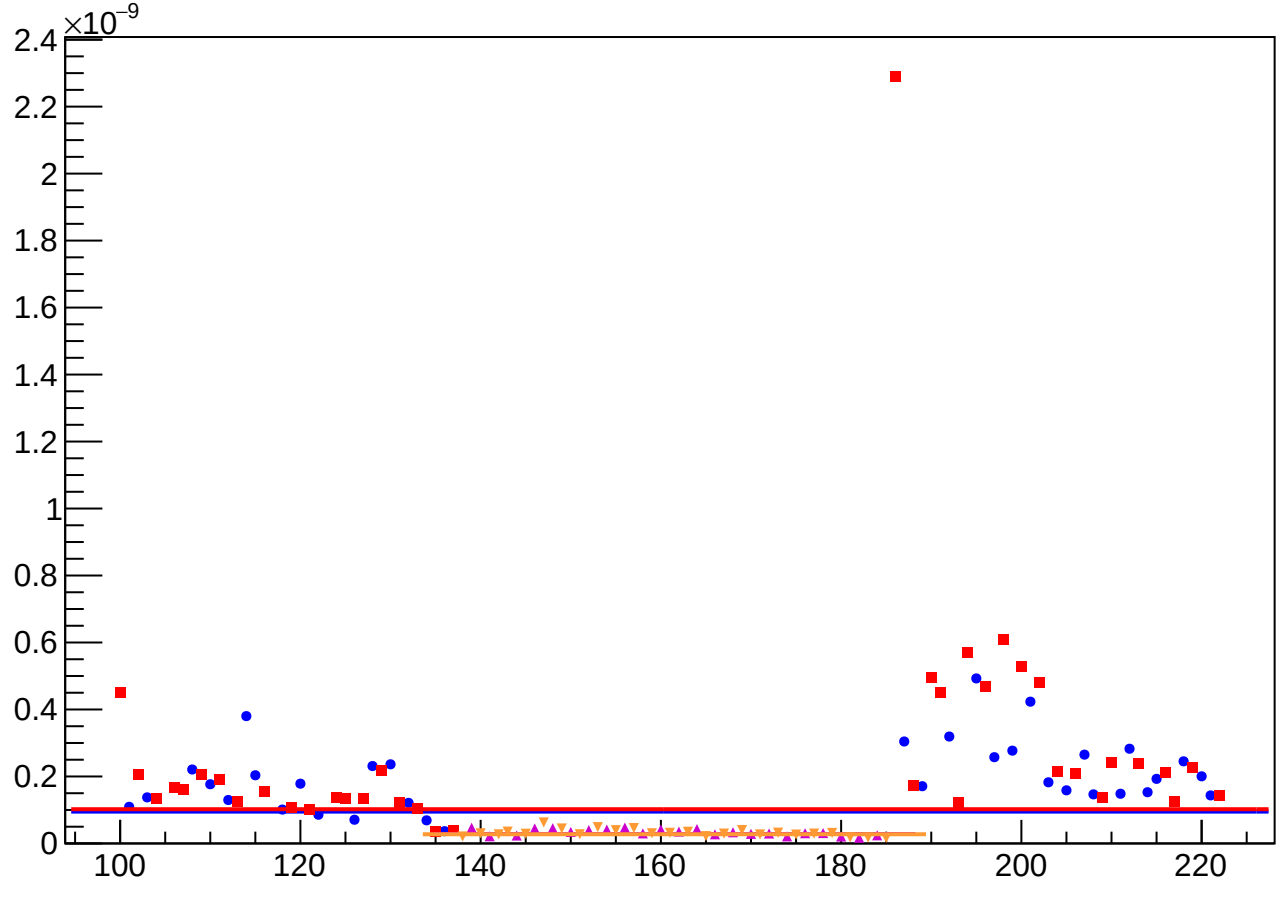
Right: 0.000+/-0.000 χ^2/NDF: 66.8/71

In: 0.000+/-0.000 χ^2/NDF:50.7/56

Out: -0.000+/-0.000 χ^2/NDF:67.6/62

All: -0.000+/-0.000 χ^2/NDF: 119.0/119

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: 11743033.1/37

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

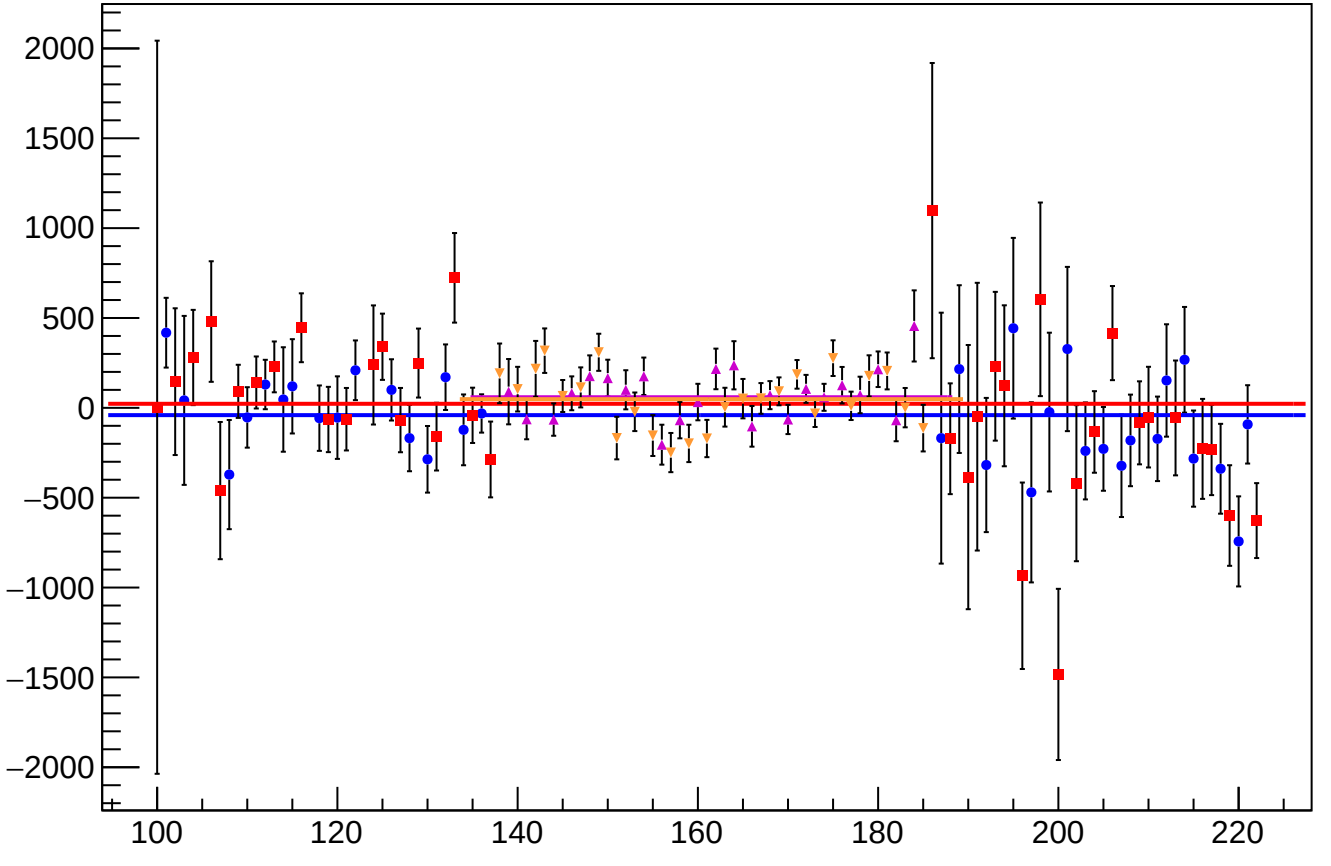
Right: 0.000+/-0.000 χ^2/NDF: 22020892.4/71

In: 0.000+/-0.000 χ^2/NDF:20728826.4/56

Out: 0.000+/-0.000 χ^2/NDF:23203829.0/62

All: 0.000+/-0.000 χ^2/NDF: 43956829.4/119

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: 22.552+/-38.943 χ^2/NDF: 67.0/37

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

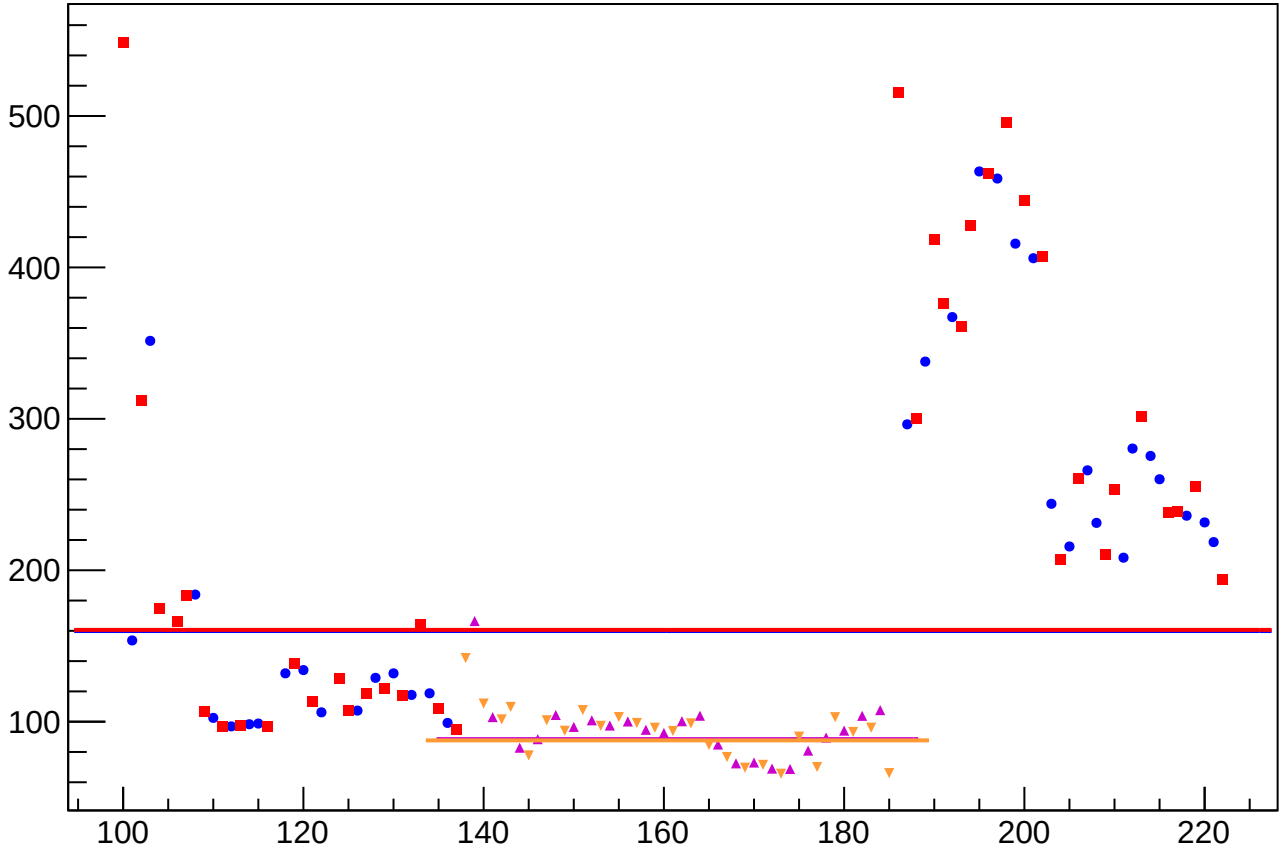
Right: -9.414+/-27.354 χ^2/NDF: 101.5/71

In: 35.860+/-18.533 χ^2/NDF:68.9/56

Out: 42.819+/-18.087 χ^2/NDF:120.9/62

All: 39.424+/-12.944 χ^2/NDF: 189.9/119

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: 160.623+/-0.028 χ^2/NDF: 9599683.2/37

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

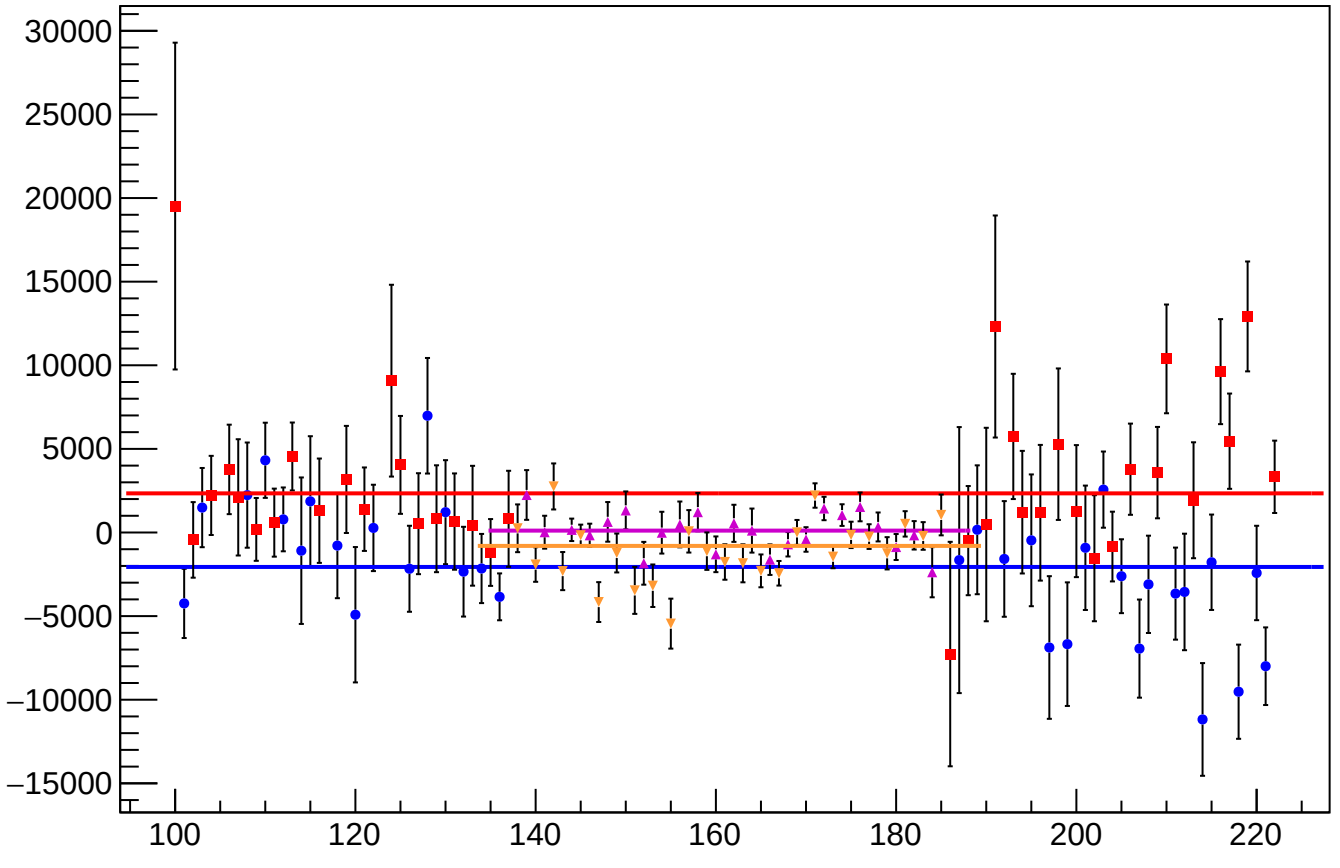
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 160.242+/-0.019 χ^2/NDF: 18097304.5/71

In: 105.084+/-0.013 χ^2/NDF:14868957.4/56

Out: 103.395+/-0.013 χ^2/NDF:16319888.8/62

All: 104.219+/-0.009 χ^2/NDF: 31197355.7/1



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: 2340.461+/-475.333 χ^2/NDF: 48.6/37

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

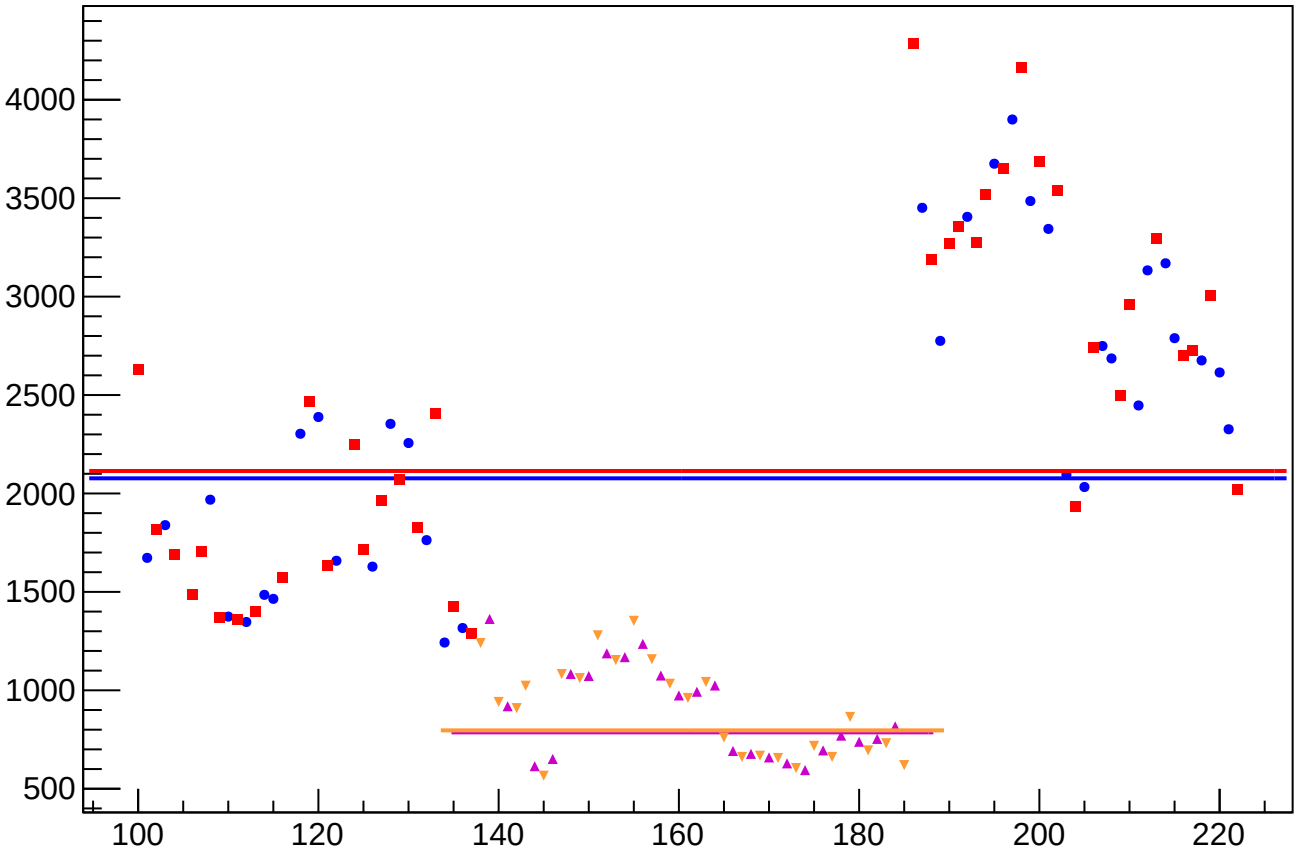
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 106.929+/-333.569 χ^2/NDF: 151.7/71

In: -195.459+/-176.271 χ^2/NDF:105.1/56

Out: -377.450+/-174.626 χ^2/NDF:158.3/62

All: -287.308+/-124.057 χ^2/NDF: 264.0/119



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: 2114.189+/-0.336 χ^2/NDF: 4921977.5/37

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

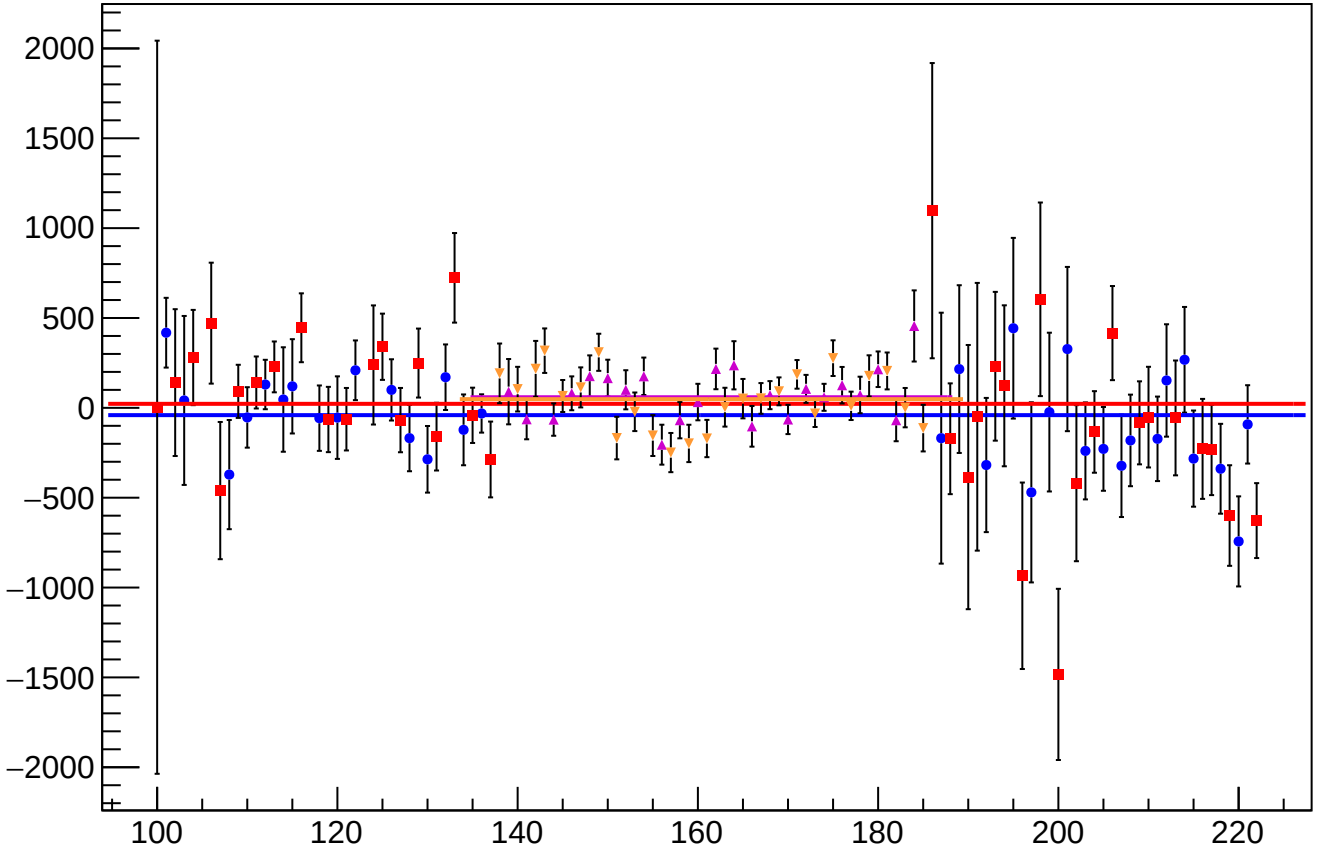
Right: 2095.274+/-0.236 χ^2/NDF: 9269156.6/71

In: 969.250+/-0.125 χ^2/NDF:19538958.4/56

Out: 974.362+/-0.123 χ^2/NDF:20634523.4/62

All: 971.830+/-0.088 χ^2/NDF: 40174331.0/1

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -40.559+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 22.342+/-38.945 χ^2/NDF: 66.9/37

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

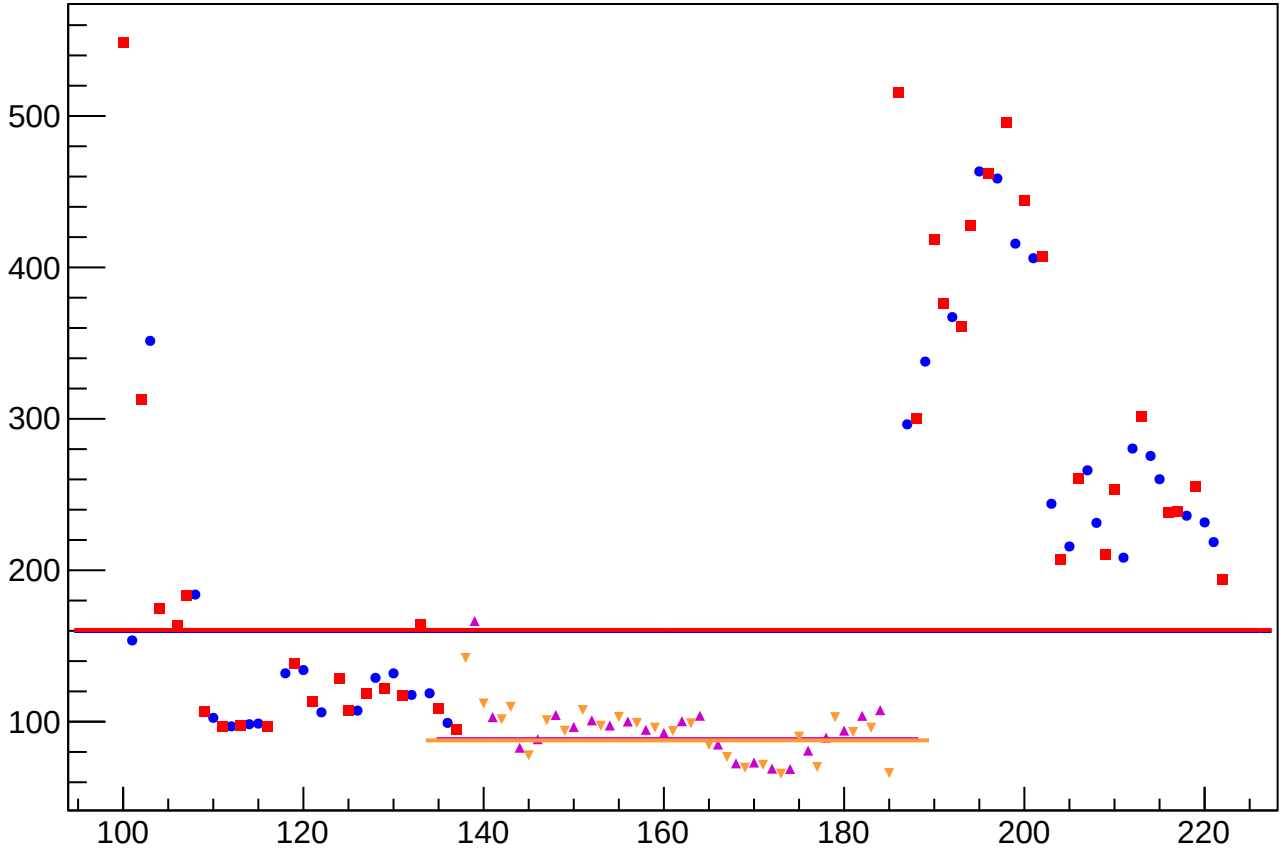
Right: -9.525+/-27.355 χ^2/NDF: 101.4/71

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 42.779+/-18.087 χ^2/NDF:120.8/62

All: 39.403+/-12.944 χ^2/NDF: 189.8/119

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: 160.589+/-0.028 χ^2/NDF: 9599462.6/37

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

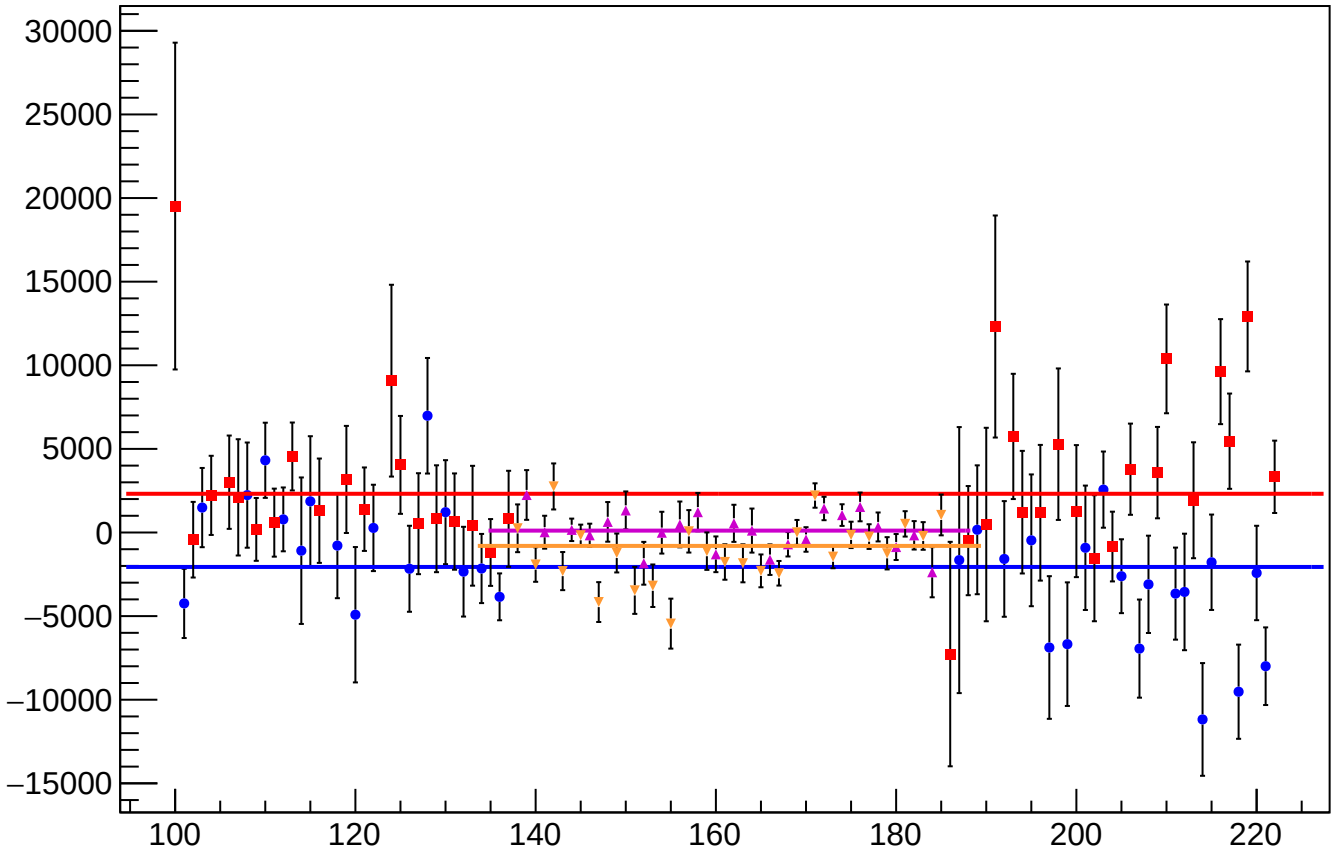
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 160.225+/-0.019 χ^2/NDF: 18097053.7/71

In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 103.387+/-0.013 χ^2/NDF:16314223.4/62

All: 104.215+/-0.009 χ^2/NDF: 31191776.6/1



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: 2315.420+/-475.960 χ^2/NDF: 48.4/37

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

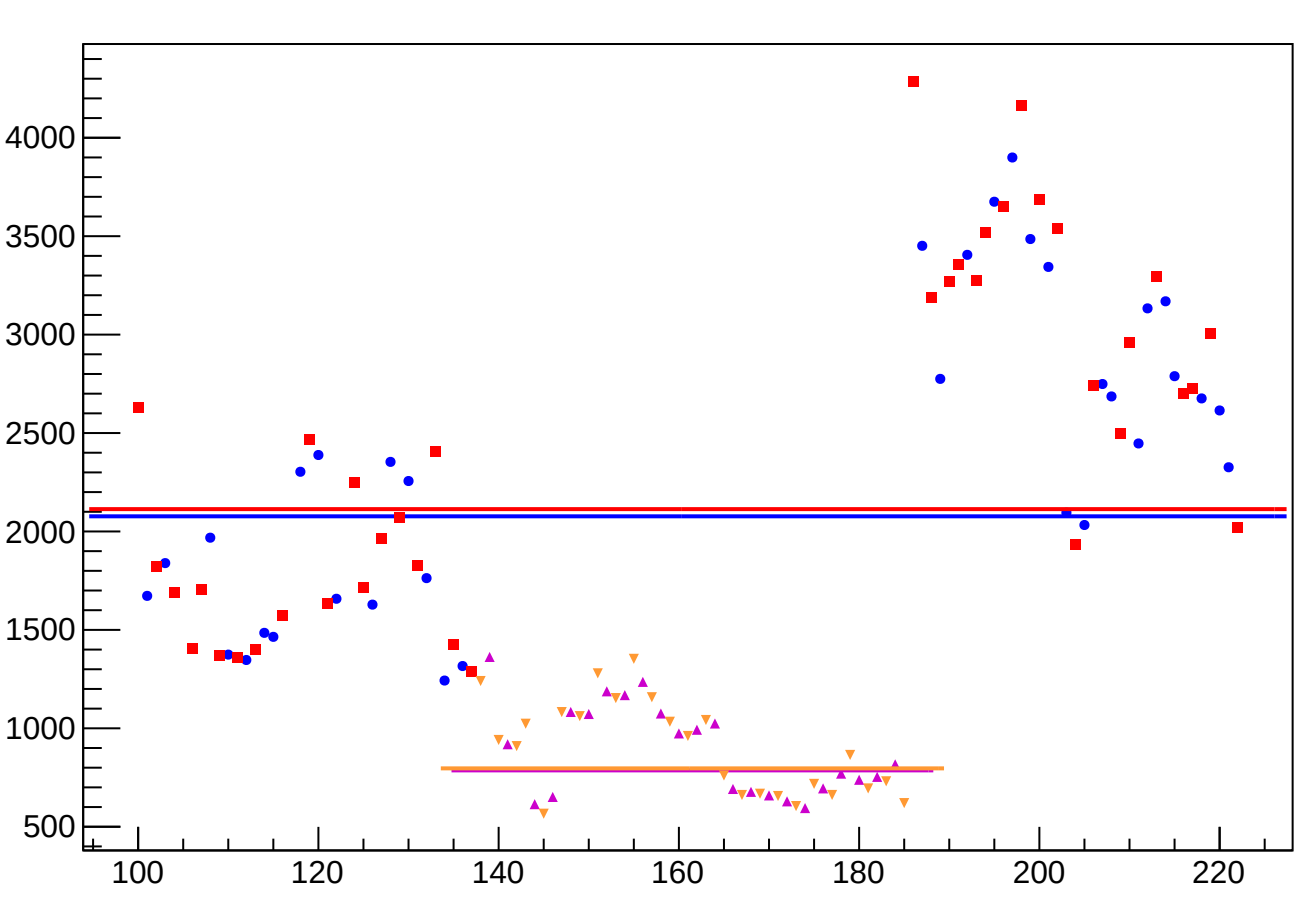
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 91.724+/-333.786 χ^2/NDF: 150.9/71

In: -195.456+/-176.271 χ^2/NDF:105.1/56

Out: -381.781+/-174.657 χ^2/NDF:157.4/62

All: -289.476+/-124.068 χ^2/NDF: 263.1/119



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: 2113.525+/-0.337 χ^2/NDF: 4940477.7/37

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

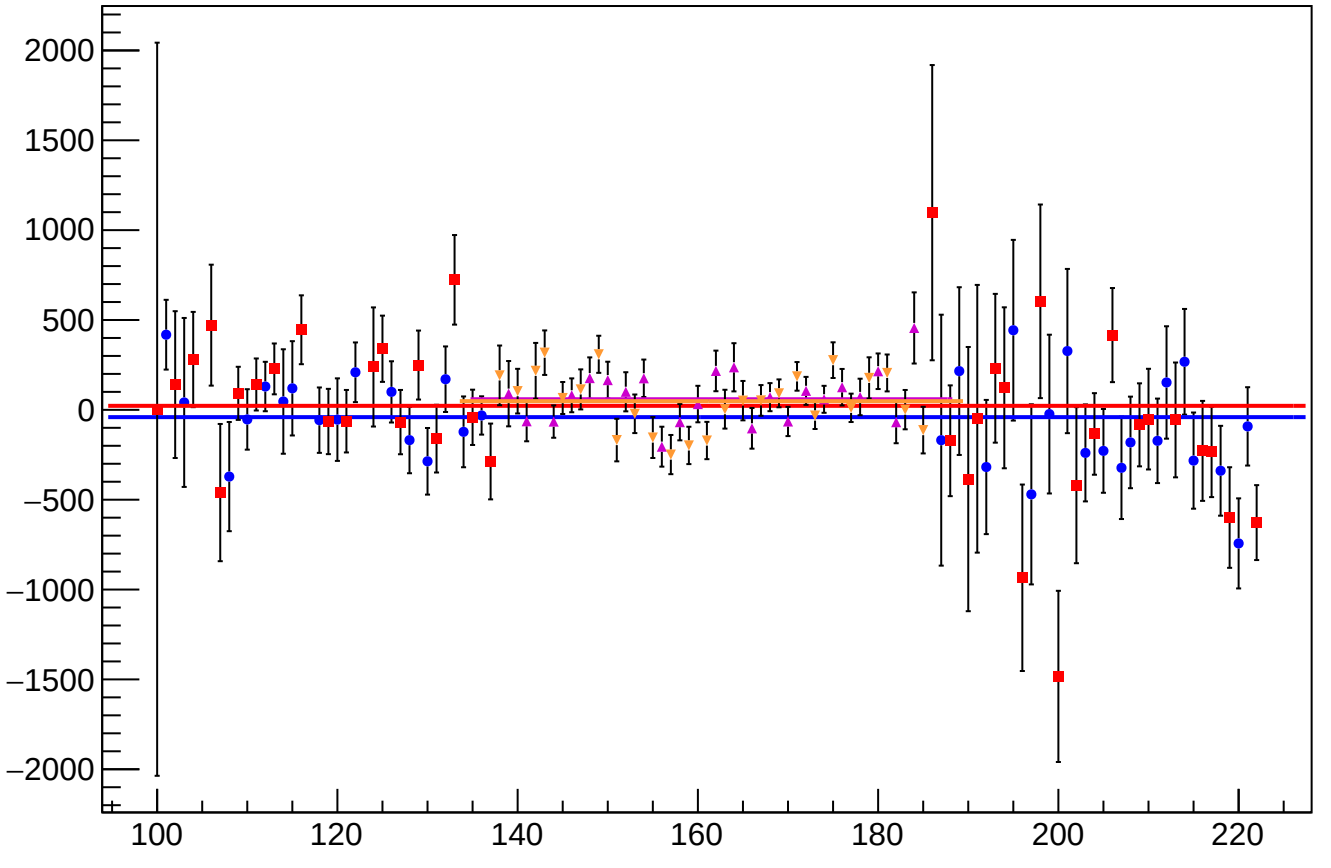
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2094.928+/-0.236 χ^2/NDF: 9287393.9/71

In: 969.250+/-0.125 χ^2/NDF:19539017.2/56

Out: 973.868+/-0.124 χ^2/NDF:20609387.0/62

All: 971.580+/-0.088 χ^2/NDF: 40149096.9/11



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: 22.342+/-38.945 χ^2/NDF: 66.9/37

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

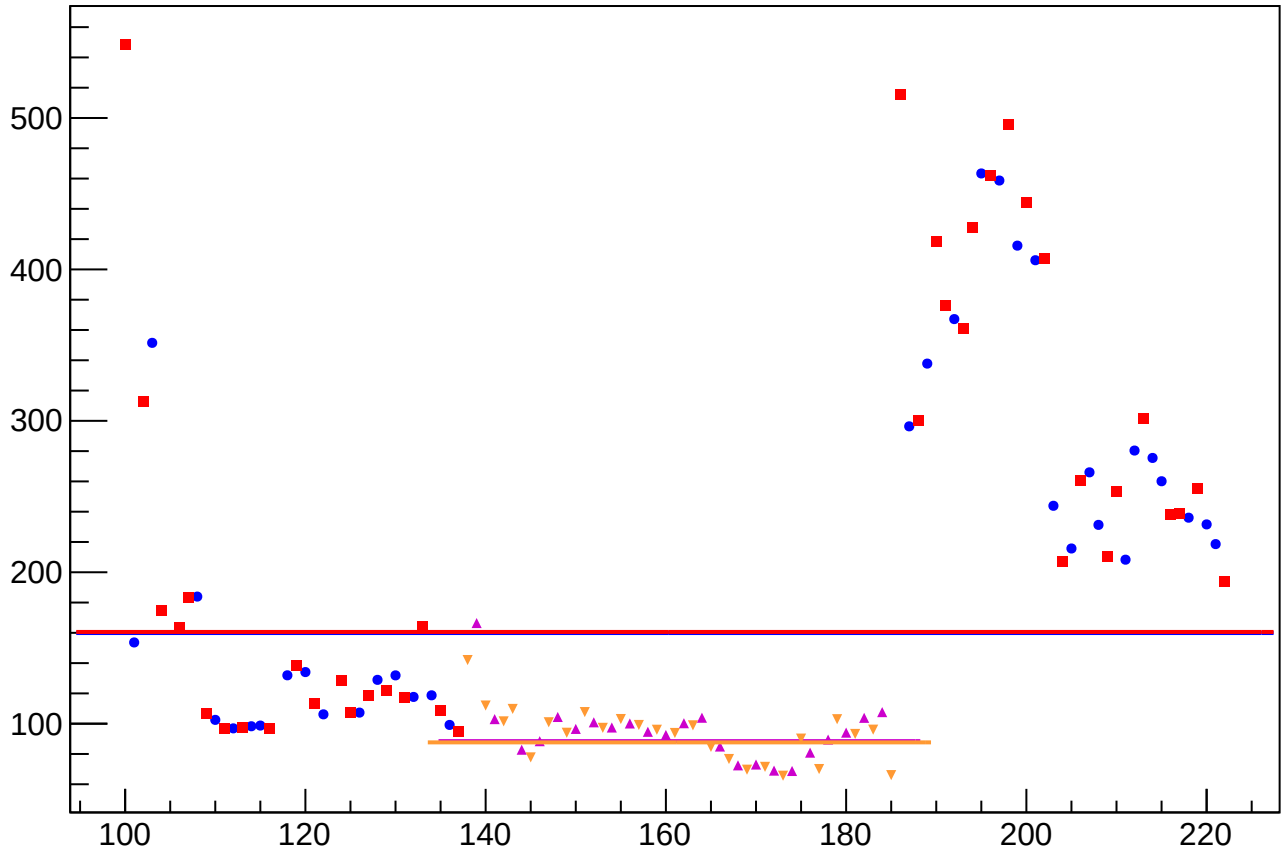
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: -9.525+/-27.355 χ^2/NDF: 101.4/71

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 42.779+/-18.087 χ^2/NDF:120.8/62

All: 39.403+/-12.944 χ^2/NDF: 189.8/119



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: 160.589+/-0.028 χ^2/NDF: 9599462.6/37

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

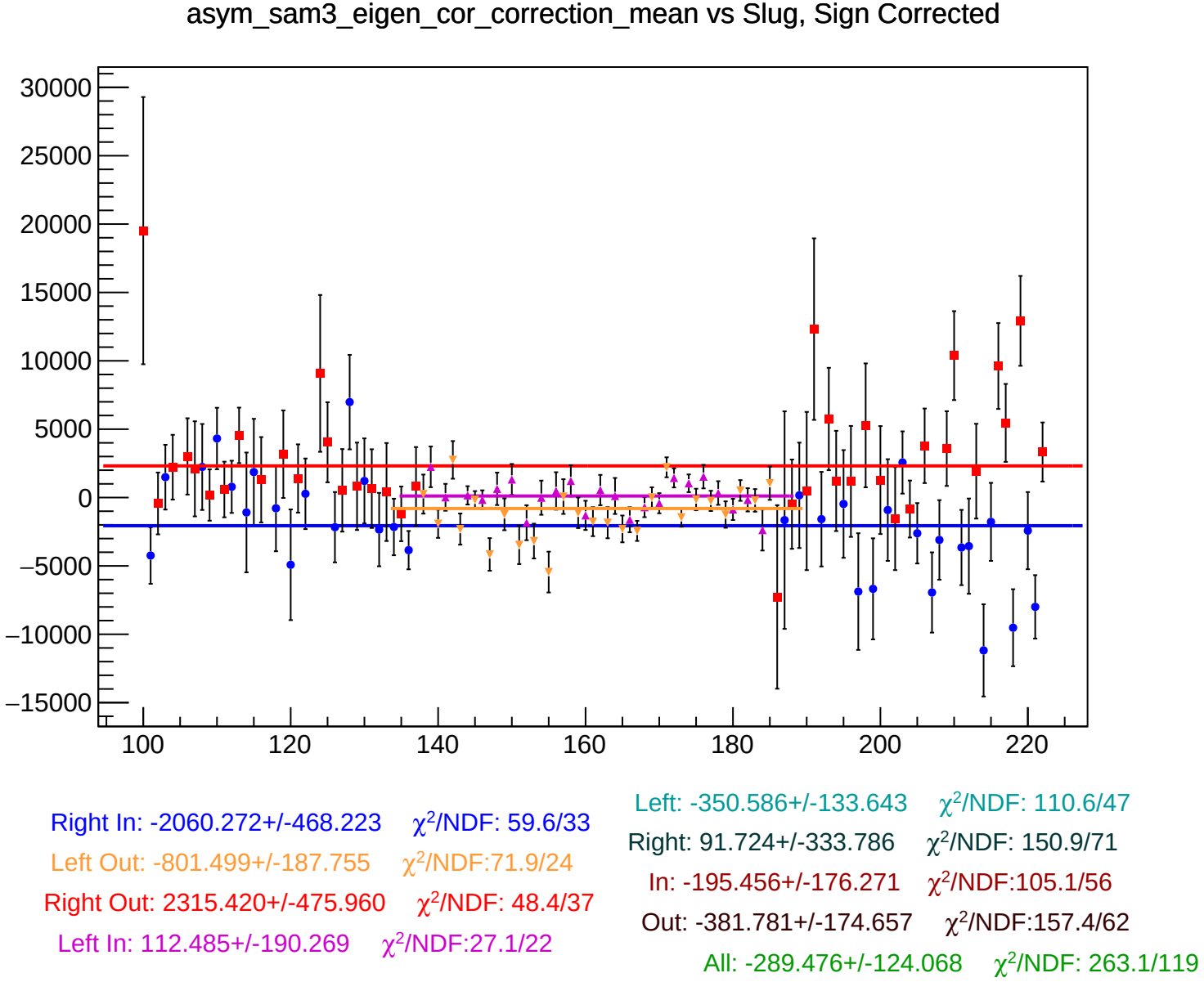
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

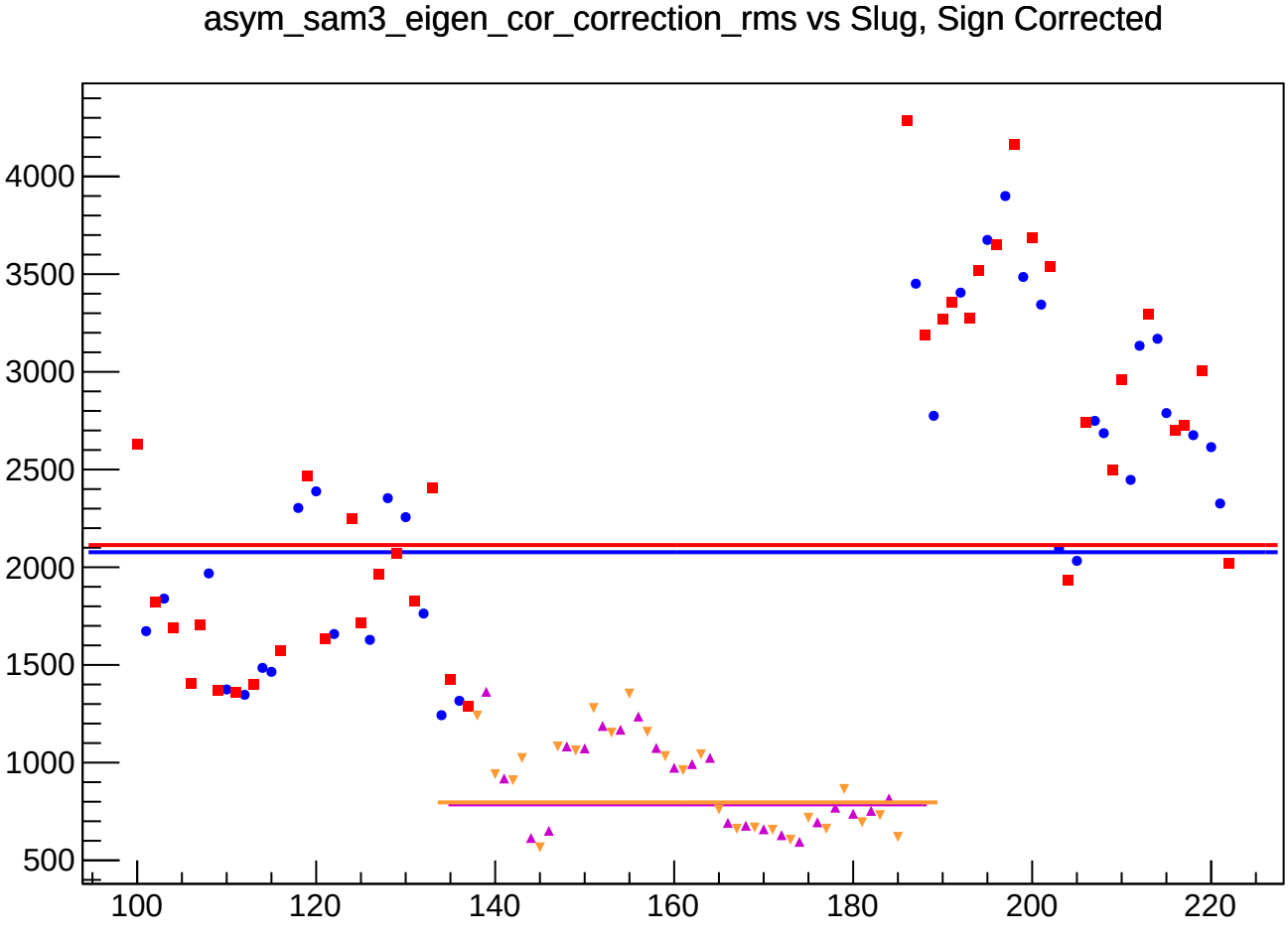
Right: 160.225+/-0.019 χ^2/NDF: 18097053.7/71

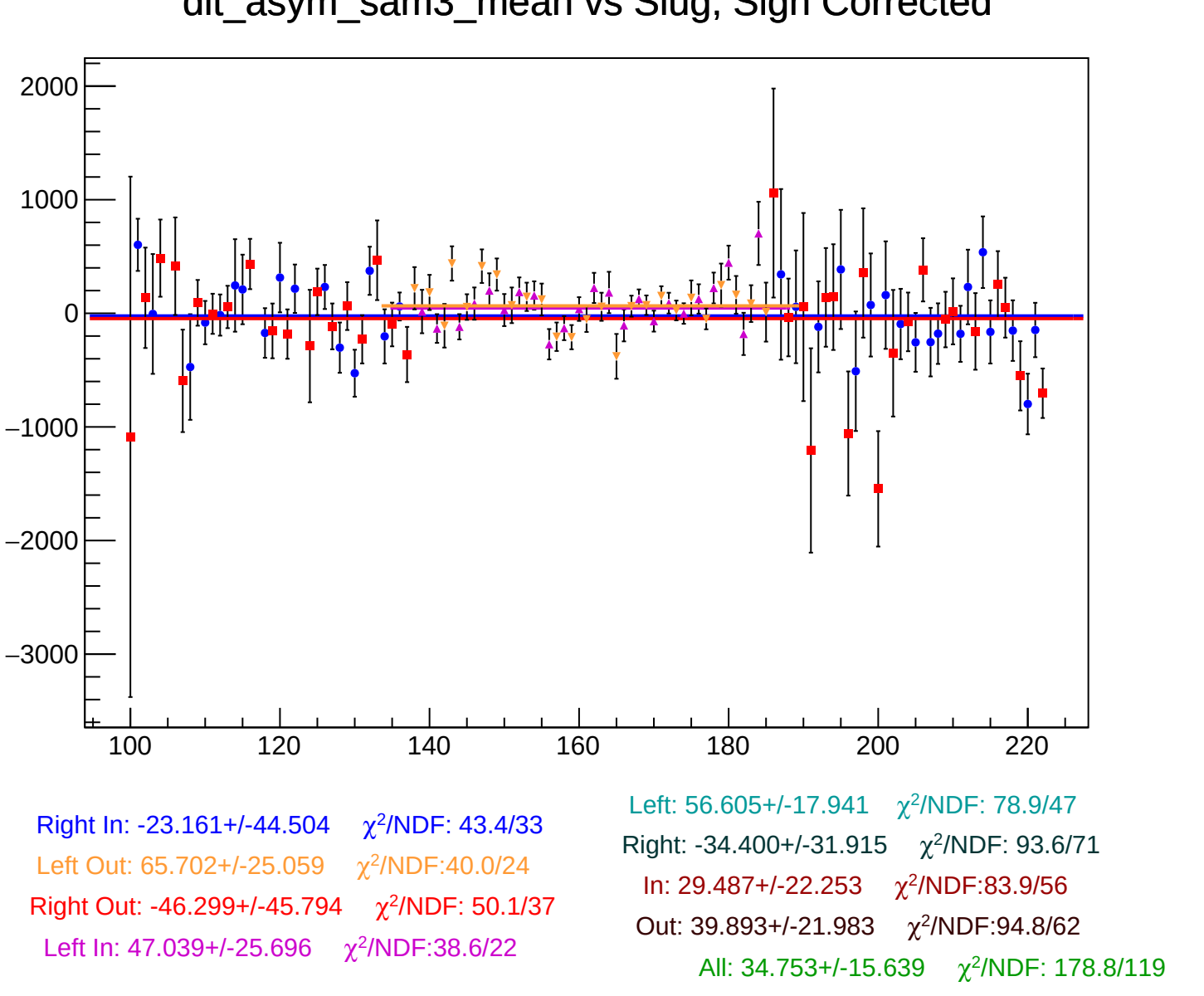
In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 103.387+/-0.013 χ^2/NDF:16314223.4/62

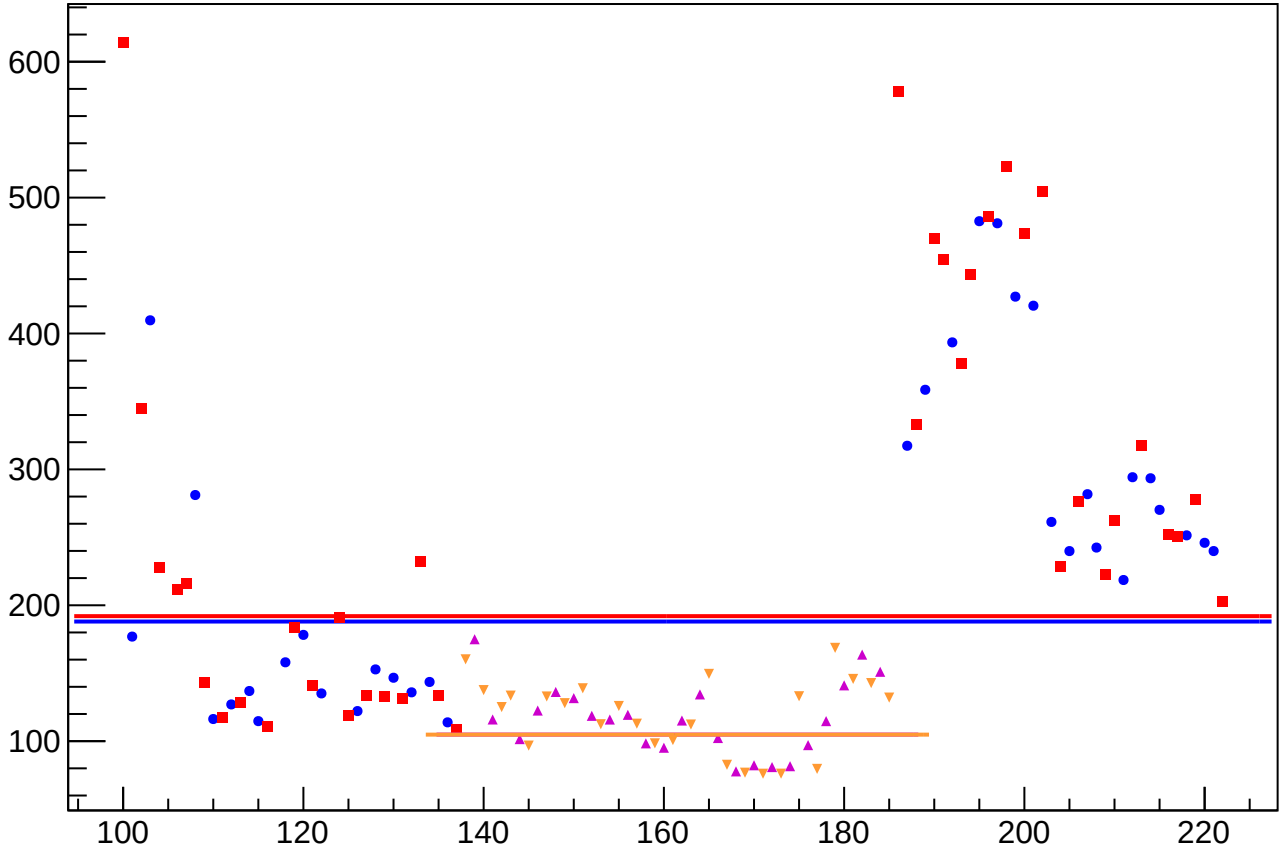
All: 104.215+/-0.009 χ^2/NDF: 31191776.6/1


asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -2060.272+/-468.223 χ²/NDF: 59.6/33
Left Out: -801.499+/-187.755 χ²/NDF:71.9/24
Right Out: 2315.420+/-475.960 χ²/NDF: 48.4/37
Left In: 112.485+/-190.269 χ²/NDF:27.1/22
Left: -350.586+/-133.643 χ²/NDF: 110.6/47
Right: 91.724+/-333.786 χ²/NDF: 150.9/71
In: -195.456+/-176.271 χ²/NDF:105.1/56
Out: -381.781+/-174.657 χ²/NDF:157.4/62
All: -289.476+/-124.068 χ²/NDF: 263.1/119


asym_sam3_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 2076.931+/-0.331 χ²/NDF: 4340908.2/33
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 2113.525+/-0.337 χ²/NDF: 4940477.7/37
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
Left: 791.497+/-0.094 χ²/NDF: 4577356.9/47
Right: 2094.928+/-0.236 χ²/NDF: 9287393.9/71
In: 969.250+/-0.125 χ²/NDF:19539017.2/56
Out: 973.868+/-0.124 χ²/NDF:20609387.0/62
All: 971.580+/-0.088 χ²/NDF: 40149096.9/11


dit_asym_sam3_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
220
Right In: -23.161+/-44.504 χ²/NDF: 43.4/33
Left Out: 65.702+/-25.059 χ²/NDF:40.0/24
Right Out: -46.299+/-45.794 χ²/NDF: 50.1/37
Left In: 47.039+/-25.696 χ²/NDF:38.6/22
Left: 56.605+/-17.941 χ²/NDF: 78.9/47
Right: -34.400+/-31.915 χ²/NDF: 93.6/71
In: 29.487+/-22.253 χ²/NDF:83.9/56
Out: 39.893+/-21.983 χ²/NDF:94.8/62
All: 34.753+/-15.639 χ²/NDF: 178.8/119

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 188.038+/-0.031 χ^2/NDF: 7052418.1/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 192.001+/-0.032 χ^2/NDF: 8146655.0/37

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

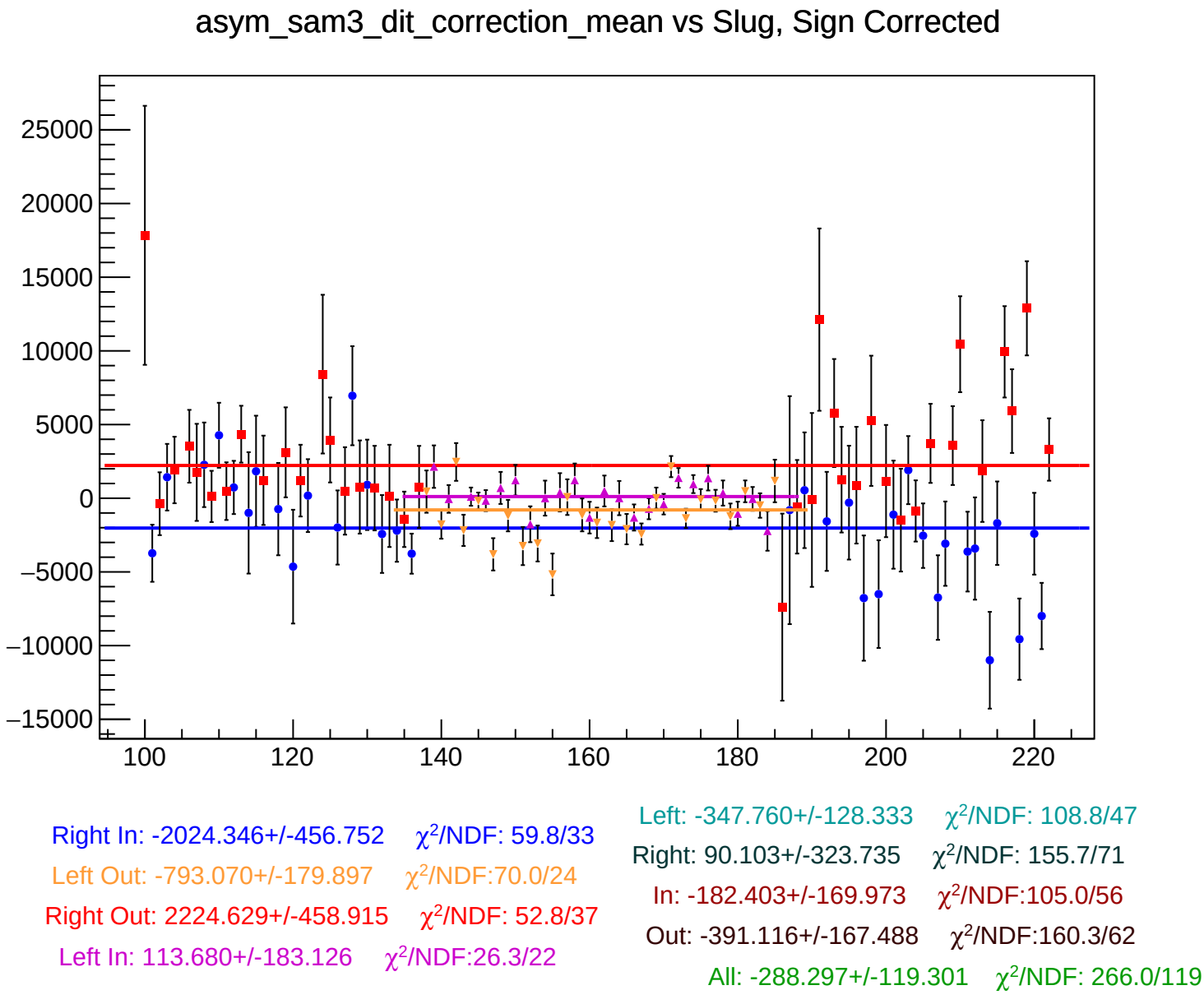
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

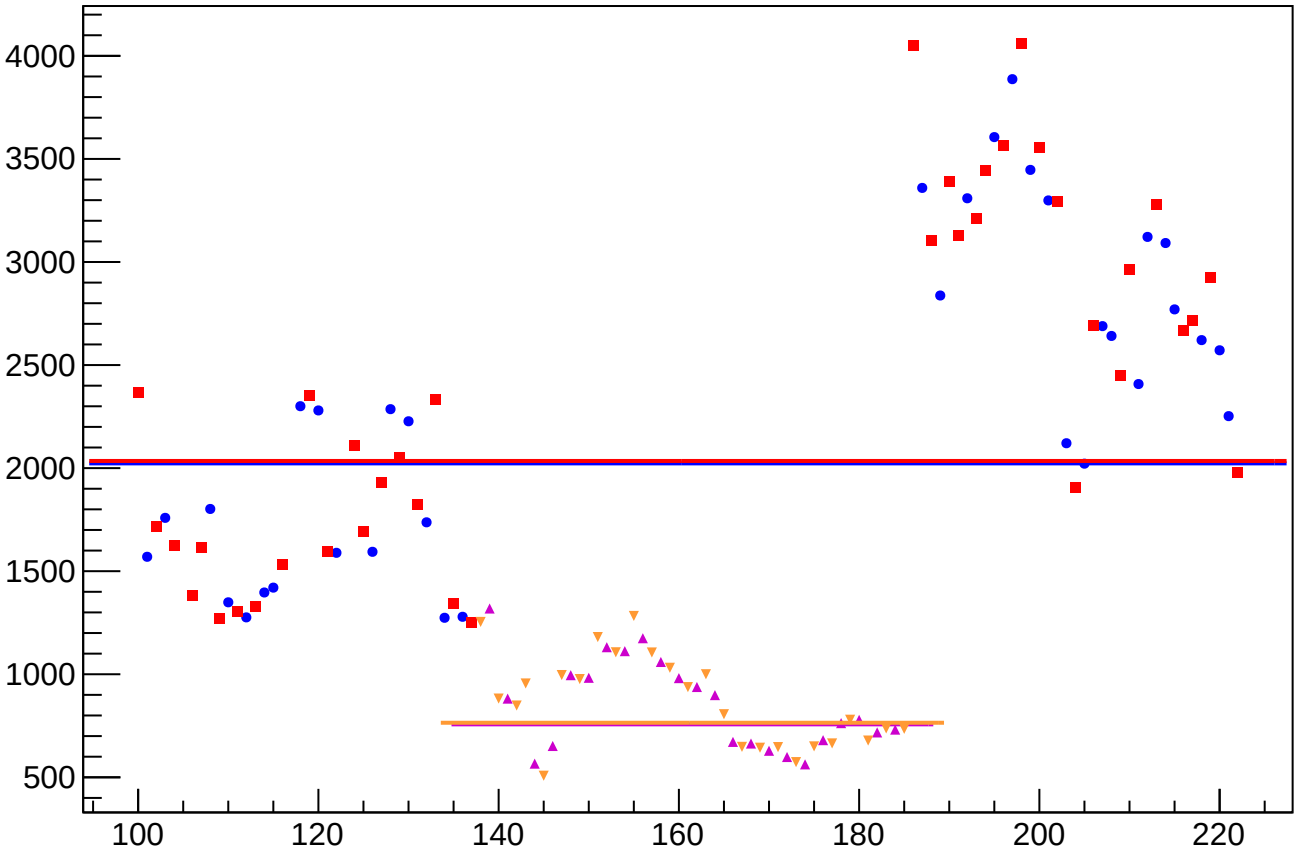
Right: 189.963+/-0.023 χ^2/NDF: 15206775.4/71

In: 125.638+/-0.016 χ^2/NDF:13909702.4/56

Out: 124.902+/-0.016 χ^2/NDF:15968870.9/62

All: 125.265+/-0.011 χ^2/NDF: 29879679.5/11


asym_sam3_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -2024.346+/-456.752 χ²/NDF: 59.8/33
Left Out: -793.070+/-179.897 χ²/NDF:70.0/24
Right Out: 2224.629+/-458.915 χ²/NDF: 52.8/37
Left In: 113.680+/-183.126 χ²/NDF:26.3/22
Left: -347.760+/-128.333 χ²/NDF: 108.8/47
Right: 90.103+/-323.735 χ²/NDF: 155.7/71
In: -182.403+/-169.973 χ²/NDF:105.0/56
Out: -391.116+/-167.488 χ²/NDF:160.3/62
All: -288.297+/-119.301 χ²/NDF: 266.0/119



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: 2034.734+/-0.325 χ^2/NDF: 5207768.8/37

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

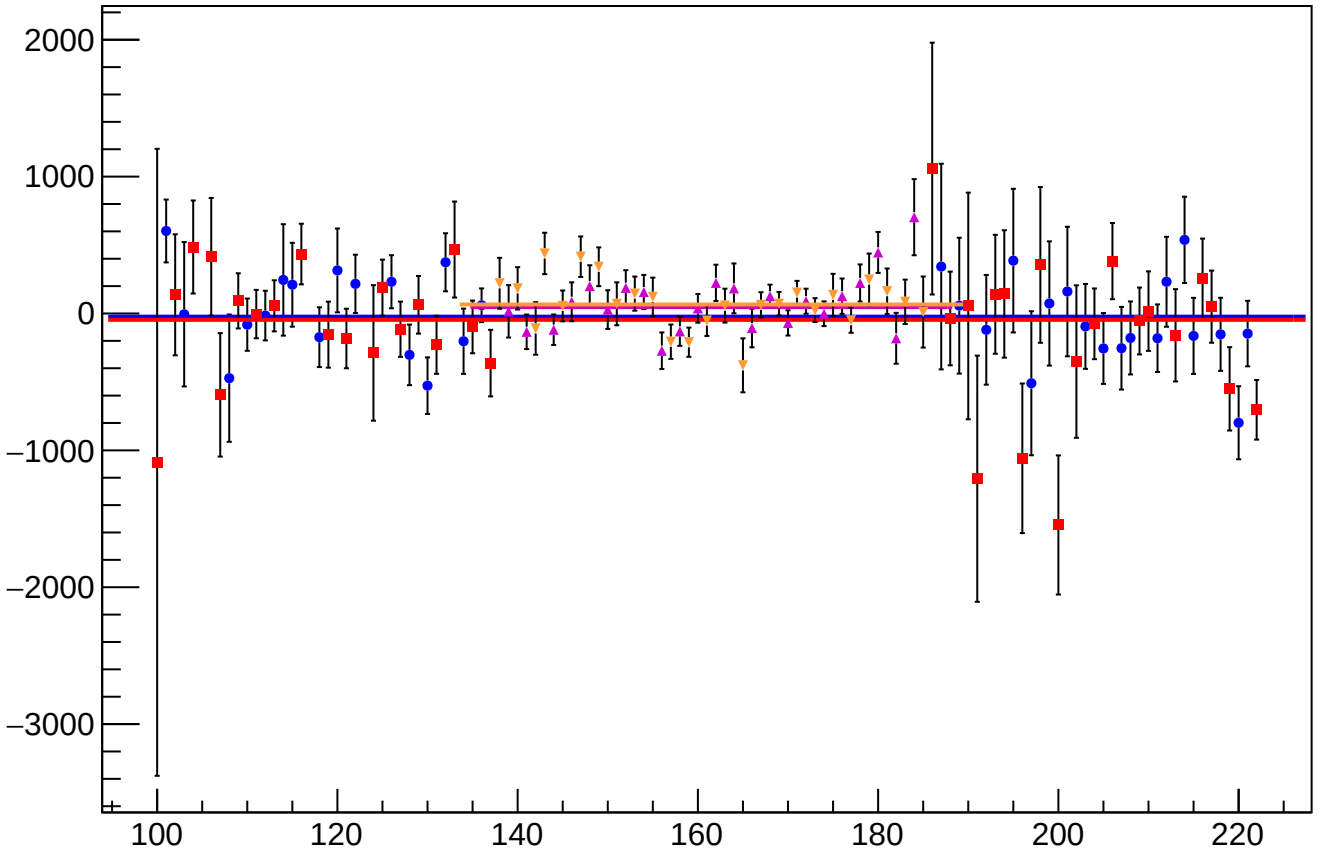
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2028.840+/-0.229 χ^2/NDF: 9715499.1/71

In: 932.258+/-0.120 χ^2/NDF:19861228.0/56

Out: 933.897+/-0.118 χ^2/NDF:20910088.3/62

All: 933.089+/-0.084 χ^2/NDF: 40771410.6/11



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: -46.303+/-45.795 χ^2/NDF: 50.1/37

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

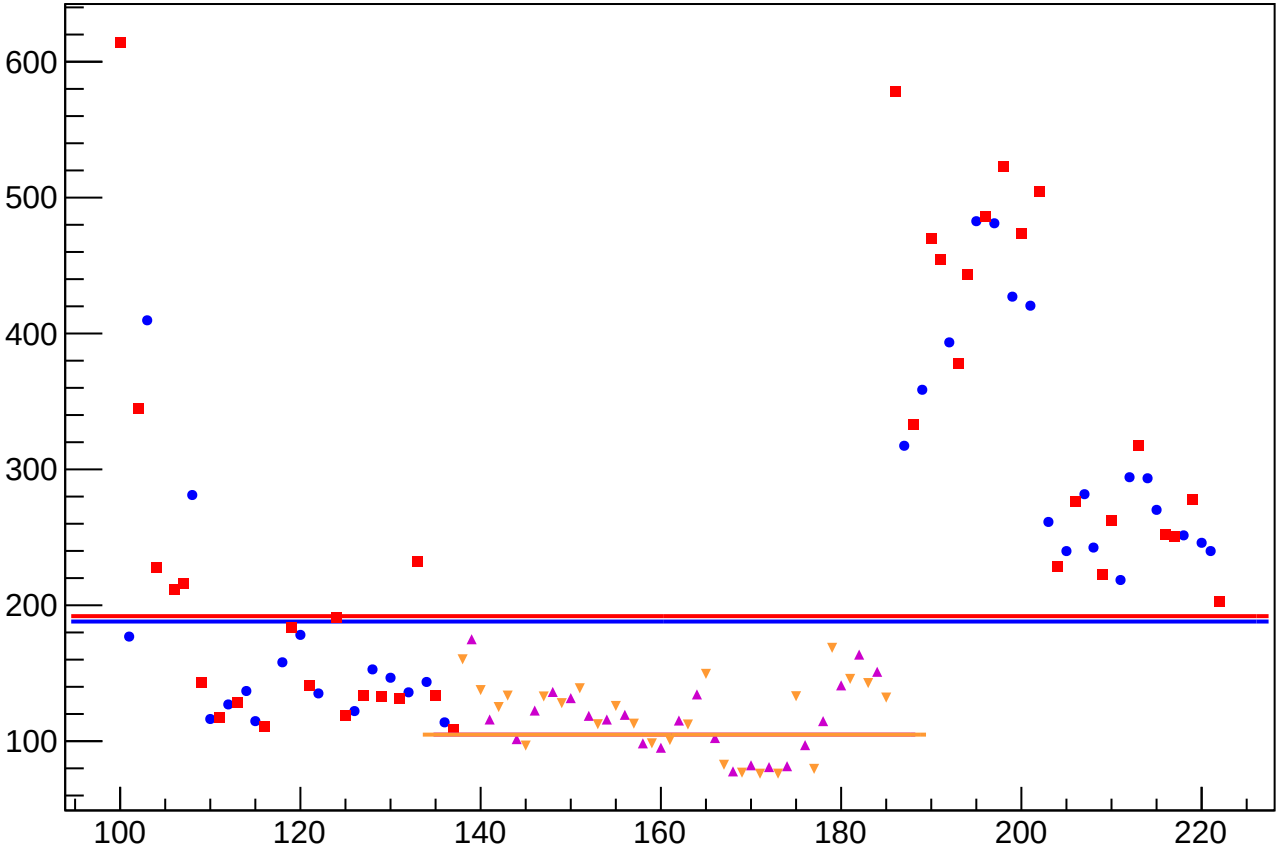
Right: -34.402+/-31.916 χ^2/NDF: 93.6/71

In: 29.486+/-22.253 χ^2/NDF:83.9/56

Out: 39.892+/-21.983 χ^2/NDF:94.8/62

All: 34.753+/-15.639 χ^2/NDF: 178.8/119

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 188.038+/-0.031 χ^2/NDF: 7052396.6/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 192.001+/-0.032 χ^2/NDF: 8146625.0/37

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

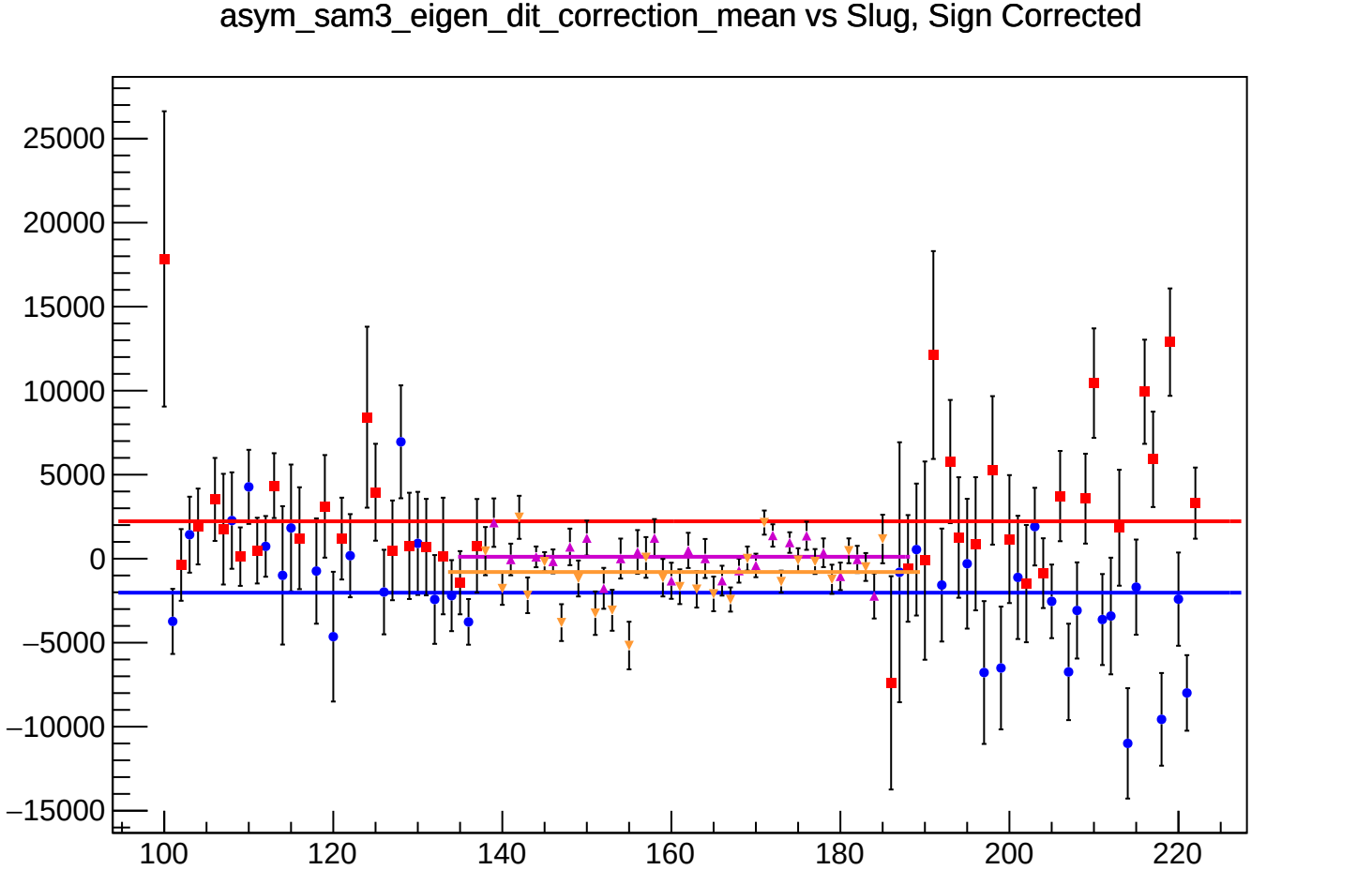
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

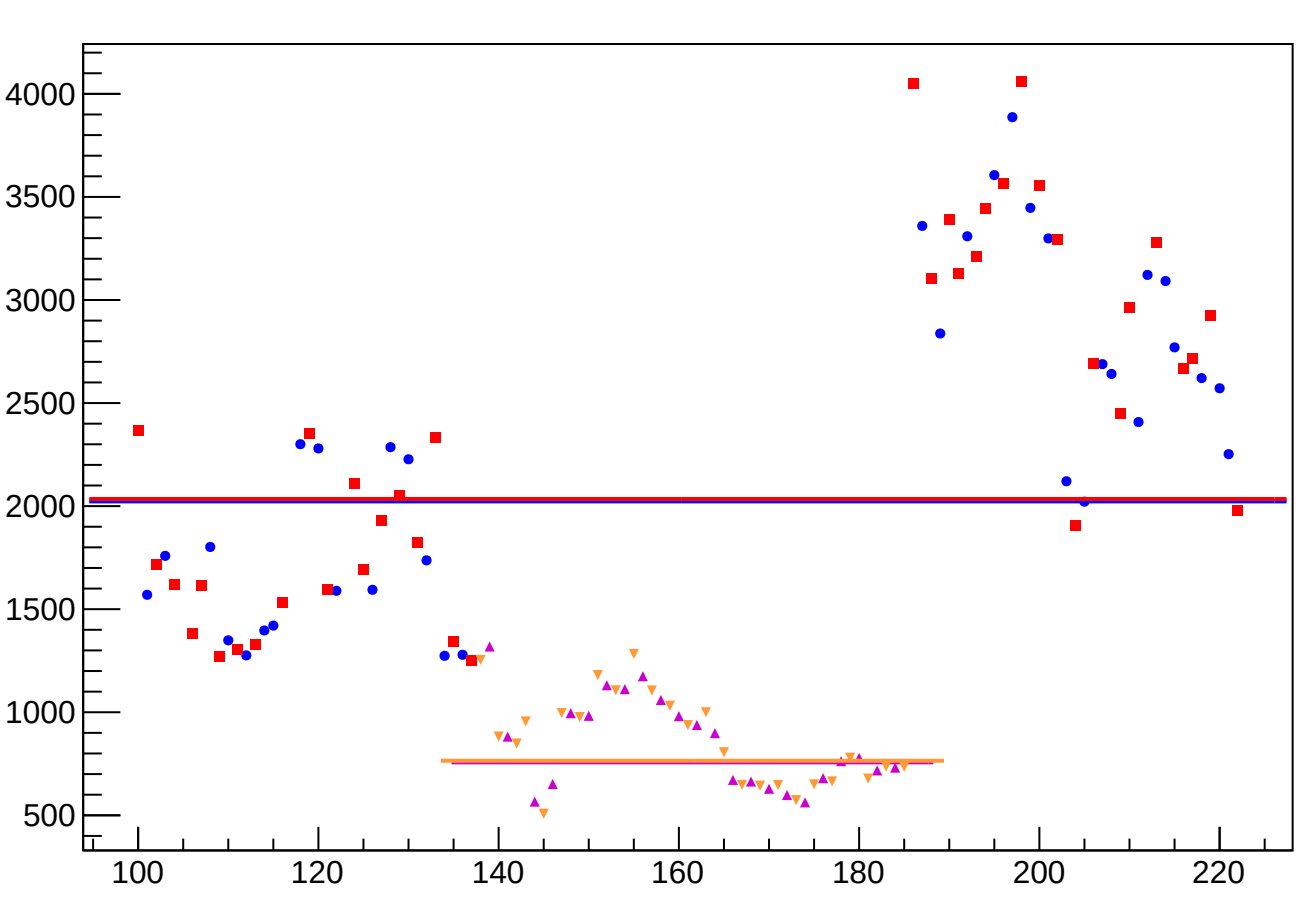
Right: 189.963+/-0.023 χ^2/NDF: 15206724.7/71

In: 125.638+/-0.016 χ^2/NDF:13909668.8/56

Out: 124.903+/-0.016 χ^2/NDF:15968855.4/62

All: 125.266+/-0.011 χ^2/NDF: 29879630.3/11


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -2024.342+/-456.752 χ²/NDF: 59.8/33
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 2224.626+/-458.915 χ²/NDF: 52.8/37
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 90.104+/-323.734 χ²/NDF: 155.7/71
In: -182.403+/-169.973 χ²/NDF:105.0/56
Out: -391.117+/-167.487 χ²/NDF:160.3/62
All: -288.297+/-119.301 χ²/NDF: 266.0/119



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: 2034.732+/-0.325 χ^2/NDF: 5207772.1/37

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

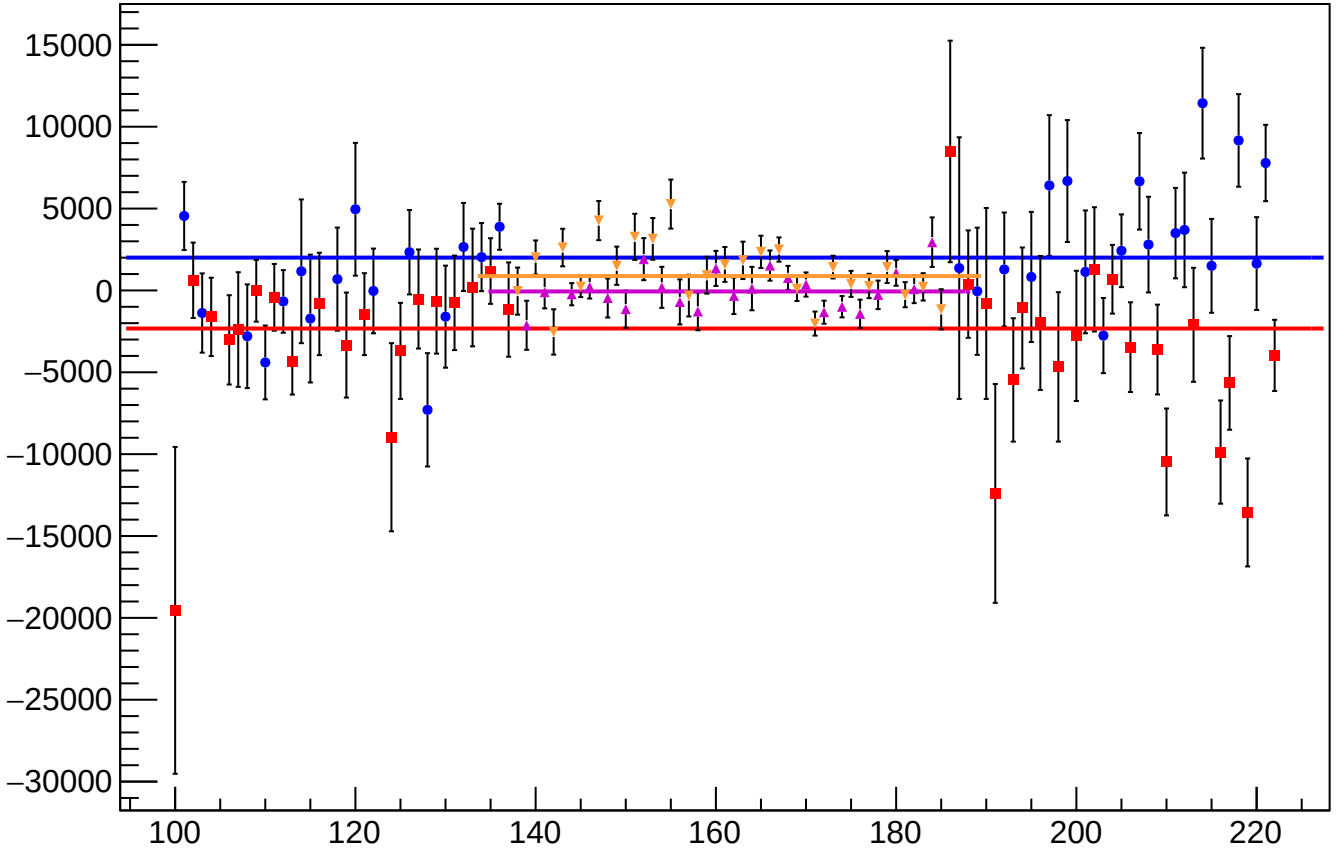
Right: 2028.838+/-0.229 χ^2/NDF: 9715503.4/71

In: 932.257+/-0.120 χ^2/NDF:19861225.8/56

Out: 933.896+/-0.118 χ^2/NDF:20910076.7/62

All: 933.089+/-0.084 χ^2/NDF: 40771396.9/1

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: -2326.453+/-477.914 χ^2/NDF: 50.3/37

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

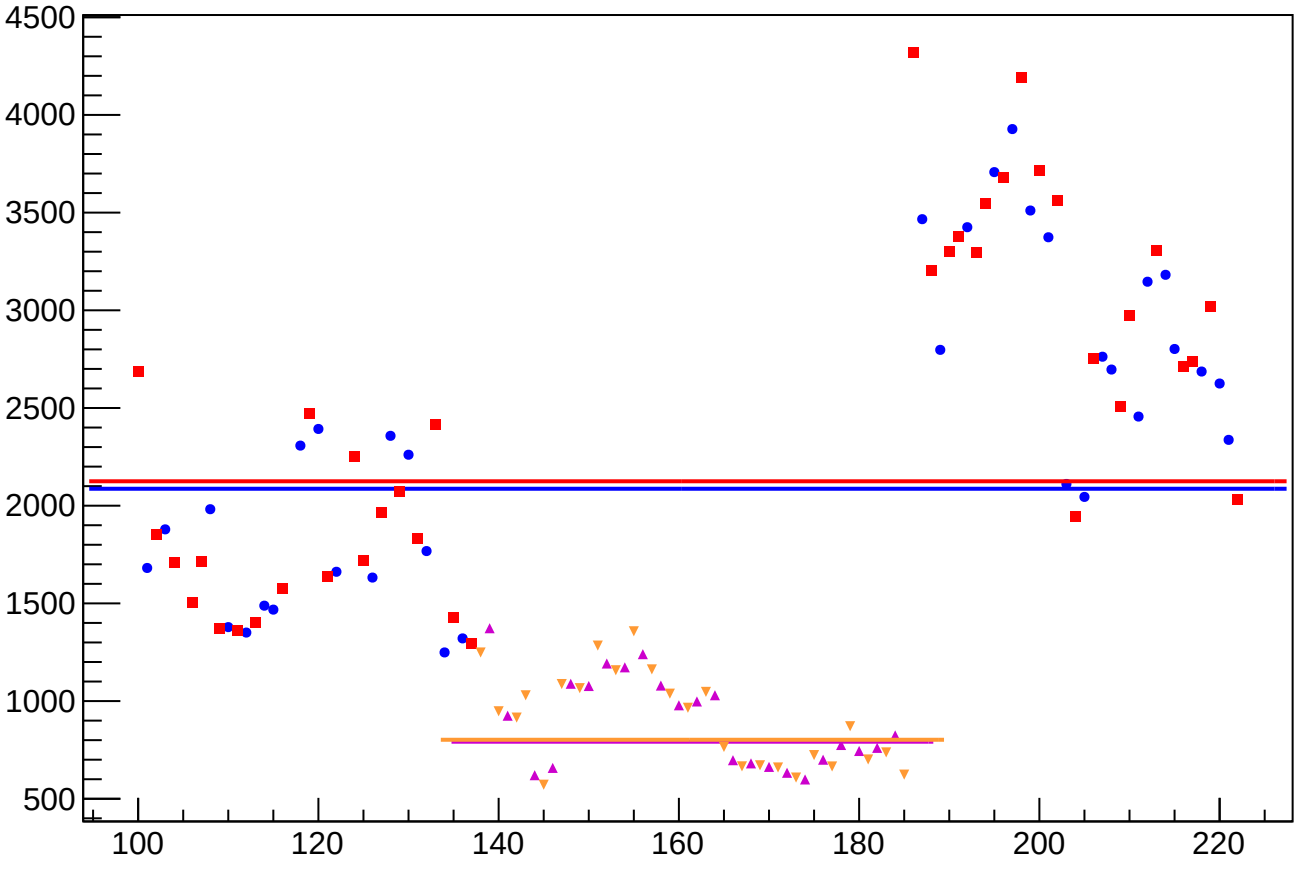
Right: -127.133+/-335.293 χ^2/NDF: 151.3/71

In: 231.294+/-177.449 χ^2/NDF:103.0/56

Out: 443.312+/-175.754 χ^2/NDF:156.4/62

All: 338.320+/-124.872 χ^2/NDF: 260.1/119

asym_sam3_rms vs Slug, Sign Corrected



Right In: 2086.675+/-0.333 χ^2/NDF: 4358007.5/33

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2124.956+/-0.338 χ^2/NDF: 4936131.4/37

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

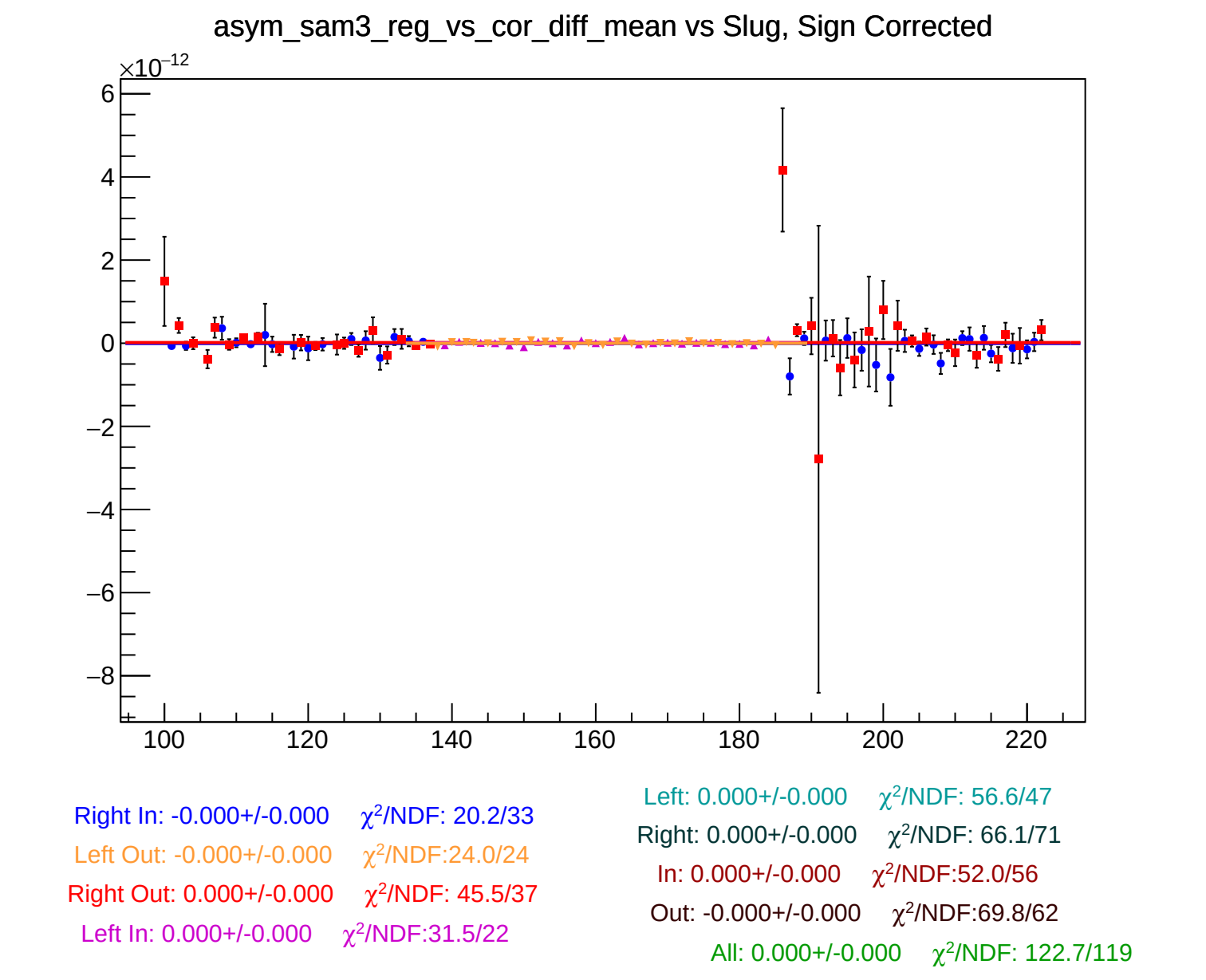
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

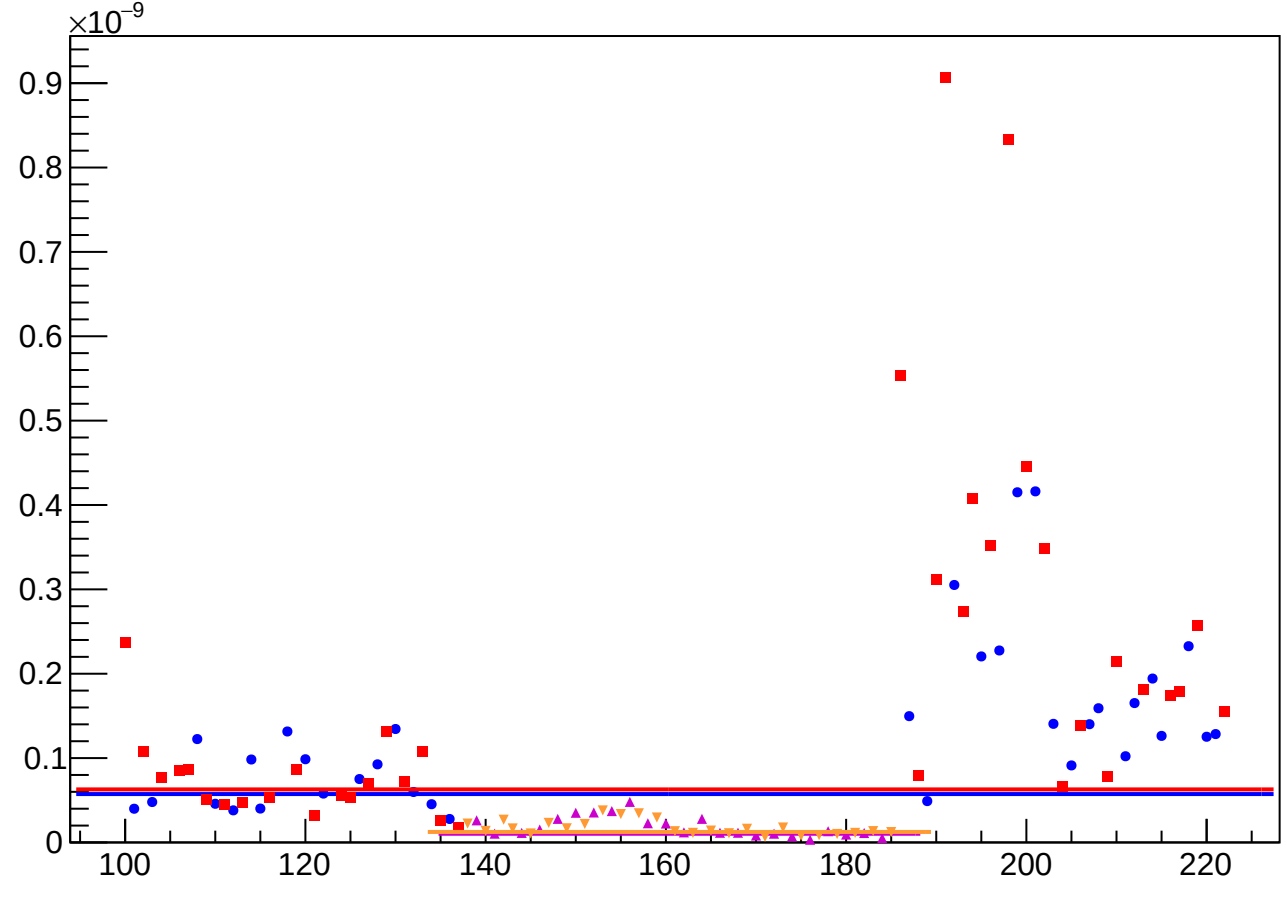
Right: 2105.517+/-0.237 χ^2/NDF: 9300654.7/71

In: 976.189+/-0.125 χ^2/NDF:19480874.7/56

Out: 980.931+/-0.124 χ^2/NDF:20584901.3/62

All: 978.583+/-0.088 χ^2/NDF: 40066496.9/11


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 20.2/33
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.5/37
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 66.1/71
In: 0.000+/-0.000 χ²/NDF:52.0/56
Out: -0.000+/-0.000 χ²/NDF:69.8/62
All: 0.000+/-0.000 χ²/NDF: 122.7/119



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: 7984789.7/37

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

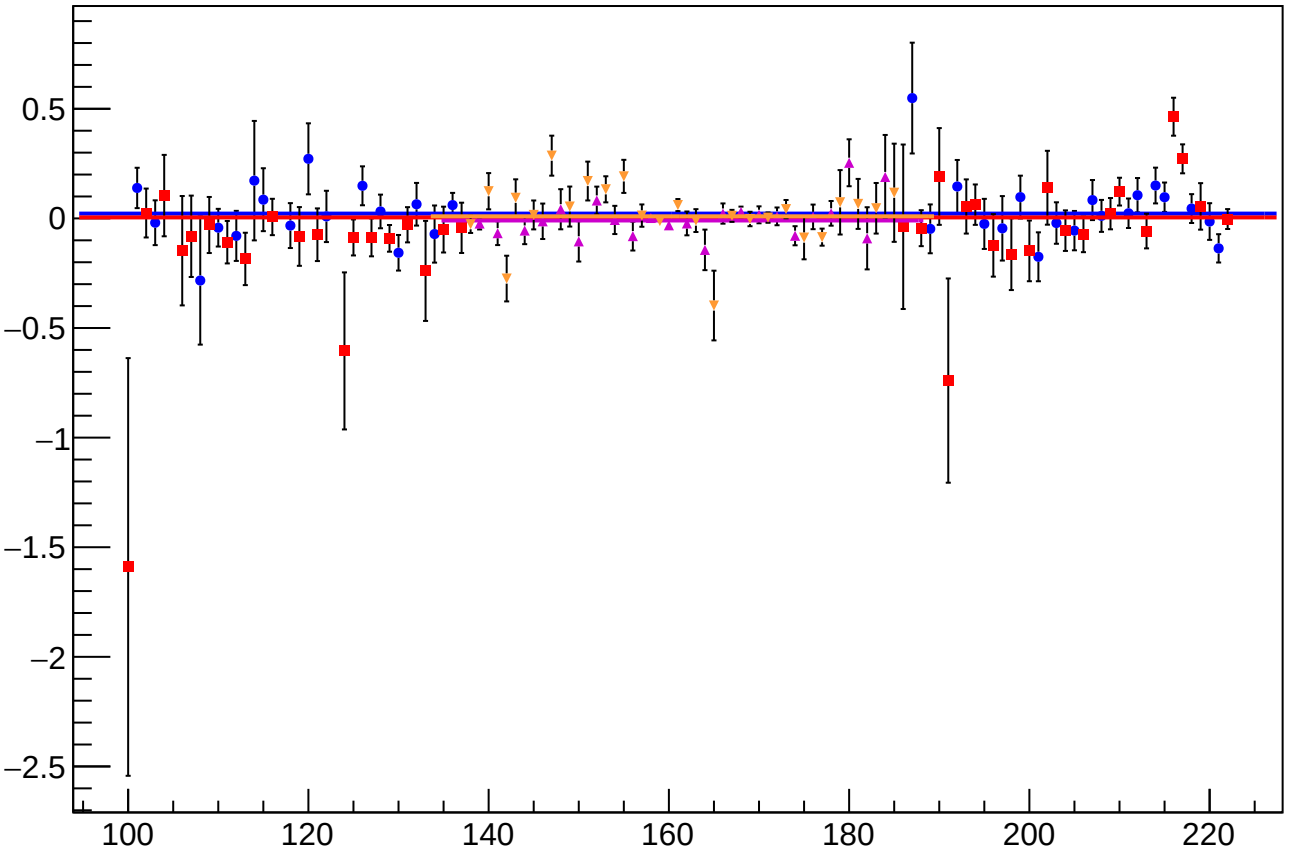
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14941024.9/71

In: 0.000+/-0.000 χ^2/NDF:17504164.0/56

Out: 0.000+/-0.000 χ^2/NDF:16787702.9/62

All: 0.000+/-0.000 χ^2/NDF: 34489693.4/119



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: 0.004+/-0.016 χ^2/NDF: 76.1/37

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

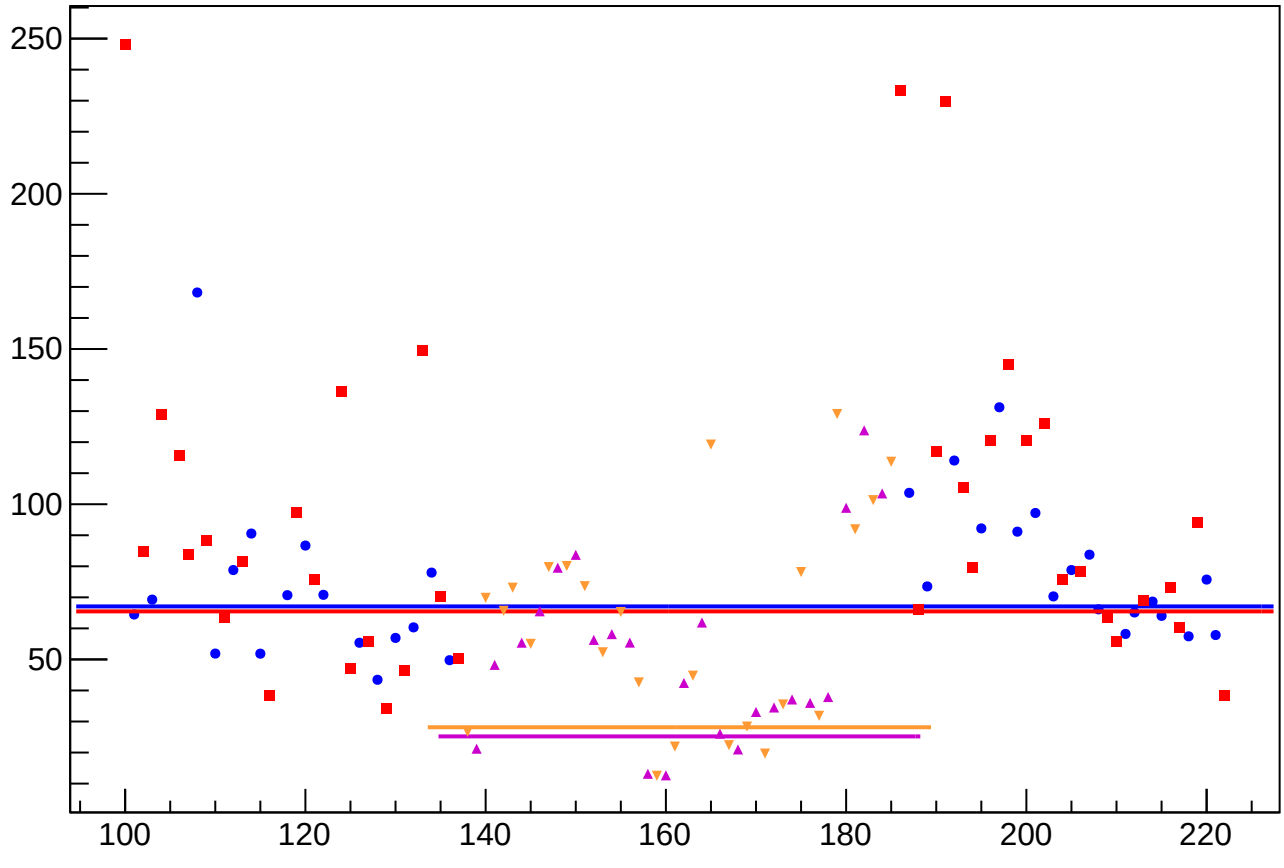
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.013+/-0.011 χ^2/NDF: 114.7/71

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.008+/-0.007 χ^2/NDF:130.8/62

All: 0.002+/-0.005 χ^2/NDF: 198.4/119



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: 65.478+/-0.011 χ^2/NDF: 5439050.9/37

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

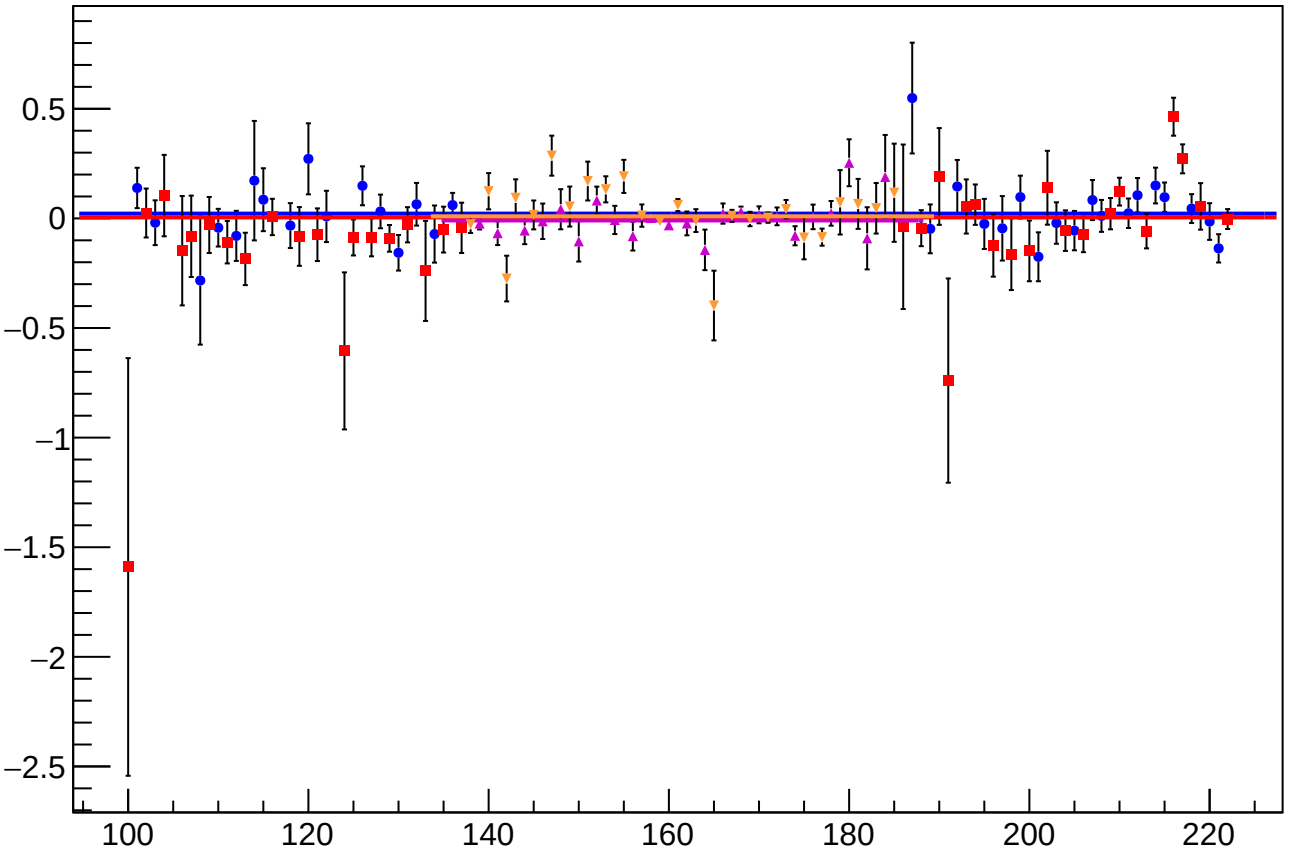
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 66.289+/-0.008 χ^2/NDF: 7662629.5/71

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.316+/-0.005 χ^2/NDF:25030370.5/62

All: 34.915+/-0.004 χ^2/NDF: 48616114.5/119



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: 0.004+/-0.016 χ^2/NDF: 76.1/37

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

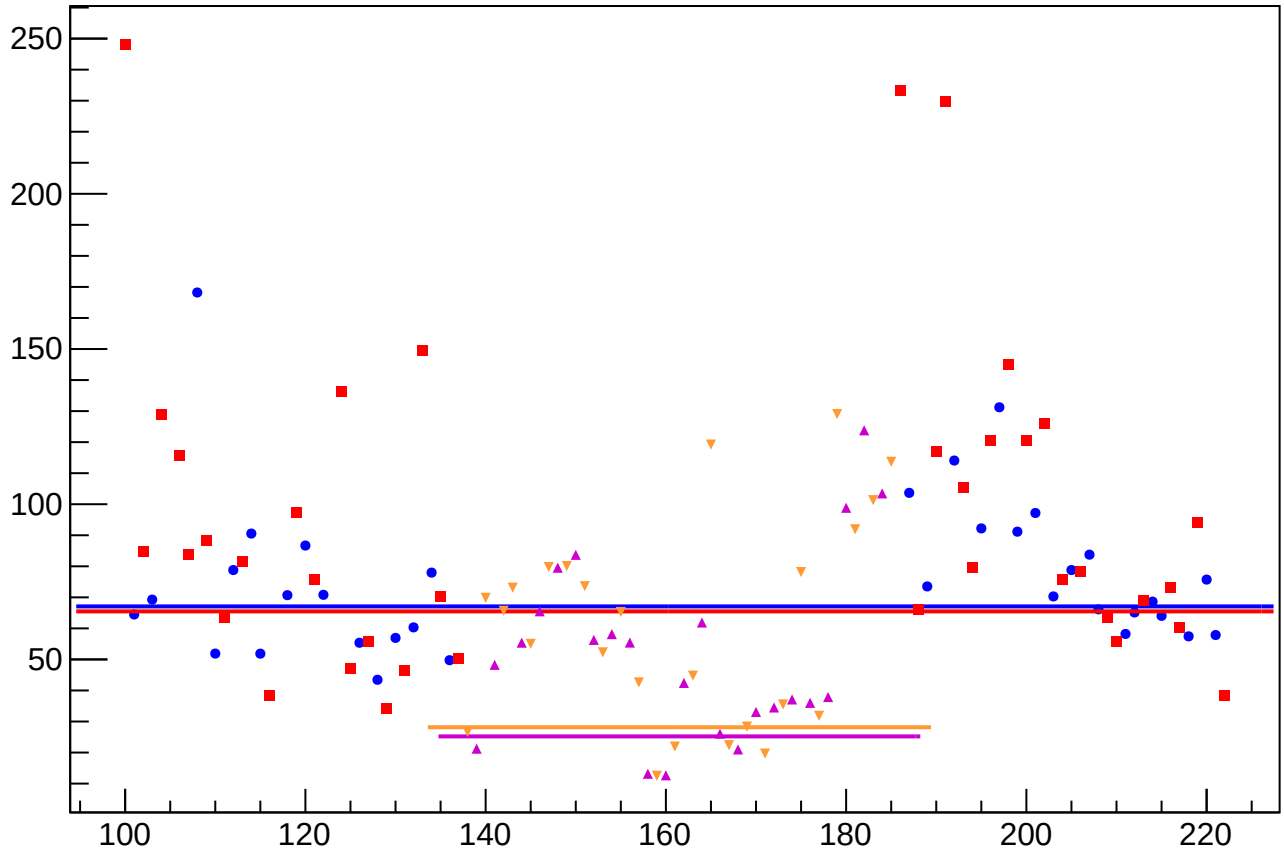
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.013+/-0.011 χ^2/NDF: 114.7/71

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.008+/-0.007 χ^2/NDF:130.8/62

All: 0.002+/-0.005 χ^2/NDF: 198.4/119



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: 65.478+/-0.011 χ^2/NDF: 5439050.9/37

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

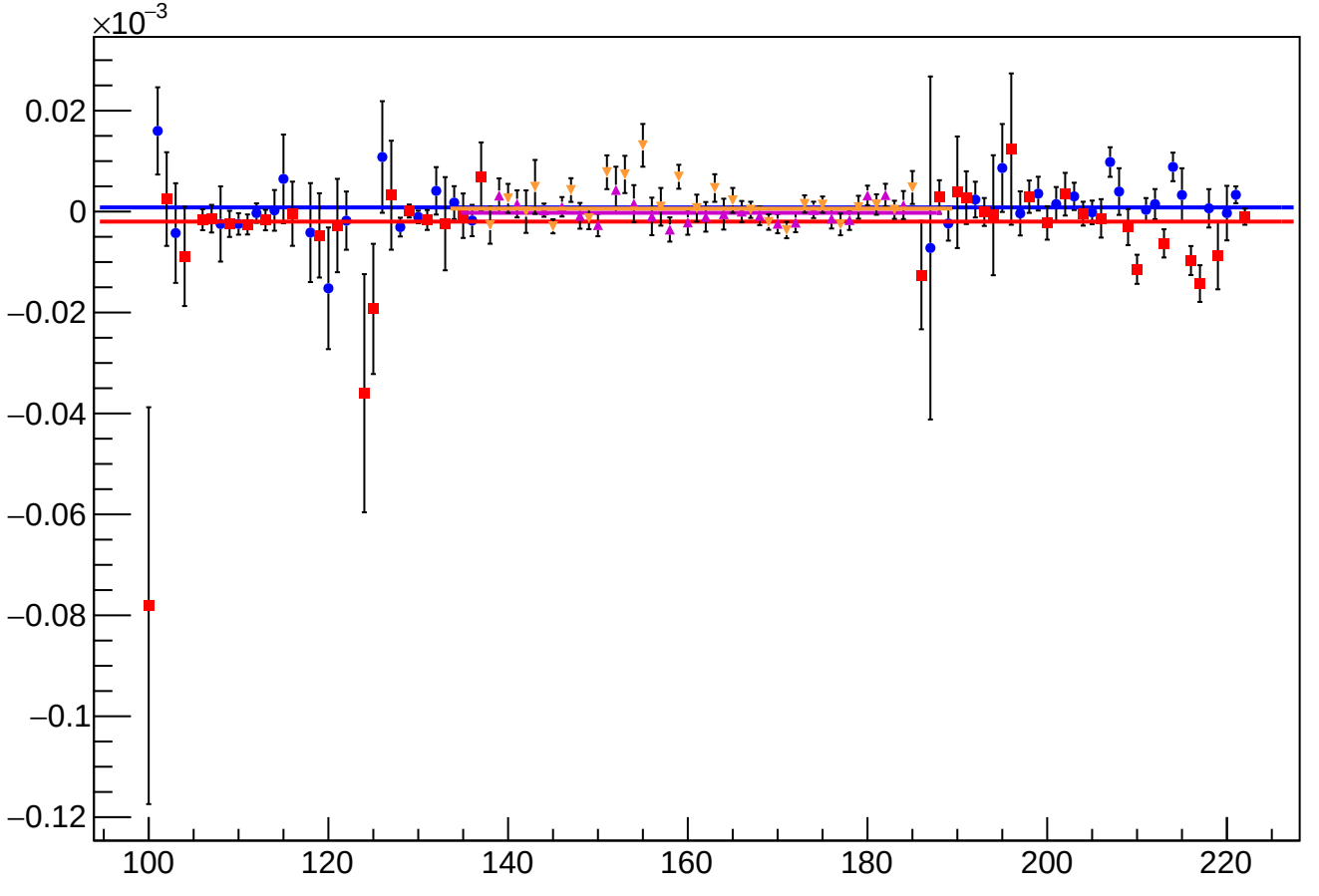
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 66.289+/-0.008 χ^2/NDF: 7662629.5/71

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.316+/-0.005 χ^2/NDF:25030370.5/62

All: 34.915+/-0.004 χ^2/NDF: 48616114.5/119



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: 56.8/37

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

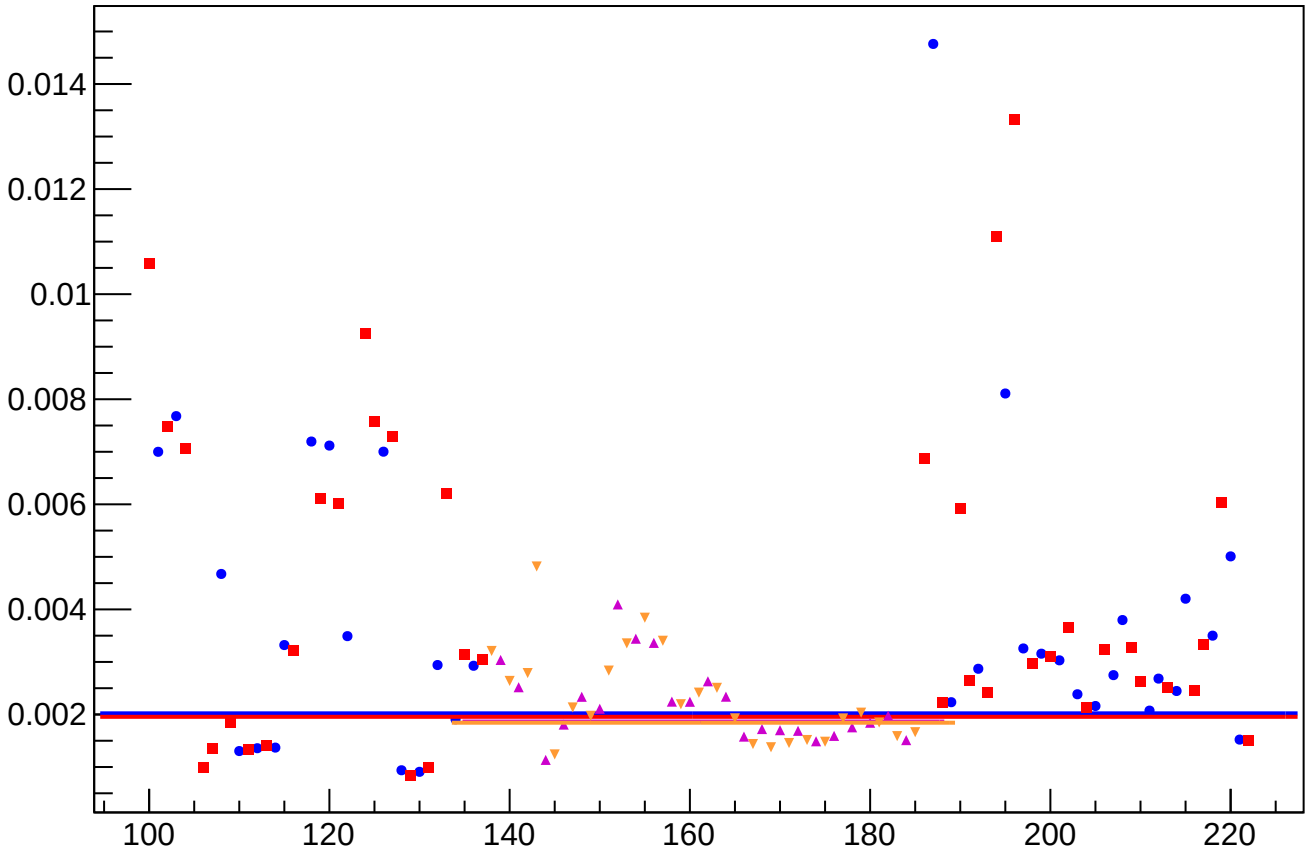
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 113.0/71

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: -0.000+/-0.000 χ^2/NDF:123.6/62

All: -0.000+/-0.000 χ^2/NDF: 186.3/119



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: 12713849.4/37

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

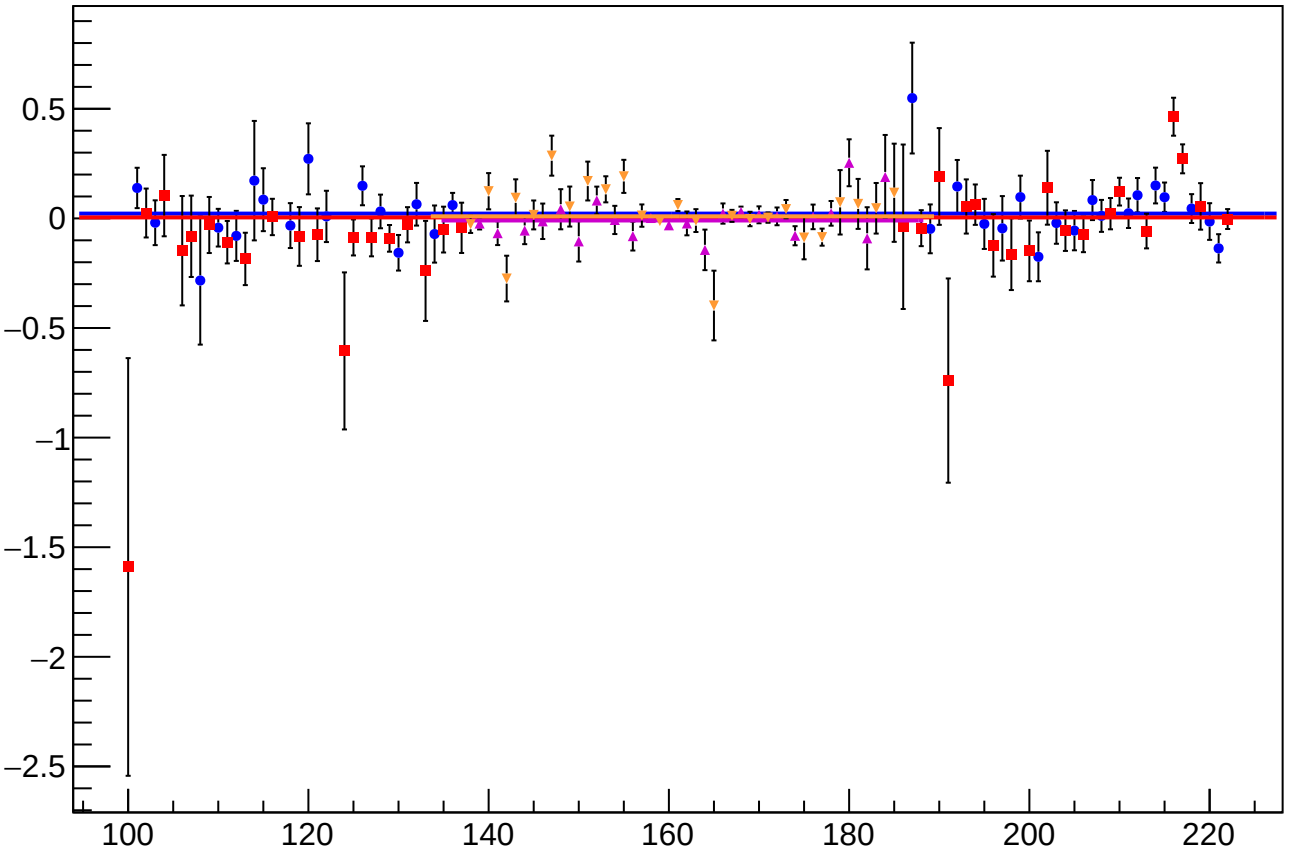
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 22808166.7/71

In: 0.002+/-0.000 χ^2/NDF:12973562.3/56

Out: 0.002+/-0.000 χ^2/NDF:16551357.7/62

All: 0.002+/-0.000 χ^2/NDF: 29540048.1/119



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: 0.004+/-0.016 χ^2/NDF: 76.1/37

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

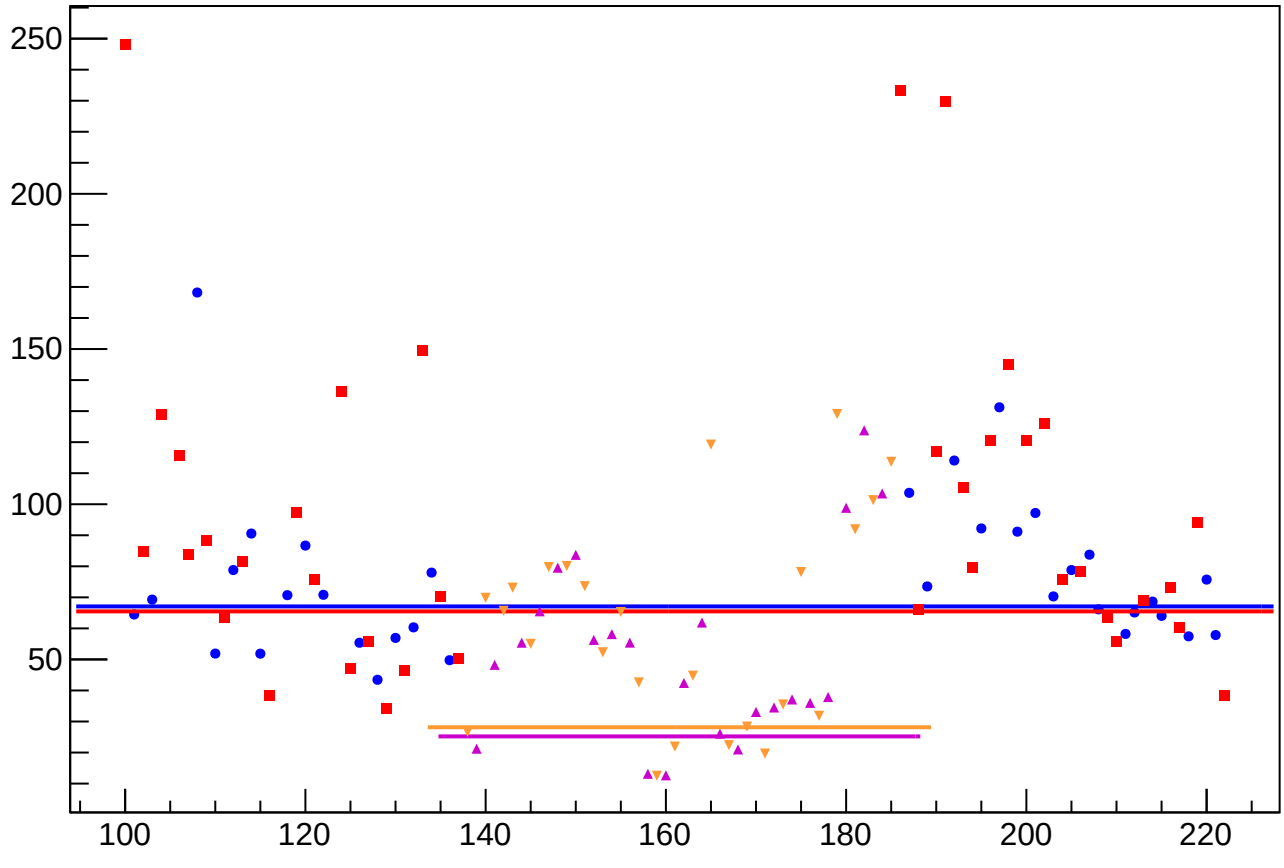
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.013+/-0.011 χ^2/NDF: 114.7/71

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.008+/-0.007 χ^2/NDF:130.8/62

All: 0.002+/-0.005 χ^2/NDF: 198.4/119



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: 65.479+/-0.011 χ^2/NDF: 5439095.2/37

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

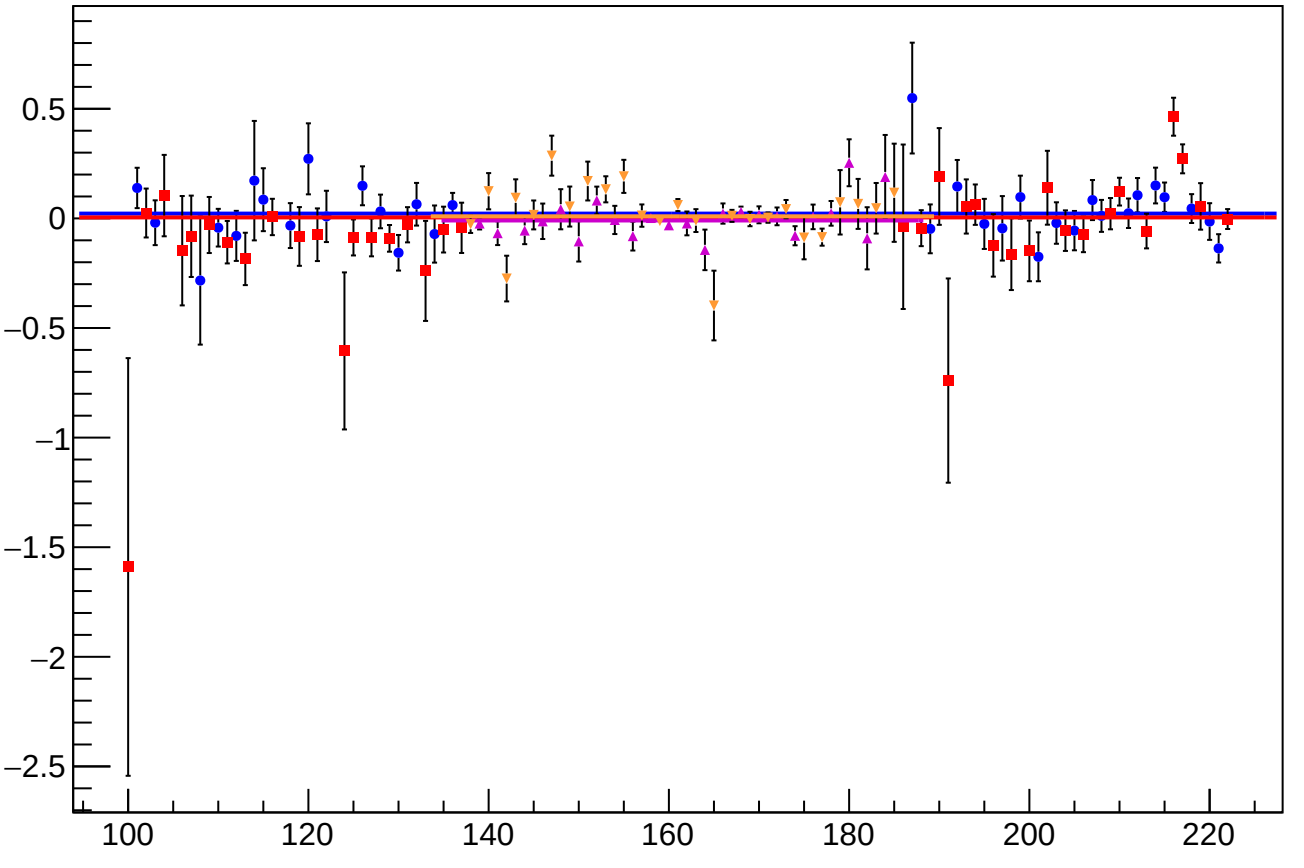
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 66.290+/-0.008 χ^2/NDF: 7662669.8/71

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.314+/-0.005 χ^2/NDF:25032310.9/62

All: 34.915+/-0.004 χ^2/NDF: 48618759.0/119



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: 0.004+/-0.016 χ^2/NDF: 76.1/37

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

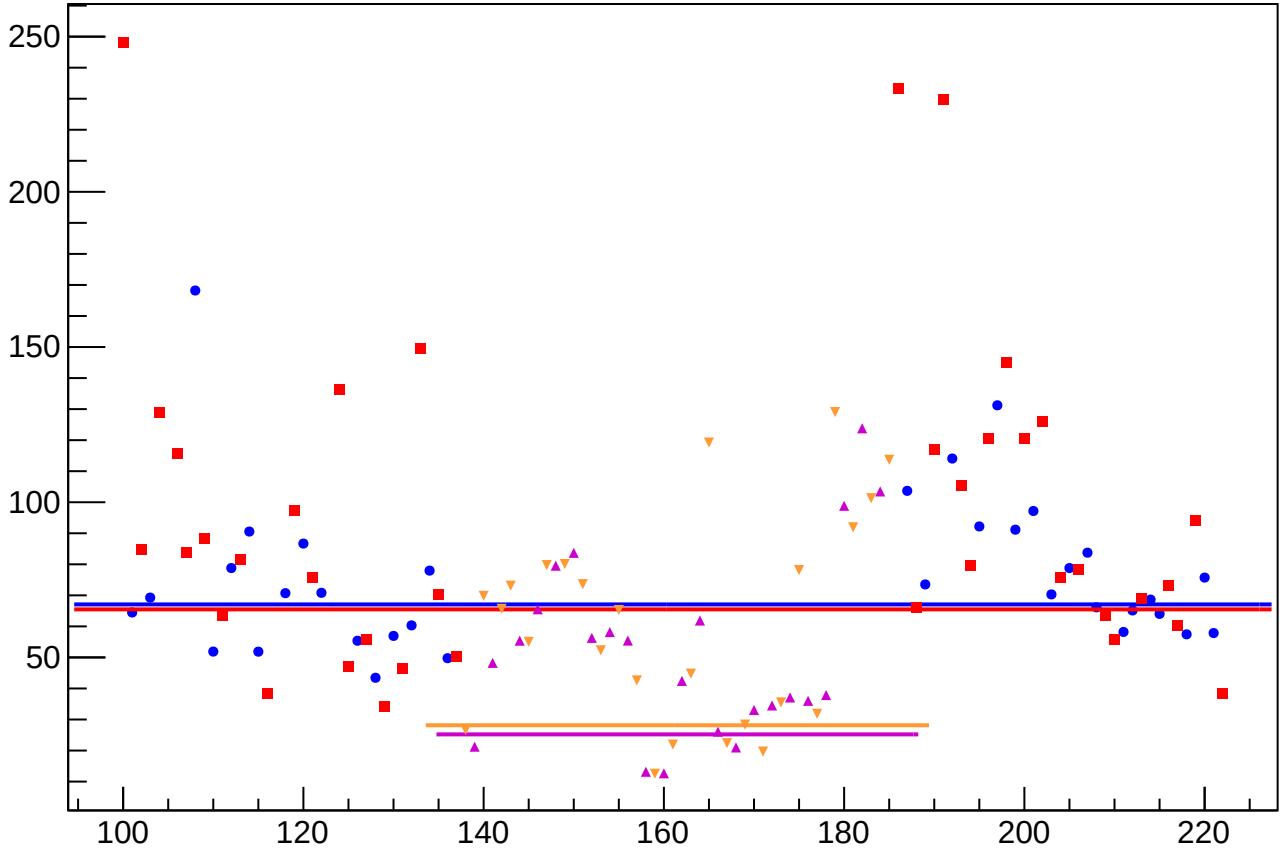
Right: 0.013+/-0.011 χ^2/NDF: 114.7/71

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.008+/-0.007 χ^2/NDF:130.8/62

All: 0.002+/-0.005 χ^2/NDF: 198.4/119

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: 65.479+/-0.011 χ^2/NDF: 5439095.2/37

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

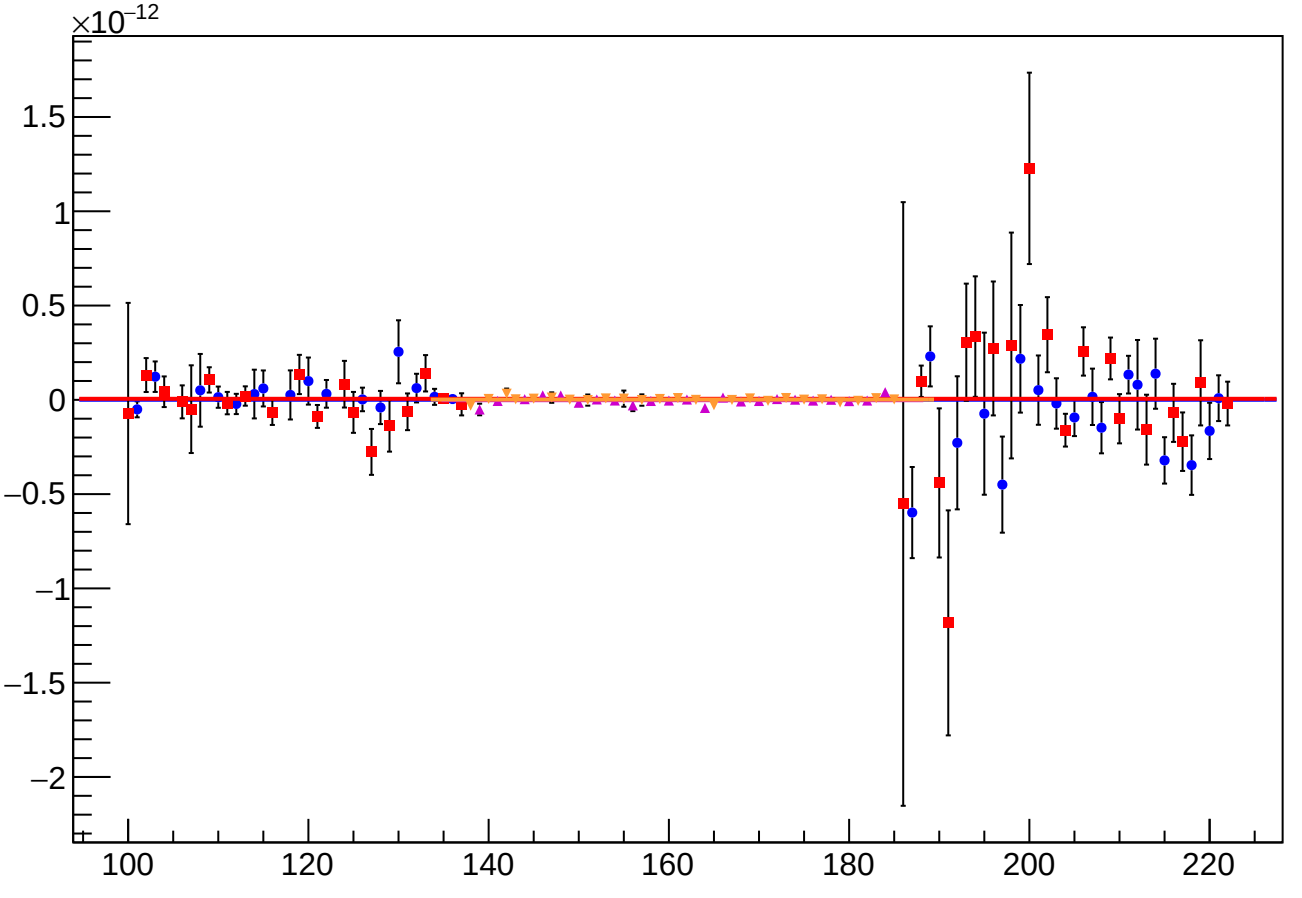
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 66.290+/-0.008 χ^2/NDF: 7662669.8/71

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.314+/-0.005 χ^2/NDF:25032310.9/62

All: 34.915+/-0.004 χ^2/NDF: 48618759.0/119



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: 53.1/37

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

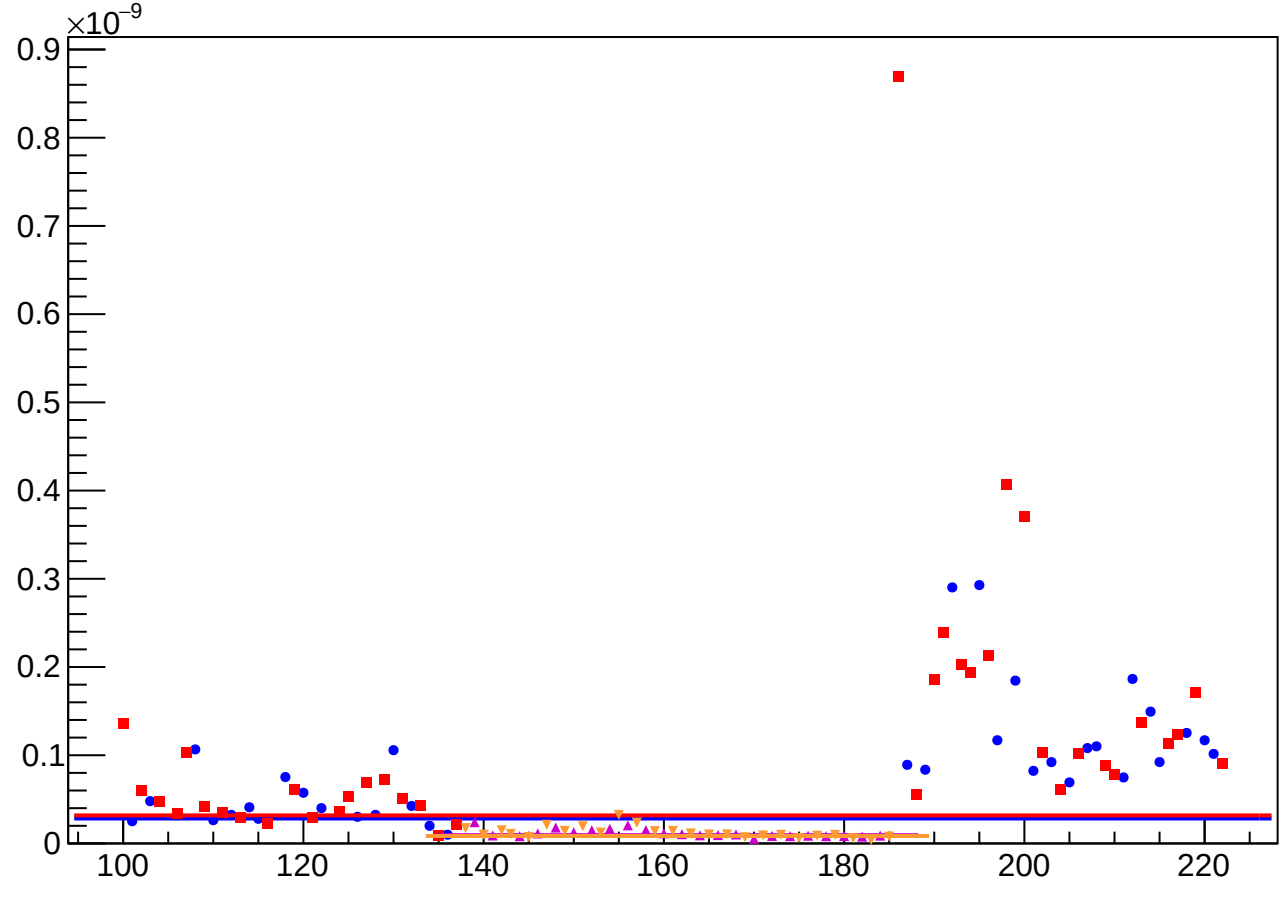
Right: 0.000+/-0.000 χ^2/NDF: 91.8/71

In: -0.000+/-0.000 χ^2/NDF:59.5/56

Out: 0.000+/-0.000 χ^2/NDF:64.4/62

All: 0.000+/-0.000 χ^2/NDF: 124.6/119

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: 13968352.7/37

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

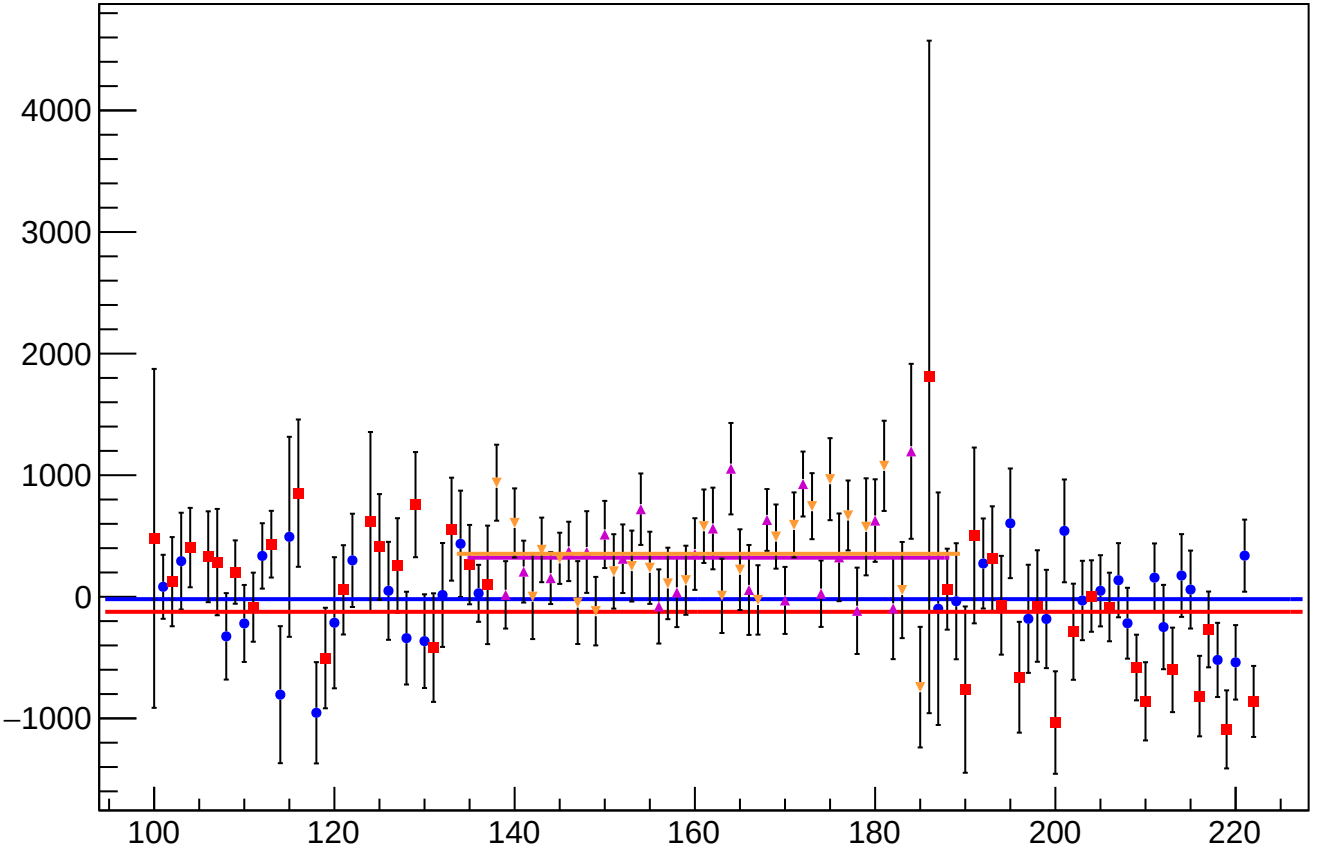
Right: 0.000+/-0.000 χ^2/NDF: 28325942.7/71

In: 0.000+/-0.000 χ^2/NDF:21464758.3/56

Out: 0.000+/-0.000 χ^2/NDF:24789350.8/62

All: 0.000+/-0.000 χ^2/NDF: 46397129.5/119

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: -123.601+/-60.599 χ^2/NDF: 67.2/37

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

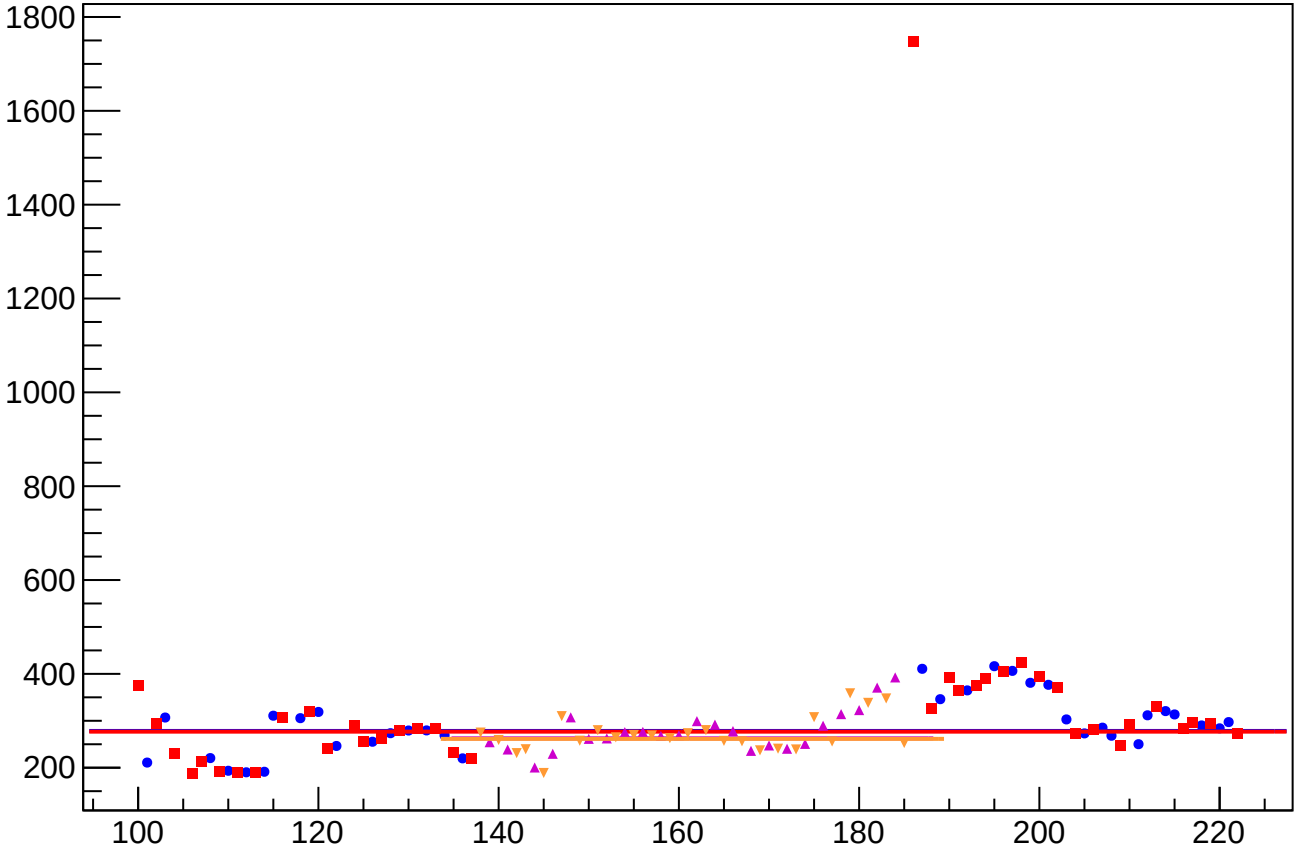
Right: -71.502+/-42.866 χ^2/NDF: 96.8/71

In: 147.012+/-43.392 χ^2/NDF:69.8/56

Out: 116.789+/-42.690 χ^2/NDF:130.8/62

All: 131.654+/-30.431 χ^2/NDF: 200.8/119

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: 276.880+/-0.043 χ^2/NDF: 2616826.3/37

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

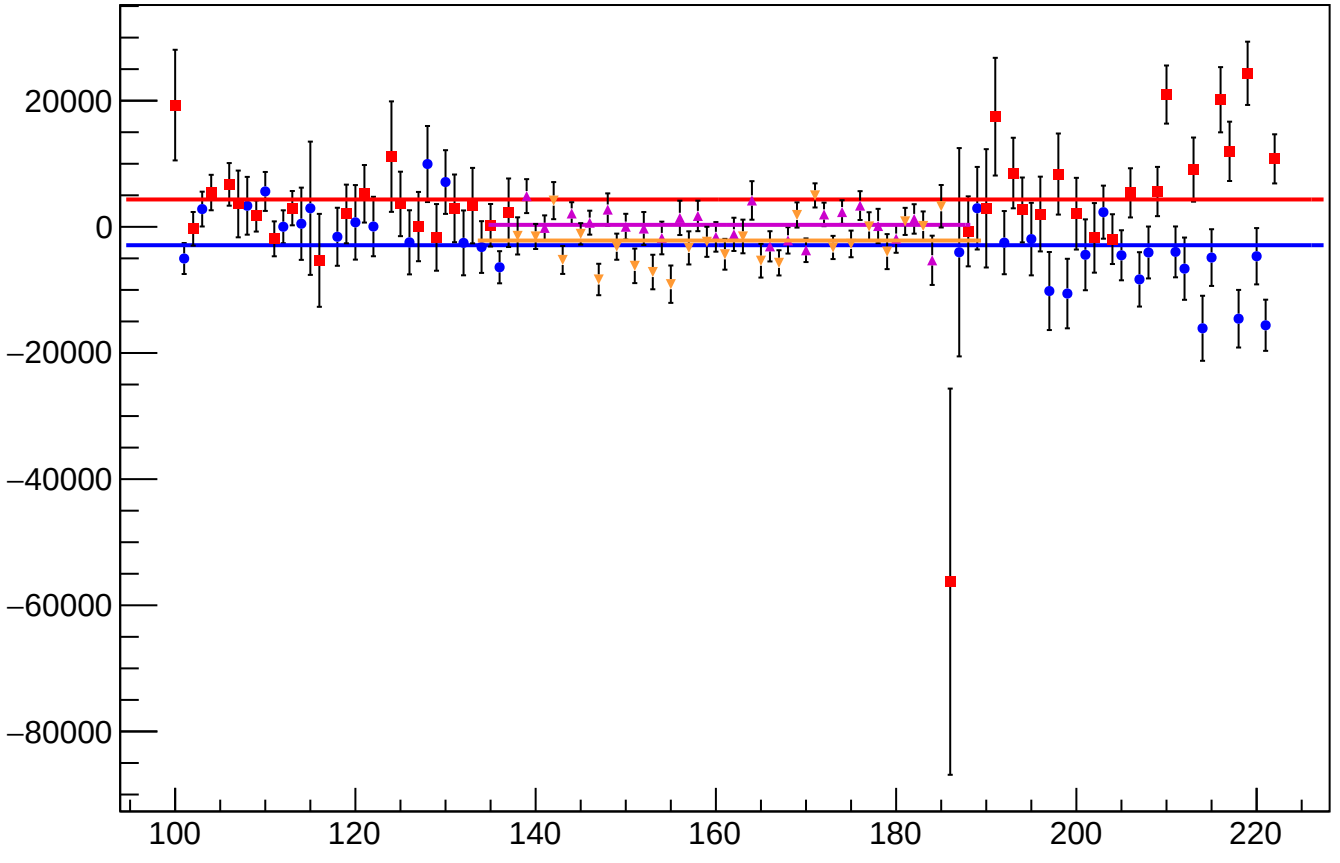
Right: 277.601+/-0.030 χ^2/NDF: 4285614.5/71

In: 270.658+/-0.031 χ^2/NDF:2404351.0/56

Out: 269.117+/-0.030 χ^2/NDF:3397445.3/62

All: 269.875+/-0.022 χ^2/NDF: 5803077.3/119

asym_sam4_reg_correction_mean vs Slug, Sign Corrected



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: 4338.777+/-713.727 χ^2/NDF: 75.9/37

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

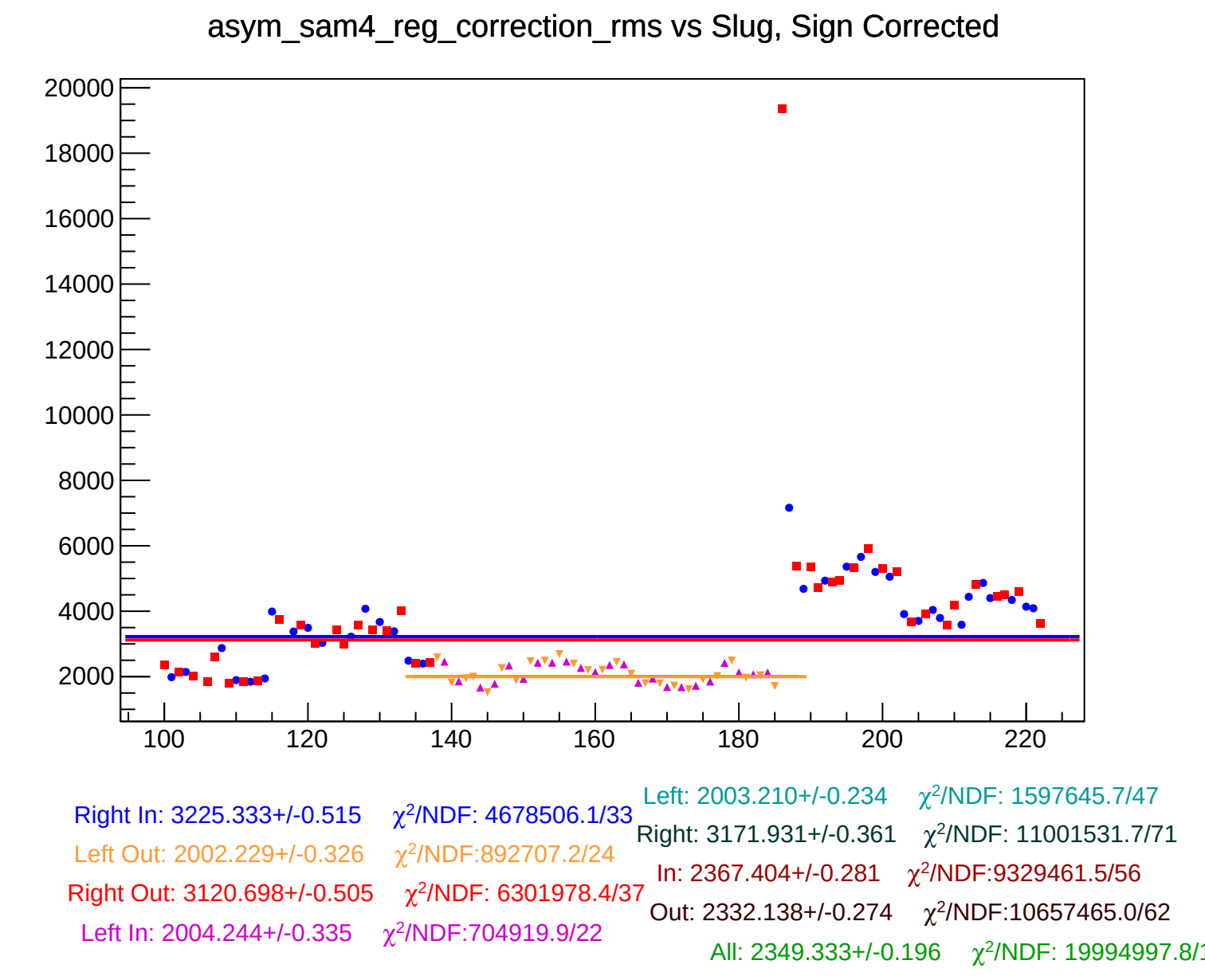
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 787.721+/-509.884 χ^2/NDF: 185.6/71

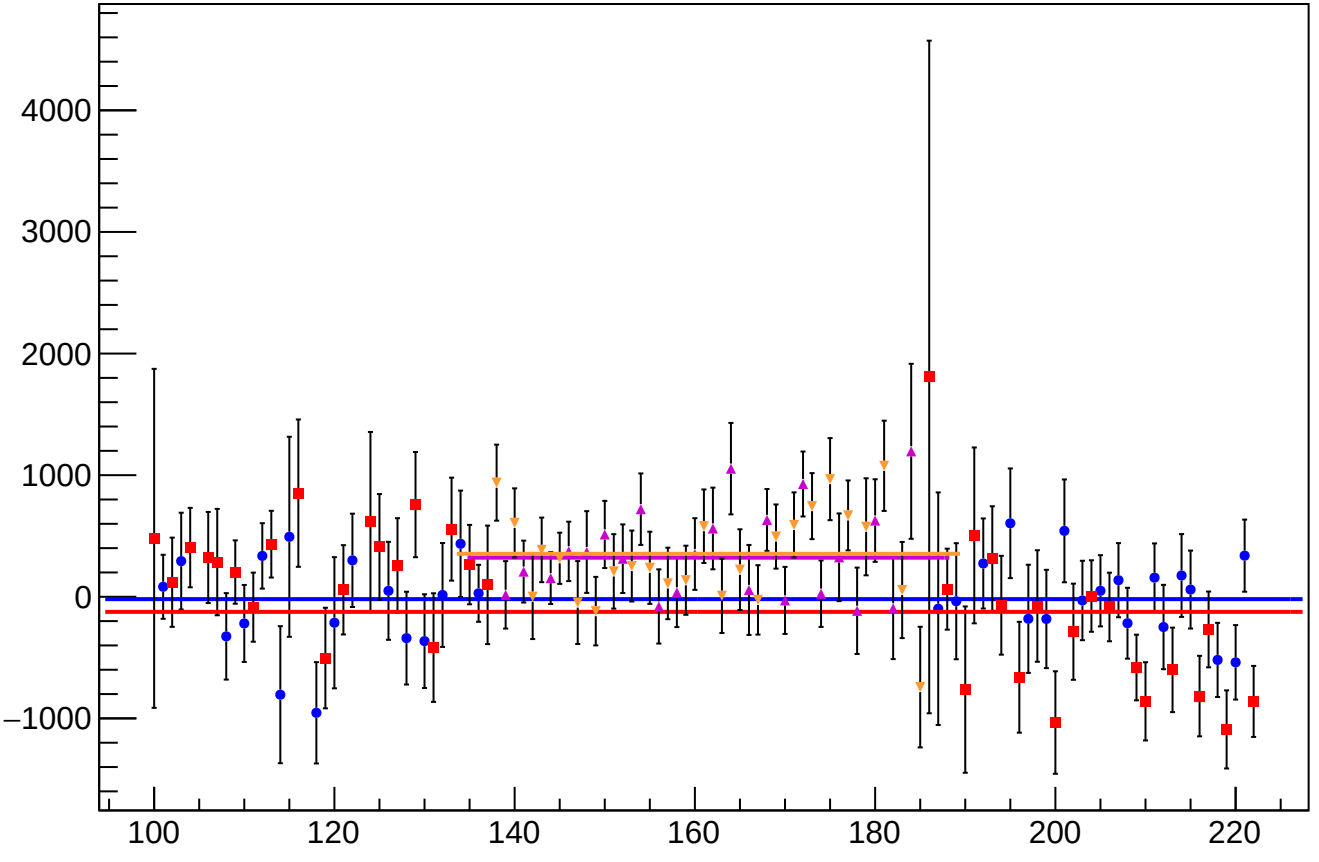
In: -646.105+/-397.383 χ^2/NDF:96.5/56

Out: -251.437+/-387.630 χ^2/NDF:190.1/62

All: -443.868+/-277.480 χ^2/NDF: 287.1/119


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 3225.333+/-0.515 χ²/NDF: 4678506.1/33
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 3120.698+/-0.505 χ²/NDF: 6301978.4/37
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 3171.931+/-0.361 χ²/NDF: 11001531.7/71
In: 2367.404+/-0.281 χ²/NDF:9329461.5/56
Out: 2332.138+/-0.274 χ²/NDF:10657465.0/62
All: 2349.333+/-0.196 χ²/NDF: 19994997.8/1

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: -123.947+/-60.604 χ^2/NDF: 67.2/37

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

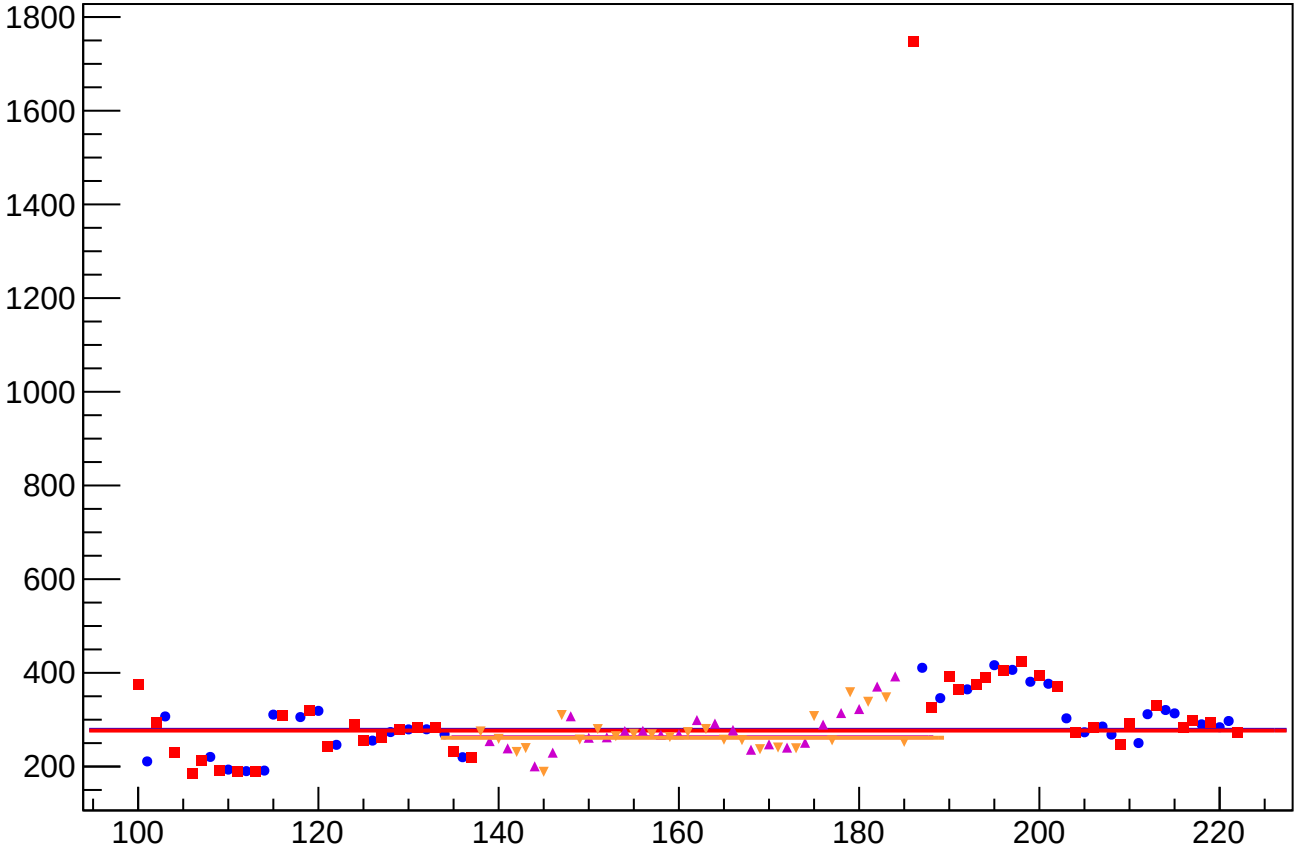
Right: -71.677+/-42.868 χ^2/NDF: 96.8/71

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 116.646+/-42.692 χ^2/NDF:130.8/62

All: 131.581+/-30.432 χ^2/NDF: 200.8/119

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: 276.829+/-0.043 χ^2/NDF: 2622855.8/37

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

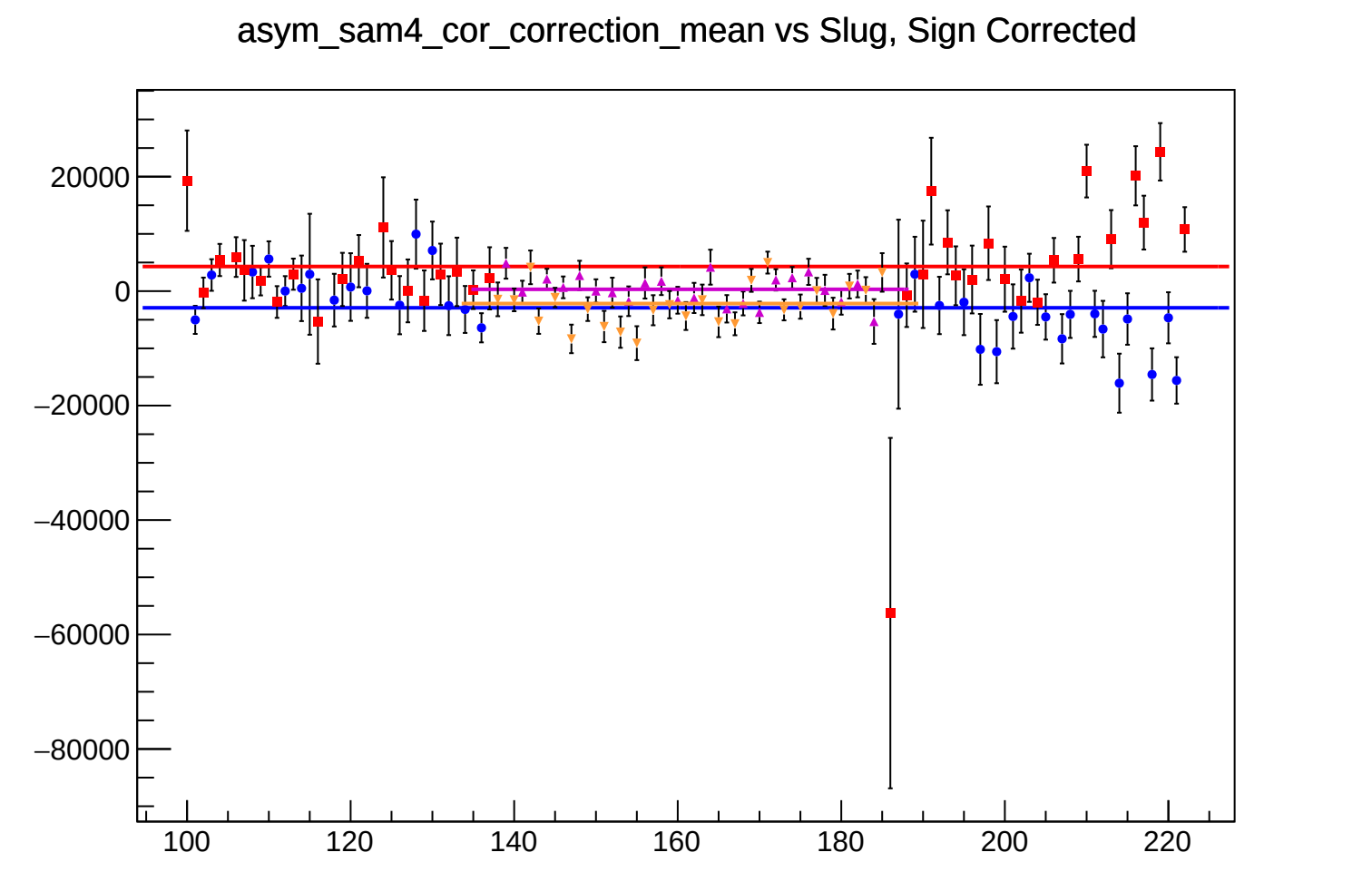
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.576+/-0.030 χ^2/NDF: 4291686.4/71

In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.091+/-0.030 χ^2/NDF:3403034.5/62

All: 269.862+/-0.022 χ^2/NDF: 5808712.0/119



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: 4301.139+/-714.586 χ^2/NDF: 75.6/37

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

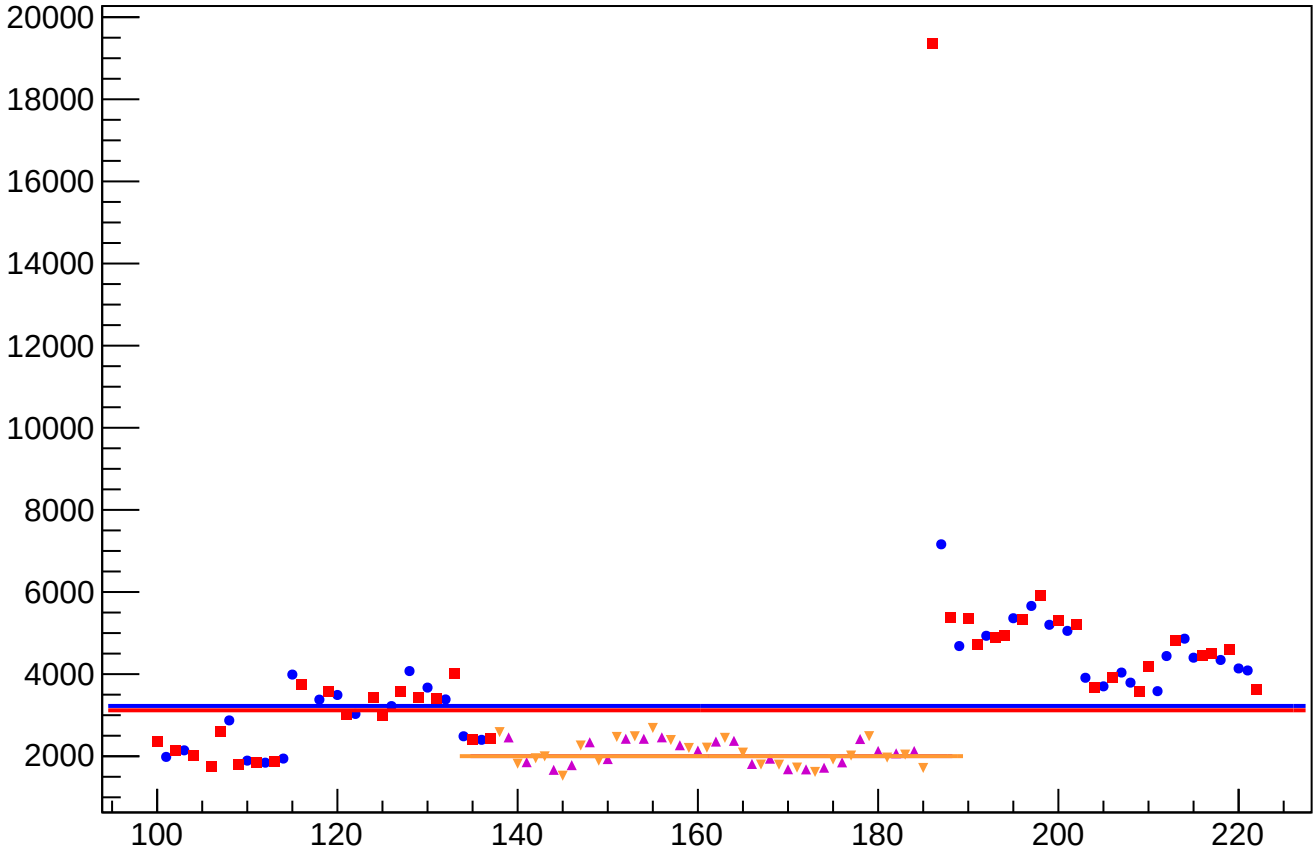
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 764.133+/-510.198 χ^2/NDF: 184.7/71

In: -646.130+/-397.384 χ^2/NDF:96.5/56

Out: -265.756+/-387.767 χ^2/NDF:189.0/62

All: -451.285+/-277.530 χ^2/NDF: 286.0/119



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: 3119.065+/-0.505 χ^2/NDF: 6335513.7/37

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

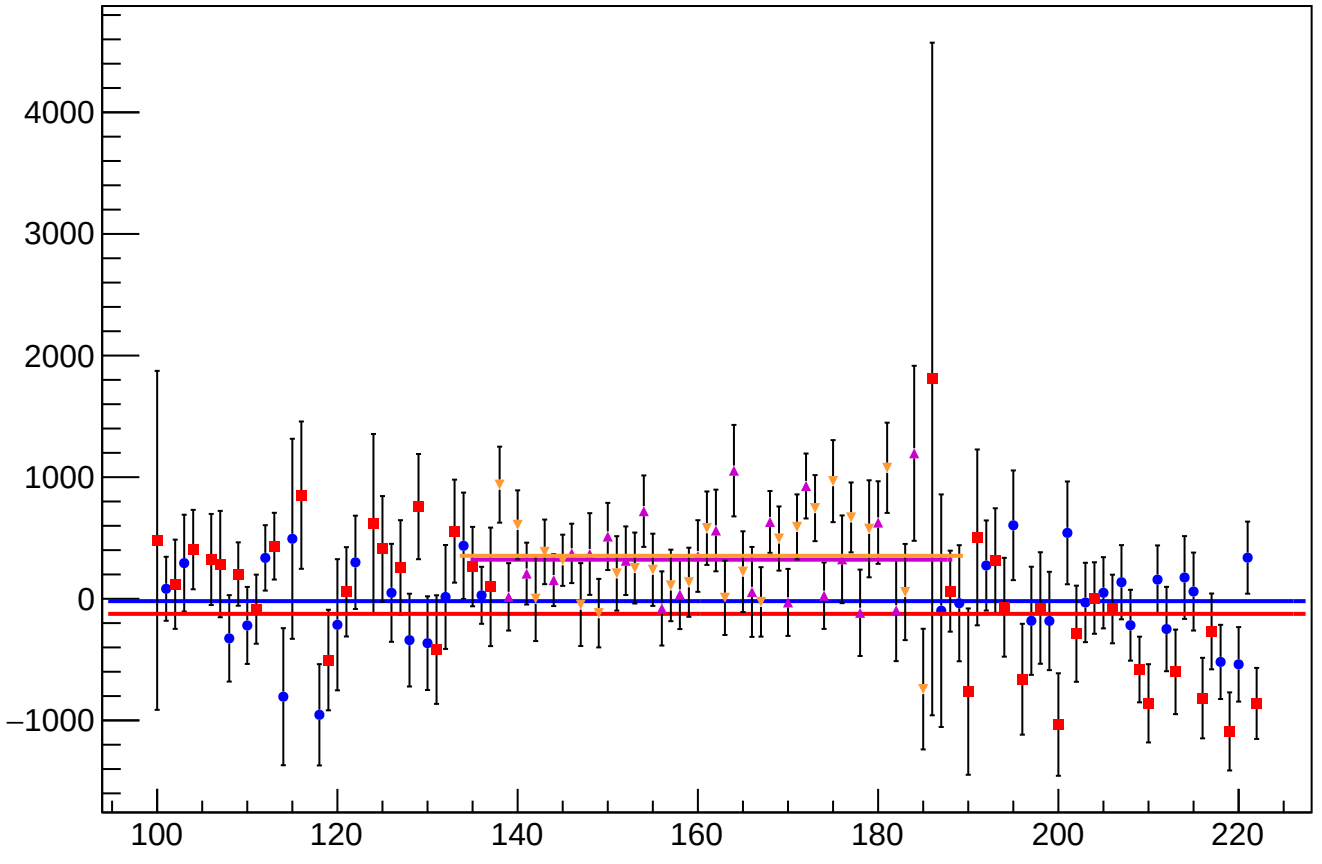
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3171.173+/-0.361 χ^2/NDF: 11035576.3/71

In: 2367.408+/-0.281 χ^2/NDF:9329439.8/56

Out: 2331.098+/-0.274 χ^2/NDF:10675040.8/62

All: 2348.808+/-0.196 χ^2/NDF: 20013034.1/1



Right In: -19.338+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -123.947+/-60.604 χ^2/NDF: 67.2/37

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

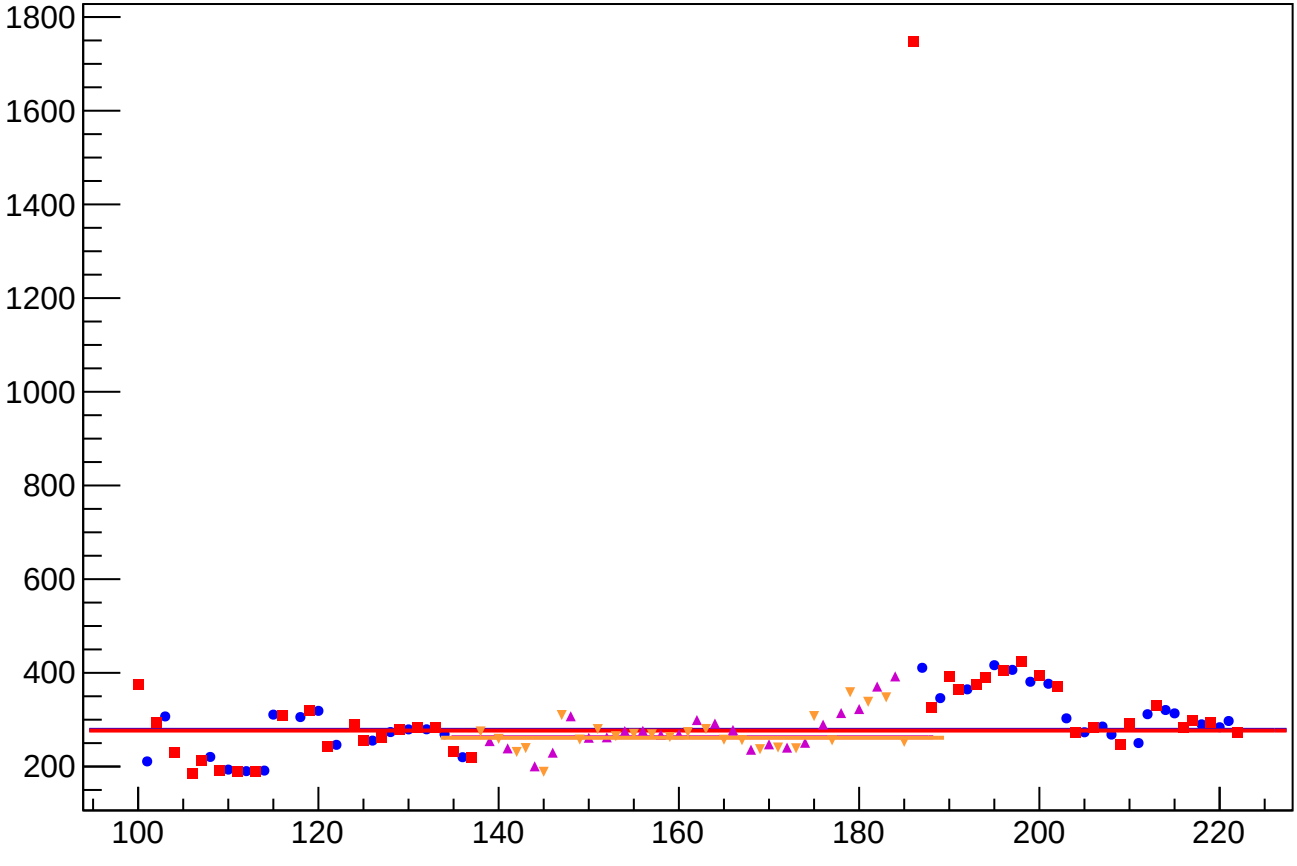
Right: -71.677+/-42.868 χ^2/NDF: 96.8/71

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 116.646+/-42.692 χ^2/NDF:130.8/62

All: 131.581+/-30.432 χ^2/NDF: 200.8/119

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: 276.829+/-0.043 χ^2/NDF: 2622855.8/37

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

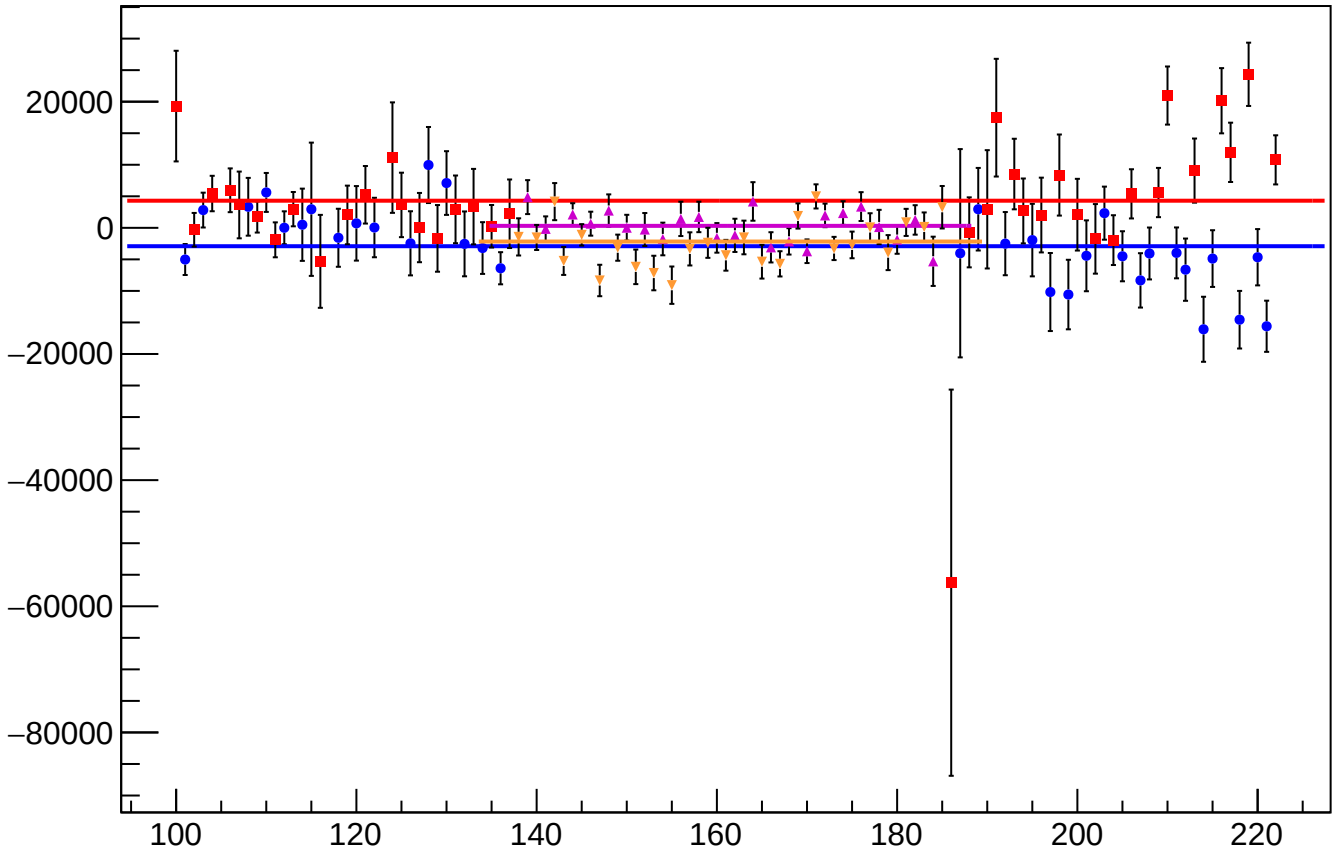
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.576+/-0.030 χ^2/NDF: 4291686.4/71

In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.091+/-0.030 χ^2/NDF:3403034.5/62

All: 269.862+/-0.022 χ^2/NDF: 5808712.0/119



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: 4301.139+/-714.586 χ^2/NDF: 75.6/37

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

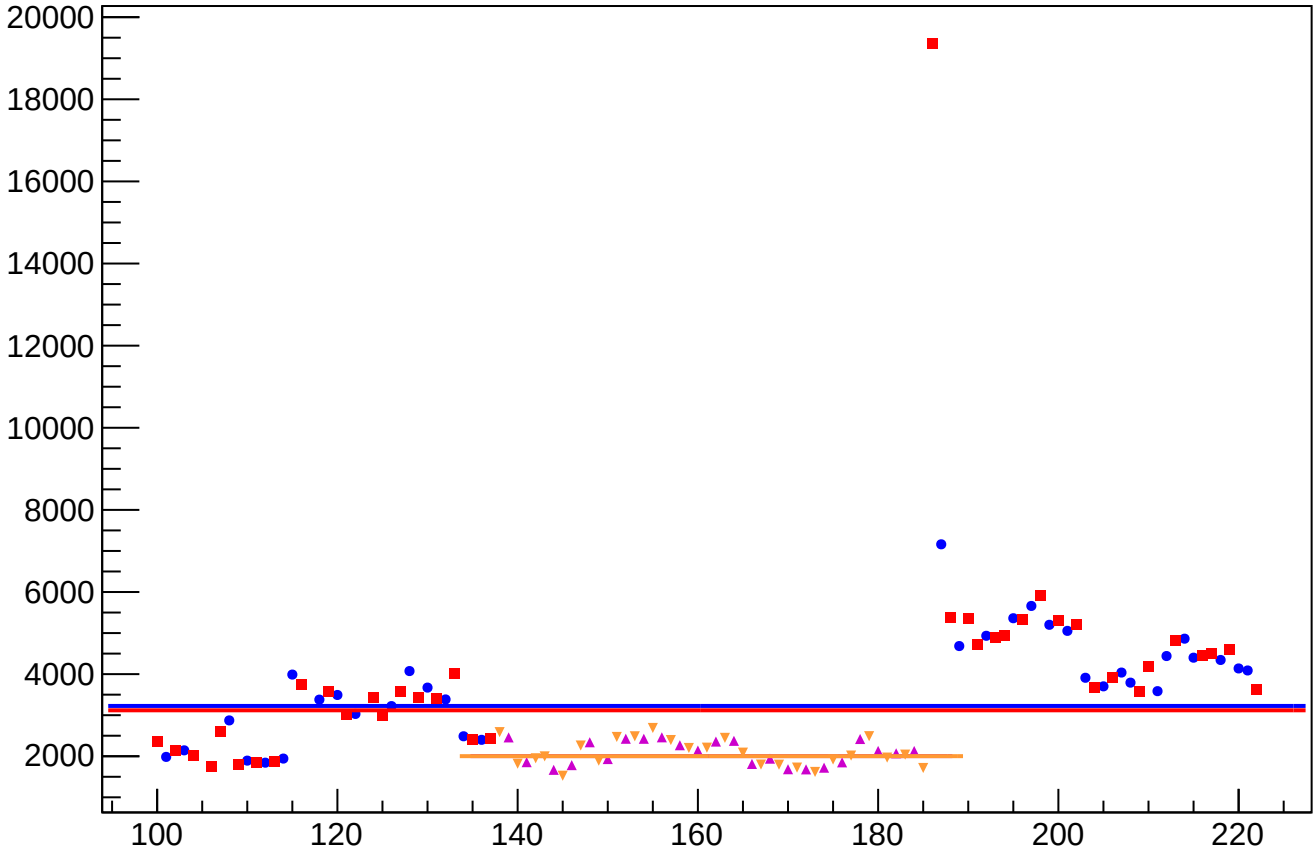
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 764.133+/-510.198 χ^2/NDF: 184.7/71

In: -646.130+/-397.384 χ^2/NDF:96.5/56

Out: -265.756+/-387.767 χ^2/NDF:189.0/62

All: -451.285+/-277.530 χ^2/NDF: 286.0/119



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: 3119.065+/-0.505 χ^2/NDF: 6335513.7/37

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

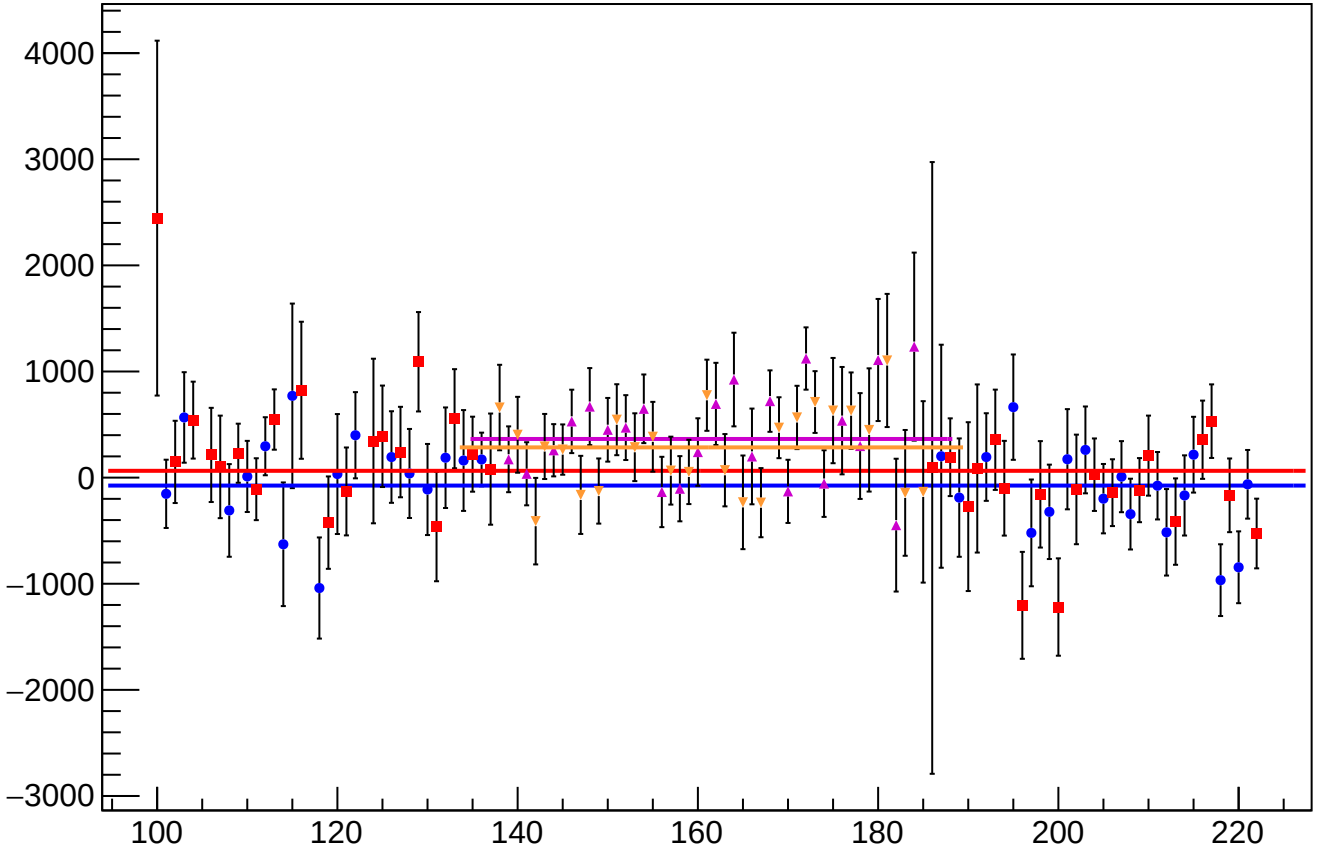
Right: 3171.173+/-0.361 χ^2/NDF: 11035576.3/71

In: 2367.408+/-0.281 χ^2/NDF:9329439.8/56

Out: 2331.098+/-0.274 χ^2/NDF:10675040.8/62

All: 2348.808+/-0.196 χ^2/NDF: 20013034.1/1

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: 64.102+/-66.926 χ^2/NDF: 42.1/37

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

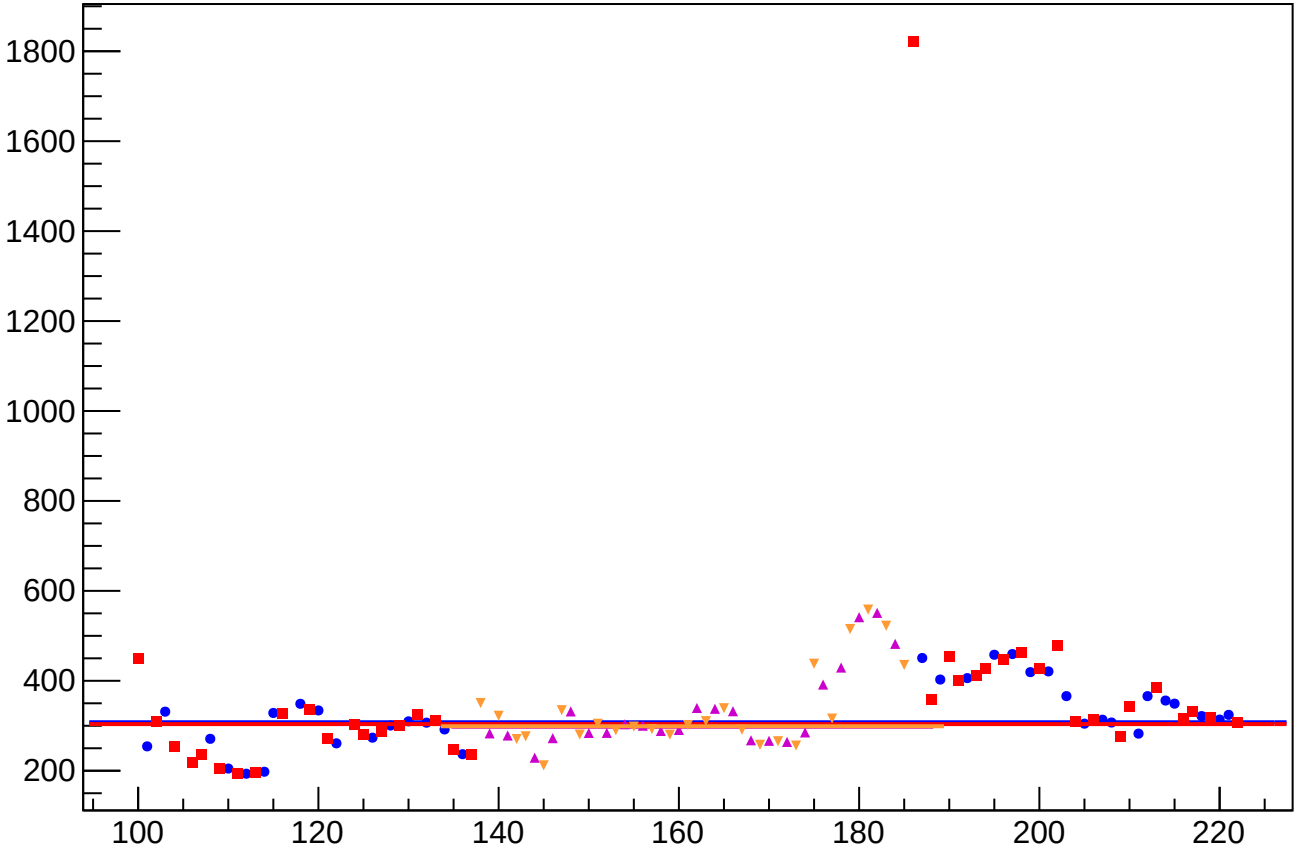
Right: -4.956+/-47.490 χ^2/NDF: 77.7/71

In: 130.976+/-49.113 χ^2/NDF:81.6/56

Out: 169.496+/-48.386 χ^2/NDF:70.1/62

All: 150.523+/-34.468 χ^2/NDF: 152.0/119

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: 303.713+/-0.047 χ^2/NDF: 2955673.3/37

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

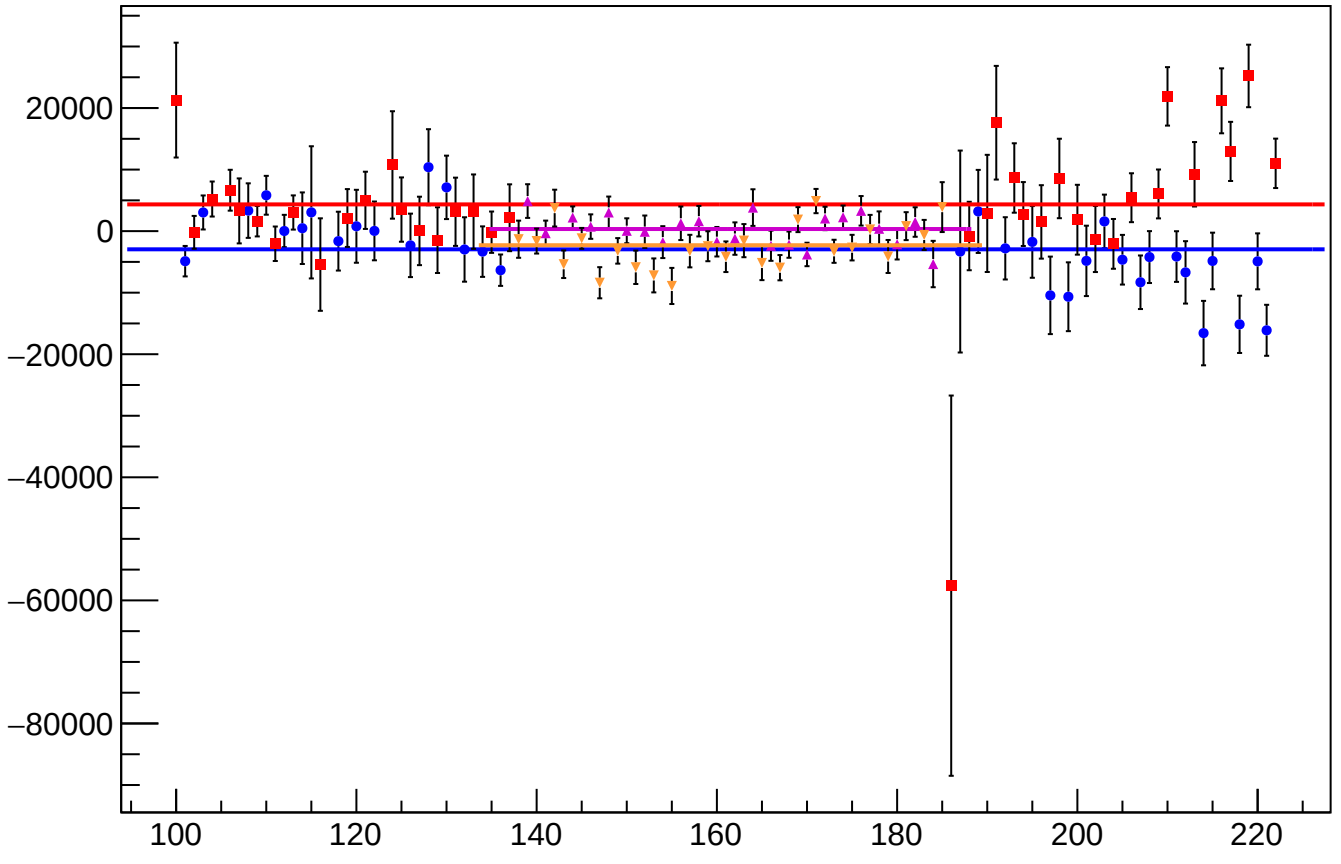
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 305.751+/-0.034 χ^2/NDF: 4841949.2/71

In: 303.159+/-0.035 χ^2/NDF:3221973.2/56

Out: 301.434+/-0.034 χ^2/NDF:4573610.5/62

All: 302.284+/-0.024 χ^2/NDF: 7796835.6/119



Right In: -2955.850+/-738.036 χ^2/NDF: 60.0/33

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 4343.574+/-721.171 χ^2/NDF: 79.7/37

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

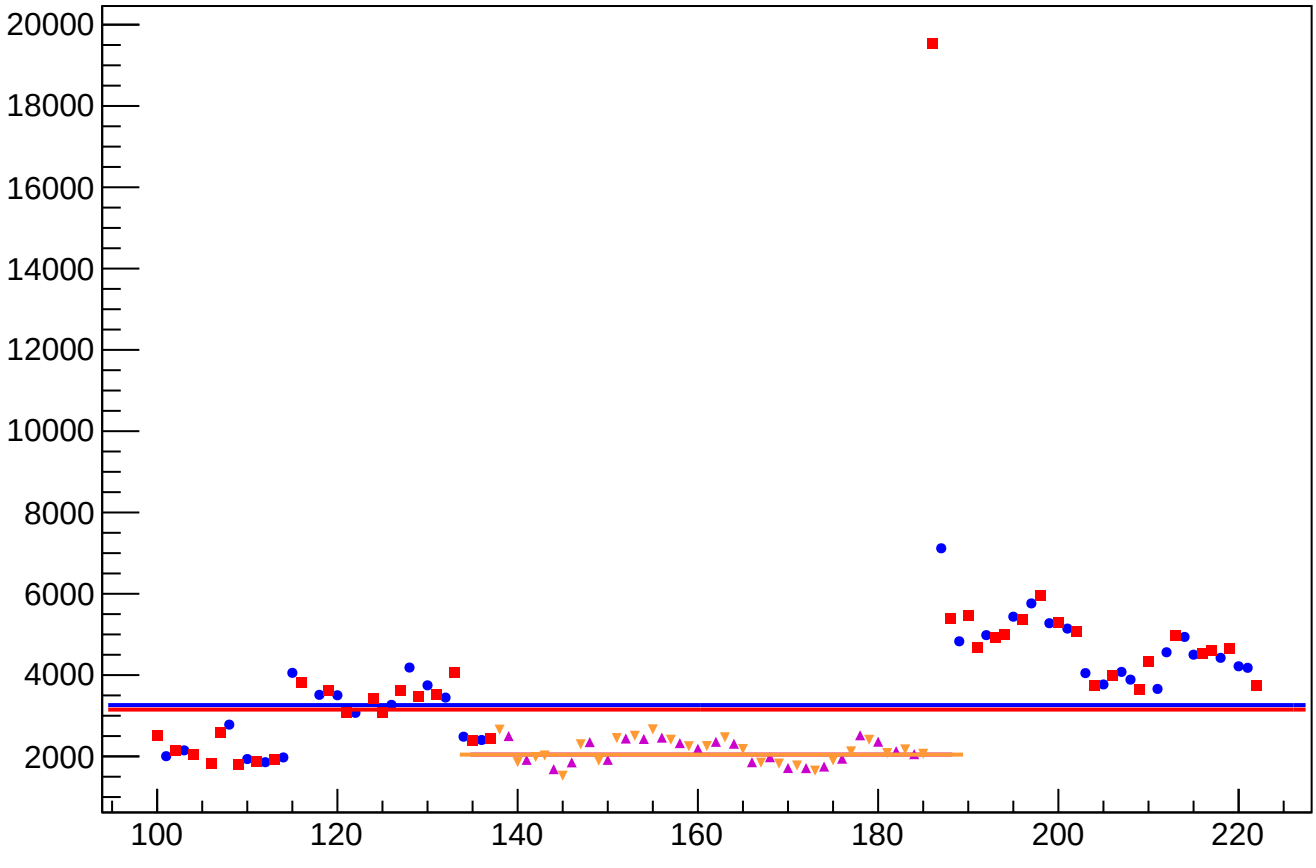
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 778.214+/-515.804 χ^2/NDF: 189.8/71

In: -648.211+/-404.501 χ^2/NDF:96.8/56

Out: -310.066+/-394.063 χ^2/NDF:190.8/62

All: -474.720+/-282.263 χ^2/NDF: 287.9/119



Right In: 3262.103+/-0.522 χ^2/NDF: 4818828.8/33

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3151.140+/-0.510 χ^2/NDF: 6368966.4/37

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

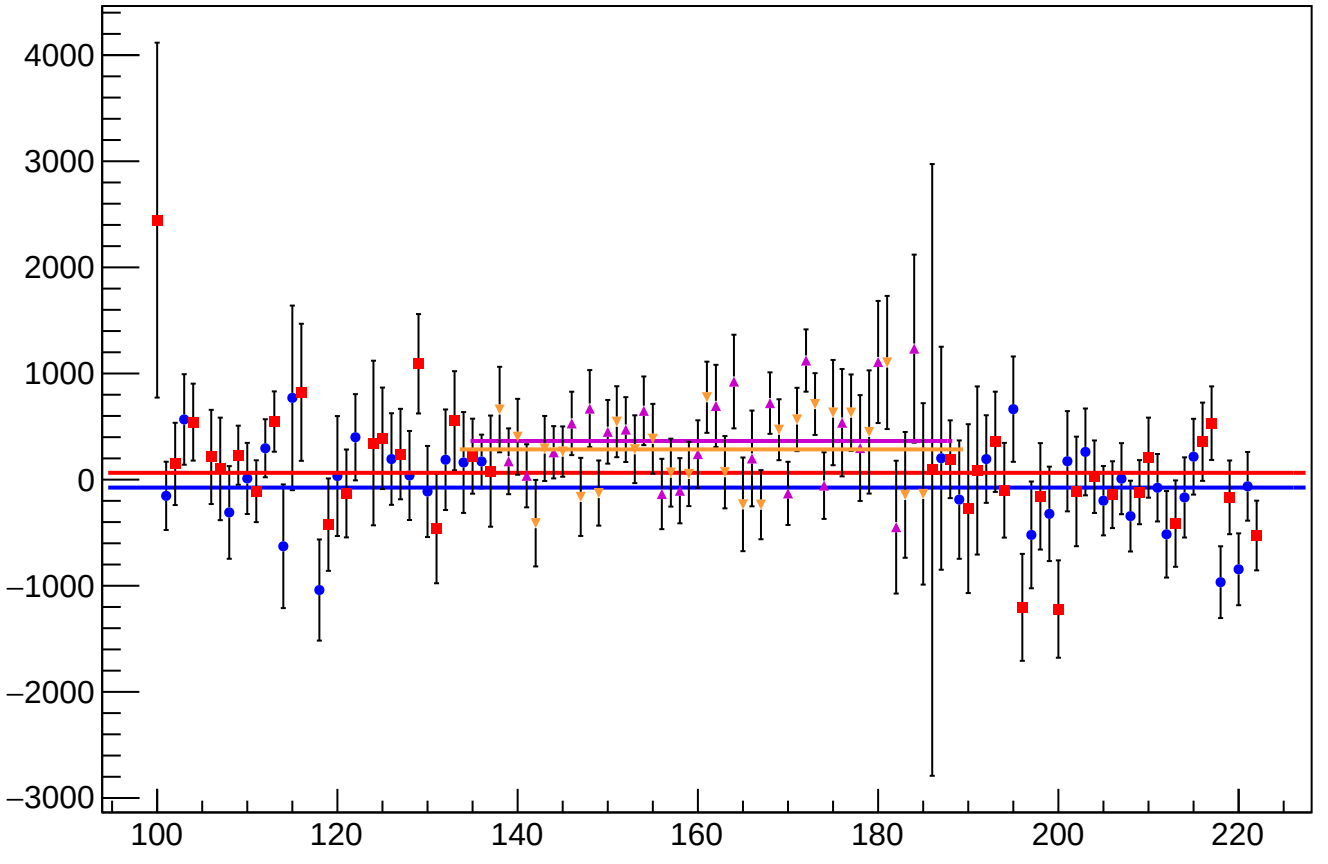
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 3205.339+/-0.365 χ^2/NDF: 11210922.5/71

In: 2410.729+/-0.286 χ^2/NDF:9313217.7/56

Out: 2374.388+/-0.279 χ^2/NDF:10530154.2/62

All: 2392.083+/-0.200 χ^2/NDF: 19851654.5/1



Right In: -74.983+/-67.398 χ^2/NDF: 33.5/33

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 64.095+/-66.926 χ^2/NDF: 42.1/37

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

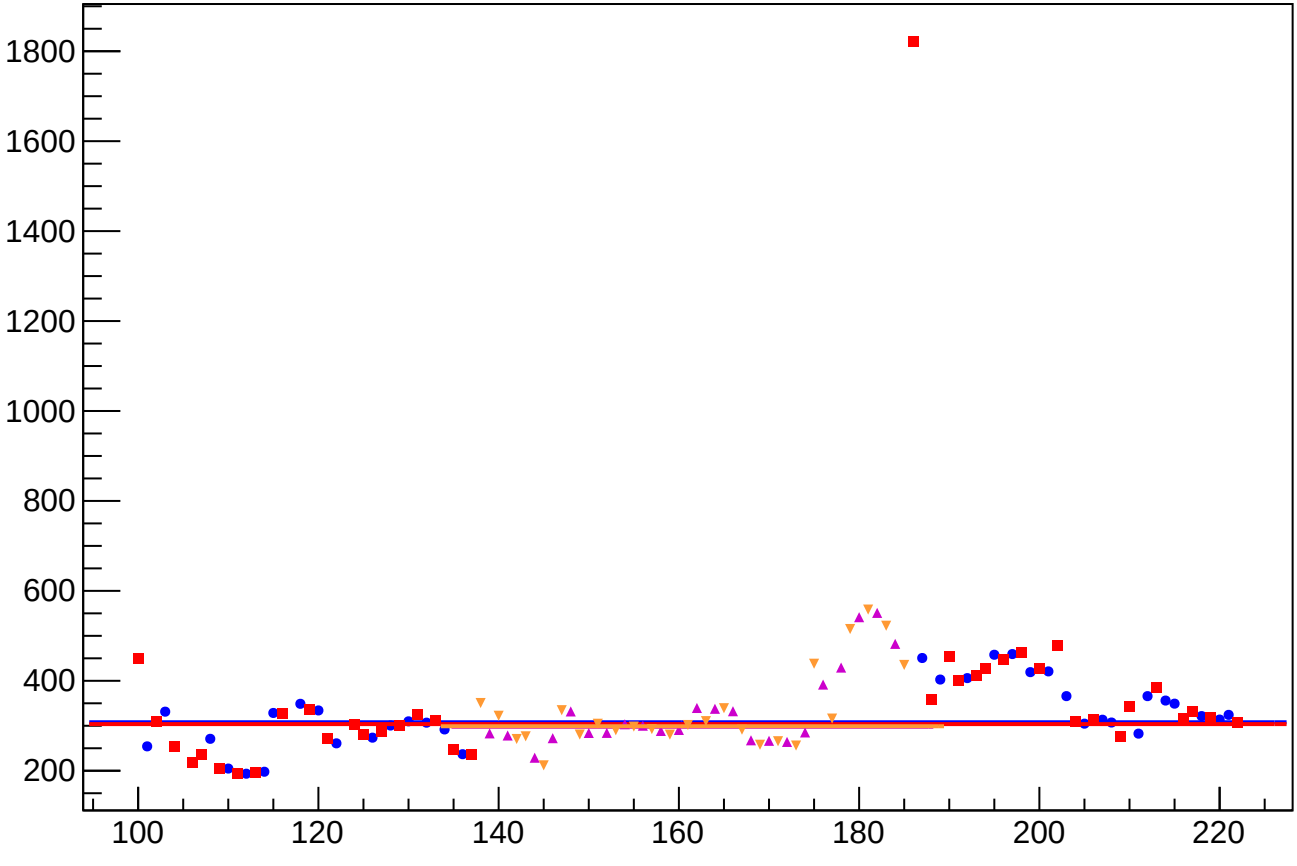
Right: -4.956+/-47.490 χ^2/NDF: 77.7/71

In: 130.980+/-49.113 χ^2/NDF:81.6/56

Out: 169.495+/-48.386 χ^2/NDF:70.1/62

All: 150.524+/-34.468 χ^2/NDF: 152.0/119

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: 303.713+/-0.047 χ^2/NDF: 2955673.8/37

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

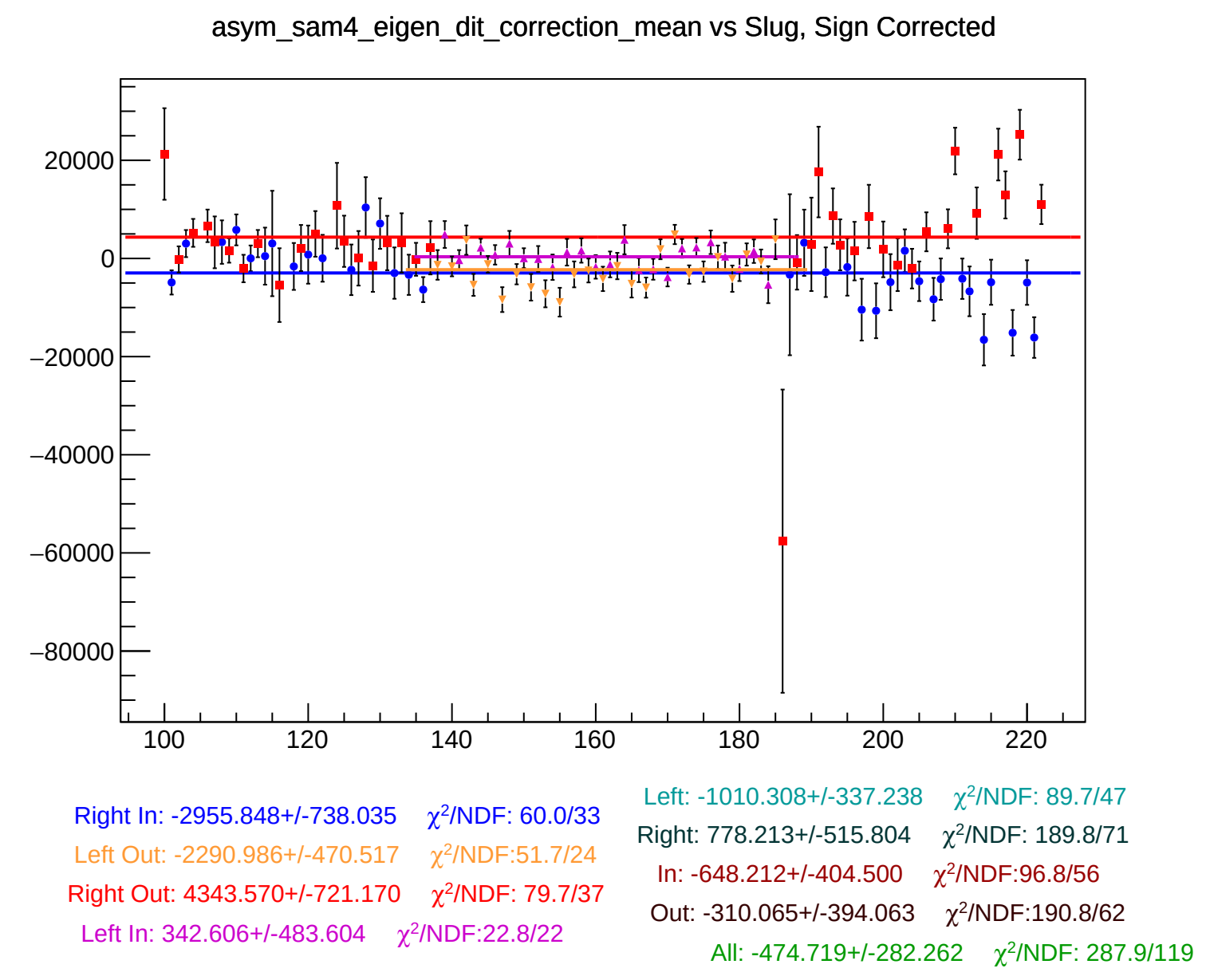
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

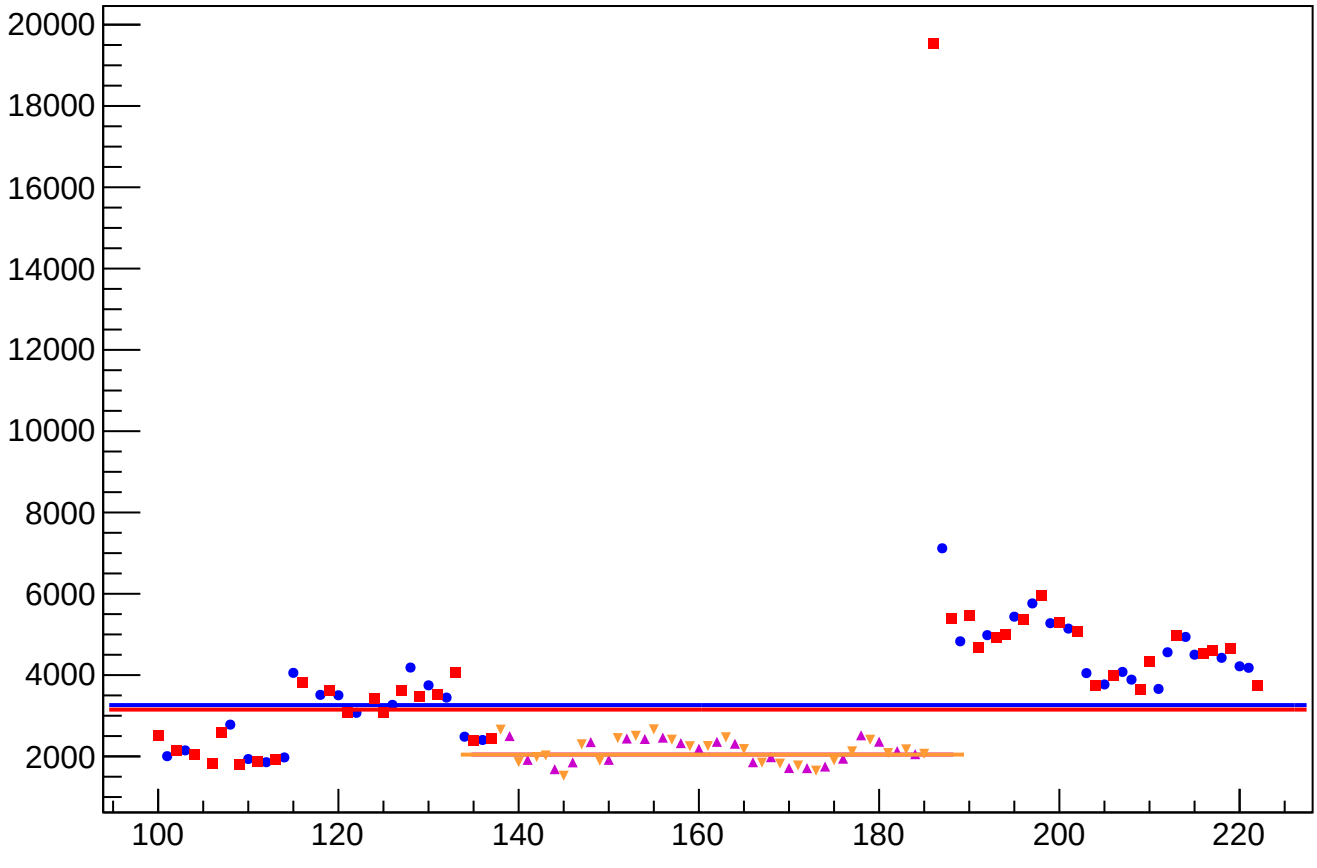
Right: 305.750+/-0.034 χ^2/NDF: 4841927.8/71

In: 303.159+/-0.035 χ^2/NDF:3221930.9/56

Out: 301.434+/-0.034 χ^2/NDF:4573607.2/62

All: 302.284+/-0.024 χ^2/NDF: 7796789.9/119


asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2955.848+/-738.035 χ²/NDF: 60.0/33
Left Out: -2290.986+/-470.517 χ²/NDF:51.7/24
Right Out: 4343.570+/-721.170 χ²/NDF: 79.7/37
Left In: 342.606+/-483.604 χ²/NDF:22.8/22
Left: -1010.308+/-337.238 χ²/NDF: 89.7/47
Right: 778.213+/-515.804 χ²/NDF: 189.8/71
In: -648.212+/-404.500 χ²/NDF:96.8/56
Out: -310.065+/-394.063 χ²/NDF:190.8/62
All: -474.719+/-282.262 χ²/NDF: 287.9/119



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: 3151.138+/-0.510 χ^2/NDF: 6368961.1/37

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

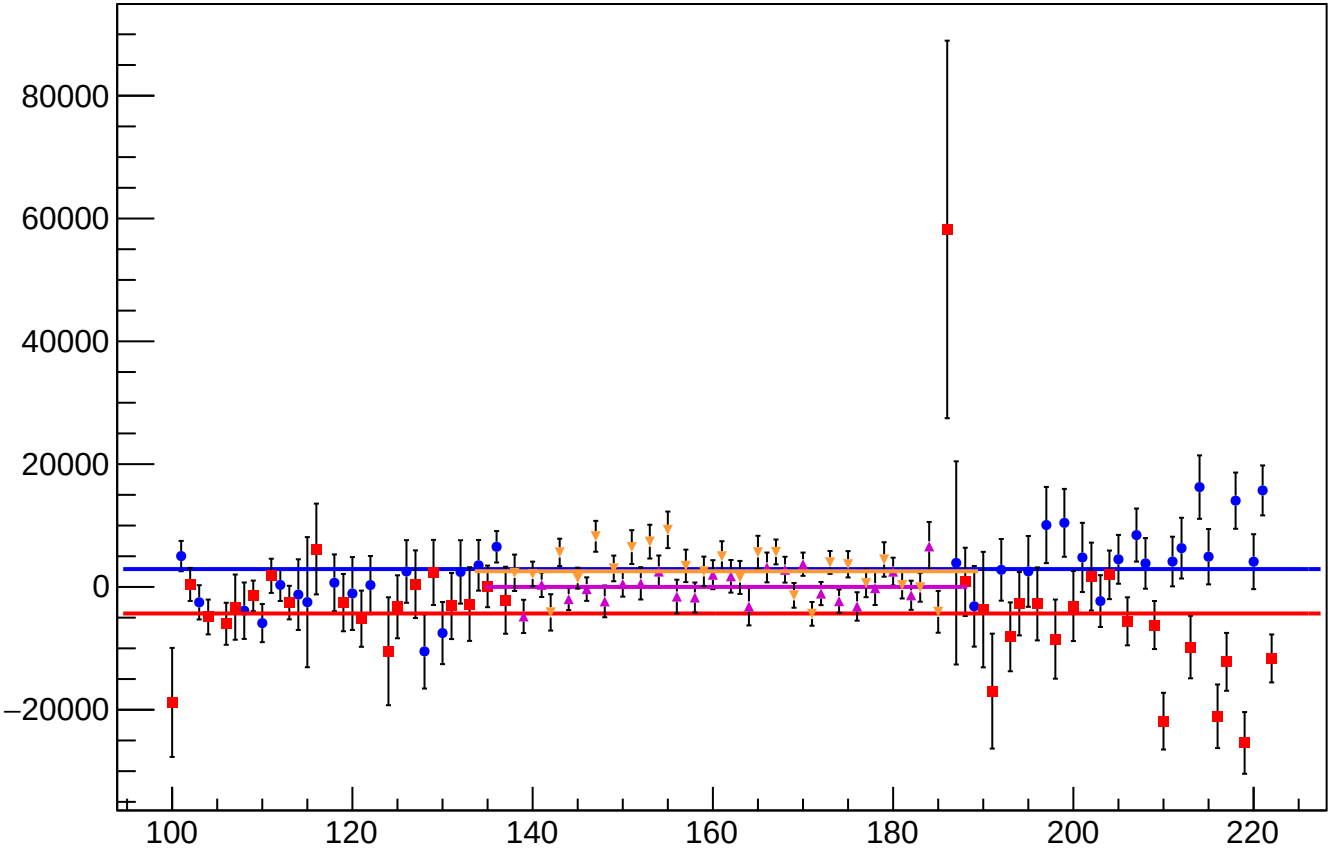
Right: 3205.337+/-0.365 χ^2/NDF: 11210911.8/71

In: 2410.726+/-0.286 χ^2/NDF:9313220.7/56

Out: 2374.384+/-0.279 χ^2/NDF:10530162.5/62

All: 2392.080+/-0.200 χ^2/NDF: 19851665.9/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 2908.996+/-731.881 χ^2/NDF: 59.5/33

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -4321.519+/-717.215 χ^2/NDF: 81.6/37

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

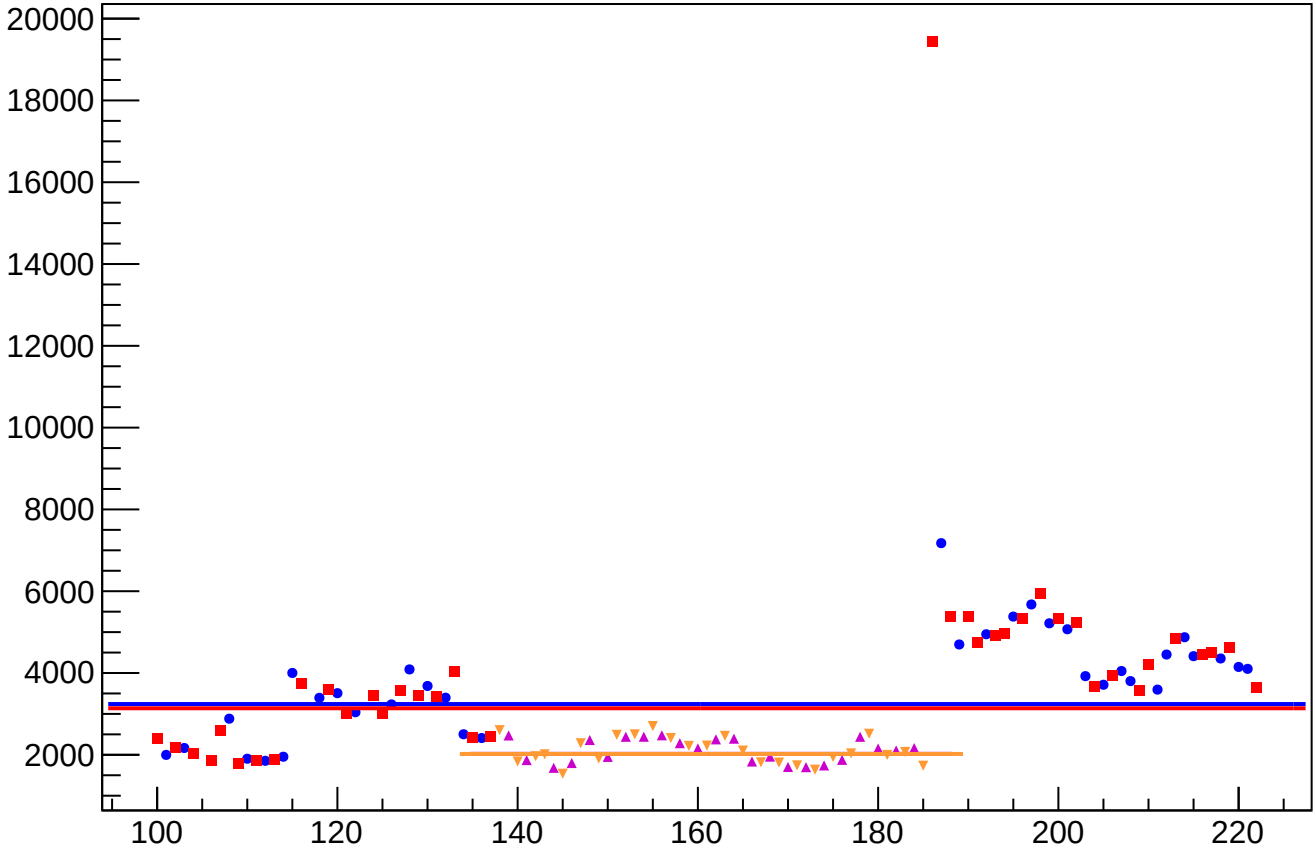
Right: -779.433+/-512.254 χ^2/NDF: 190.9/71

In: 873.564+/-400.507 χ^2/NDF:95.3/56

Out: 516.949+/-390.729 χ^2/NDF:199.0/62

All: 690.850+/-279.680 χ^2/NDF: 294.6/119

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: 3137.752+/-0.507 χ^2/NDF: 6250458.0/37

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

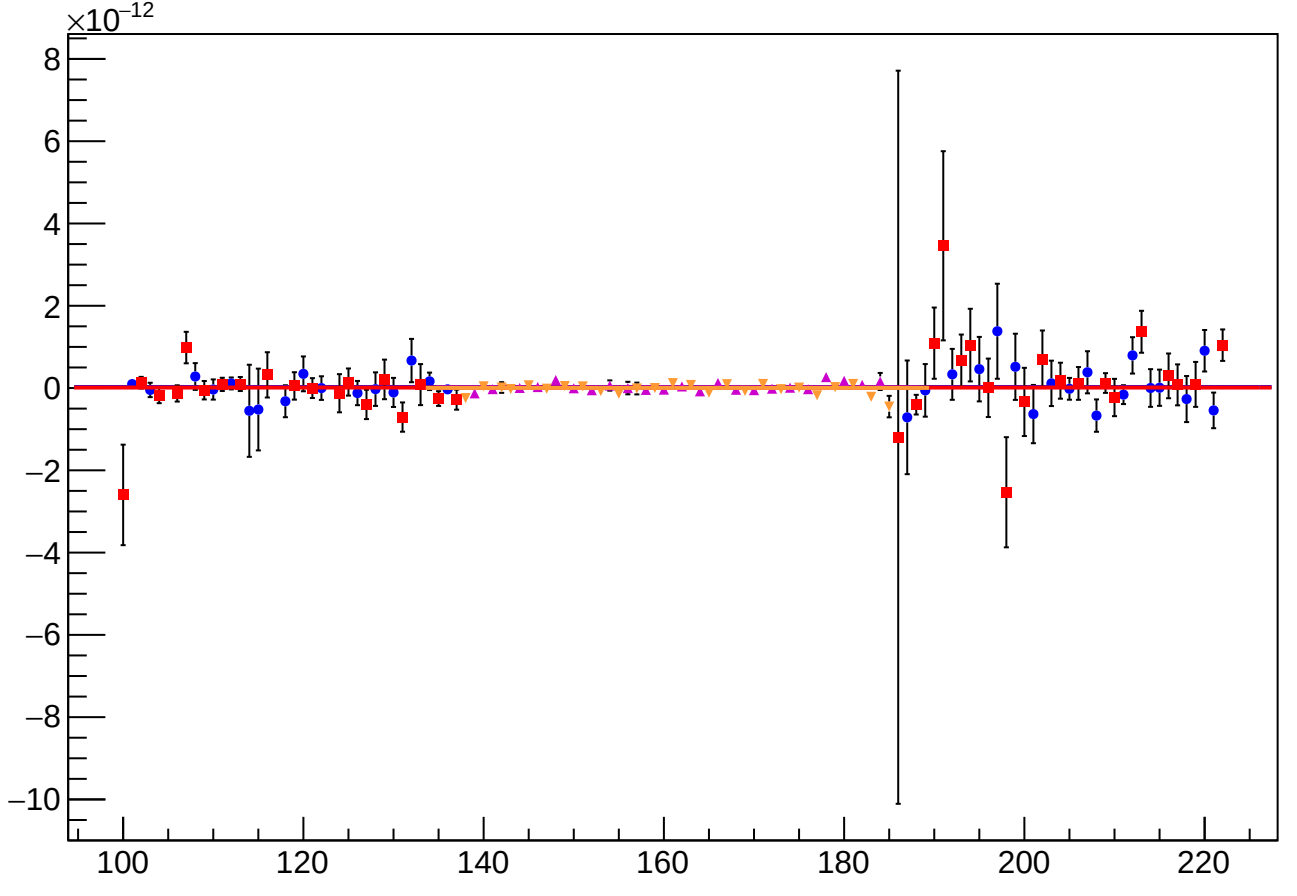
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3188.495+/-0.362 χ^2/NDF: 10906936.2/71

In: 2388.042+/-0.283 χ^2/NDF:9212811.8/56

Out: 2352.630+/-0.276 χ^2/NDF:10539998.2/62

All: 2369.899+/-0.198 χ^2/NDF: 19760820.7/



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.1/37

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

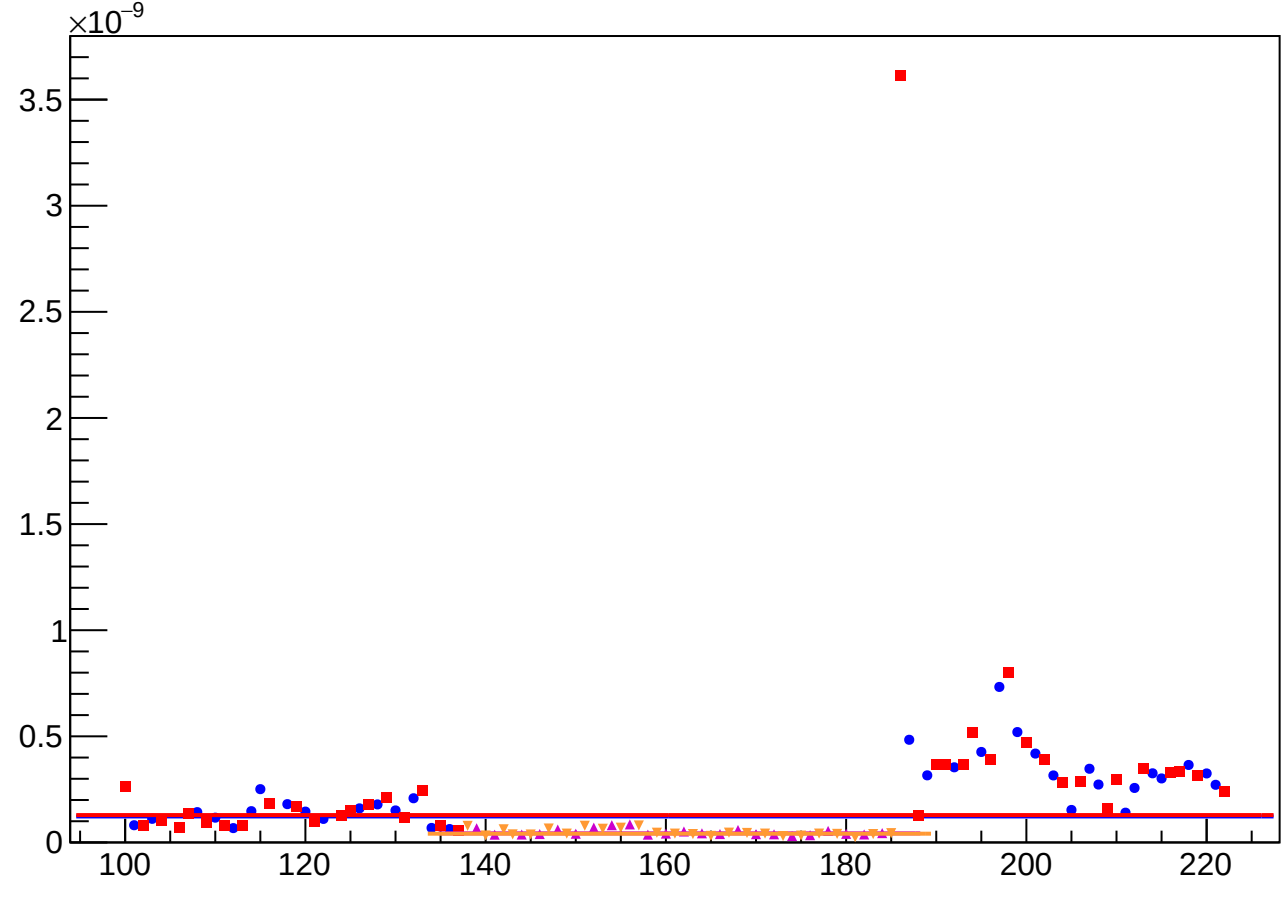
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 75.1/71

In: 0.000+/-0.000 χ^2/NDF:42.9/56

Out: 0.000+/-0.000 χ^2/NDF:85.2/62

All: 0.000+/-0.000 χ^2/NDF: 128.3/119



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: 6320962.5/37

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

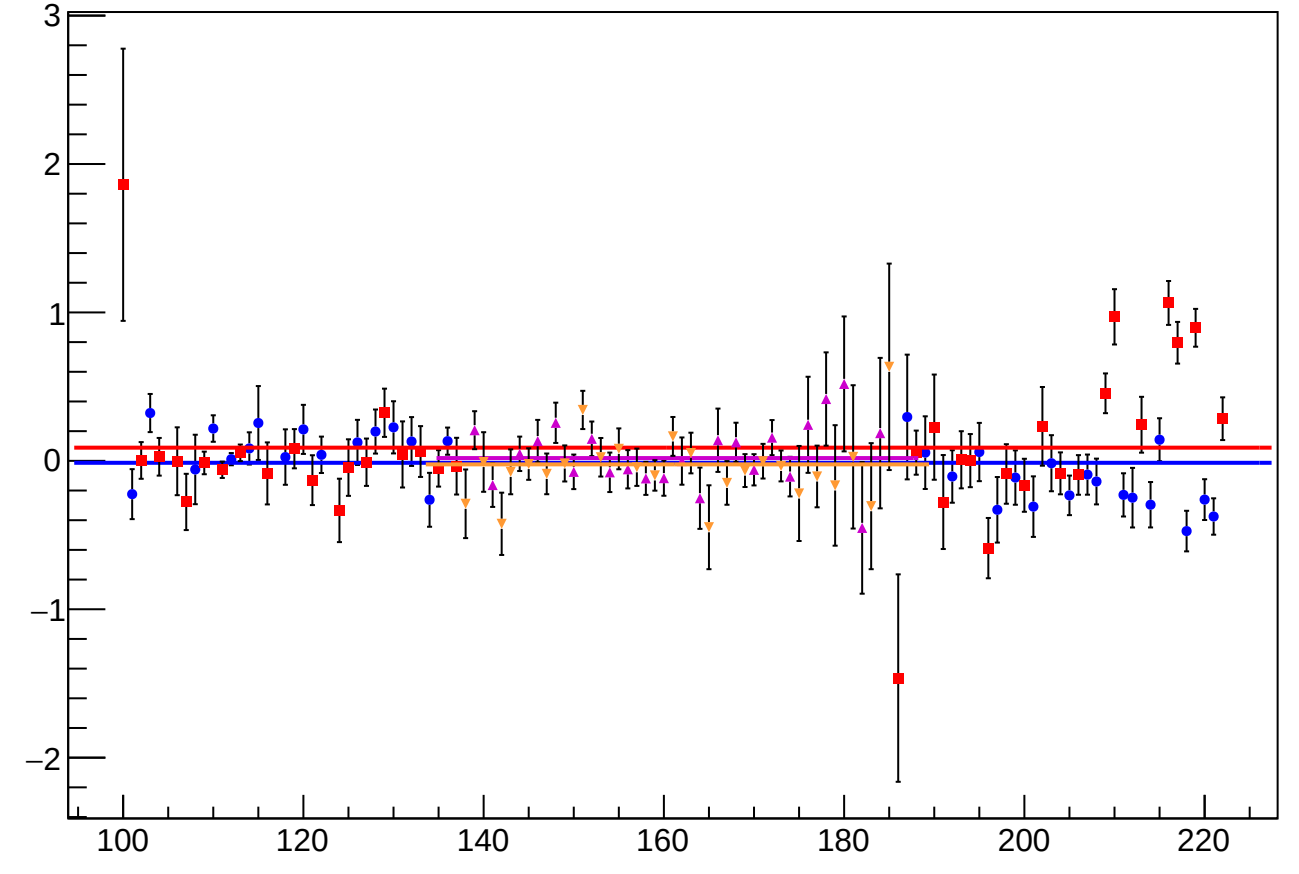
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13115570.9/71

In: 0.000+/-0.000 χ^2/NDF:12735942.3/56

Out: 0.000+/-0.000 χ^2/NDF:13194690.8/62

All: 0.000+/-0.000 χ^2/NDF: 25960027.2/119



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: 0.089+/-0.022 χ^2/NDF: 194.7/37

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

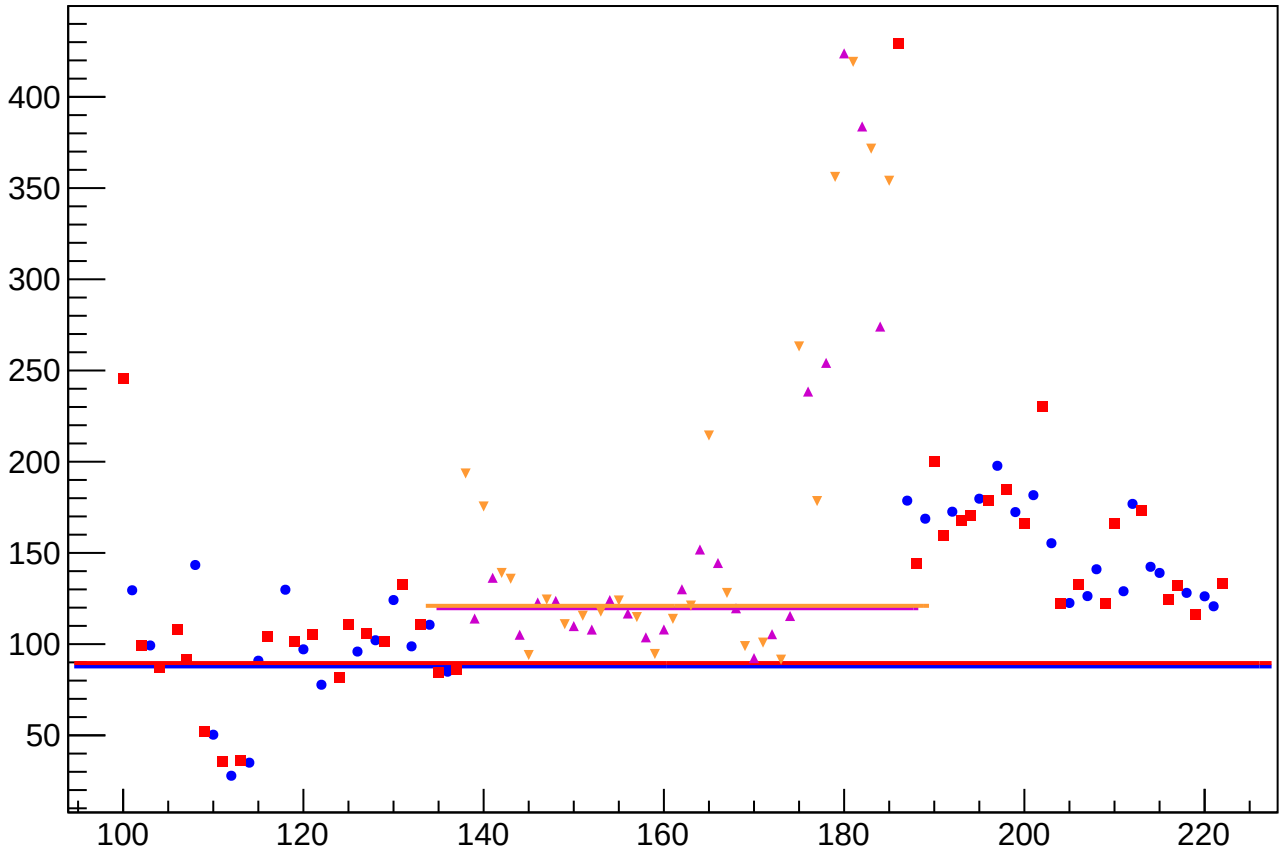
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.038+/-0.016 χ^2/NDF: 275.3/71

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.049+/-0.018 χ^2/NDF:226.1/62

All: 0.023+/-0.013 χ^2/NDF: 323.9/119



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: 89.622+/-0.016 χ^2/NDF: 9807454.2/37

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

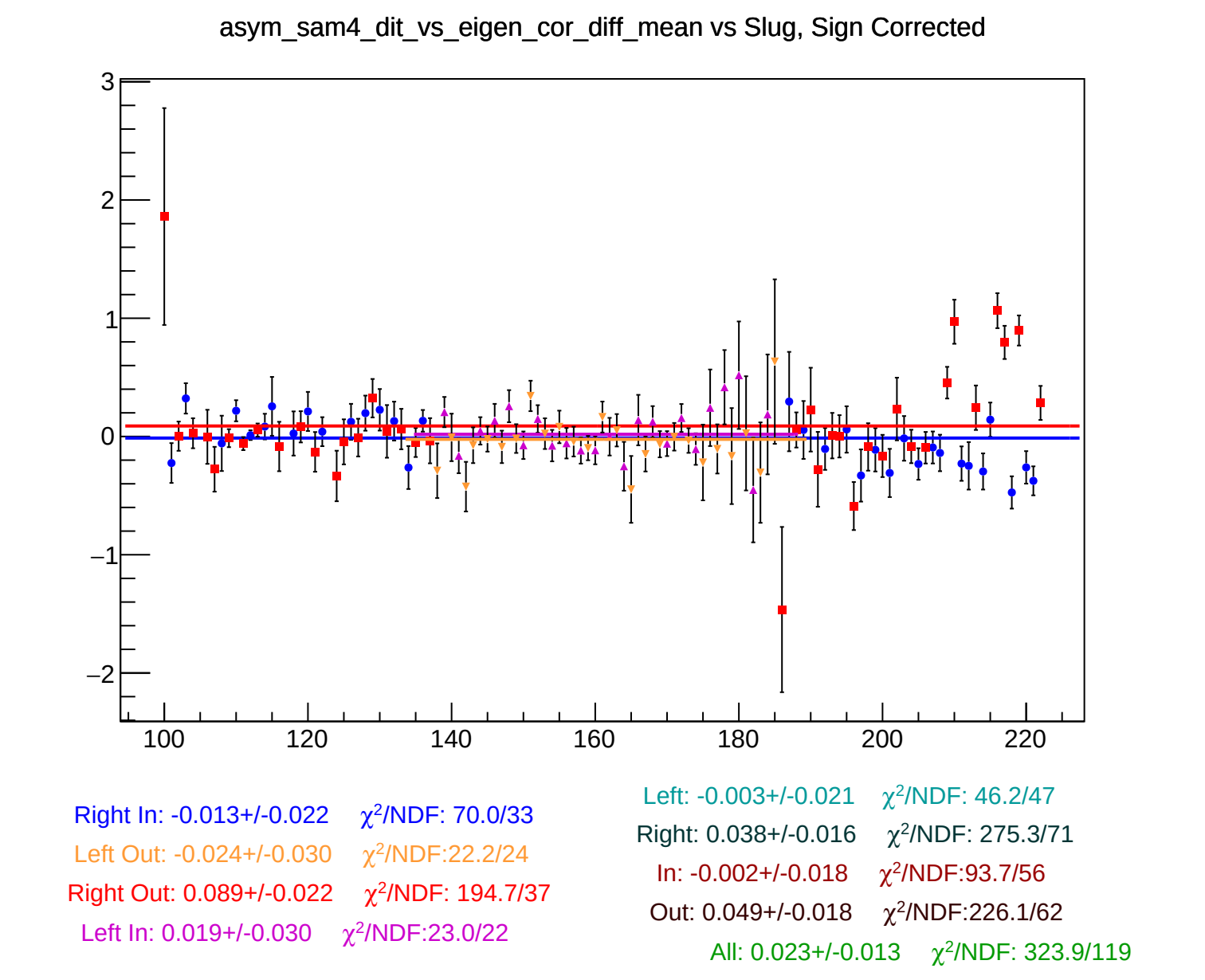
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

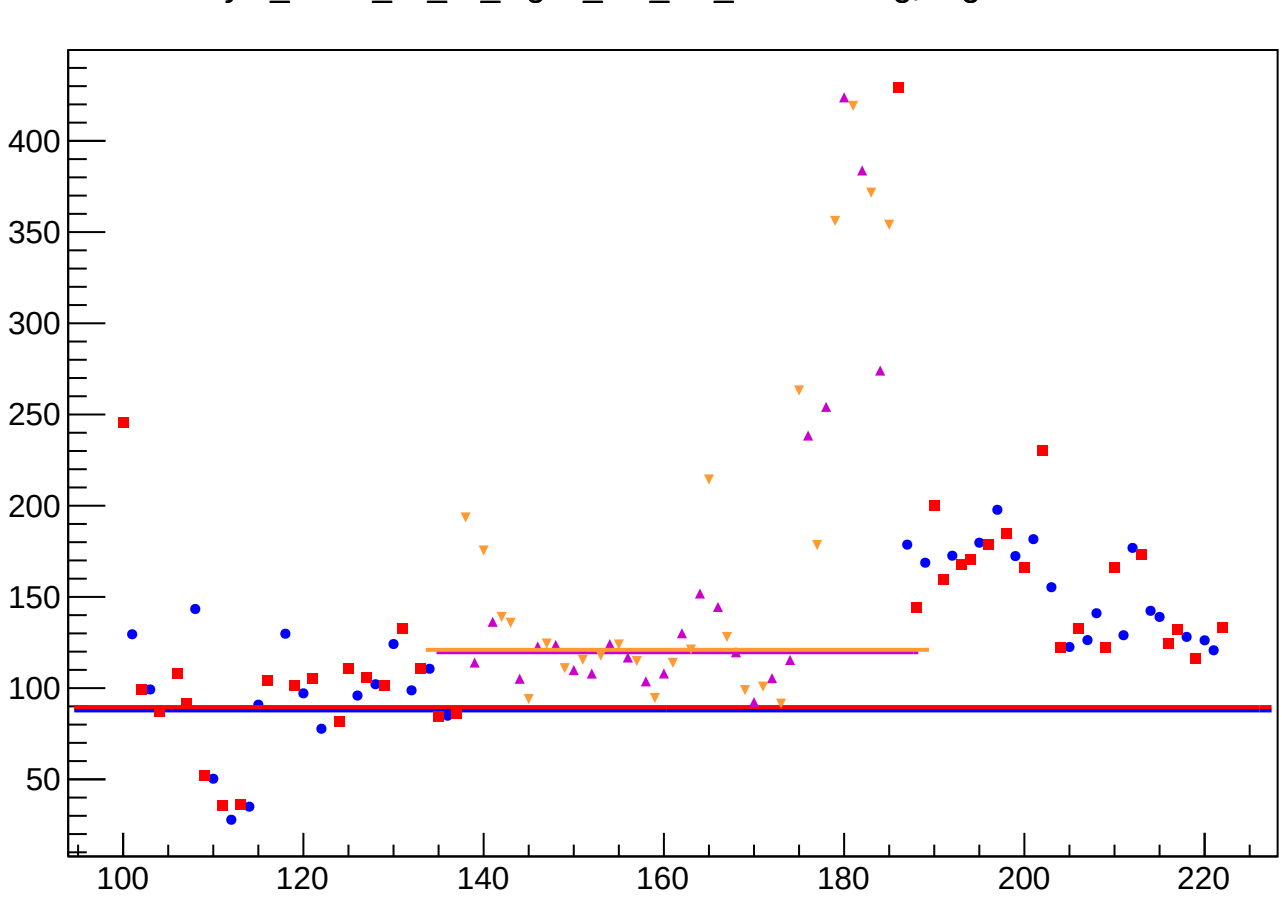
Right: 88.696+/-0.011 χ^2/NDF: 20292386.8/71

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 100.759+/-0.013 χ^2/NDF:15323215.6/62

All: 99.837+/-0.009 χ^2/NDF: 30100778.9/119


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.013+/-0.022 χ²/NDF: 70.0/33
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.089+/-0.022 χ²/NDF: 194.7/37
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.038+/-0.016 χ²/NDF: 275.3/71
In: -0.002+/-0.018 χ²/NDF:93.7/56
Out: 0.049+/-0.018 χ²/NDF:226.1/62
All: 0.023+/-0.013 χ²/NDF: 323.9/119



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: 89.622+/-0.016 χ^2/NDF: 9807454.2/37

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

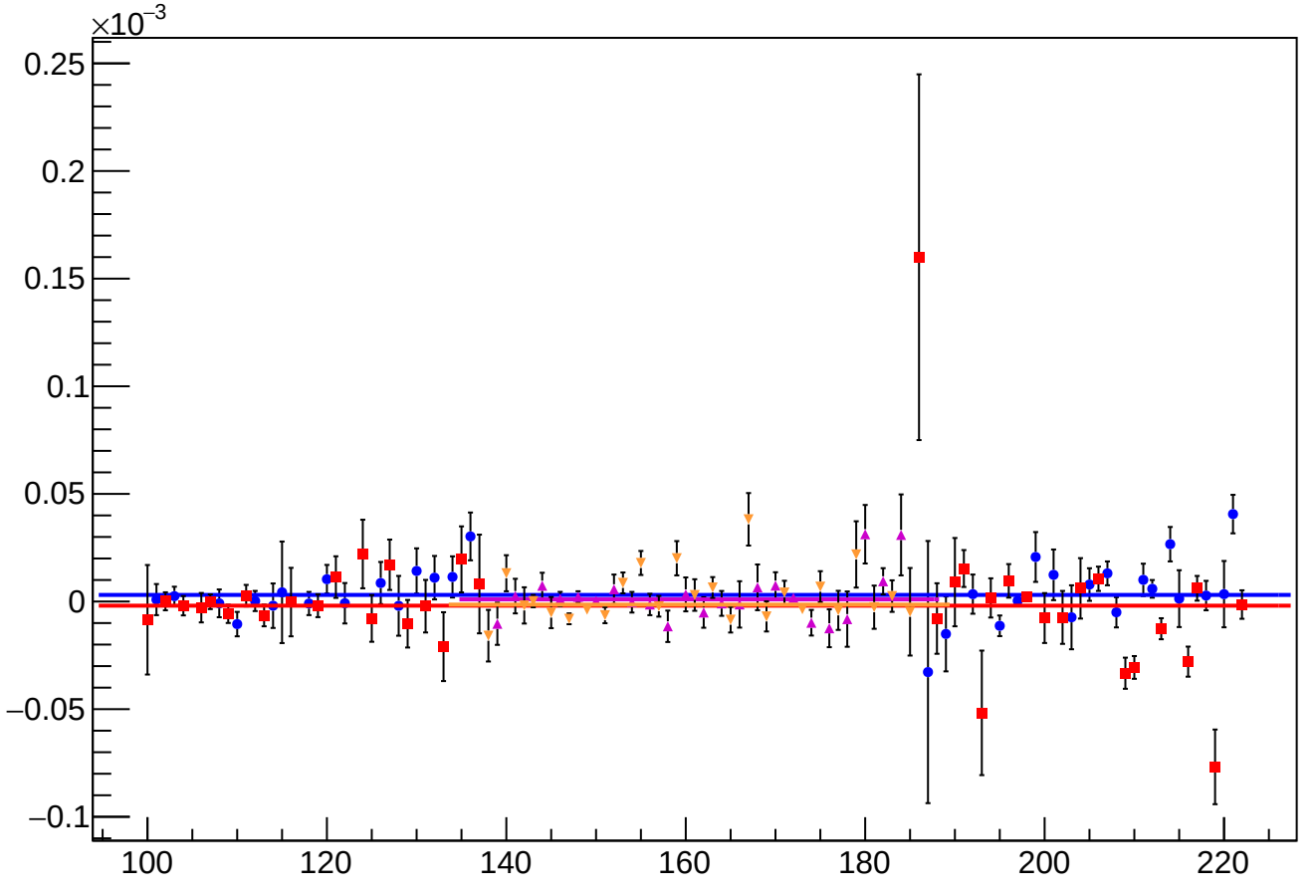
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 88.696+/-0.011 χ^2/NDF: 20292386.8/71

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 100.759+/-0.013 χ^2/NDF:15323215.6/62

All: 99.837+/-0.009 χ^2/NDF: 30100778.9/119



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: 127.2/37

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

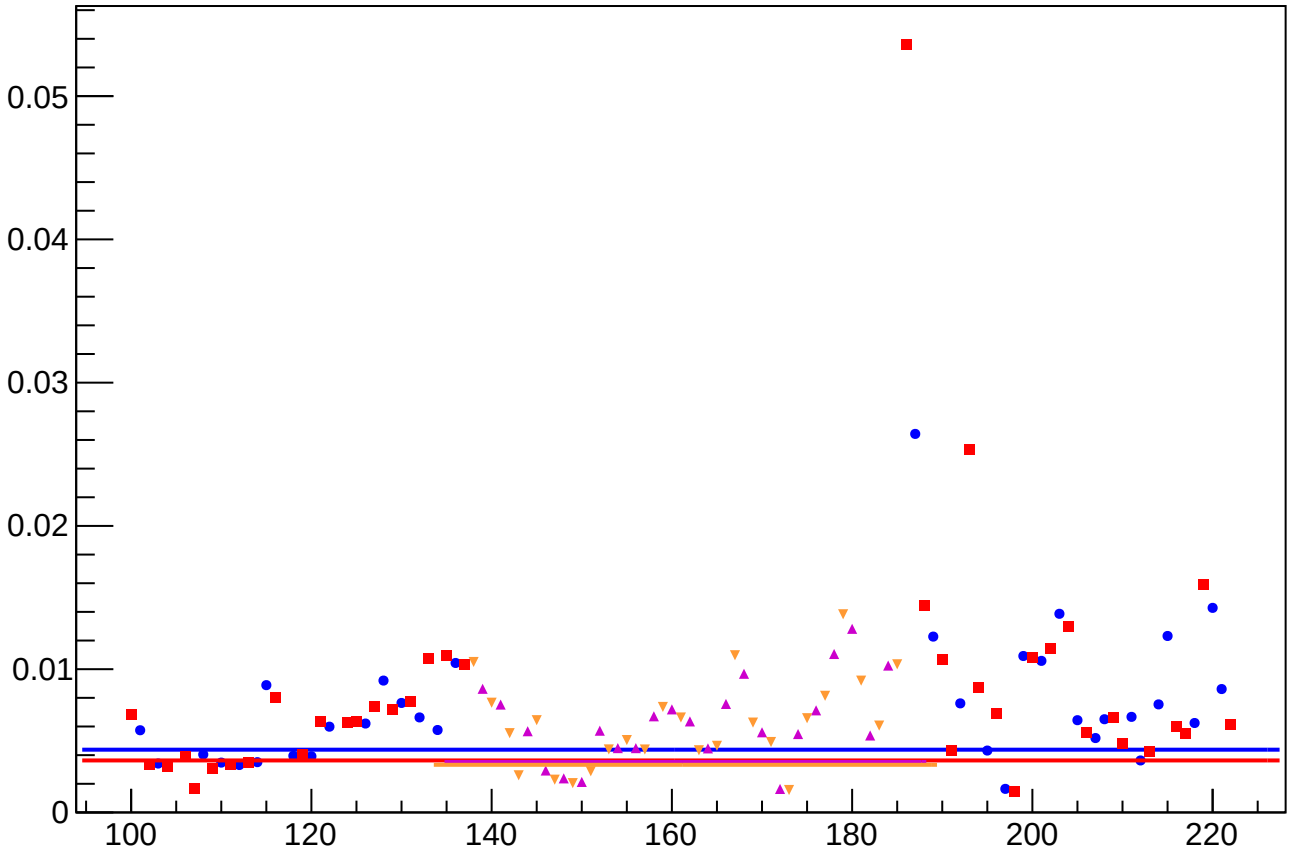
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 204.3/71

In: 0.000+/-0.000 χ^2/NDF:92.1/56

Out: -0.000+/-0.000 χ^2/NDF:187.8/62

All: -0.000+/-0.000 χ^2/NDF: 292.8/119



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: 15115184.4/37

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

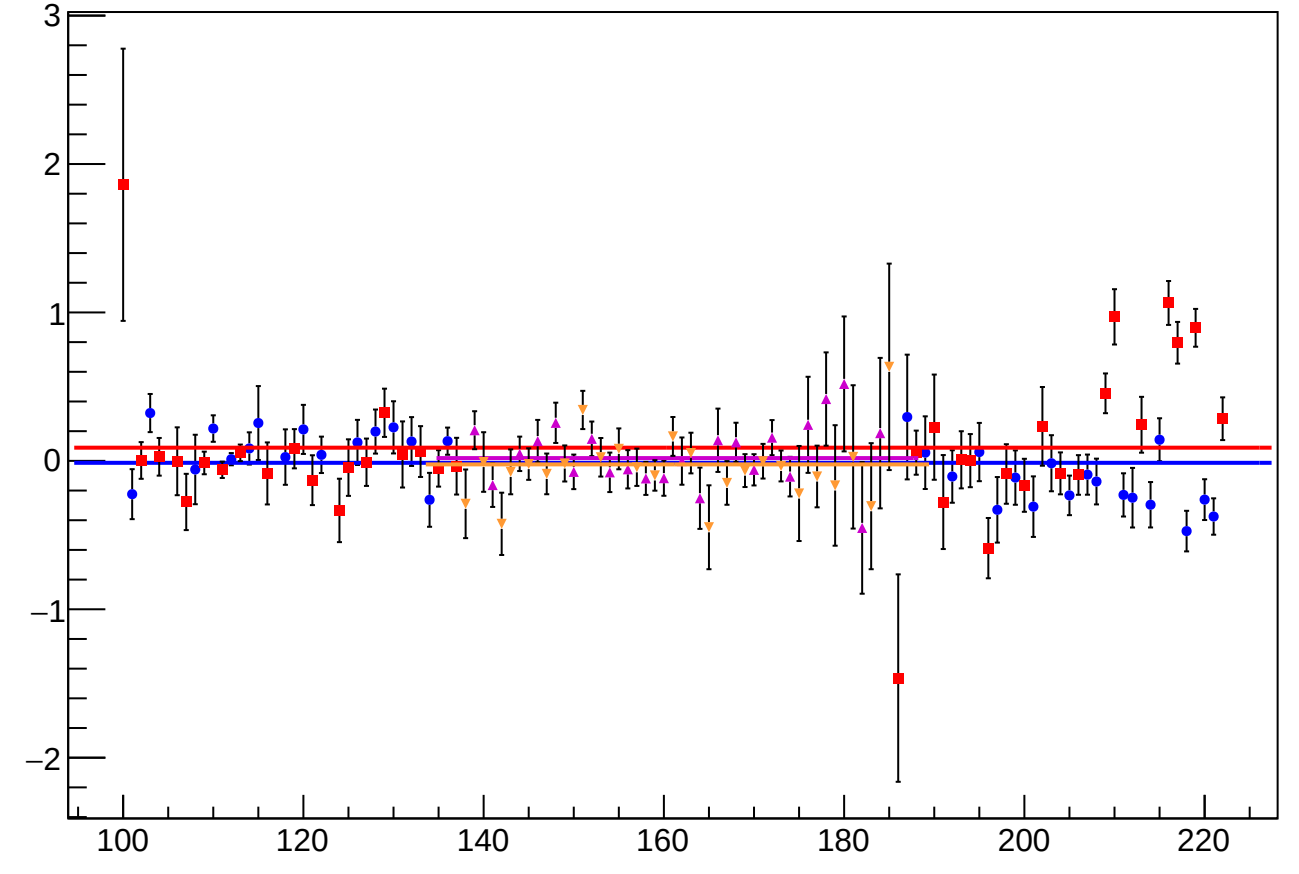
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 26555035.1/71

In: 0.004+/-0.000 χ^2/NDF:21013788.2/56

Out: 0.003+/-0.000 χ^2/NDF:25706966.9/62

All: 0.004+/-0.000 χ^2/NDF: 47098486.3/119



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: 0.089+/-0.022 χ^2/NDF: 194.7/37

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

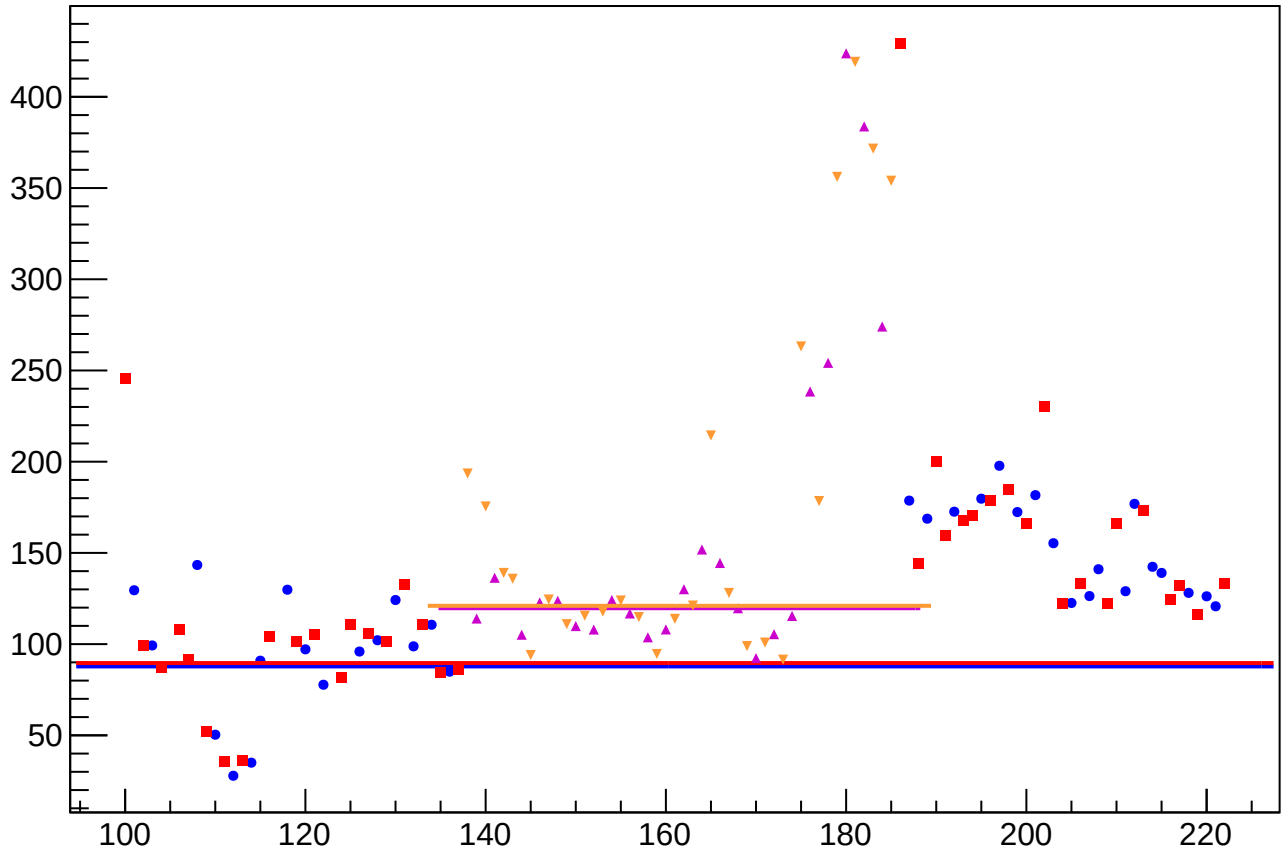
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.038+/-0.016 χ^2/NDF: 275.3/71

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.049+/-0.018 χ^2/NDF:226.1/62

All: 0.023+/-0.013 χ^2/NDF: 323.9/119



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: 89.620+/-0.016 χ^2/NDF: 9807993.3/37

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

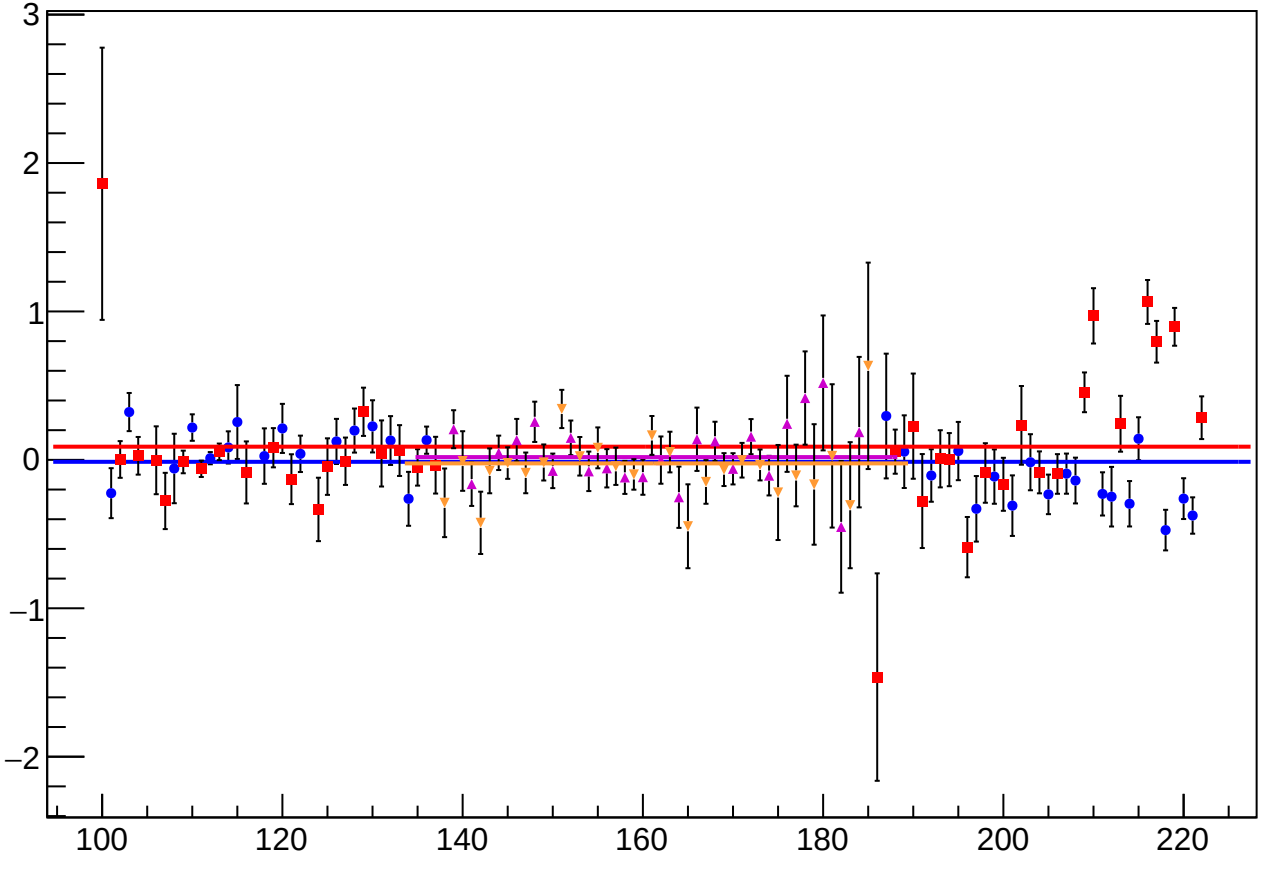
Right: 88.694+/-0.011 χ^2/NDF: 20293454.5/71

In: 98.909+/-0.013 χ^2/NDF:14767589.3/56

Out: 100.758+/-0.013 χ^2/NDF:15323962.3/62

All: 99.835+/-0.009 χ^2/NDF: 30102294.5/119

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: 0.089+/-0.022 χ^2/NDF: 194.7/37

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

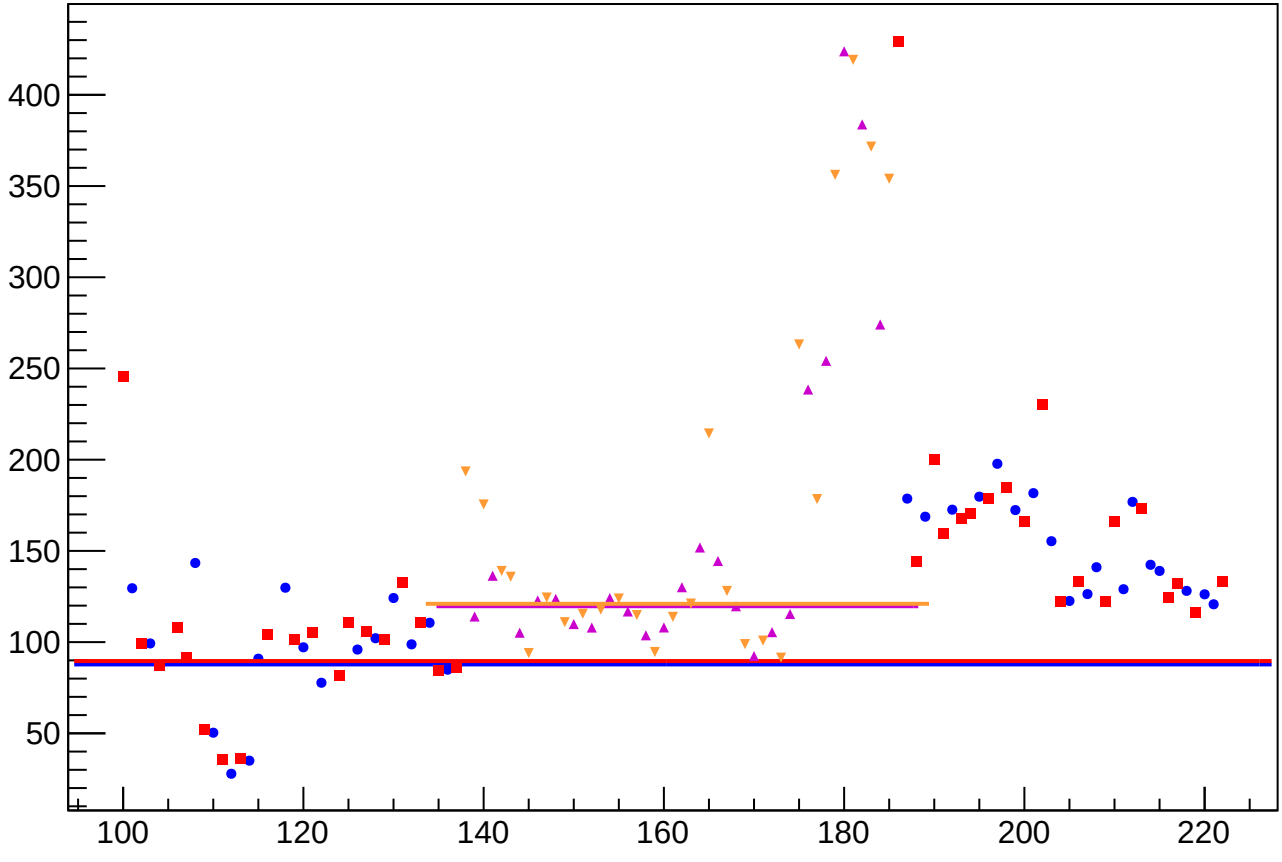
Right: 0.038+/-0.016 χ^2/NDF: 275.3/71

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.049+/-0.018 χ^2/NDF:226.1/62

All: 0.023+/-0.013 χ^2/NDF: 323.9/119

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: 89.620+/-0.016 χ^2/NDF: 9807993.3/37

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

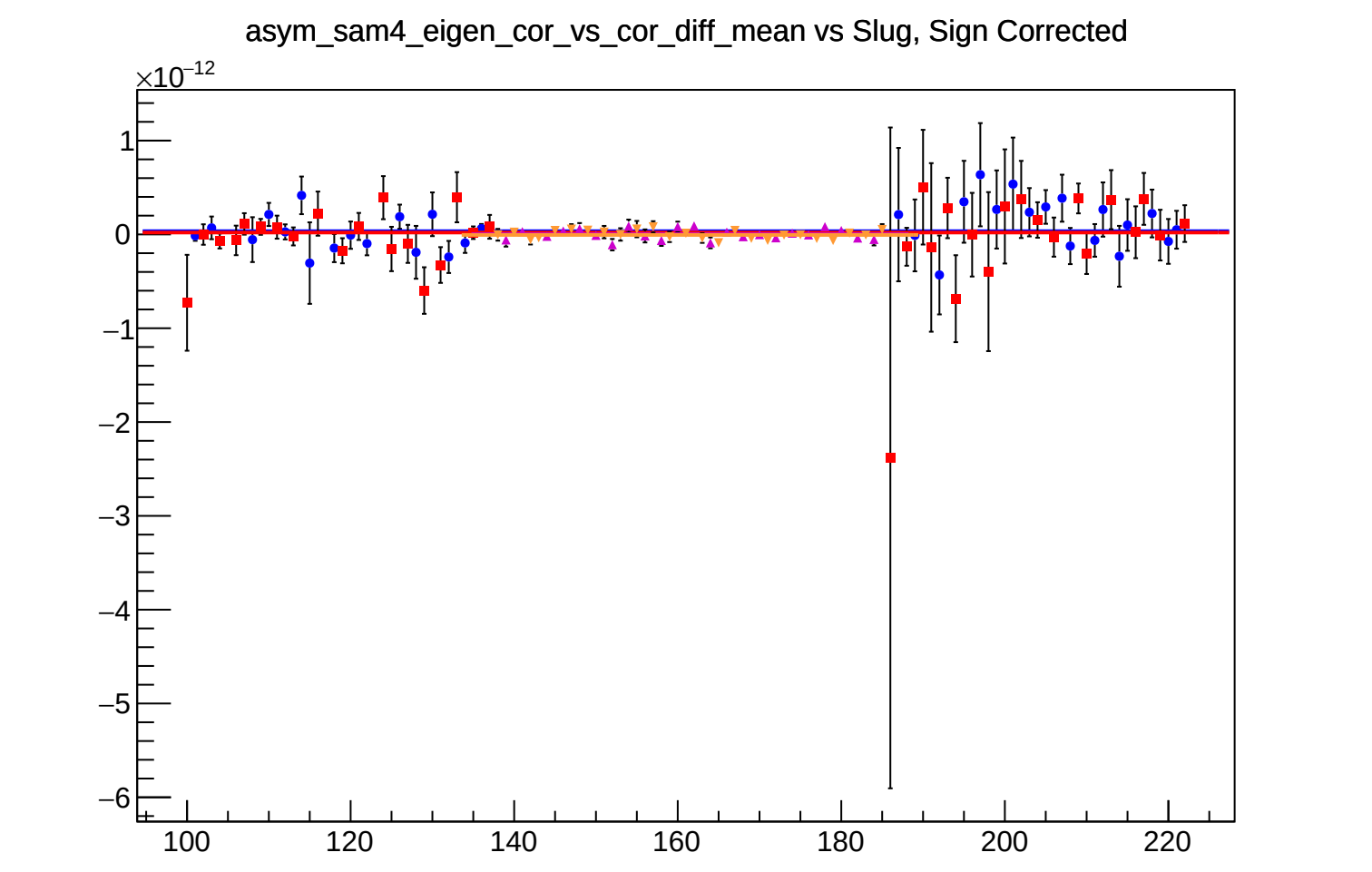
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 88.694+/-0.011 χ^2/NDF: 20293454.5/71

In: 98.909+/-0.013 χ^2/NDF:14767589.3/56

Out: 100.758+/-0.013 χ^2/NDF:15323962.3/62

All: 99.835+/-0.009 χ^2/NDF: 30102294.5/119



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: 39.4/37

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

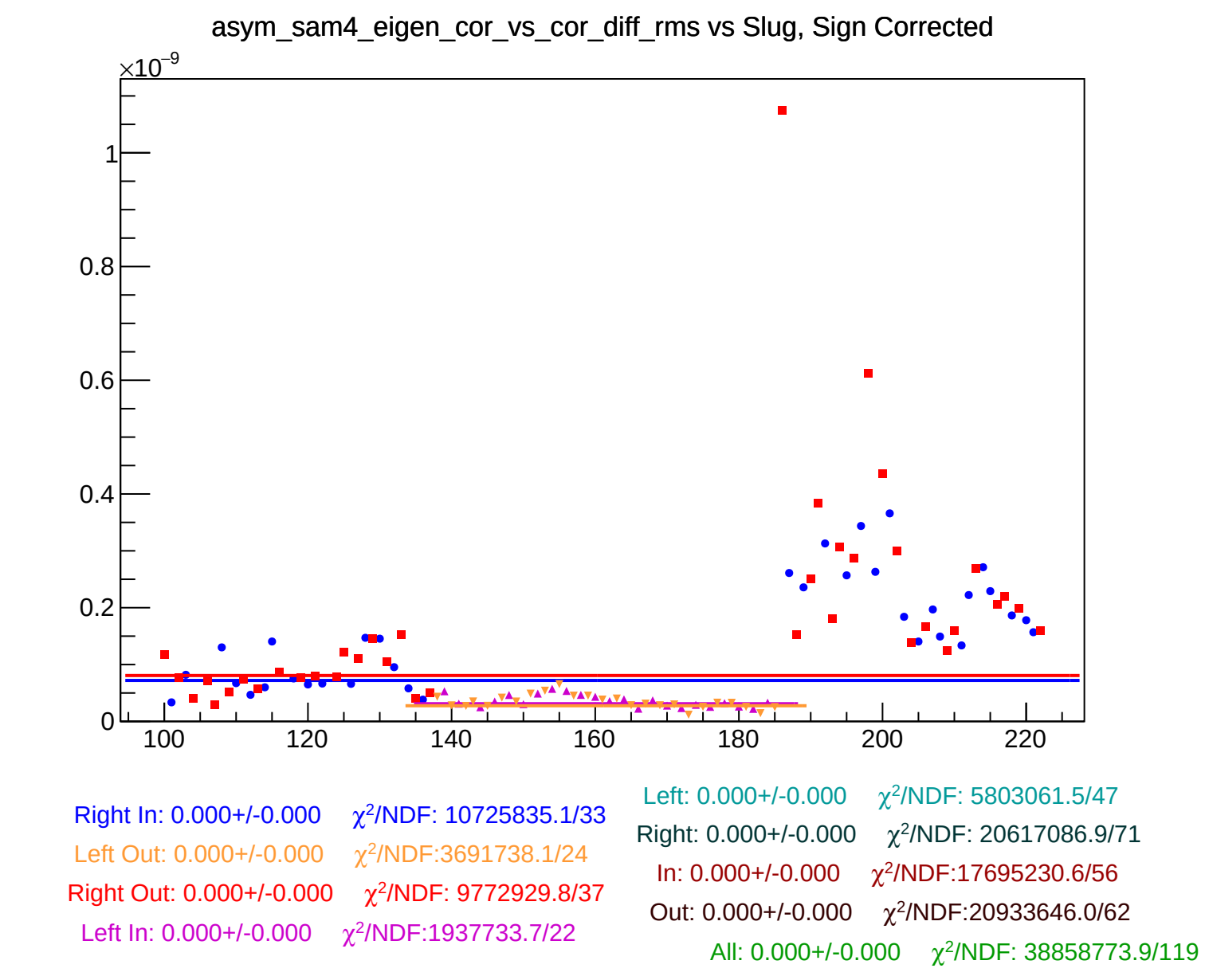
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 68.7/71

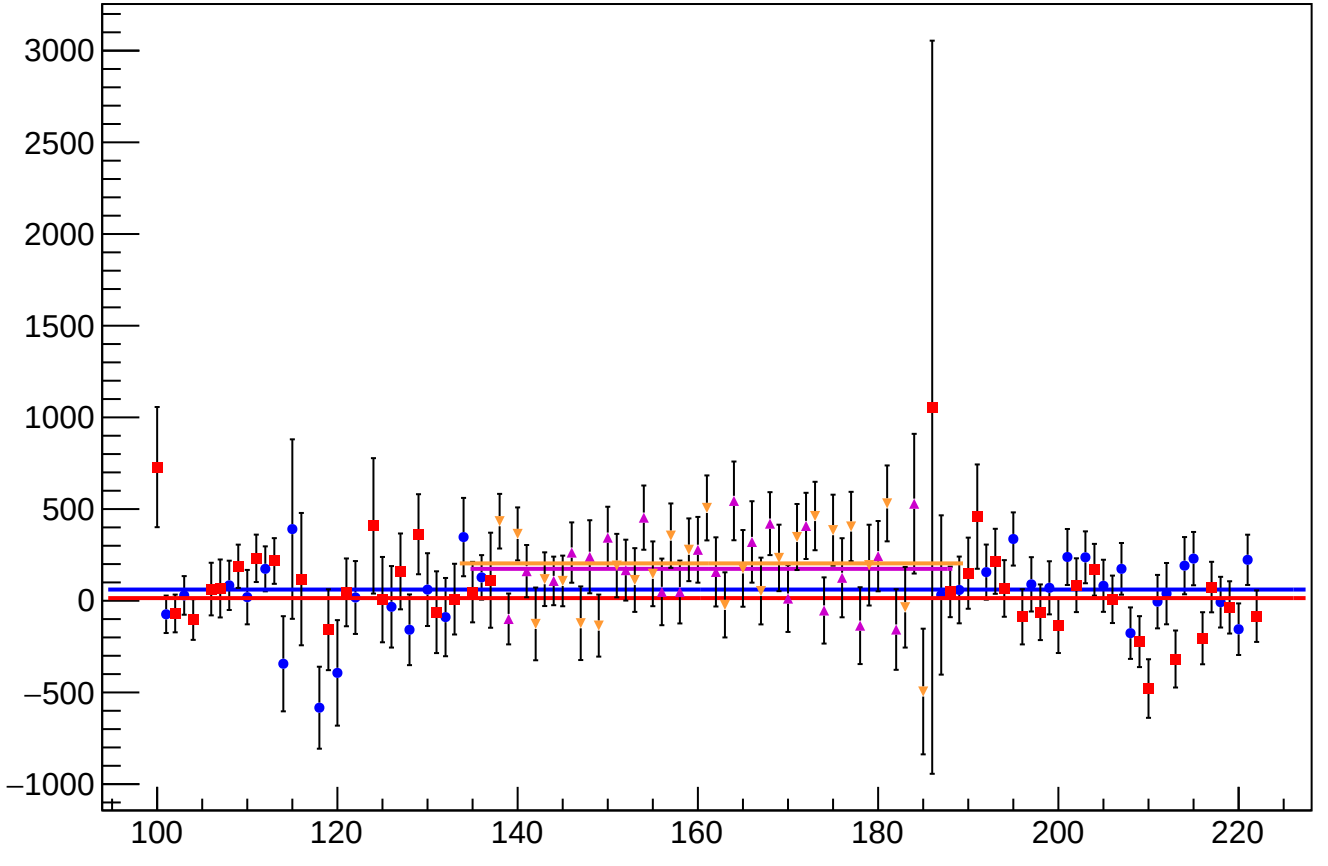
In: 0.000+/-0.000 χ^2/NDF:58.2/56

Out: -0.000+/-0.000 χ^2/NDF:62.5/62

All: 0.000+/-0.000 χ^2/NDF: 121.5/119


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10725835.1/33
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 9772929.8/37
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
Left: 0.000+/-0.000 χ²/NDF: 5803061.5/47
Right: 0.000+/-0.000 χ²/NDF: 20617086.9/71
In: 0.000+/-0.000 χ²/NDF:17695230.6/56
Out: 0.000+/-0.000 χ²/NDF:20933646.0/62
All: 0.000+/-0.000 χ²/NDF: 38858773.9/119

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: 14.446+/-25.944 χ^2/NDF: 47.6/37

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

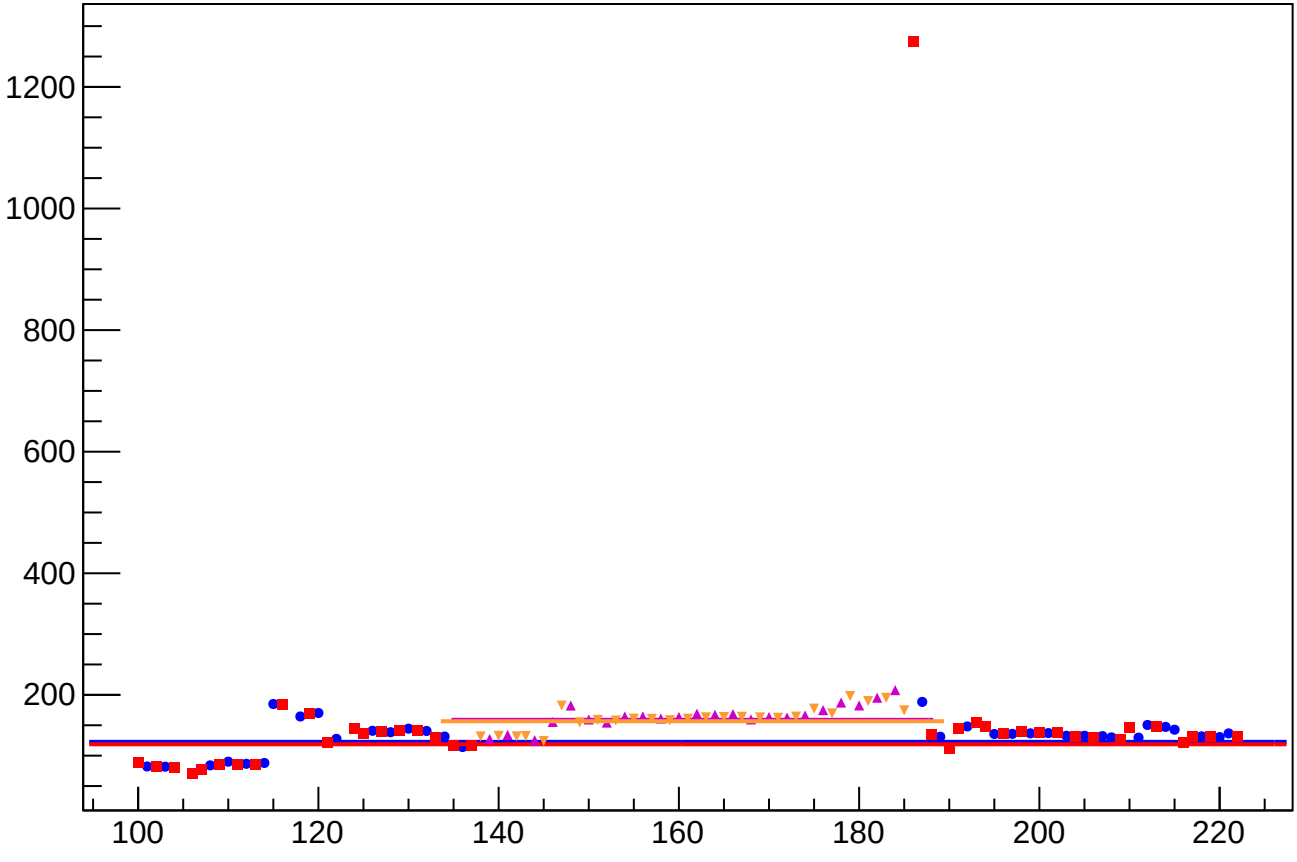
Right: 37.146+/-18.598 χ^2/NDF: 86.6/71

In: 99.176+/-21.718 χ^2/NDF:67.9/56

Out: 79.450+/-21.023 χ^2/NDF:98.8/62

All: 88.993+/-15.105 χ^2/NDF: 167.1/119

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: 118.666+/-0.018 χ^2/NDF: 2780545.4/37

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

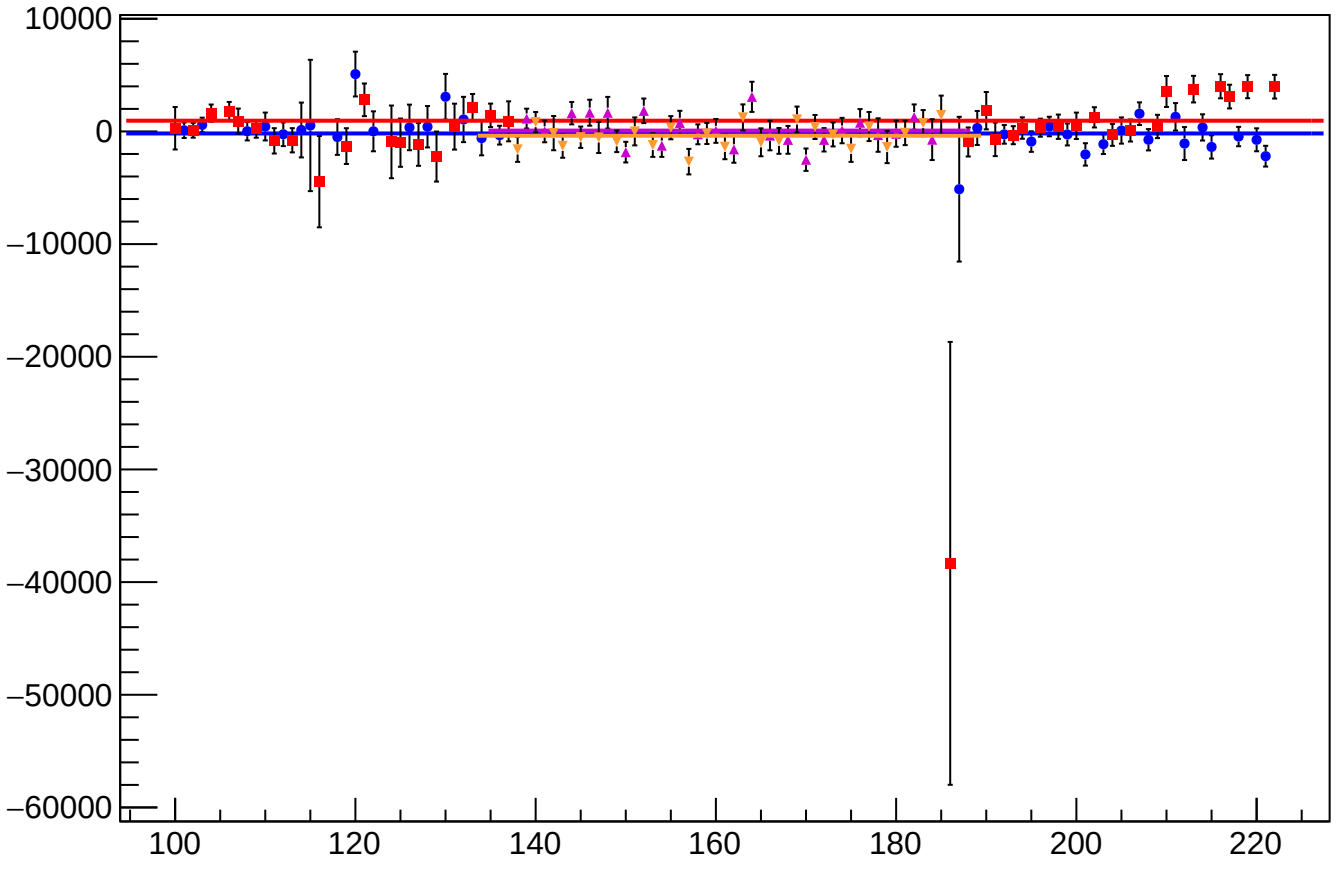
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 120.629+/-0.013 χ^2/NDF: 4518838.0/71

In: 134.924+/-0.015 χ^2/NDF:3471012.0/56

Out: 131.704+/-0.015 χ^2/NDF:4833990.8/62

All: 133.262+/-0.011 χ^2/NDF: 8327688.9/119



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: 951.842+/-182.153 χ^2/NDF: 73.6/37

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

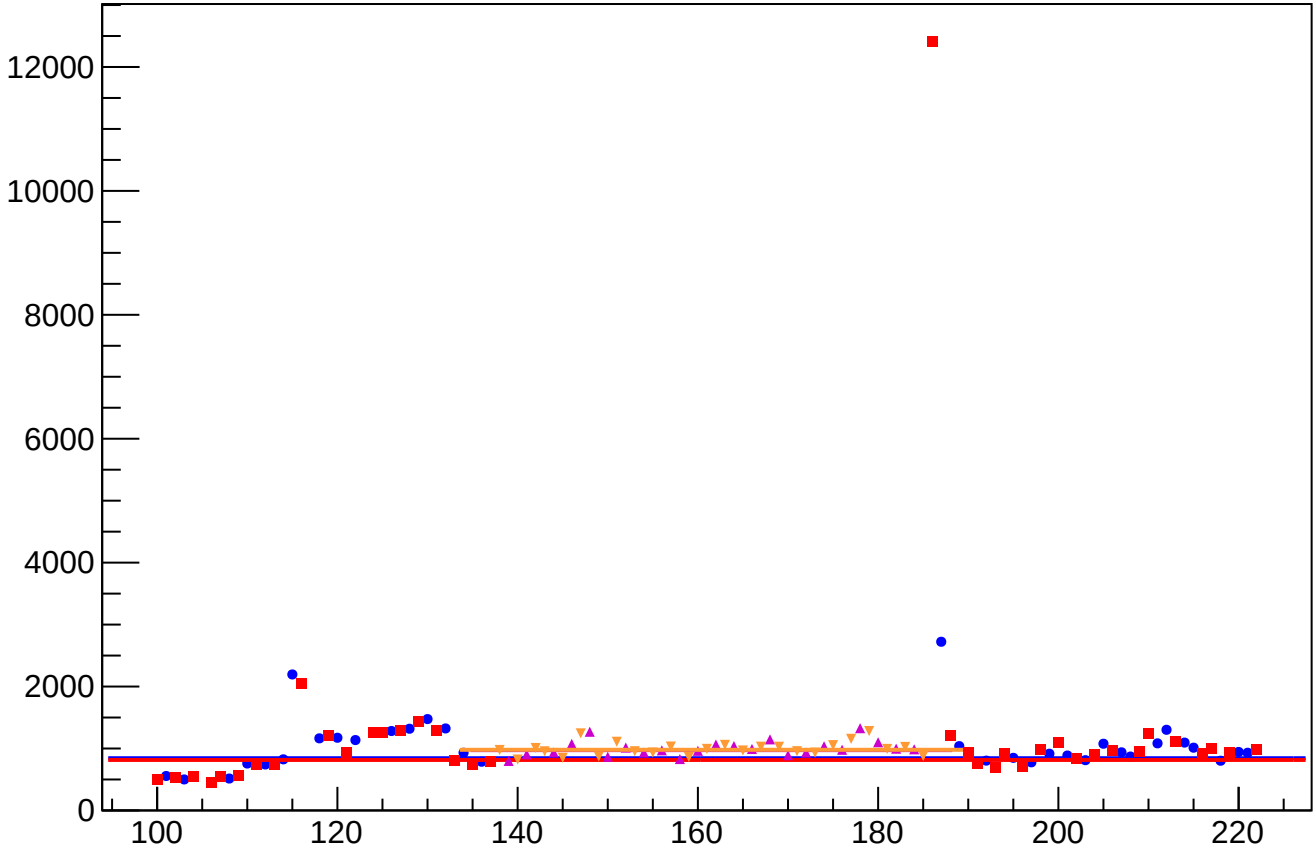
Right: 400.922+/-130.495 χ^2/NDF: 123.1/71

In: -78.579+/-145.060 χ^2/NDF:64.6/56

Out: 423.005+/-141.463 χ^2/NDF:113.5/62

All: 178.510+/-101.277 χ^2/NDF: 184.2/119

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 842.851+/-0.132 χ^2/NDF: 2912852.7/33

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 815.332+/-0.129 χ^2/NDF: 4018495.6/37

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

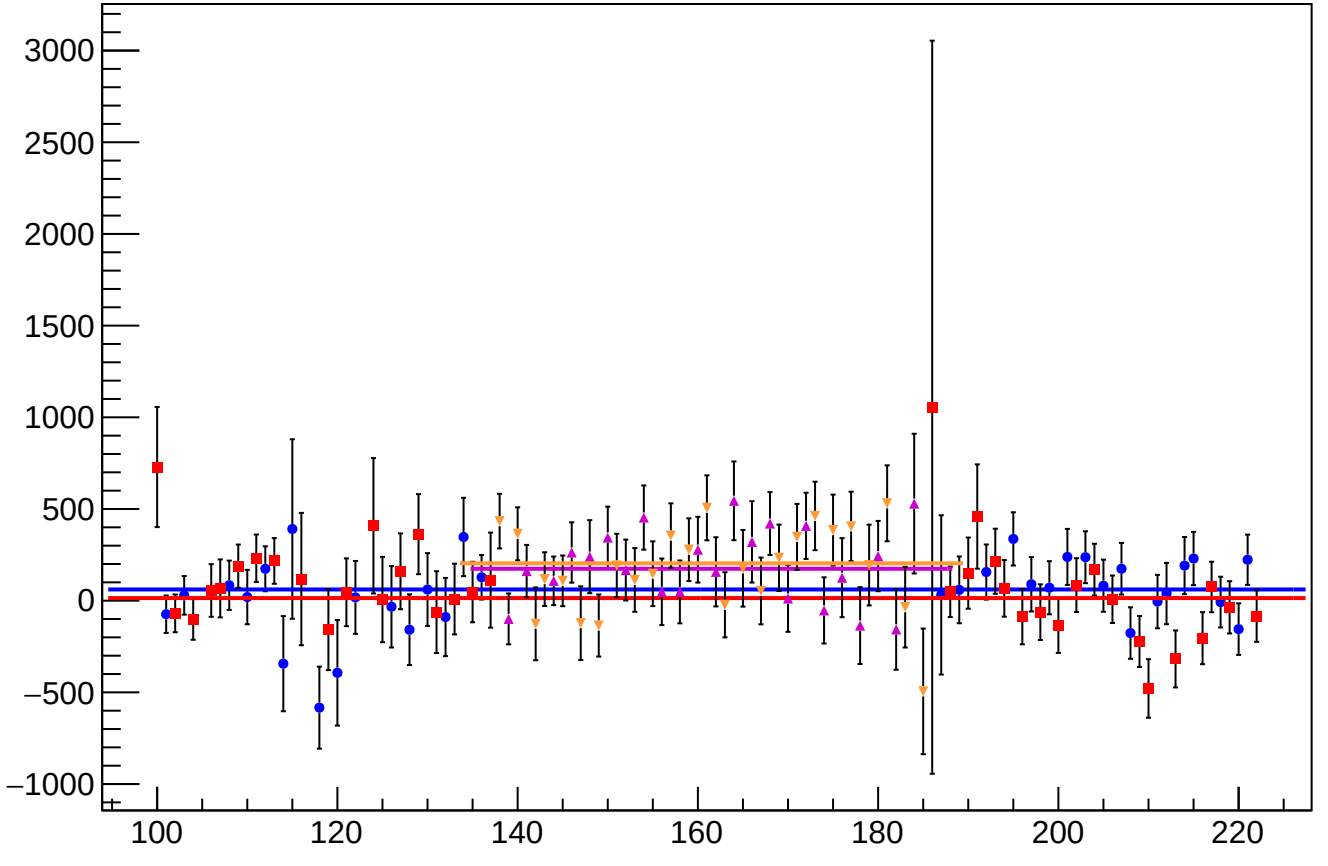
Right: 828.727+/-0.092 χ^2/NDF: 6953568.4/71

In: 895.043+/-0.103 χ^2/NDF:3802237.0/56

Out: 880.330+/-0.100 χ^2/NDF:5089976.7/62

All: 887.502+/-0.072 χ^2/NDF: 8902758.7/119

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: 14.198+/-25.945 χ^2/NDF: 47.6/37

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

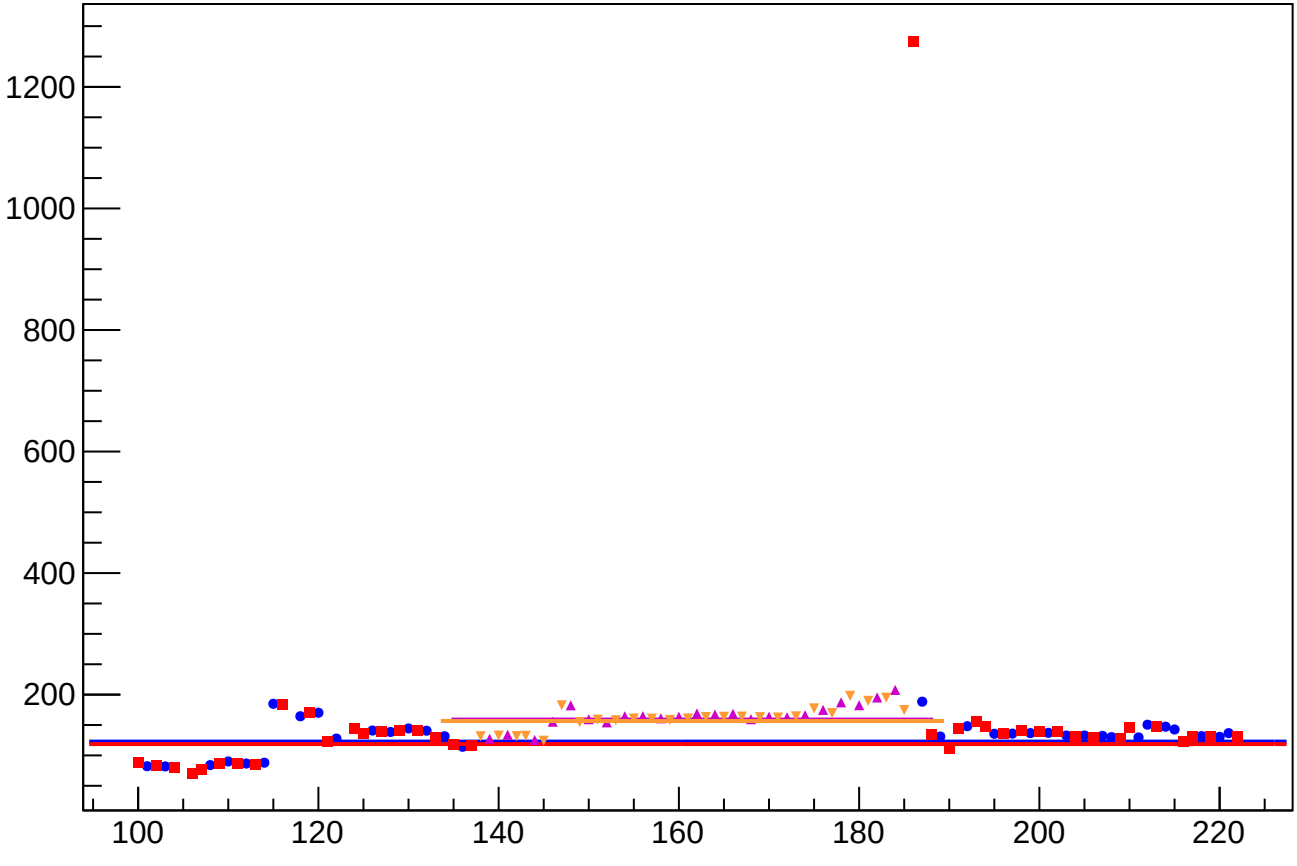
Right: 37.019+/-18.598 χ^2/NDF: 86.5/71

In: 99.178+/-21.718 χ^2/NDF:67.9/56

Out: 79.292+/-21.024 χ^2/NDF:98.8/62

All: 88.912+/-15.105 χ^2/NDF: 167.1/119

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: 118.656+/-0.018 χ^2/NDF: 2783934.3/37

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

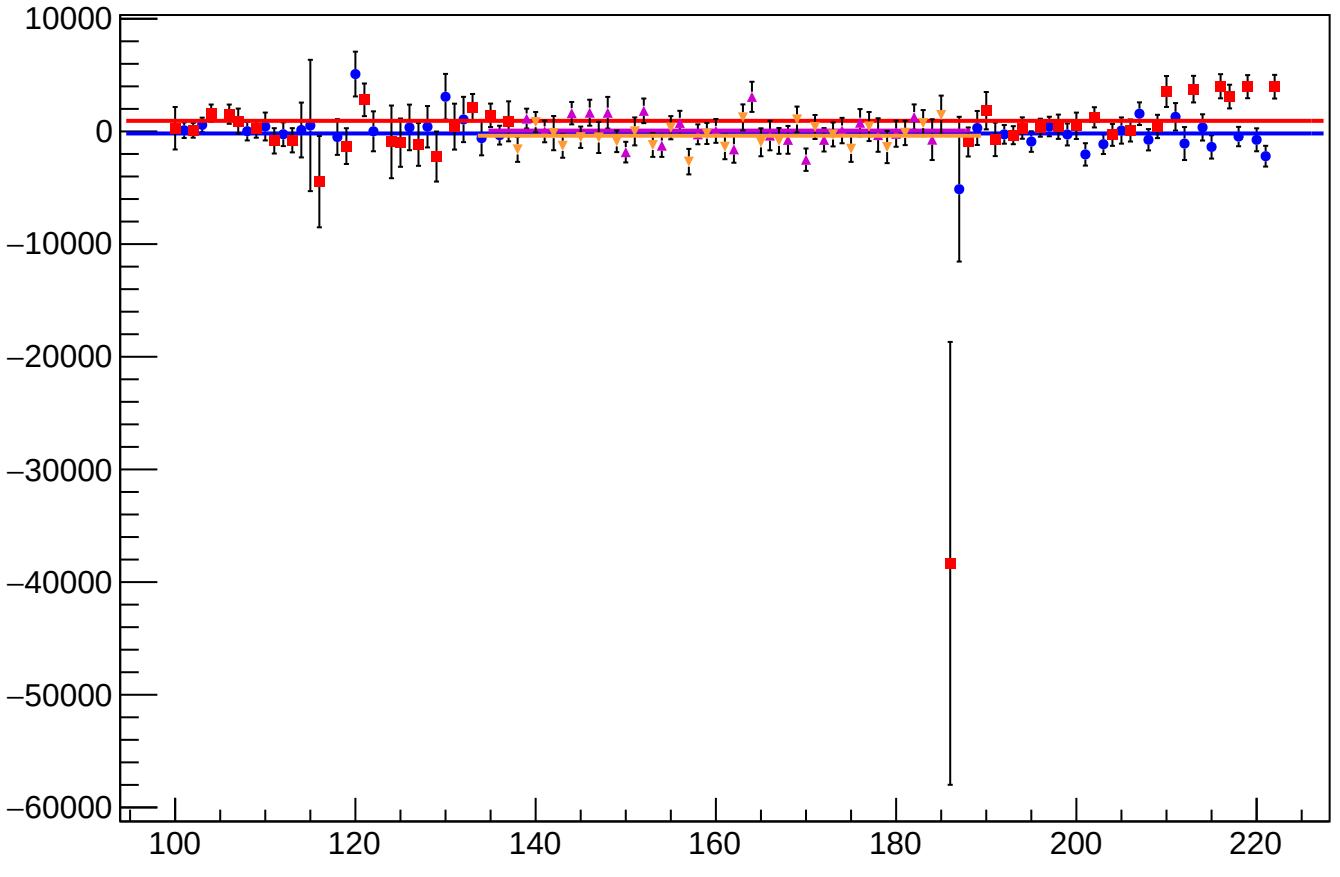
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.624+/-0.013 χ^2/NDF: 4522340.6/71

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 131.698+/-0.015 χ^2/NDF:4838115.1/62

All: 133.259+/-0.011 χ^2/NDF: 8331894.6/119



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: 940.316+/-182.208 χ^2/NDF: 73.1/37

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

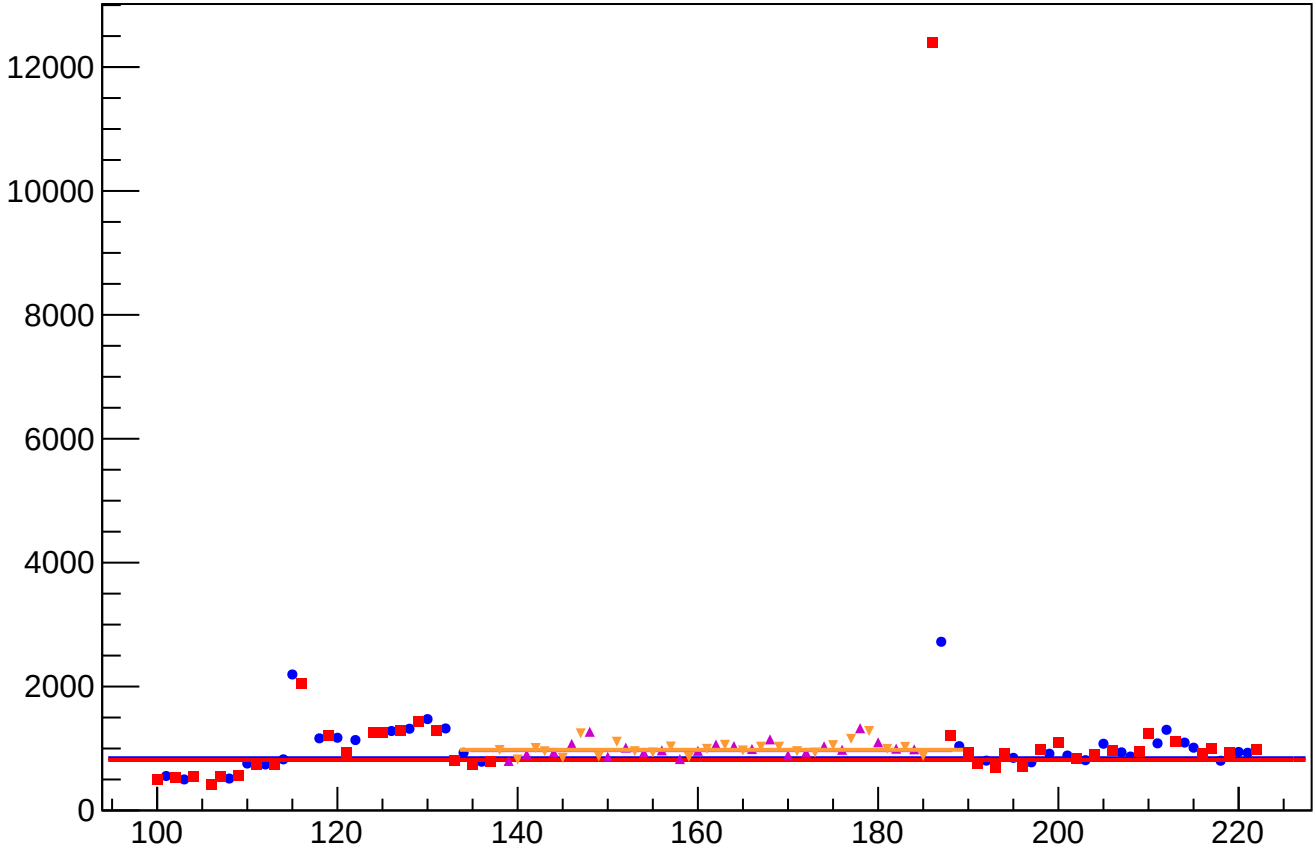
Right: 394.840+/-130.515 χ^2/NDF: 122.3/71

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 415.868+/-141.489 χ^2/NDF:112.7/62

All: 174.808+/-101.287 χ^2/NDF: 183.2/119

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 842.851+/-0.132 χ^2/NDF: 2912857.3/33

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 814.440+/-0.129 χ^2/NDF: 4064280.8/37

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

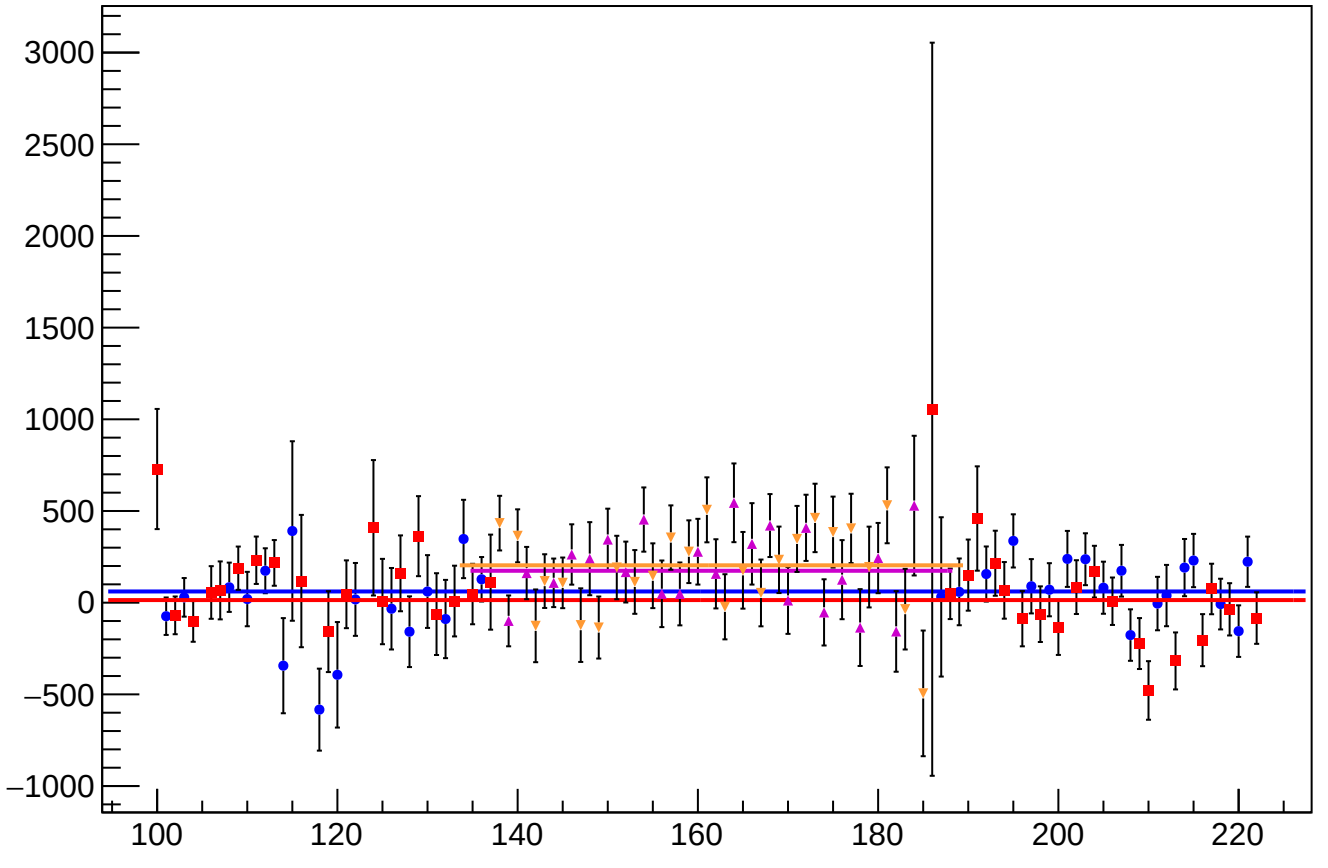
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 828.274+/-0.092 χ^2/NDF: 7000814.2/71

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 879.817+/-0.100 χ^2/NDF:5142612.4/62

All: 887.240+/-0.072 χ^2/NDF: 8956148.9/119


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 61.140+/-26.674 χ²/NDF: 37.4/33
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 14.198+/-25.945 χ²/NDF: 47.6/37
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 37.019+/-18.598 χ²/NDF: 86.5/71
In: 99.178+/-21.718 χ²/NDF:67.9/56
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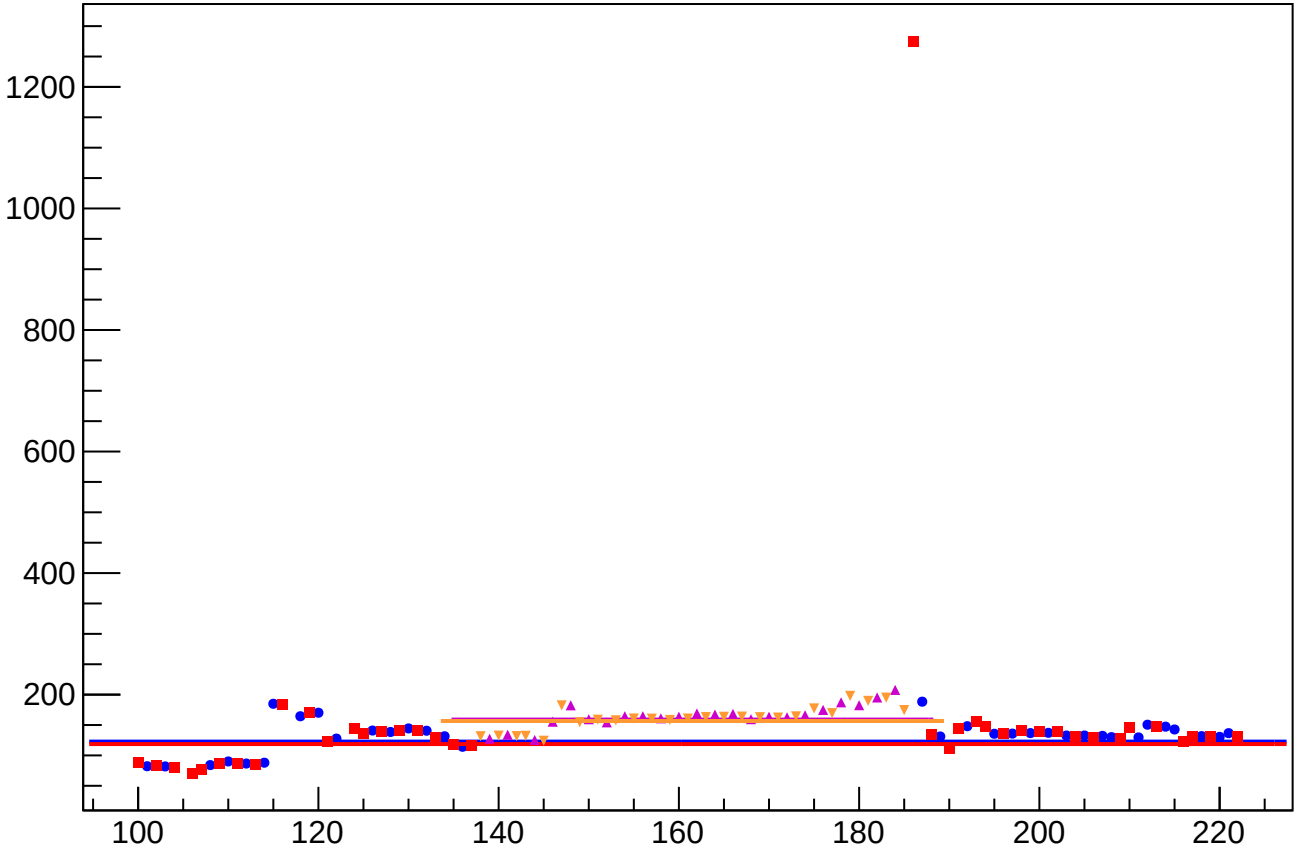
All: 88.912+/-15.105 χ²/NDF: 167.1/119

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: 118.656+/-0.018 χ^2/NDF: 2783934.3/37

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

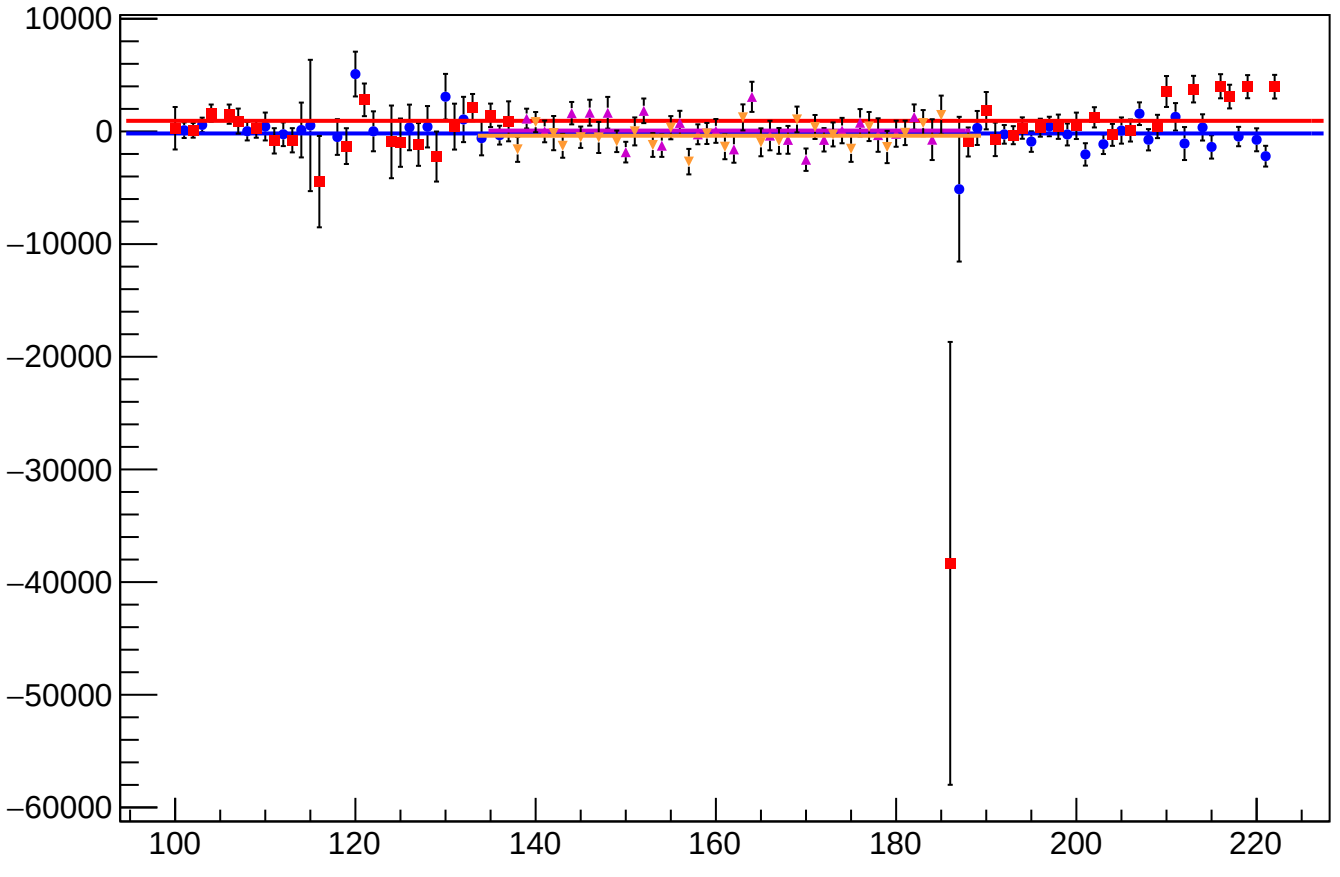
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.624+/-0.013 χ^2/NDF: 4522340.6/71

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 131.698+/-0.015 χ^2/NDF:4838115.1/62

All: 133.259+/-0.011 χ^2/NDF: 8331894.6/119



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: 940.316+/-182.208 χ^2/NDF: 73.1/37

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

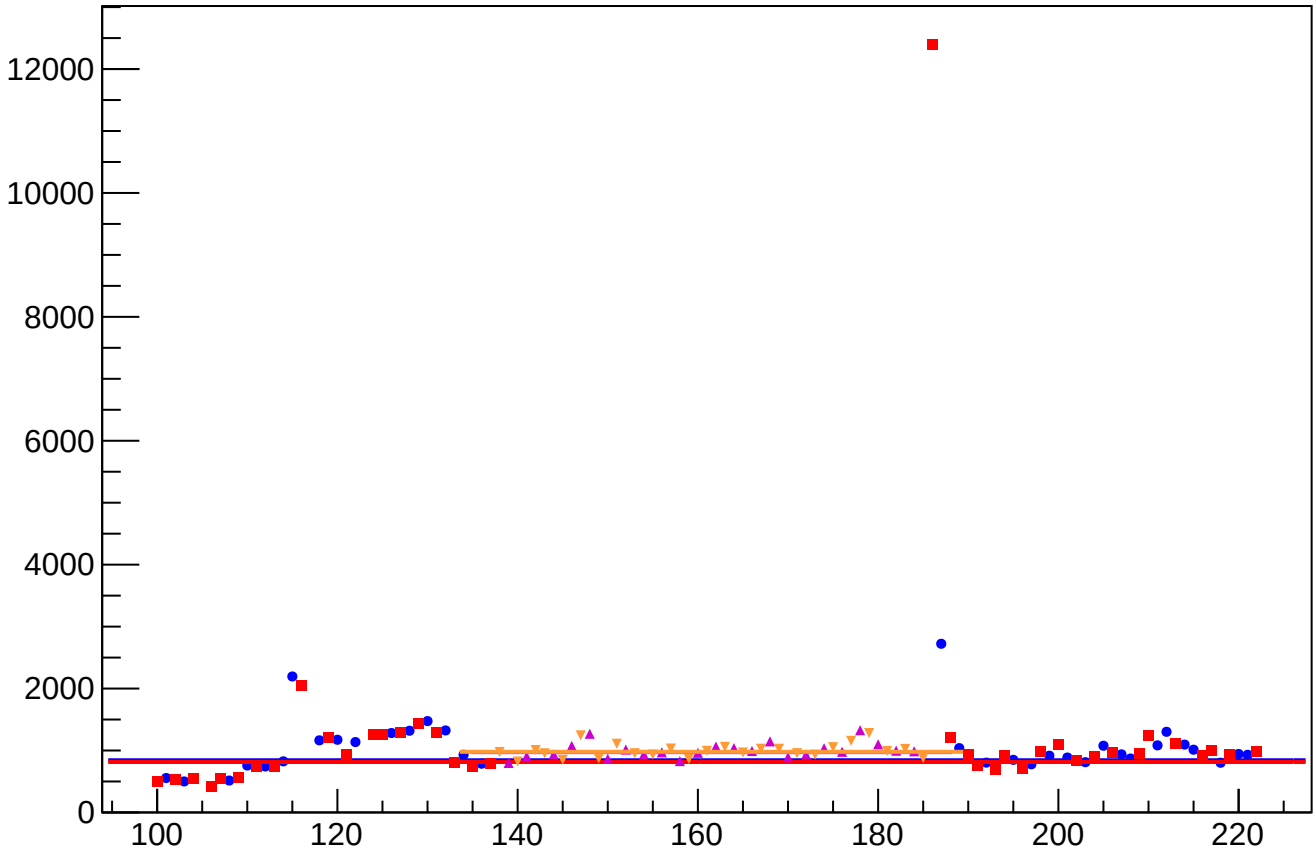
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 394.840+/-130.515 χ^2/NDF: 122.3/71

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 415.868+/-141.489 χ^2/NDF:112.7/62

All: 174.808+/-101.287 χ^2/NDF: 183.2/119



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: 814.440+/-0.129 χ^2/NDF: 4064280.8/37

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

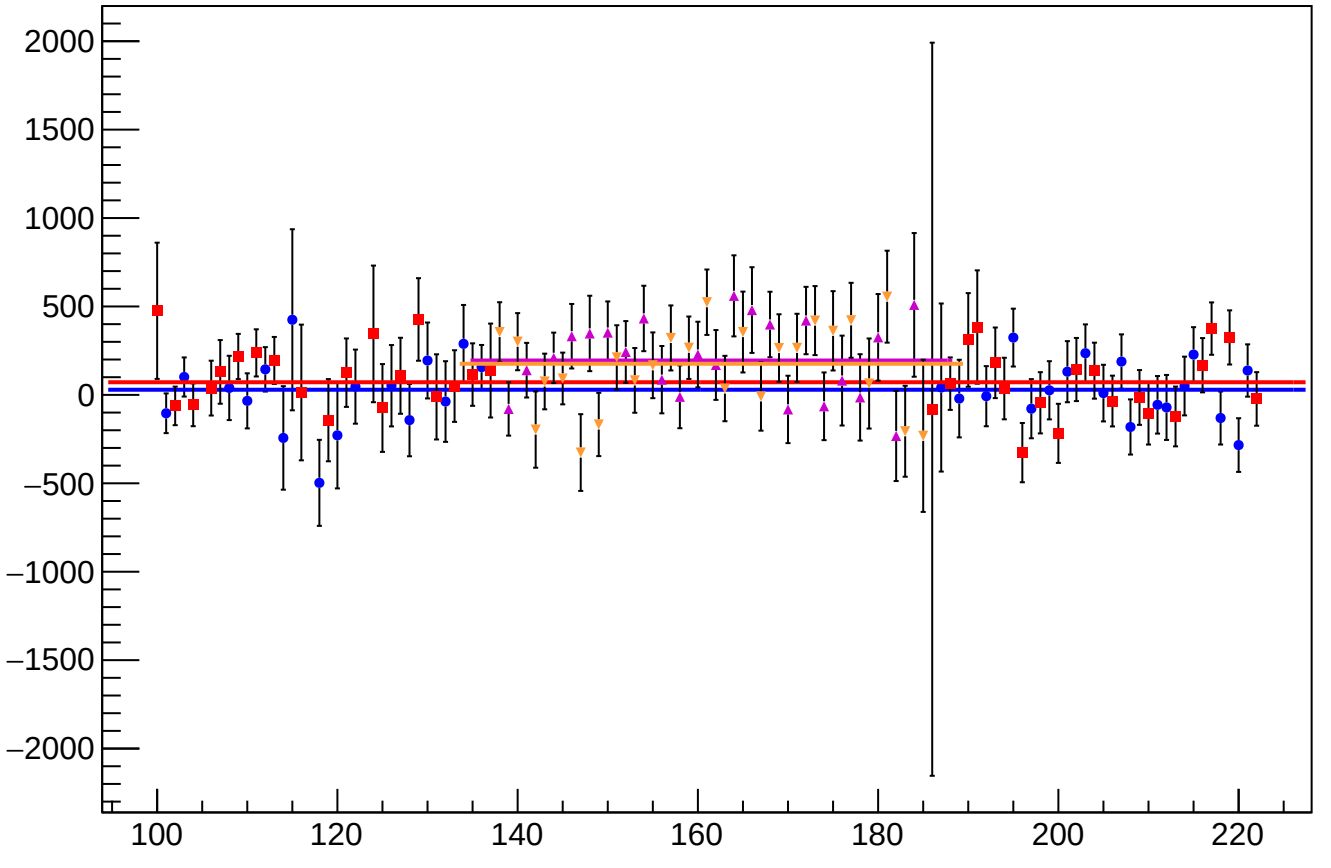
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 828.274+/-0.092 χ^2/NDF: 7000814.2/71

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 879.817+/-0.100 χ^2/NDF:5142612.4/62

All: 887.240+/-0.072 χ^2/NDF: 8956148.9/119



Right In: 29.074+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 71.498+/-28.345 χ^2/NDF: 34.4/37

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

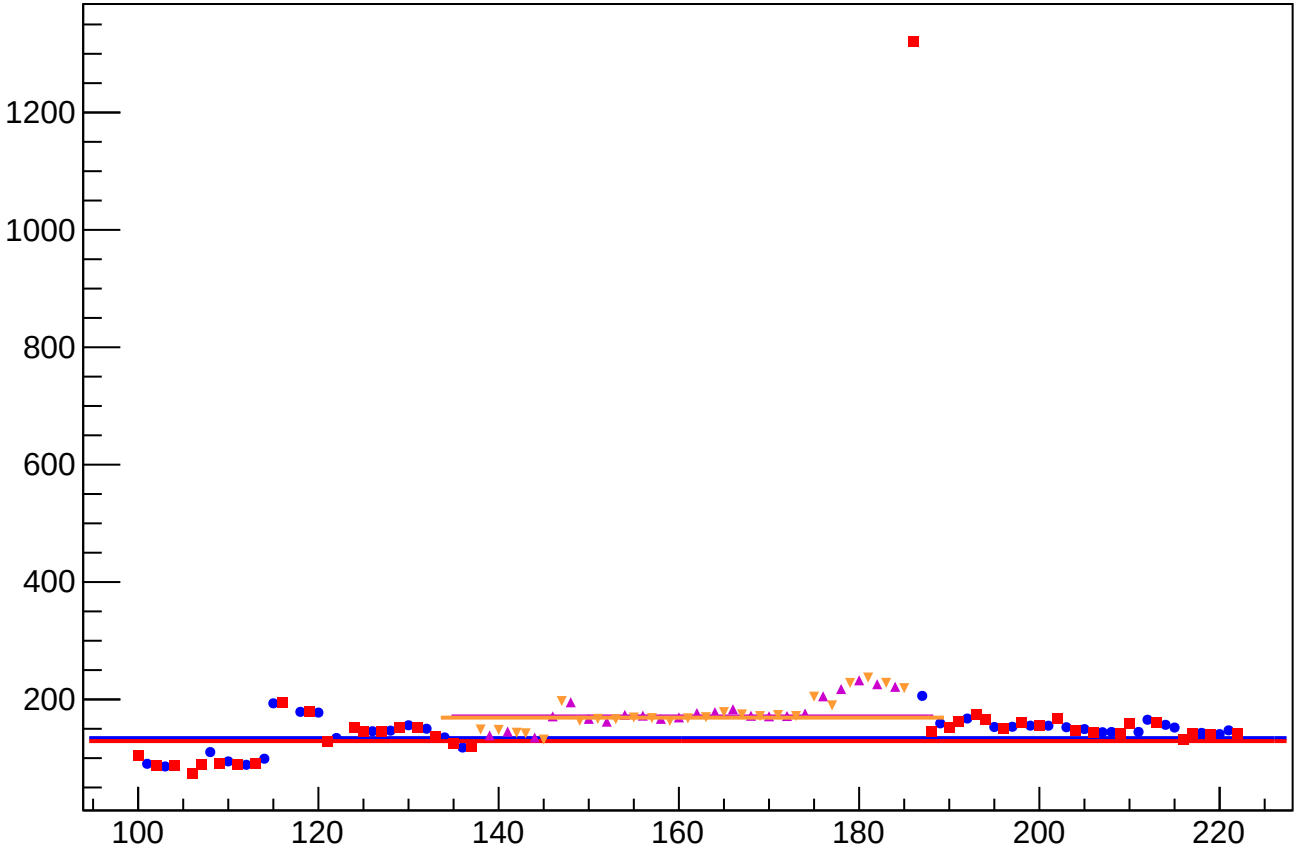
Right: 50.922+/-20.341 χ^2/NDF: 65.8/71

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 107.820+/-22.896 χ^2/NDF:69.9/62

All: 97.190+/-16.456 χ^2/NDF: 135.5/119

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 134.073+/-0.021 χ^2/NDF: 1836906.7/33

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 129.034+/-0.020 χ^2/NDF: 3039884.2/37

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

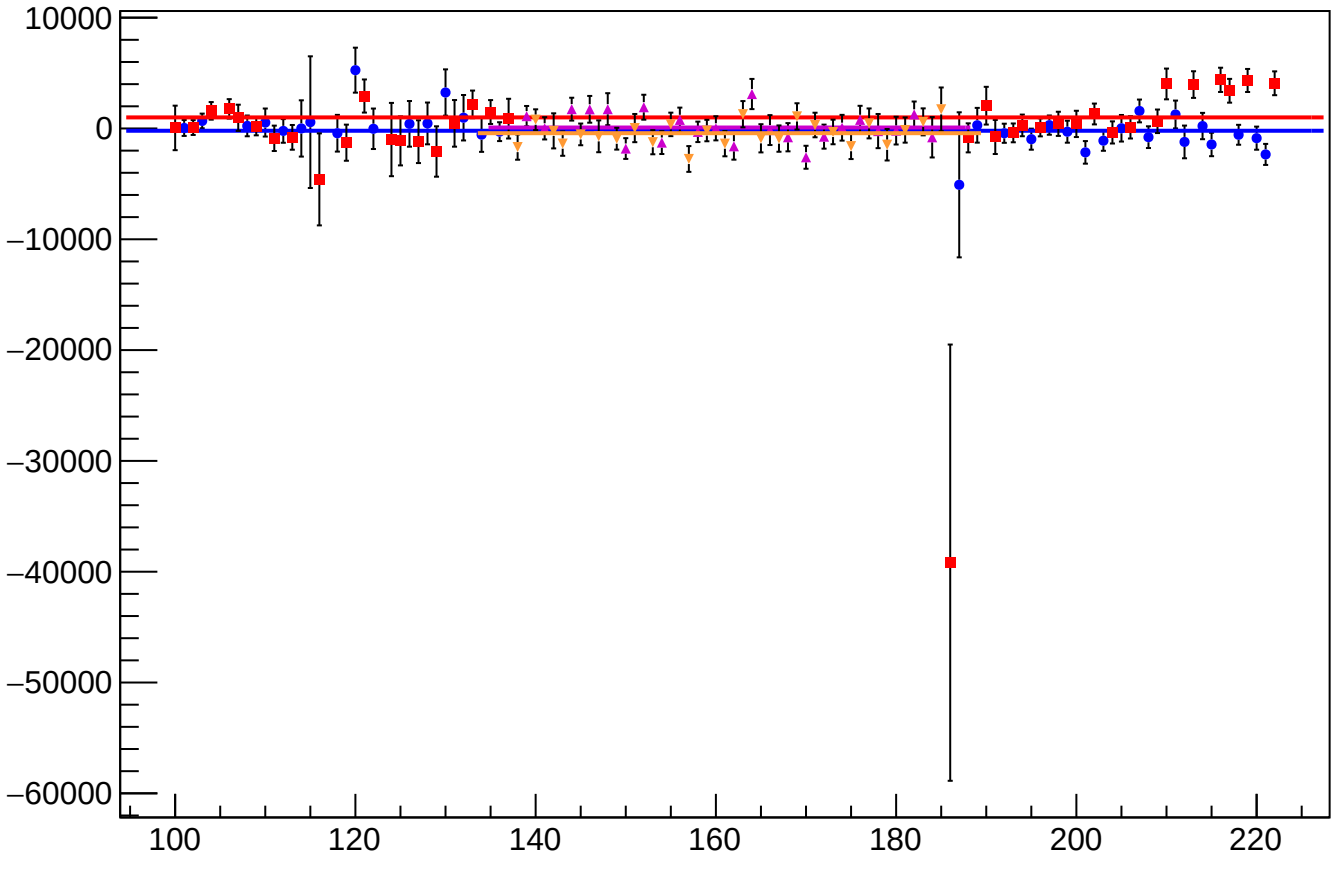
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 131.478+/-0.014 χ^2/NDF: 4907447.8/71

In: 146.763+/-0.017 χ^2/NDF:3614182.3/56

Out: 142.927+/-0.016 χ^2/NDF:5196320.8/62

All: 144.781+/-0.012 χ^2/NDF: 8837646.6/119



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: 998.861+/-187.691 χ^2/NDF: 80.3/37

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

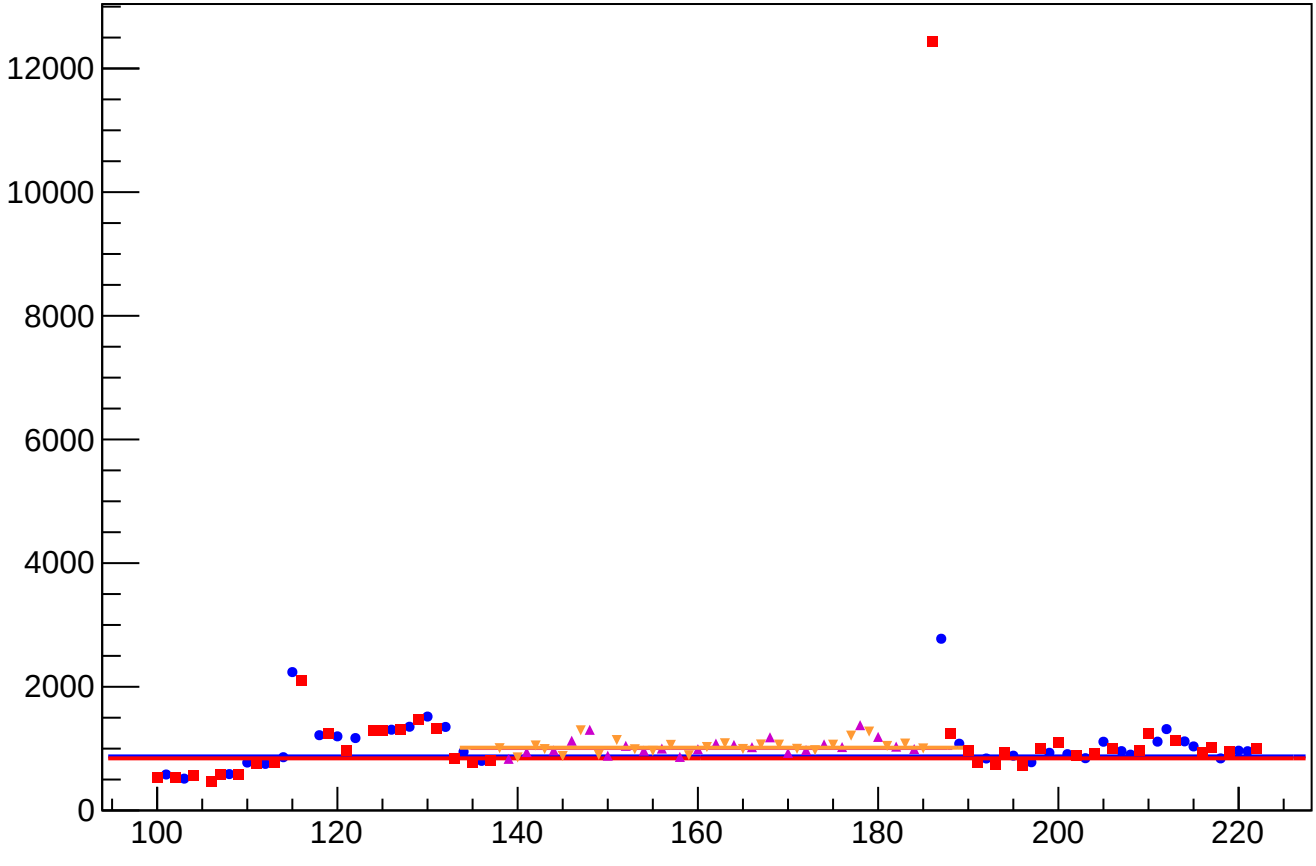
Right: 414.003+/-134.658 χ^2/NDF: 132.1/71

In: -90.046+/-150.086 χ^2/NDF:65.2/56

Out: 436.917+/-146.058 χ^2/NDF:121.4/62

All: 180.602+/-104.673 χ^2/NDF: 192.9/119

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



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: 842.689+/-0.133 χ^2/NDF: 3845995.8/37

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

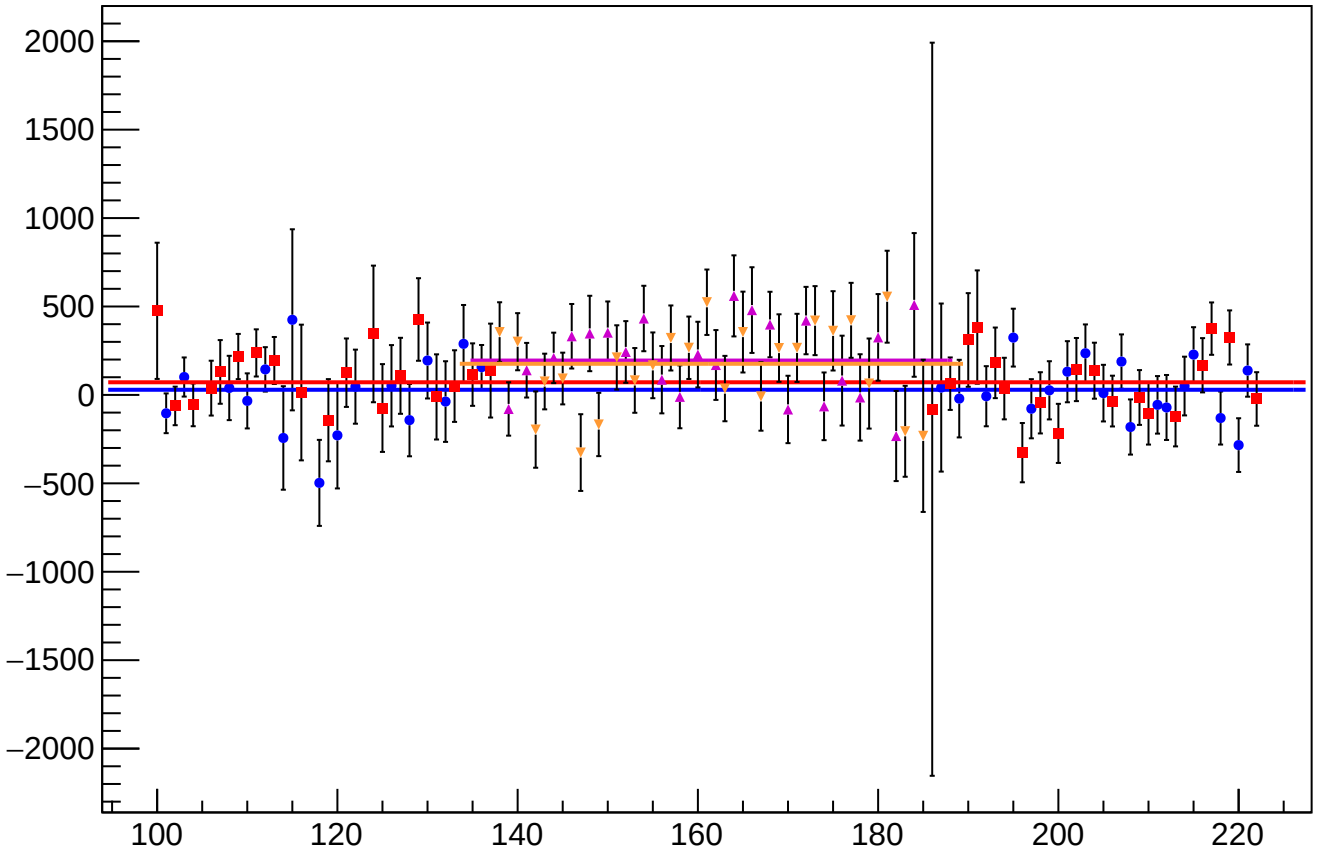
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 857.824+/-0.095 χ^2/NDF: 6598249.7/71

In: 927.809+/-0.106 χ^2/NDF:3616235.0/56

Out: 910.673+/-0.103 χ^2/NDF:4909199.4/62

All: 919.008+/-0.074 χ^2/NDF: 8538825.3/119



Right In: 29.075+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 71.496+/-28.345 χ^2/NDF: 34.4/37

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

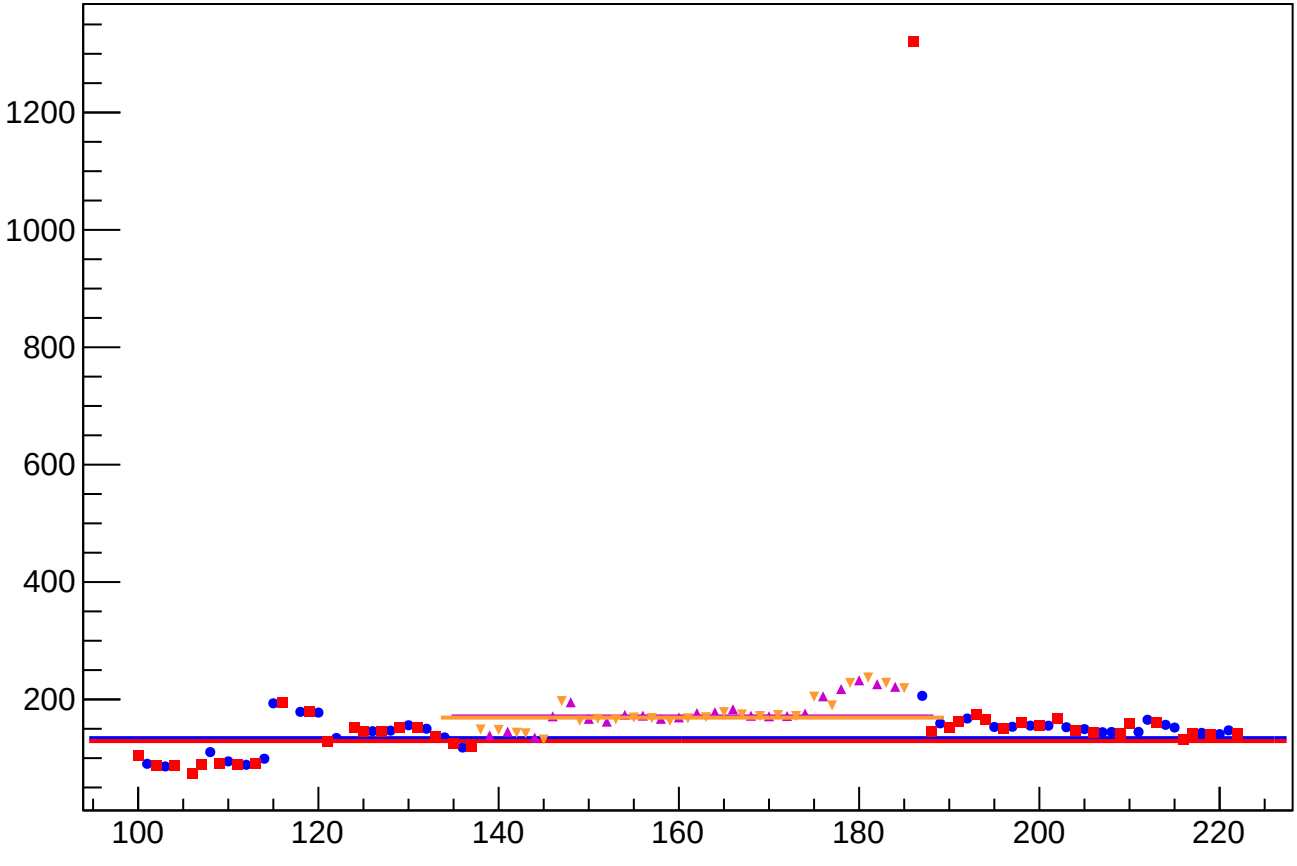
Right: 50.922+/-20.341 χ^2/NDF: 65.8/71

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 107.819+/-22.896 χ^2/NDF:69.9/62

All: 97.189+/-16.456 χ^2/NDF: 135.5/119

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 134.073+/-0.021 χ^2/NDF: 1836913.9/33

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 129.034+/-0.020 χ^2/NDF: 3039884.9/37

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

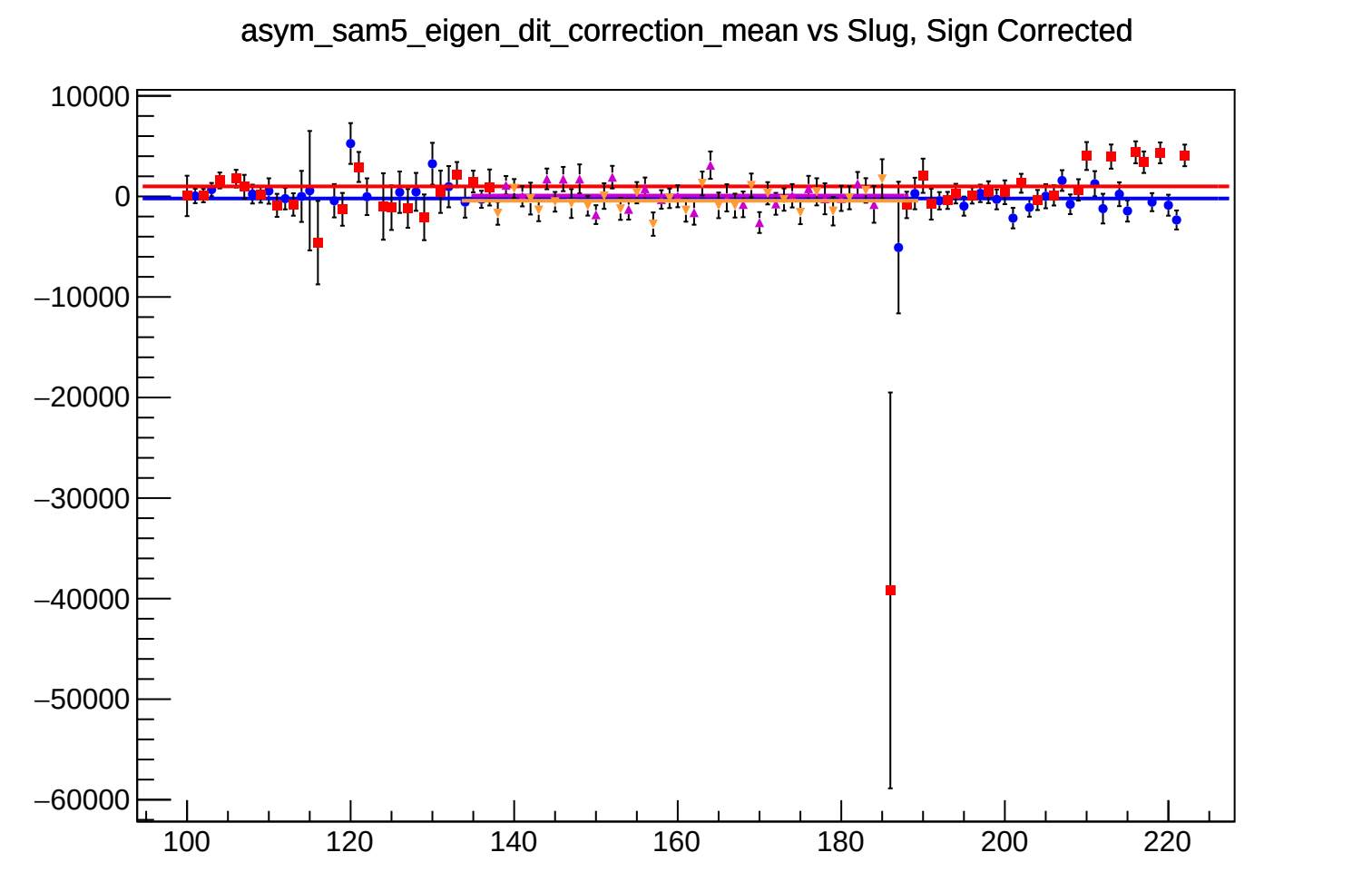
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 131.478+/-0.014 χ^2/NDF: 4907455.4/71

In: 146.763+/-0.017 χ^2/NDF:3614211.0/56

Out: 142.927+/-0.016 χ^2/NDF:5196333.8/62

All: 144.781+/-0.012 χ^2/NDF: 8837688.5/119



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: 998.862+/-187.691 χ^2/NDF: 80.3/37

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

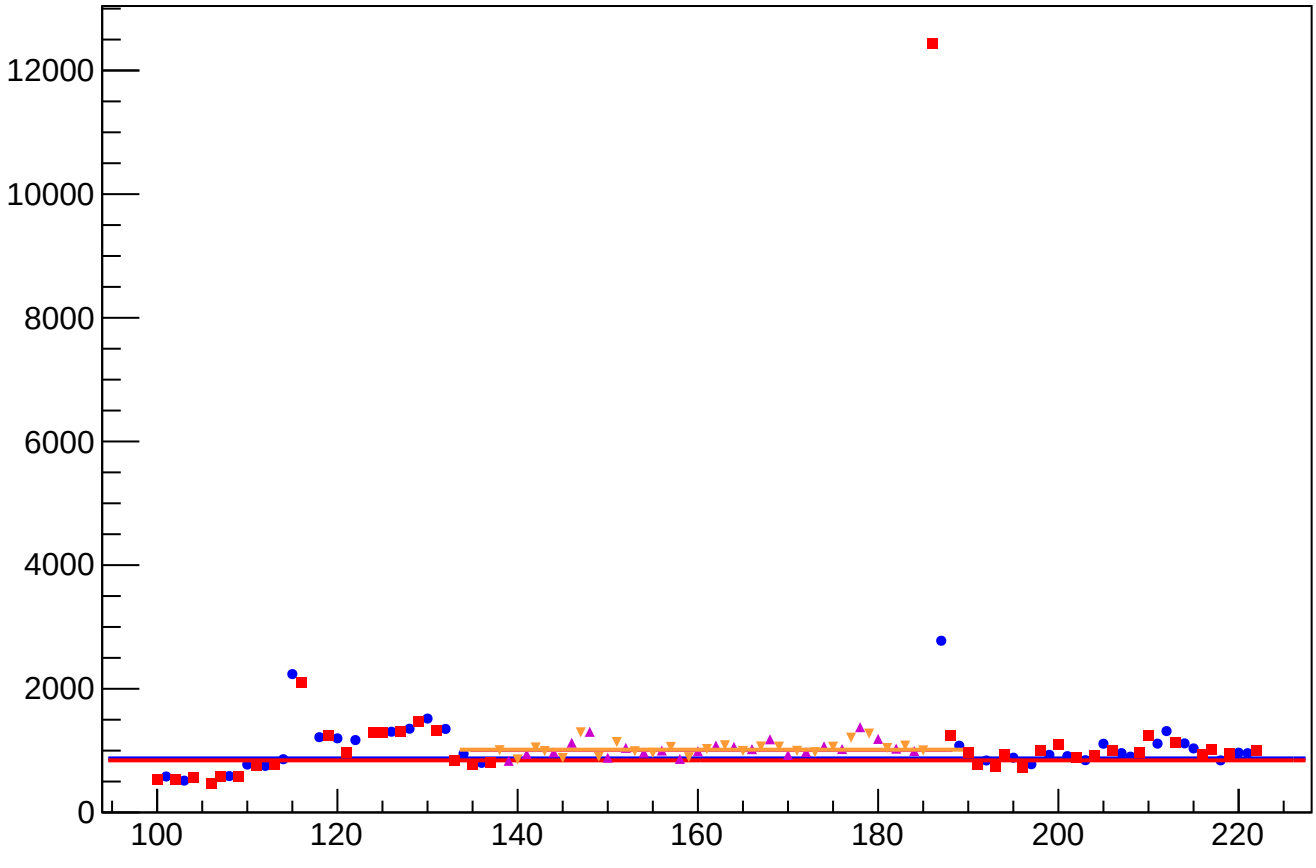
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 414.004+/-134.657 χ^2/NDF: 132.1/71

In: -90.045+/-150.086 χ^2/NDF:65.2/56

Out: 436.919+/-146.058 χ^2/NDF:121.4/62

All: 180.603+/-104.673 χ^2/NDF: 192.9/119



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: 842.688+/-0.133 χ^2/NDF: 3845997.6/37

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

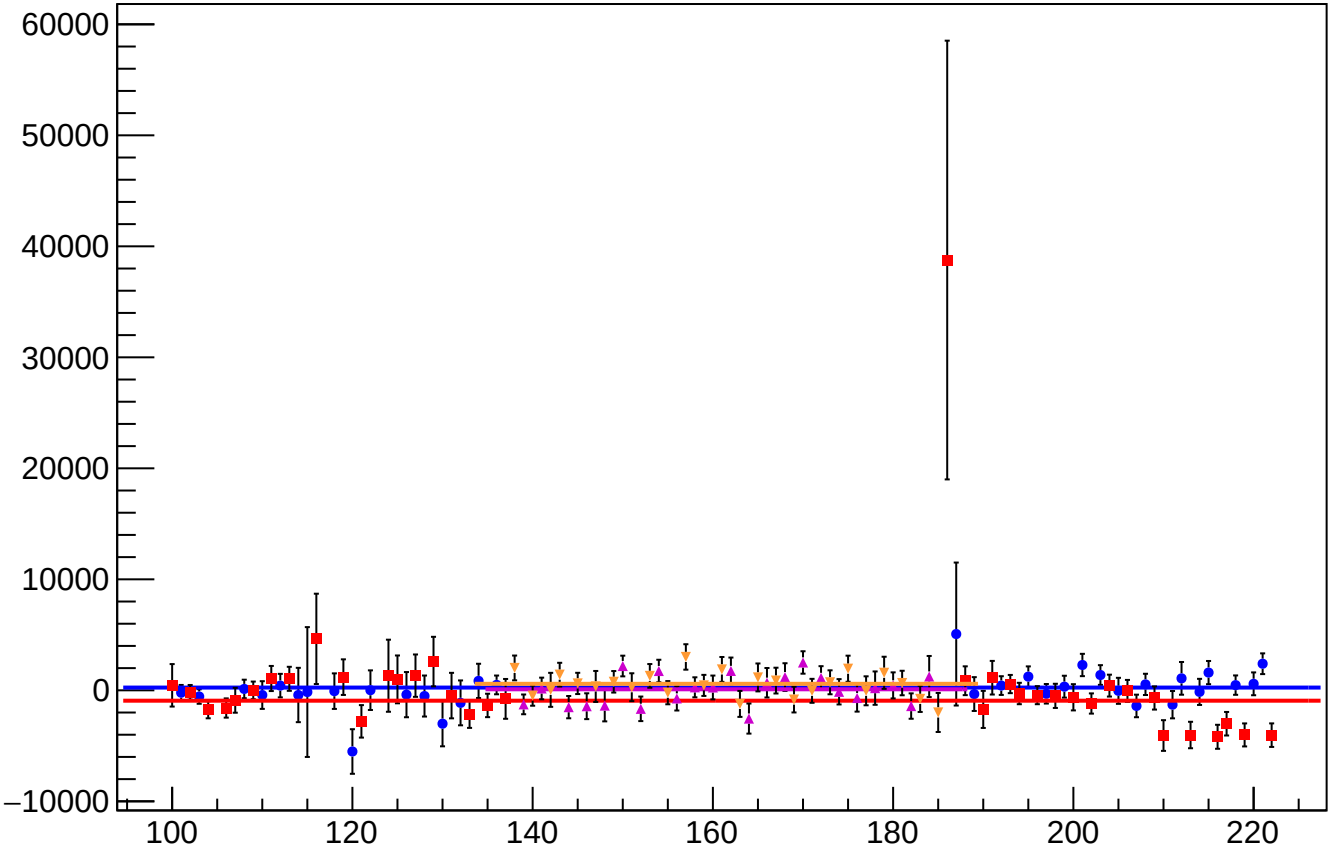
Right: 857.823+/-0.095 χ^2/NDF: 6598250.9/71

In: 927.809+/-0.106 χ^2/NDF:3616245.7/56

Out: 910.673+/-0.103 χ^2/NDF:4909212.8/62

All: 919.008+/-0.074 χ^2/NDF: 8538849.5/119

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: -934.283+/-184.388 χ^2/NDF: 80.4/37

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

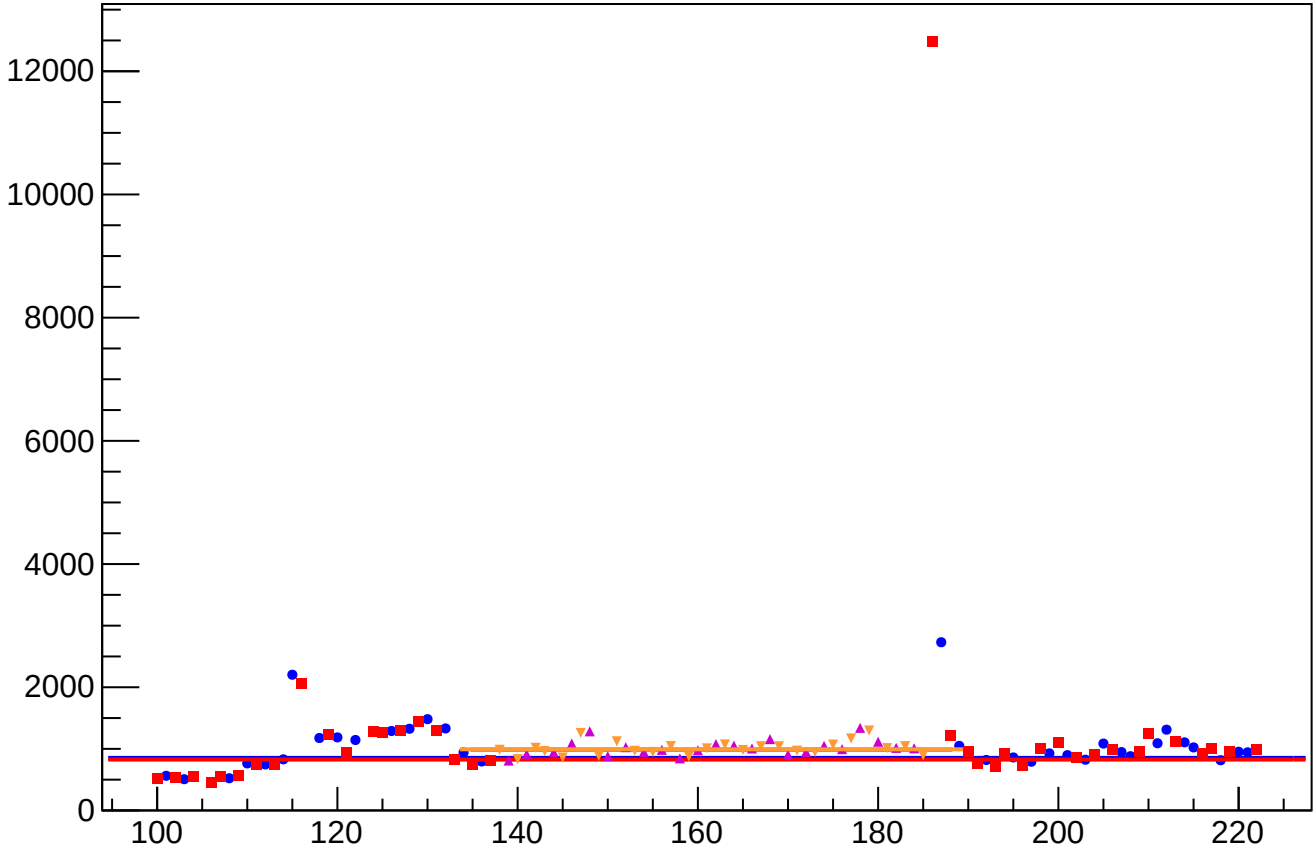
Right: -358.370+/-132.068 χ^2/NDF: 134.6/71

In: 186.465+/-146.905 χ^2/NDF:69.0/56

Out: -331.740+/-143.268 χ^2/NDF:128.1/62

All: -79.131+/-102.567 χ^2/NDF: 203.5/119

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: 825.841+/-0.130 χ^2/NDF: 3973382.3/37

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

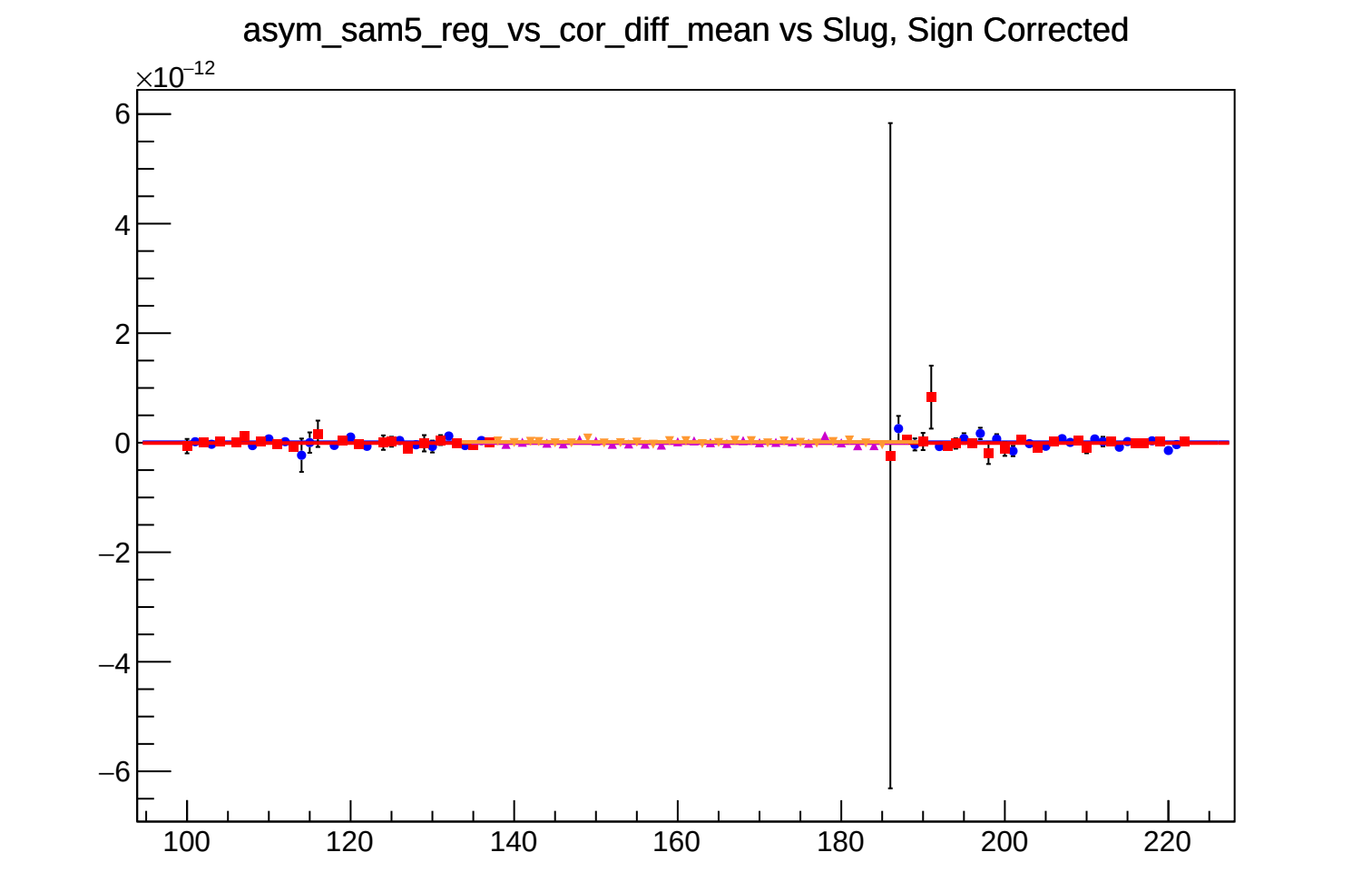
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 839.275+/-0.093 χ^2/NDF: 6870371.2/71

In: 906.828+/-0.104 χ^2/NDF:3763569.2/56

Out: 891.906+/-0.101 χ^2/NDF:5046145.4/62

All: 899.180+/-0.073 χ^2/NDF: 8820290.9/119



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: 25.6/37

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

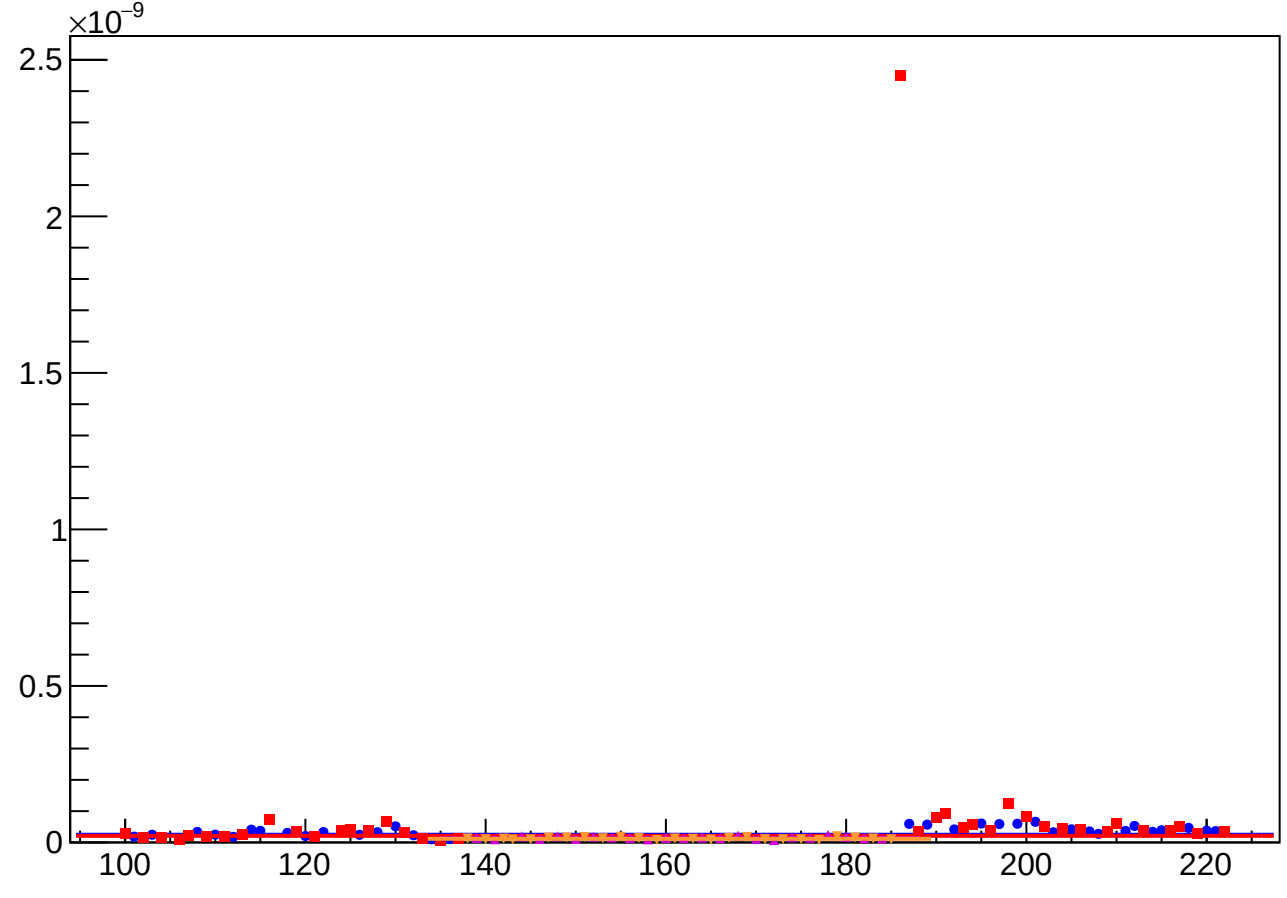
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 68.5/71

In: 0.000+/-0.000 χ^2/NDF:70.7/56

Out: 0.000+/-0.000 χ^2/NDF:53.2/62

All: 0.000+/-0.000 χ^2/NDF: 125.8/119



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: 7232403.3/37

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

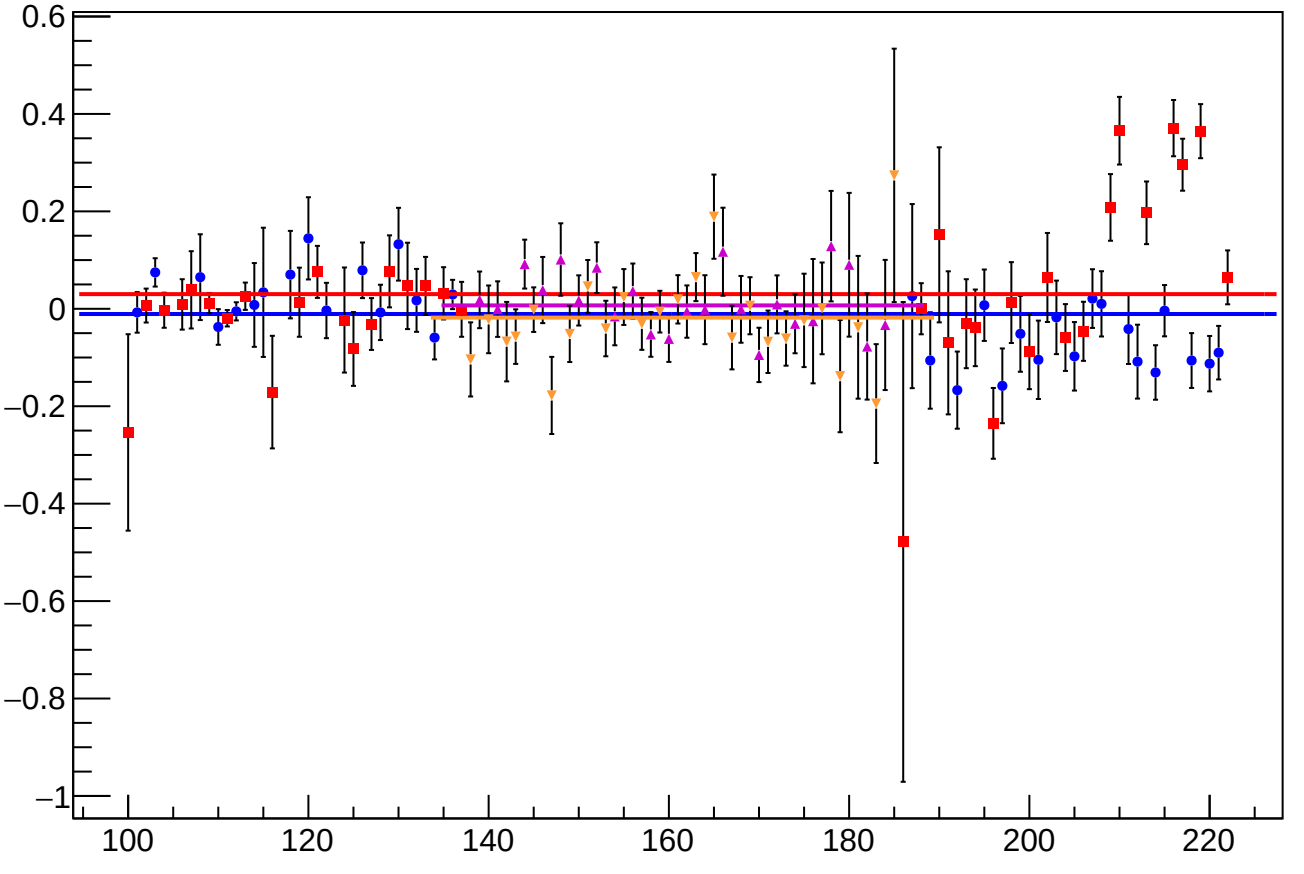
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12099627.4/71

In: 0.000+/-0.000 χ^2/NDF:7902508.2/56

Out: 0.000+/-0.000 χ^2/NDF:10009962.4/62

All: 0.000+/-0.000 χ^2/NDF: 18238044.9/119



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: 0.030+/-0.008 χ^2/NDF: 177.1/37

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

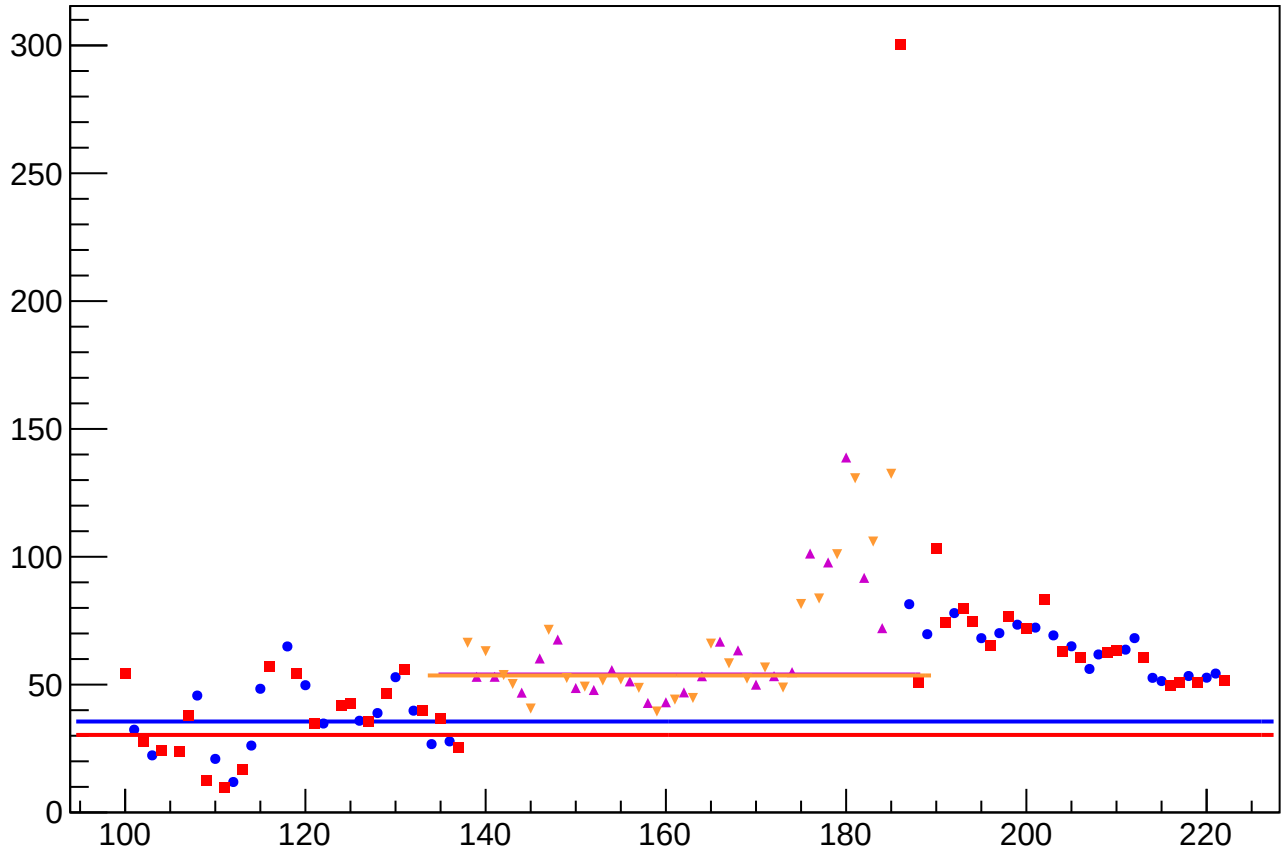
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 239.2/71

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:211.7/62

All: 0.006+/-0.005 χ^2/NDF: 286.7/119



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 30.323+/-0.006 χ^2/NDF: 14223025.6/37

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

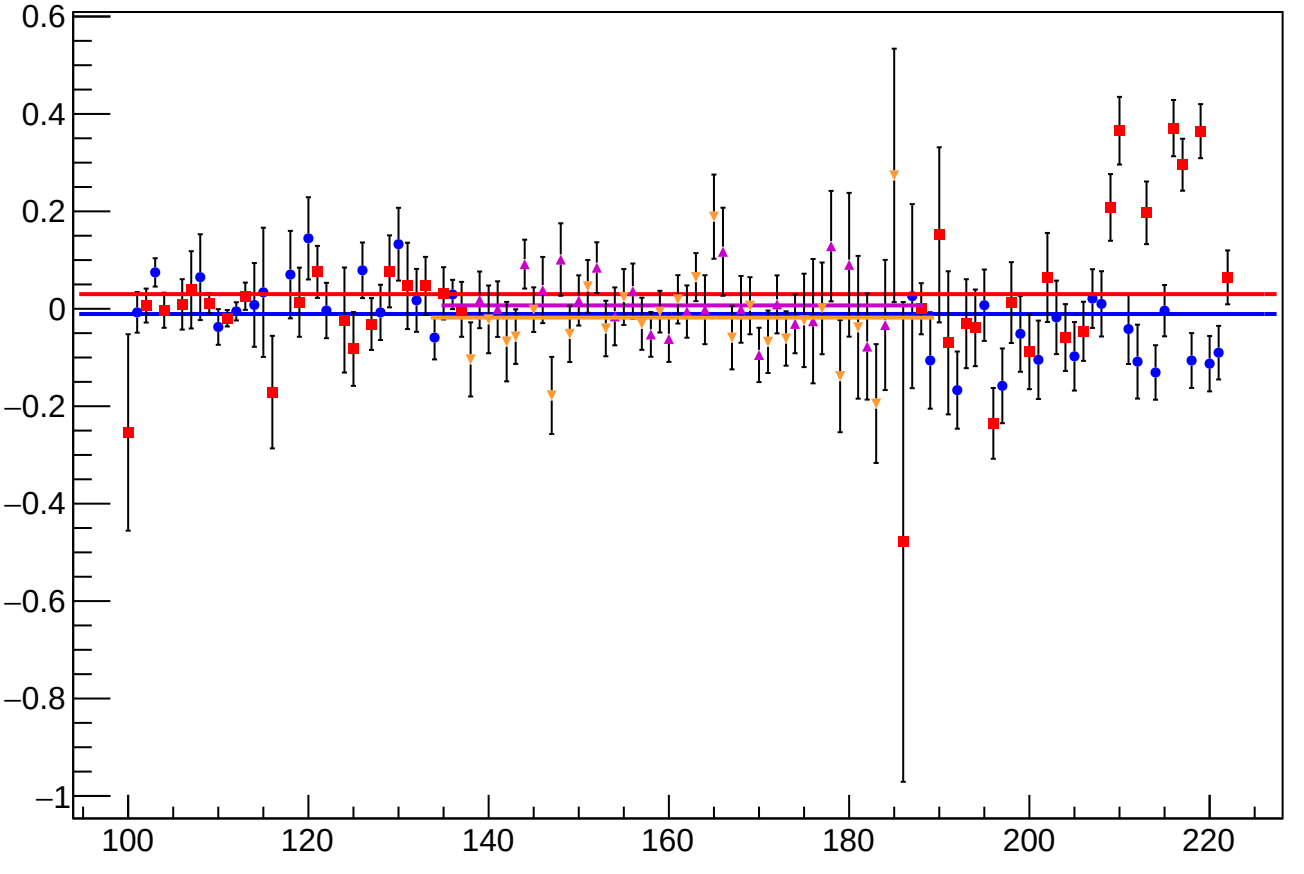
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.690+/-0.004 χ^2/NDF: 24821965.2/71

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 36.880+/-0.005 χ^2/NDF:21607152.7/62

All: 38.907+/-0.004 χ^2/NDF: 36925373.1/119



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: 0.030+/-0.008 χ^2/NDF: 177.1/37

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

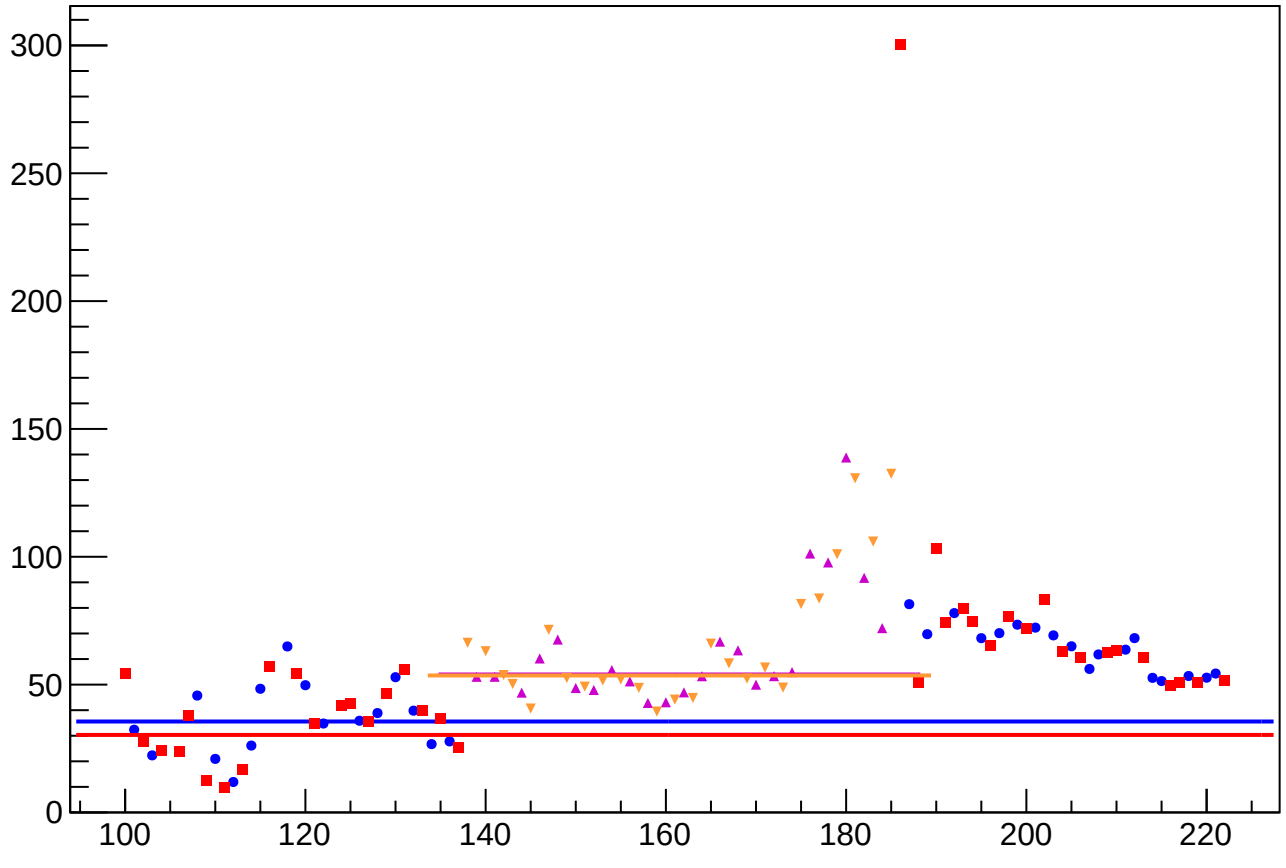
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 239.2/71

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:211.7/62

All: 0.006+/-0.005 χ^2/NDF: 286.7/119



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 30.323+/-0.006 χ^2/NDF: 14223025.6/37

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

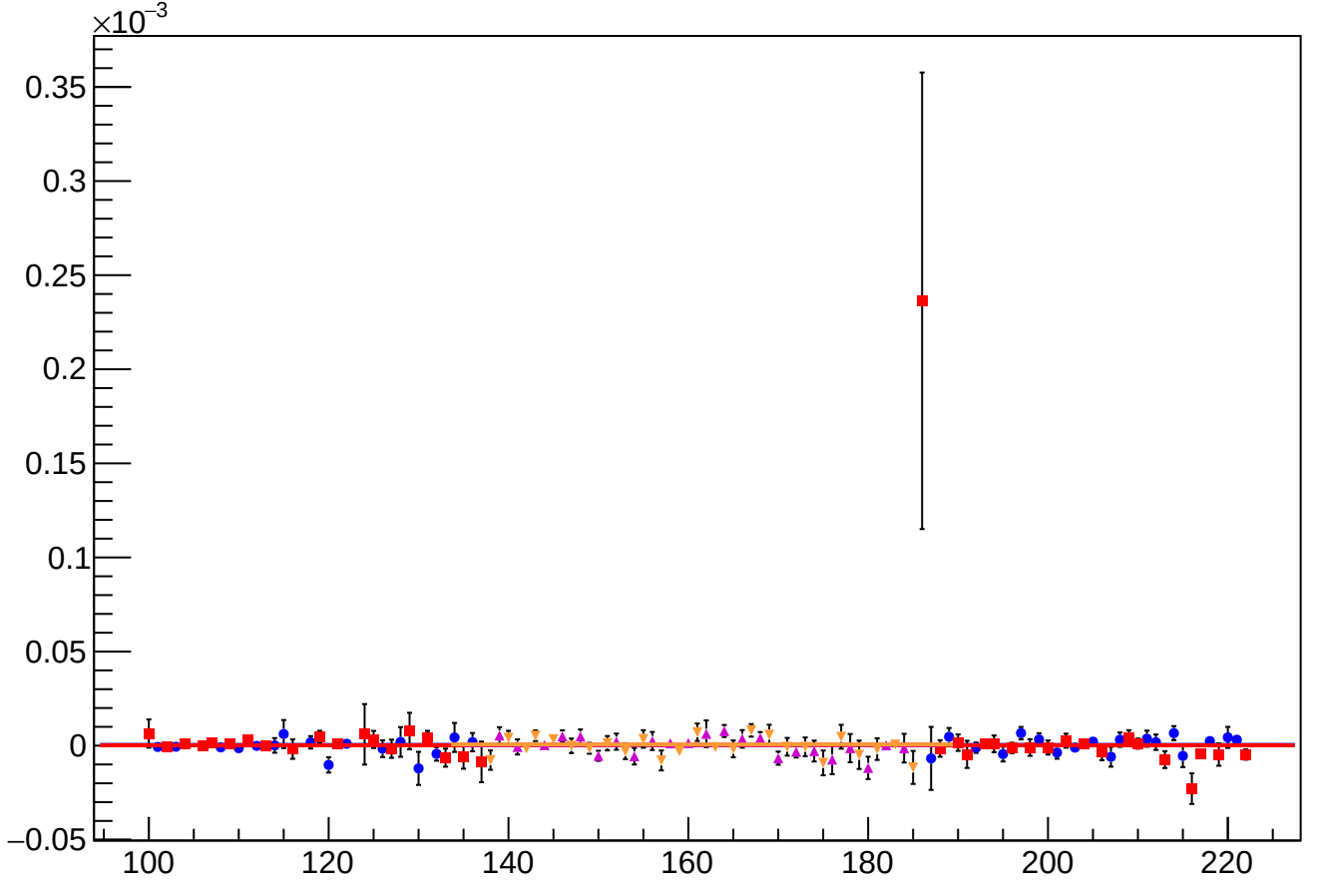
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.690+/-0.004 χ^2/NDF: 24821965.2/71

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 36.880+/-0.005 χ^2/NDF:21607152.7/62

All: 38.907+/-0.004 χ^2/NDF: 36925373.1/119



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: 40.4/37

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

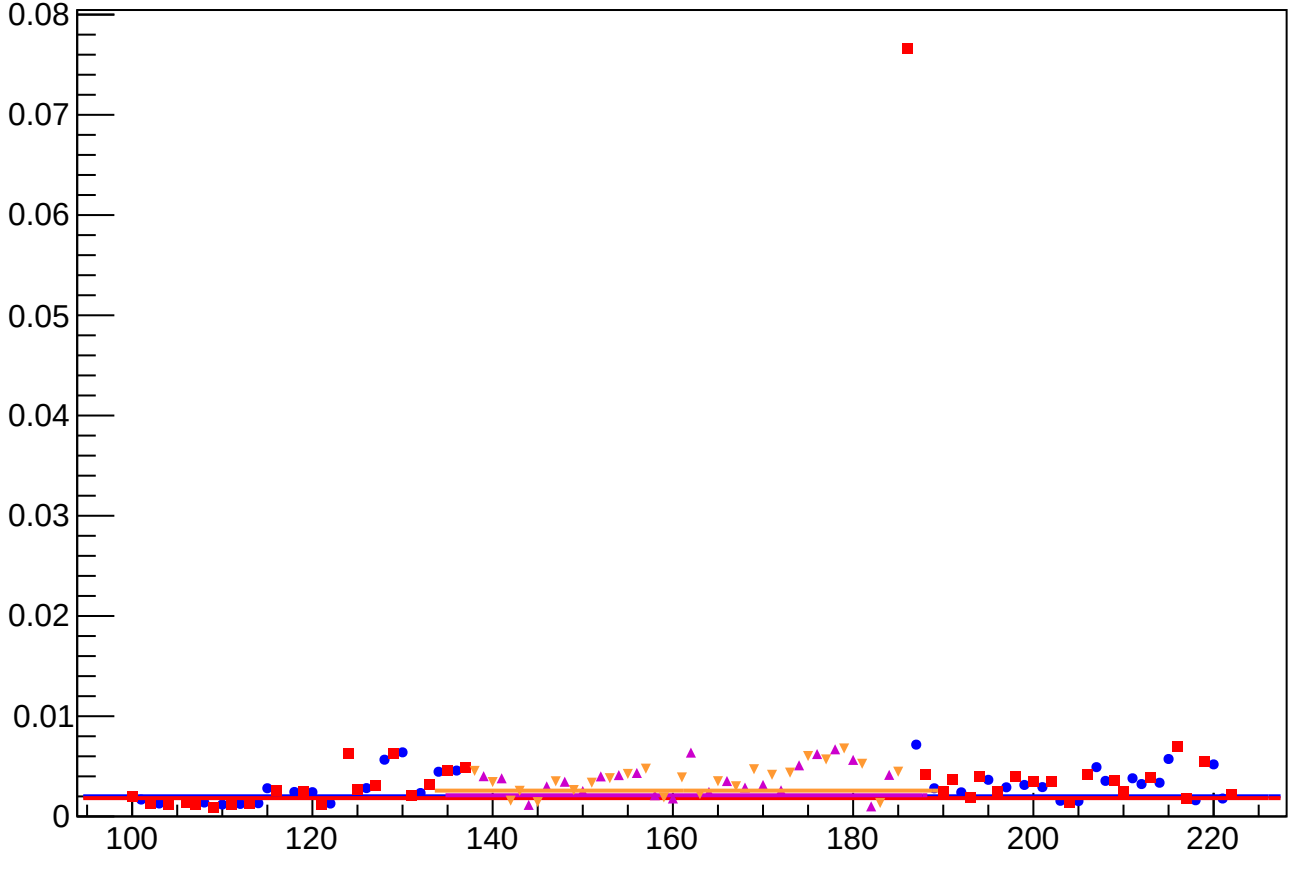
Right: 0.000+/-0.000 χ^2/NDF: 74.9/71

In: 0.000+/-0.000 χ^2/NDF:65.3/56

Out: 0.000+/-0.000 χ^2/NDF:71.7/62

All: 0.000+/-0.000 χ^2/NDF: 137.0/119

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: 10639026.4/37

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

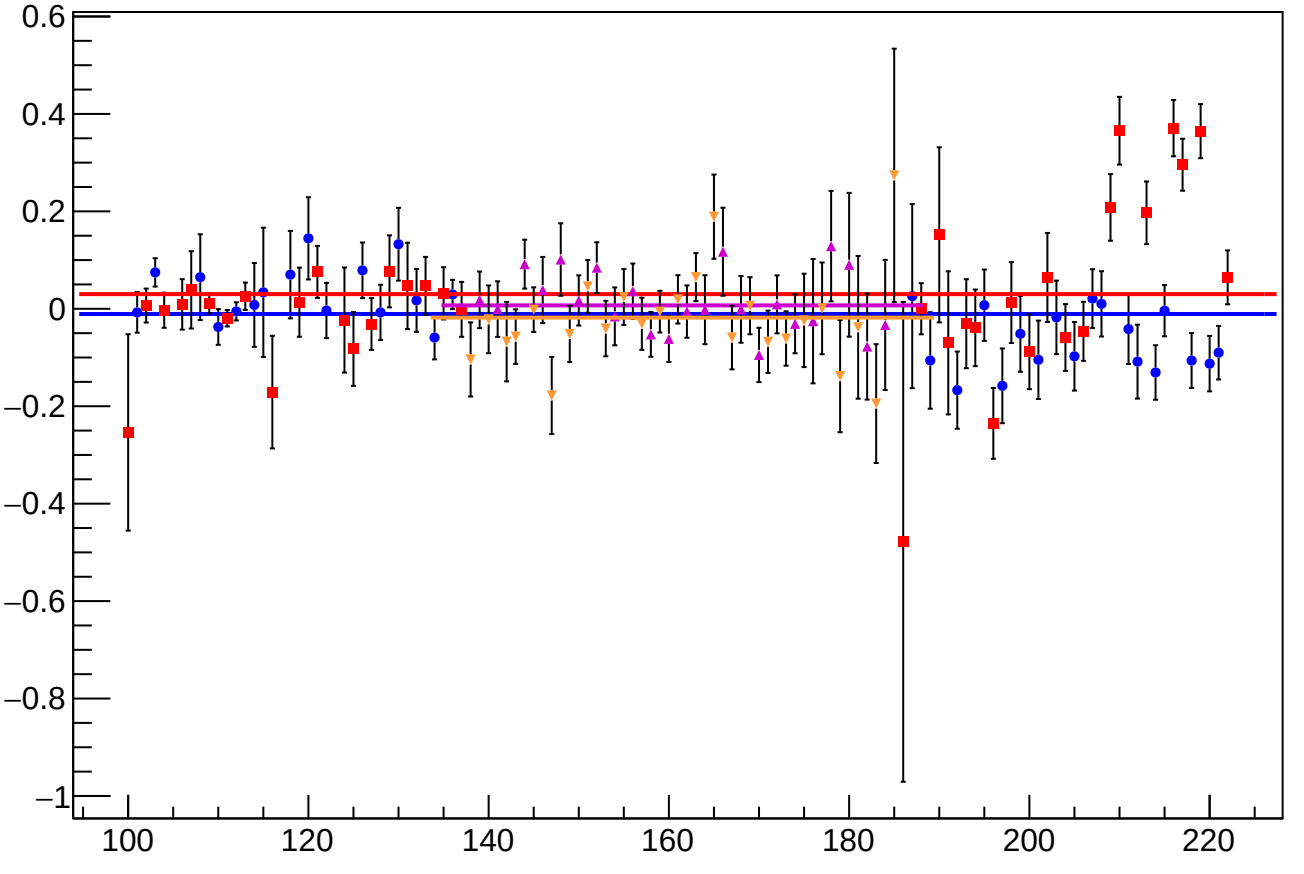
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 18930371.3/71

In: 0.002+/-0.000 χ^2/NDF:17665886.3/56

Out: 0.002+/-0.000 χ^2/NDF:19479828.1/62

All: 0.002+/-0.000 χ^2/NDF: 37147523.1/119



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: 0.030+/-0.008 χ^2/NDF: 177.1/37

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

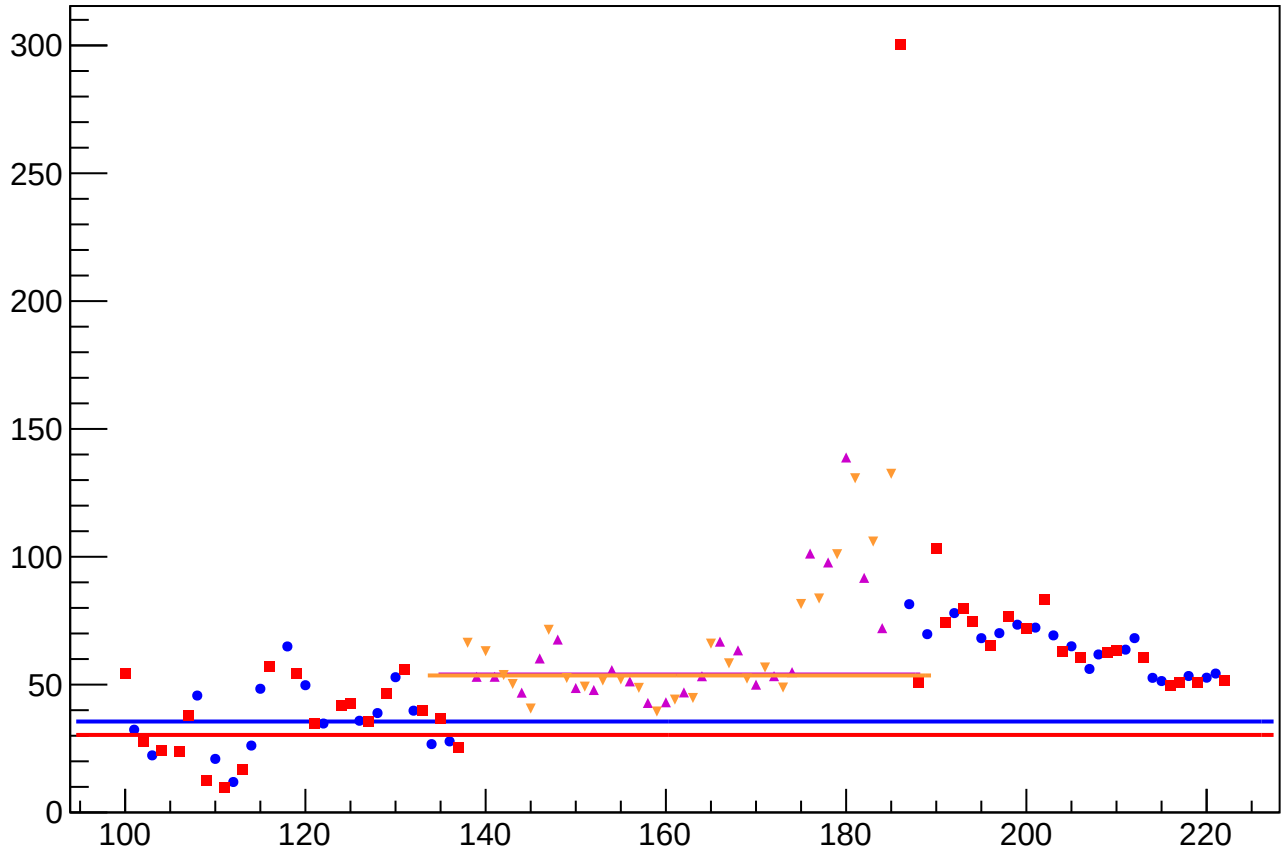
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 239.2/71

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:211.7/62

All: 0.006+/-0.005 χ^2/NDF: 286.7/119



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 30.323+/-0.006 χ^2/NDF: 14223250.5/37

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

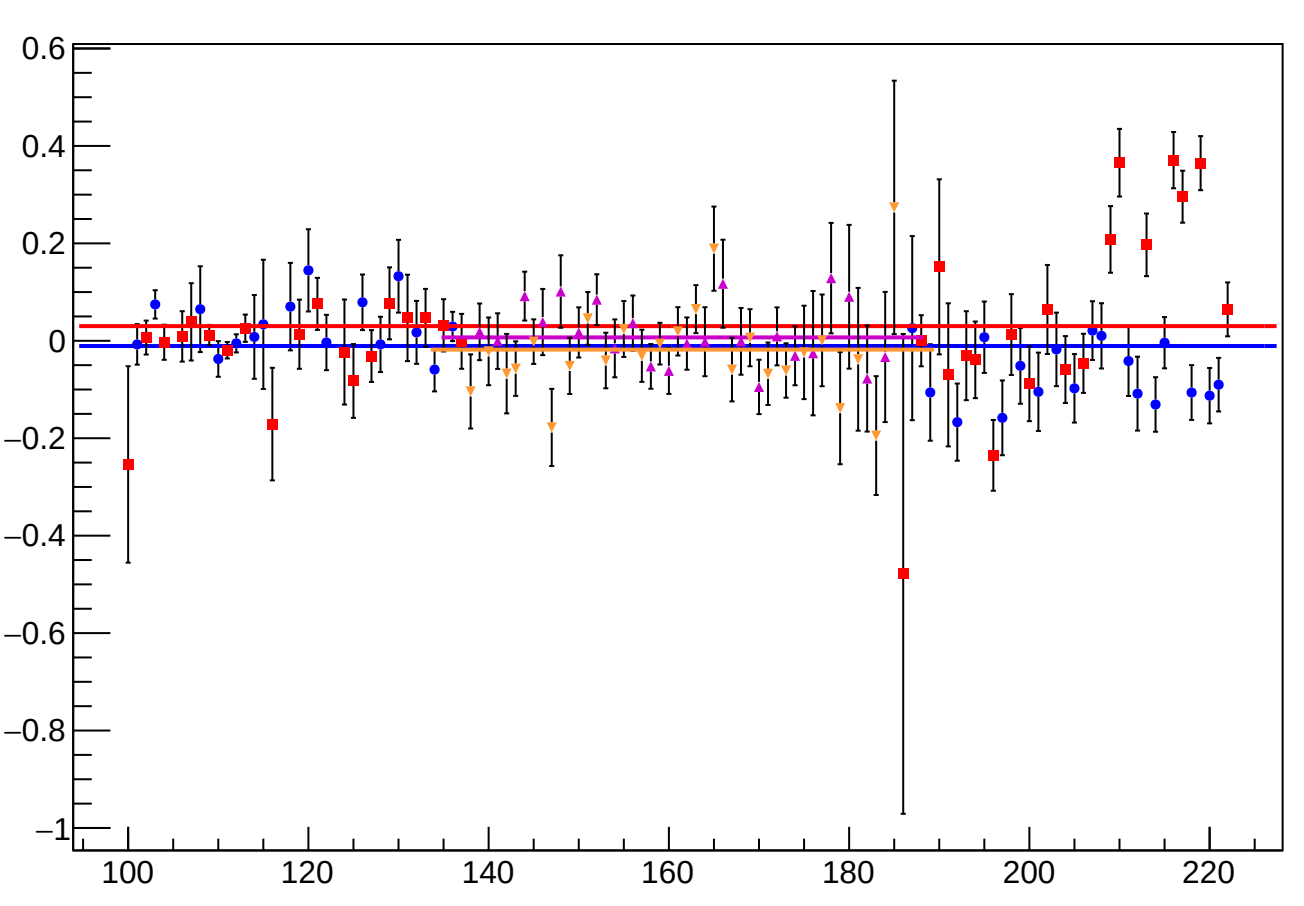
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.689+/-0.004 χ^2/NDF: 24822367.3/71

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 36.879+/-0.005 χ^2/NDF:21607858.2/62

All: 38.907+/-0.004 χ^2/NDF: 36926610.7/119



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: 0.030+/-0.008 χ^2/NDF: 177.1/37

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

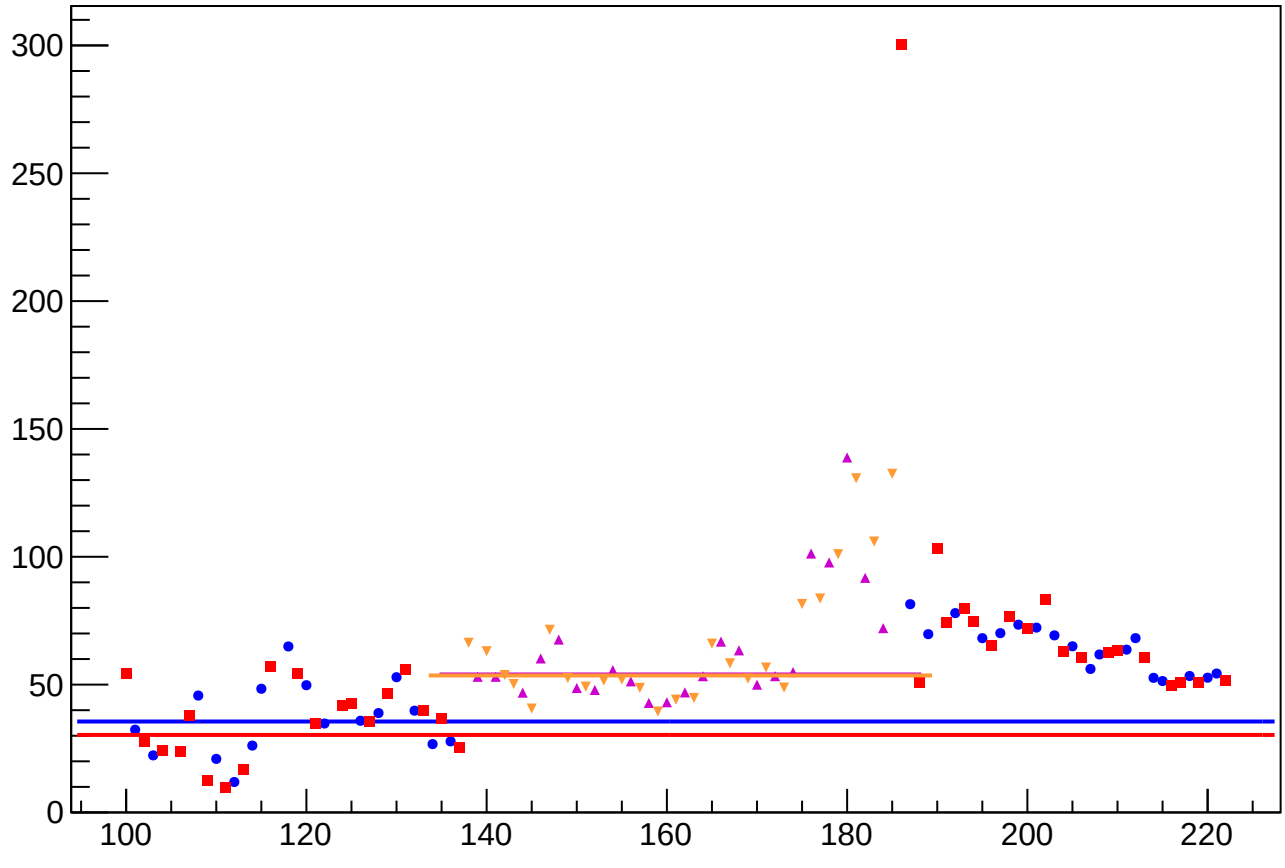
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 239.2/71

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:211.7/62

All: 0.006+/-0.005 χ^2/NDF: 286.7/119



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 30.323+/-0.006 χ^2/NDF: 14223250.5/37

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

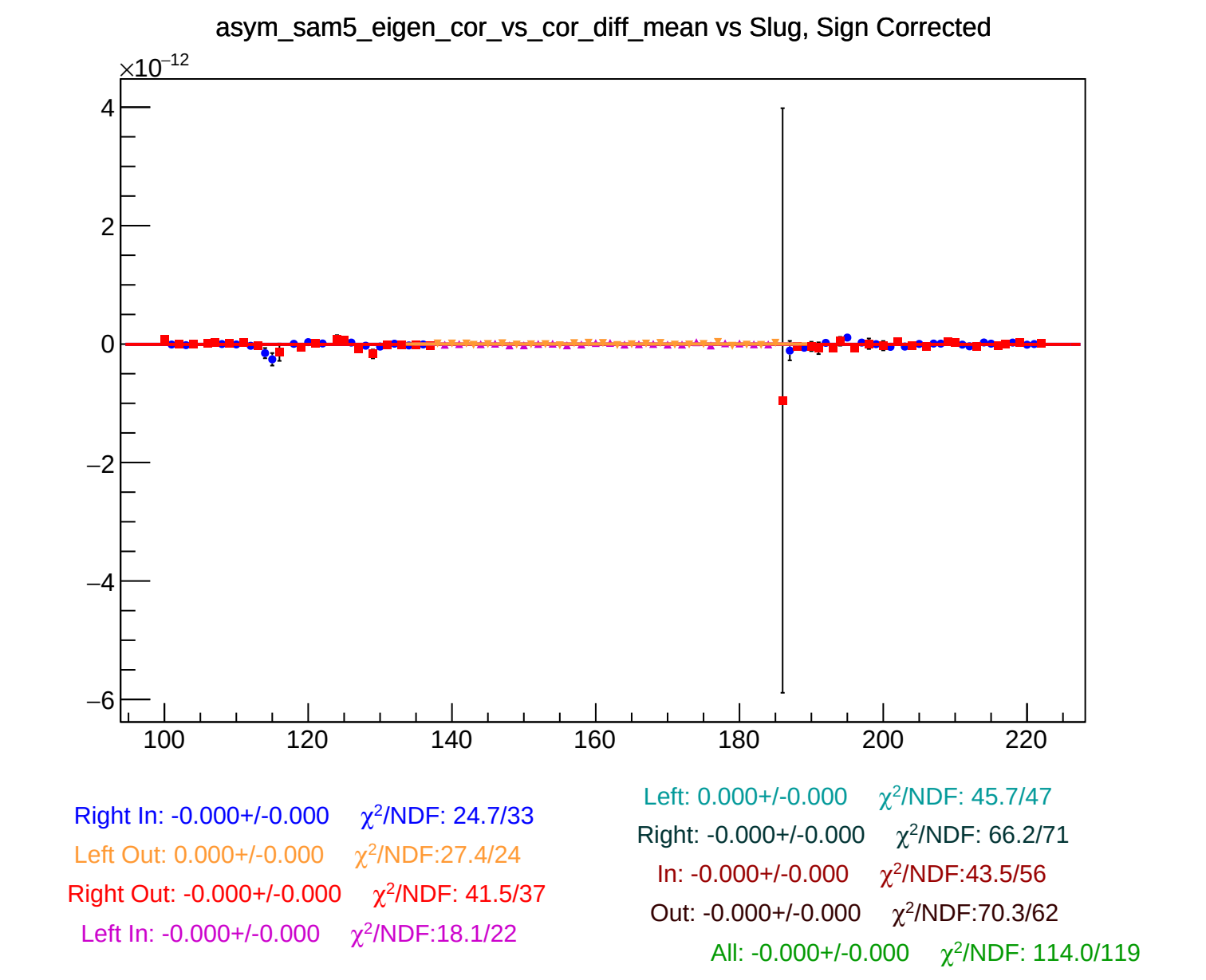
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

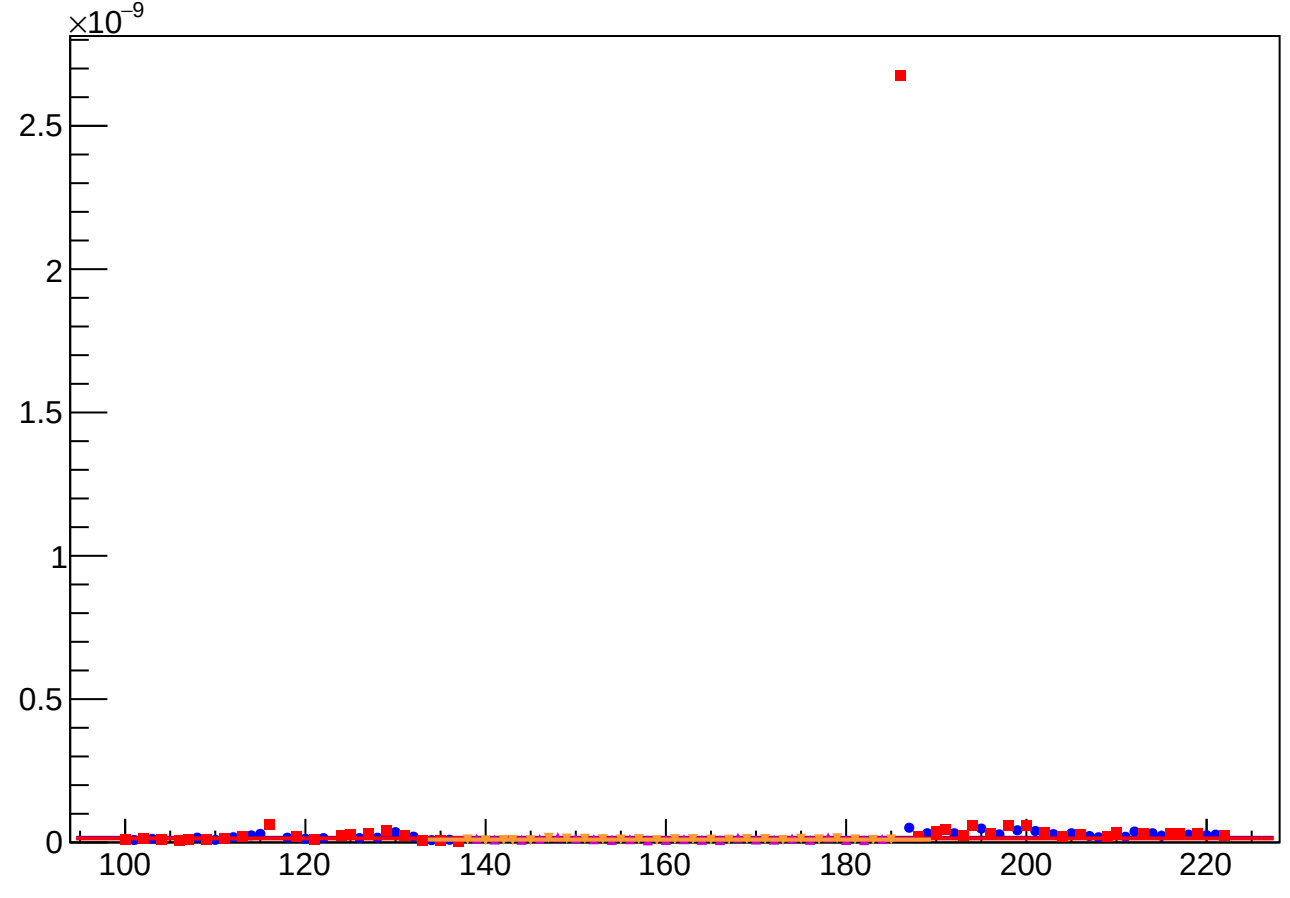
Right: 32.689+/-0.004 χ^2/NDF: 24822367.3/71

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 36.879+/-0.005 χ^2/NDF:21607858.2/62

All: 38.907+/-0.004 χ^2/NDF: 36926610.7/119


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: 41.5/37
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: 66.2/71
In: -0.000+/-0.000 χ²/NDF:43.5/56
Out: -0.000+/-0.000 χ²/NDF:70.3/62
All: -0.000+/-0.000 χ²/NDF: 114.0/119



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: 10475024.6/37

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

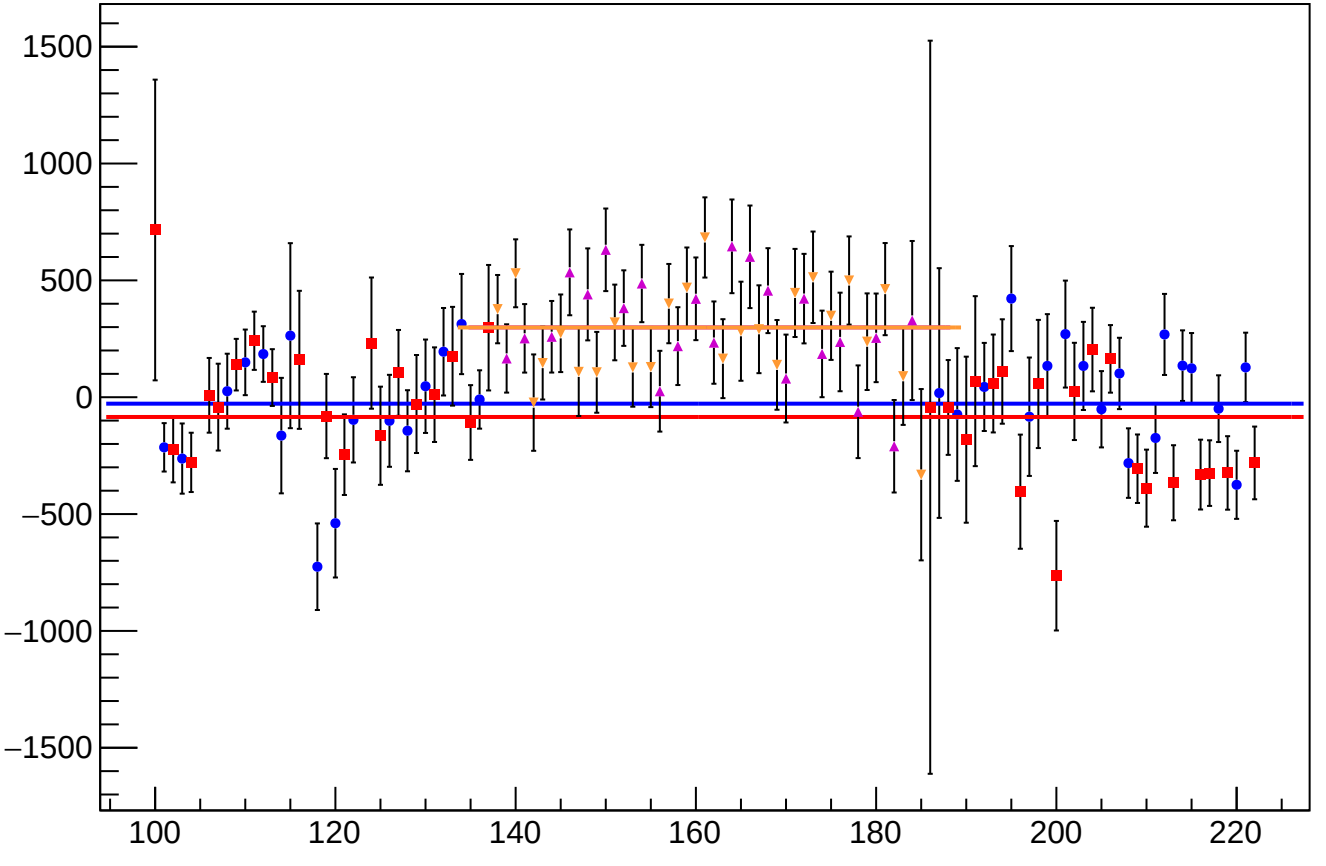
Right: 0.000+/-0.000 χ^2/NDF: 17355306.6/71

In: 0.000+/-0.000 χ^2/NDF:10195424.9/56

Out: 0.000+/-0.000 χ^2/NDF:12936432.7/62

All: 0.000+/-0.000 χ^2/NDF: 23242322.6/119

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: -84.558+/-28.929 χ^2/NDF: 62.1/37

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

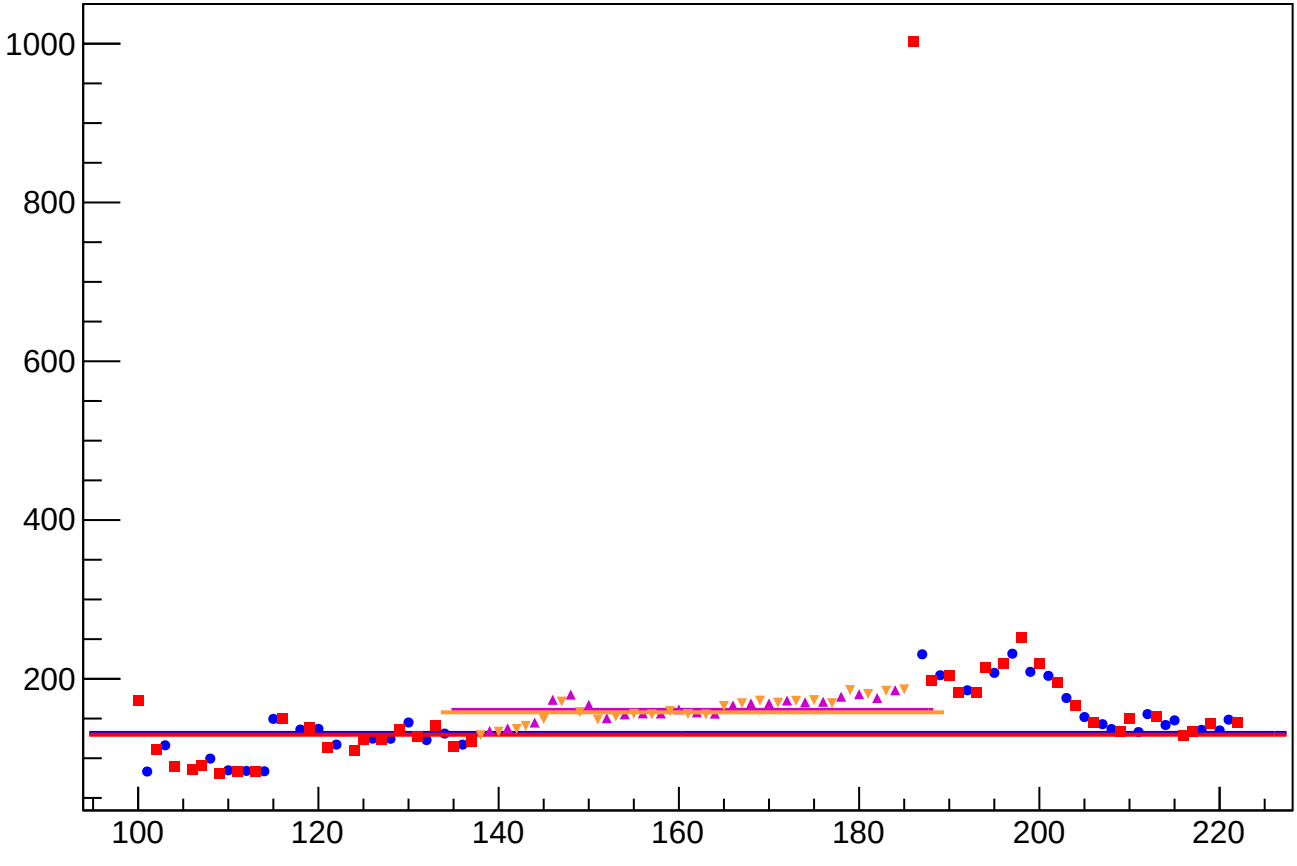
Right: -56.312+/-20.535 χ^2/NDF: 123.0/71

In: 94.385+/-23.069 χ^2/NDF:135.2/56

Out: 65.492+/-22.563 χ^2/NDF:156.8/62

All: 79.618+/-16.130 χ^2/NDF: 292.9/119

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: 129.635+/-0.020 χ^2/NDF: 4289016.6/37

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

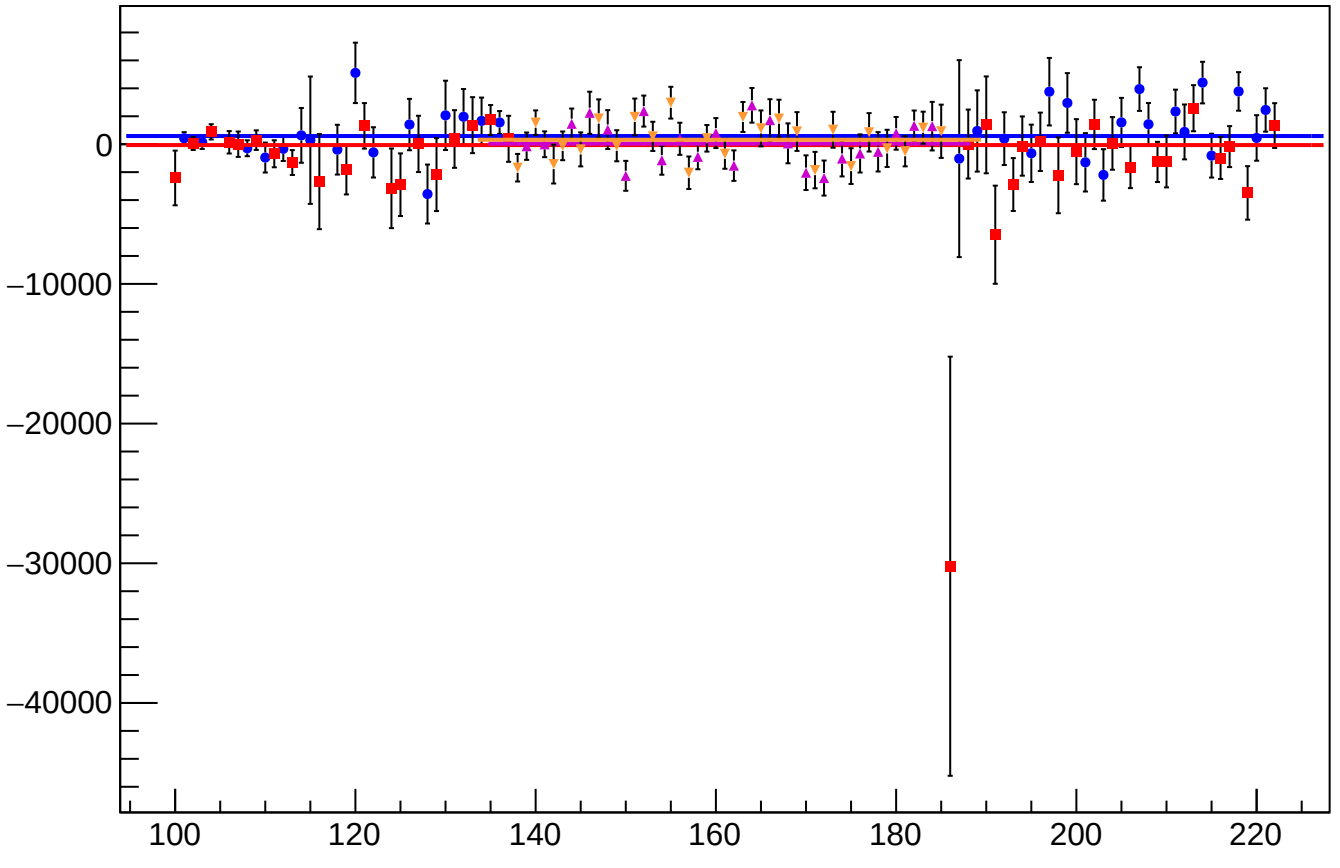
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.763+/-0.015 χ^2/NDF: 7113793.6/71

In: 142.739+/-0.016 χ^2/NDF:3825096.3/56

Out: 140.681+/-0.016 χ^2/NDF:5410726.6/62

All: 141.687+/-0.011 χ^2/NDF: 9243958.7/119



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: -62.320+/-205.437 χ^2/NDF: 36.7/37

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

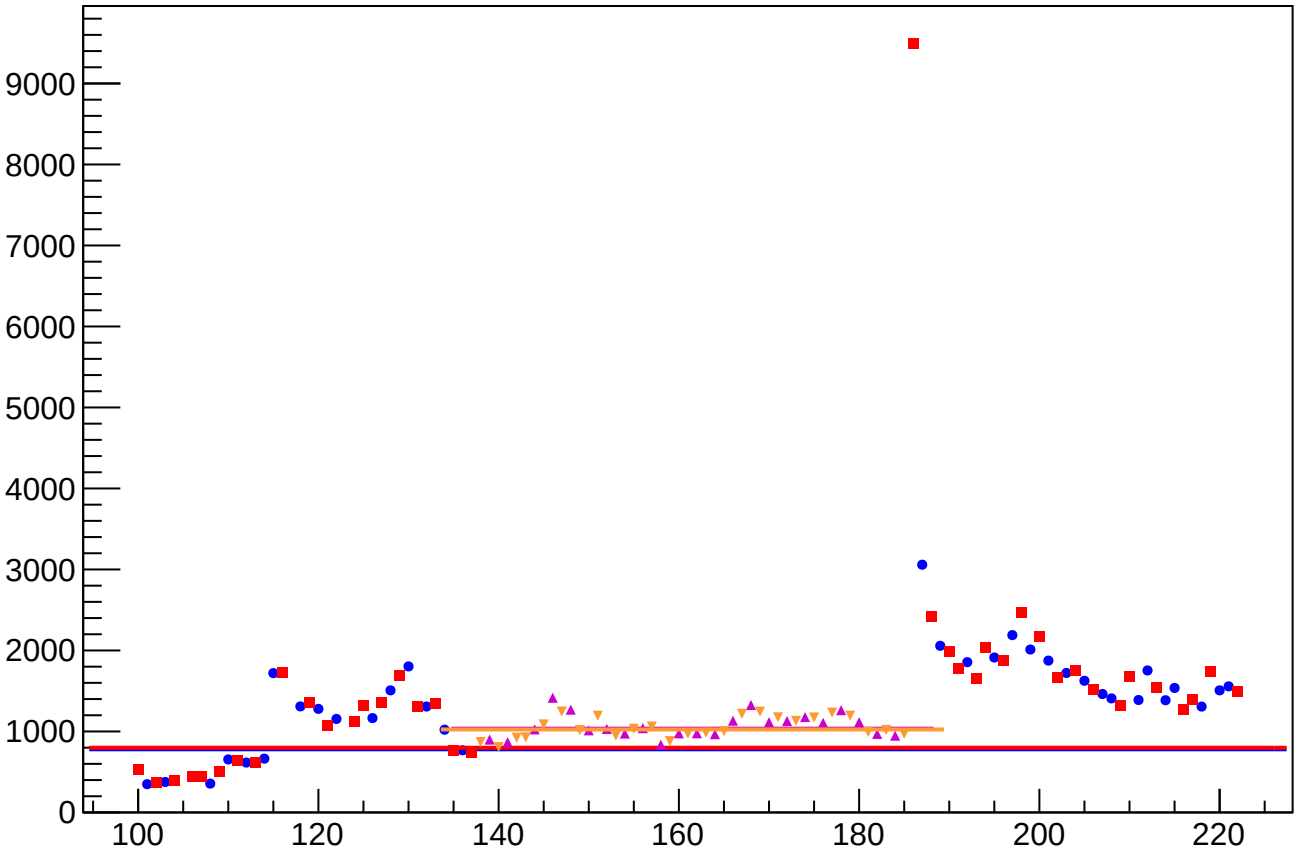
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 265.768+/-144.238 χ^2/NDF: 87.3/71

In: 362.324+/-155.894 χ^2/NDF:83.3/56

Out: 103.204+/-154.692 χ^2/NDF:70.7/62

All: 231.762+/-109.806 χ^2/NDF: 155.4/119



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: 798.818+/-0.145 χ^2/NDF: 14118911.8/37

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

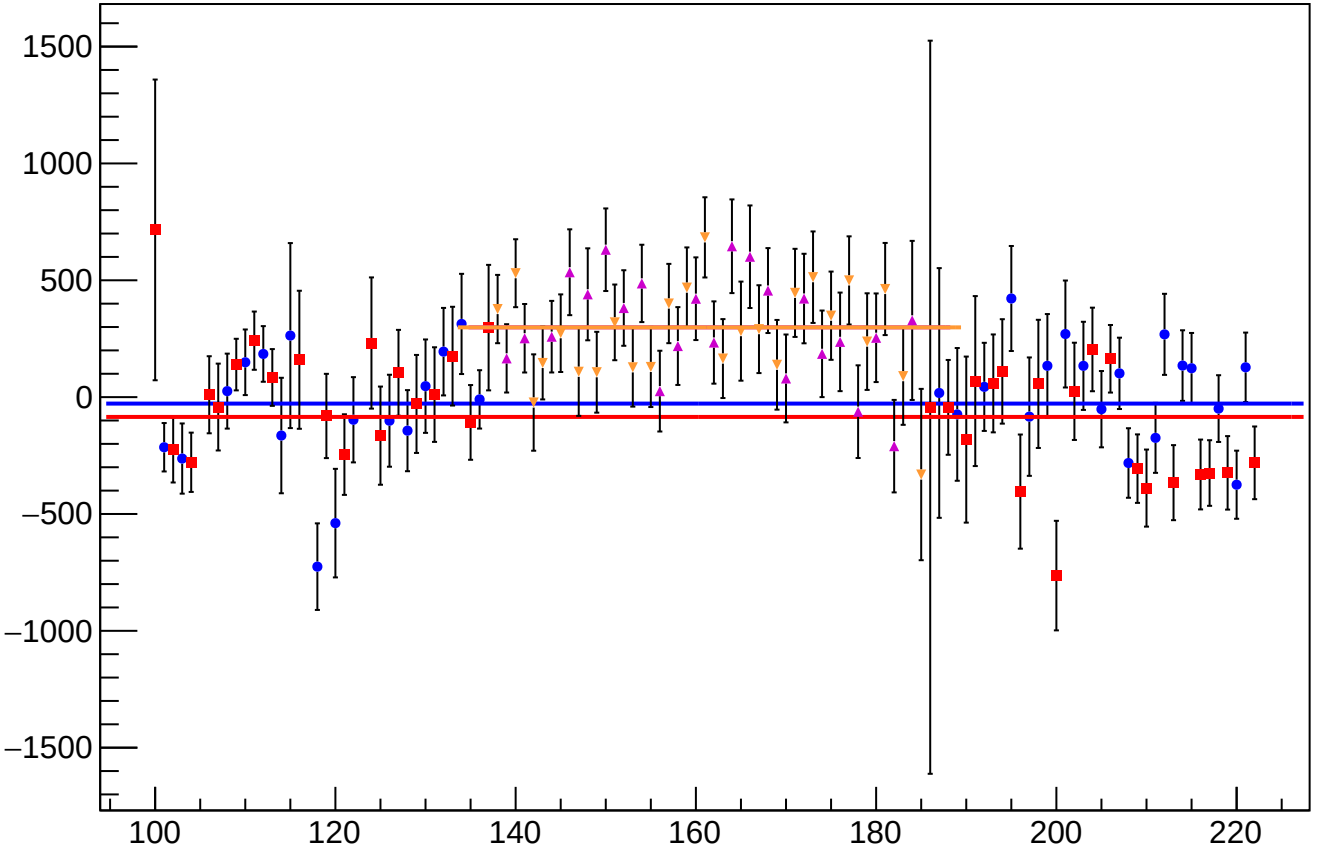
Right: 789.155+/-0.102 χ^2/NDF: 28240440.0/71

In: 883.584+/-0.110 χ^2/NDF:16030099.6/56

Out: 896.537+/-0.109 χ^2/NDF:15761572.3/62

All: 890.111+/-0.078 χ^2/NDF: 31798628.2/11

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: -84.698+/-28.958 χ^2/NDF: 62.1/37

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

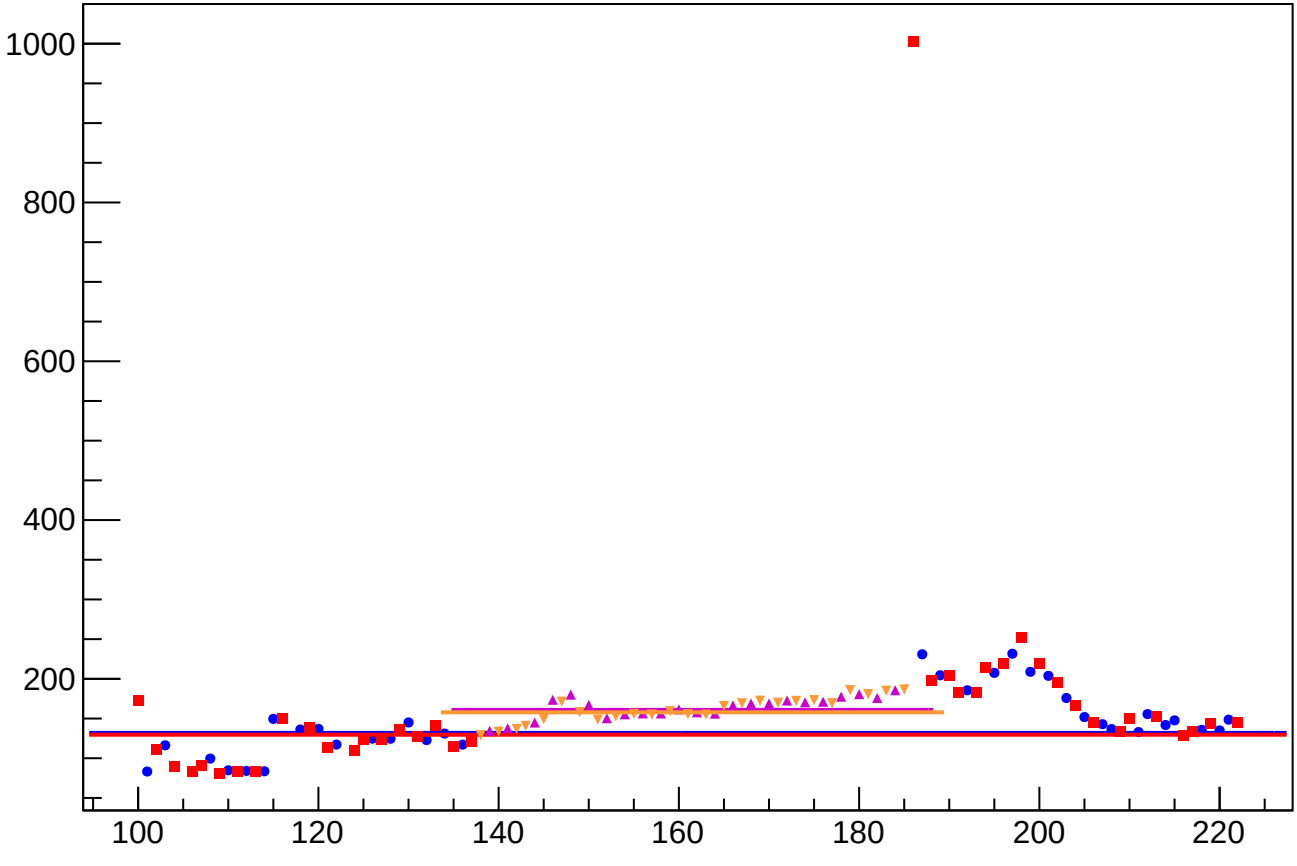
Right: -56.360+/-20.546 χ^2/NDF: 123.1/71

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 65.590+/-22.576 χ^2/NDF:156.8/62

All: 79.674+/-16.135 χ^2/NDF: 292.8/119

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: 129.625+/-0.020 χ^2/NDF: 4300907.1/37

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

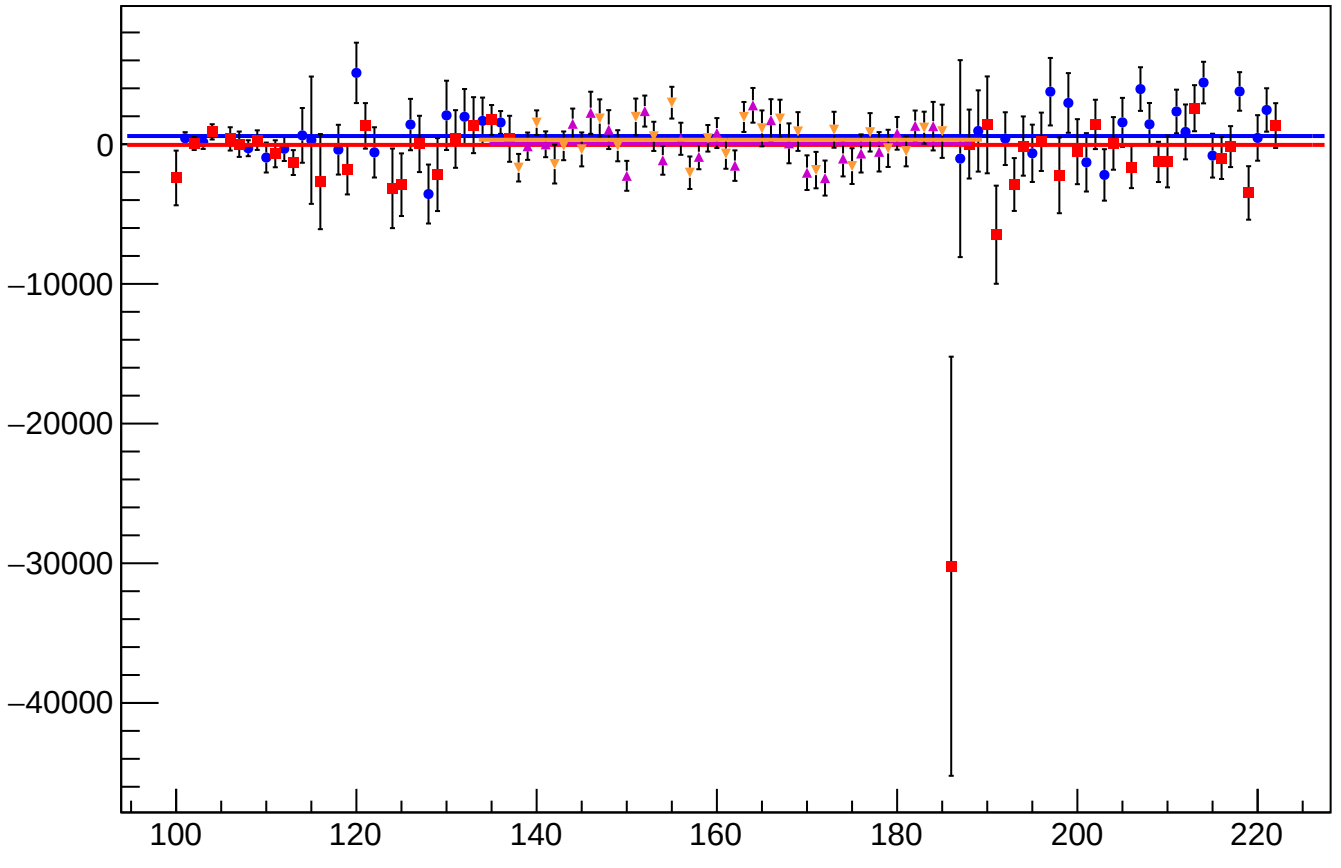
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.759+/-0.015 χ^2/NDF: 7125729.0/71

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 140.689+/-0.016 χ^2/NDF:5422554.9/62

All: 141.692+/-0.011 χ^2/NDF: 9255719.5/119



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: -49.035+/-205.871 χ^2/NDF: 36.9/37

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

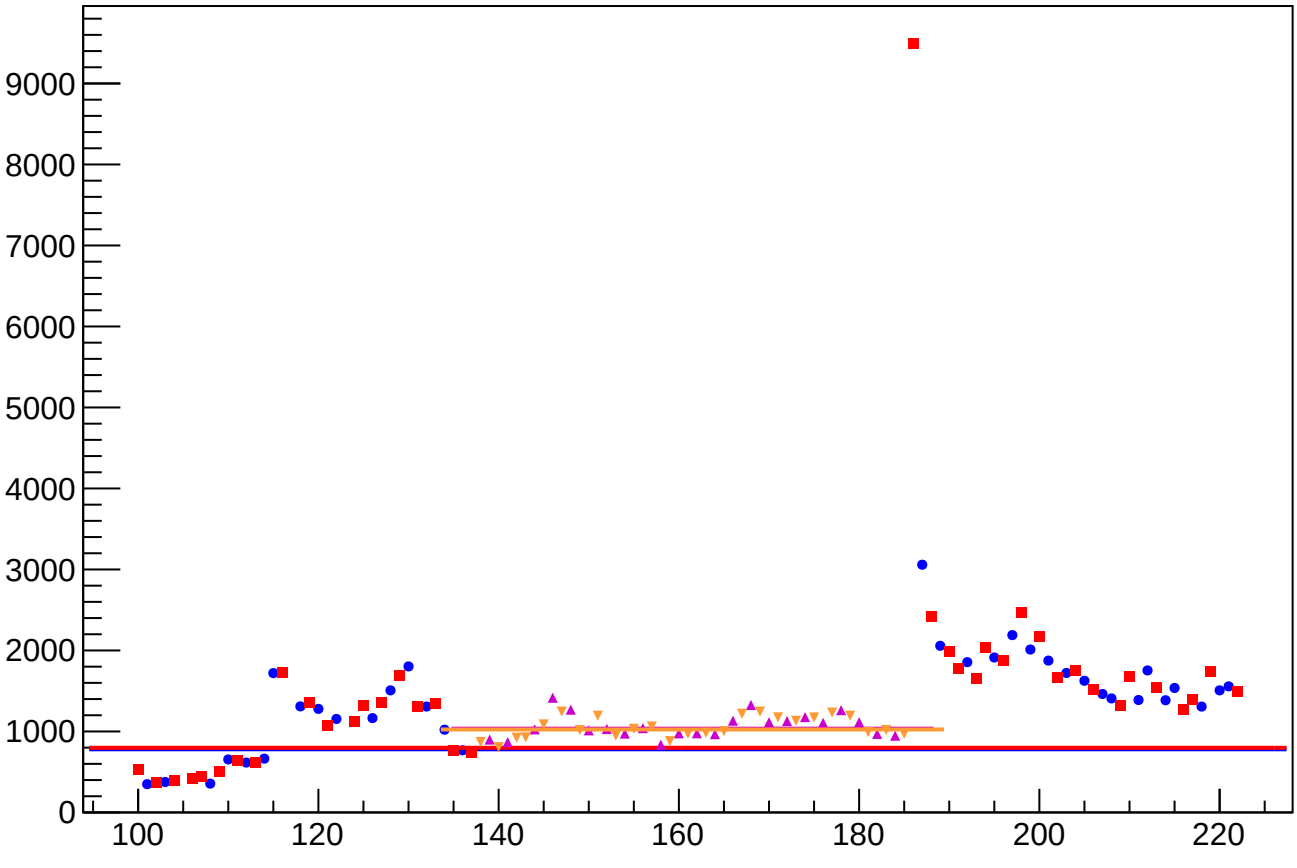
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 273.041+/-144.386 χ^2/NDF: 87.3/71

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 111.121+/-154.877 χ^2/NDF:70.8/62

All: 235.934+/-109.872 χ^2/NDF: 155.4/119



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: 798.584+/-0.146 χ^2/NDF: 14155058.3/37

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

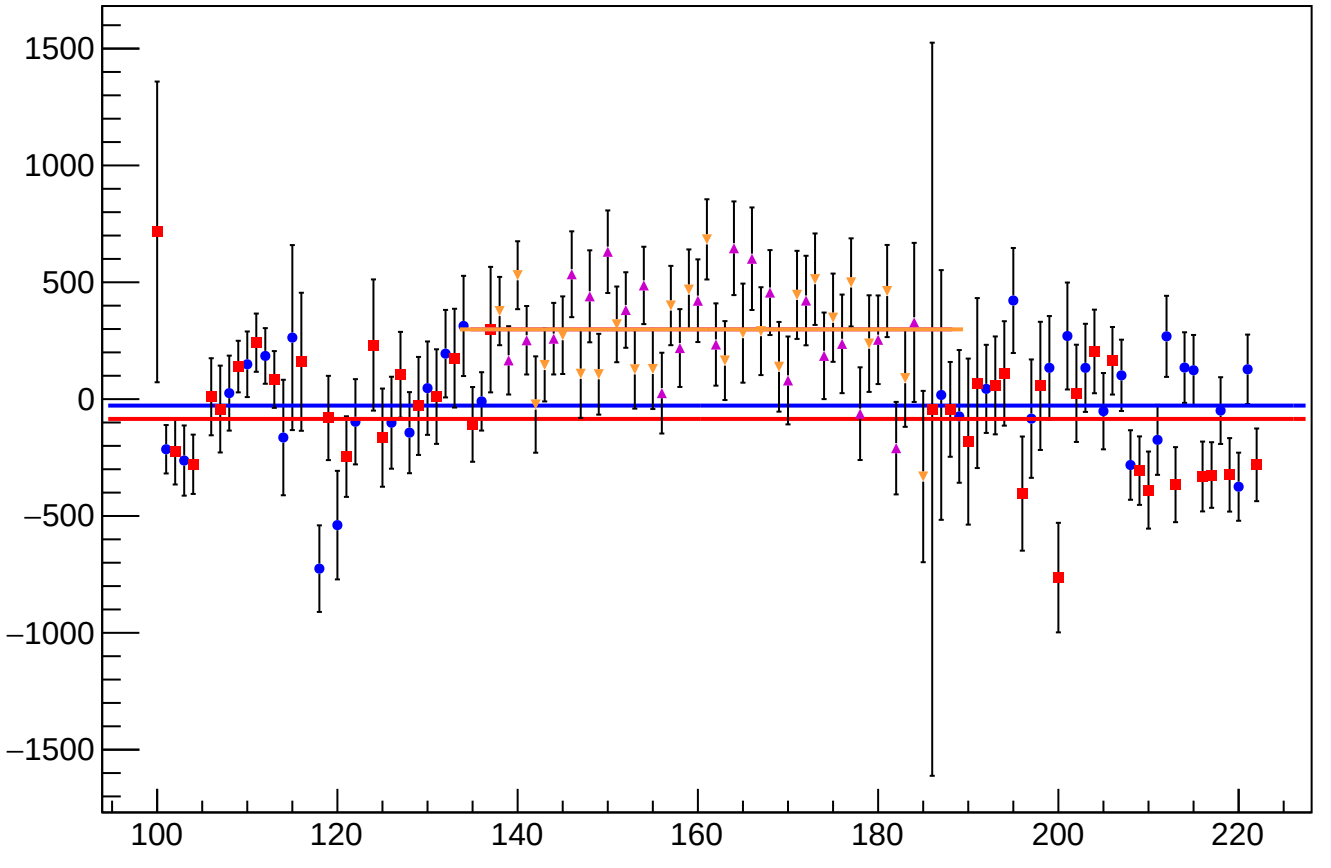
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 789.005+/-0.102 χ^2/NDF: 28277113.1/71

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 896.638+/-0.110 χ^2/NDF:15797977.2/62

All: 890.144+/-0.078 χ^2/NDF: 31836198.2/11



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: -84.698+/-28.958 χ^2/NDF: 62.1/37

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

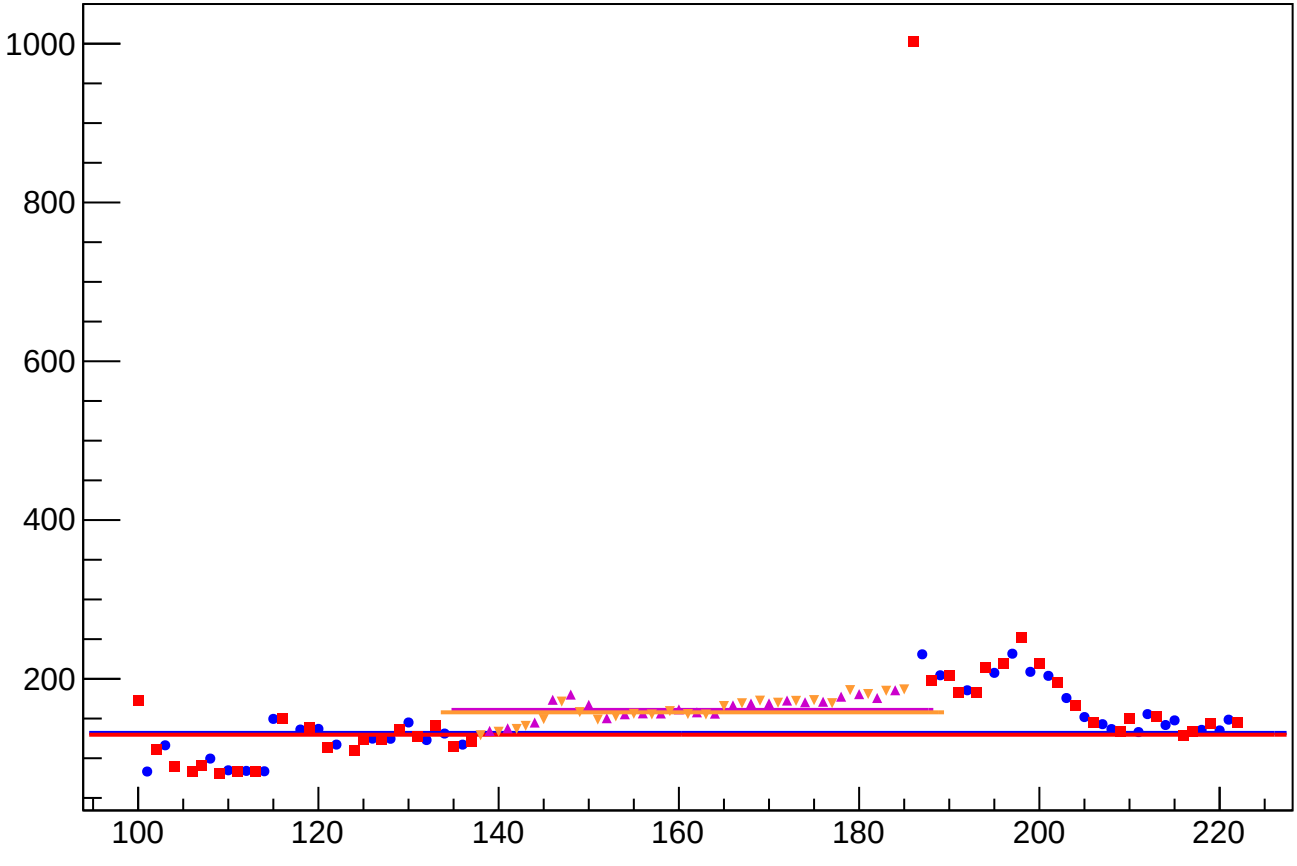
Right: -56.360+/-20.546 χ^2/NDF: 123.1/71

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 65.590+/-22.576 χ^2/NDF:156.8/62

All: 79.674+/-16.135 χ^2/NDF: 292.8/119

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: 129.625+/-0.020 χ^2/NDF: 4300907.1/37

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

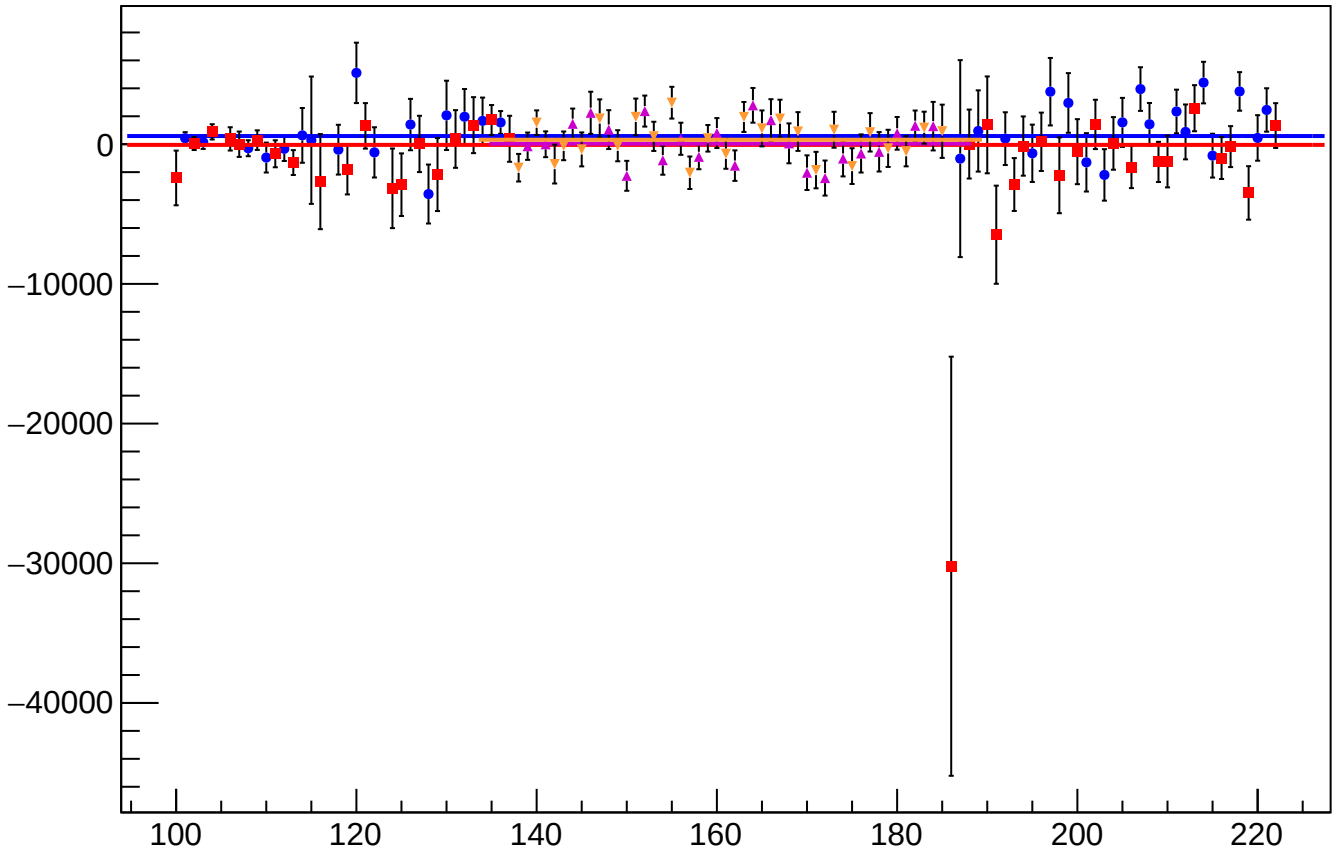
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.759+/-0.015 χ^2/NDF: 7125729.0/71

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 140.689+/-0.016 χ^2/NDF:5422554.9/62

All: 141.692+/-0.011 χ^2/NDF: 9255719.5/119



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: -49.035+/-205.871 χ^2/NDF: 36.9/37

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

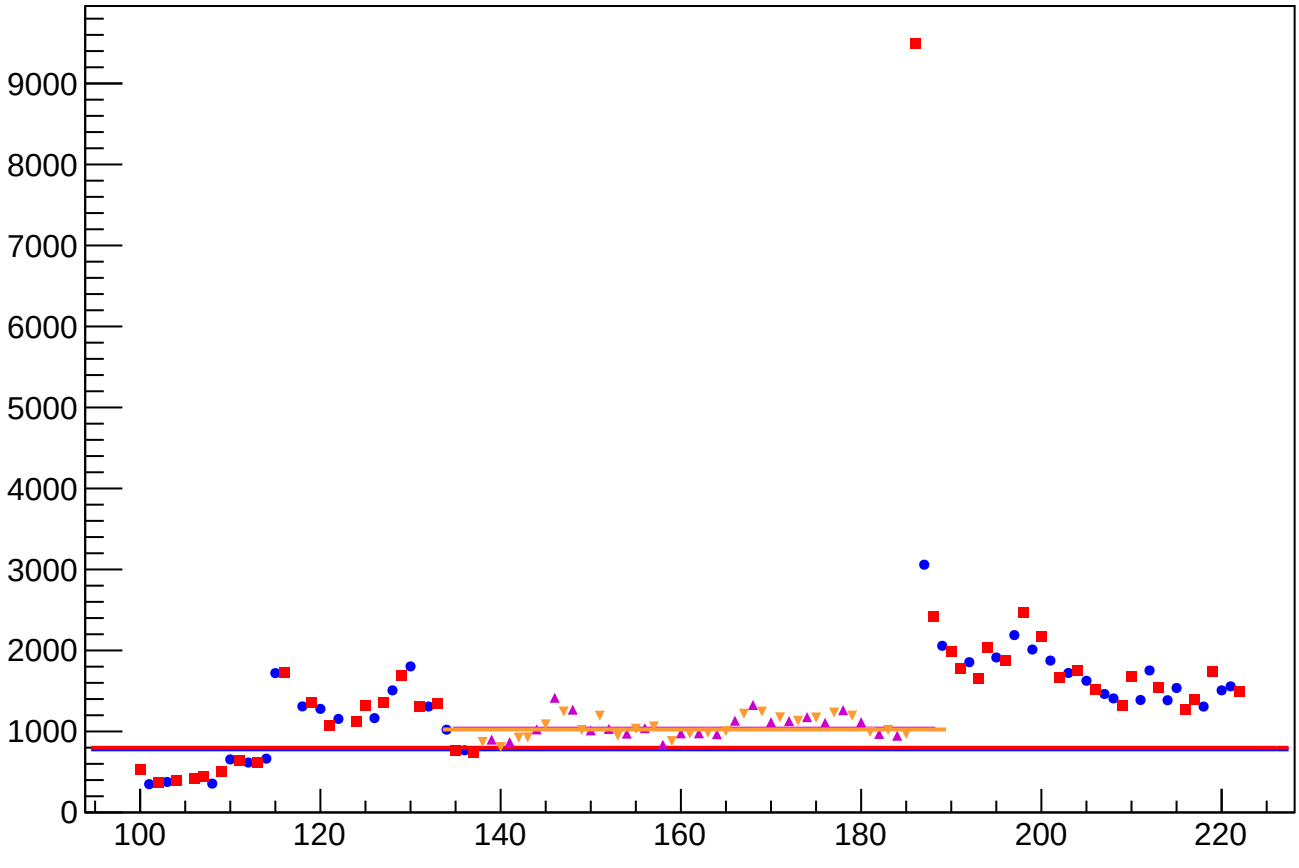
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 273.041+/-144.386 χ^2/NDF: 87.3/71

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 111.121+/-154.877 χ^2/NDF:70.8/62

All: 235.934+/-109.872 χ^2/NDF: 155.4/119



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: 798.584+/-0.146 χ^2/NDF: 14155058.3/37

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

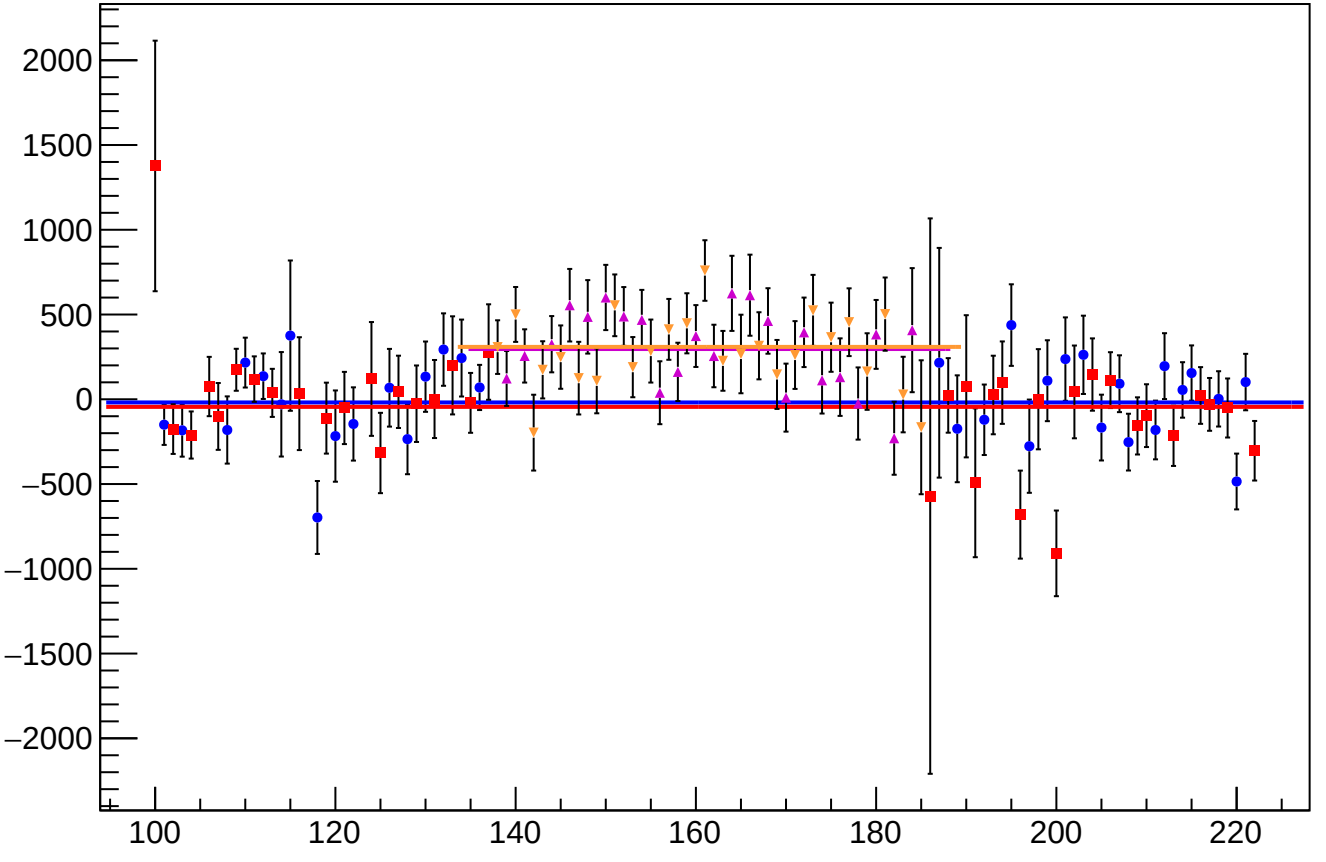
Right: 789.005+/-0.102 χ^2/NDF: 28277113.1/71

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 896.638+/-0.110 χ^2/NDF:15797977.2/62

All: 890.144+/-0.078 χ^2/NDF: 31836198.2/11

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: -44.785+/-32.499 χ^2/NDF: 40.5/37

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

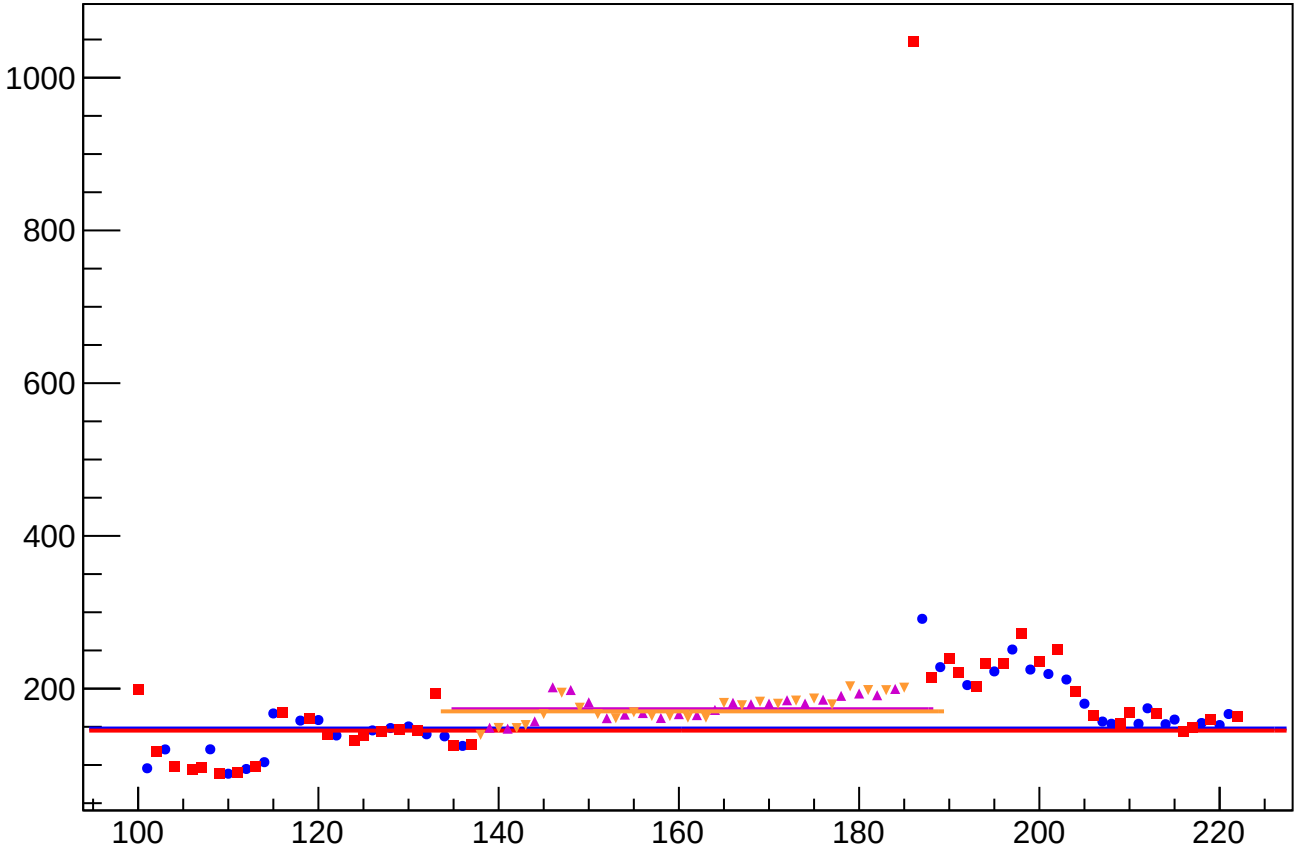
Right: -31.796+/-23.044 χ^2/NDF: 87.9/71

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 100.652+/-24.941 χ^2/NDF:114.8/62

All: 102.893+/-17.816 χ^2/NDF: 226.3/119

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 147.735+/-0.023 χ^2/NDF: 2764494.6/33

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 145.046+/-0.023 χ^2/NDF: 4463577.3/37

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

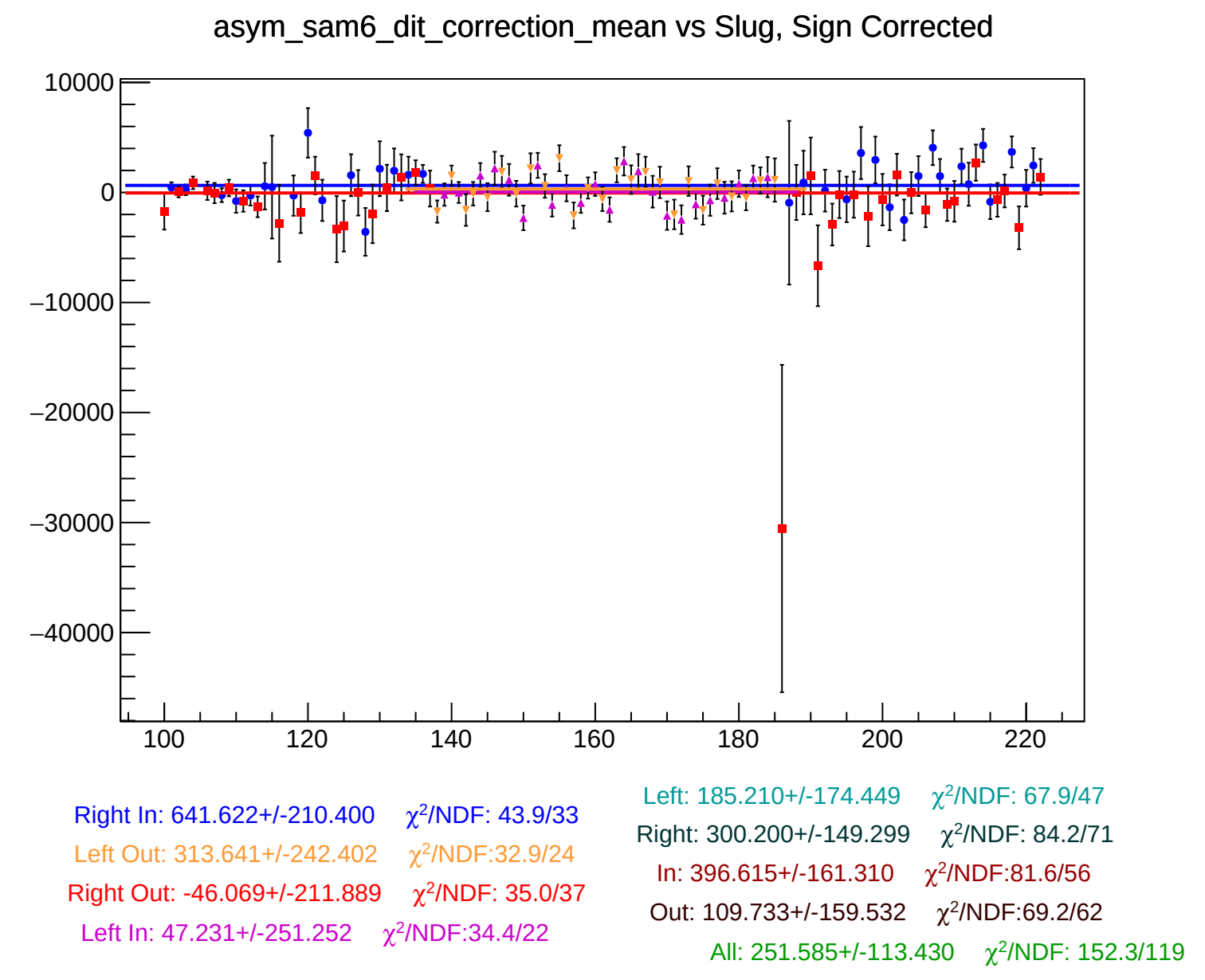
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

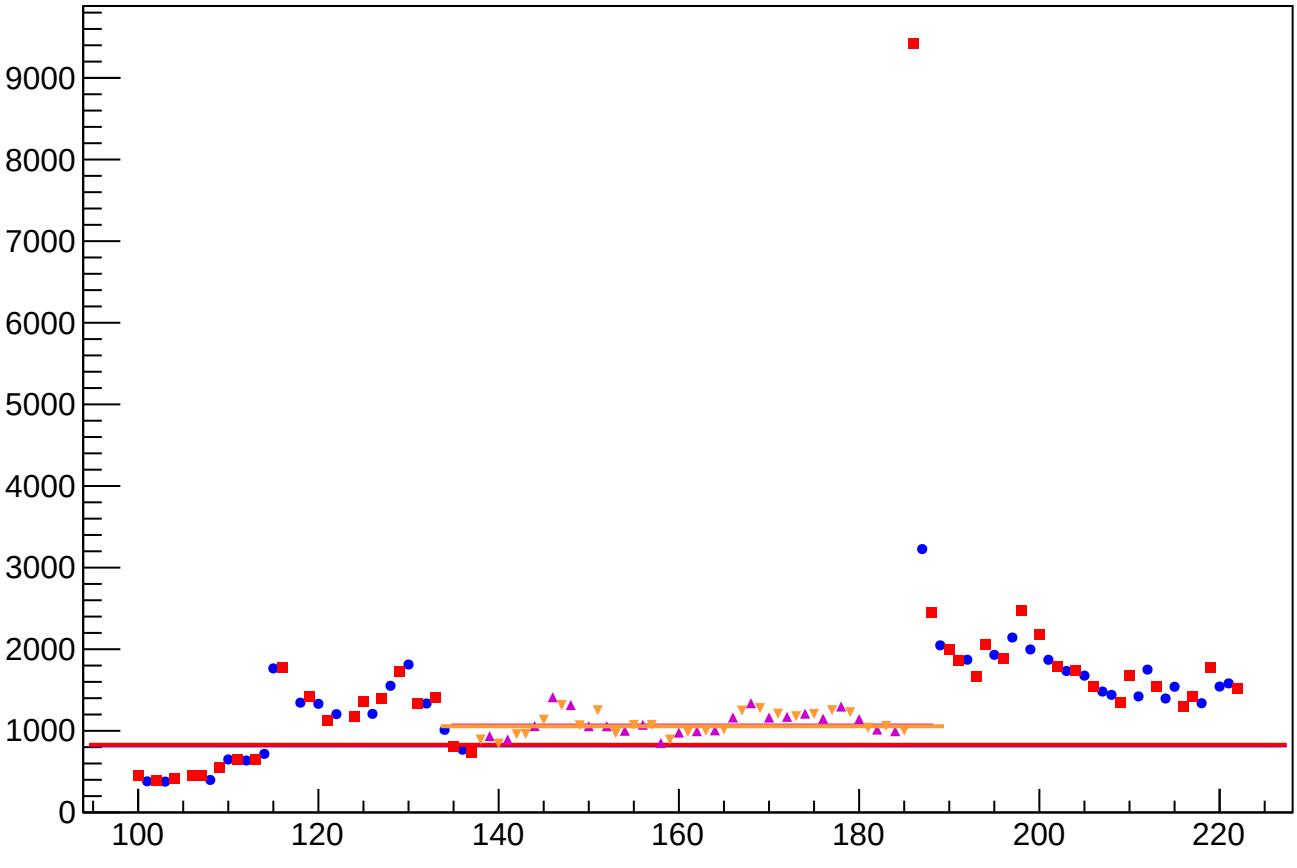
Right: 146.383+/-0.016 χ^2/NDF: 7234882.0/71

In: 157.676+/-0.018 χ^2/NDF:3528949.9/56

Out: 155.402+/-0.018 χ^2/NDF:5323964.1/62

All: 156.516+/-0.013 χ^2/NDF: 8861056.2/119


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 641.622+/-210.400 χ²/NDF: 43.9/33
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -46.069+/-211.889 χ²/NDF: 35.0/37
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 300.200+/-149.299 χ²/NDF: 84.2/71
In: 396.615+/-161.310 χ²/NDF:81.6/56
Out: 109.733+/-159.532 χ²/NDF:69.2/62
All: 251.585+/-113.430 χ²/NDF: 152.3/119



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: 828.756+/-0.150 χ^2/NDF: 13826595.0/37

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

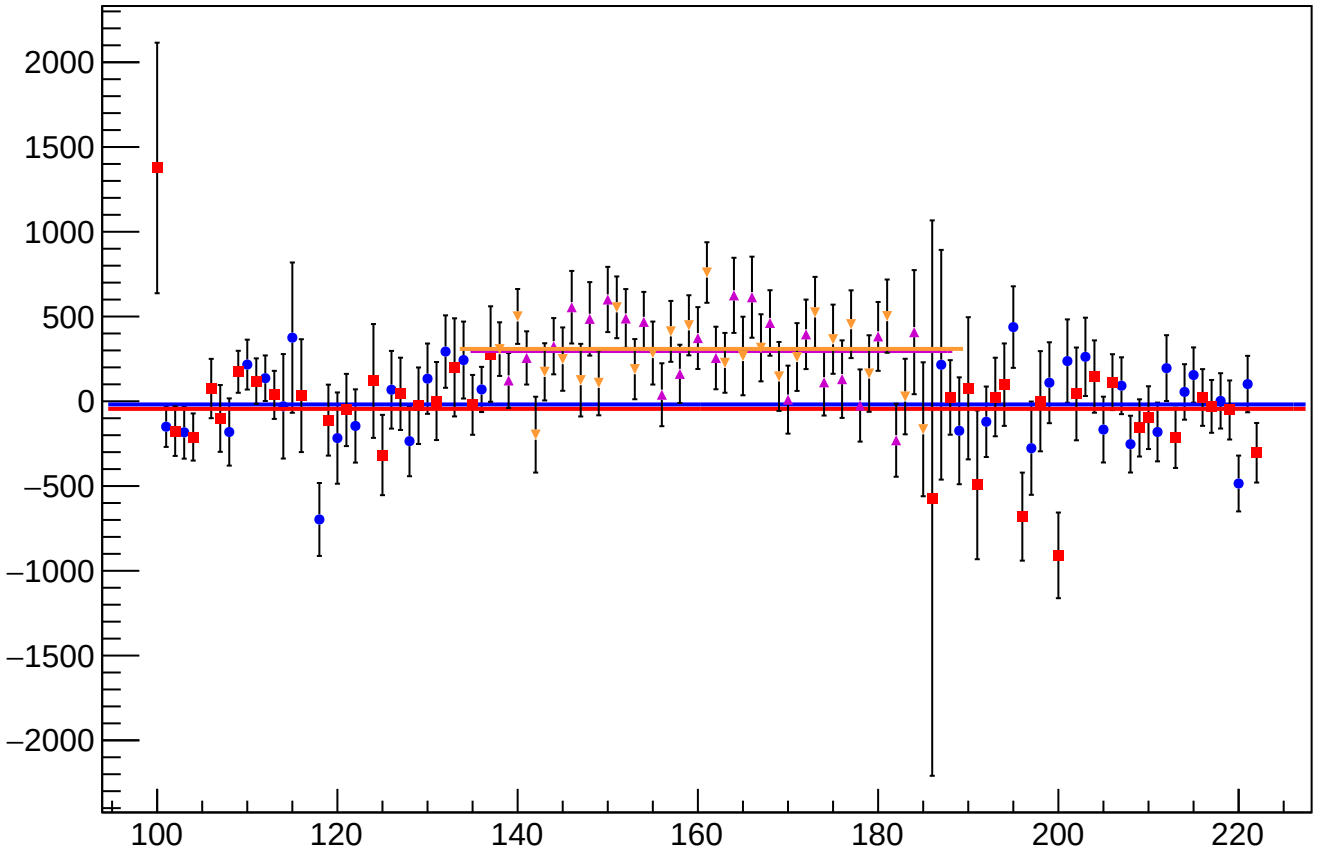
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 825.107+/-0.106 χ^2/NDF: 27129038.5/71

In: 921.748+/-0.114 χ^2/NDF:15013620.2/56

Out: 927.325+/-0.113 χ^2/NDF:15436557.3/62

All: 924.568+/-0.080 χ^2/NDF: 30451386.1/11



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: -44.784+/-32.499 χ^2/NDF: 40.5/37

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

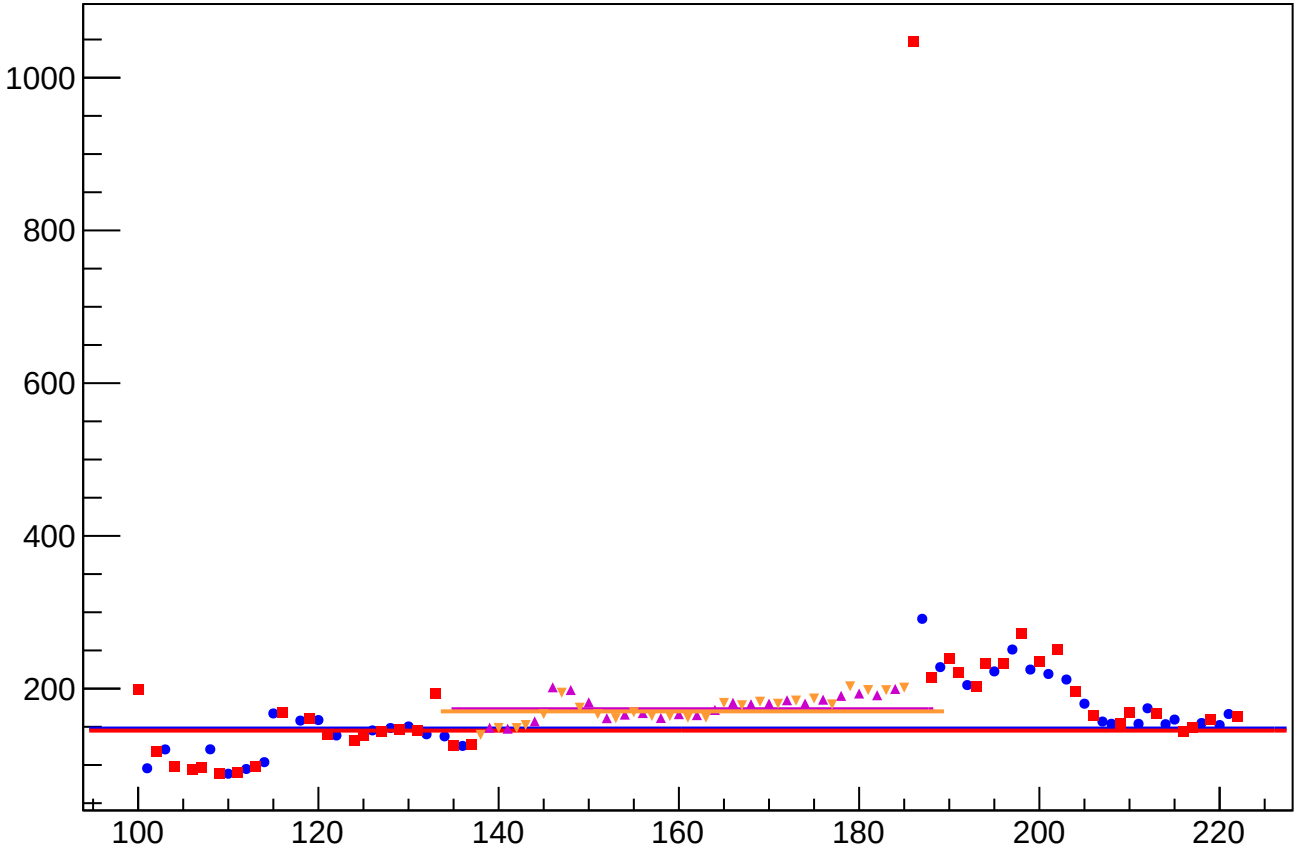
Right: -31.796+/-23.044 χ^2/NDF: 87.9/71

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 100.654+/-24.940 χ^2/NDF:114.8/62

All: 102.893+/-17.816 χ^2/NDF: 226.3/119

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 147.735+/-0.023 χ^2/NDF: 2764516.1/33

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 145.046+/-0.023 χ^2/NDF: 4463586.1/37

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

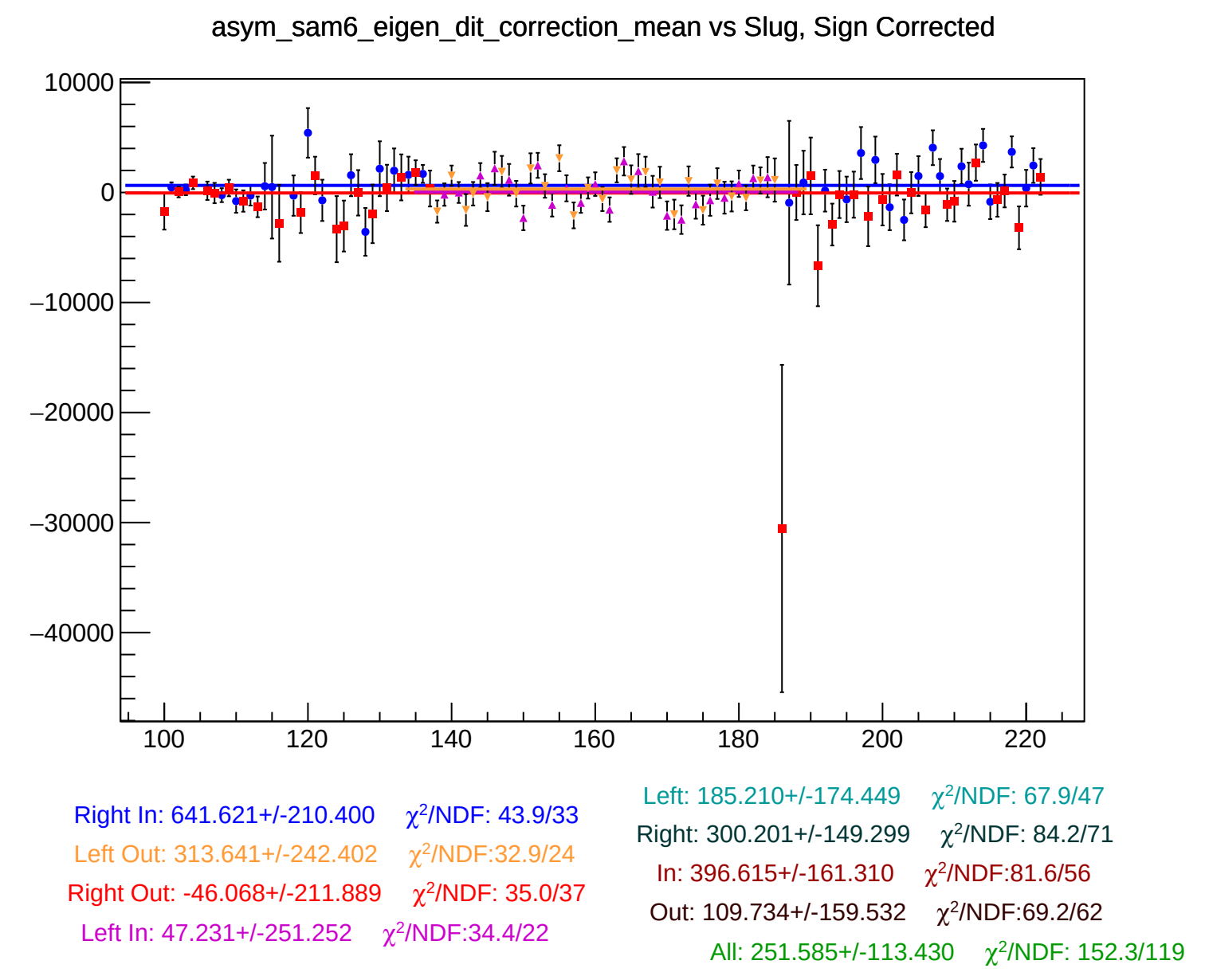
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 146.383+/-0.016 χ^2/NDF: 7234912.4/71

In: 157.676+/-0.018 χ^2/NDF:3528972.4/56

Out: 155.402+/-0.018 χ^2/NDF:5323973.7/62

All: 156.516+/-0.013 χ^2/NDF: 8861088.3/119


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
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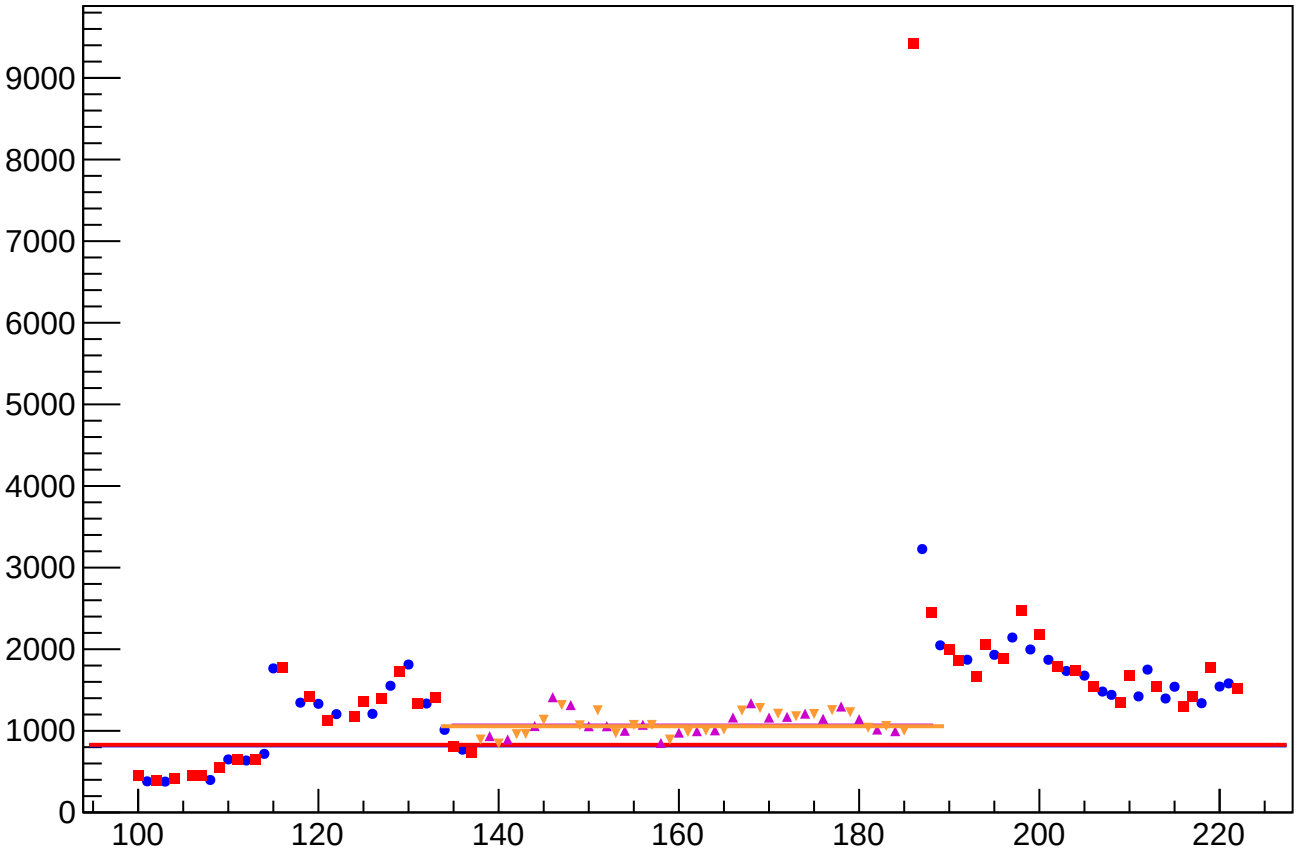
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 641.621+/-210.400 χ²/NDF: 43.9/33
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -46.068+/-211.889 χ²/NDF: 35.0/37
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 300.201+/-149.299 χ²/NDF: 84.2/71
In: 396.615+/-161.310 χ²/NDF:81.6/56
Out: 109.734+/-159.532 χ²/NDF:69.2/62
All: 251.585+/-113.430 χ²/NDF: 152.3/119



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: 828.755+/-0.150 χ^2/NDF: 13826605.7/37

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

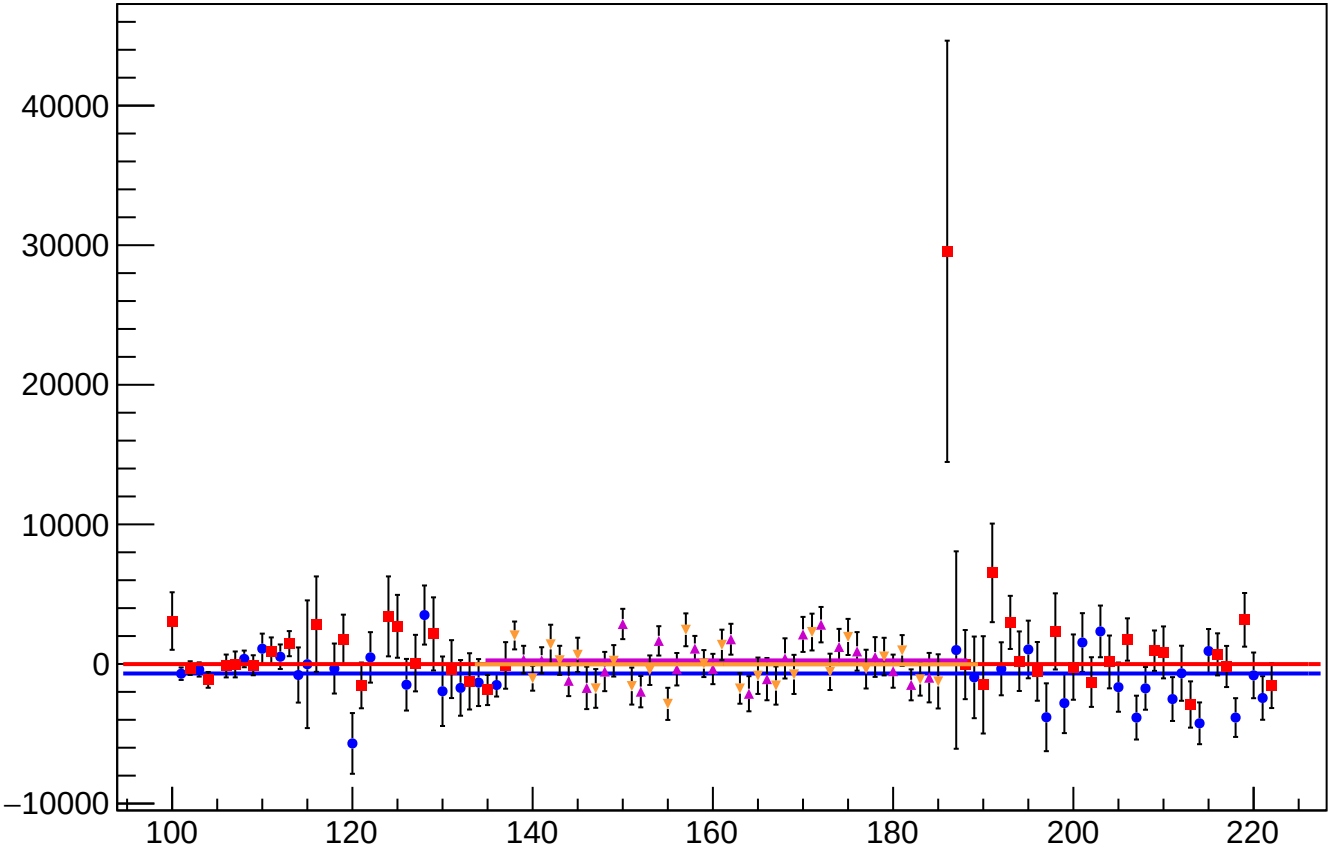
Right: 825.106+/-0.106 χ^2/NDF: 27129071.1/71

In: 921.748+/-0.114 χ^2/NDF:15013655.0/56

Out: 927.325+/-0.113 χ^2/NDF:15436581.2/62

All: 924.567+/-0.080 χ^2/NDF: 30451444.8/1

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: -9.623+/-209.864 χ^2/NDF: 39.8/37

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

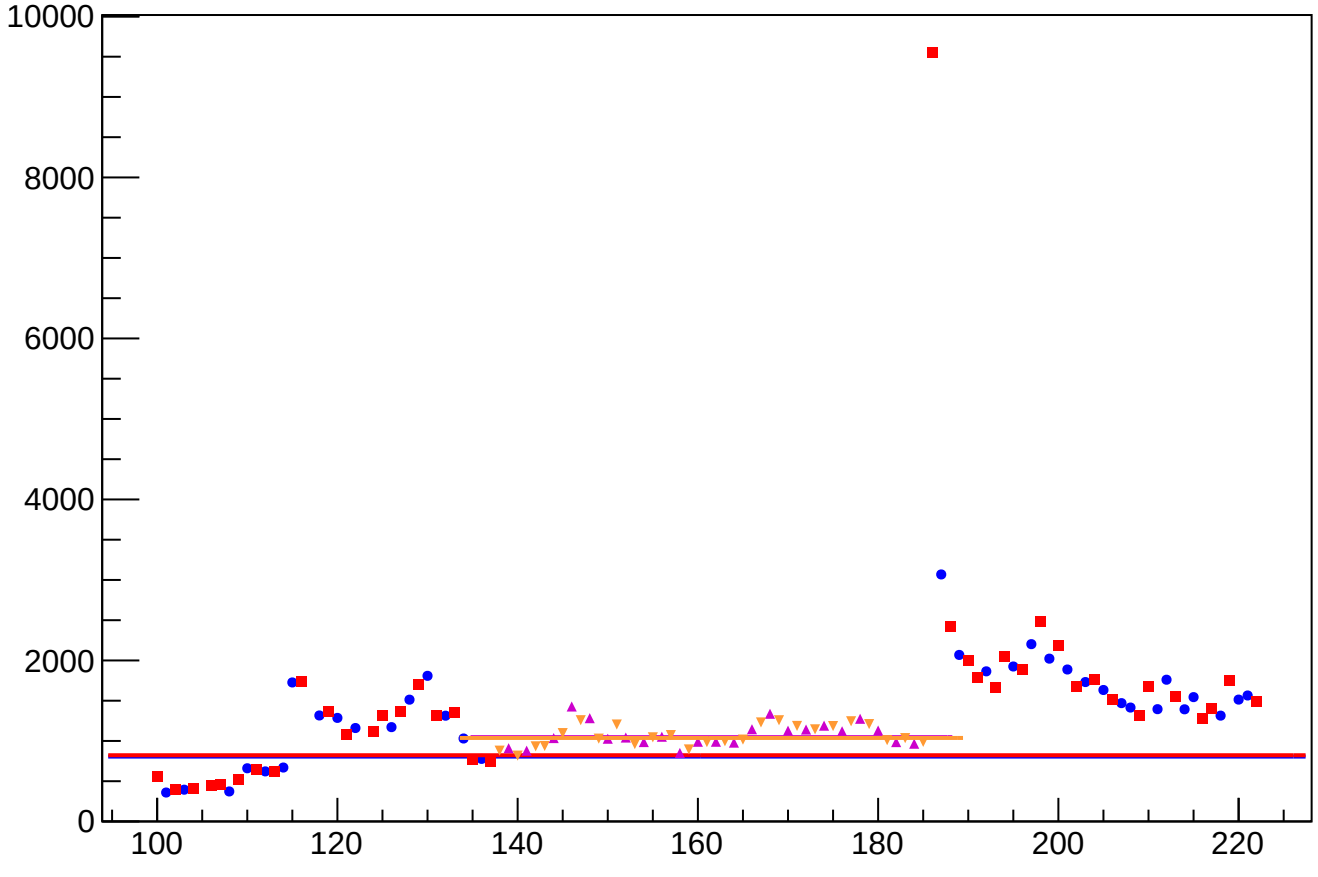
Right: -350.296+/-147.521 χ^2/NDF: 91.1/71

In: -295.343+/-158.891 χ^2/NDF:88.1/56

Out: -14.977+/-157.400 χ^2/NDF:74.3/62

All: -153.839+/-111.822 χ^2/NDF: 164.0/119

asym_sam6_rms vs Slug, Sign Corrected



Right In: 805.904+/-0.147 χ^2/NDF: 13553042.8/33

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 822.591+/-0.148 χ^2/NDF: 13646395.2/37

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

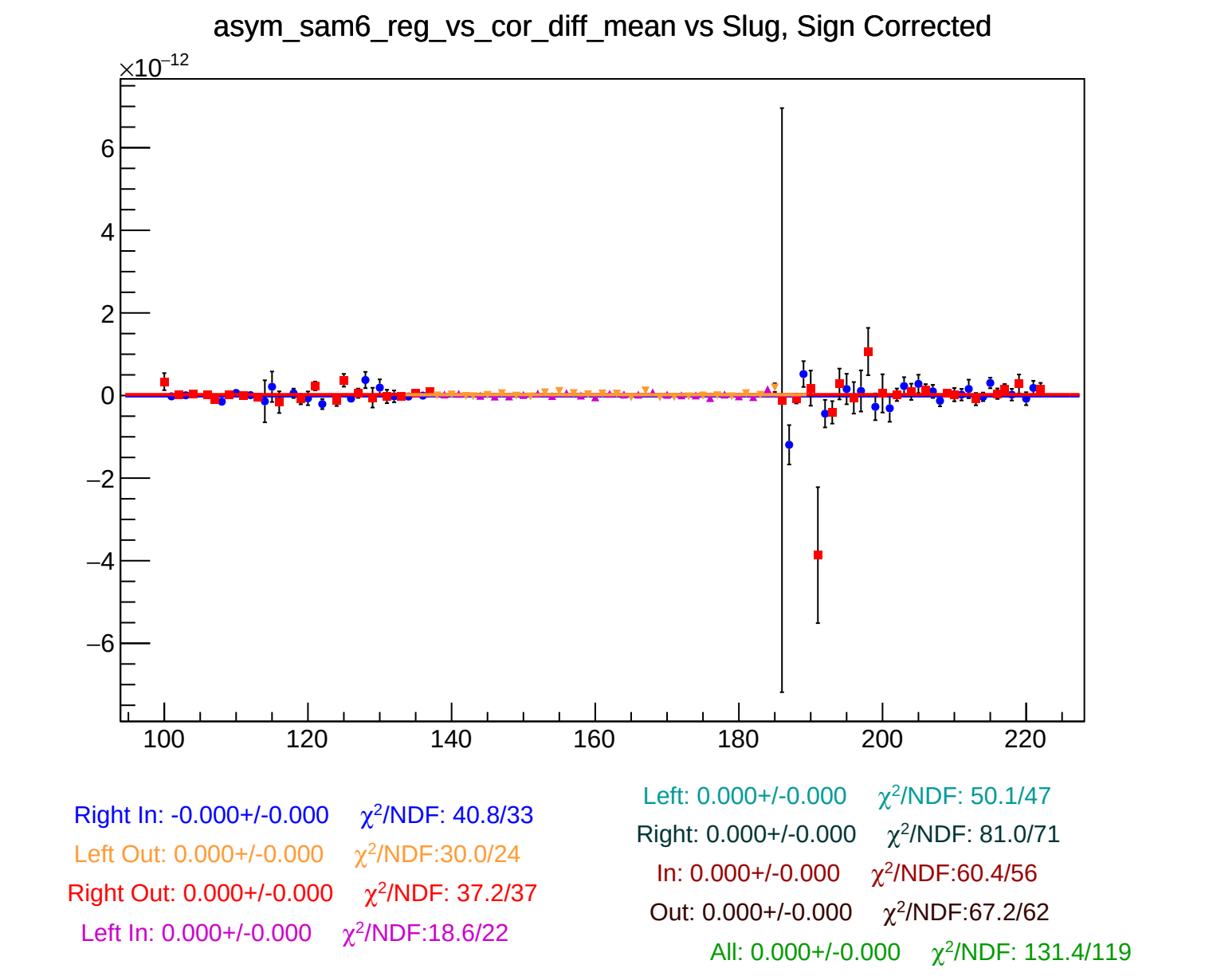
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

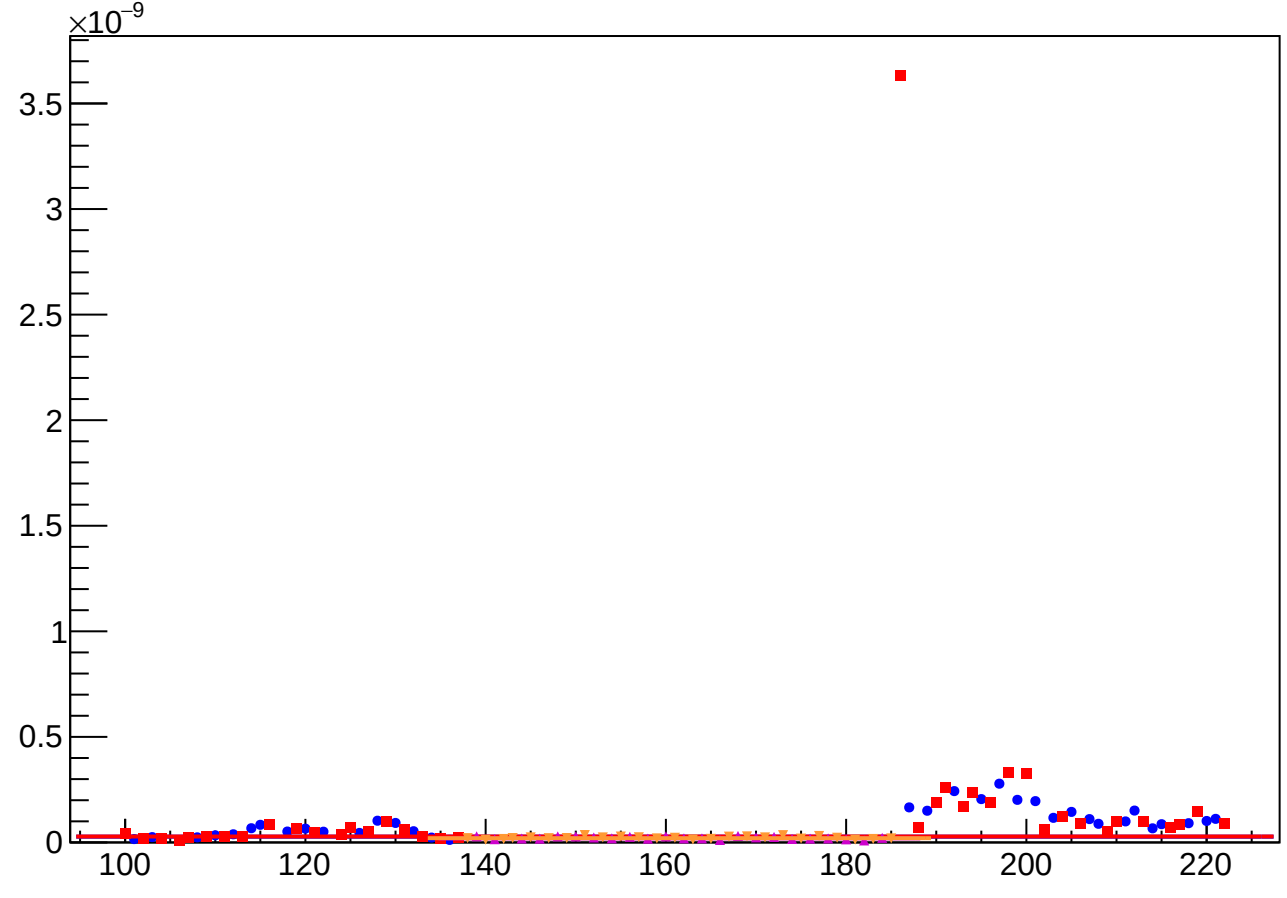
Right: 814.150+/-0.104 χ^2/NDF: 27205835.2/71

In: 905.769+/-0.112 χ^2/NDF:15288688.4/56

Out: 916.533+/-0.111 χ^2/NDF:15147941.3/62

All: 911.202+/-0.079 χ^2/NDF: 30441262.2/11


asym_sam6_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
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:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.2/37
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 81.0/71
In: 0.000+/-0.000 χ²/NDF:60.4/56
Out: 0.000+/-0.000 χ²/NDF:67.2/62
All: 0.000+/-0.000 χ²/NDF: 131.4/119



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: 9927923.4/37

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

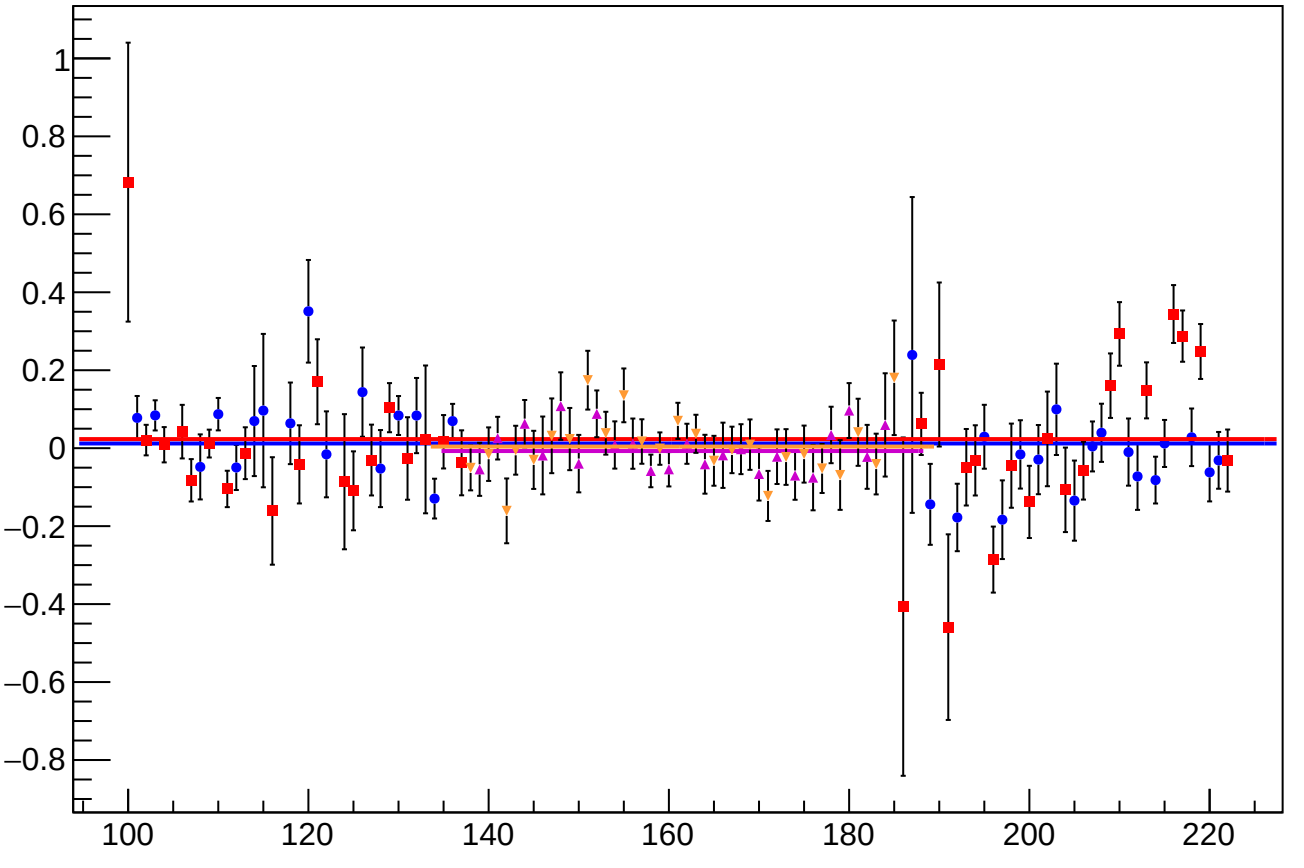
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20991165.2/71

In: 0.000+/-0.000 χ^2/NDF:12737979.3/56

Out: 0.000+/-0.000 χ^2/NDF:11475980.7/62

All: 0.000+/-0.000 χ^2/NDF: 24225069.8/119



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: 0.023+/-0.012 χ^2/NDF: 112.8/37

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

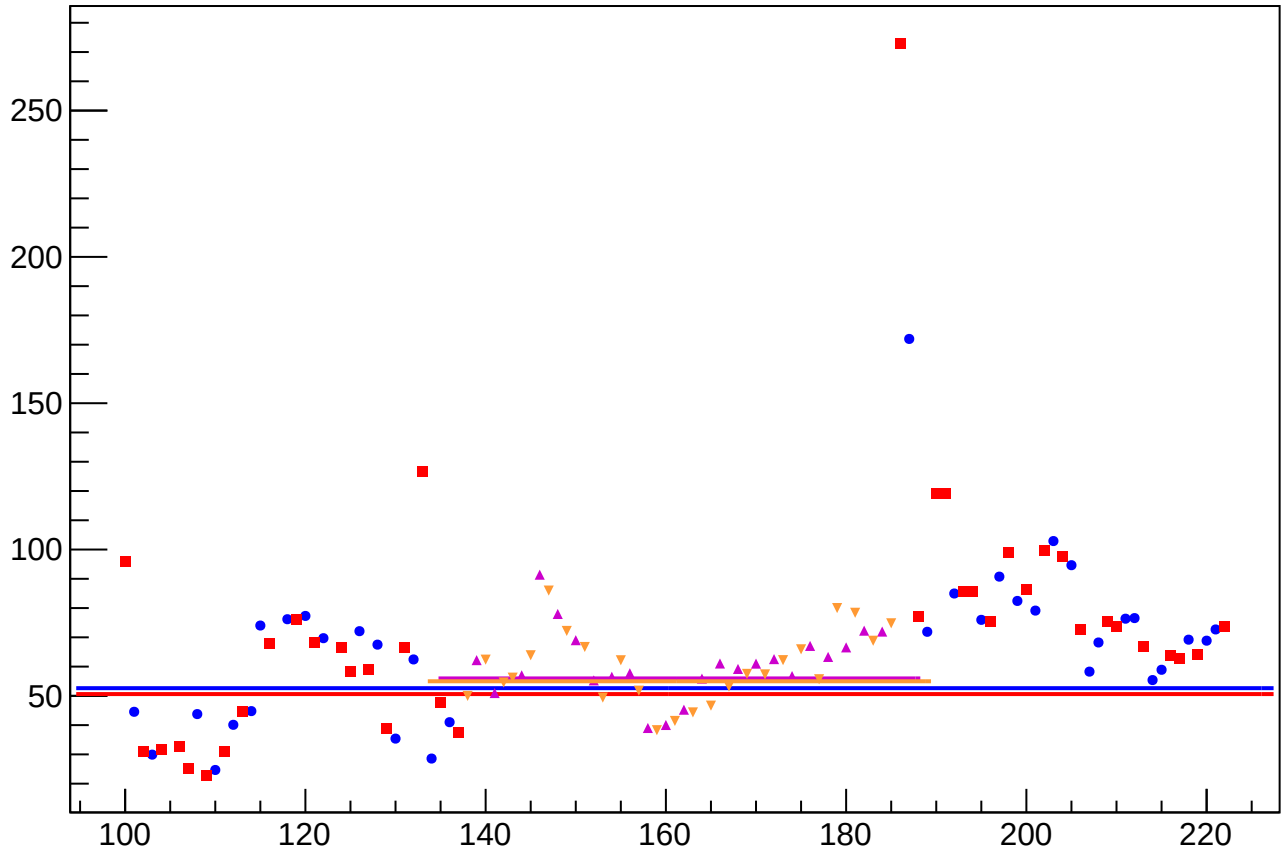
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 163.1/71

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.014+/-0.009 χ^2/NDF:138.7/62

All: 0.009+/-0.006 χ^2/NDF: 205.6/119



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: 50.610+/-0.009 χ^2/NDF: 8035269.3/37

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

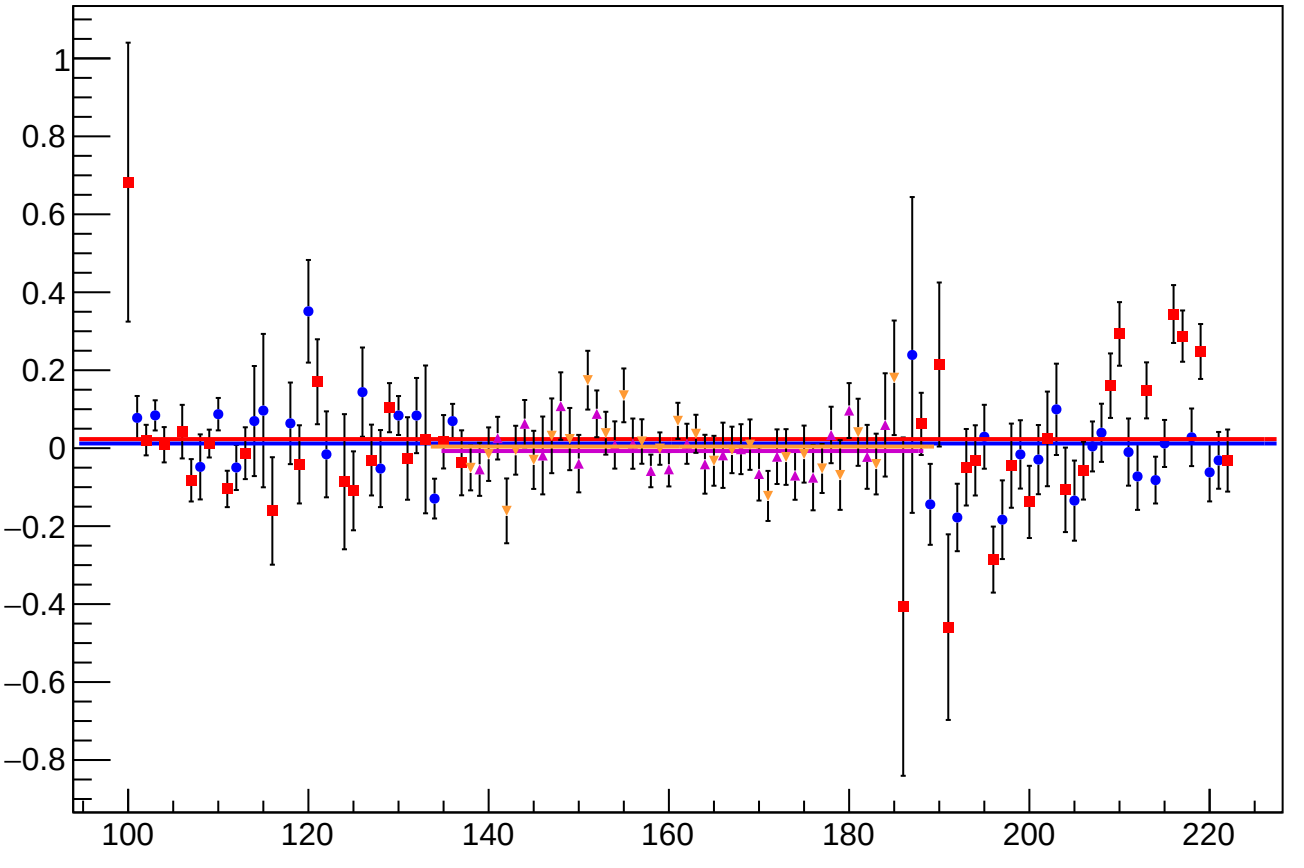
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.607+/-0.006 χ^2/NDF: 13870479.4/71

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.662+/-0.006 χ^2/NDF:9723314.1/62

All: 53.381+/-0.004 χ^2/NDF: 17030725.1/119



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: 0.023+/-0.012 χ^2/NDF: 112.8/37

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

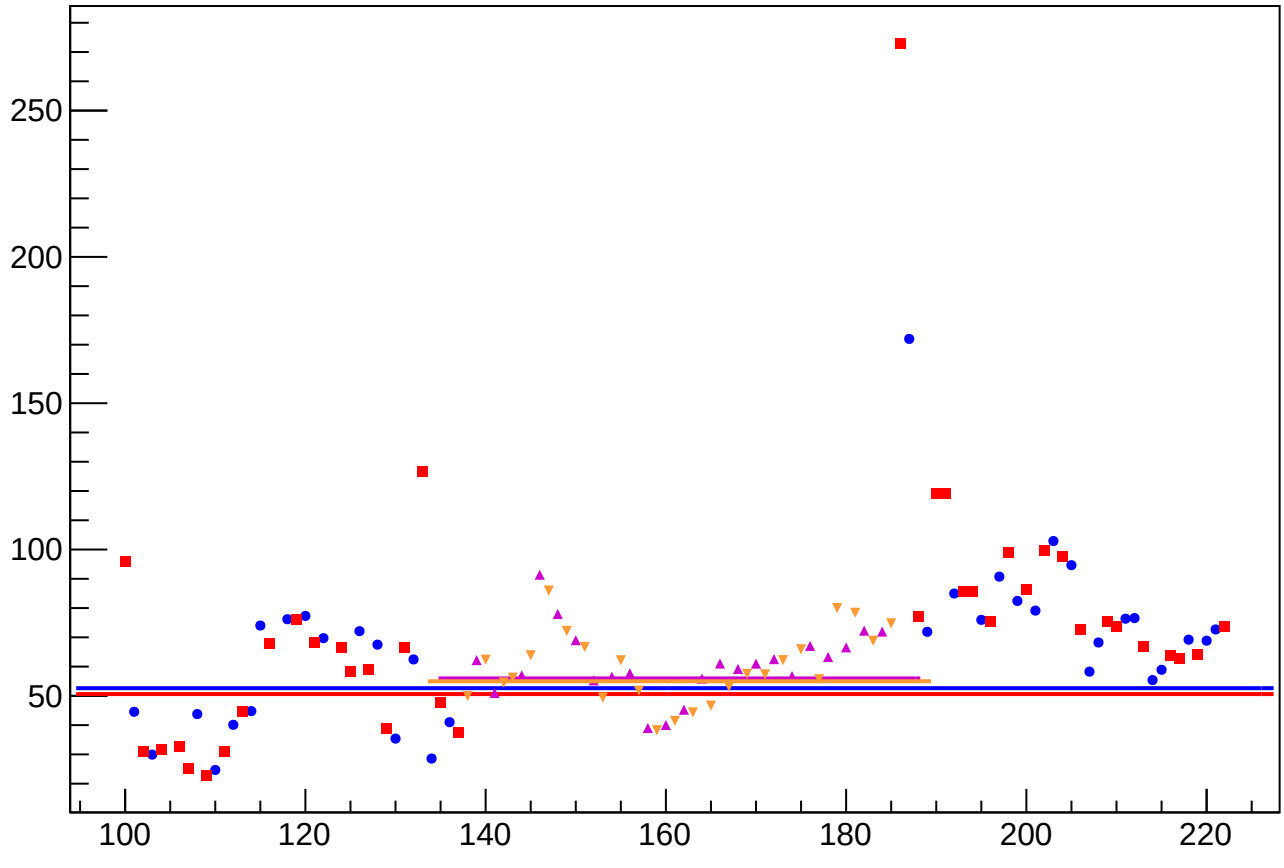
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 163.1/71

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.014+/-0.009 χ^2/NDF:138.7/62

All: 0.009+/-0.006 χ^2/NDF: 205.6/119



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: 50.610+/-0.009 χ^2/NDF: 8035269.3/37

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

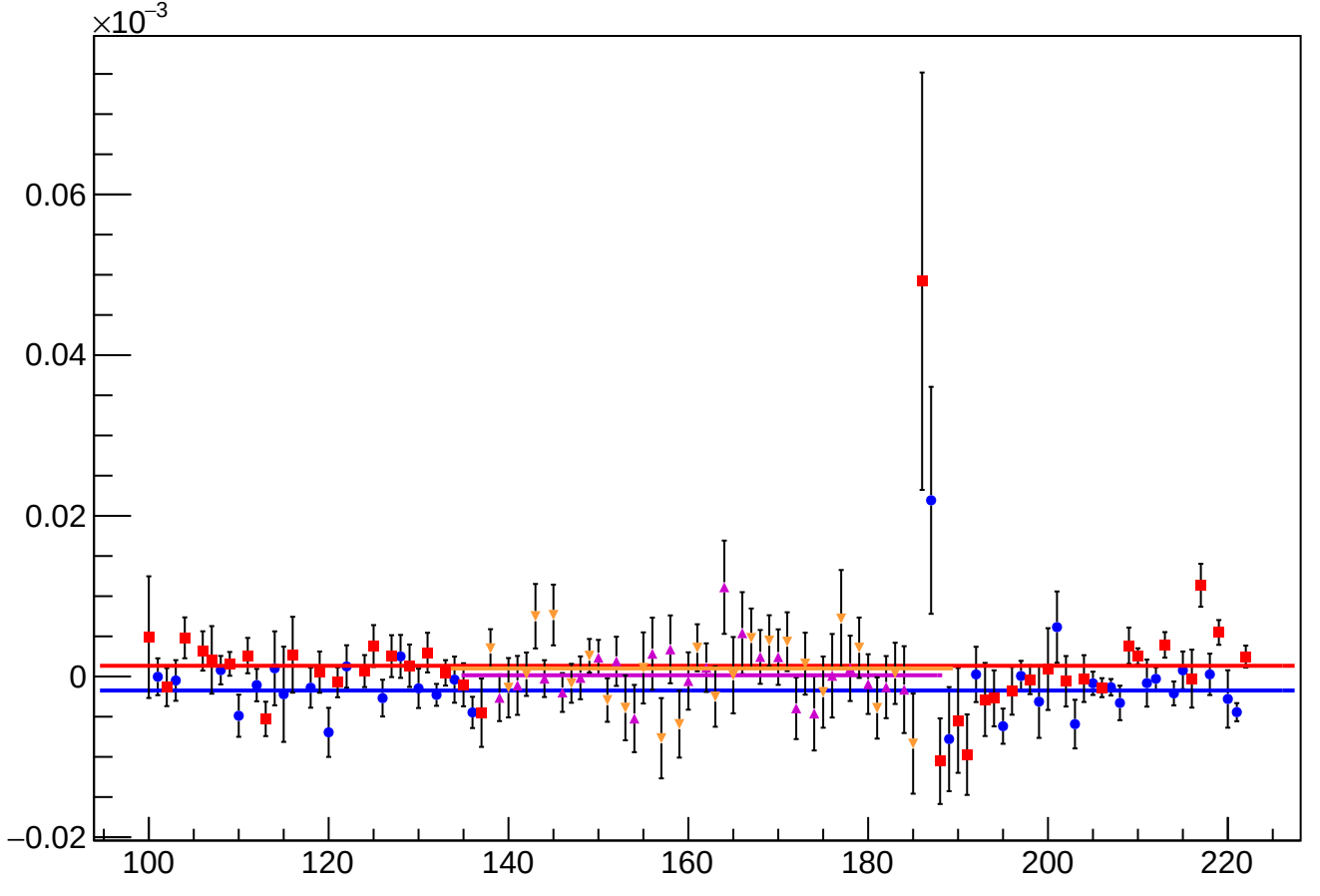
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.607+/-0.006 χ^2/NDF: 13870479.4/71

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.662+/-0.006 χ^2/NDF:9723314.1/62

All: 53.381+/-0.004 χ^2/NDF: 17030725.1/119



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: 71.9/37

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

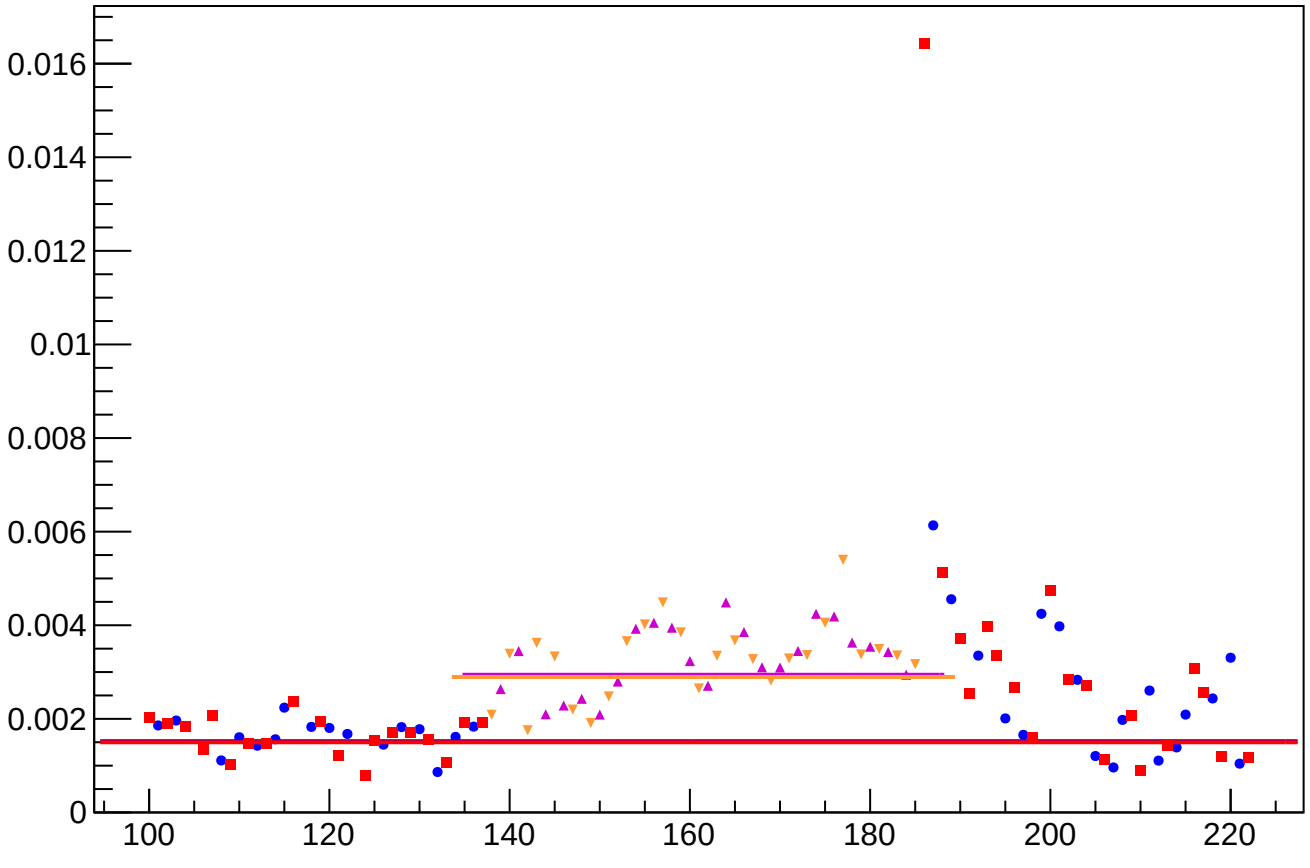
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 146.6/71

In: -0.000+/-0.000 χ^2/NDF:57.8/56

Out: 0.000+/-0.000 χ^2/NDF:100.6/62

All: -0.000+/-0.000 χ^2/NDF: 192.0/119



Right In: 0.002+/-0.000 χ^2/NDF: 6381598.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7869345.4/37

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

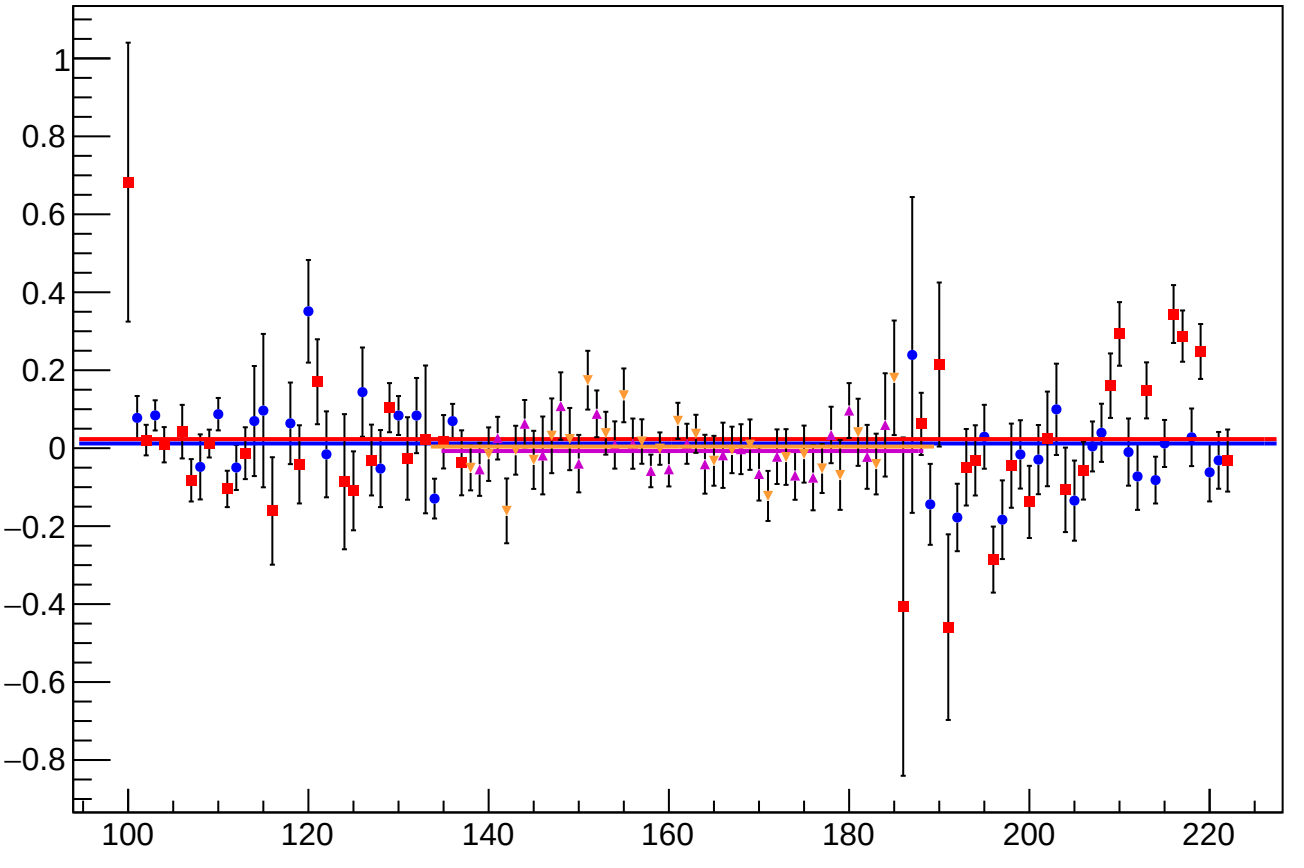
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 14254699.2/71

In: 0.002+/-0.000 χ^2/NDF:14630554.1/56

Out: 0.002+/-0.000 χ^2/NDF:17001138.5/62

All: 0.002+/-0.000 χ^2/NDF: 31633756.3/119



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: 0.023+/-0.012 χ^2/NDF: 112.8/37

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

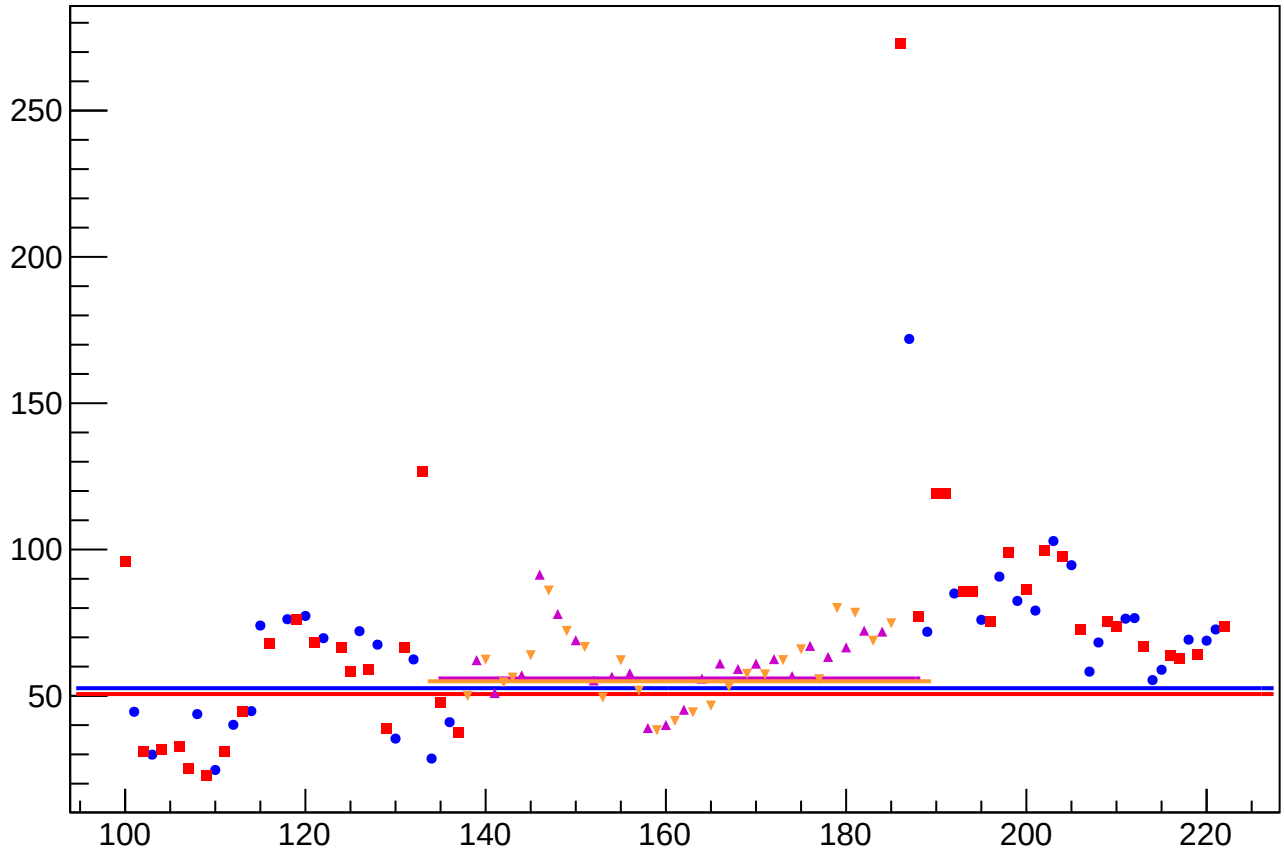
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 163.1/71

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.014+/-0.009 χ^2/NDF:138.7/62

All: 0.009+/-0.006 χ^2/NDF: 205.6/119



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: 50.610+/-0.009 χ^2/NDF: 8035311.9/37

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

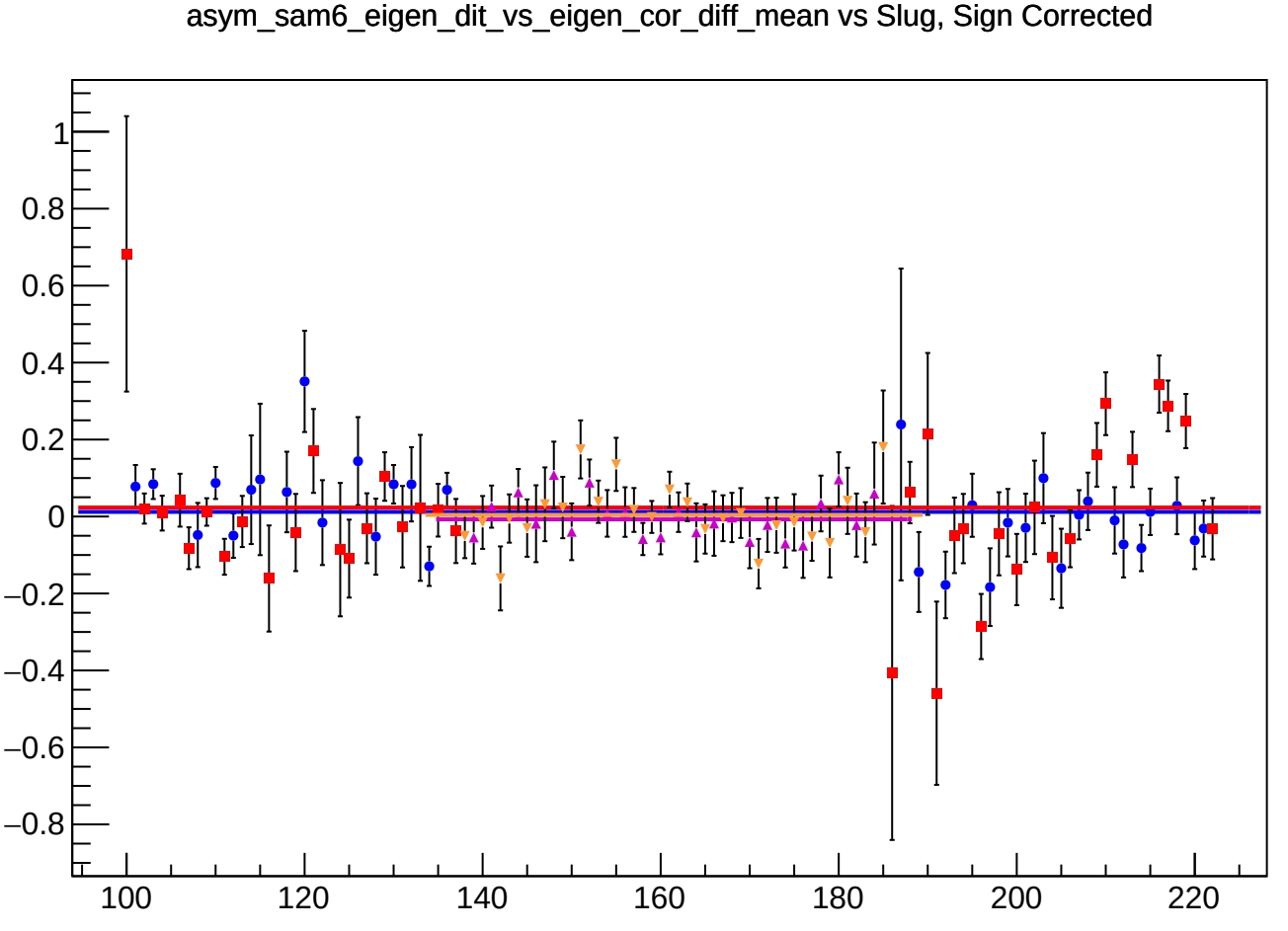
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 51.607+/-0.006 χ^2/NDF: 13870699.2/71

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.662+/-0.006 χ^2/NDF:9723442.0/62

All: 53.380+/-0.004 χ^2/NDF: 17031172.5/119



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: 0.023+/-0.012 χ^2/NDF: 112.8/37

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

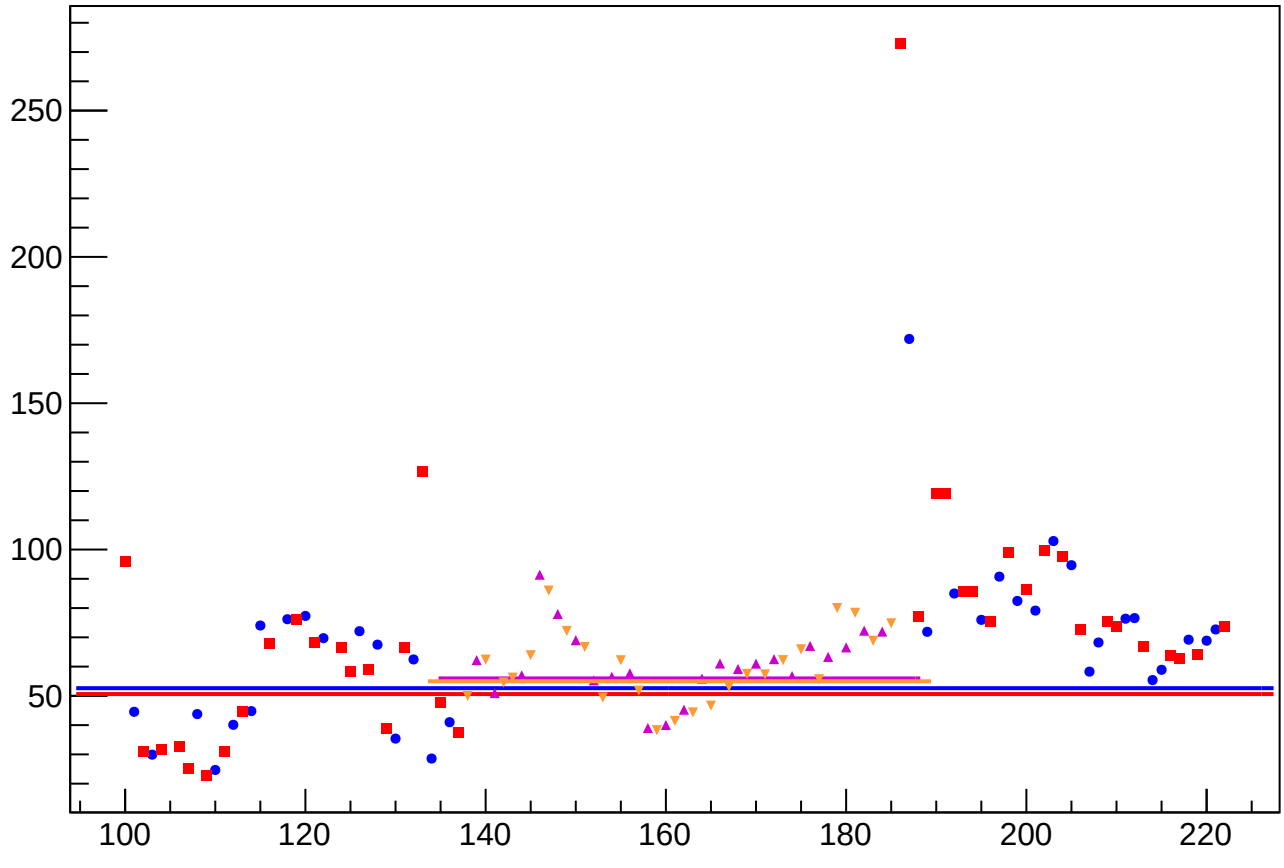
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 163.1/71

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.014+/-0.009 χ^2/NDF:138.7/62

All: 0.009+/-0.006 χ^2/NDF: 205.6/119



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: 50.610+/-0.009 χ^2/NDF: 8035311.9/37

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

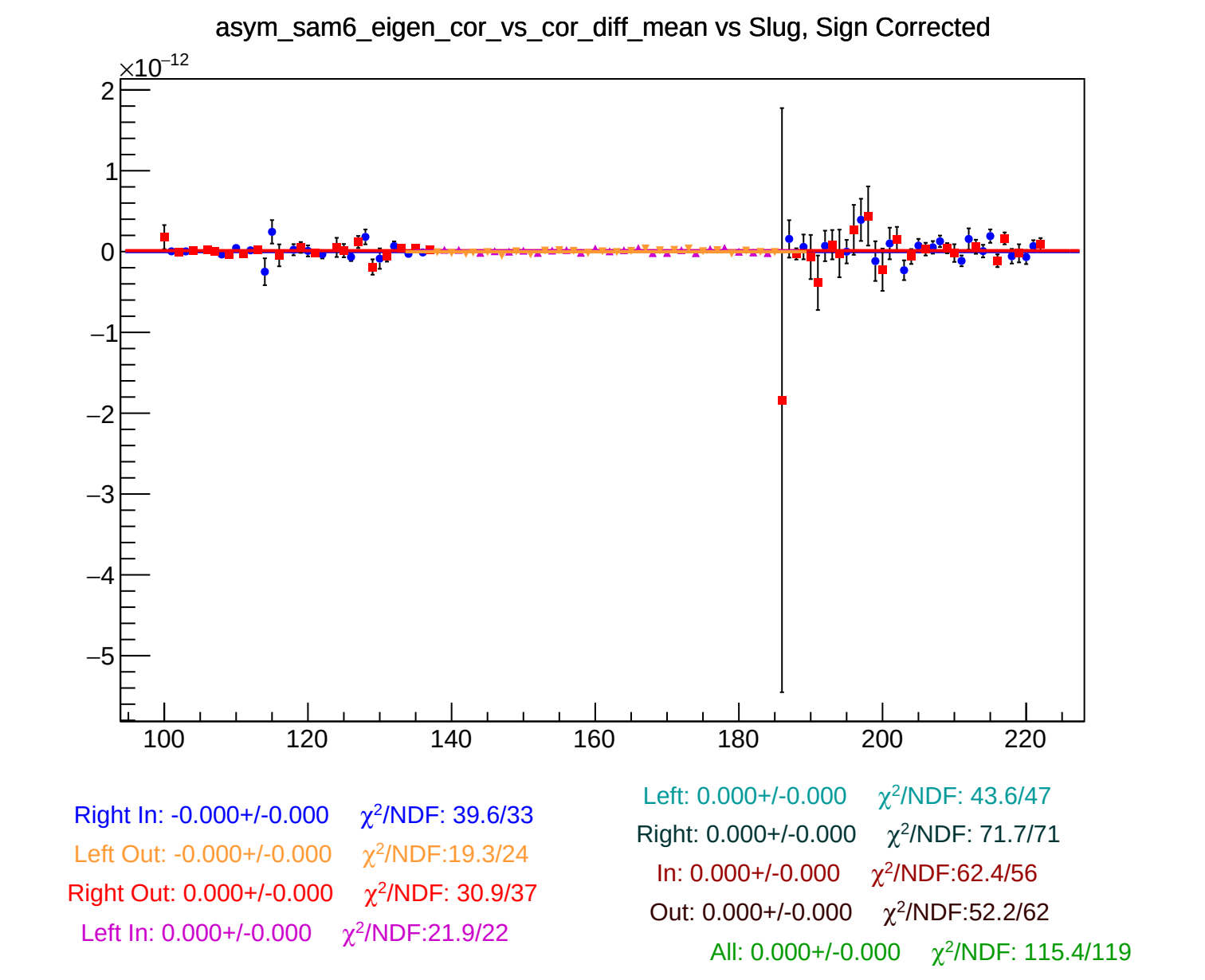
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

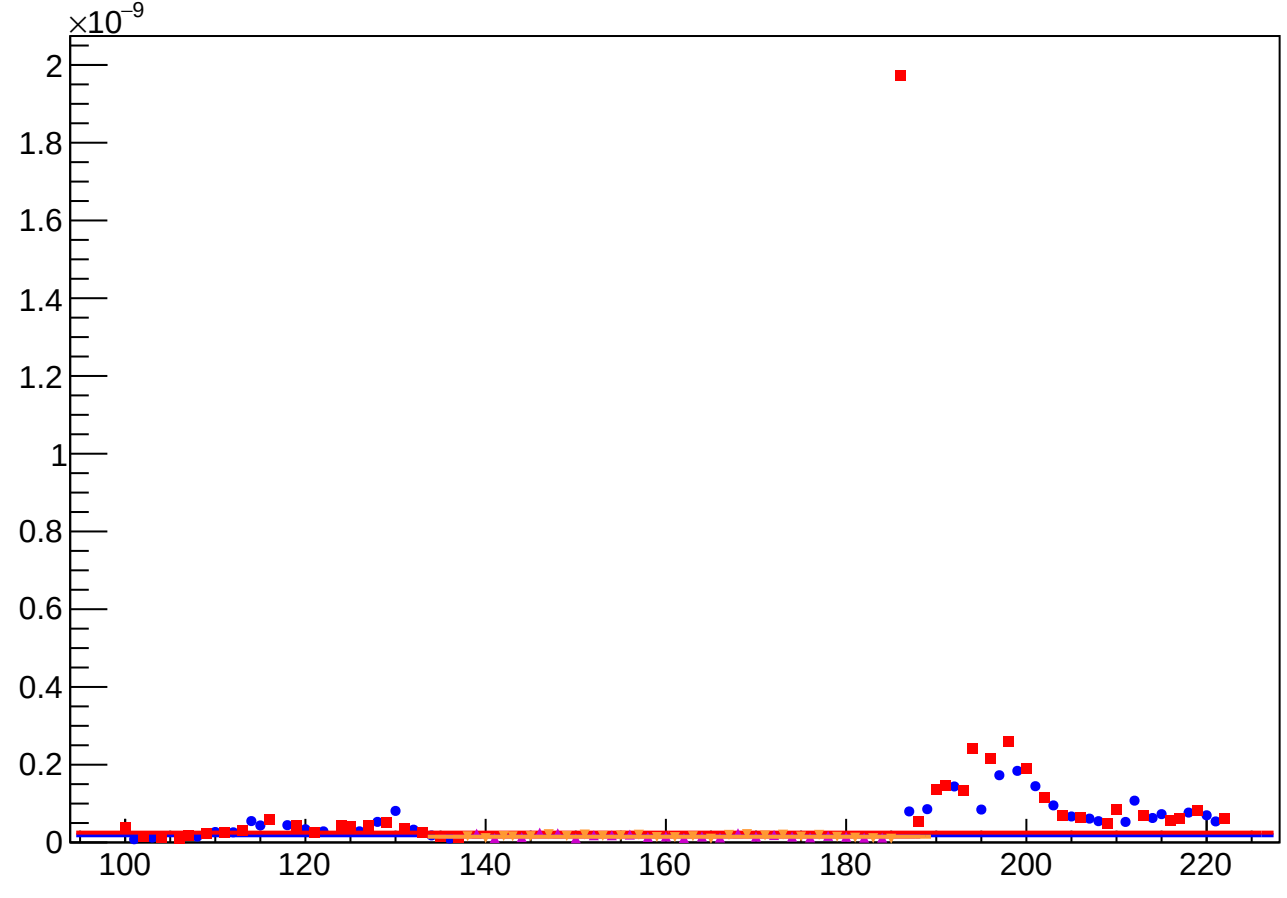
Right: 51.607+/-0.006 χ^2/NDF: 13870699.2/71

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.662+/-0.006 χ^2/NDF:9723442.0/62

All: 53.380+/-0.004 χ^2/NDF: 17031172.5/119


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: 30.9/37
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: 71.7/71
In: 0.000+/-0.000 χ²/NDF:62.4/56
Out: 0.000+/-0.000 χ²/NDF:52.2/62
All: 0.000+/-0.000 χ²/NDF: 115.4/119



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: 13518803.8/37

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

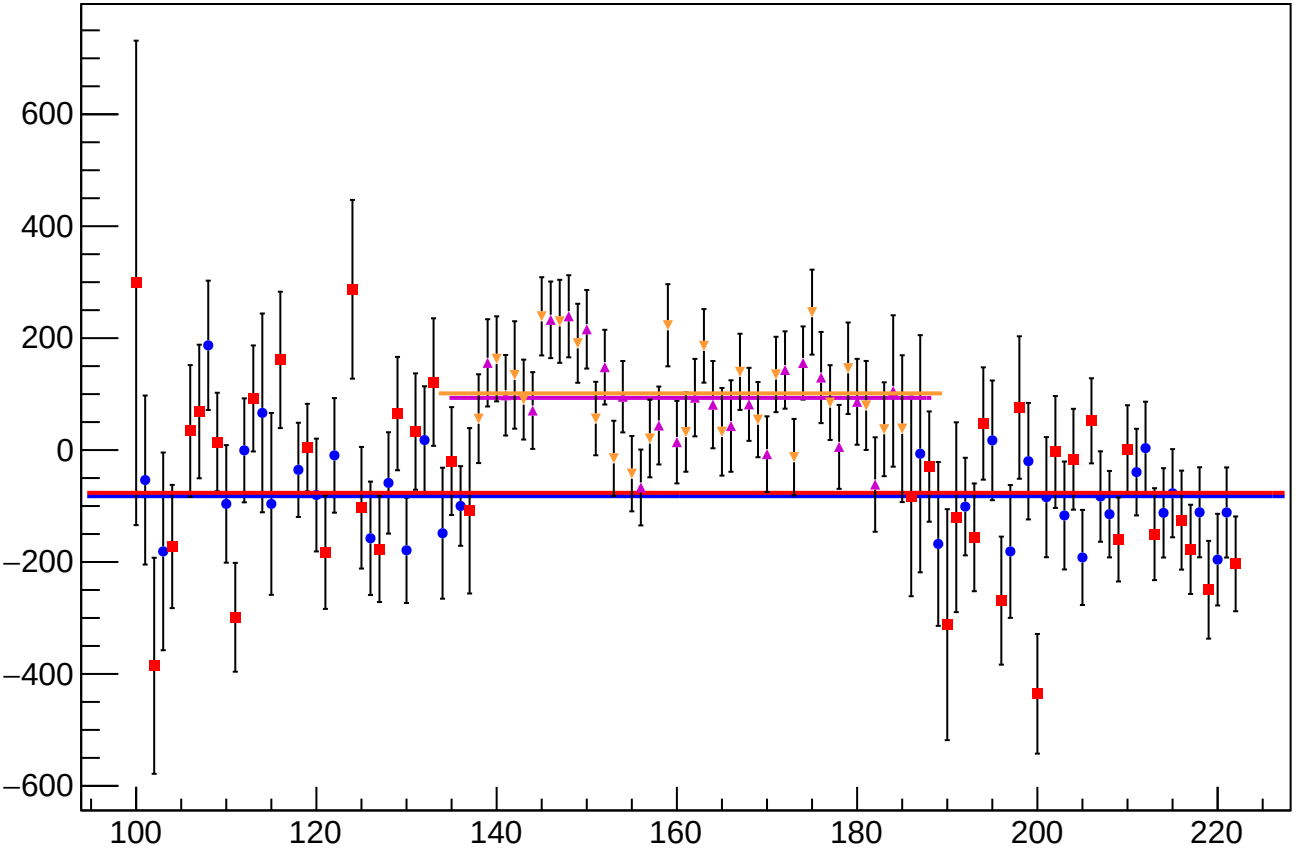
Right: 0.000+/-0.000 χ^2/NDF: 30149642.2/71

In: 0.000+/-0.000 χ^2/NDF:17666252.6/56

Out: 0.000+/-0.000 χ^2/NDF:17384437.5/62

All: 0.000+/-0.000 χ^2/NDF: 35100460.9/119

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -82.399+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -76.386+/-16.554 χ^2/NDF: 69.0/37

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

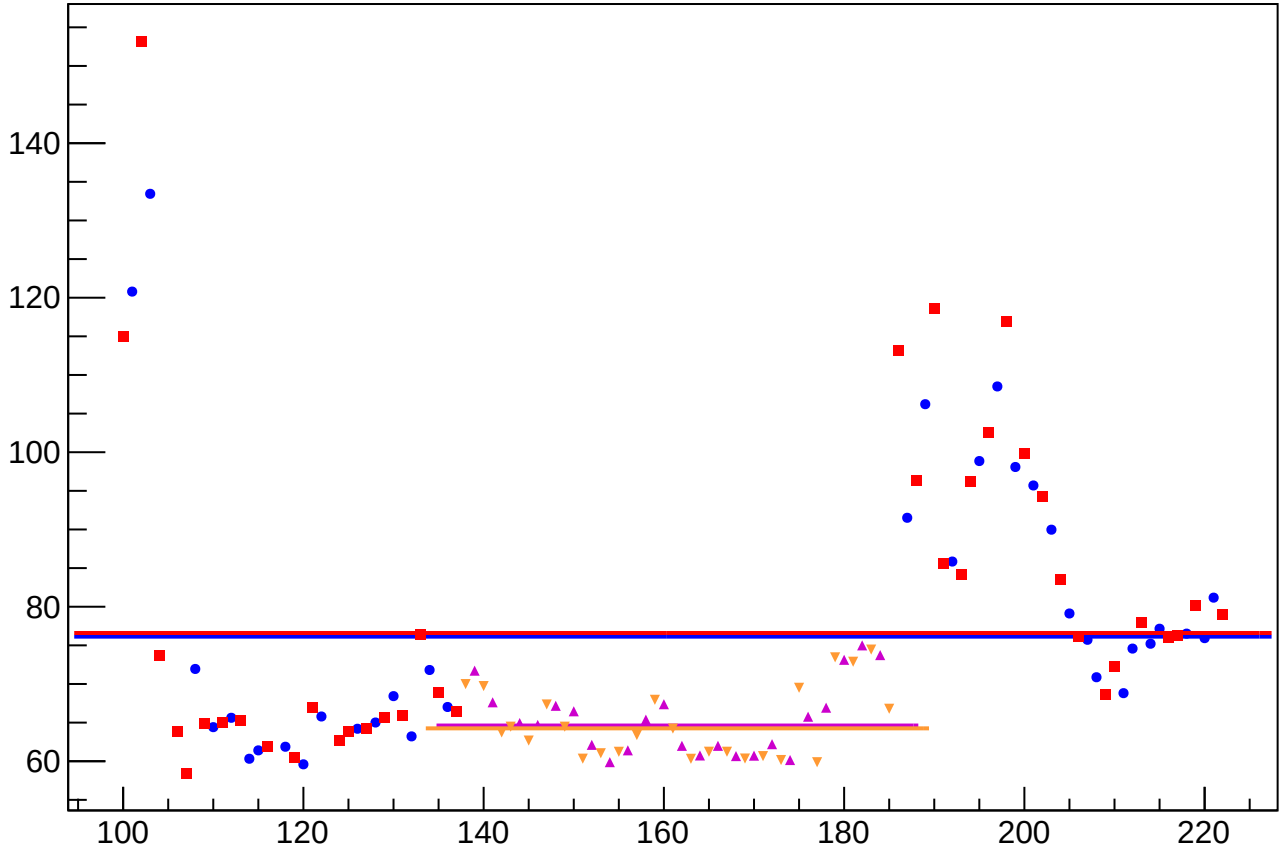
Right: -79.400+/-11.692 χ^2/NDF: 88.4/71

In: 13.049+/-11.159 χ^2/NDF:109.7/56

Out: 23.324+/-10.967 χ^2/NDF:167.5/62

All: 18.275+/-7.822 χ^2/NDF: 277.6/119

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: 76.600+/-0.012 χ^2/NDF: 1617335.3/37

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

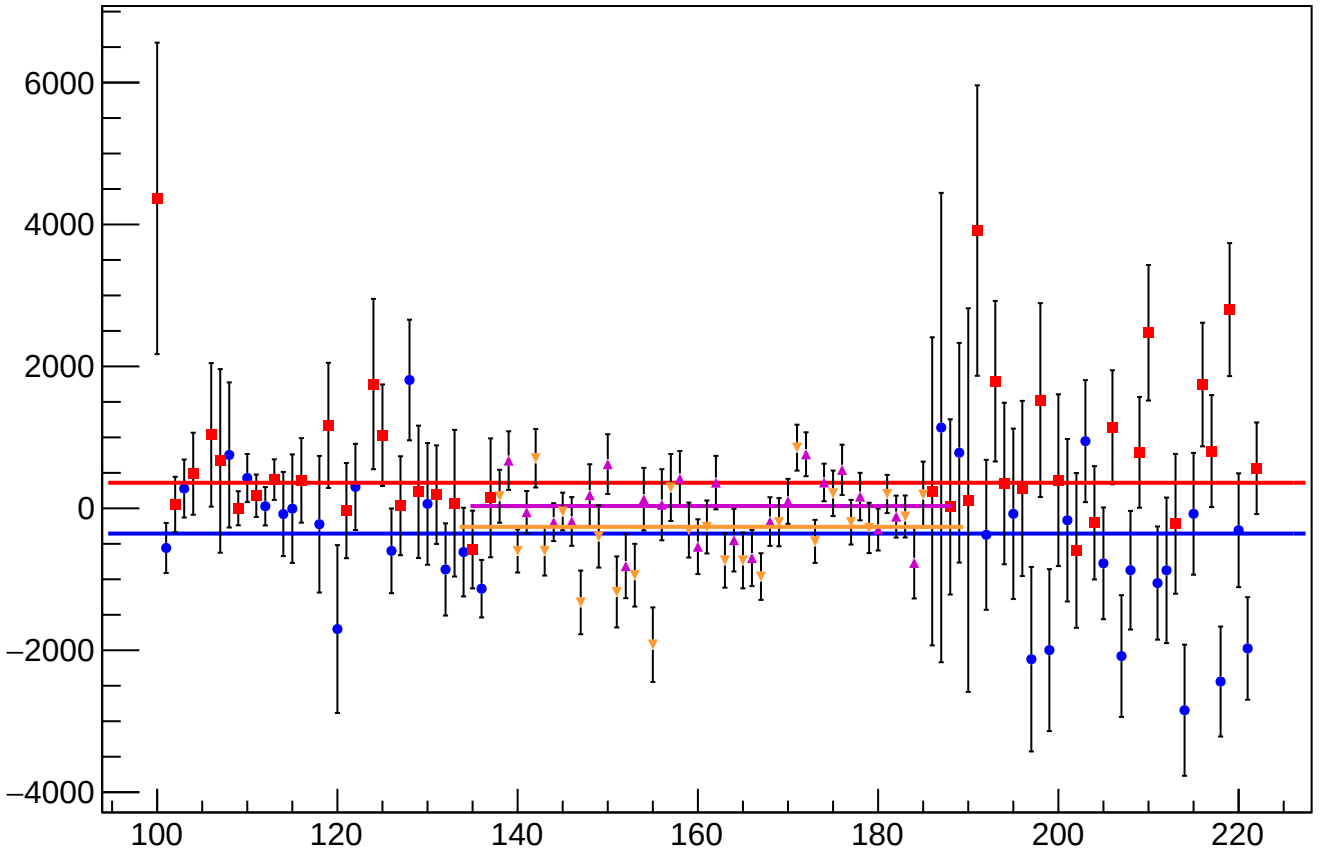
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.364+/-0.008 χ^2/NDF: 2958371.5/71

In: 69.875+/-0.008 χ^2/NDF:2015222.9/56

Out: 69.674+/-0.008 χ^2/NDF:2419053.1/62

All: 69.773+/-0.006 χ^2/NDF: 4434607.0/119



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: 360.505+/-104.857 χ^2/NDF: 36.9/37

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

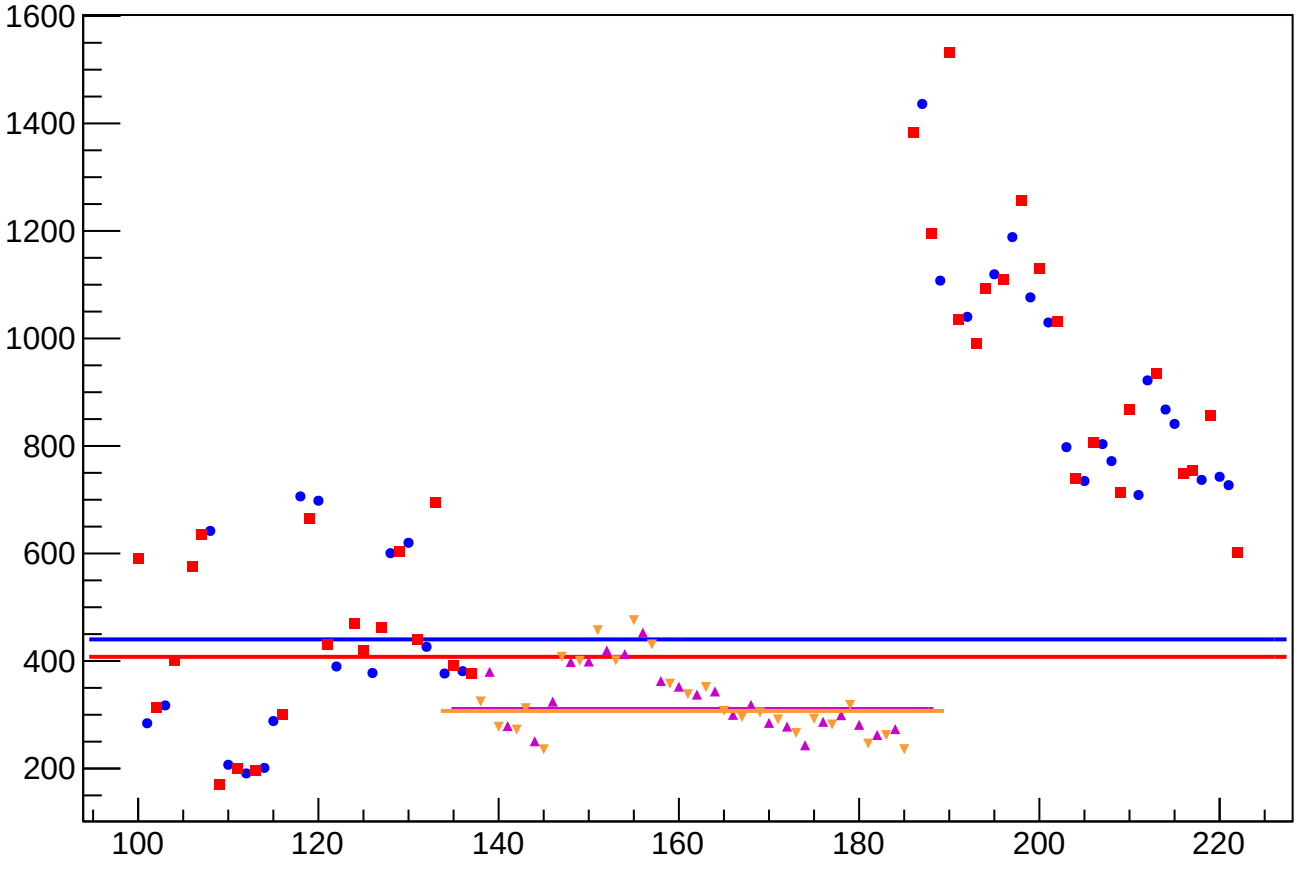
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 18.301+/-75.766 χ^2/NDF: 117.1/71

In: -88.696+/-61.237 χ^2/NDF:98.3/56

Out: -64.700+/-58.943 χ^2/NDF:119.7/62

All: -76.240+/-42.467 χ^2/NDF: 218.1/119



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: 407.755+/-0.074 χ^2/NDF: 14084841.7/37

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

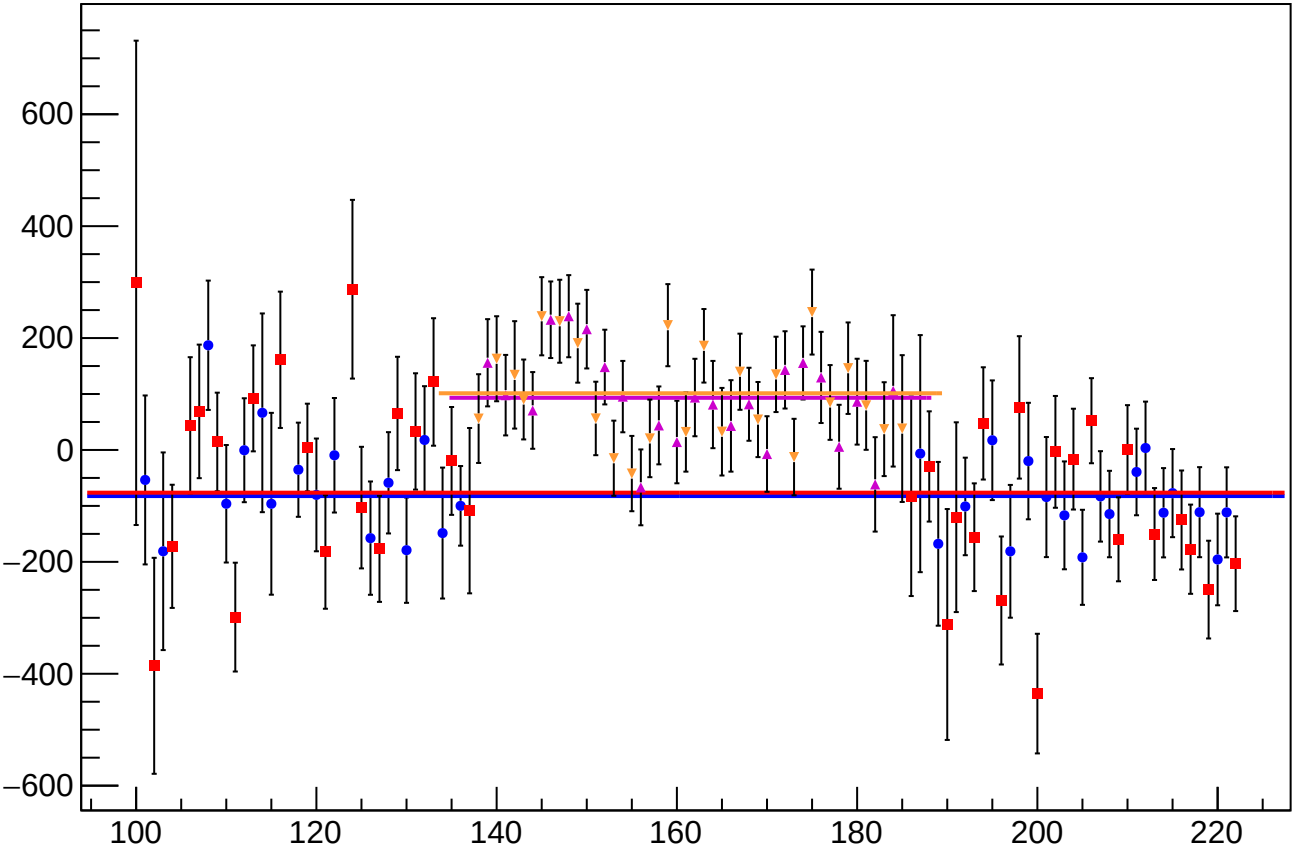
Right: 423.262+/-0.054 χ^2/NDF: 25772425.8/71

In: 351.127+/-0.043 χ^2/NDF:14596248.3/56

Out: 338.935+/-0.042 χ^2/NDF:16664492.4/62

All: 344.798+/-0.030 χ^2/NDF: 31301891.8/11

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: -76.346+/-16.565 χ^2/NDF: 69.1/37

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

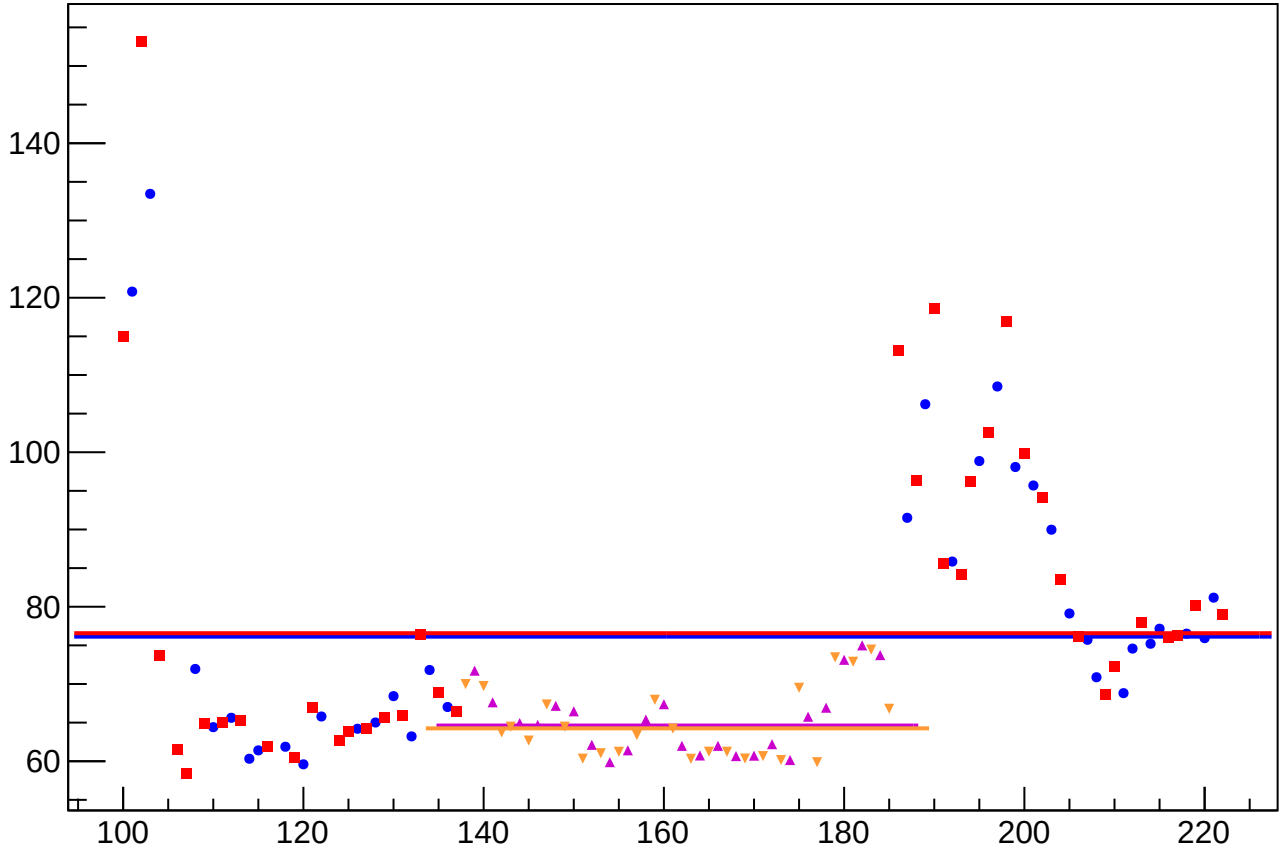
Right: -79.382+/-11.695 χ^2/NDF: 88.5/71

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 23.399+/-10.971 χ^2/NDF:167.5/62

All: 18.311+/-7.823 χ^2/NDF: 277.6/119

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: 76.573+/-0.012 χ^2/NDF: 1624655.1/37

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

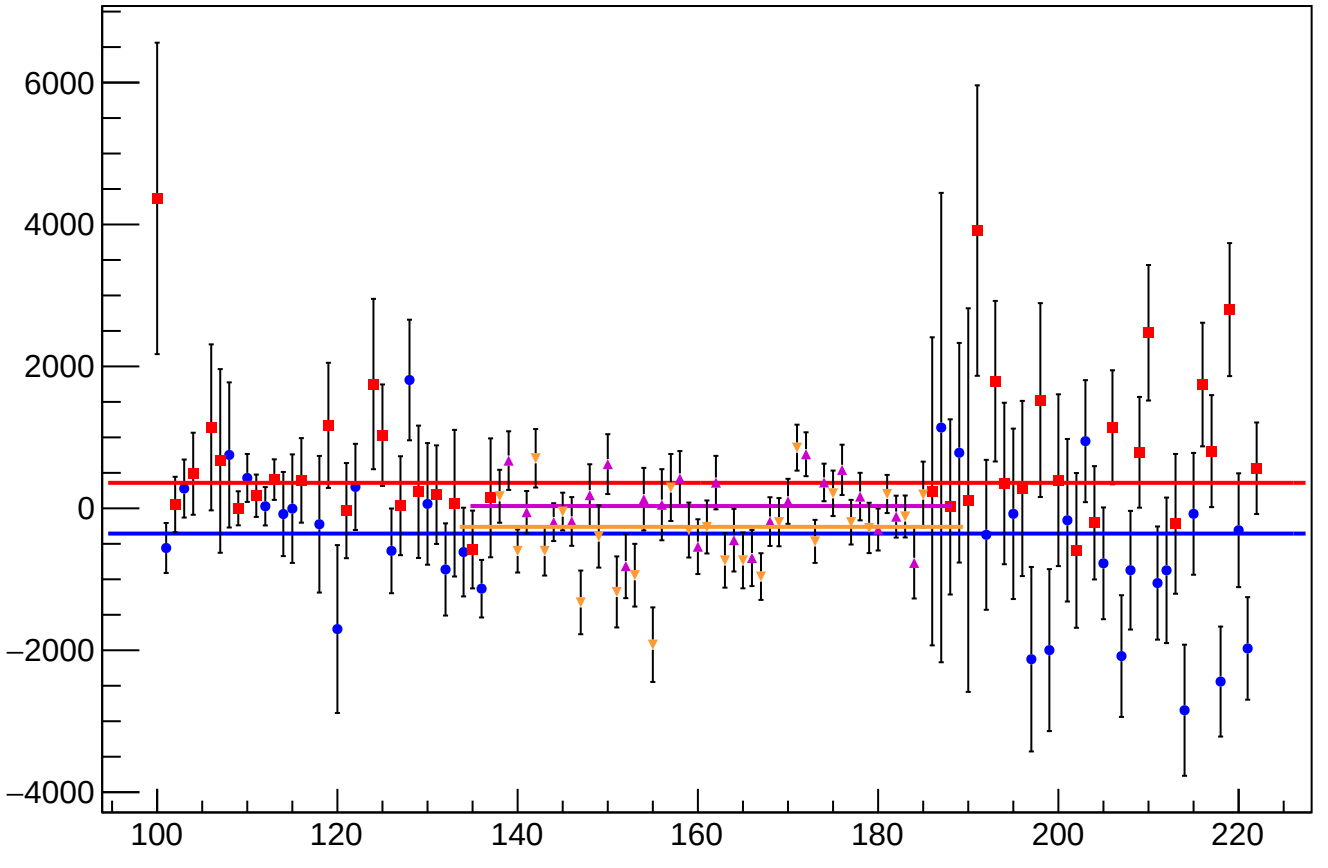
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.351+/-0.008 χ^2/NDF: 2965600.2/71

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

Out: 69.658+/-0.008 χ^2/NDF:2423176.4/62

All: 69.765+/-0.006 χ^2/NDF: 4438784.7/119



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: 359.540+/-105.003 χ^2/NDF: 36.9/37

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

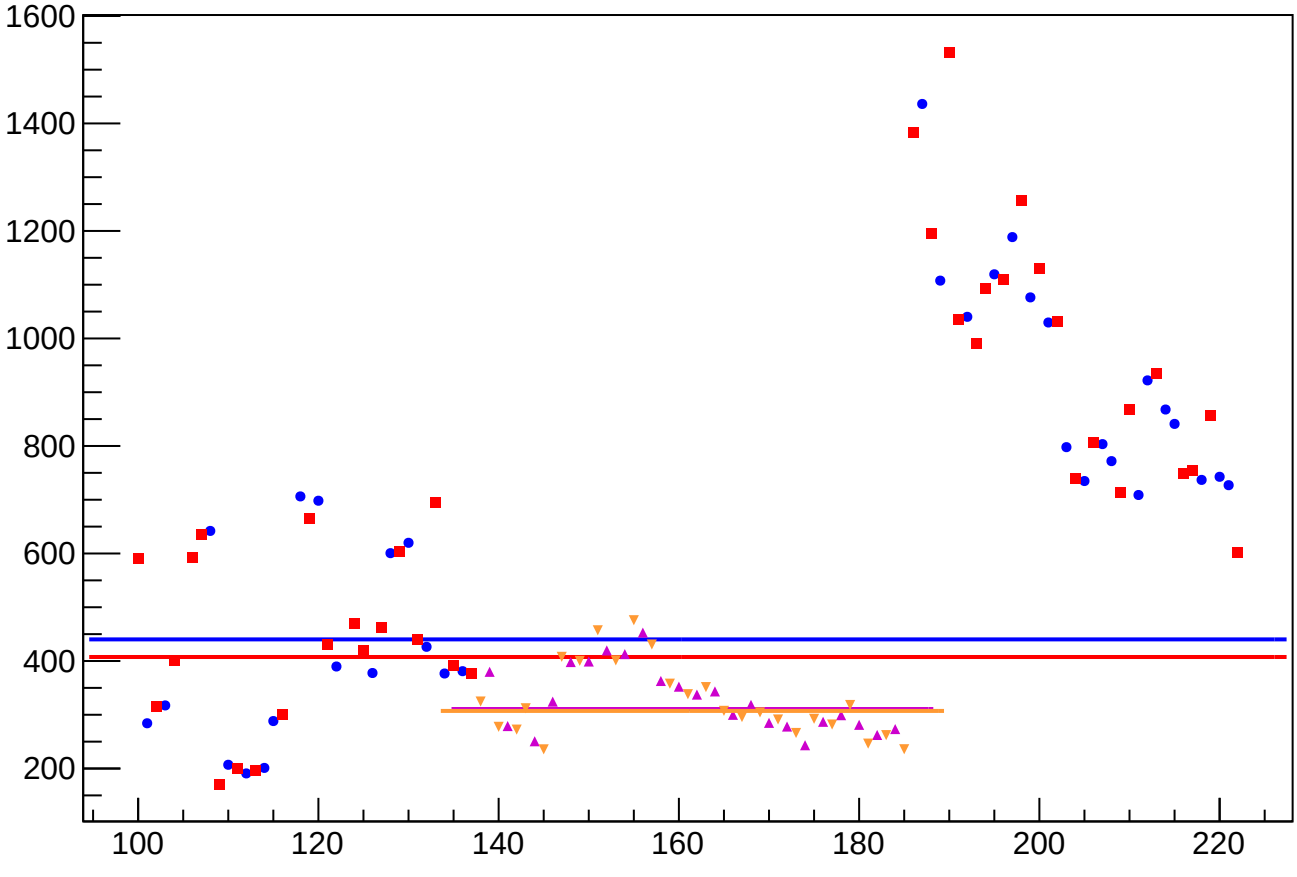
Right: 17.303+/-75.822 χ^2/NDF: 117.0/71

In: -88.697+/-61.237 χ^2/NDF:98.3/56

Out: -65.379+/-58.969 χ^2/NDF:119.6/62

All: -76.598+/-42.476 χ^2/NDF: 218.0/119

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: 407.461+/-0.074 χ^2/NDF: 14079765.6/37

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

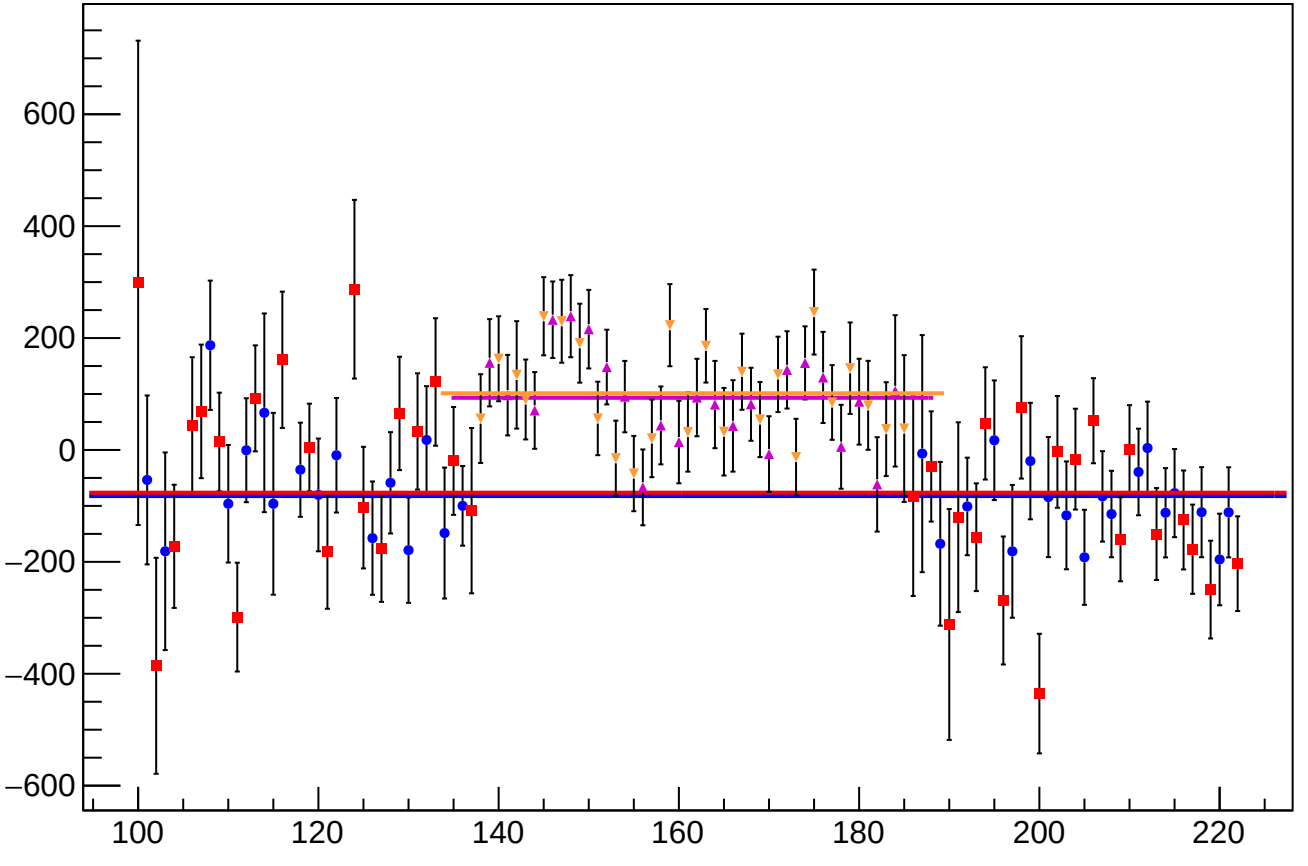
Right: 423.132+/-0.054 χ^2/NDF: 25768820.5/71

In: 351.127+/-0.043 χ^2/NDF:14596228.8/56

Out: 338.781+/-0.042 χ^2/NDF:16649683.1/62

All: 344.721+/-0.030 χ^2/NDF: 31288091.0/11

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -82.400+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -76.346+/-16.565 χ^2/NDF: 69.1/37

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

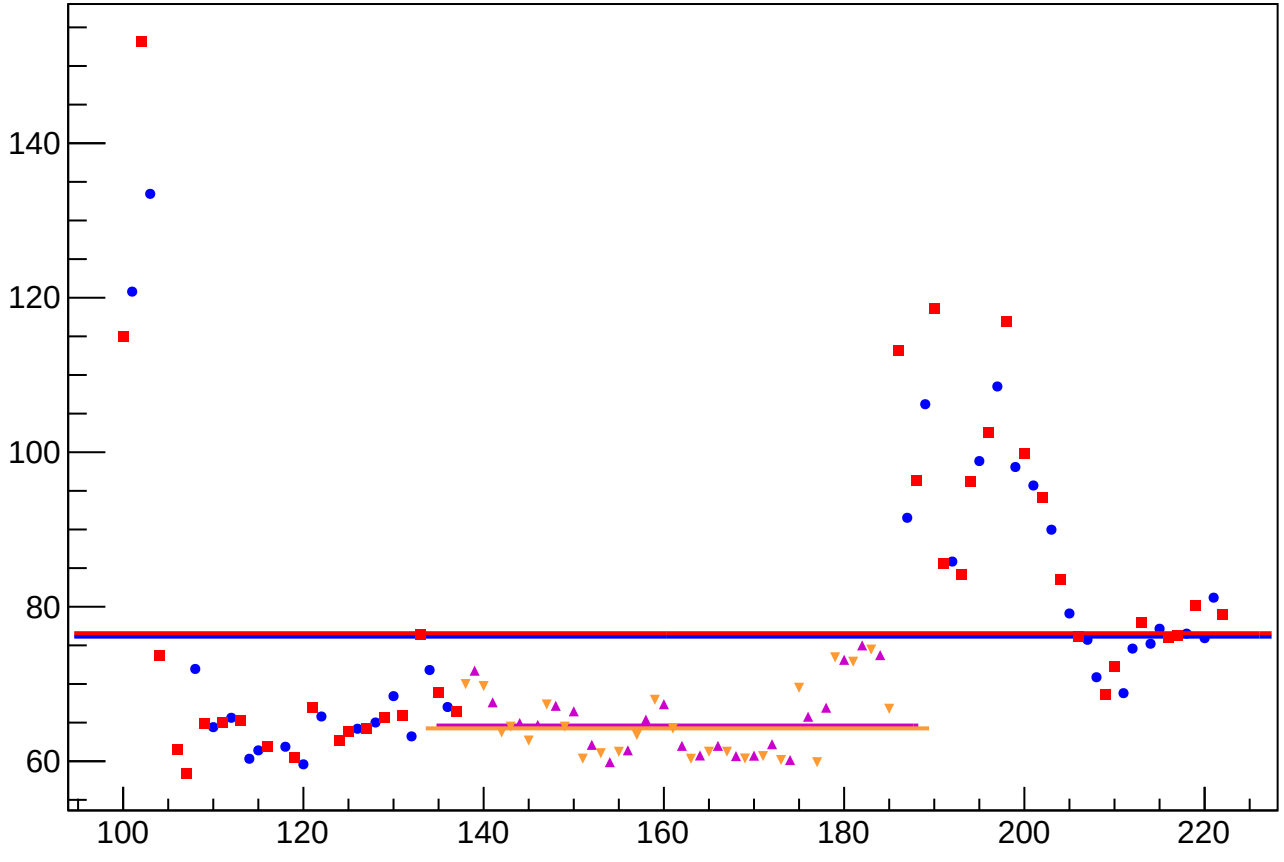
Right: -79.382+/-11.695 χ^2/NDF: 88.5/71

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 23.399+/-10.971 χ^2/NDF:167.5/62

All: 18.311+/-7.823 χ^2/NDF: 277.6/119

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: 76.573+/-0.012 χ^2/NDF: 1624655.1/37

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

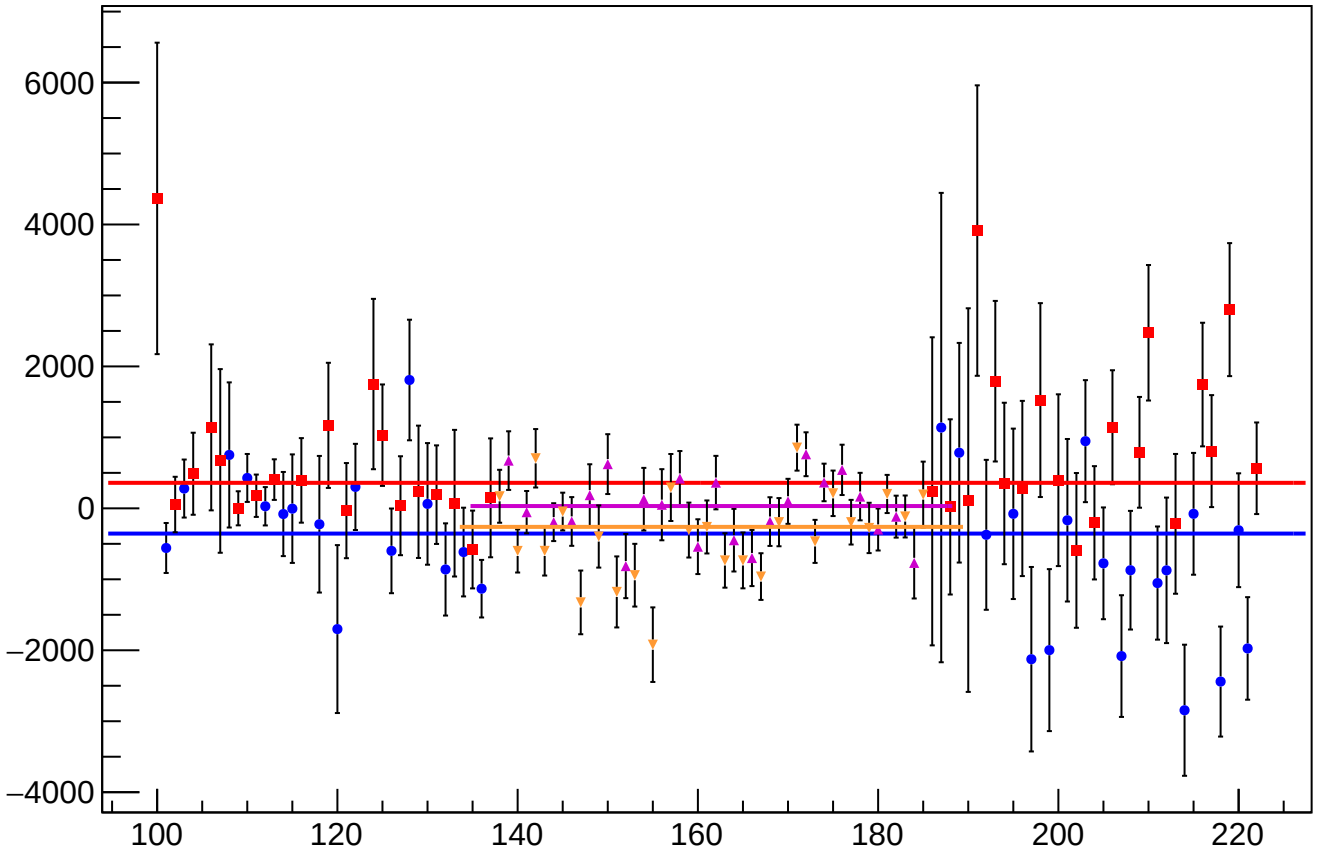
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.351+/-0.008 χ^2/NDF: 2965600.2/71

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

Out: 69.658+/-0.008 χ^2/NDF:2423176.4/62

All: 69.765+/-0.006 χ^2/NDF: 4438784.7/119



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: 359.540+/-105.003 χ^2/NDF: 36.9/37

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

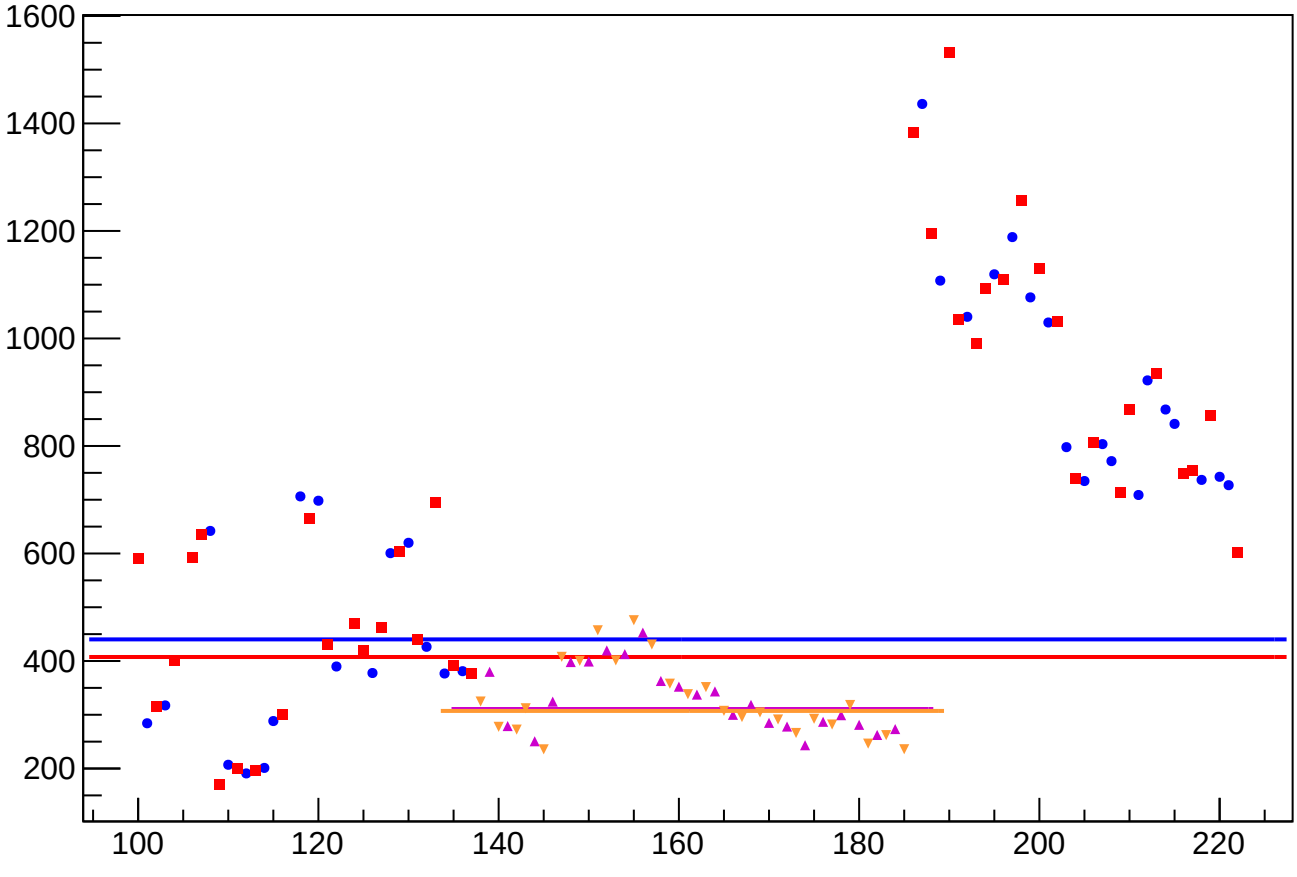
Right: 17.303+/-75.822 χ^2/NDF: 117.0/71

In: -88.697+/-61.237 χ^2/NDF:98.3/56

Out: -65.379+/-58.969 χ^2/NDF:119.6/62

All: -76.598+/-42.476 χ^2/NDF: 218.0/119

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 440.206+/-0.077 χ^2/NDF: 11595973.5/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 407.461+/-0.074 χ^2/NDF: 14079765.6/37

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

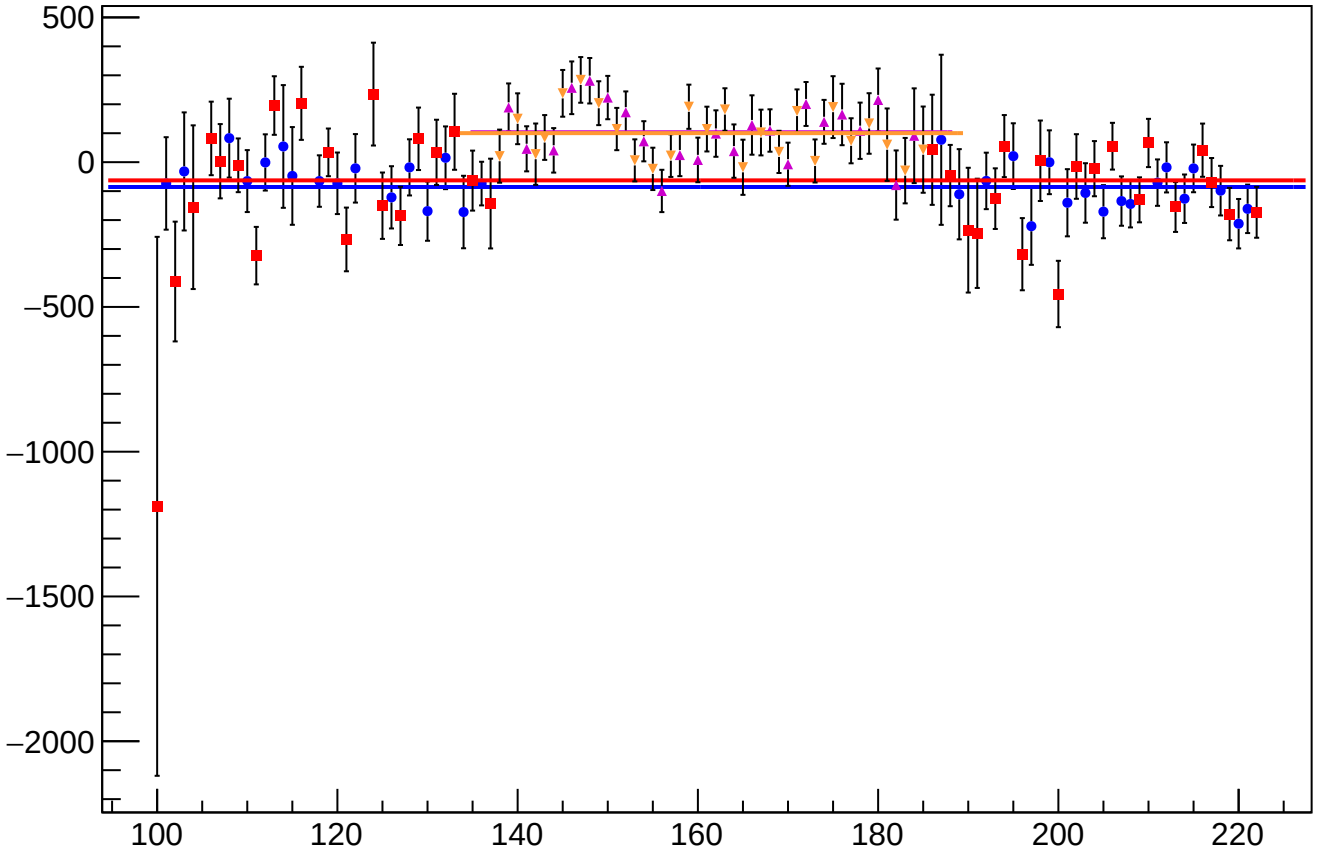
Right: 423.132+/-0.054 χ^2/NDF: 25768820.5/71

In: 351.127+/-0.043 χ^2/NDF:14596228.8/56

Out: 338.781+/-0.042 χ^2/NDF:16649683.1/62

All: 344.721+/-0.030 χ^2/NDF: 31288091.0/11

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: -62.872+/-17.771 χ^2/NDF: 69.2/37

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

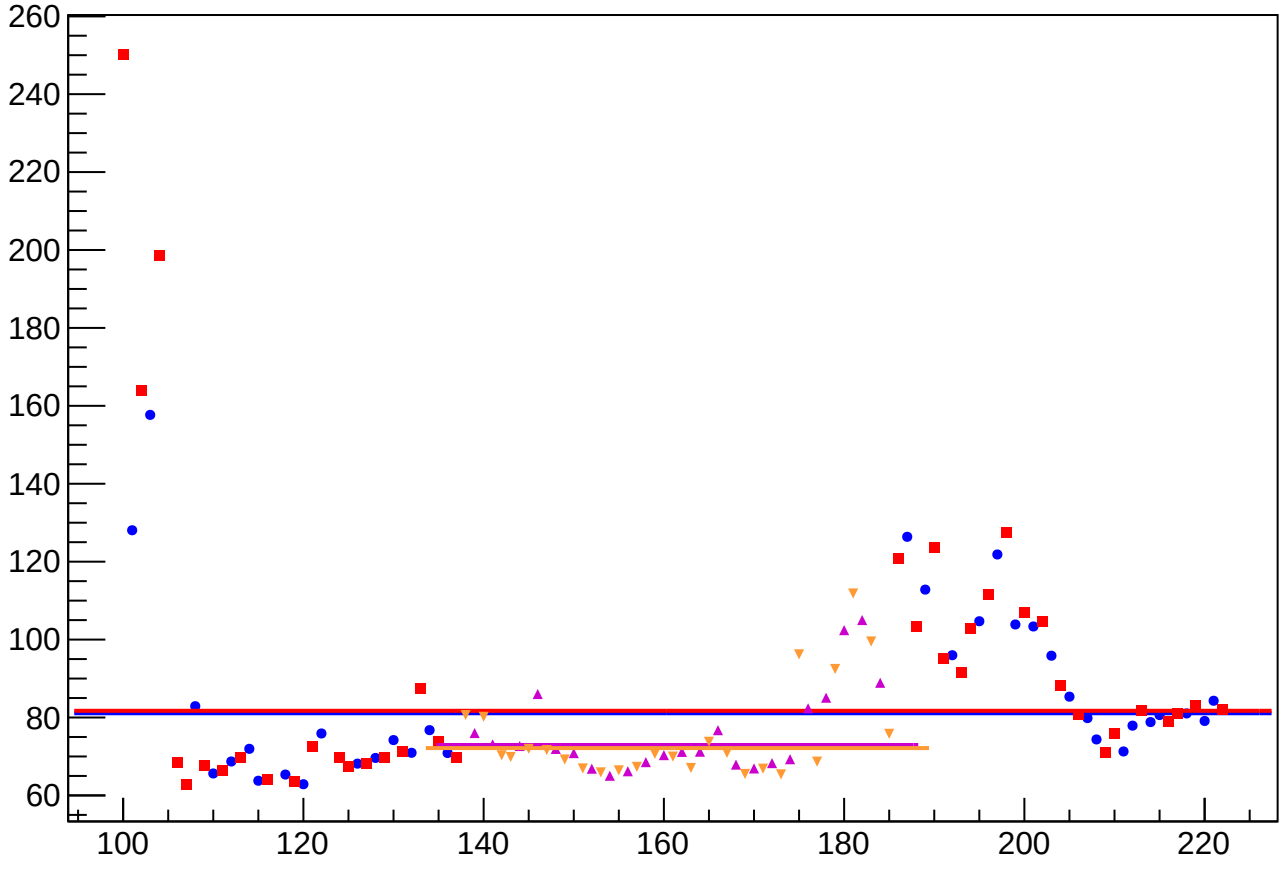
Right: -74.396+/-12.518 χ^2/NDF: 85.3/71

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 24.129+/-12.140 χ^2/NDF:141.8/62

All: 17.595+/-8.653 χ^2/NDF: 249.2/119

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: 81.724+/-0.013 χ^2/NDF: 2129338.2/37

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

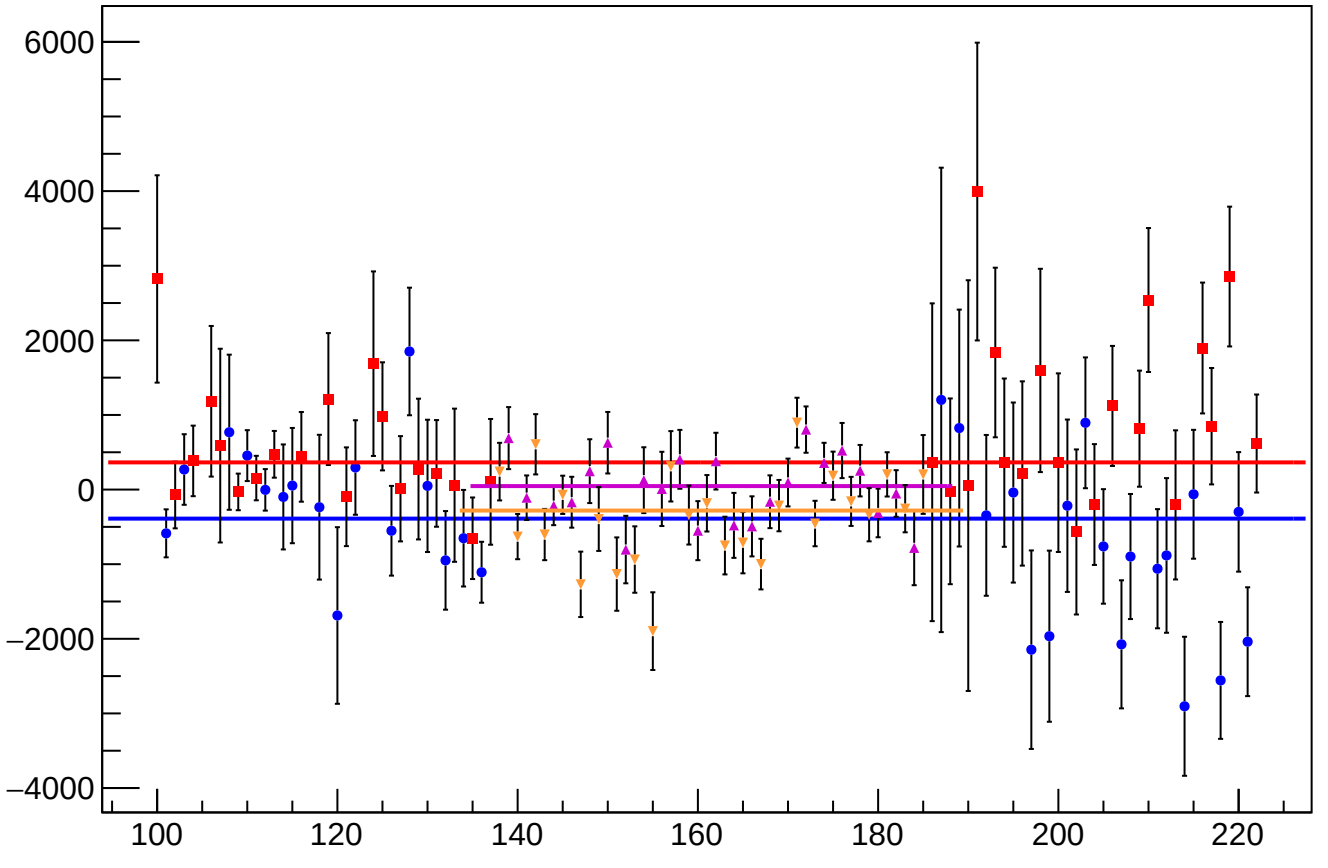
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.405+/-0.009 χ^2/NDF: 3640052.6/71

In: 76.932+/-0.009 χ^2/NDF:2236216.9/56

Out: 76.618+/-0.009 χ^2/NDF:3080907.6/62

All: 76.773+/-0.006 χ^2/NDF: 5317780.0/119



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: 364.269+/-106.586 χ^2/NDF: 39.7/37

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

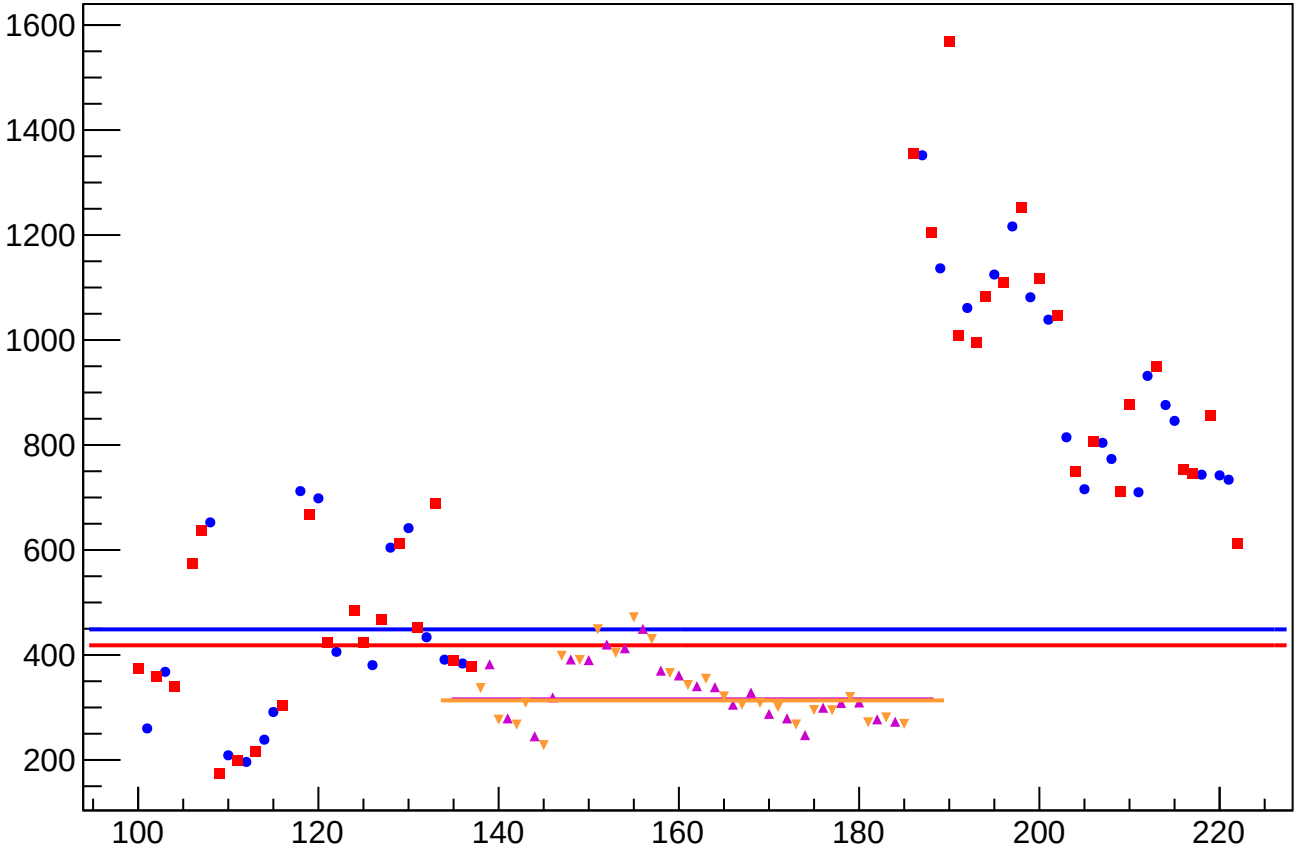
Right: 4.067+/-77.013 χ^2/NDF: 121.6/71

In: -89.153+/-62.155 χ^2/NDF:99.3/56

Out: -76.882+/-59.968 χ^2/NDF:121.5/62

All: -82.797+/-43.156 χ^2/NDF: 220.9/119

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: 418.427+/-0.075 χ^2/NDF: 13566672.7/37

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

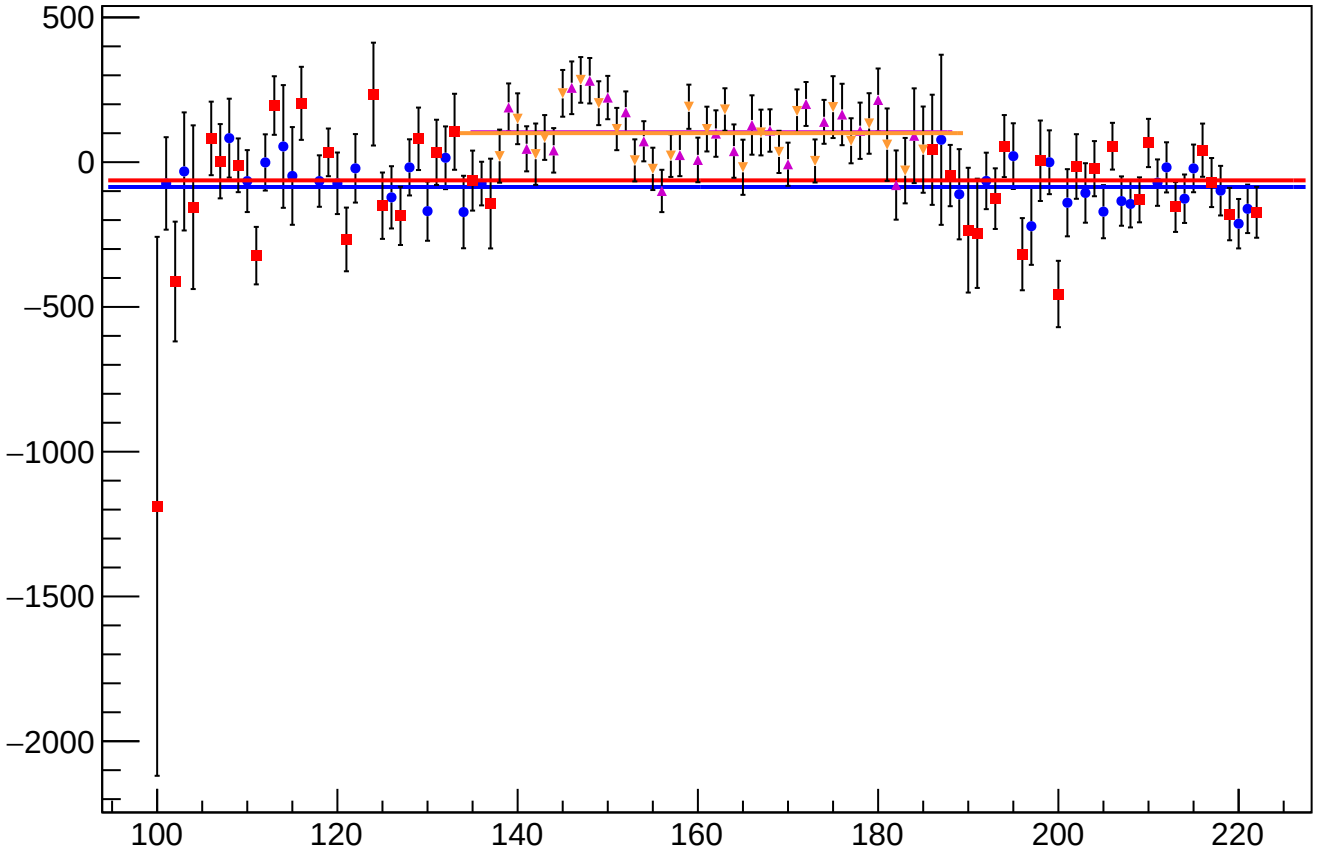
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 432.922+/-0.054 χ^2/NDF: 25060537.1/71

In: 356.953+/-0.044 χ^2/NDF:14397206.8/56

Out: 346.714+/-0.042 χ^2/NDF:16066882.0/62

All: 351.650+/-0.031 χ^2/NDF: 30492195.7/11



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: -62.874+/-17.771 χ^2/NDF: 69.2/37

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

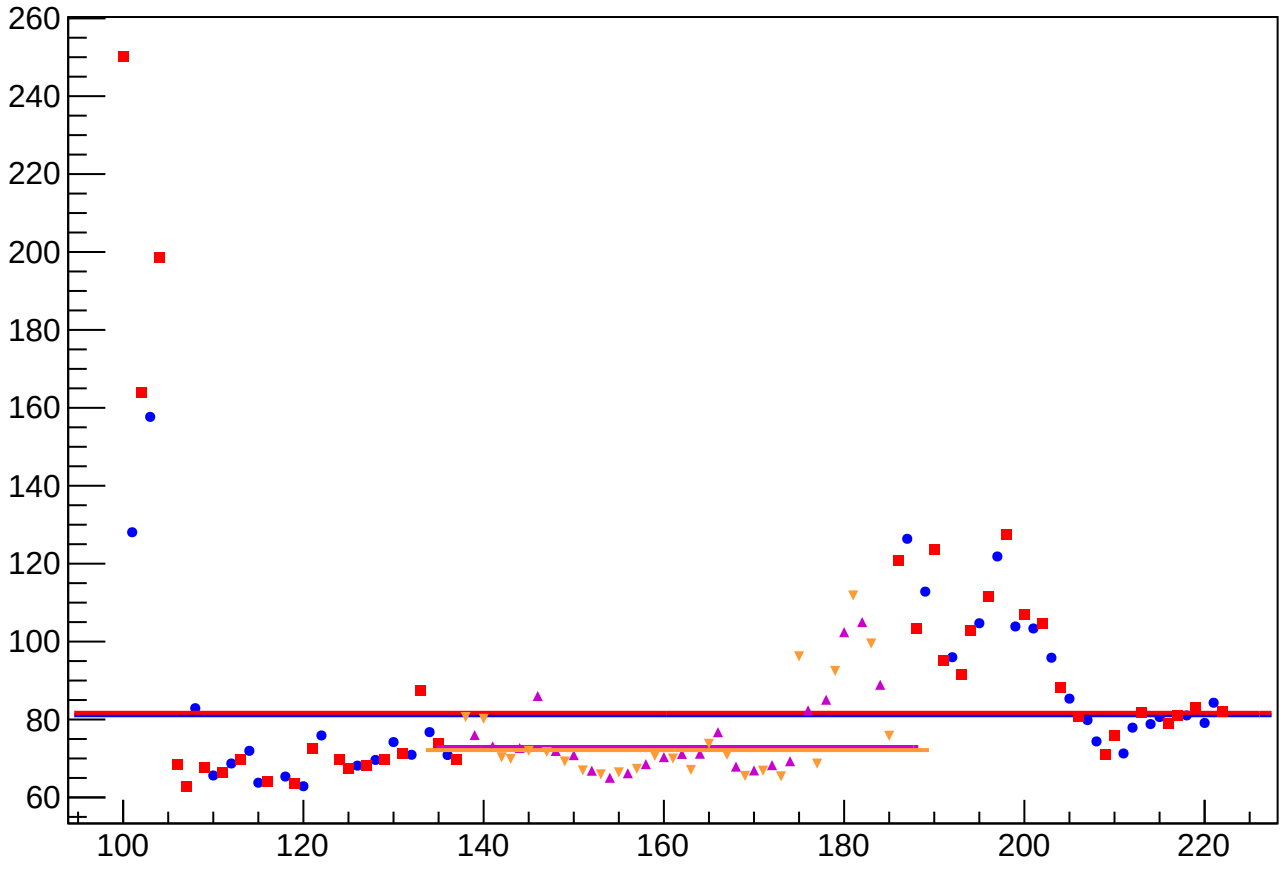
Right: -74.396+/-12.518 χ^2/NDF: 85.3/71

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 24.128+/-12.140 χ^2/NDF:141.8/62

All: 17.594+/-8.653 χ^2/NDF: 249.2/119

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: 81.724+/-0.013 χ^2/NDF: 2129339.6/37

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

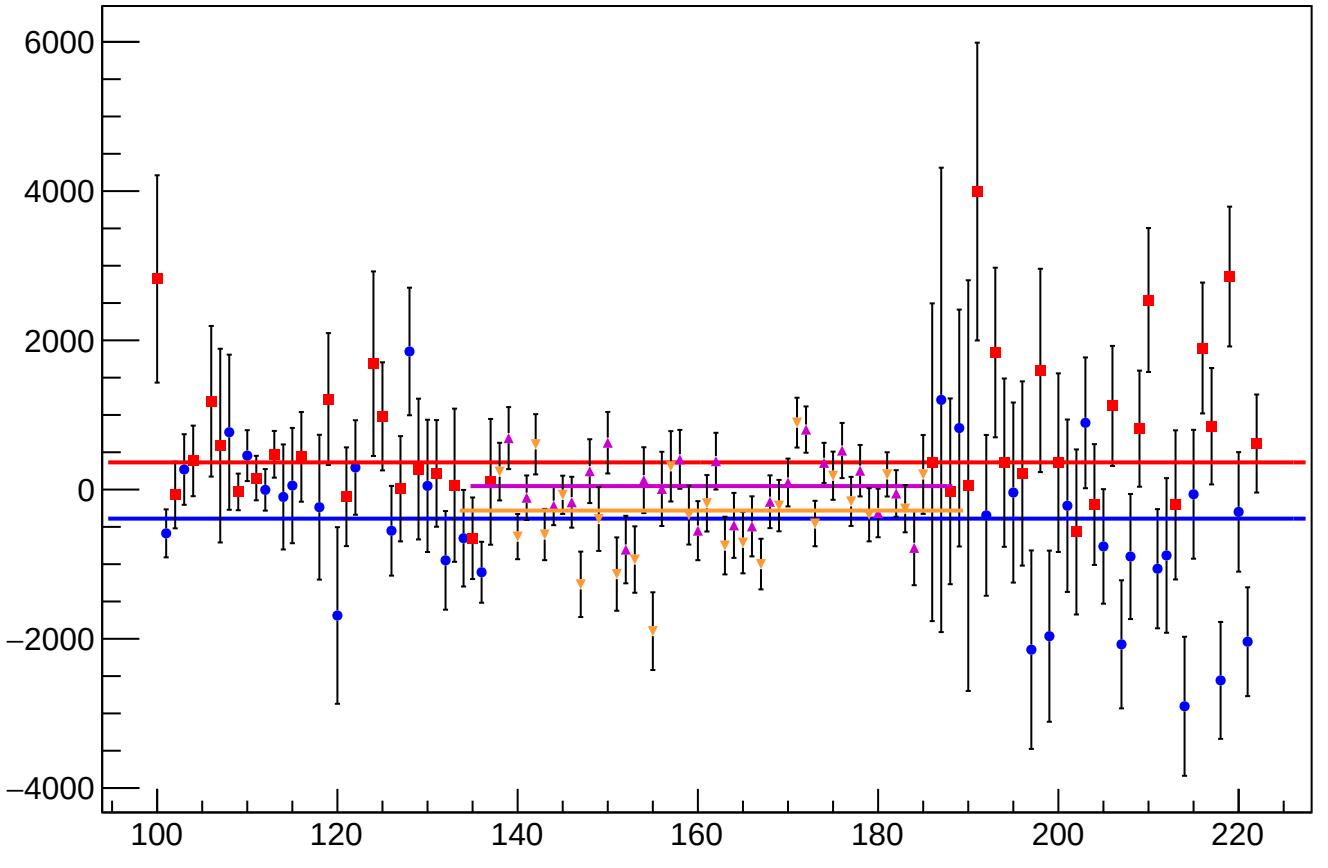
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

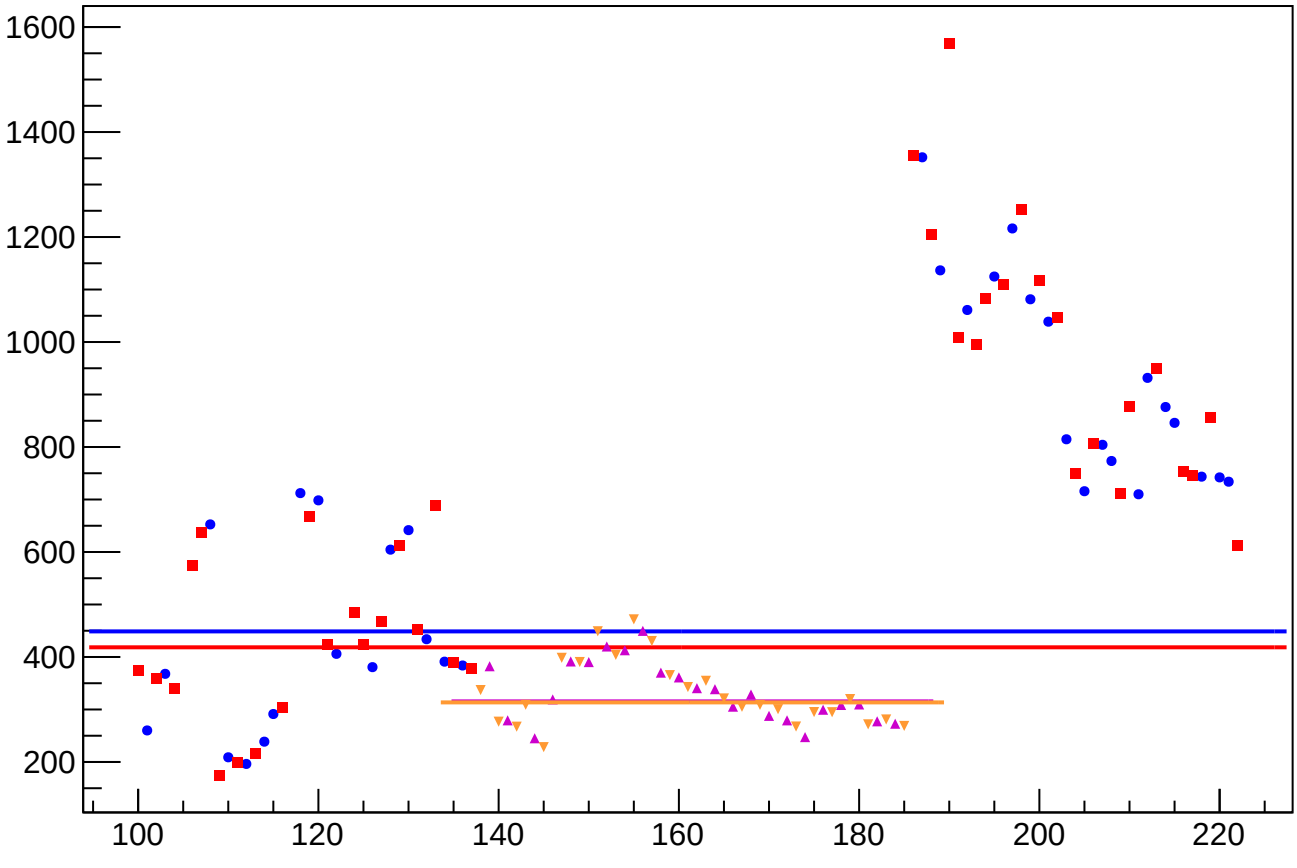
Right: 81.405+/-0.009 χ^2/NDF: 3640060.6/71

In: 76.932+/-0.009 χ^2/NDF:2236220.4/56

Out: 76.618+/-0.009 χ^2/NDF:3080900.3/62

All: 76.773+/-0.006 χ^2/NDF: 5317776.3/119


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -389.394+/-111.398 χ²/NDF: 58.0/33
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 364.267+/-106.585 χ²/NDF: 39.7/37
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 4.067+/-77.012 χ²/NDF: 121.6/71
In: -89.153+/-62.155 χ²/NDF:99.3/56
Out: -76.882+/-59.968 χ²/NDF:121.5/62
All: -82.797+/-43.156 χ²/NDF: 220.9/119



Right In: 448.752+/-0.079 χ^2/NDF: 11416617.6/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 418.425+/-0.075 χ^2/NDF: 13566756.0/37

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

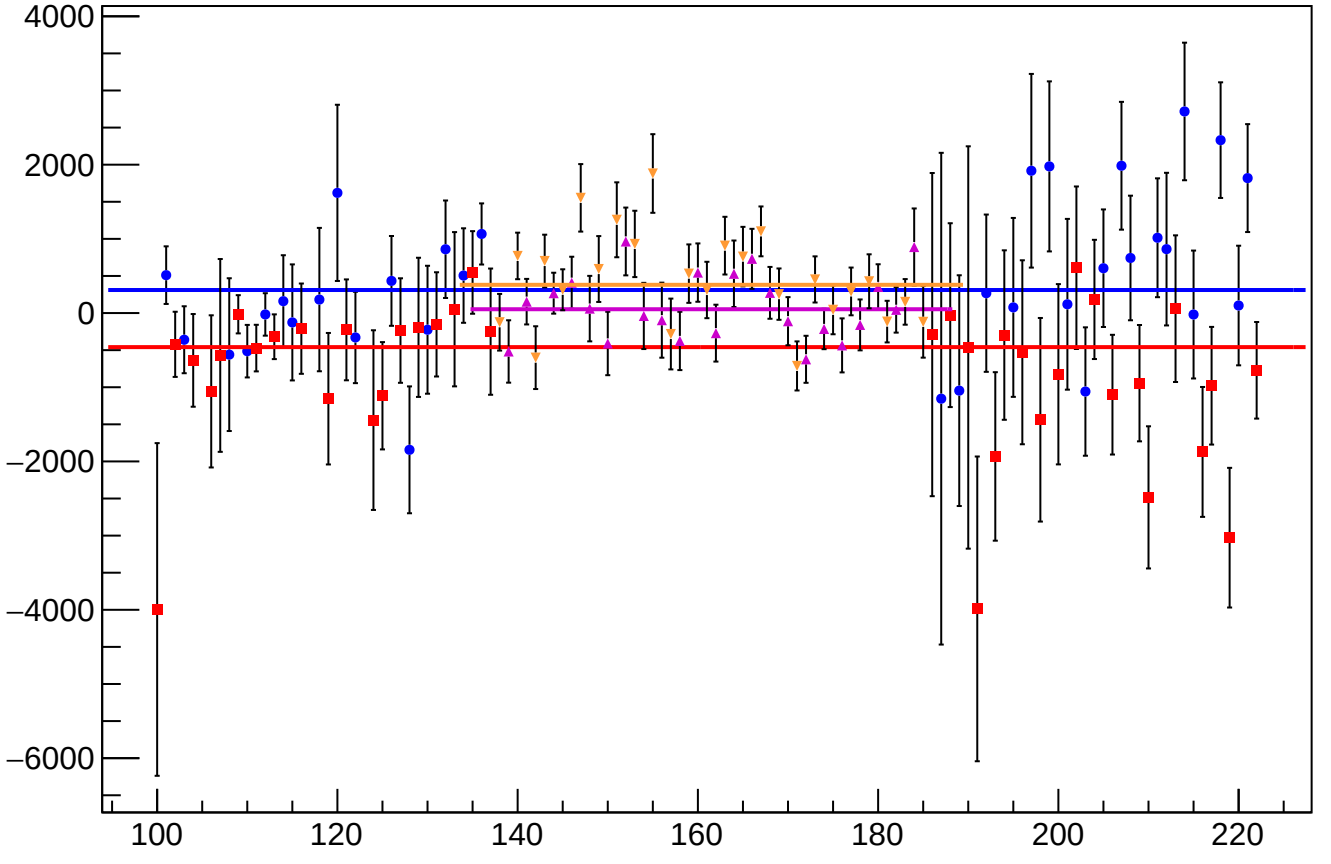
Right: 432.919+/-0.054 χ^2/NDF: 25060760.7/71

In: 356.953+/-0.044 χ^2/NDF:14397263.8/56

Out: 346.714+/-0.042 χ^2/NDF:16066924.6/62

All: 351.650+/-0.031 χ^2/NDF: 30492295.2/11

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: -459.211+/-109.240 χ^2/NDF: 35.9/37

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

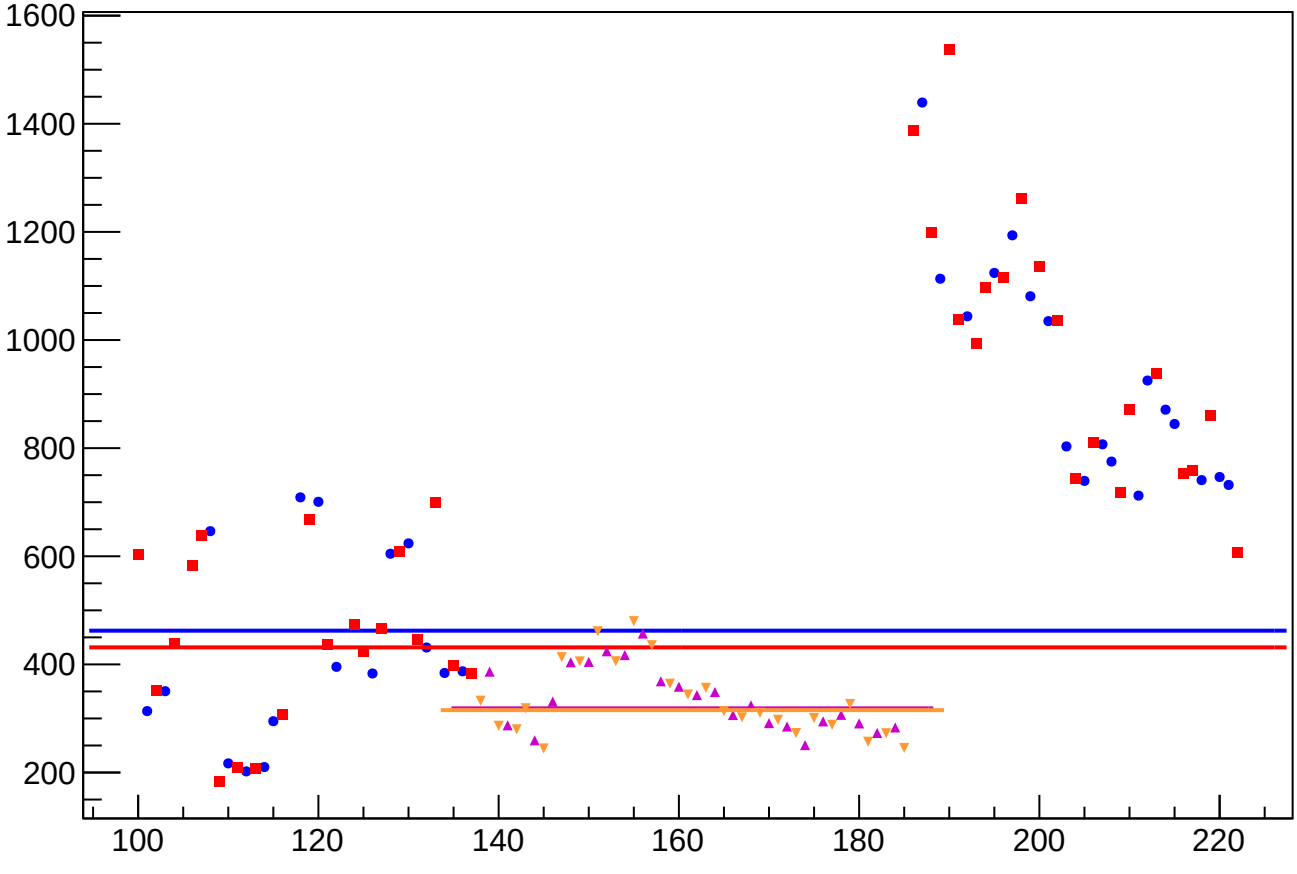
Right: -89.539+/-78.757 χ^2/NDF: 113.6/71

In: 131.000+/-62.962 χ^2/NDF:85.7/56

Out: 121.083+/-60.728 χ^2/NDF:132.1/62

All: 125.863+/-43.710 χ^2/NDF: 217.9/119

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: 431.504+/-0.077 χ^2/NDF: 13156809.7/37

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

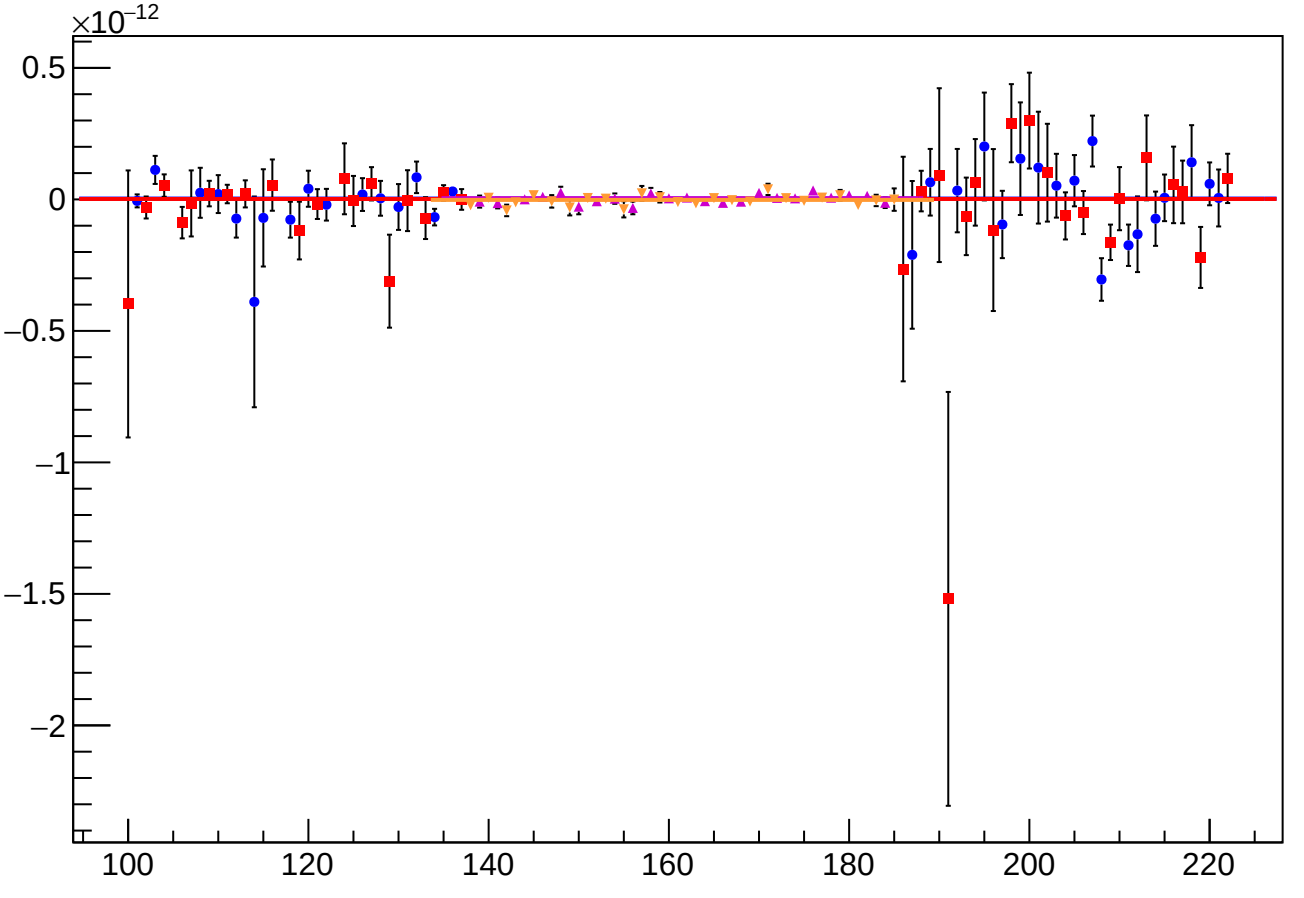
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 446.338+/-0.056 χ^2/NDF: 23995971.3/71

In: 362.794+/-0.045 χ^2/NDF:13970228.6/56

Out: 351.277+/-0.043 χ^2/NDF:15928076.5/62

All: 356.828+/-0.031 χ^2/NDF: 29932972.8/11



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: 36.9/37

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

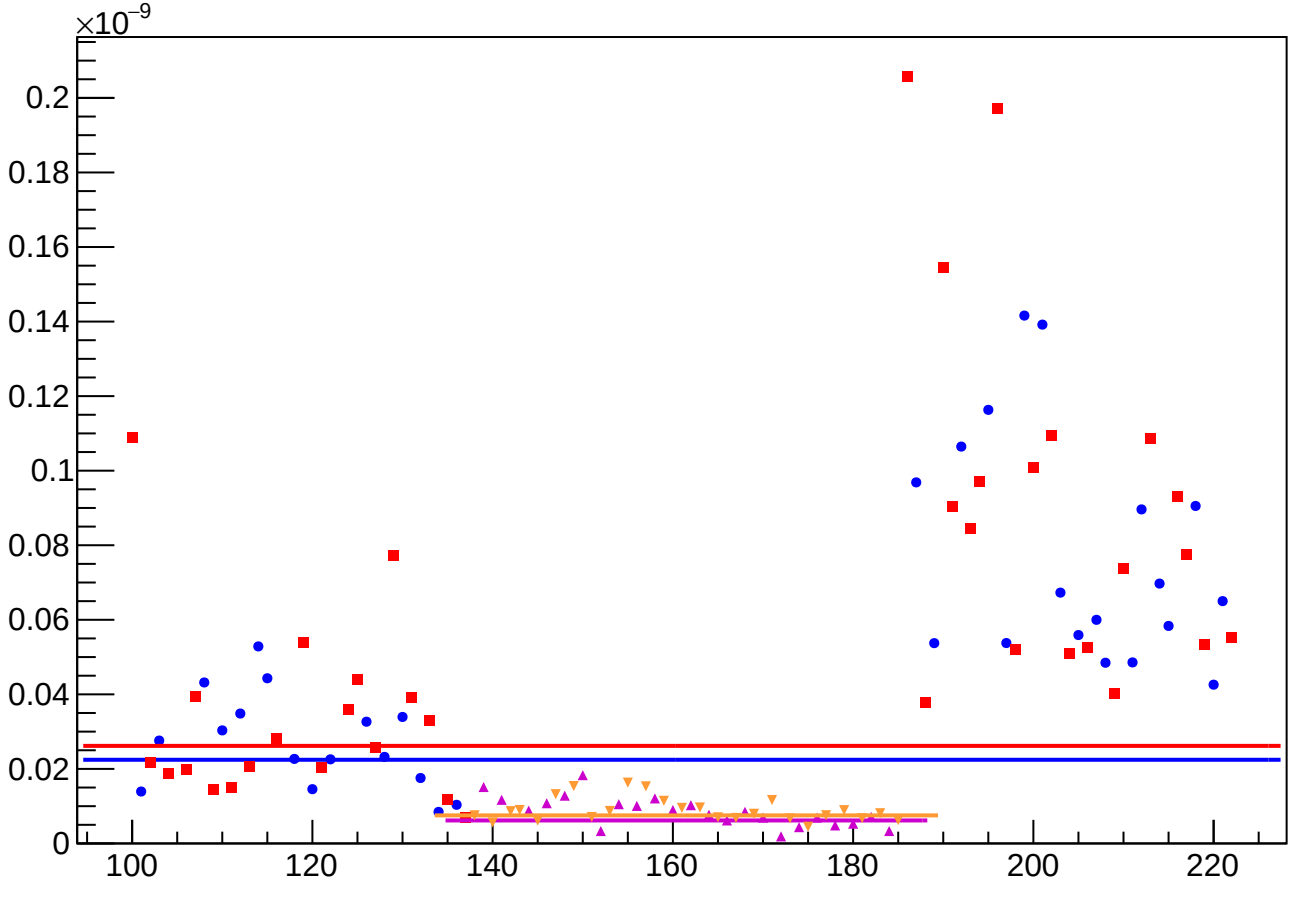
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 86.1/71

In: 0.000+/-0.000 χ^2/NDF:66.9/56

Out: -0.000+/-0.000 χ^2/NDF:55.9/62

All: 0.000+/-0.000 χ^2/NDF: 124.9/119



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: 7123663.0/37

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

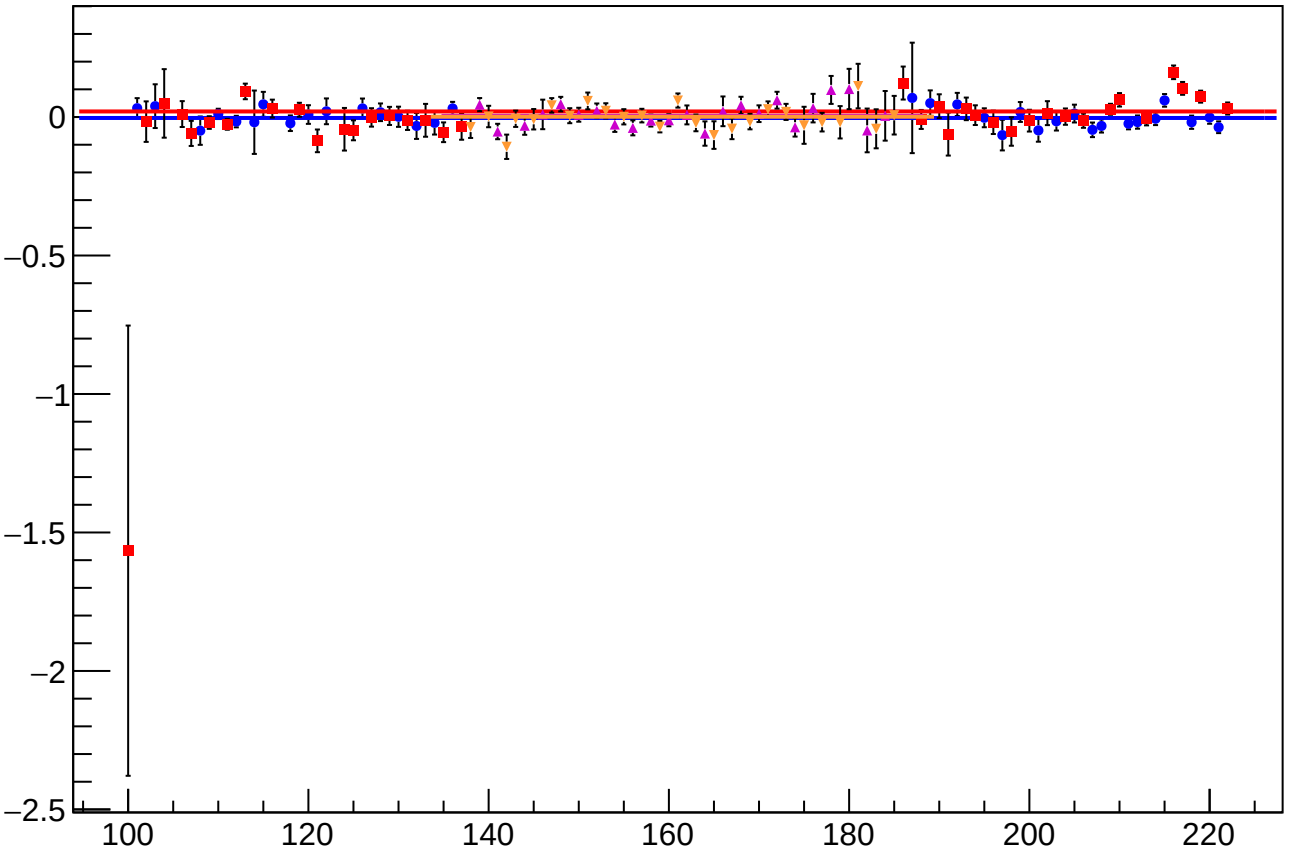
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15078694.3/71

In: 0.000+/-0.000 χ^2/NDF:15361491.5/56

Out: 0.000+/-0.000 χ^2/NDF:13084296.5/62

All: 0.000+/-0.000 χ^2/NDF: 28652272.5/119



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: 108.9/37

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

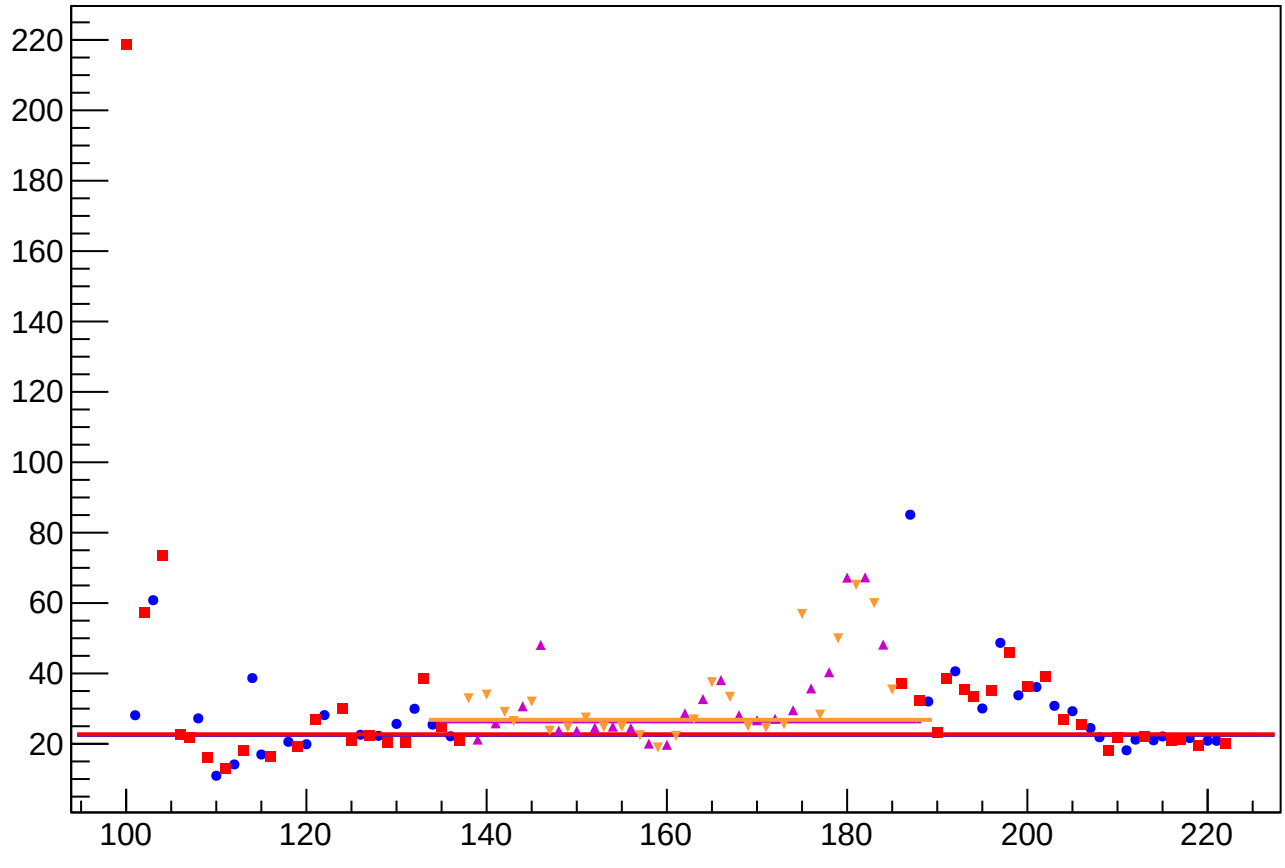
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.008+/-0.004 χ^2/NDF: 150.6/71

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.013+/-0.004 χ^2/NDF:144.4/62

All: 0.006+/-0.003 χ^2/NDF: 213.0/119



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: 22.704+/-0.004 χ^2/NDF: 4069257.5/37

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

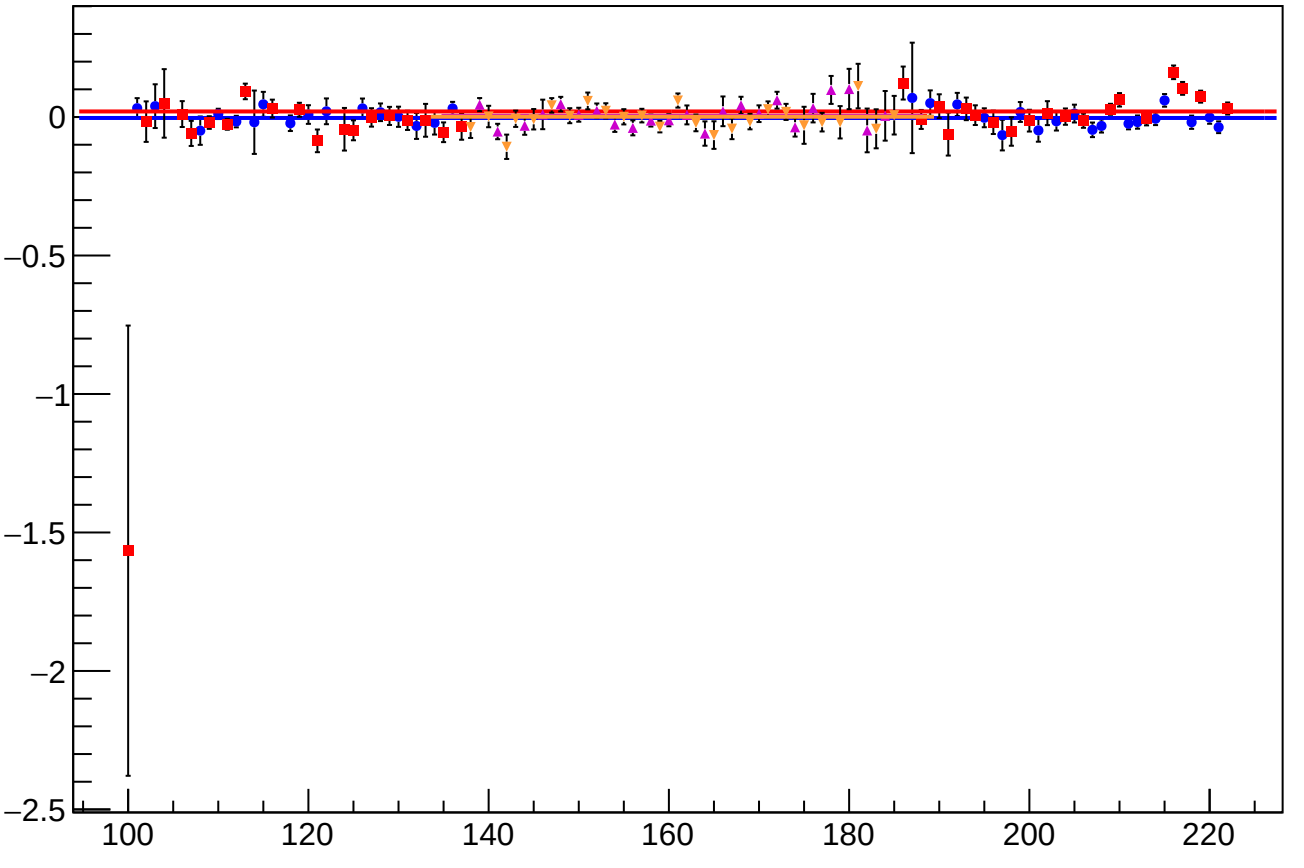
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.631+/-0.003 χ^2/NDF: 7877401.8/71

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.310+/-0.003 χ^2/NDF:7028926.9/62

All: 24.159+/-0.002 χ^2/NDF: 13823212.4/119



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: 108.9/37

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

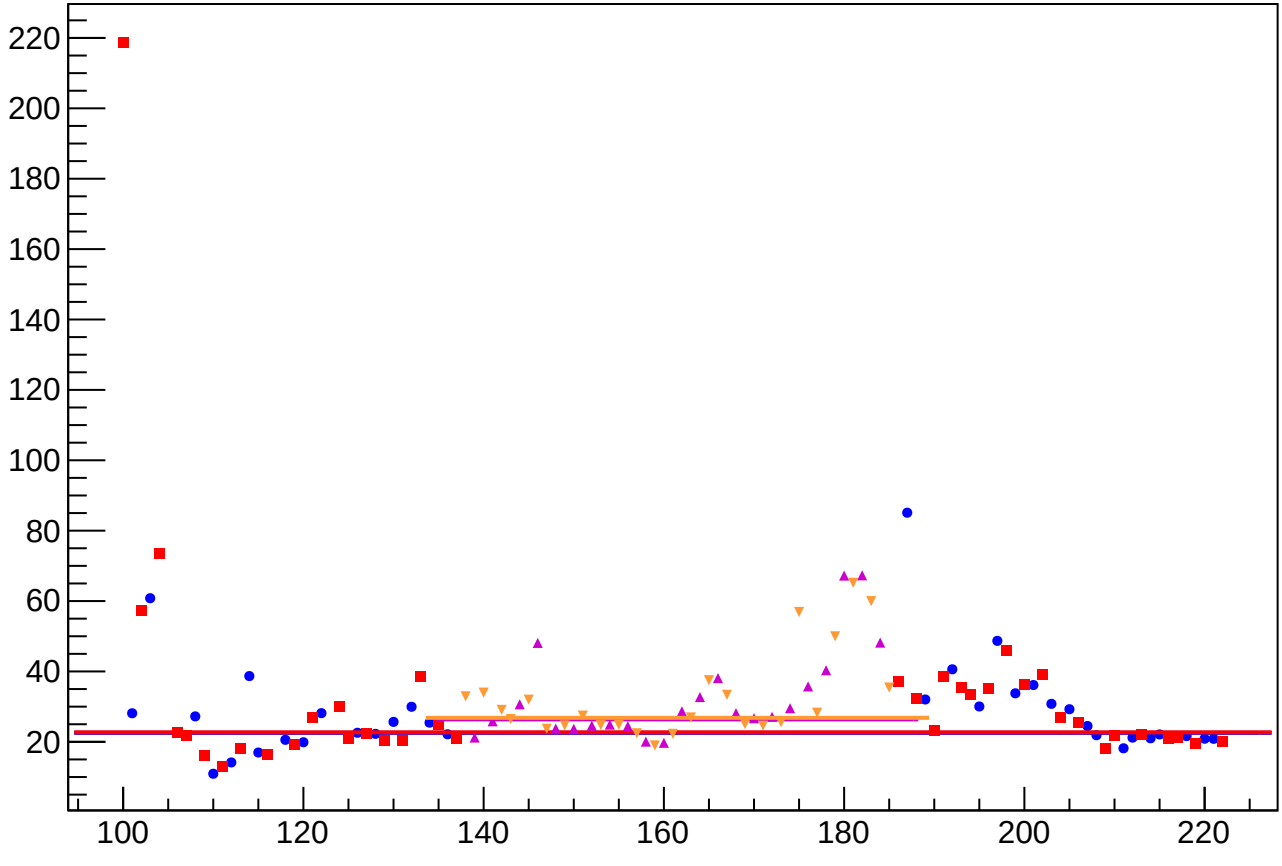
Right: 0.008+/-0.004 χ^2/NDF: 150.6/71

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.013+/-0.004 χ^2/NDF:144.4/62

All: 0.006+/-0.003 χ^2/NDF: 213.0/119

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: 22.704+/-0.004 χ^2/NDF: 4069257.5/37

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

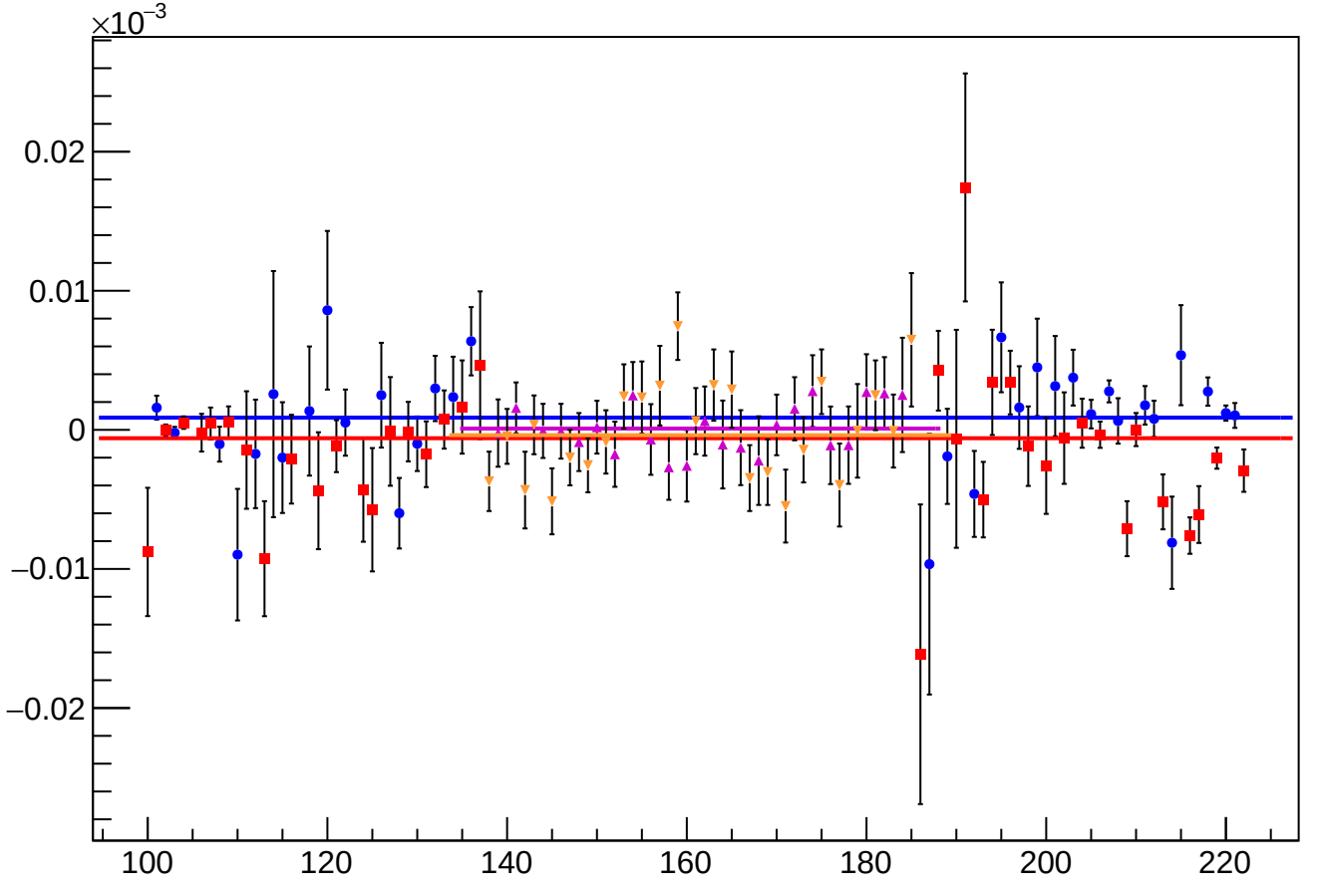
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.631+/-0.003 χ^2/NDF: 7877401.8/71

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.310+/-0.003 χ^2/NDF:7028926.9/62

All: 24.159+/-0.002 χ^2/NDF: 13823212.4/119



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: 99.0/37

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

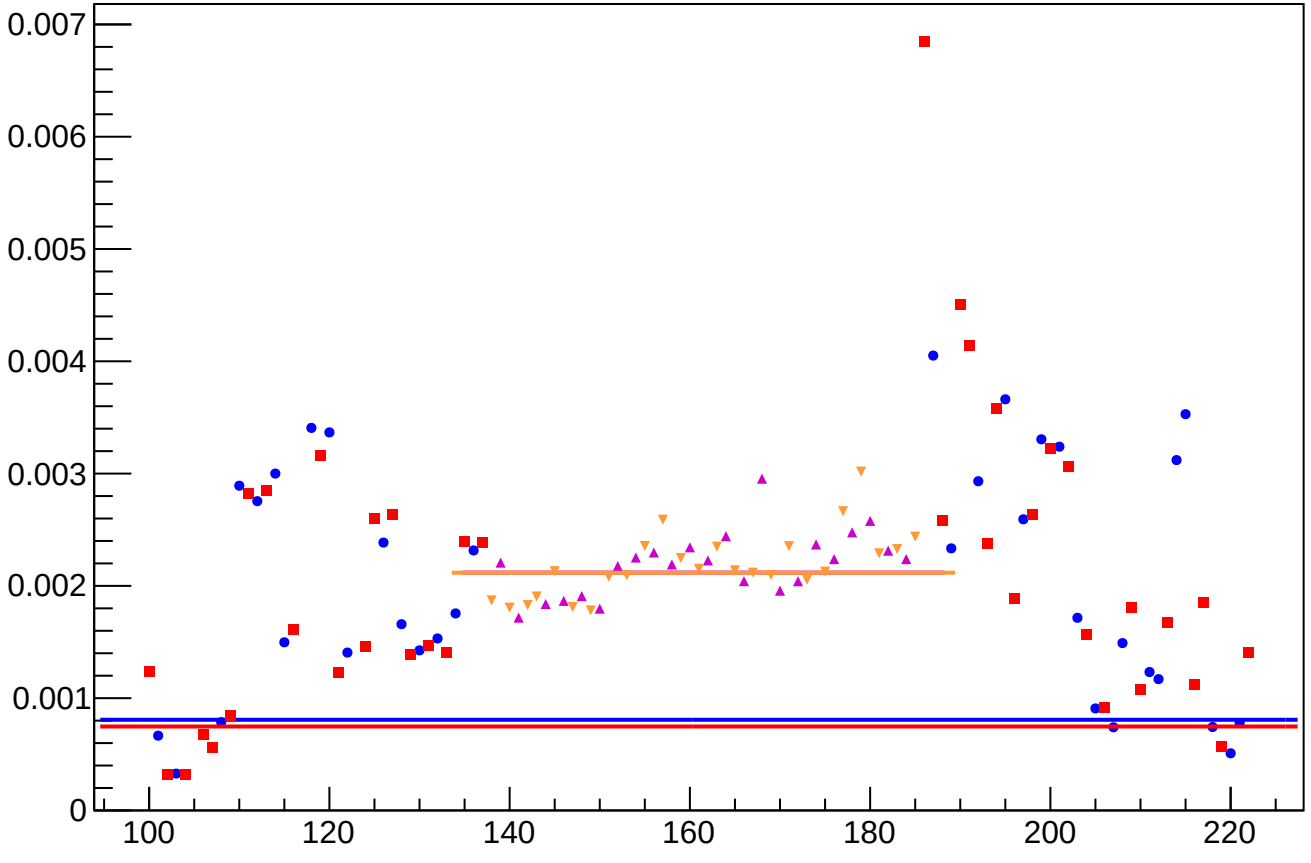
Right: 0.000+/-0.000 χ^2/NDF: 182.3/71

In: 0.000+/-0.000 χ^2/NDF:73.2/56

Out: -0.000+/-0.000 χ^2/NDF:142.3/62

All: 0.000+/-0.000 χ^2/NDF: 236.5/119

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: 18565886.1/37

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

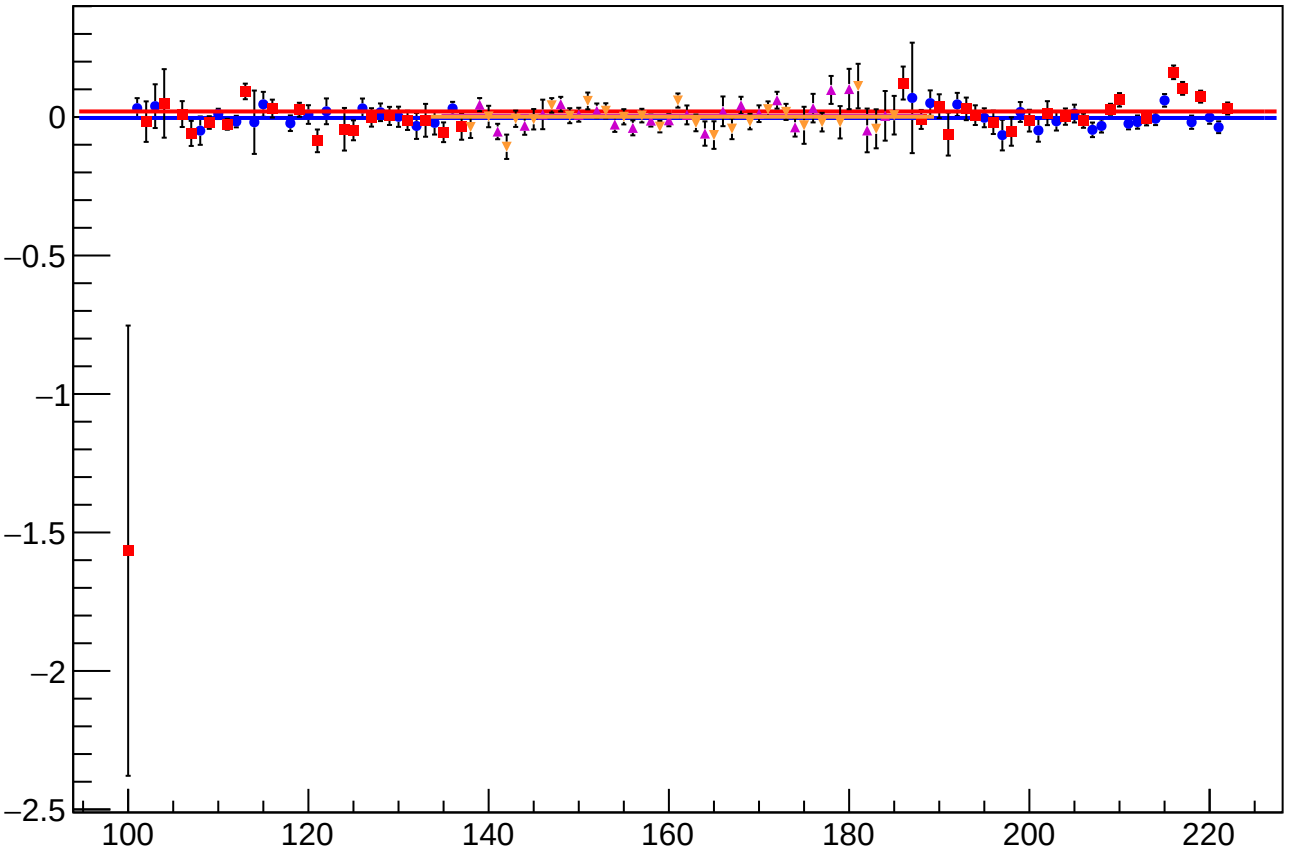
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 34563317.8/71

In: 0.001+/-0.000 χ^2/NDF:27907970.5/56

Out: 0.001+/-0.000 χ^2/NDF:32370646.0/62

All: 0.001+/-0.000 χ^2/NDF: 60354319.0/119



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: 108.9/37

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

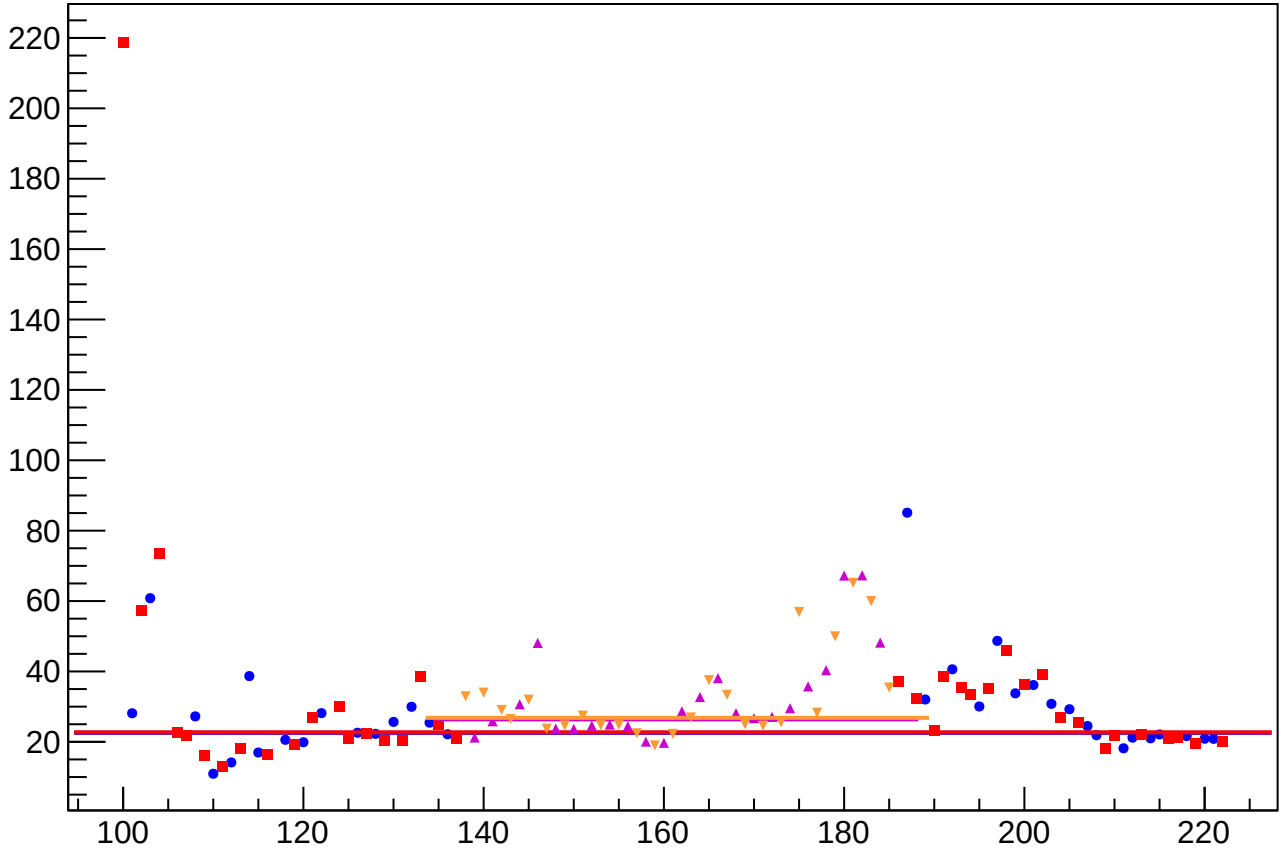
Right: 0.008+/-0.004 χ^2/NDF: 150.6/71

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.013+/-0.004 χ^2/NDF:144.4/62

All: 0.006+/-0.003 χ^2/NDF: 213.0/119

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: 22.704+/-0.004 χ^2/NDF: 4069080.8/37

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

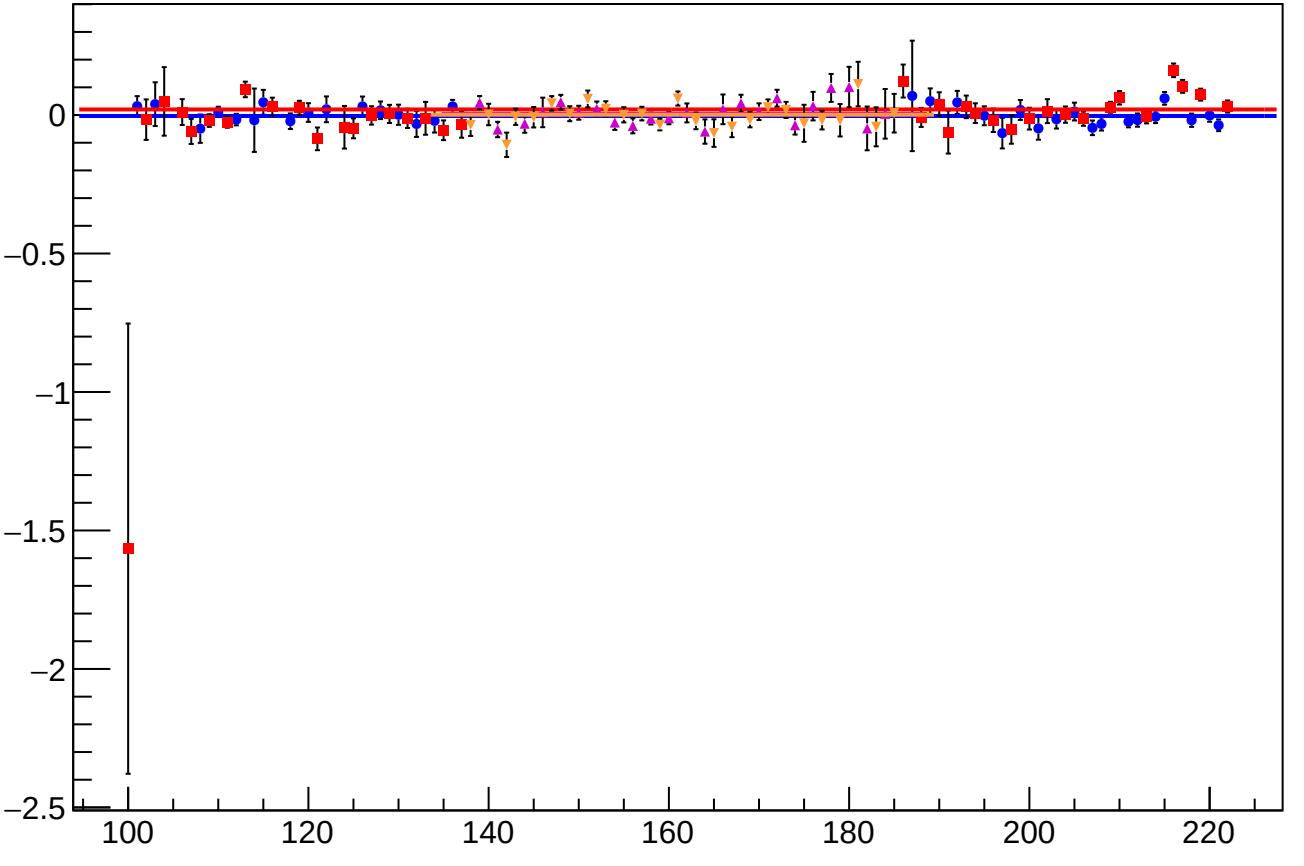
Right: 22.631+/-0.003 χ^2/NDF: 7876968.3/71

In: 24.007+/-0.003 χ^2/NDF:6788432.7/56

Out: 24.310+/-0.003 χ^2/NDF:7028803.7/62

All: 24.159+/-0.002 χ^2/NDF: 13822819.7/119

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 108.9/37

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

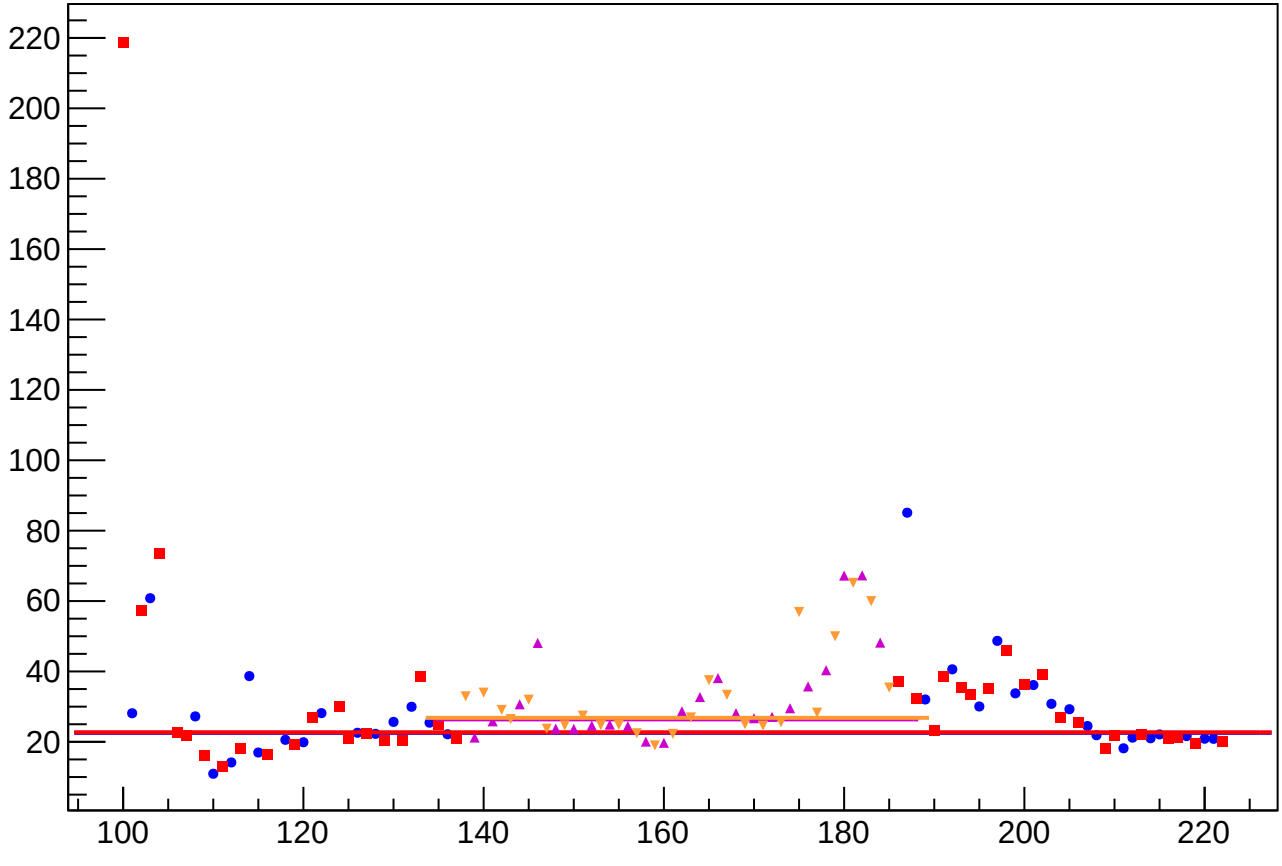
Right: 0.008+/-0.004 χ^2/NDF: 150.6/71

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.013+/-0.004 χ^2/NDF:144.4/62

All: 0.006+/-0.003 χ^2/NDF: 213.0/119

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: 22.704+/-0.004 χ^2/NDF: 4069080.8/37

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

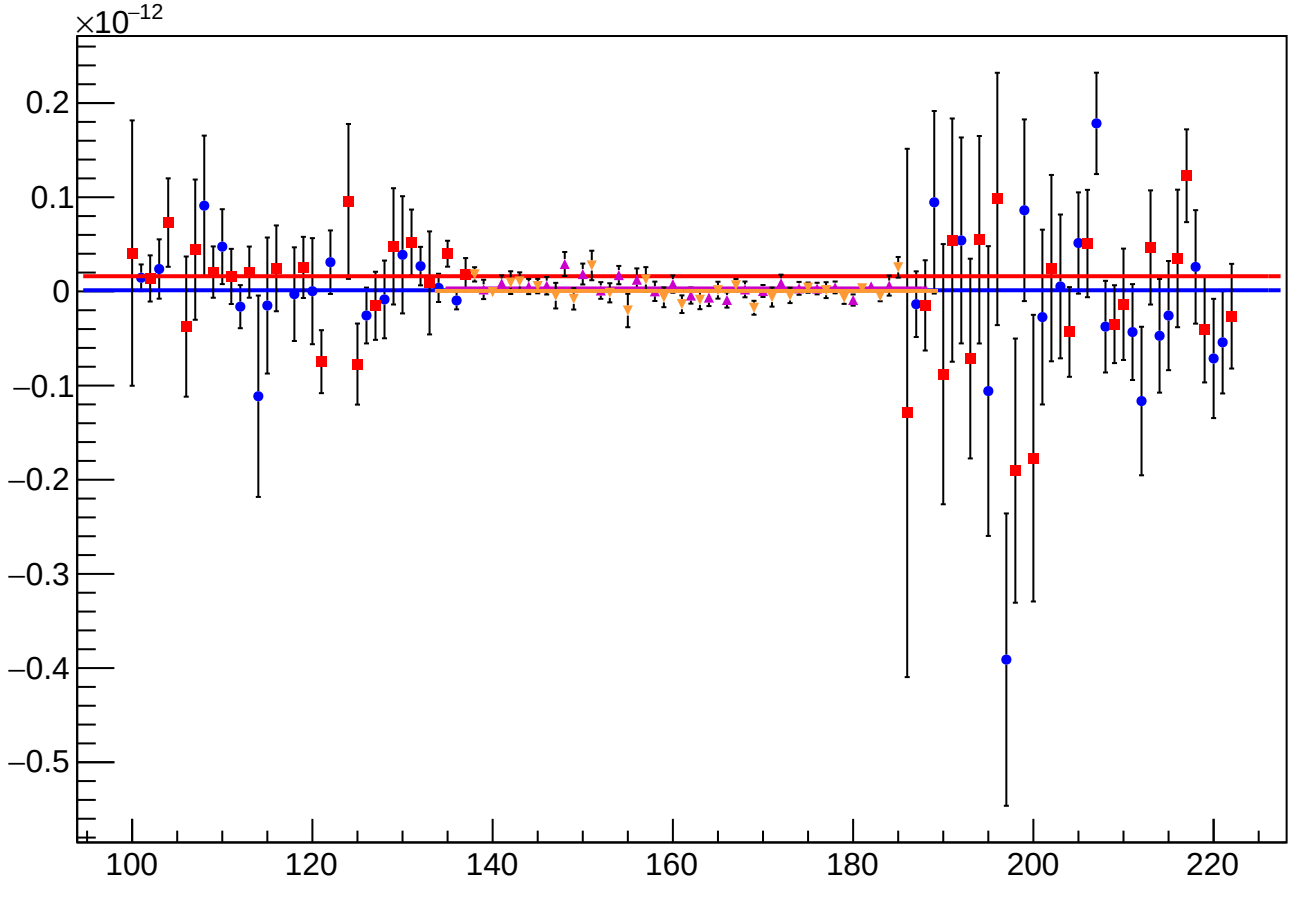
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.631+/-0.003 χ^2/NDF: 7876968.3/71

In: 24.007+/-0.003 χ^2/NDF:6788432.7/56

Out: 24.310+/-0.003 χ^2/NDF:7028803.7/62

All: 24.159+/-0.002 χ^2/NDF: 13822819.7/119



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: 37.0/37

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

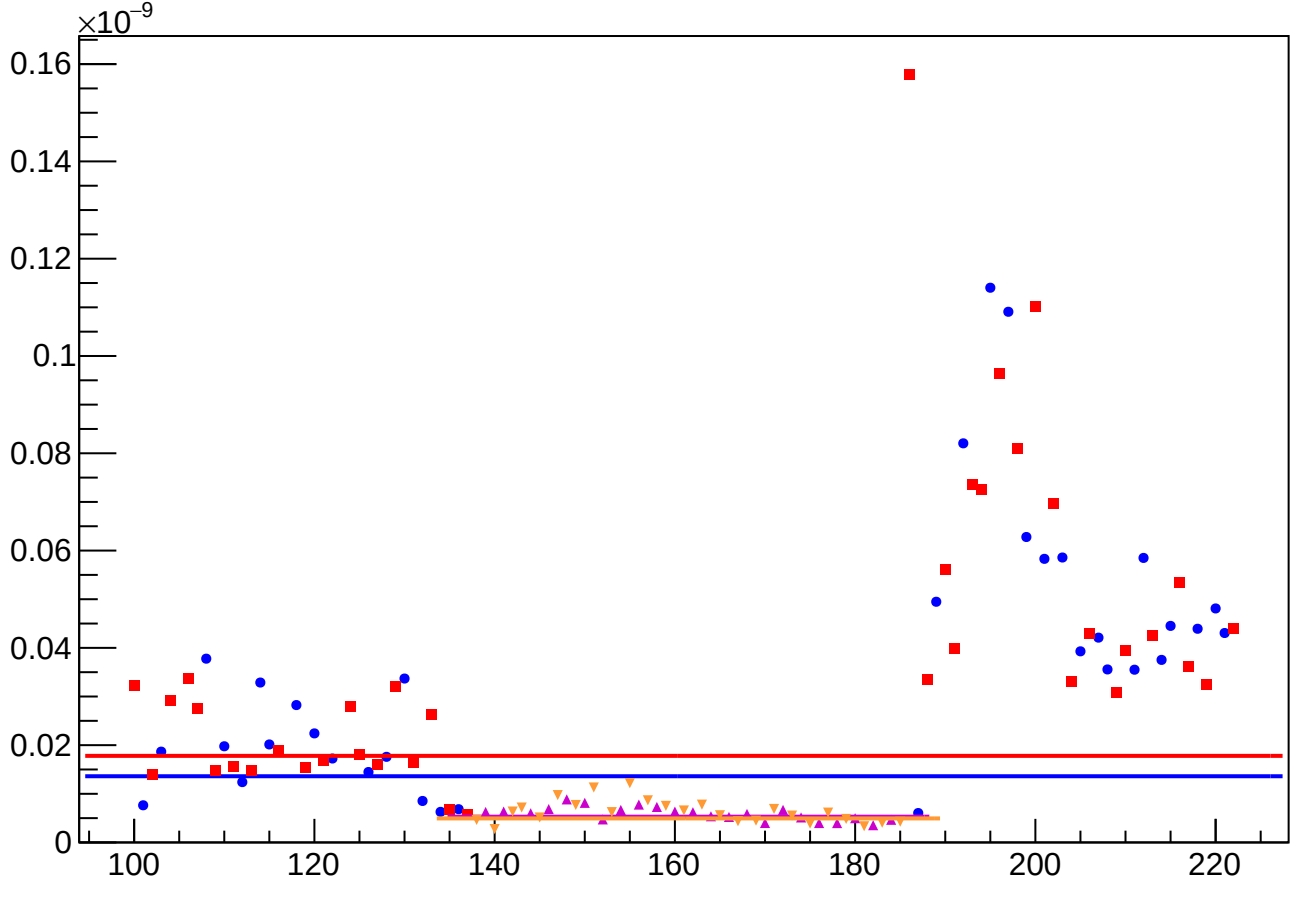
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 78.9/71

In: 0.000+/-0.000 χ^2/NDF:57.9/56

Out: 0.000+/-0.000 χ^2/NDF:75.2/62

All: 0.000+/-0.000 χ^2/NDF: 133.6/119



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: 9890434.8/37

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

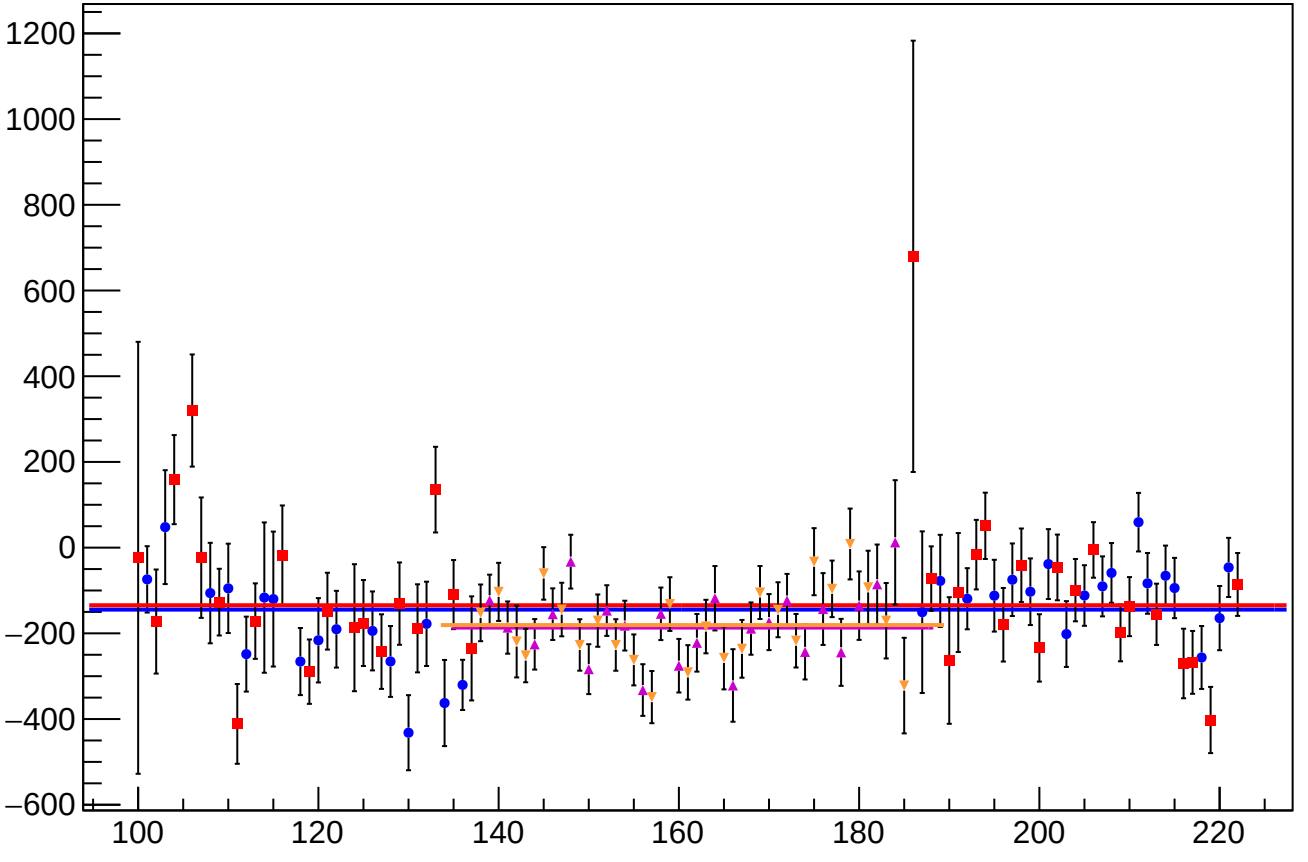
Right: 0.000+/-0.000 χ^2/NDF: 22698655.2/71

In: 0.000+/-0.000 χ^2/NDF:17979962.4/56

Out: 0.000+/-0.000 χ^2/NDF:20189374.5/62

All: 0.000+/-0.000 χ^2/NDF: 38229832.8/119

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: -134.408+/-14.416 χ^2/NDF: 85.4/37

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

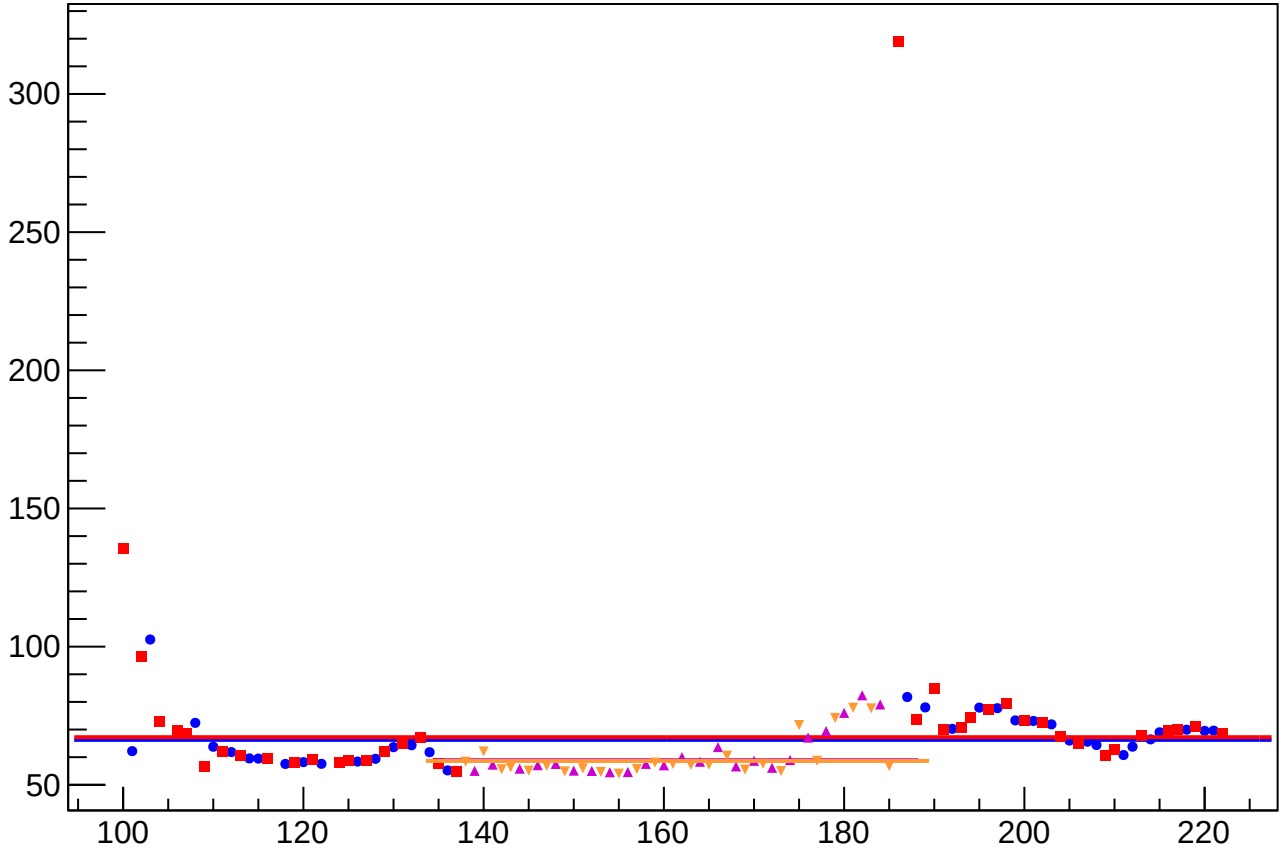
Right: -139.572+/-10.121 χ^2/NDF: 142.6/71

In: -166.108+/-9.923 χ^2/NDF:90.4/56

Out: -159.202+/-9.822 χ^2/NDF:129.5/62

All: -162.620+/-6.981 χ^2/NDF: 220.2/119

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: 67.225+/-0.010 χ^2/NDF: 1059193.8/37

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

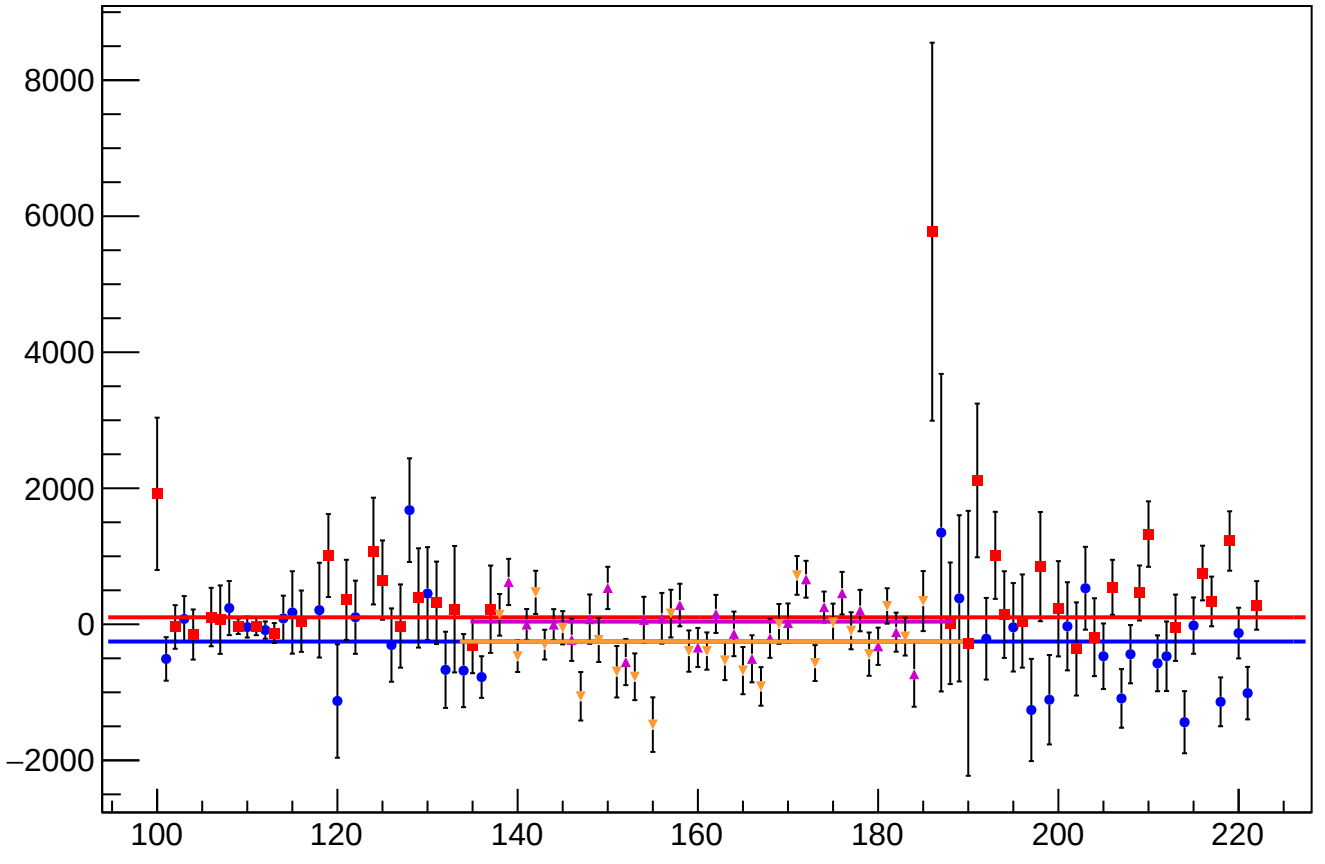
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.740+/-0.007 χ^2/NDF: 1593563.9/71

In: 62.494+/-0.007 χ^2/NDF:1191763.7/56

Out: 62.628+/-0.007 χ^2/NDF:1832790.9/62

All: 62.562+/-0.005 χ^2/NDF: 3024736.4/119



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: 102.972+/-56.756 χ^2/NDF: 43.9/37

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

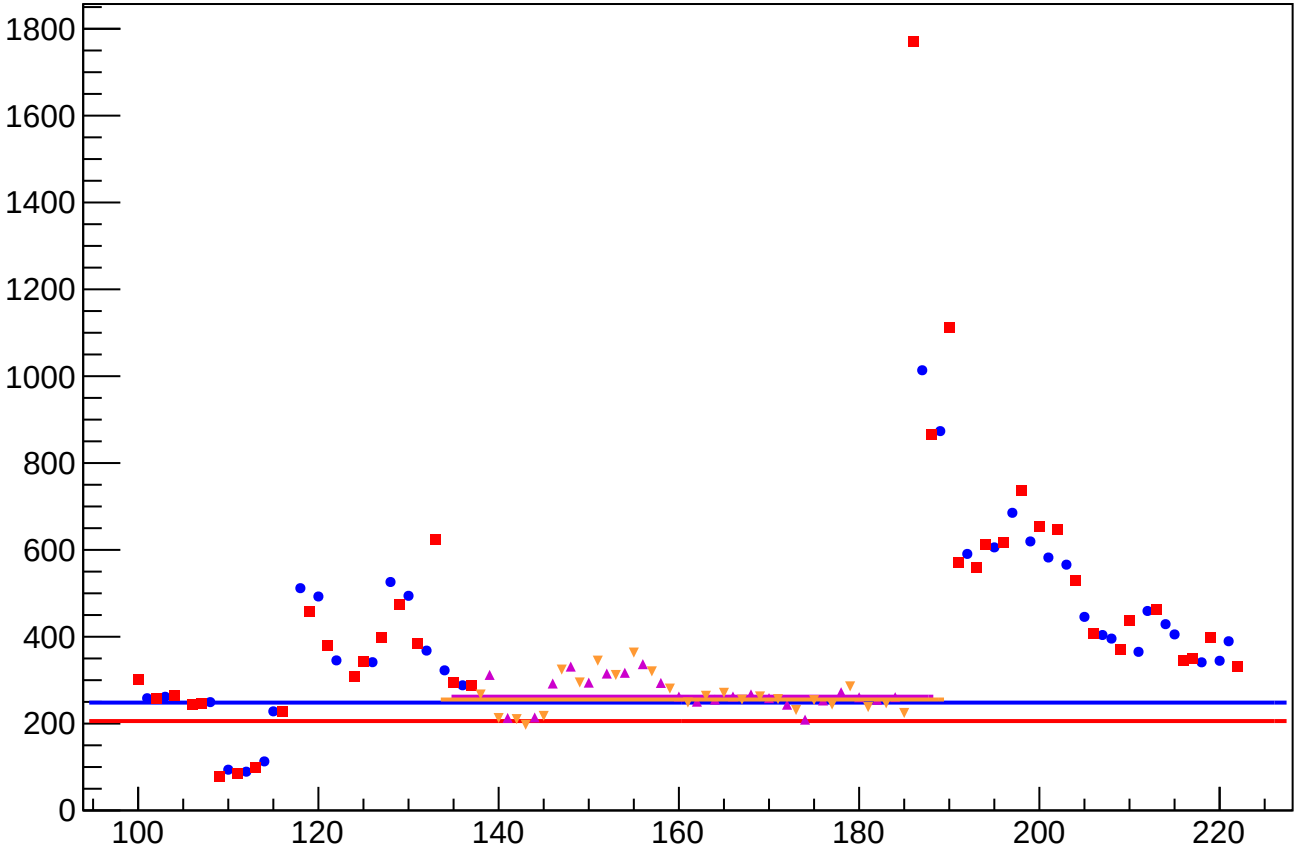
Right: -54.019+/-42.449 χ^2/NDF: 111.4/71

In: -102.289+/-44.470 χ^2/NDF:89.2/56

Out: -69.271+/-40.862 χ^2/NDF:120.7/62

All: -84.386+/-30.088 χ^2/NDF: 210.2/119

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 248.358+/-0.045 χ^2/NDF: 13606149.9/33

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 205.849+/-0.040 χ^2/NDF: 18006793.9/37

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

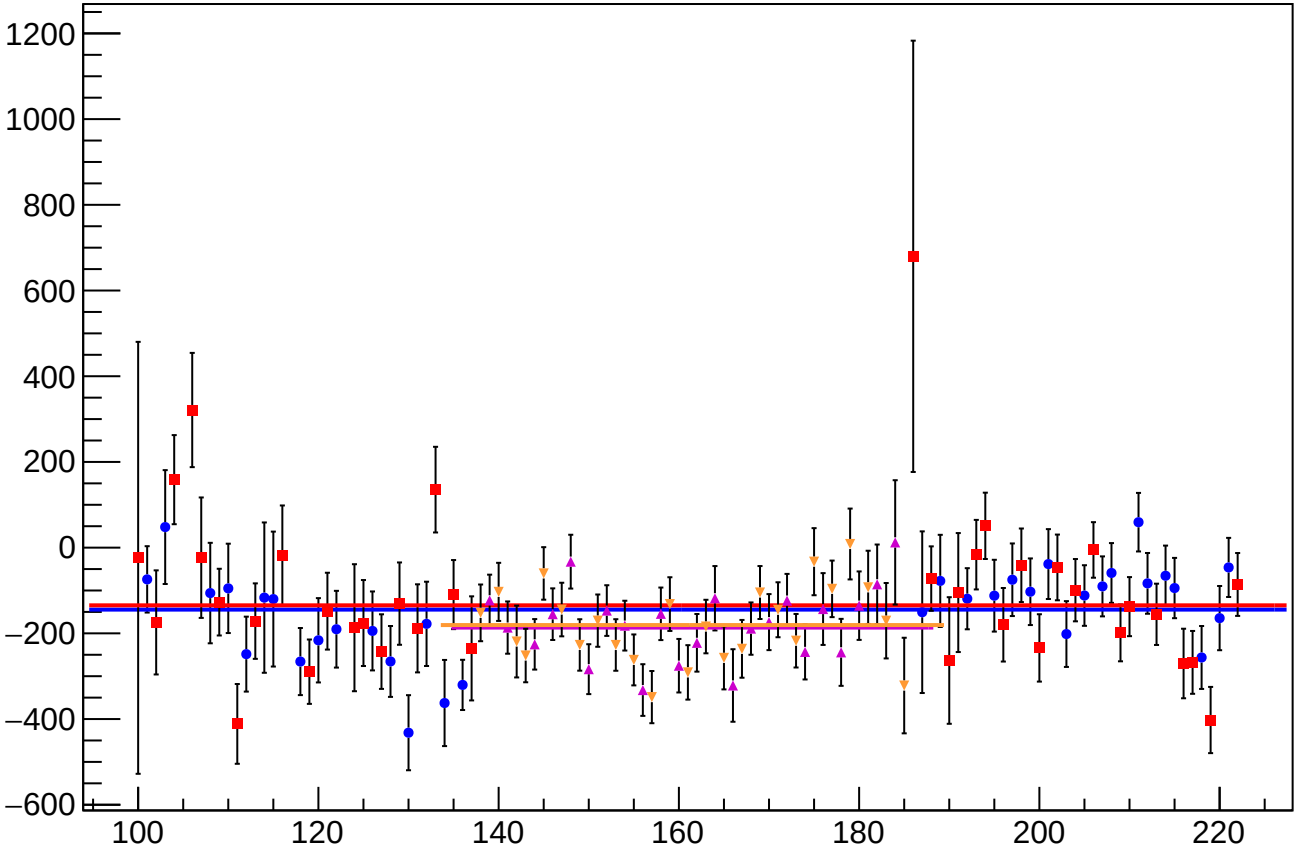
Right: 224.579+/-0.030 χ^2/NDF: 32107296.0/71

In: 255.407+/-0.031 χ^2/NDF:14323779.7/56

Out: 229.749+/-0.029 χ^2/NDF:19607005.7/62

All: 241.495+/-0.021 χ^2/NDF: 34291764.4/11

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: -134.621+/-14.419 χ^2/NDF: 85.0/37

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

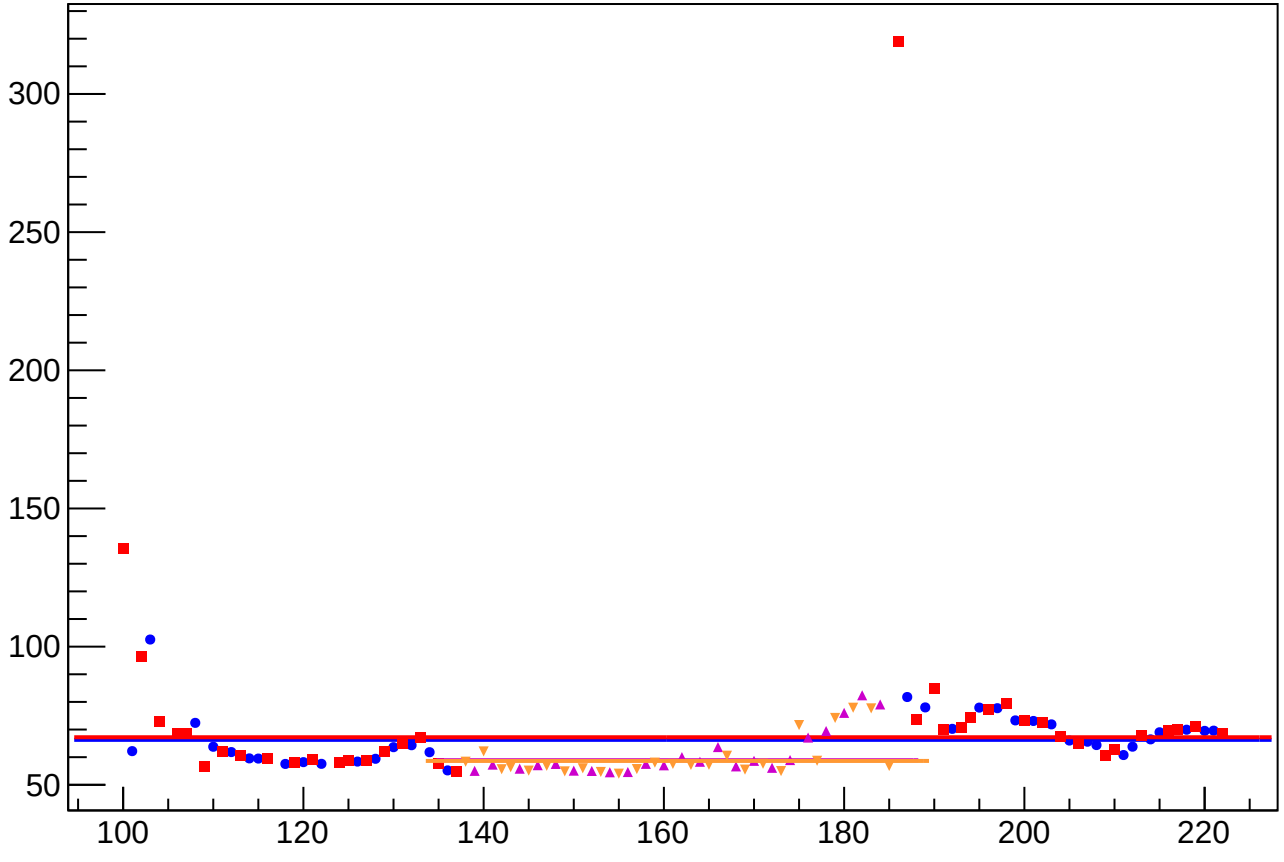
Right: -139.679+/-10.122 χ^2/NDF: 142.3/71

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -159.304+/-9.823 χ^2/NDF:129.1/62

All: -162.672+/-6.981 χ^2/NDF: 219.8/119

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: 67.211+/-0.010 χ^2/NDF: 1058881.9/37

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

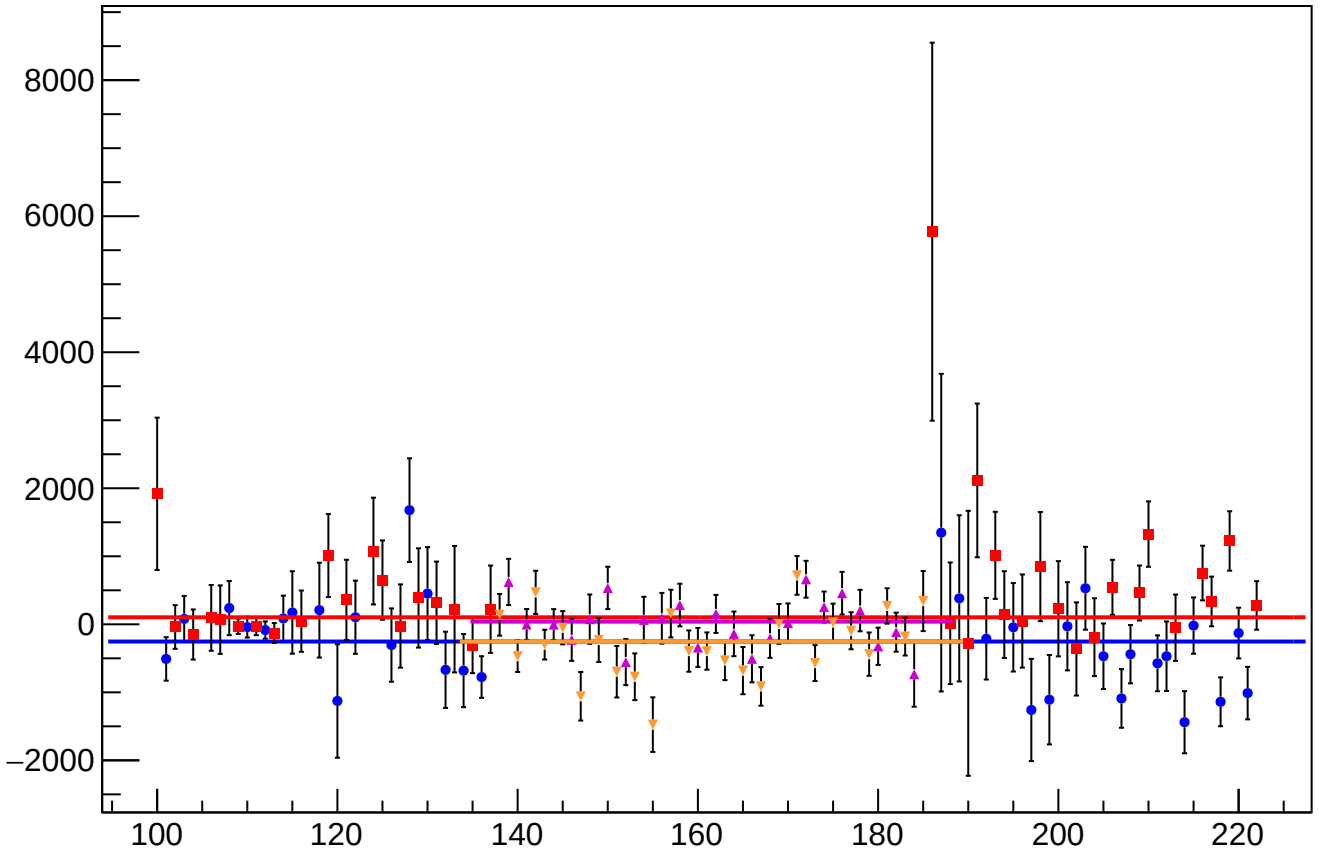
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.733+/-0.007 χ^2/NDF: 1593118.8/71

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.620+/-0.007 χ^2/NDF:1831105.5/62

All: 62.558+/-0.005 χ^2/NDF: 3023033.1/119



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: 102.807+/-56.862 χ^2/NDF: 43.9/37

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

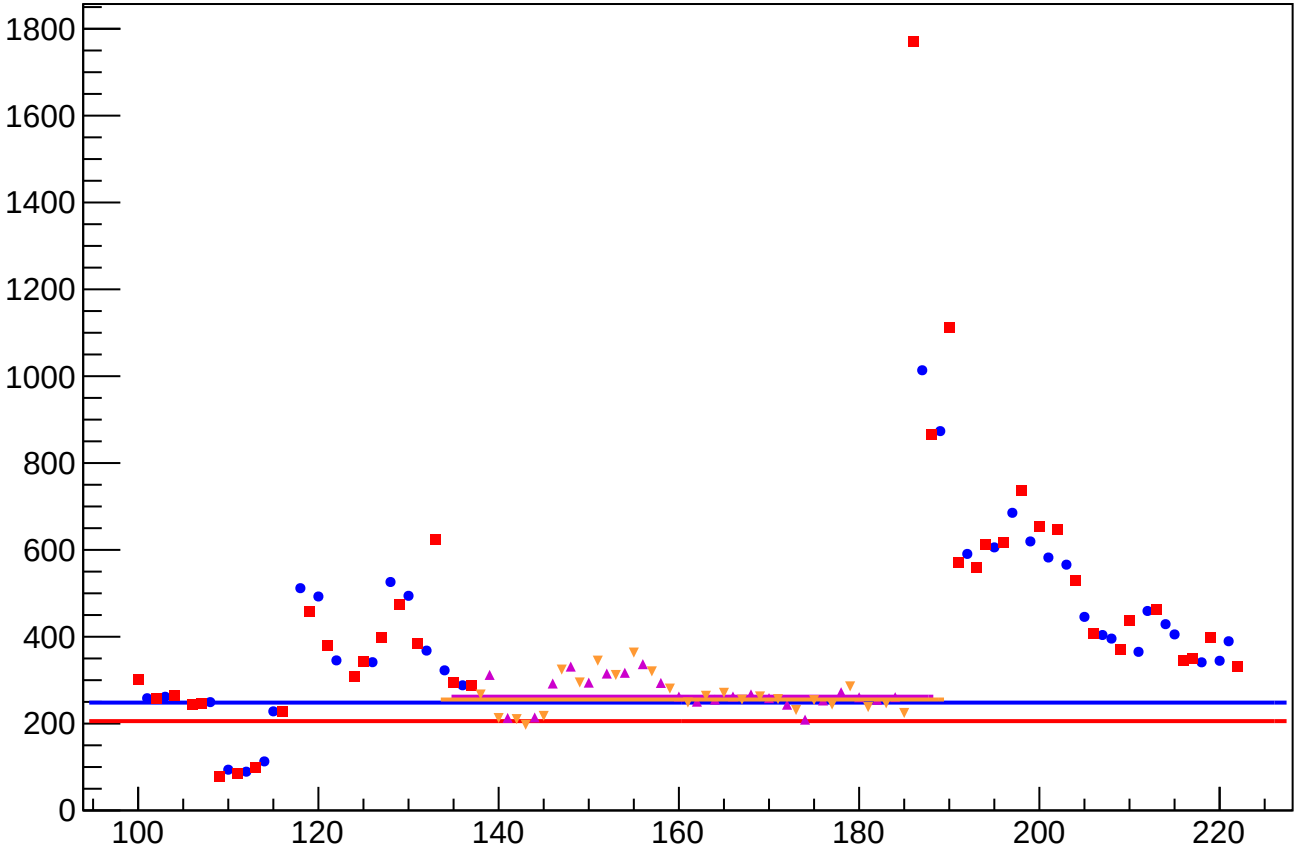
Right: -54.435+/-42.493 χ^2/NDF: 111.3/71

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -69.690+/-40.901 χ^2/NDF:120.6/62

All: -84.627+/-30.104 χ^2/NDF: 210.2/119

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 248.359+/-0.045 χ^2/NDF: 13606166.7/33

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 205.712+/-0.040 χ^2/NDF: 18004116.6/37

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

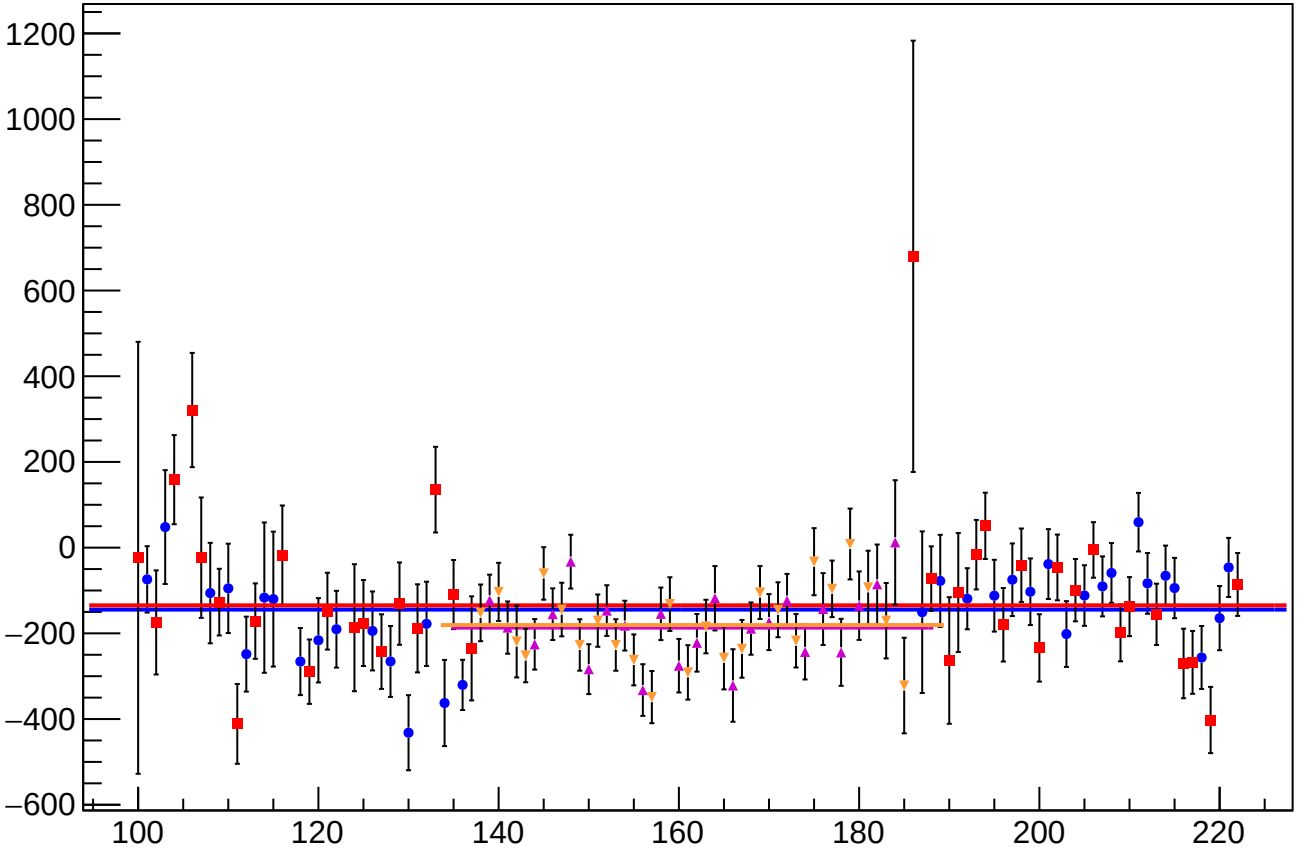
Right: 224.542+/-0.030 χ^2/NDF: 32107004.2/71

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 229.725+/-0.029 χ^2/NDF:19607037.6/62

All: 241.494+/-0.021 χ^2/NDF: 34292175.5/11

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: -134.621+/-14.419 χ^2/NDF: 85.0/37

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

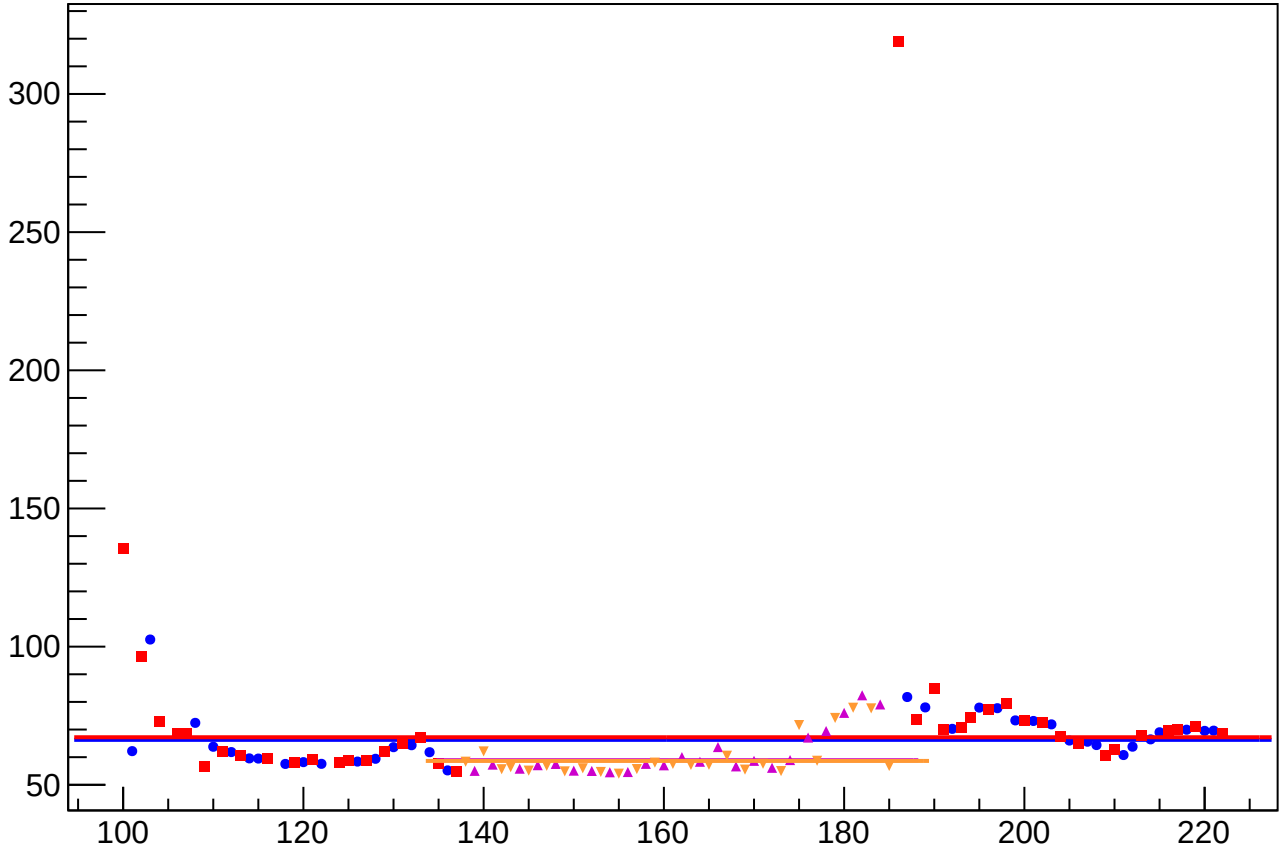
Right: -139.679+/-10.122 χ^2/NDF: 142.3/71

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -159.304+/-9.823 χ^2/NDF:129.1/62

All: -162.672+/-6.981 χ^2/NDF: 219.8/119

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: 67.211+/-0.010 χ^2/NDF: 1058881.9/37

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

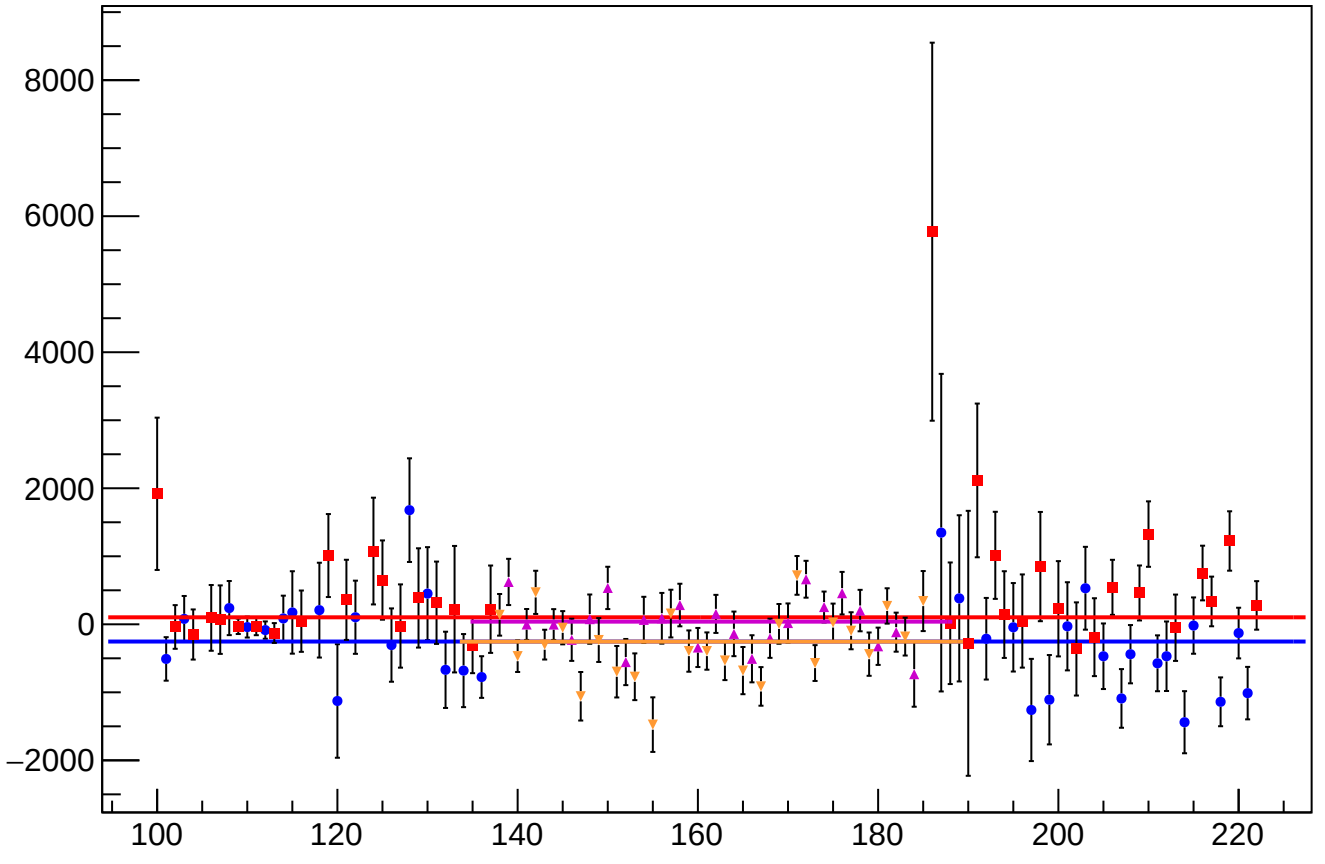
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.733+/-0.007 χ^2/NDF: 1593118.8/71

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.620+/-0.007 χ^2/NDF:1831105.5/62

All: 62.558+/-0.005 χ^2/NDF: 3023033.1/119



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: 102.807+/-56.862 χ^2/NDF: 43.9/37

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

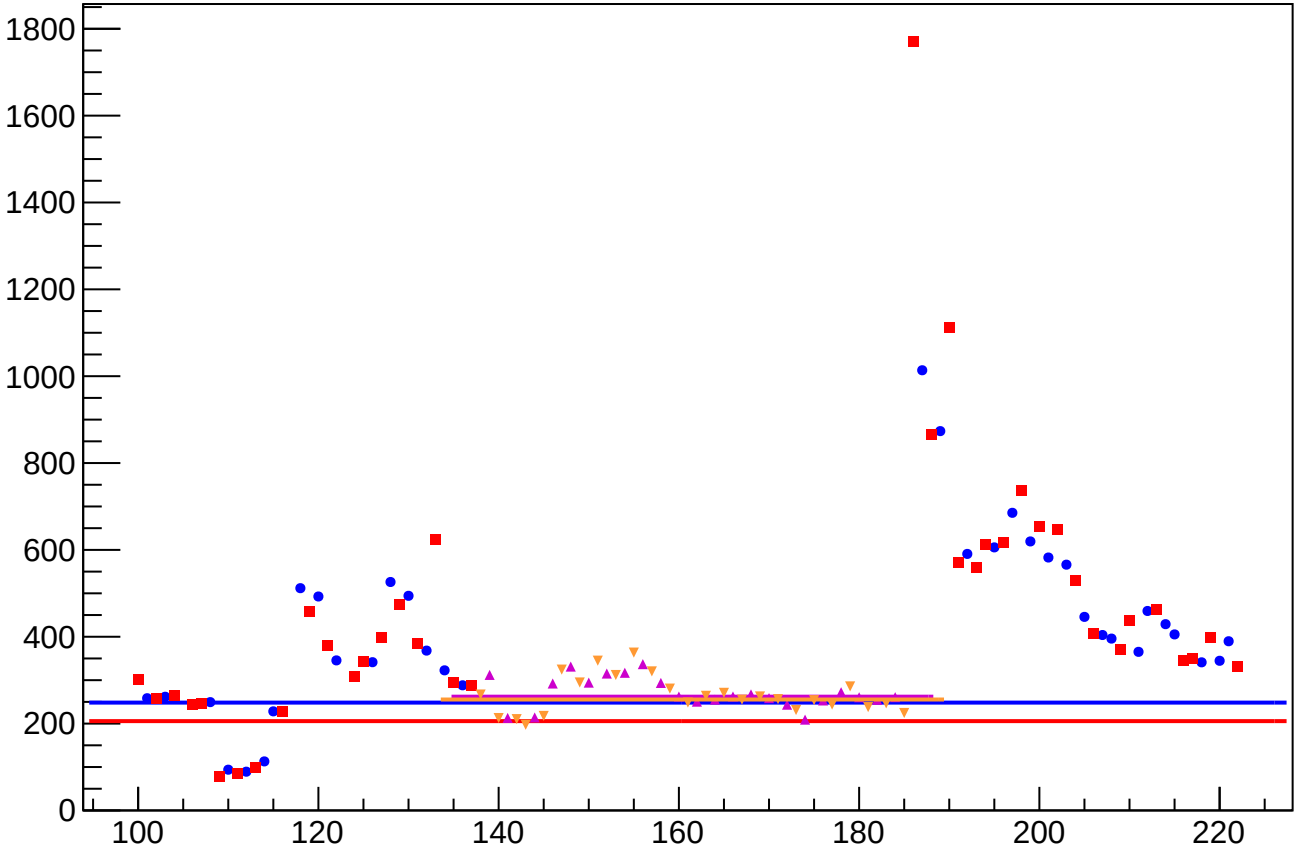
Right: -54.435+/-42.493 χ^2/NDF: 111.3/71

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -69.690+/-40.901 χ^2/NDF:120.6/62

All: -84.627+/-30.104 χ^2/NDF: 210.2/119

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: 205.712+/-0.040 χ^2/NDF: 18004116.6/37

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

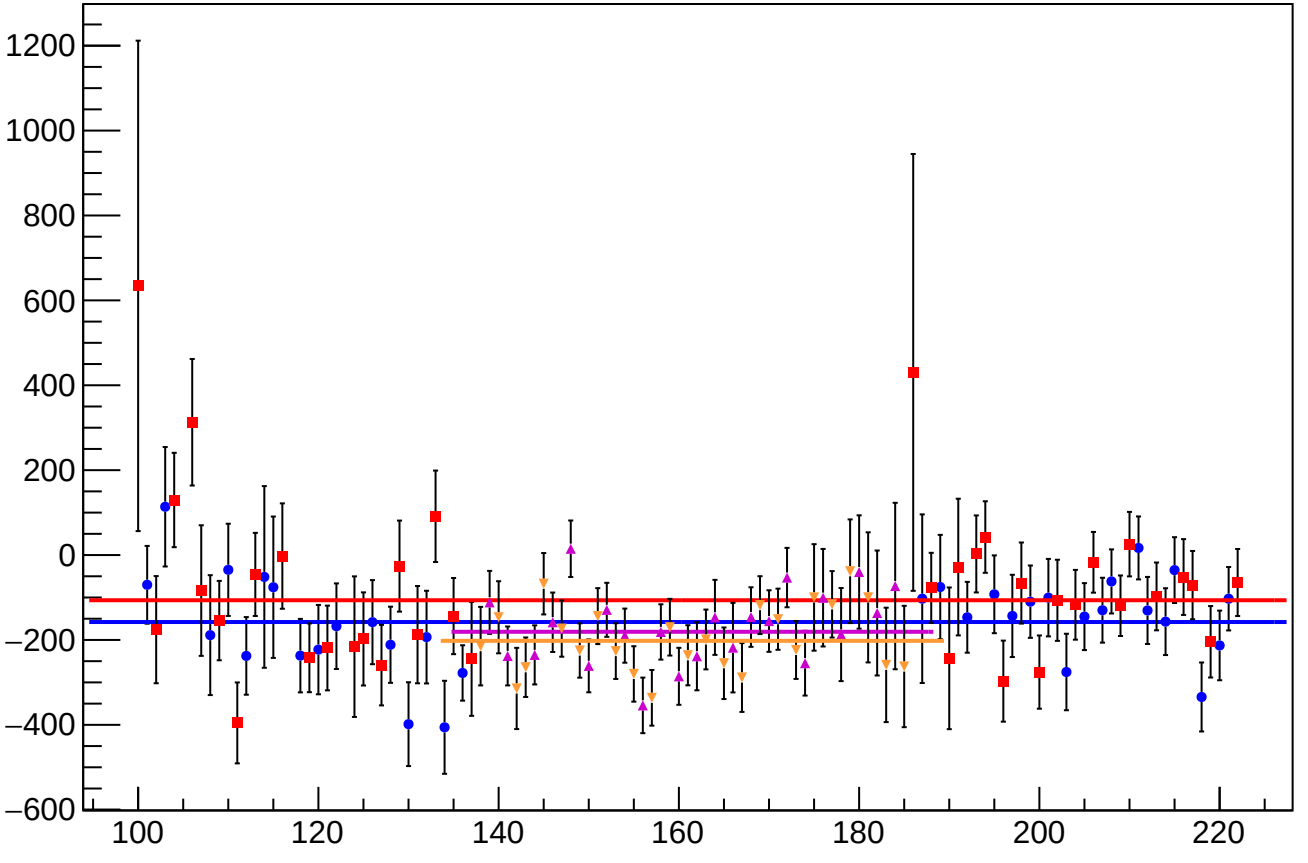
Right: 224.542+/-0.030 χ^2/NDF: 32107004.2/71

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 229.725+/-0.029 χ^2/NDF:19607037.6/62

All: 241.494+/-0.021 χ^2/NDF: 34292175.5/11

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: -106.452+/-15.927 χ^2/NDF: 60.0/37

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

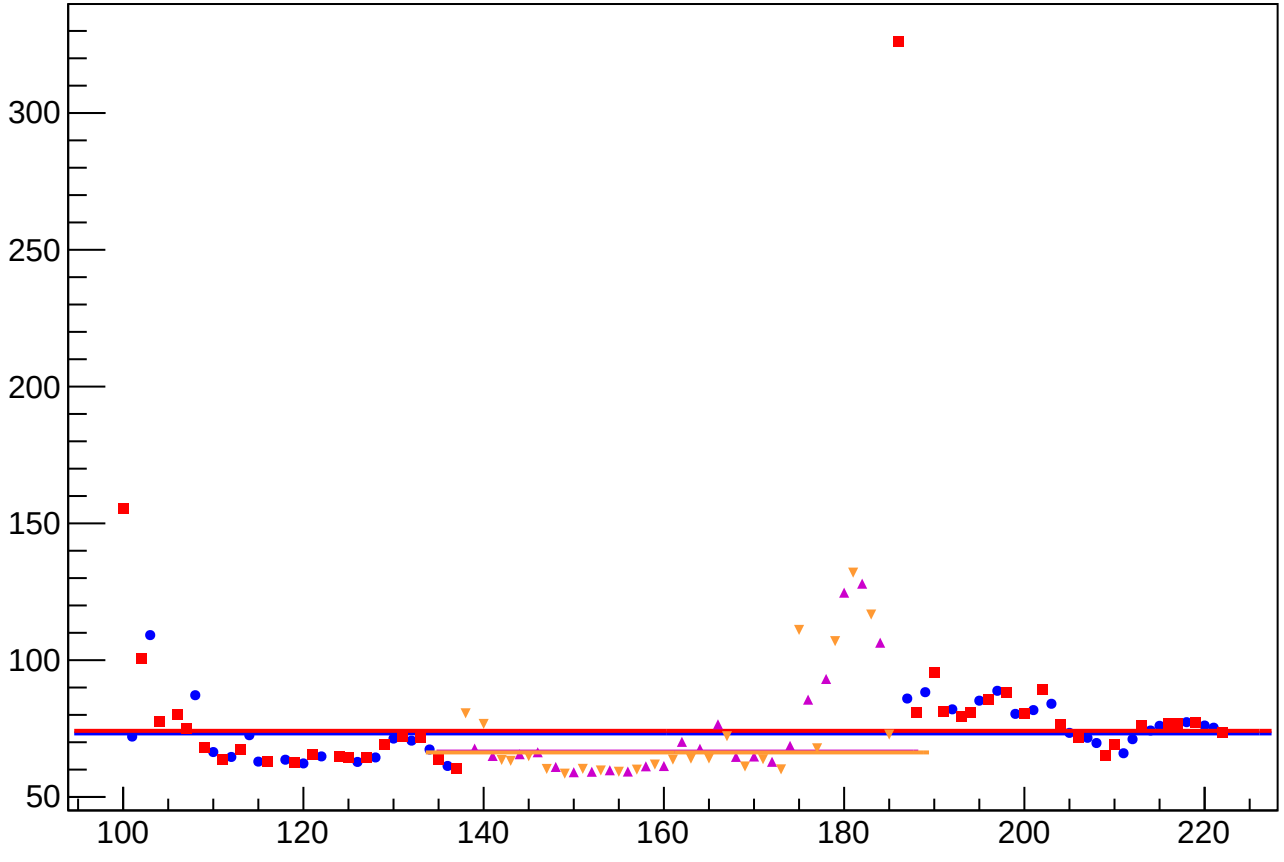
Right: -132.402+/-11.198 χ^2/NDF: 107.7/71

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -155.453+/-11.122 χ^2/NDF:99.9/62

All: -162.199+/-7.902 χ^2/NDF: 174.4/119

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: 74.170+/-0.011 χ^2/NDF: 1076523.5/37

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

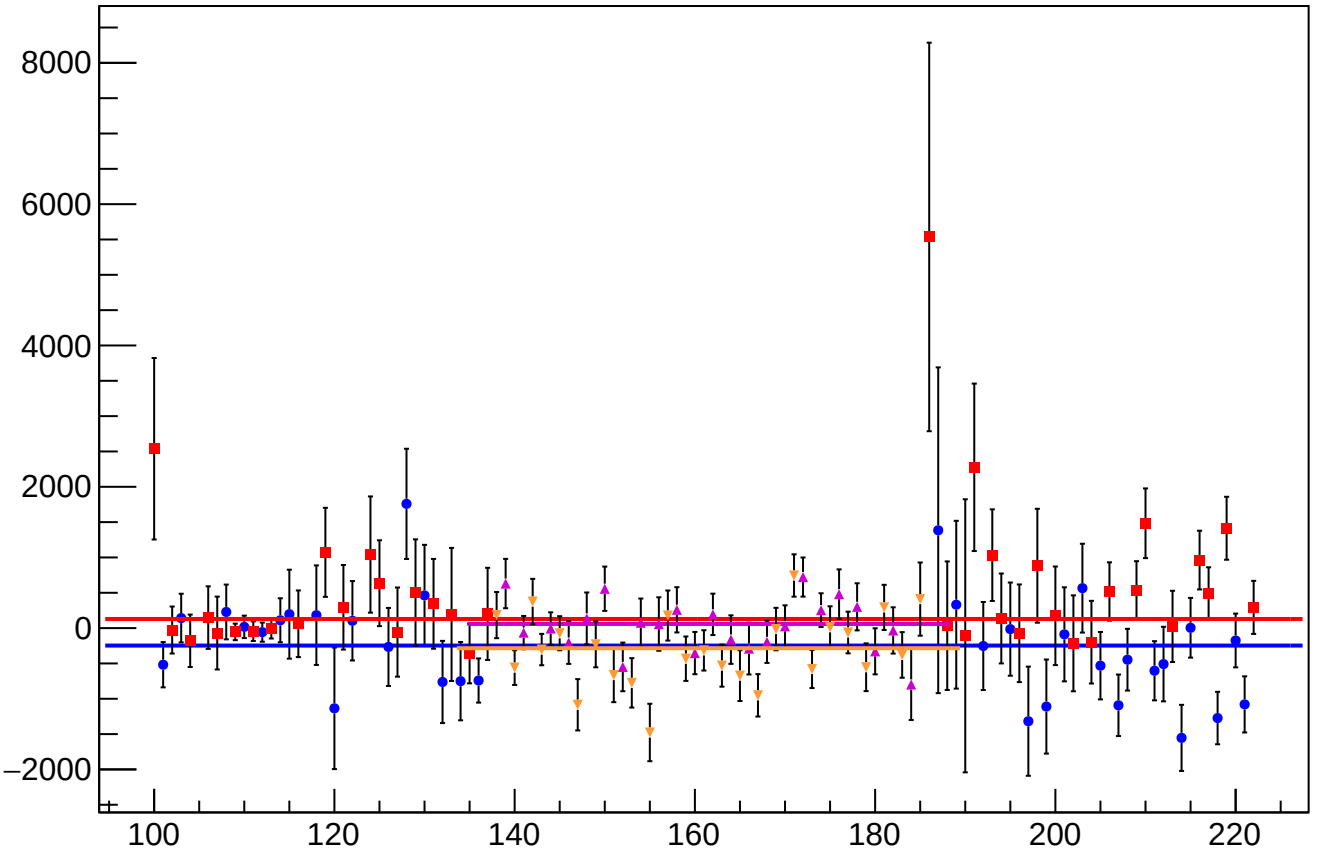
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.692+/-0.008 χ^2/NDF: 1683987.6/71

In: 69.962+/-0.008 χ^2/NDF:1936911.9/56

Out: 70.127+/-0.008 χ^2/NDF:2721940.7/62

All: 70.045+/-0.006 χ^2/NDF: 4659069.4/119



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: 129.428+/-58.381 χ^2/NDF: 49.2/37

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

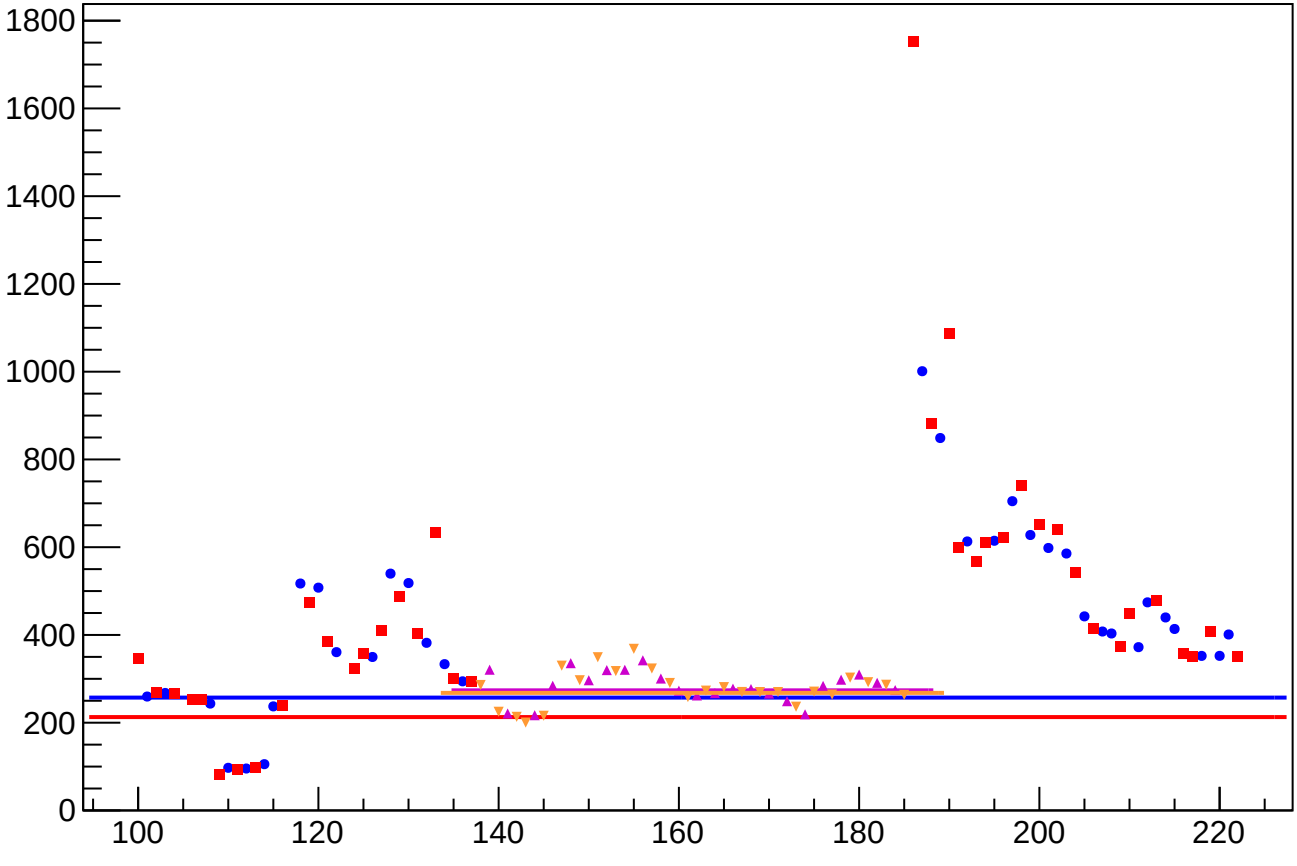
Right: -36.358+/-43.671 χ^2/NDF: 122.8/71

In: -91.169+/-46.112 χ^2/NDF:93.2/56

Out: -65.990+/-42.415 χ^2/NDF:127.5/62

All: -77.530+/-31.217 χ^2/NDF: 220.9/119

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: 212.818+/-0.041 χ^2/NDF: 17751140.7/37

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

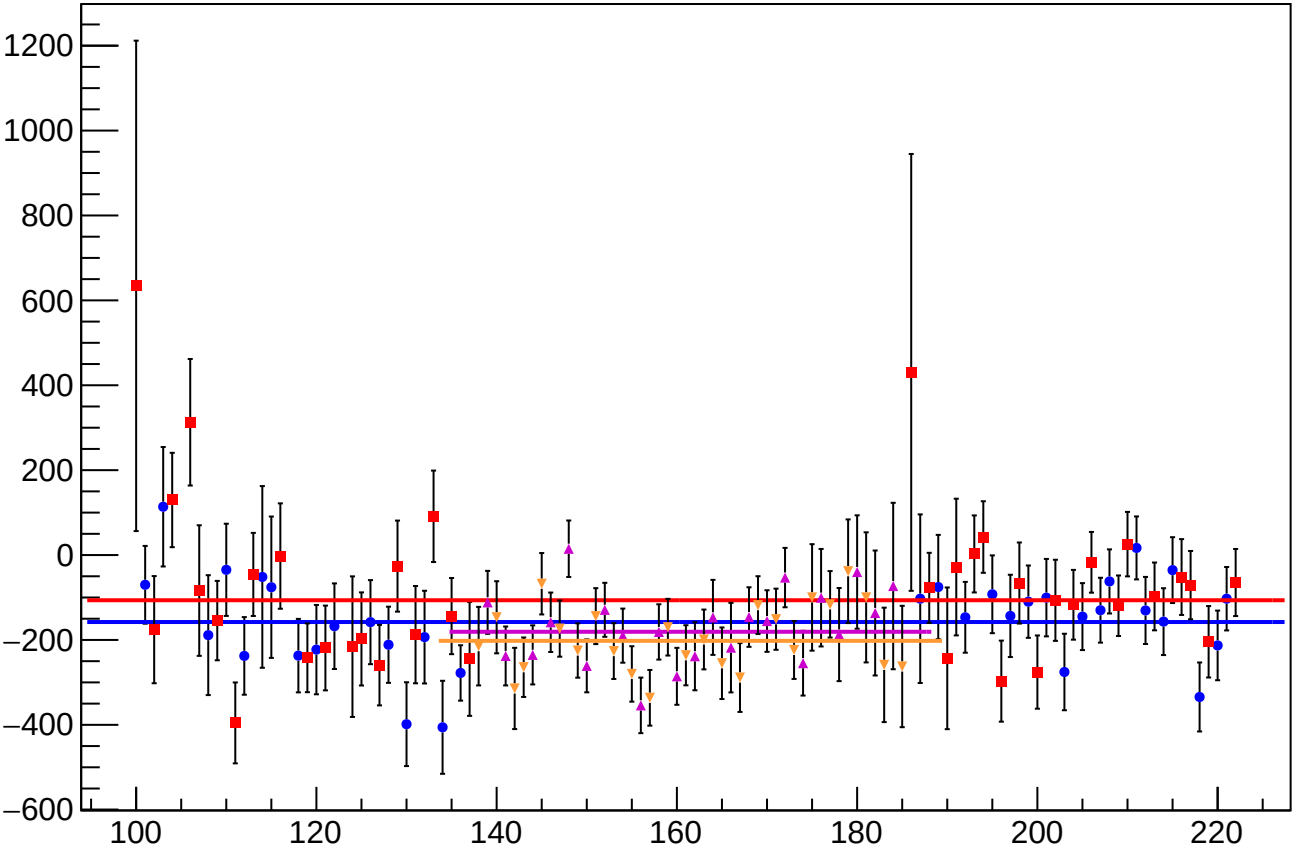
Right: 232.372+/-0.031 χ^2/NDF: 31527017.6/71

In: 265.631+/-0.033 χ^2/NDF:13981039.9/56

Out: 238.866+/-0.030 χ^2/NDF:19457134.3/62

All: 251.133+/-0.022 χ^2/NDF: 33803152.8/11

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



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: -106.454+/-15.927 χ^2/NDF: 60.0/37

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

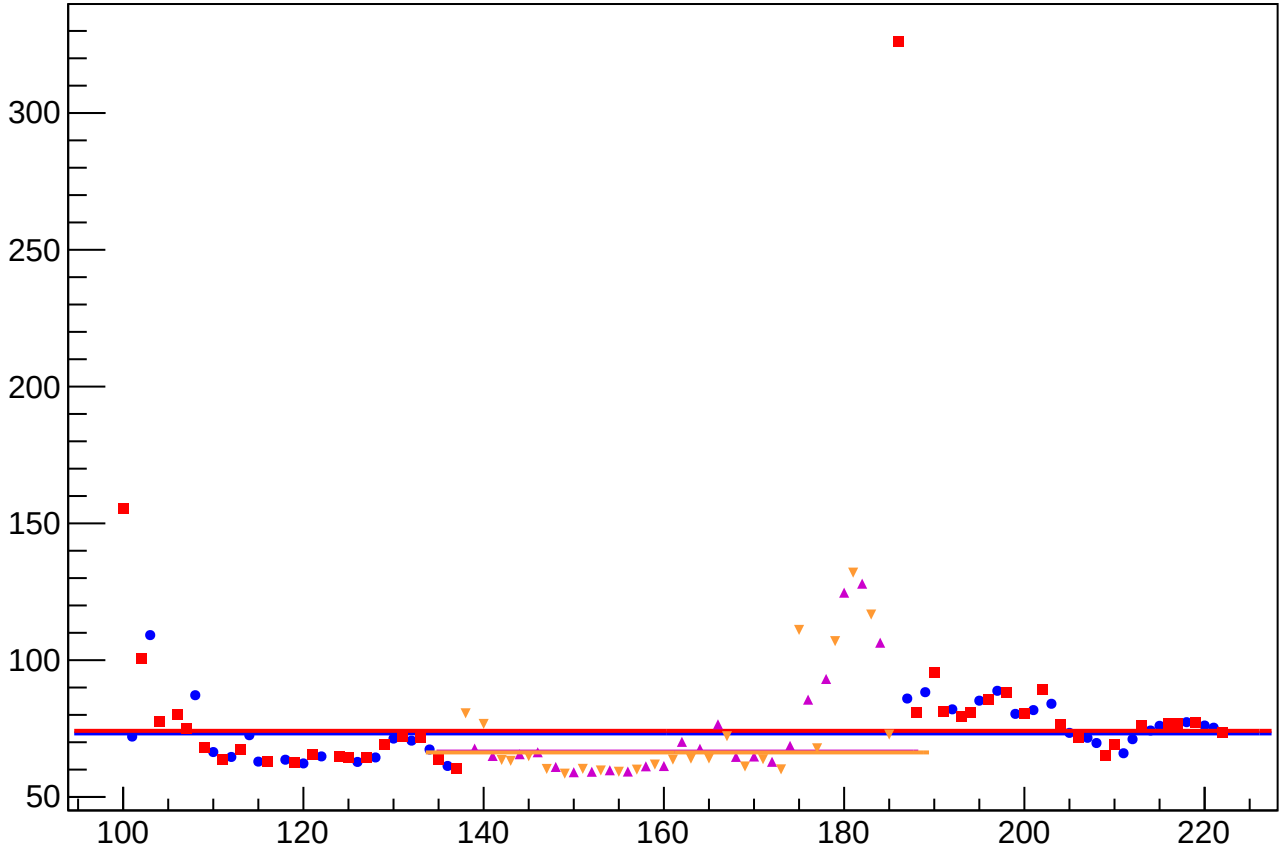
Right: -132.402+/-11.197 χ^2/NDF: 107.7/71

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -155.453+/-11.122 χ^2/NDF:99.9/62

All: -162.200+/-7.902 χ^2/NDF: 174.4/119

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: 74.170+/-0.011 χ^2/NDF: 1076528.3/37

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

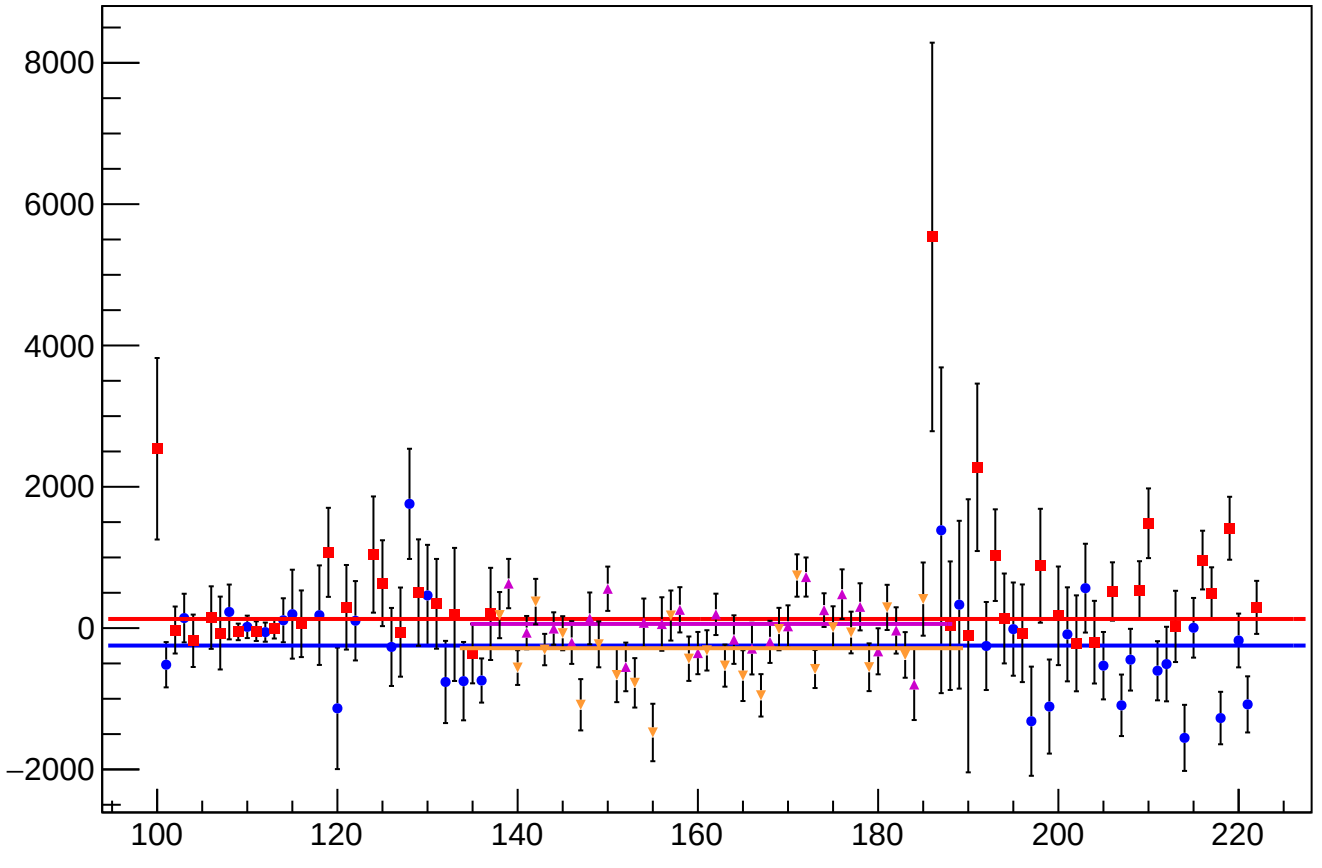
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.692+/-0.008 χ^2/NDF: 1683996.5/71

In: 69.962+/-0.008 χ^2/NDF:1936900.9/56

Out: 70.127+/-0.008 χ^2/NDF:2721936.5/62

All: 70.045+/-0.006 χ^2/NDF: 4659054.1/119



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: 129.426+/-58.381 χ^2/NDF: 49.2/37

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

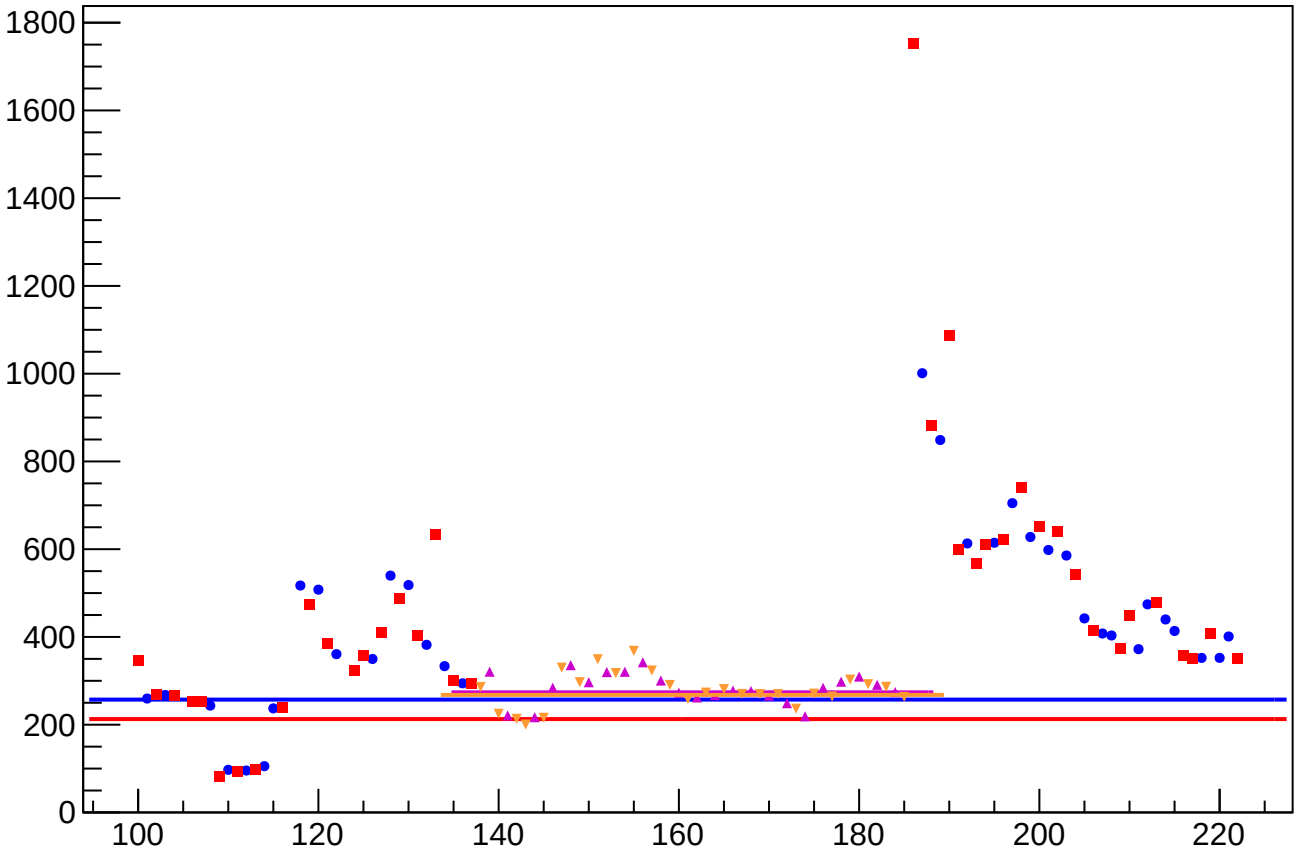
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -36.358+/-43.671 χ^2/NDF: 122.8/71

In: -91.168+/-46.112 χ^2/NDF:93.2/56

Out: -65.991+/-42.415 χ^2/NDF:127.5/62

All: -77.530+/-31.217 χ^2/NDF: 220.9/119



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: 212.818+/-0.041 χ^2/NDF: 17751140.3/37

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

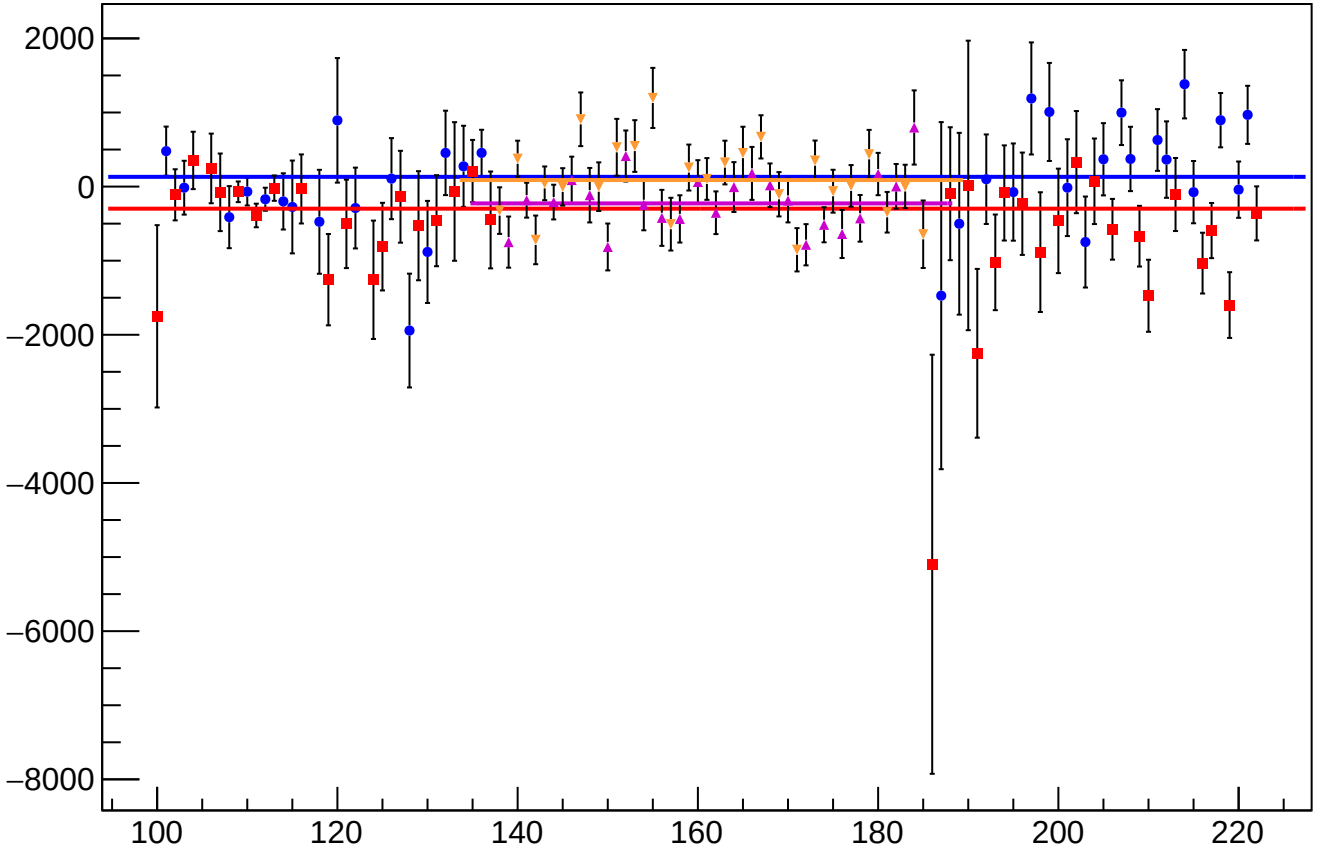
Right: 232.371+/-0.031 χ^2/NDF: 31527097.2/71

In: 265.629+/-0.033 χ^2/NDF:13981155.6/56

Out: 238.866+/-0.030 χ^2/NDF:19457134.7/62

All: 251.132+/-0.022 χ^2/NDF: 33803253.9/11

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: -297.968+/-64.060 χ^2/NDF: 47.4/37

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

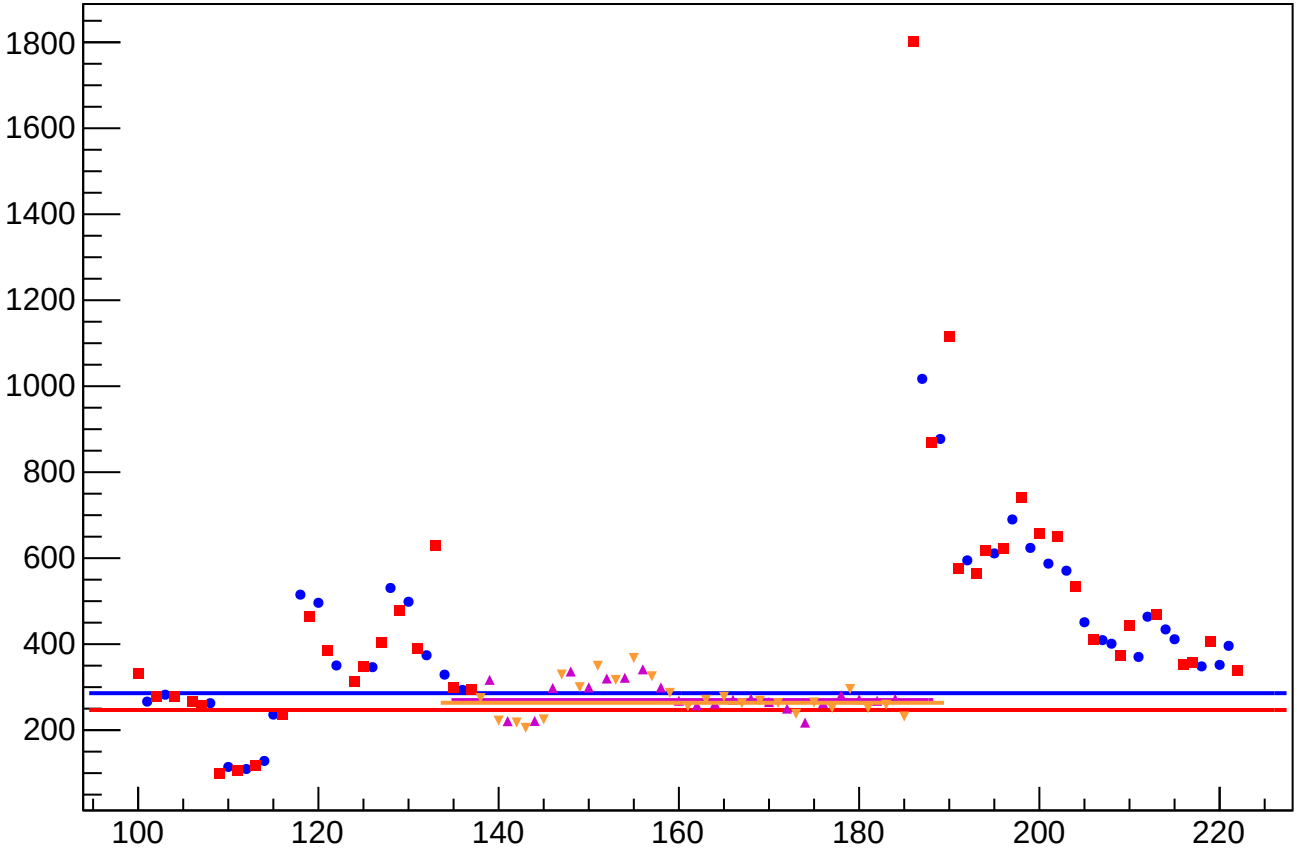
Right: -102.896+/-47.322 χ^2/NDF: 119.3/71

In: -65.162+/-47.166 χ^2/NDF:94.7/56

Out: -94.280+/-44.048 χ^2/NDF:118.7/62

All: -80.715+/-32.193 χ^2/NDF: 213.6/119

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: 246.875+/-0.045 χ^2/NDF: 14663389.2/37

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

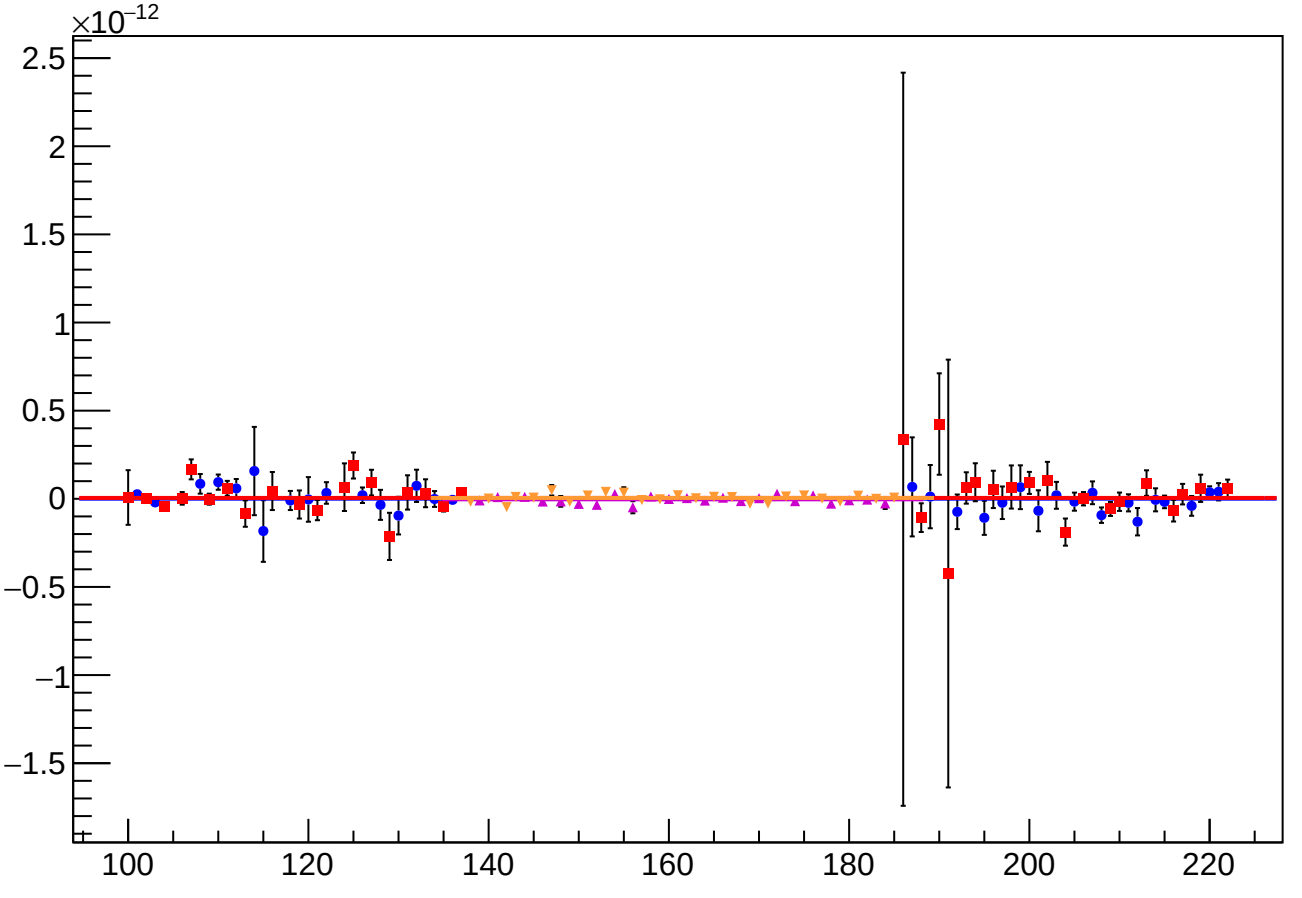
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 264.636+/-0.033 χ^2/NDF: 25603983.9/71

In: 277.151+/-0.033 χ^2/NDF:11261942.4/56

Out: 255.688+/-0.031 χ^2/NDF:15515052.2/62

All: 265.687+/-0.023 χ^2/NDF: 26998197.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.5/37

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

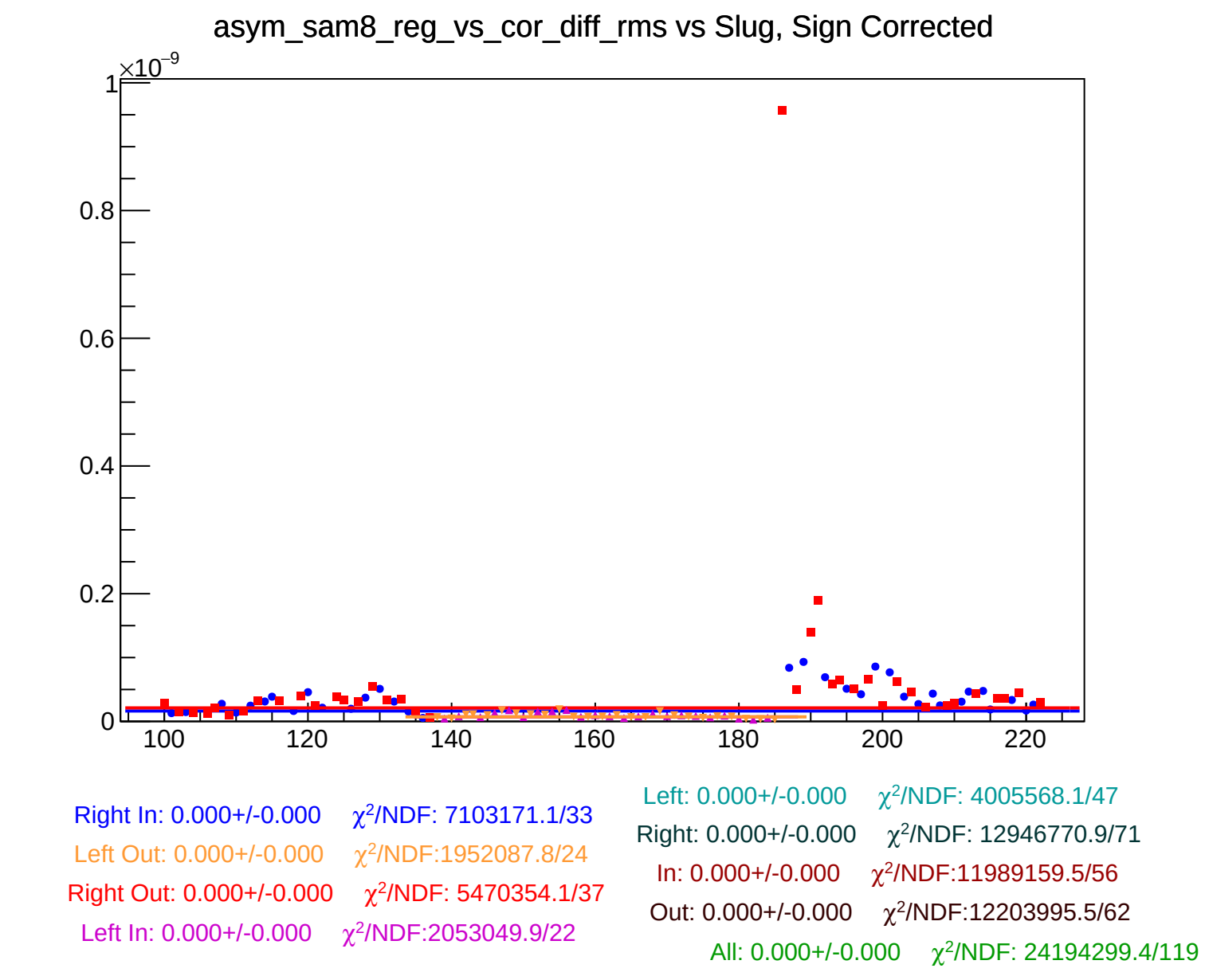
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

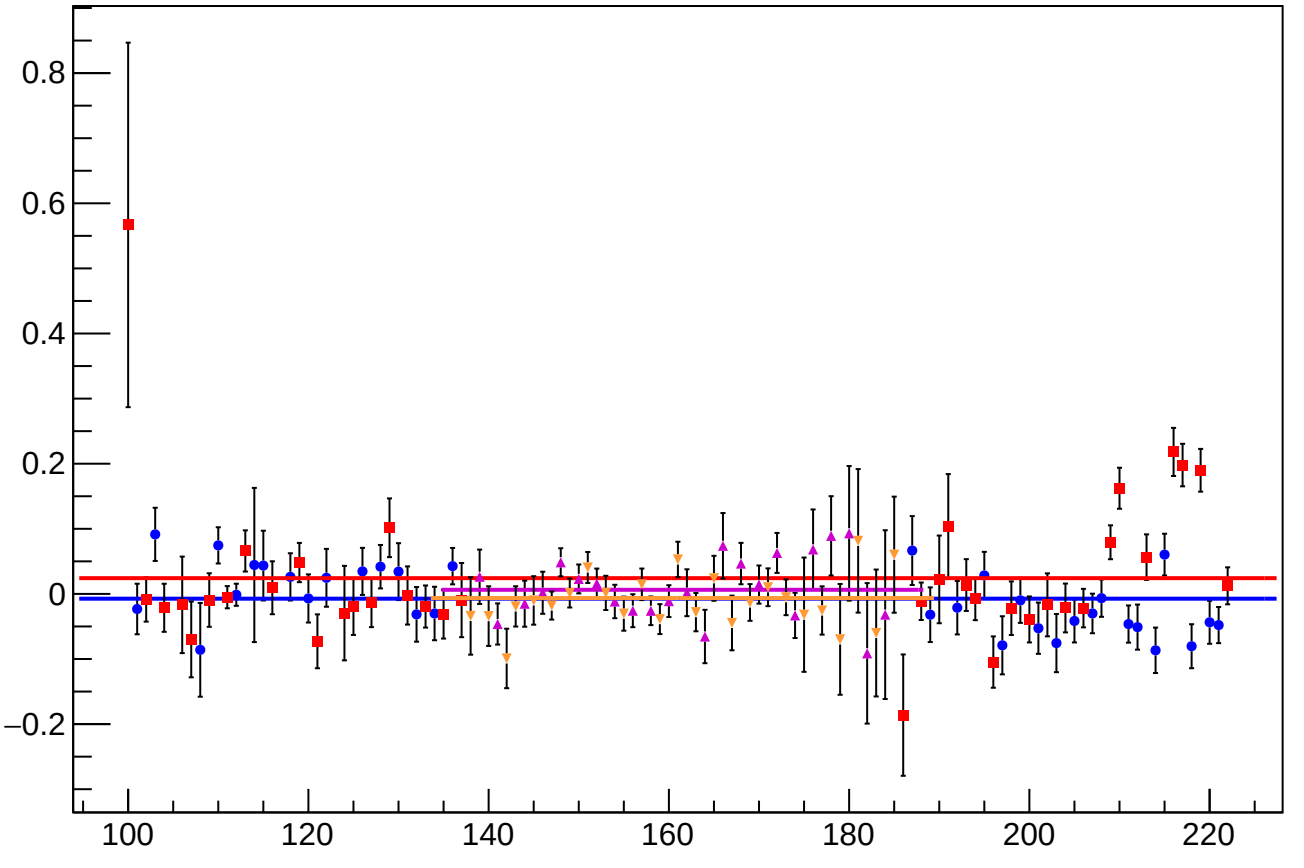
Right: 0.000+/-0.000 χ^2/NDF: 80.1/71

In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: 0.000+/-0.000 χ^2/NDF:80.4/62

All: 0.000+/-0.000 χ^2/NDF: 132.7/119


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7103171.1/33
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5470354.1/37
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 12946770.9/71
In: 0.000+/-0.000 χ²/NDF:11989159.5/56
Out: 0.000+/-0.000 χ²/NDF:12203995.5/62
All: 0.000+/-0.000 χ²/NDF: 24194299.4/119



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: 0.024+/-0.006 χ^2/NDF: 165.5/37

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

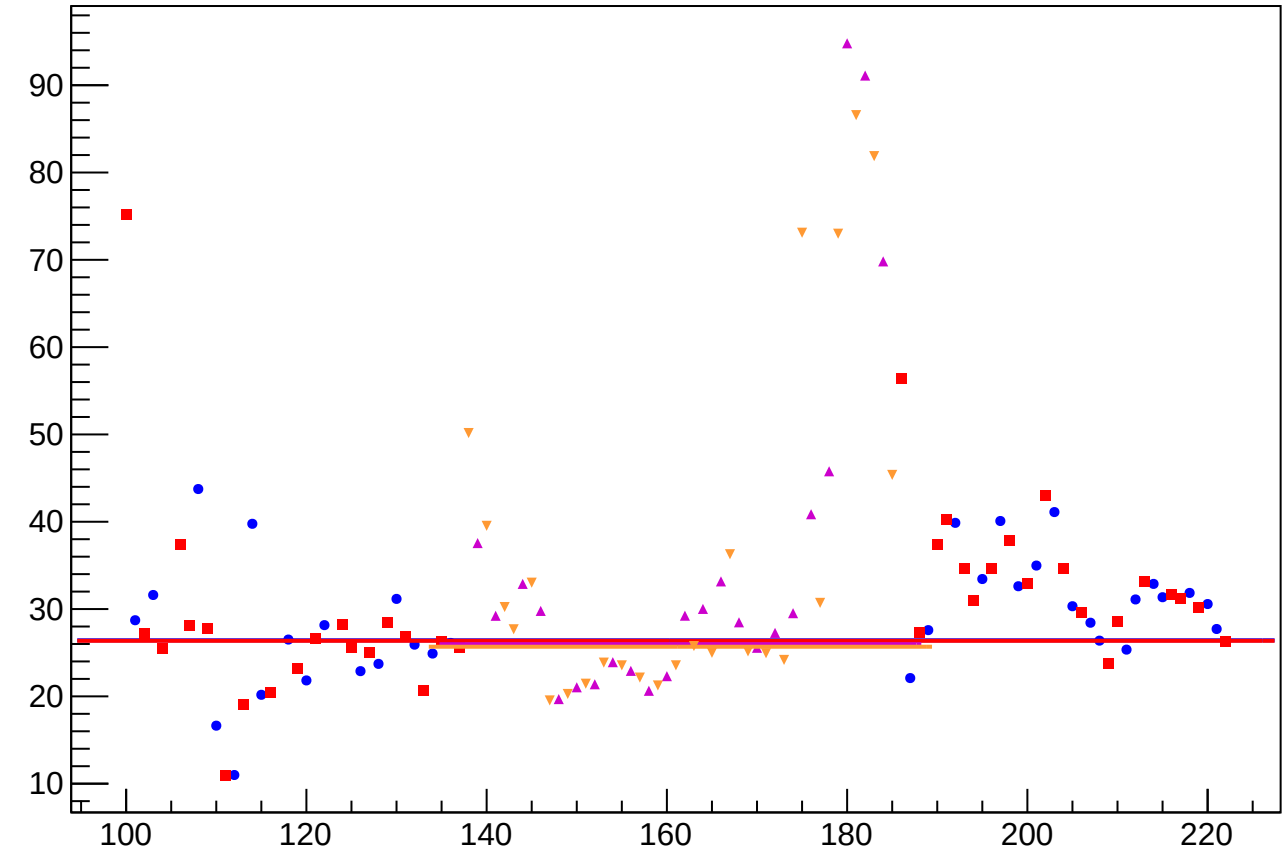
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.004 χ^2/NDF: 238.6/71

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/62

All: 0.005+/-0.003 χ^2/NDF: 293.5/119



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: 26.364+/-0.004 χ^2/NDF: 3335020.5/37

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

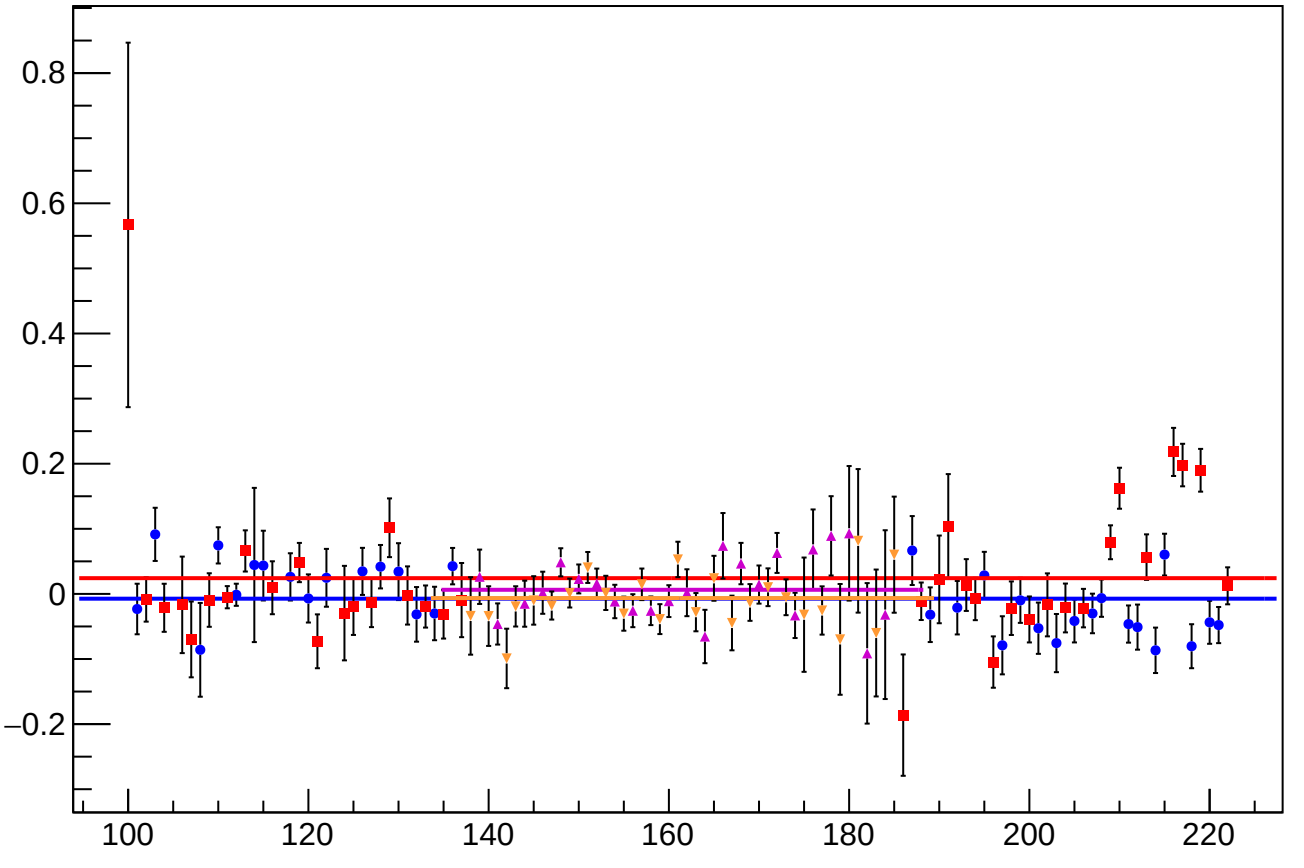
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.393+/-0.003 χ^2/NDF: 6679070.2/71

In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.051+/-0.003 χ^2/NDF:7218722.2/62

All: 26.134+/-0.002 χ^2/NDF: 13687632.2/119



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: 0.024+/-0.006 χ^2/NDF: 165.5/37

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

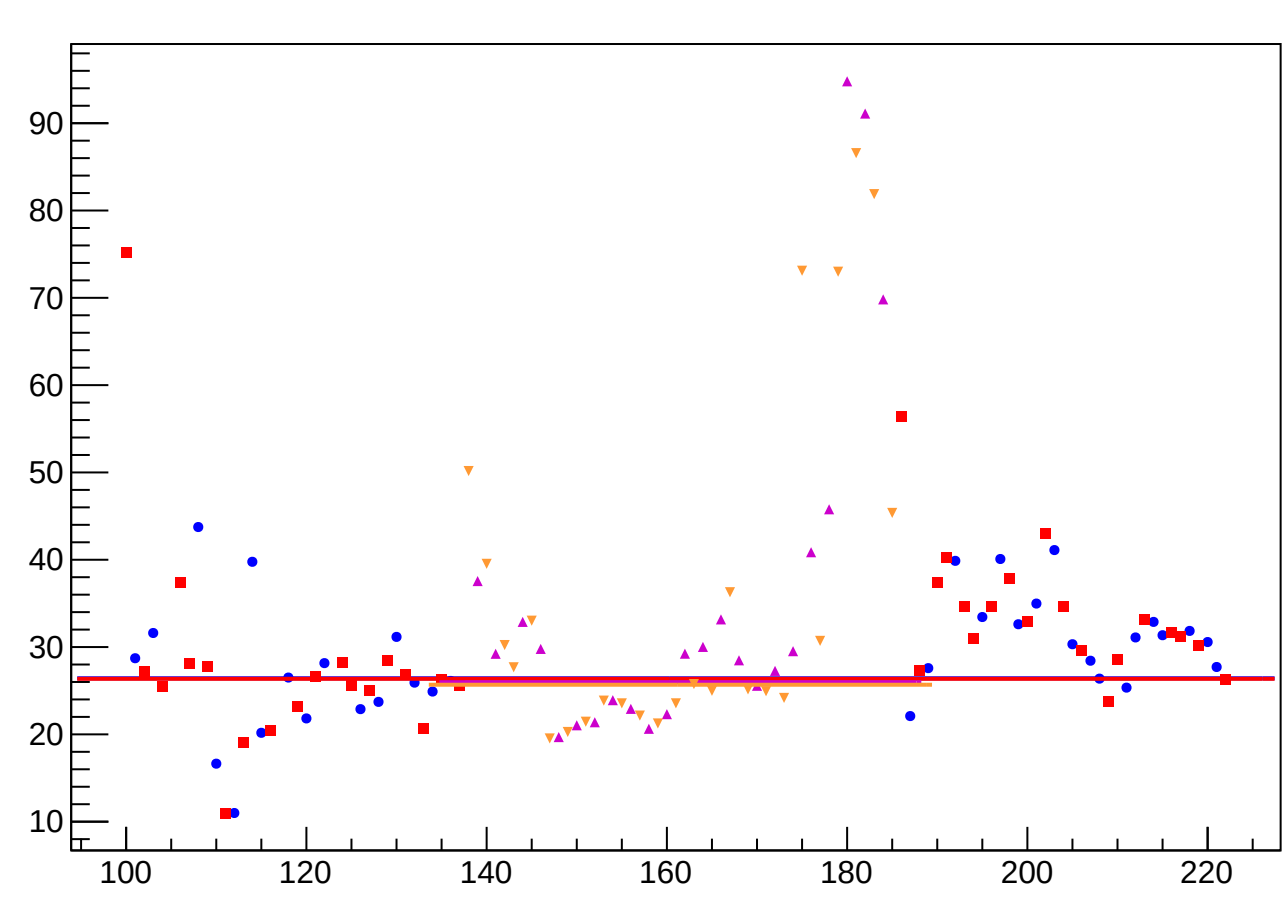
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.004 χ^2/NDF: 238.6/71

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/62

All: 0.005+/-0.003 χ^2/NDF: 293.5/119



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: 26.364+/-0.004 χ^2/NDF: 3335020.5/37

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

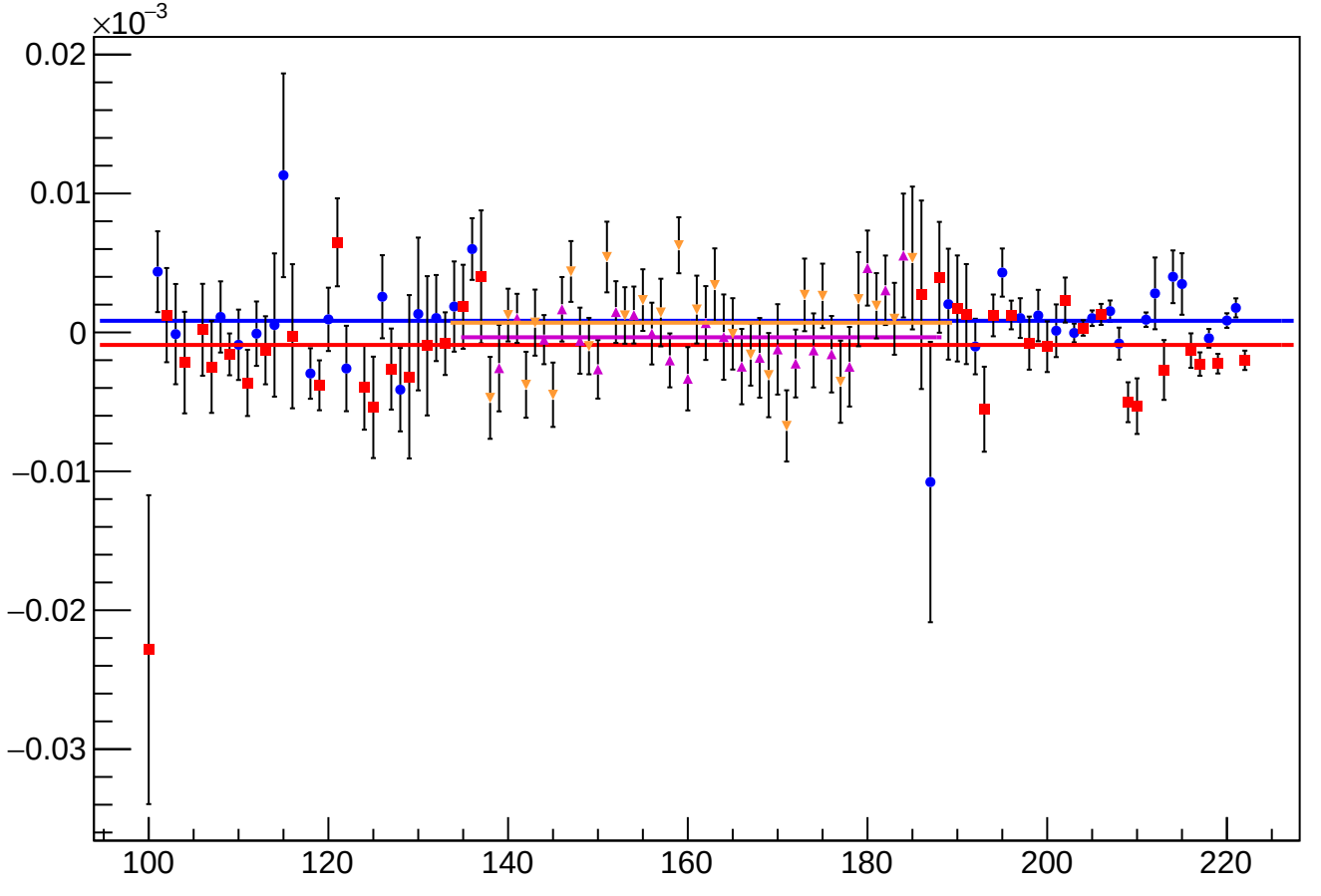
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.393+/-0.003 χ^2/NDF: 6679070.2/71

In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.051+/-0.003 χ^2/NDF:7218722.2/62

All: 26.134+/-0.002 χ^2/NDF: 13687632.2/119



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: 70.4/37

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

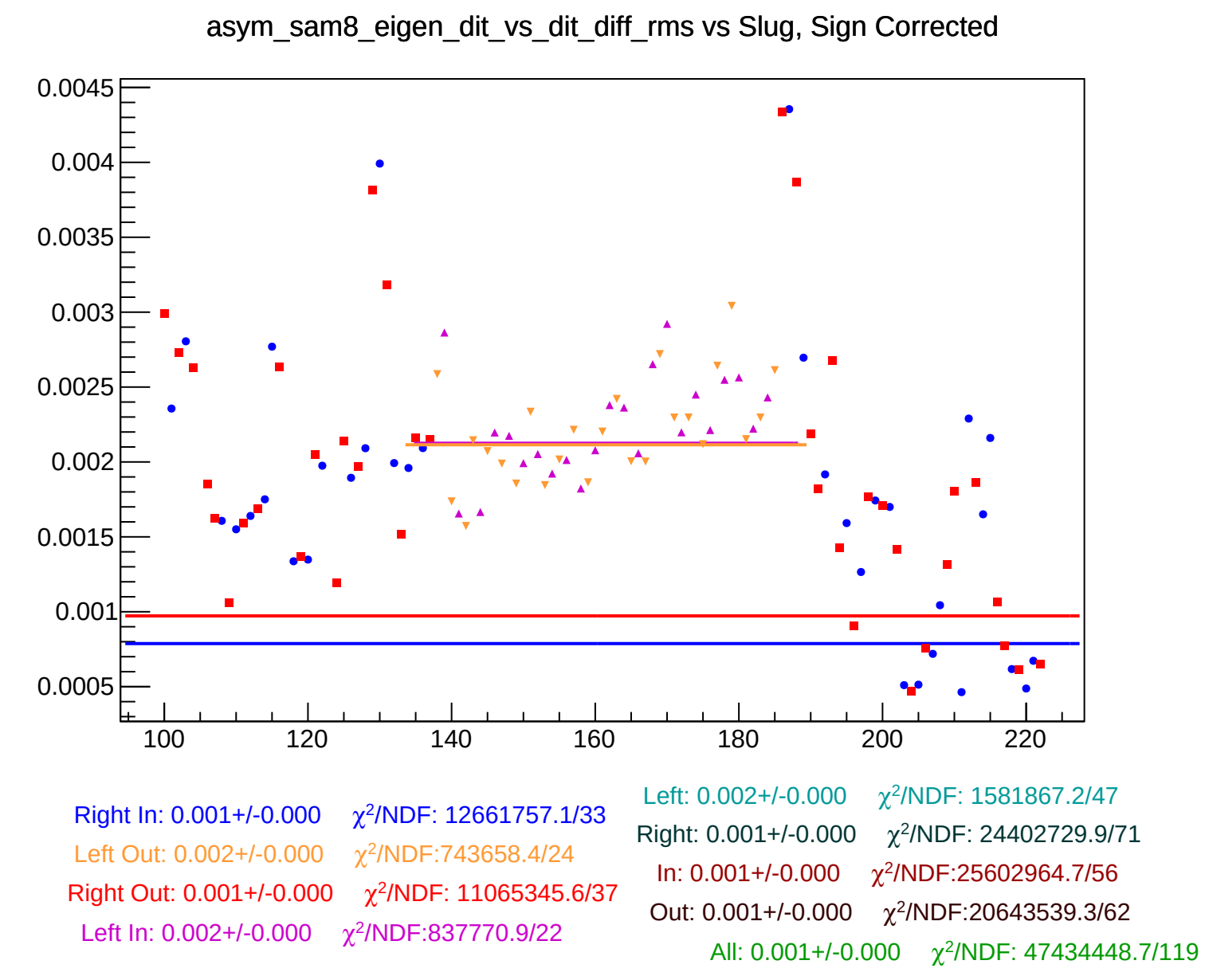
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

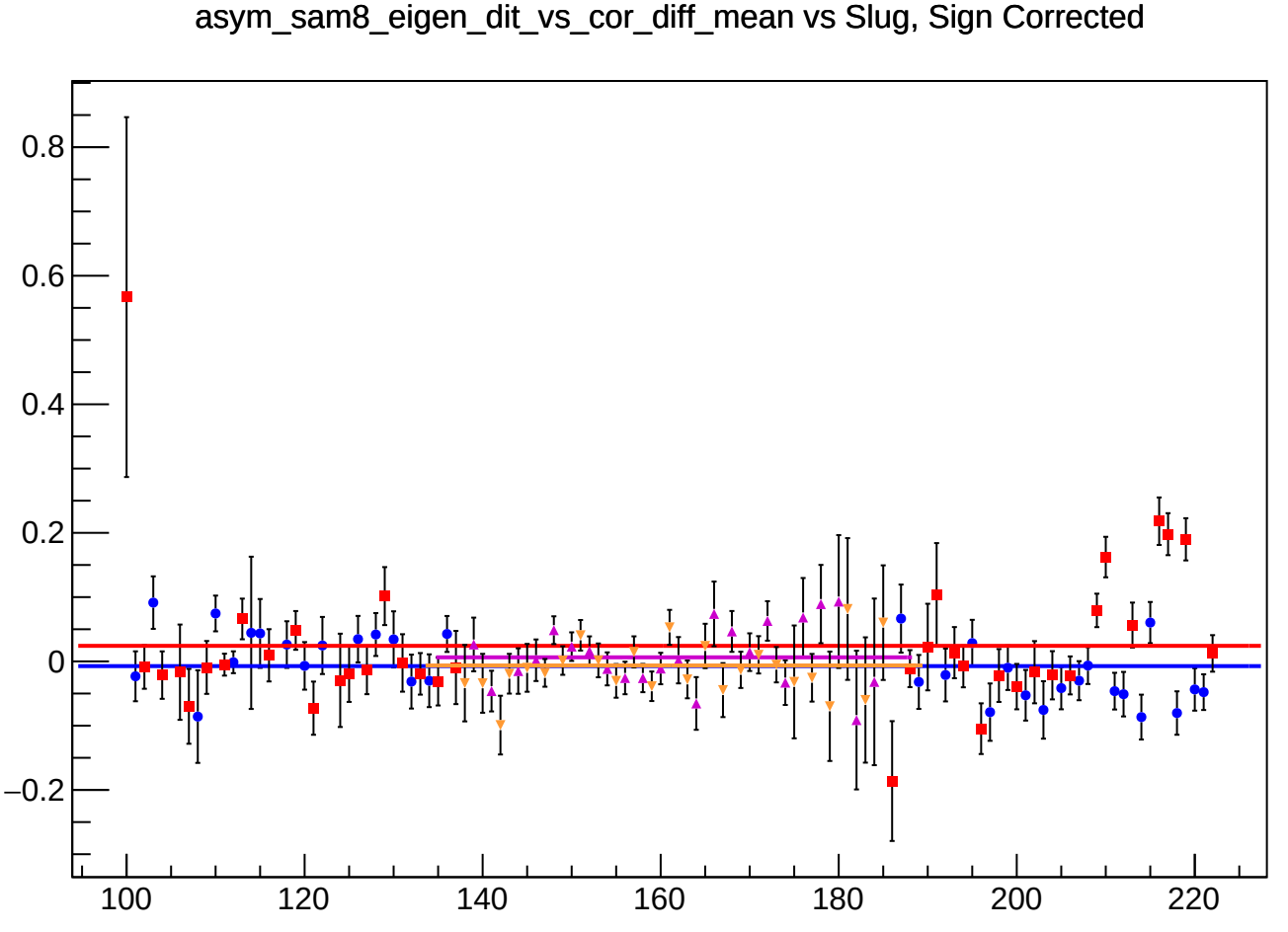
Right: 0.000+/-0.000 χ^2/NDF: 140.1/71

In: 0.000+/-0.000 χ^2/NDF:60.8/56

Out: -0.000+/-0.000 χ^2/NDF:123.4/62

All: 0.000+/-0.000 χ^2/NDF: 203.1/119


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: 11065345.6/37
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: 24402729.9/71
In: 0.001+/-0.000 χ²/NDF:25602964.7/56
Out: 0.001+/-0.000 χ²/NDF:20643539.3/62
All: 0.001+/-0.000 χ²/NDF: 47434448.7/119



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: 0.024+/-0.006 χ^2/NDF: 165.4/37

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

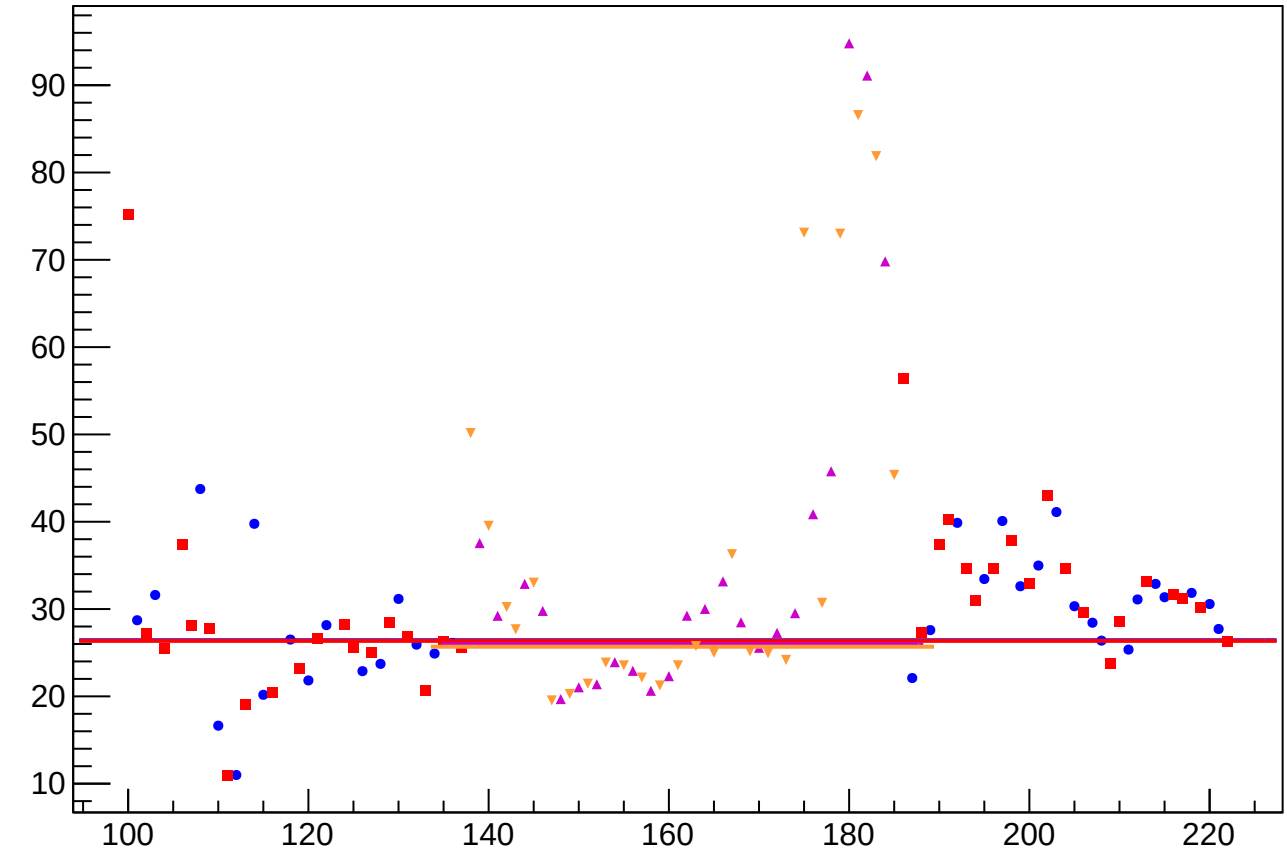
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.004 χ^2/NDF: 238.6/71

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/62

All: 0.005+/-0.003 χ^2/NDF: 293.5/119



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: 26.364+/-0.004 χ^2/NDF: 3335323.6/37

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

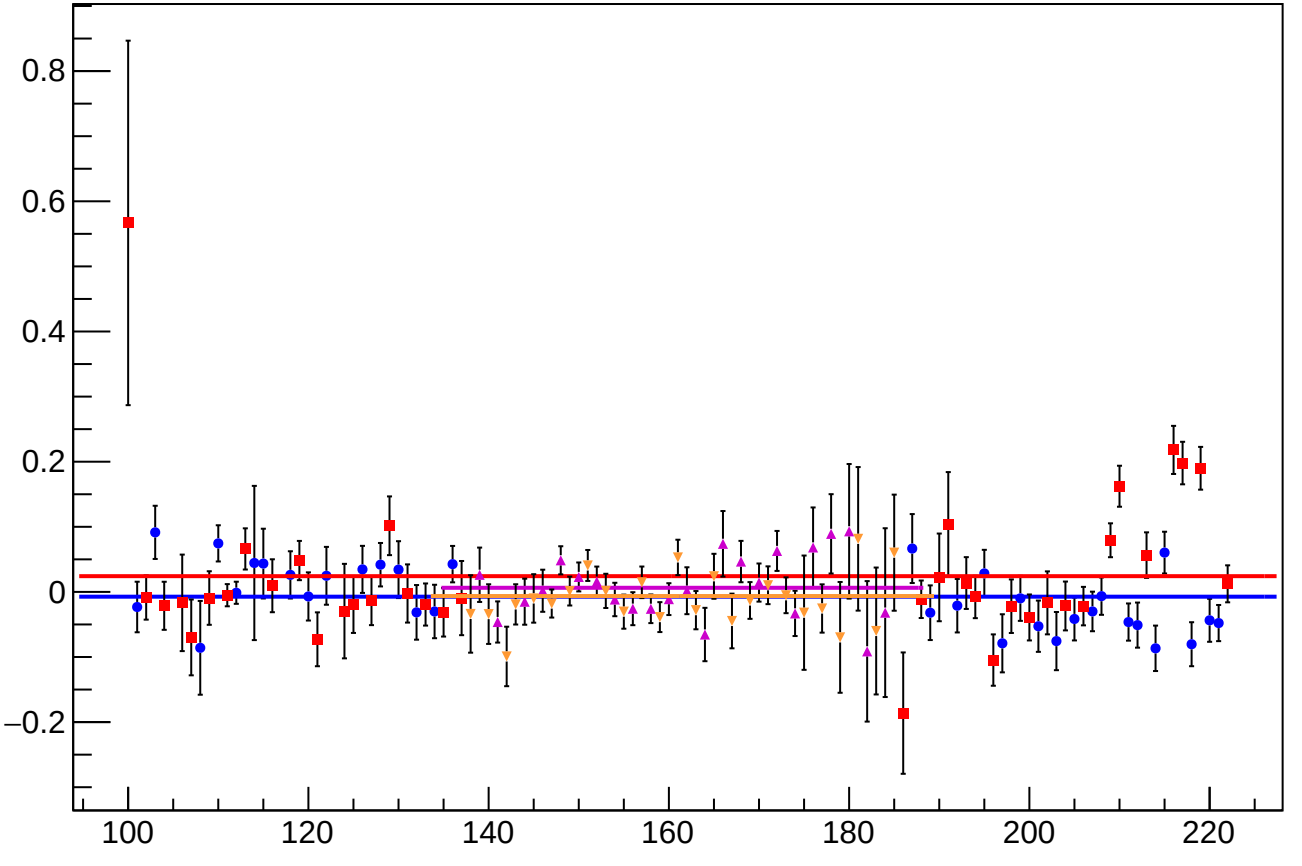
Right: 26.393+/-0.003 χ^2/NDF: 6679673.2/71

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.051+/-0.003 χ^2/NDF:7219007.4/62

All: 26.134+/-0.002 χ^2/NDF: 13688184.8/119

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: 0.024+/-0.006 χ^2/NDF: 165.4/37

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

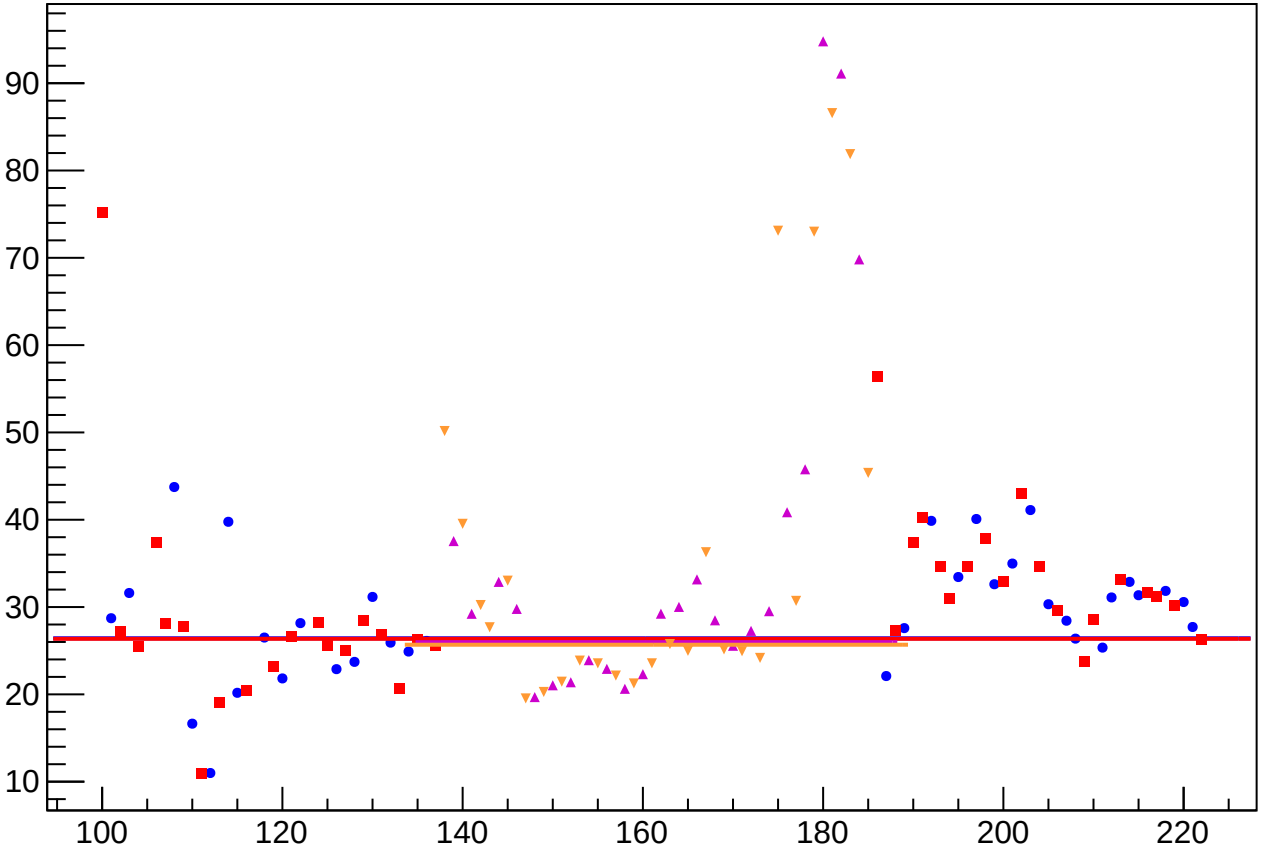
Right: 0.009+/-0.004 χ^2/NDF: 238.6/71

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/62

All: 0.005+/-0.003 χ^2/NDF: 293.5/119

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: 26.364+/-0.004 χ^2/NDF: 3335323.6/37

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

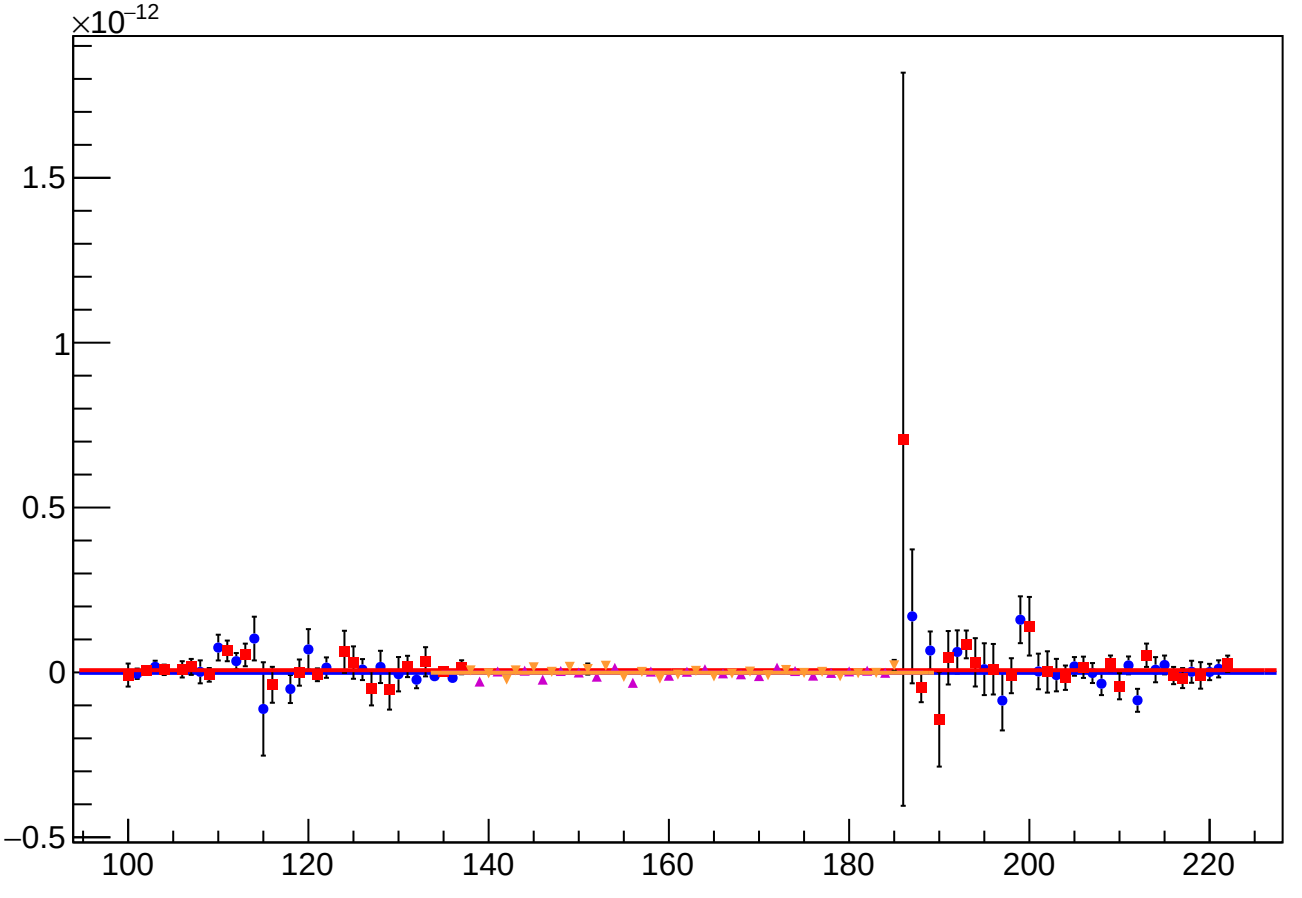
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.393+/-0.003 χ^2/NDF: 6679673.2/71

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.051+/-0.003 χ^2/NDF:7219007.4/62

All: 26.134+/-0.002 χ^2/NDF: 13688184.8/119



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: 26.4/37

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

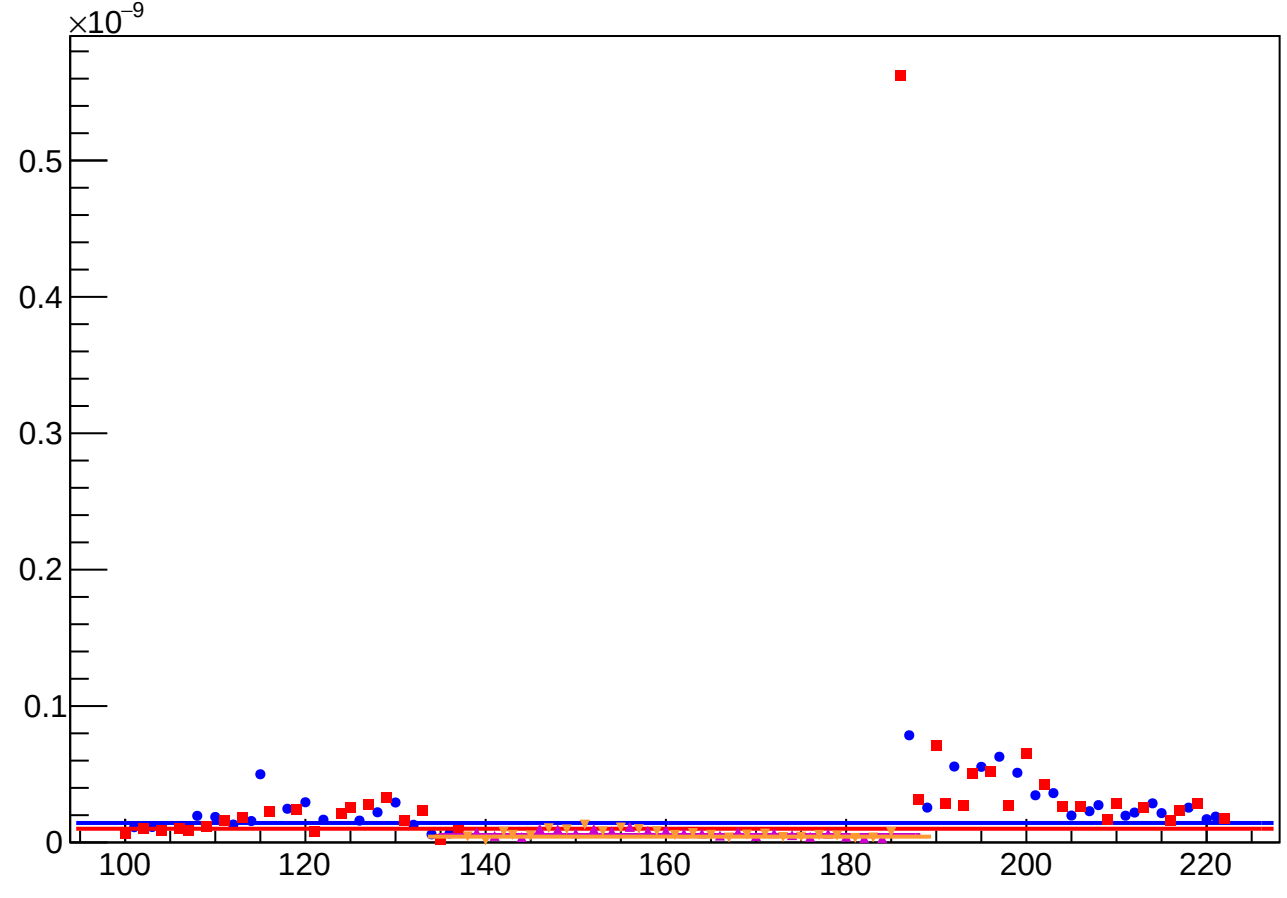
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 63.4/71

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: -0.000+/-0.000 χ^2/NDF:58.7/62

All: -0.000+/-0.000 χ^2/NDF: 123.7/119



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: 12589292.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

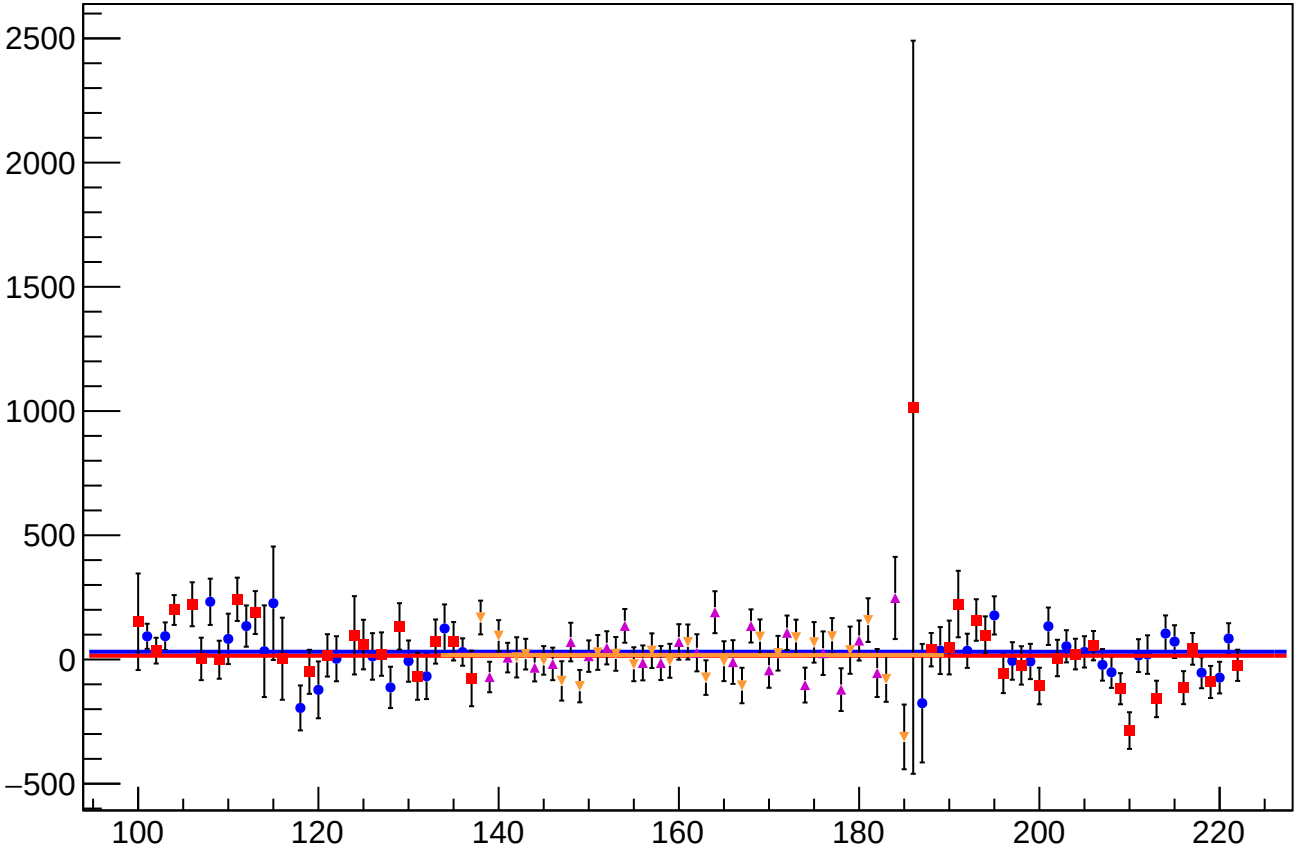
Right: 0.000+/-0.000 χ^2/NDF: 21384822.3/71

In: 0.000+/-0.000 χ^2/NDF:17017625.5/56

Out: 0.000+/-0.000 χ^2/NDF:21892475.9/62

All: 0.000+/-0.000 χ^2/NDF: 40068699.5/119

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: 14.891+/-12.832 χ^2/NDF: 76.9/37

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

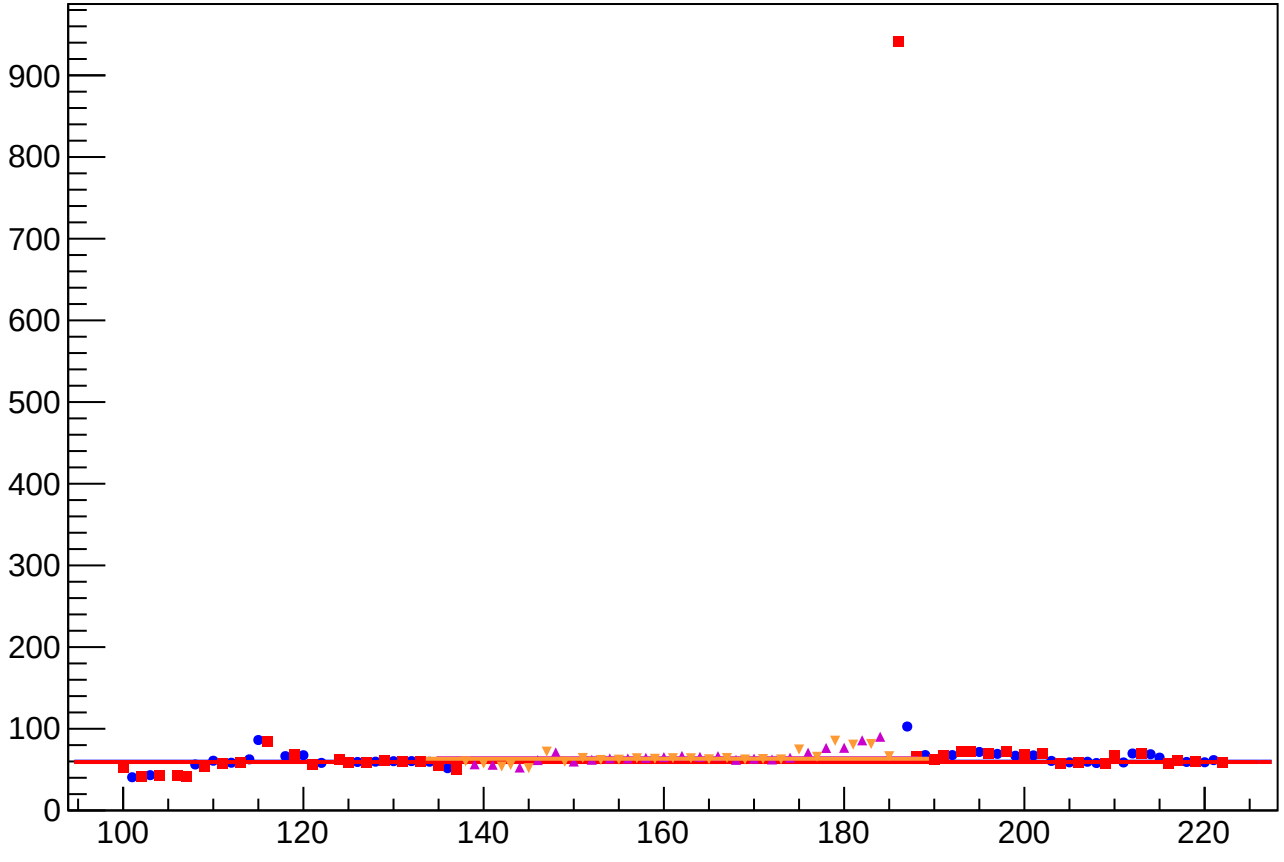
Right: 22.999+/-9.090 χ^2/NDF: 117.2/71

In: 26.290+/-9.782 χ^2/NDF:66.1/56

Out: 16.169+/-9.608 χ^2/NDF:108.5/62

All: 21.139+/-6.855 χ^2/NDF: 175.1/119

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: 59.288+/-0.009 χ^2/NDF: 1719505.7/37

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

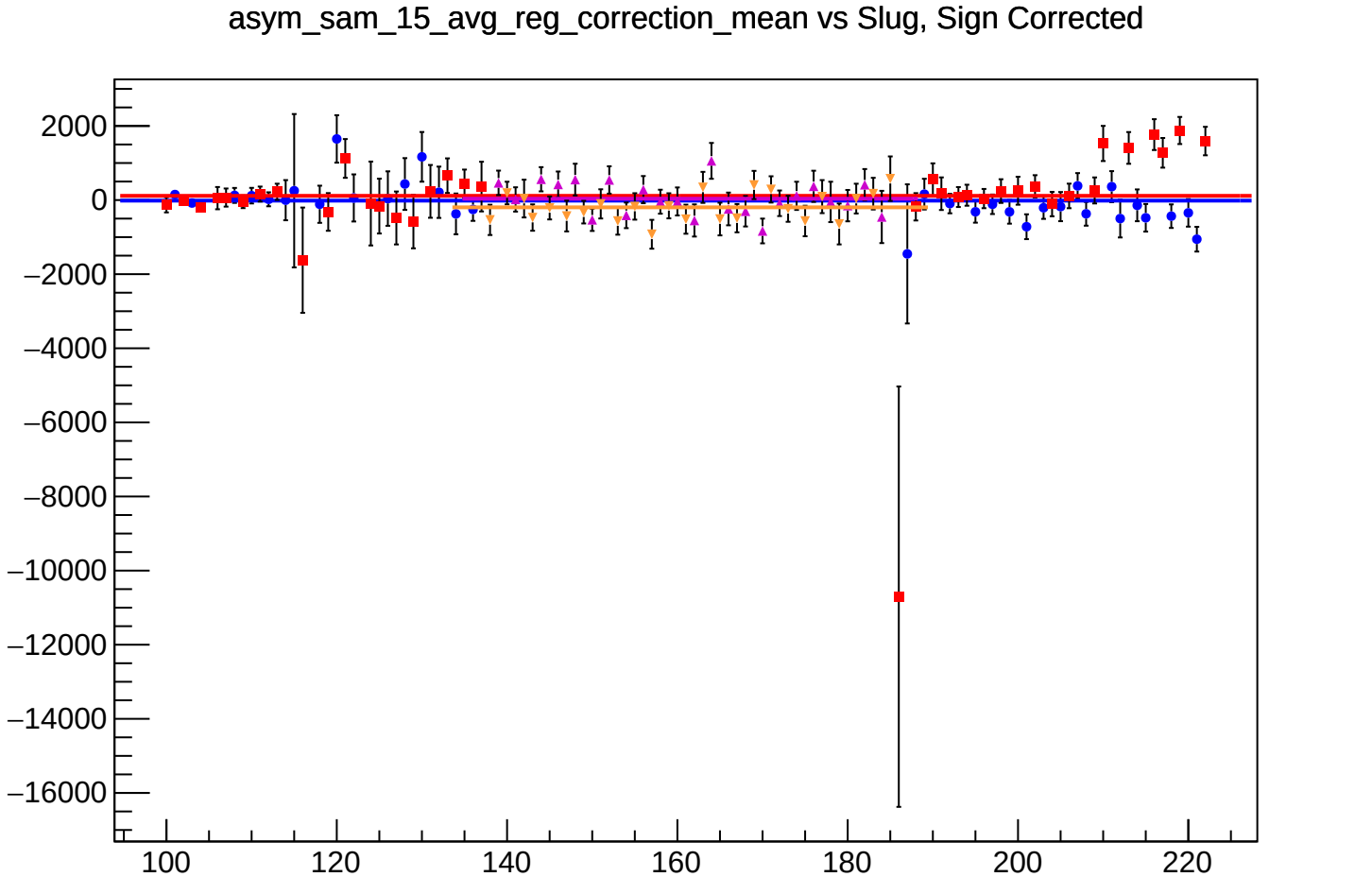
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.504+/-0.006 χ^2/NDF: 2585338.6/71

In: 61.497+/-0.007 χ^2/NDF:1399824.9/56

Out: 61.056+/-0.007 χ^2/NDF:2303384.6/62

All: 61.273+/-0.005 χ^2/NDF: 3705278.5/119



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: 114.361+/-42.842 χ^2/NDF: 113.3/37

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

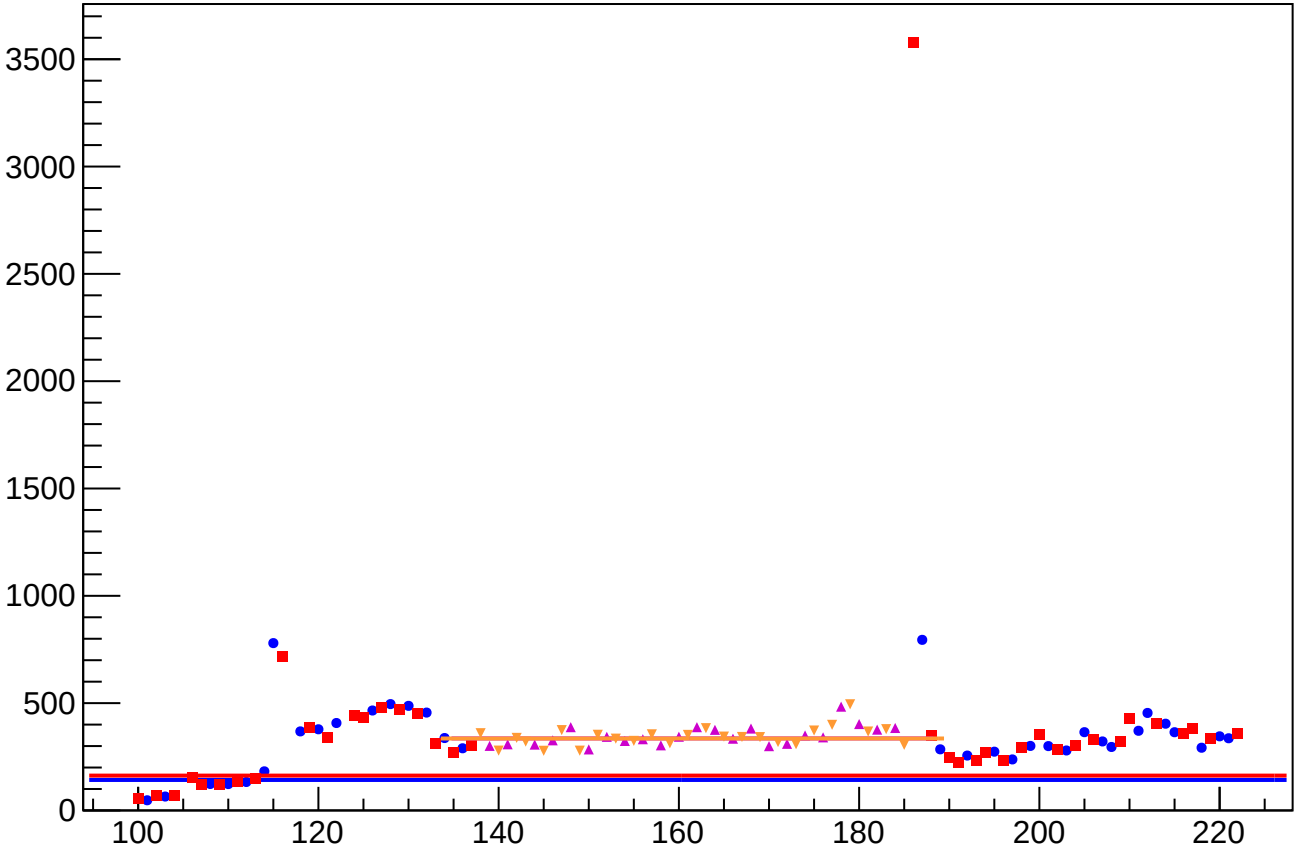
Right: 45.790+/-29.399 χ^2/NDF: 162.9/71

In: -4.568+/-36.001 χ^2/NDF:76.2/56

Out: 41.135+/-37.448 χ^2/NDF:146.2/62

All: 17.384+/-25.953 χ^2/NDF: 223.3/119

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: 162.360+/-0.030 χ^2/NDF: 15340971.5/37

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

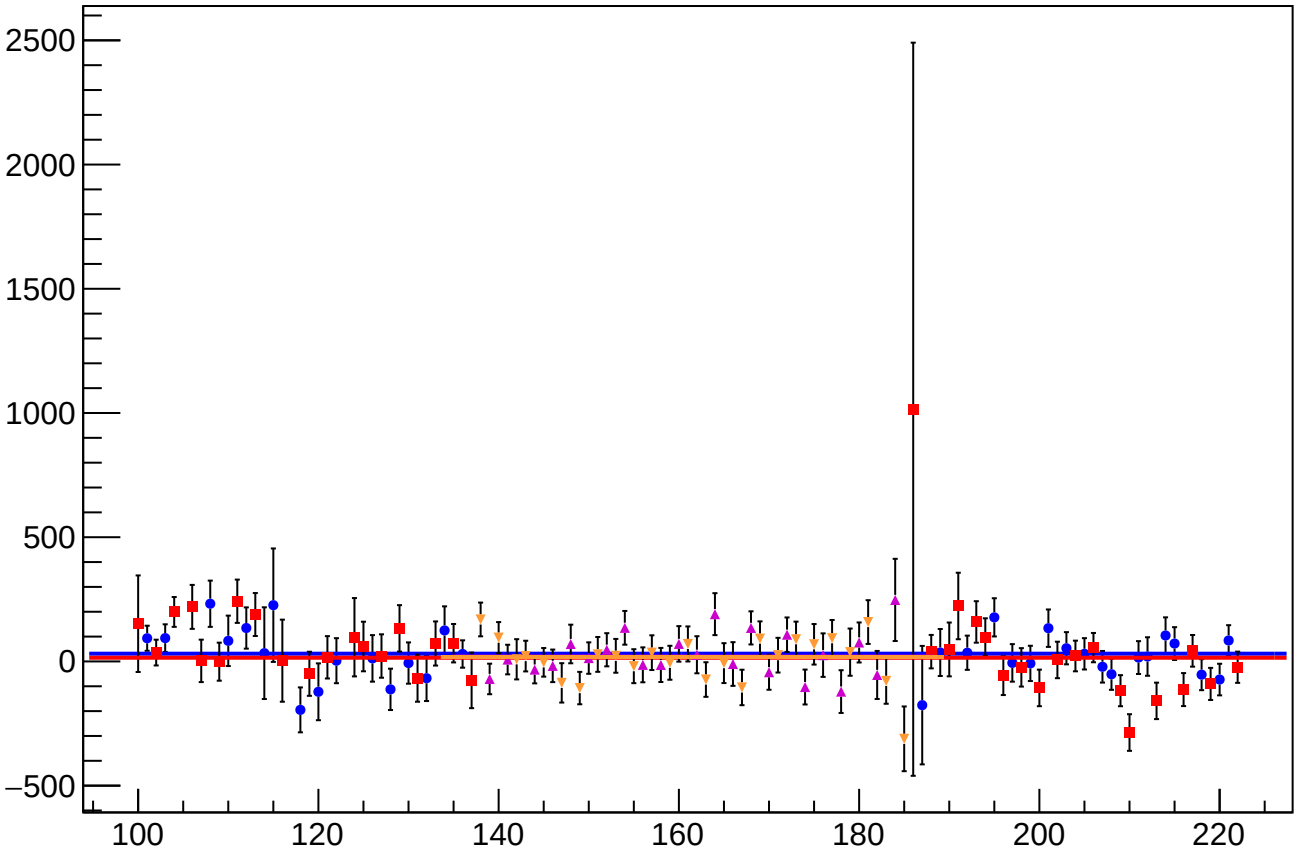
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 151.621+/-0.021 χ^2/NDF: 33909894.5/71

In: 182.028+/-0.025 χ^2/NDF:28292690.5/56

Out: 203.163+/-0.026 χ^2/NDF:23592638.8/62

All: 192.180+/-0.018 χ^2/NDF: 52216416.1/11



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: 14.832+/-12.833 χ^2/NDF: 76.7/37

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

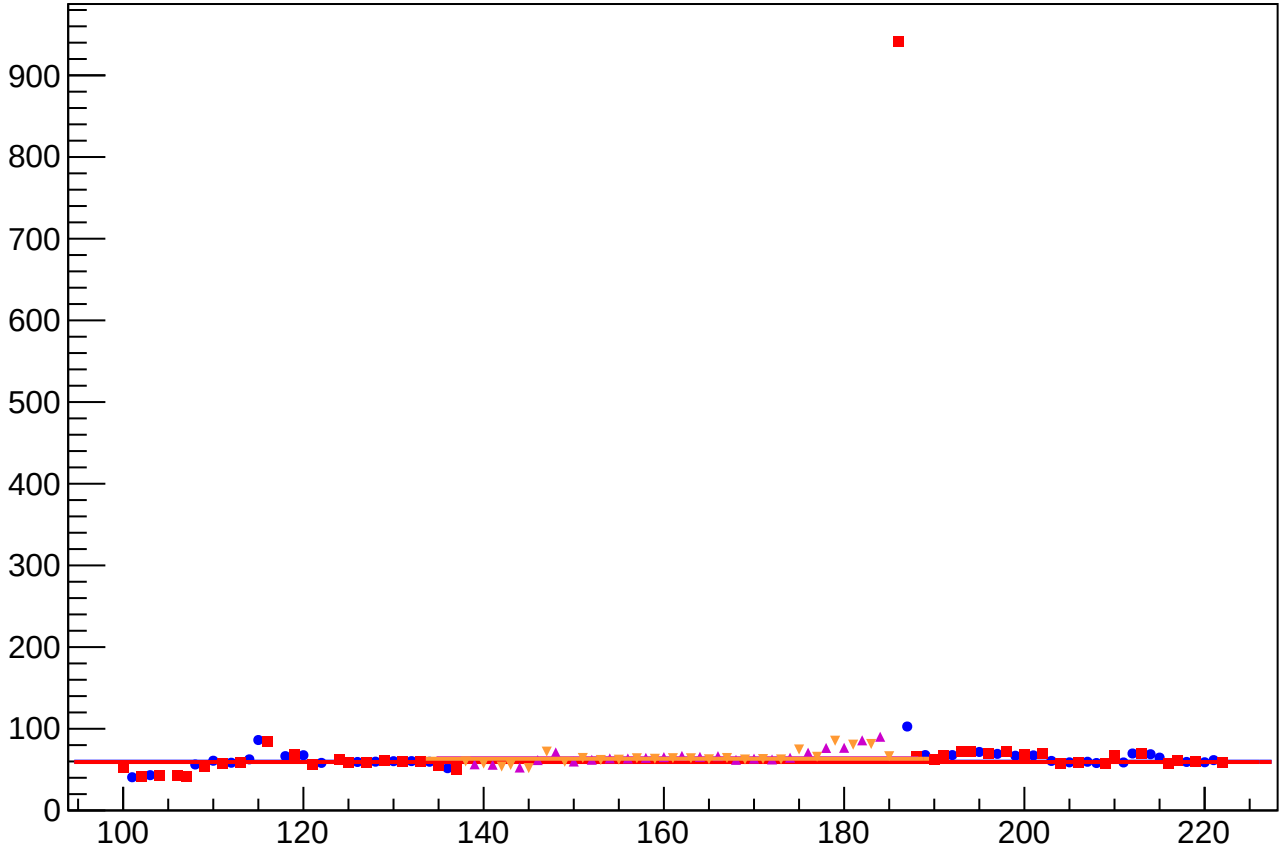
Right: 22.972+/-9.090 χ^2/NDF: 117.0/71

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 16.138+/-9.608 χ^2/NDF:108.3/62

All: 21.125+/-6.855 χ^2/NDF: 174.9/119

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: 59.287+/-0.009 χ^2/NDF: 1719930.3/37

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

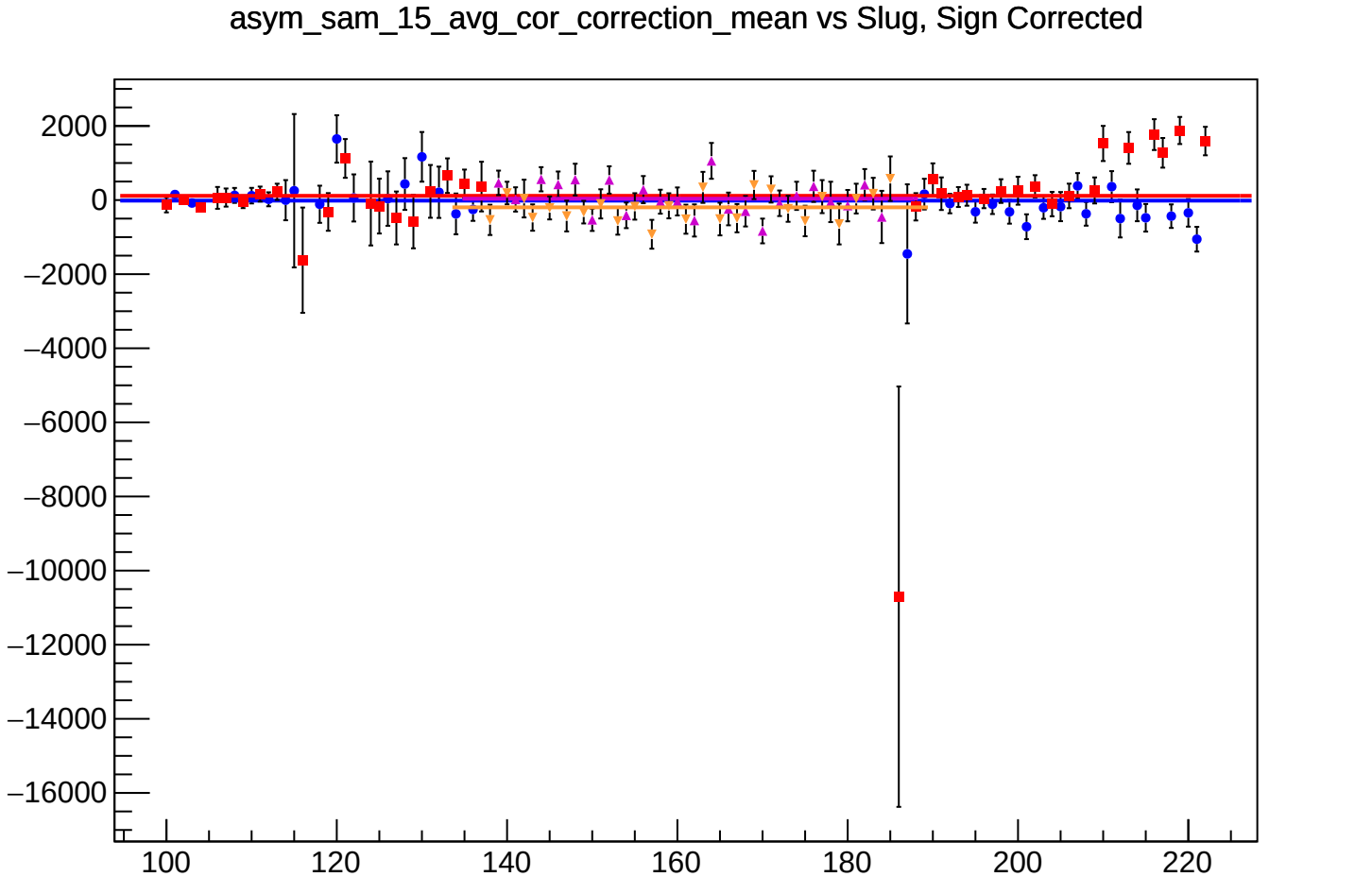
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.504+/-0.006 χ^2/NDF: 2585765.1/71

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.056+/-0.007 χ^2/NDF:2303831.2/62

All: 61.272+/-0.005 χ^2/NDF: 3705726.4/119



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: 114.507+/-42.816 χ^2/NDF: 113.2/37

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

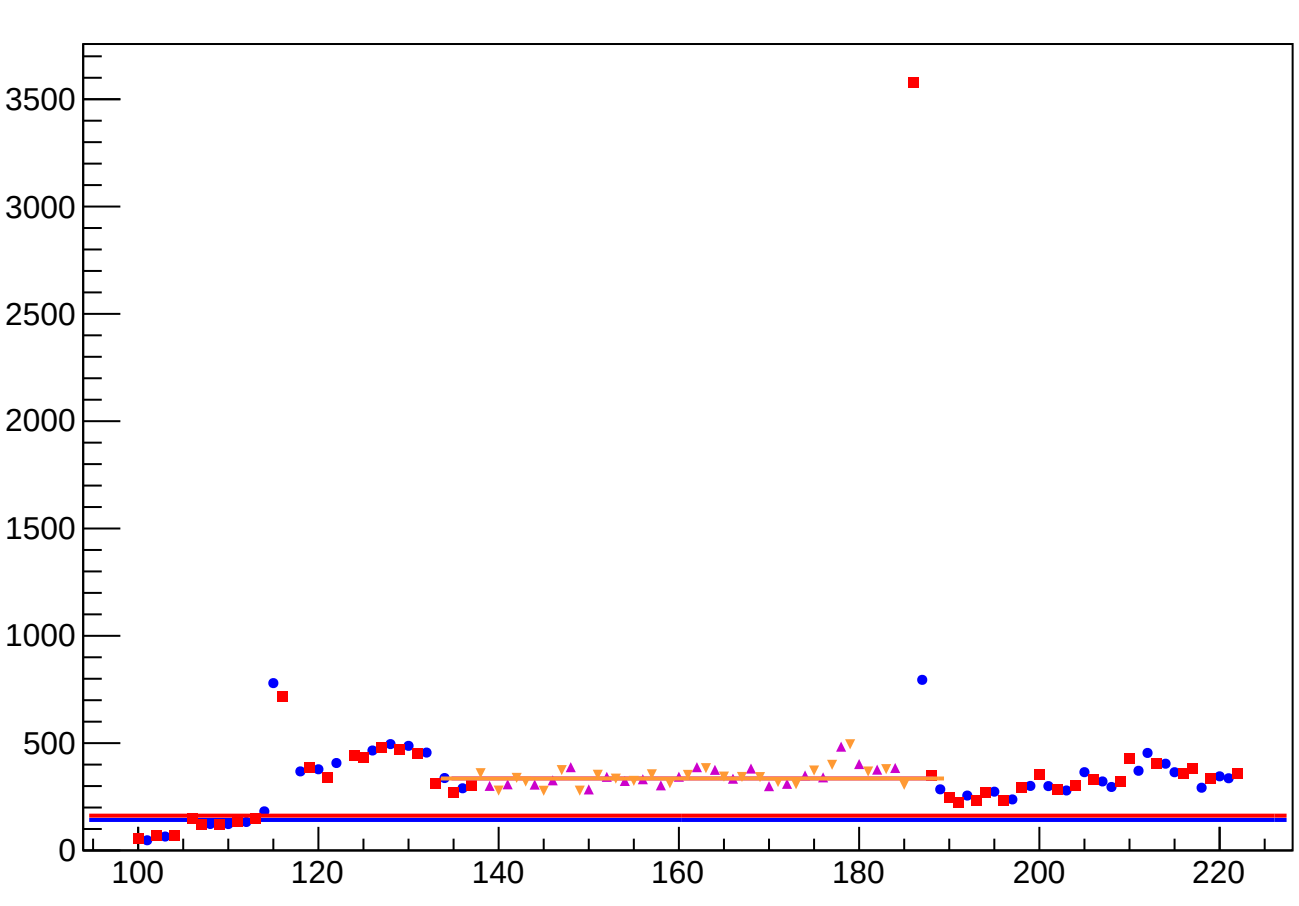
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 45.900+/-29.390 χ^2/NDF: 162.9/71

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 41.317+/-37.430 χ^2/NDF:146.2/62

All: 17.484+/-25.947 χ^2/NDF: 223.3/119



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: 162.163+/-0.030 χ^2/NDF: 15352160.2/37

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

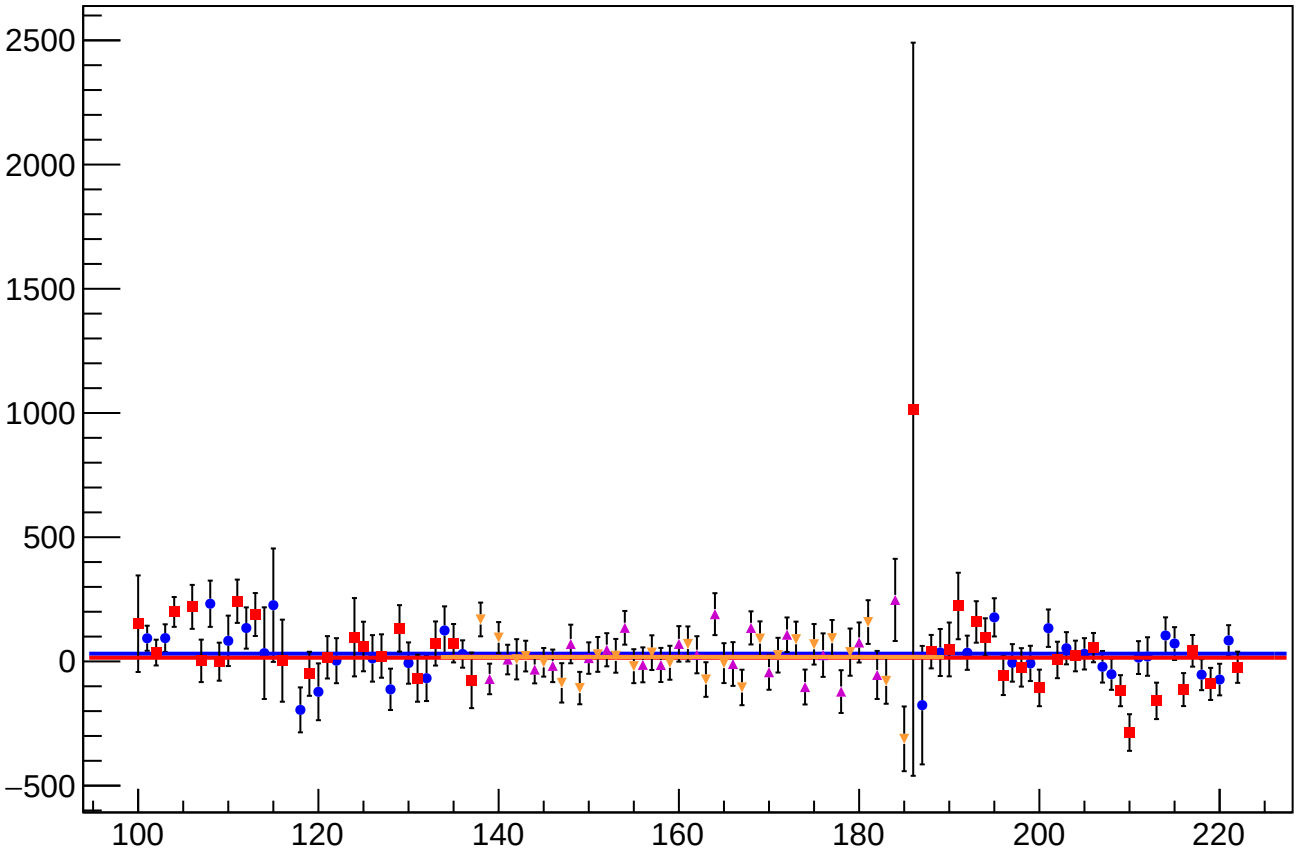
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 151.533+/-0.021 χ^2/NDF: 33917207.9/71

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 202.975+/-0.026 χ^2/NDF:23623543.1/62

All: 192.092+/-0.018 χ^2/NDF: 52242605.3/11



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: 14.832+/-12.833 χ^2/NDF: 76.7/37

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

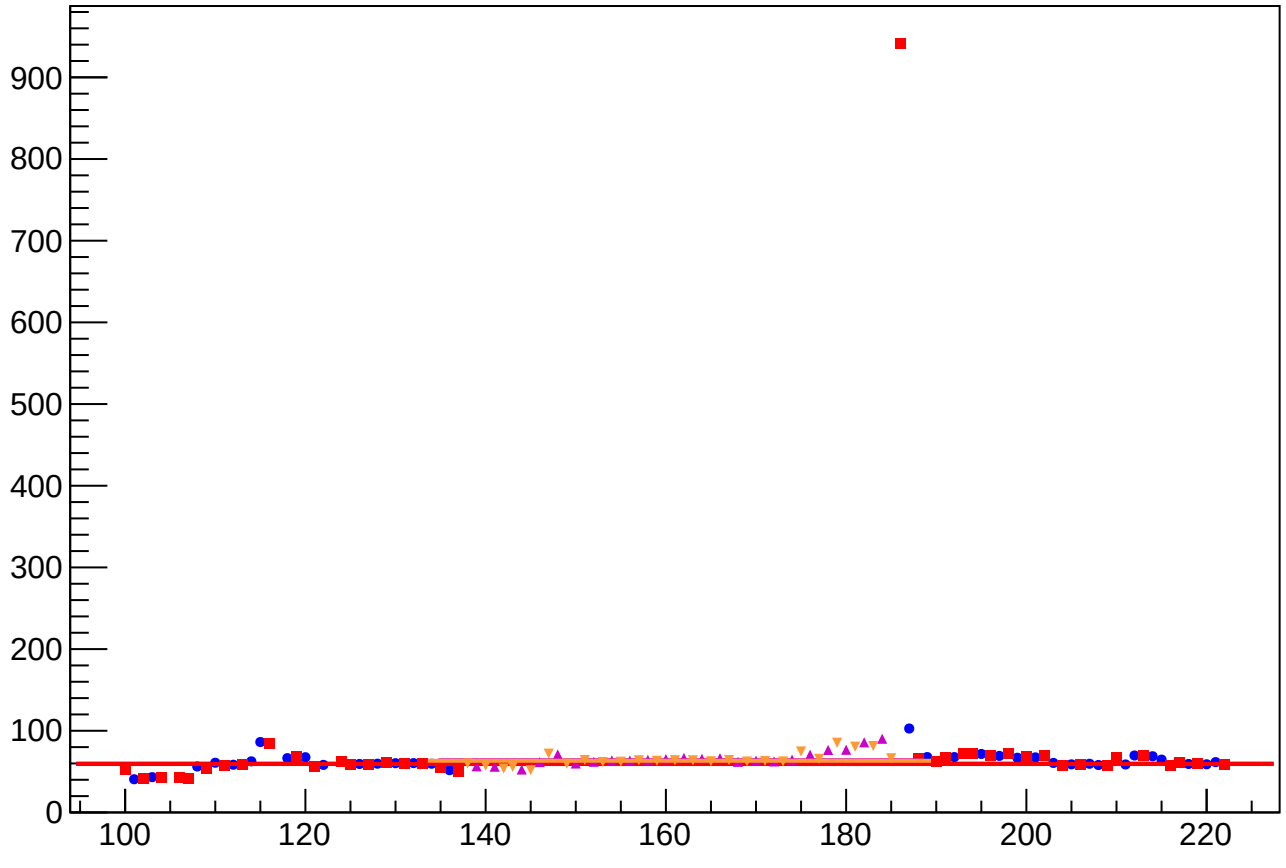
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 22.972+/-9.090 χ^2/NDF: 117.0/71

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 16.138+/-9.608 χ^2/NDF:108.3/62

All: 21.125+/-6.855 χ^2/NDF: 174.9/119



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: 59.287+/-0.009 χ^2/NDF: 1719930.3/37

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

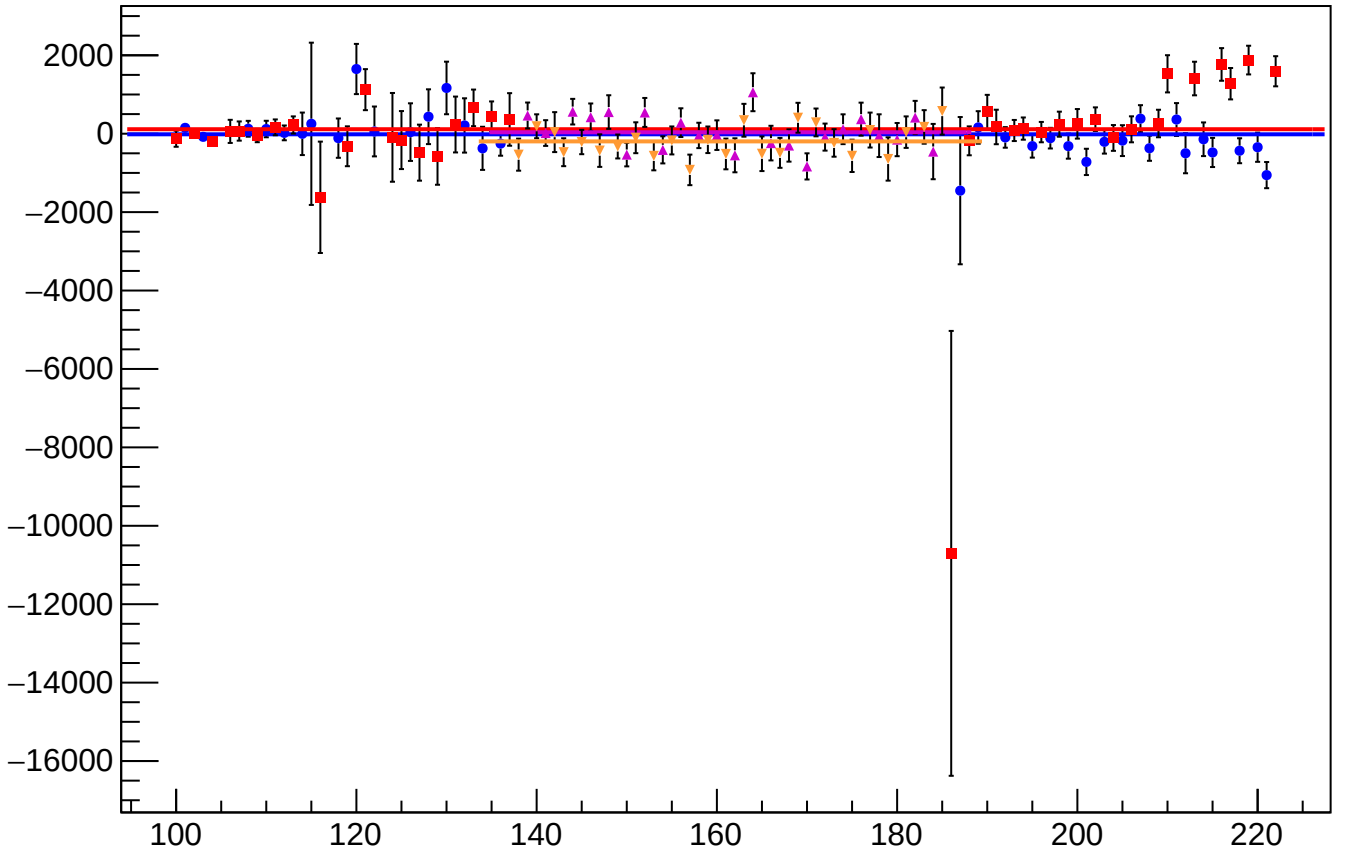
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.504+/-0.006 χ^2/NDF: 2585765.1/71

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.056+/-0.007 χ^2/NDF:2303831.2/62

All: 61.272+/-0.005 χ^2/NDF: 3705726.4/119



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: 114.507+/-42.816 χ^2/NDF: 113.2/37

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

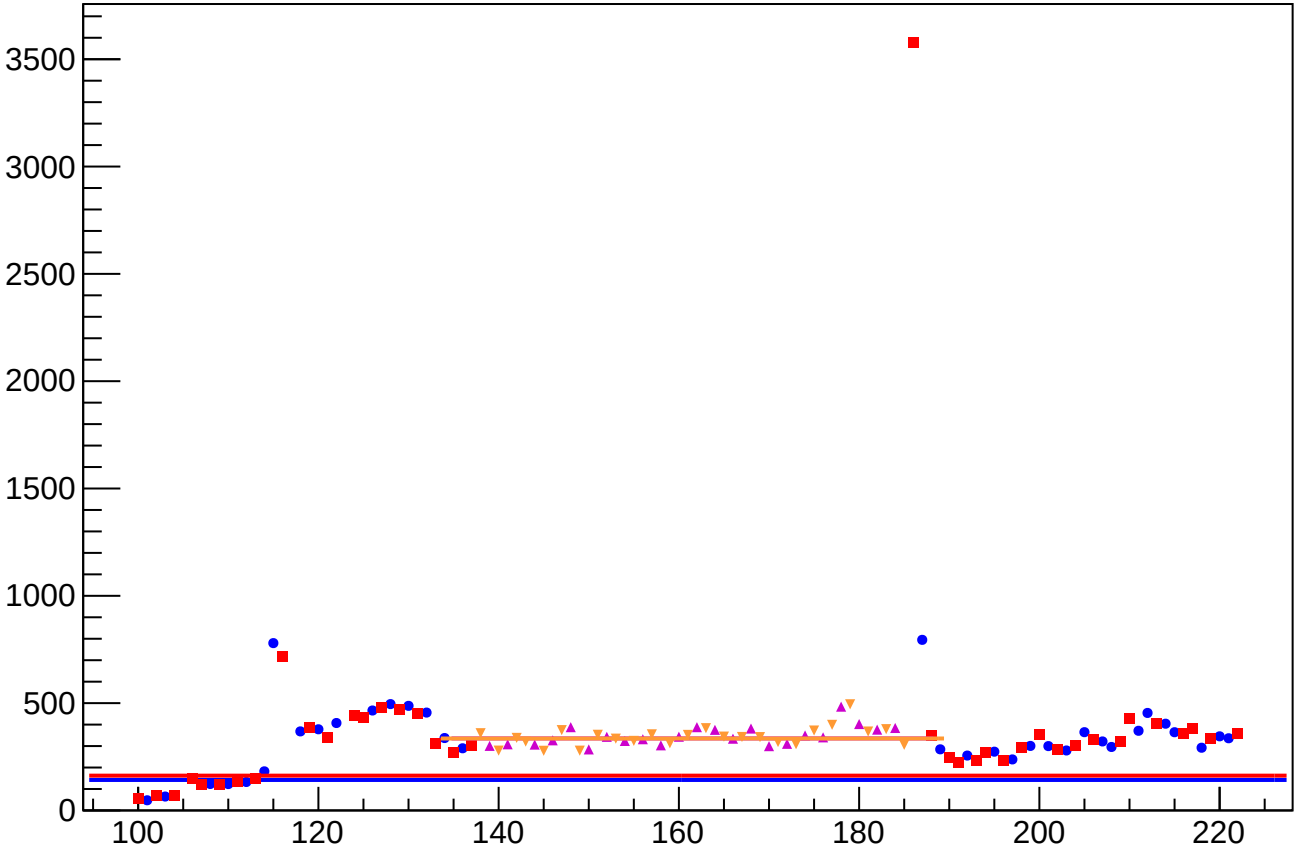
Right: 45.900+/-29.390 χ^2/NDF: 162.9/71

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 41.317+/-37.430 χ^2/NDF:146.2/62

All: 17.484+/-25.947 χ^2/NDF: 223.3/119

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: 162.163+/-0.030 χ^2/NDF: 15352160.2/37

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

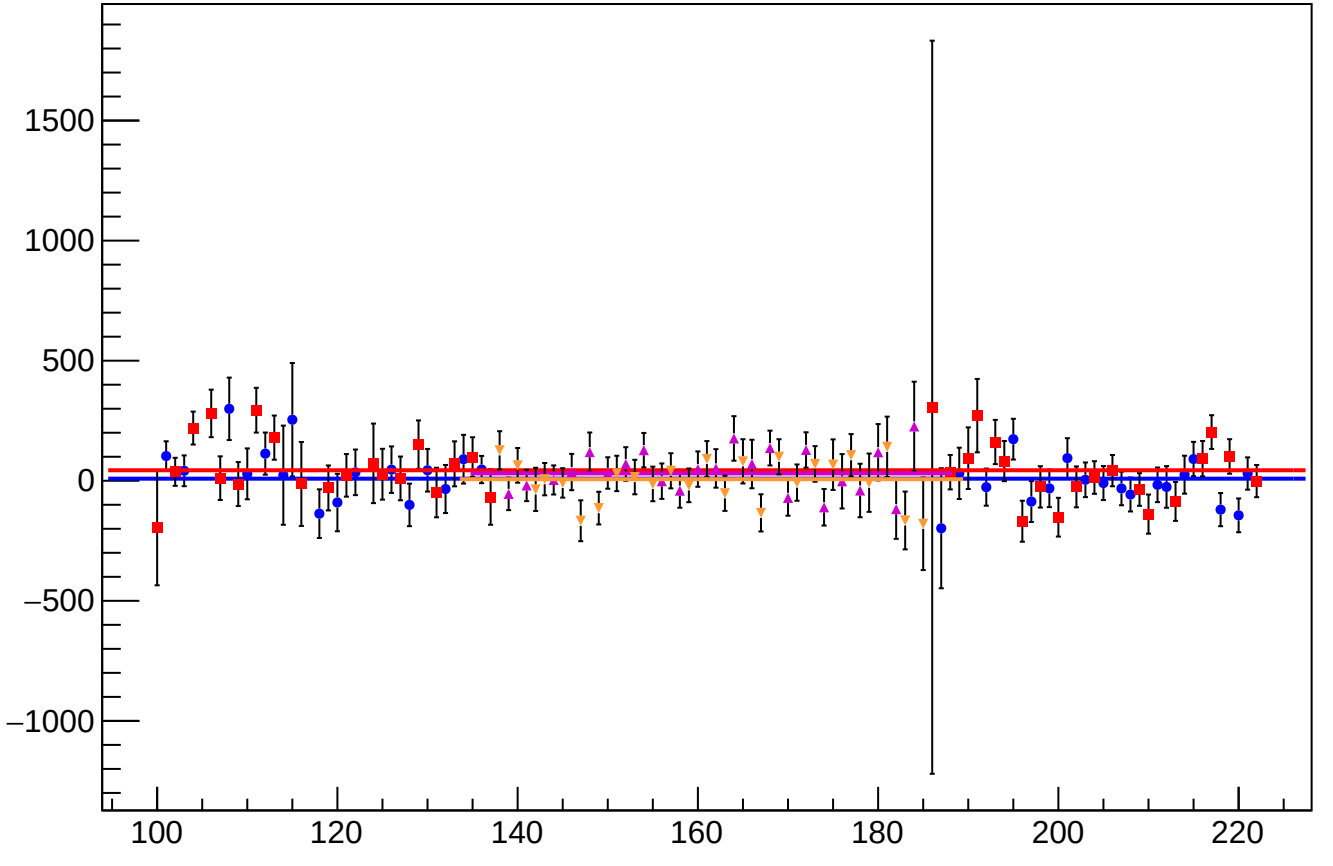
Right: 151.533+/-0.021 χ^2/NDF: 33917207.9/71

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 202.975+/-0.026 χ^2/NDF:23623543.1/62

All: 192.092+/-0.018 χ^2/NDF: 52242605.3/11

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 8.689+/-14.227 χ^2/NDF: 34.6/33

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 43.709+/-14.077 χ^2/NDF: 61.0/37

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

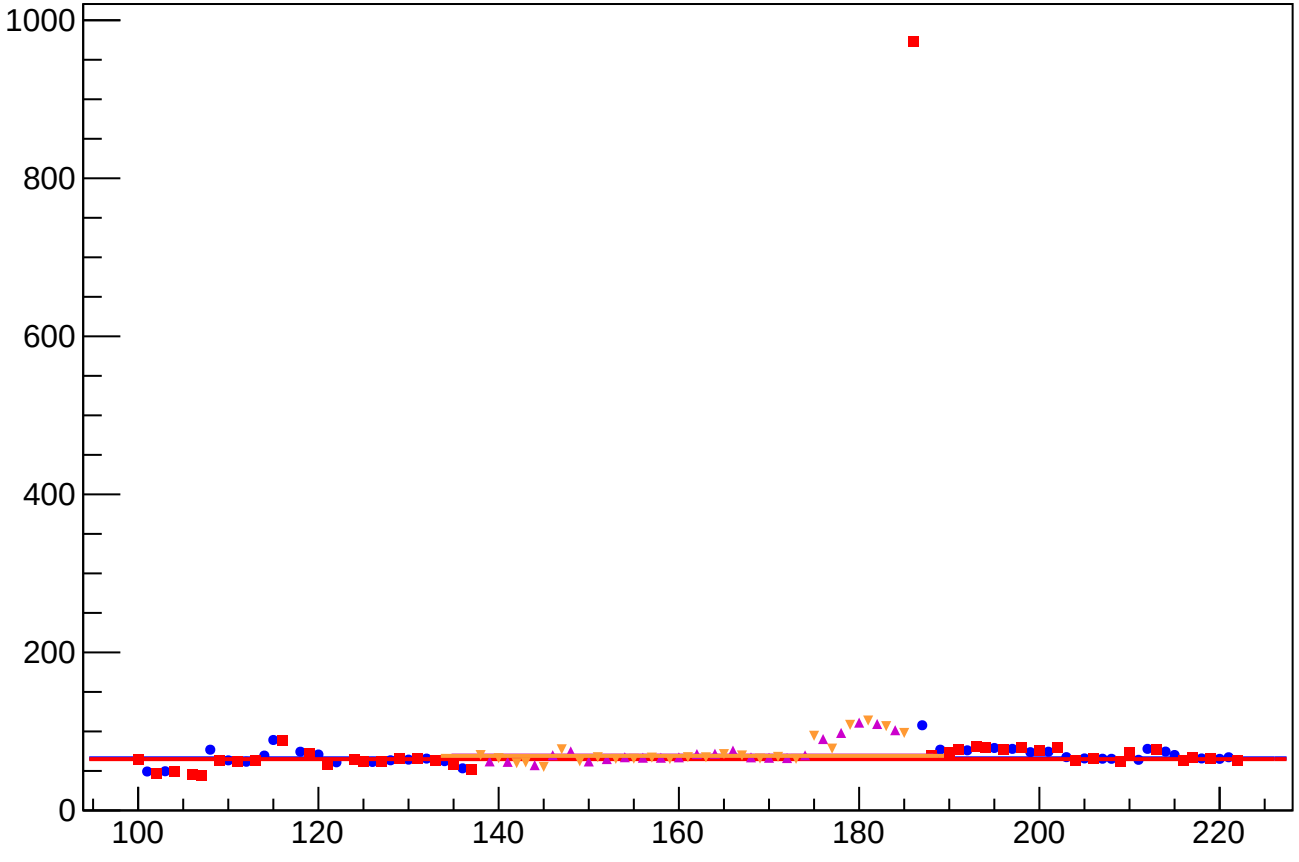
Right: 26.385+/-10.007 χ^2/NDF: 98.6/71

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 27.434+/-10.562 χ^2/NDF:89.1/62

All: 22.839+/-7.543 χ^2/NDF: 147.5/119

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: 64.941+/-0.010 χ^2/NDF: 1714943.2/37

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

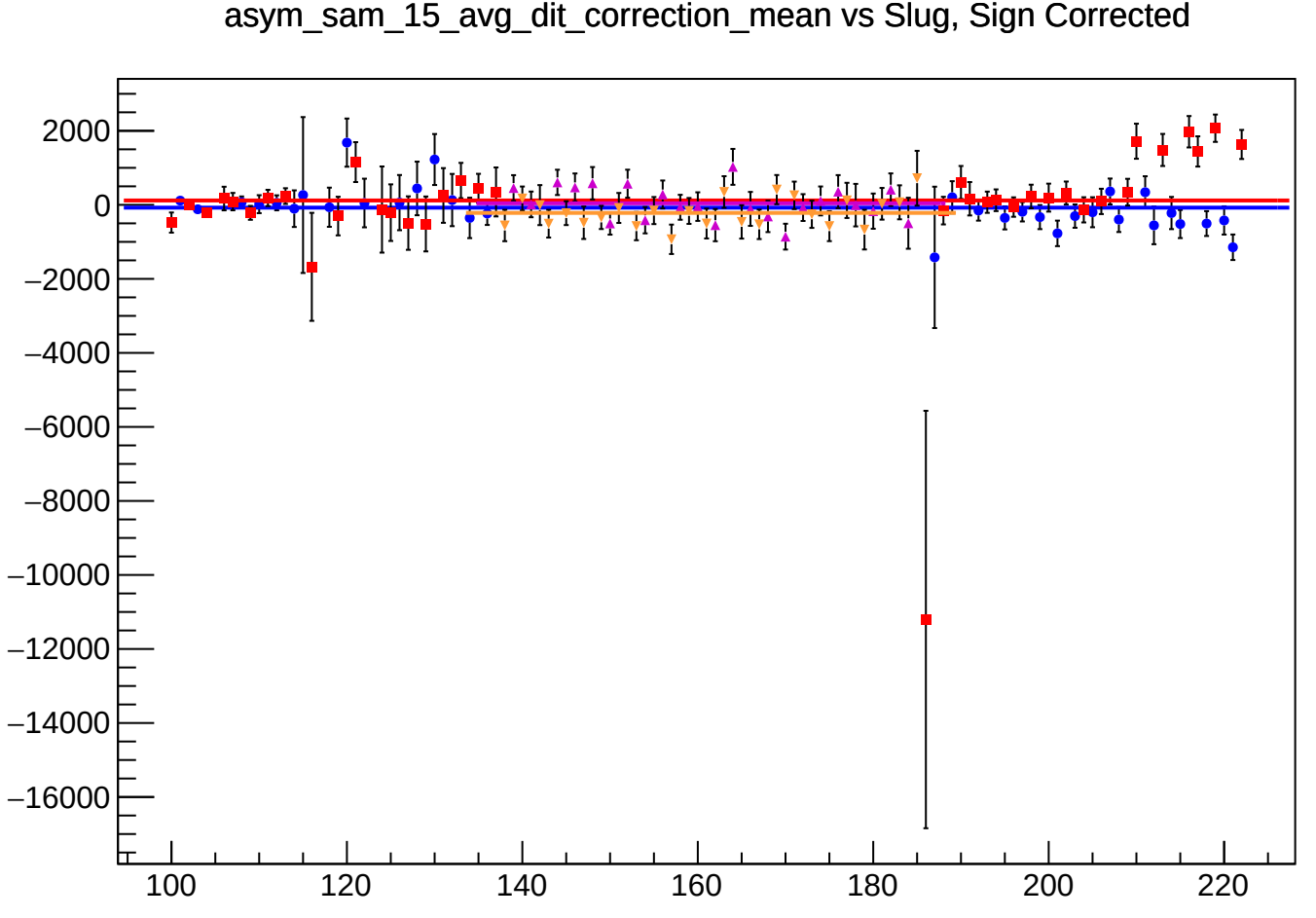
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 65.463+/-0.007 χ^2/NDF: 2479133.4/71

In: 67.462+/-0.008 χ^2/NDF:1733128.5/56

Out: 66.749+/-0.007 χ^2/NDF:2864447.0/62

All: 67.099+/-0.005 χ^2/NDF: 4602042.0/119



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: 118.271+/-44.906 χ^2/NDF: 132.3/37

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

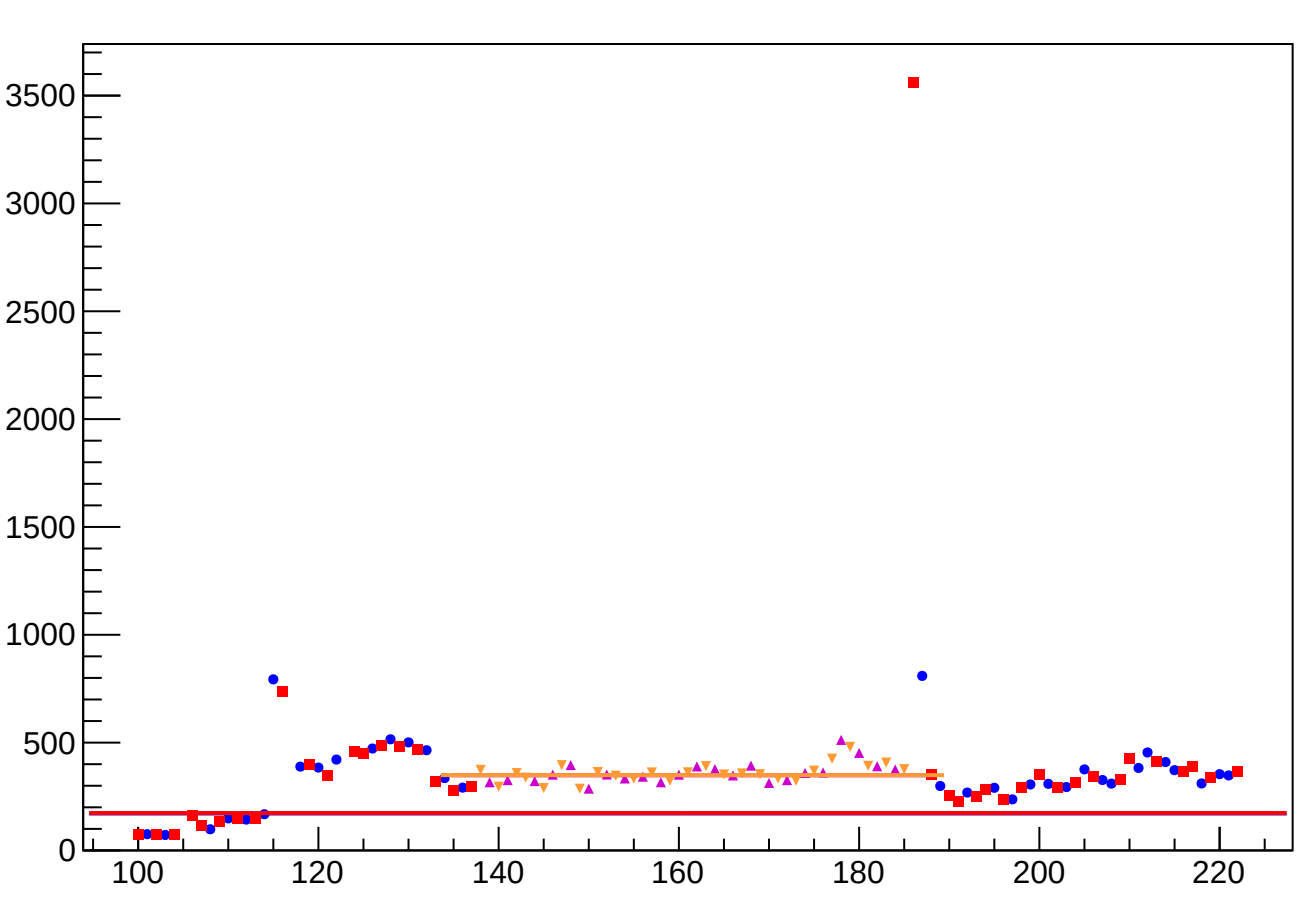
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: 21.979+/-31.870 χ^2/NDF: 184.6/71

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 38.061+/-39.174 χ^2/NDF:165.0/62

All: -4.716+/-27.863 χ^2/NDF: 241.9/119



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: 173.202+/-0.032 χ^2/NDF: 14479843.5/37

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

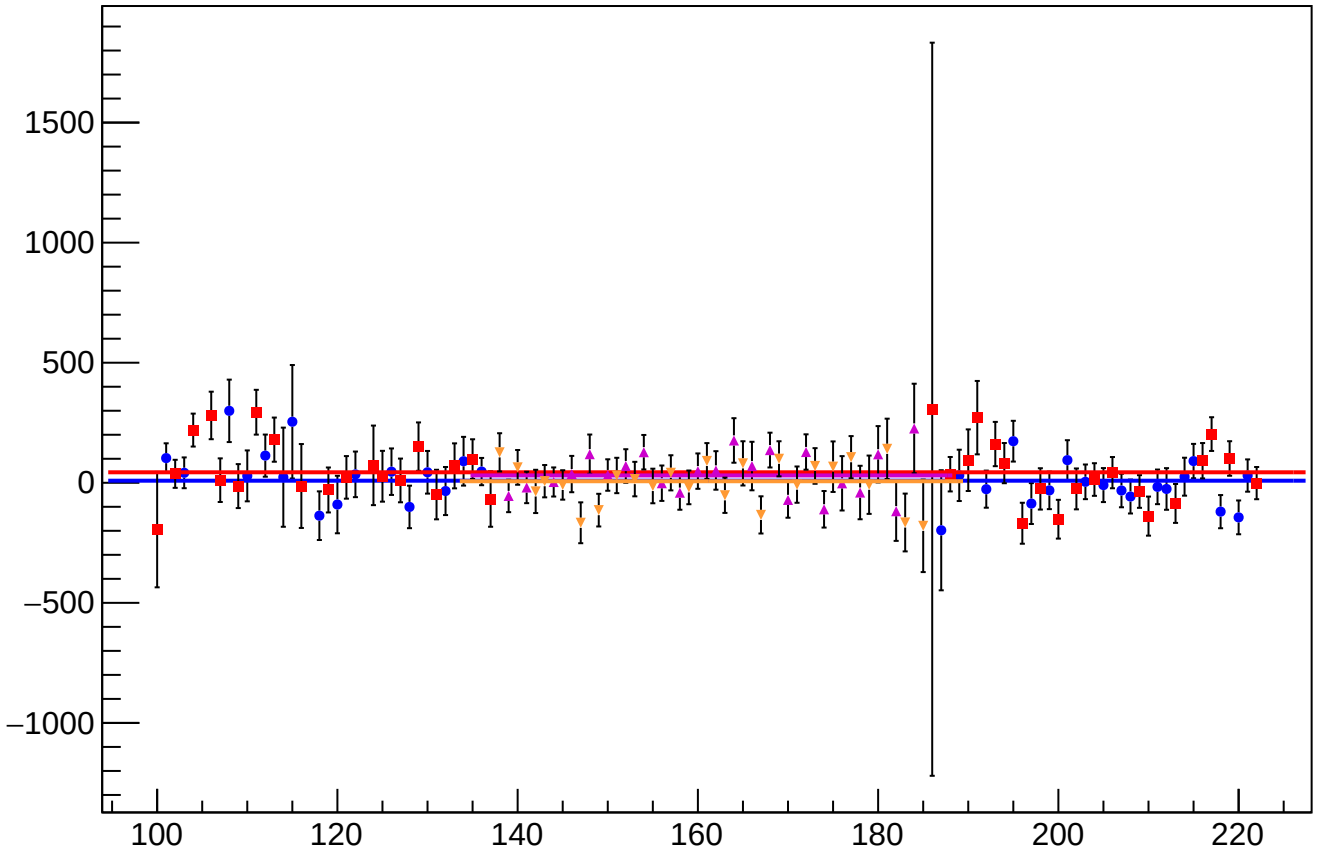
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 172.427+/-0.023 χ^2/NDF: 29333515.8/71

In: 212.726+/-0.028 χ^2/NDF:22481789.7/56

Out: 215.258+/-0.028 χ^2/NDF:22343899.4/62

All: 214.007+/-0.020 χ^2/NDF: 44829819.0/11



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: 43.708+/-14.077 χ^2/NDF: 61.0/37

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

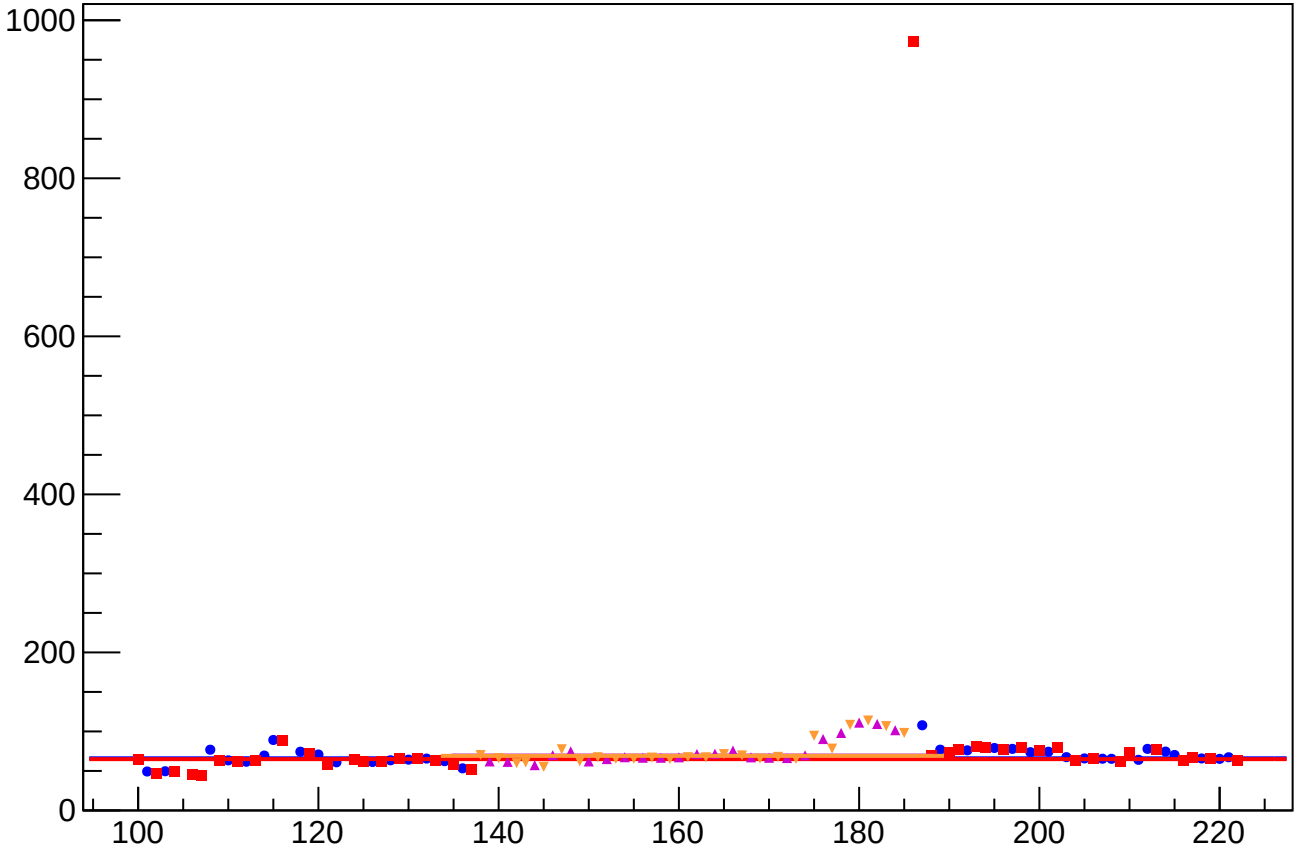
Right: 26.384+/-10.007 χ^2/NDF: 98.6/71

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 27.433+/-10.562 χ^2/NDF:89.1/62

All: 22.839+/-7.543 χ^2/NDF: 147.5/119

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: 64.941+/-0.010 χ^2/NDF: 1714941.8/37

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

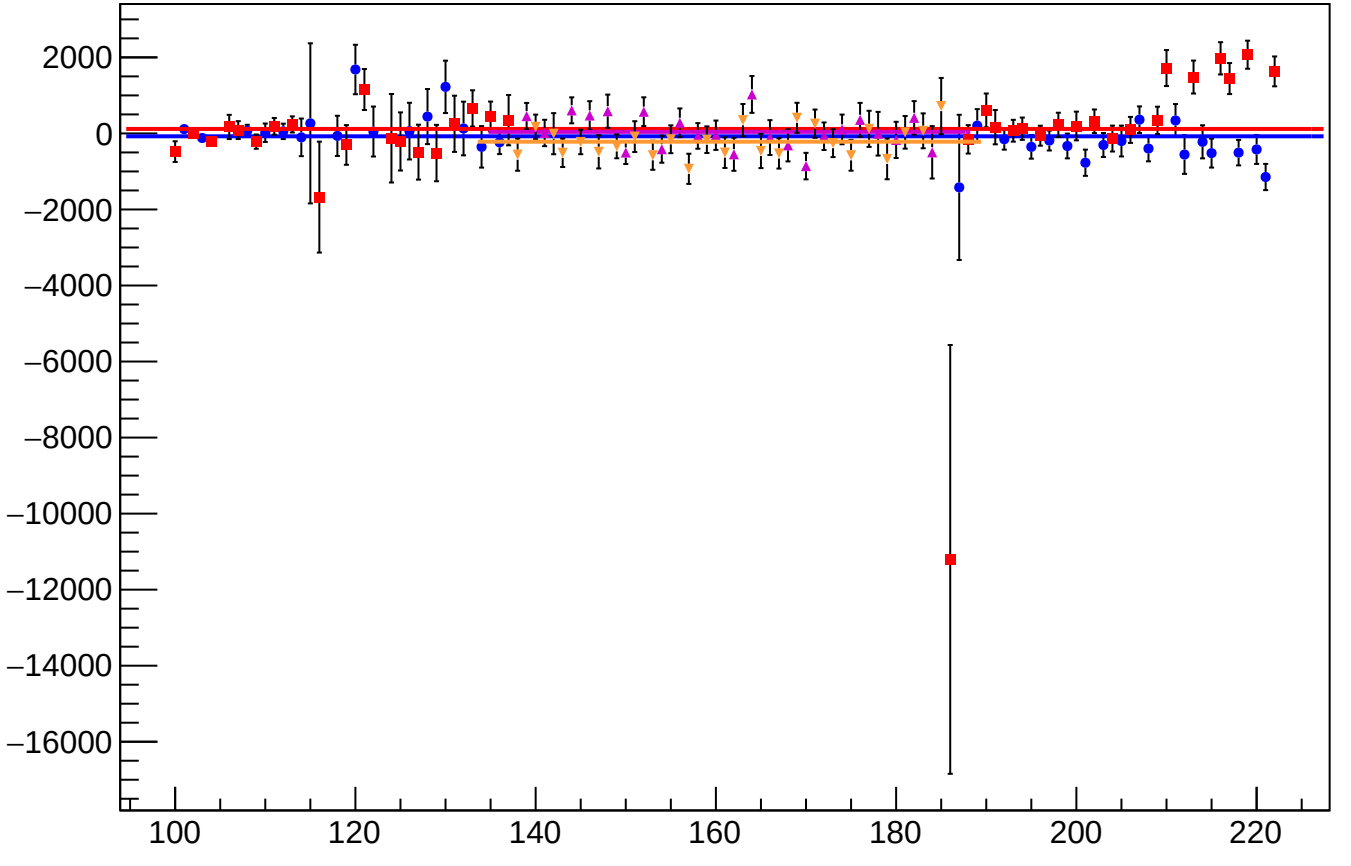
Right: 65.462+/-0.007 χ^2/NDF: 2479130.1/71

In: 67.462+/-0.008 χ^2/NDF:1733117.7/56

Out: 66.749+/-0.007 χ^2/NDF:2864434.4/62

All: 67.099+/-0.005 χ^2/NDF: 4602019.0/119

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: 118.271+/-44.906 χ^2/NDF: 132.3/37

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

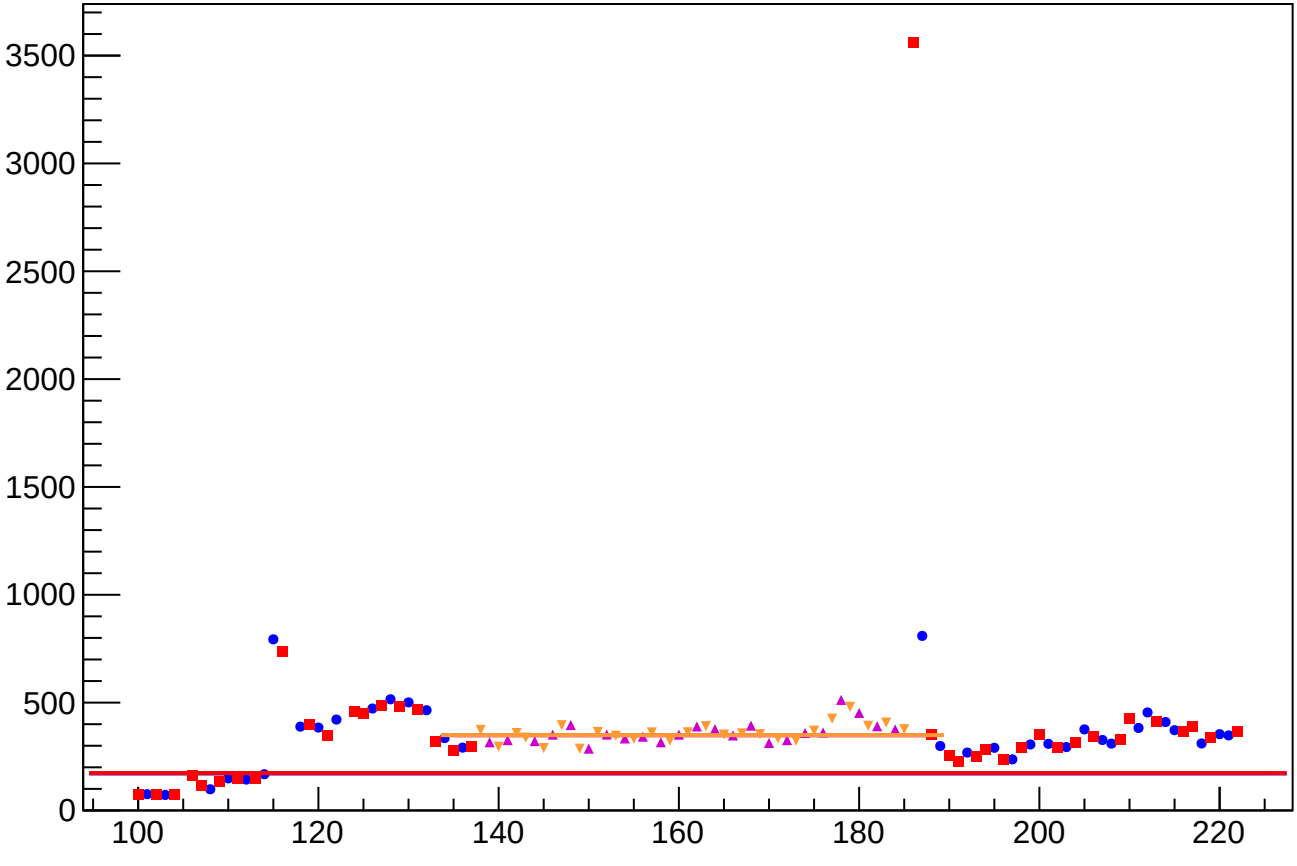
Right: 21.979+/-31.870 χ^2/NDF: 184.6/71

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 38.062+/-39.174 χ^2/NDF:165.0/62

All: -4.716+/-27.863 χ^2/NDF: 241.9/119

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: 173.202+/-0.032 χ^2/NDF: 14479884.7/37

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

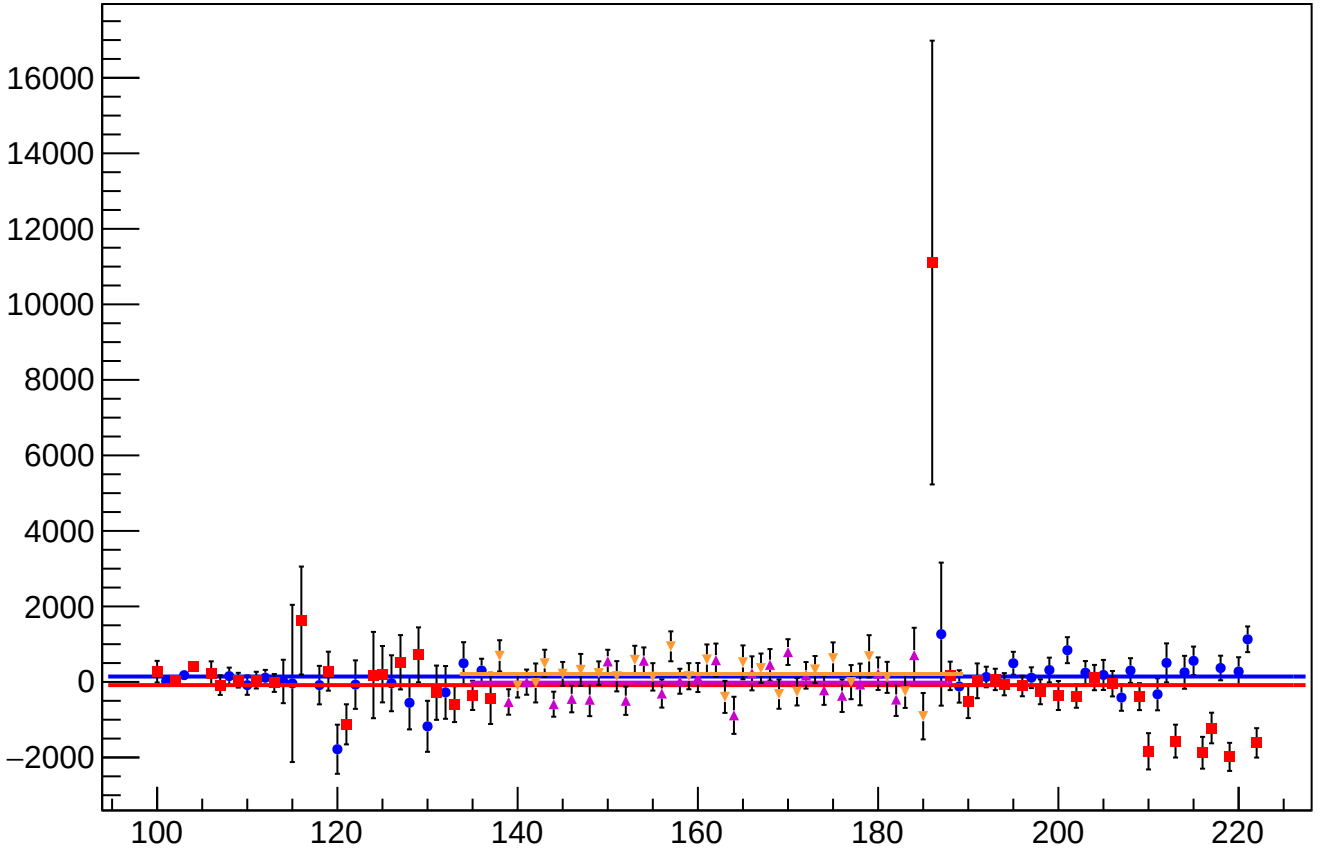
Right: 172.427+/-0.023 χ^2/NDF: 29333571.0/71

In: 212.726+/-0.028 χ^2/NDF:22481859.4/56

Out: 215.258+/-0.028 χ^2/NDF:22344004.9/62

All: 214.007+/-0.020 χ^2/NDF: 44829993.8/11

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: -84.230+/-47.706 χ^2/NDF: 134.0/37

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

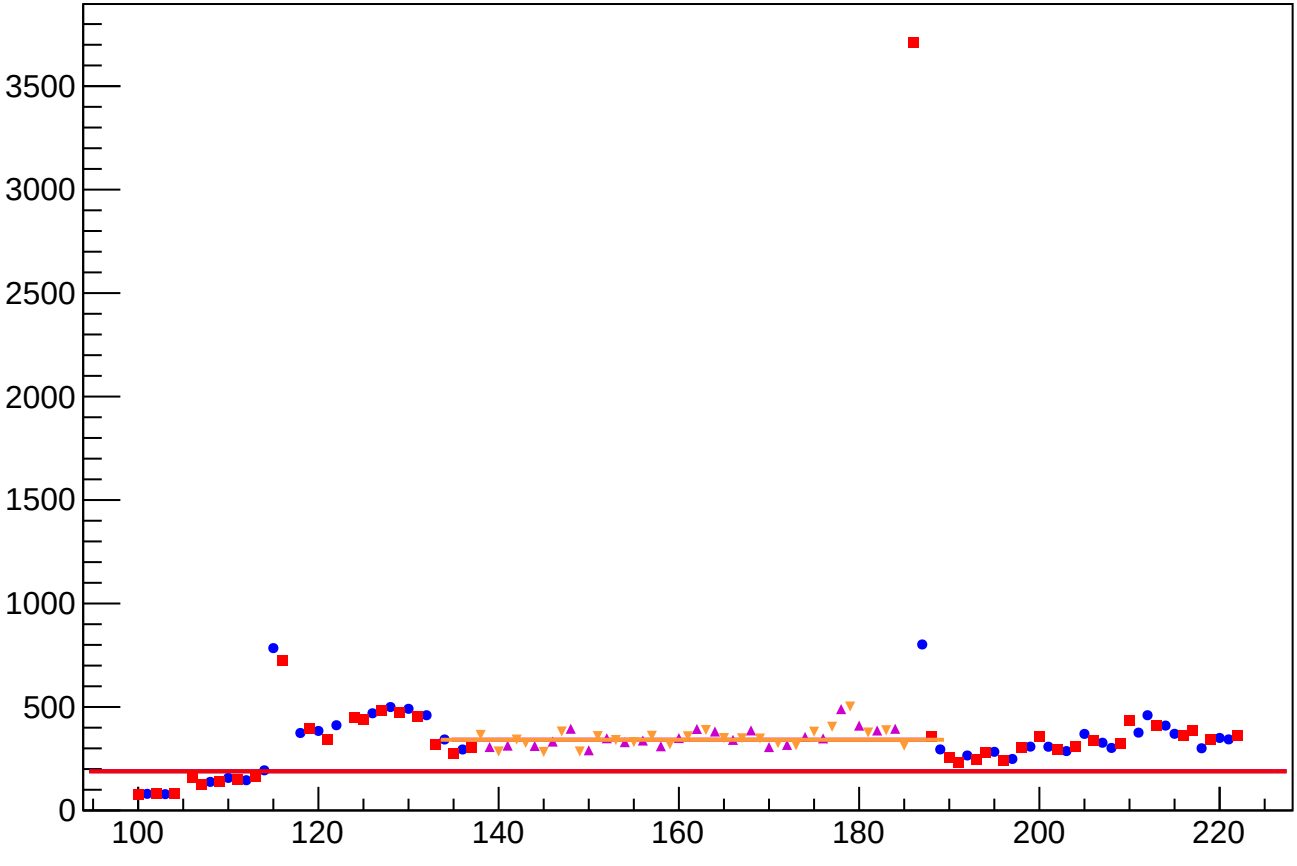
Right: 28.063+/-33.963 χ^2/NDF: 184.0/71

In: 100.603+/-41.483 χ^2/NDF:73.7/56

Out: -4.937+/-40.770 χ^2/NDF:165.6/62

All: 46.918+/-29.078 χ^2/NDF: 242.7/119

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: 189.327+/-0.034 χ^2/NDF: 12644798.8/37

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

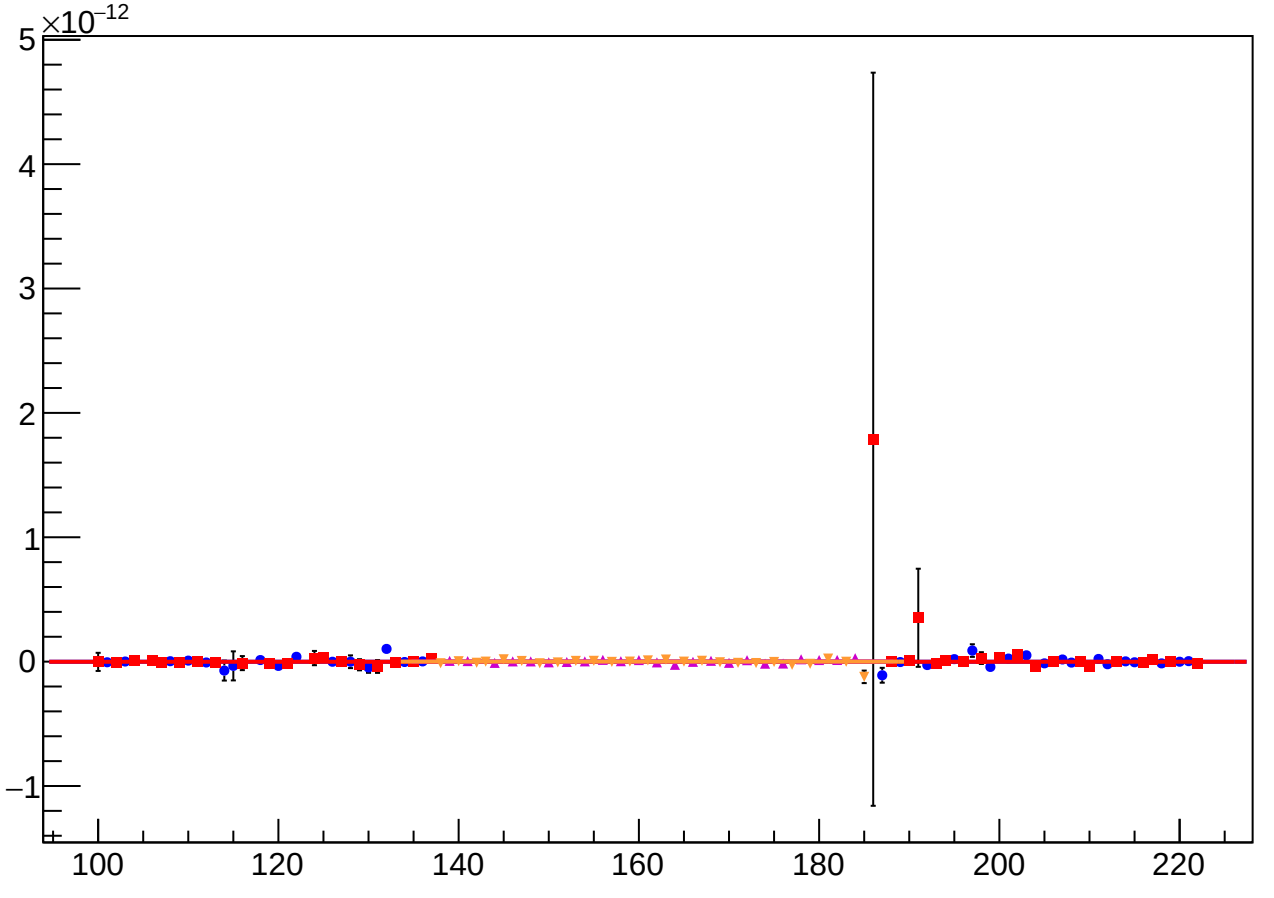
Right: 189.288+/-0.024 χ^2/NDF: 25490719.2/71

In: 229.598+/-0.029 χ^2/NDF:18599677.6/56

Out: 230.384+/-0.029 χ^2/NDF:18692626.3/62

All: 229.998+/-0.021 χ^2/NDF: 37292669.4/11

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/37

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

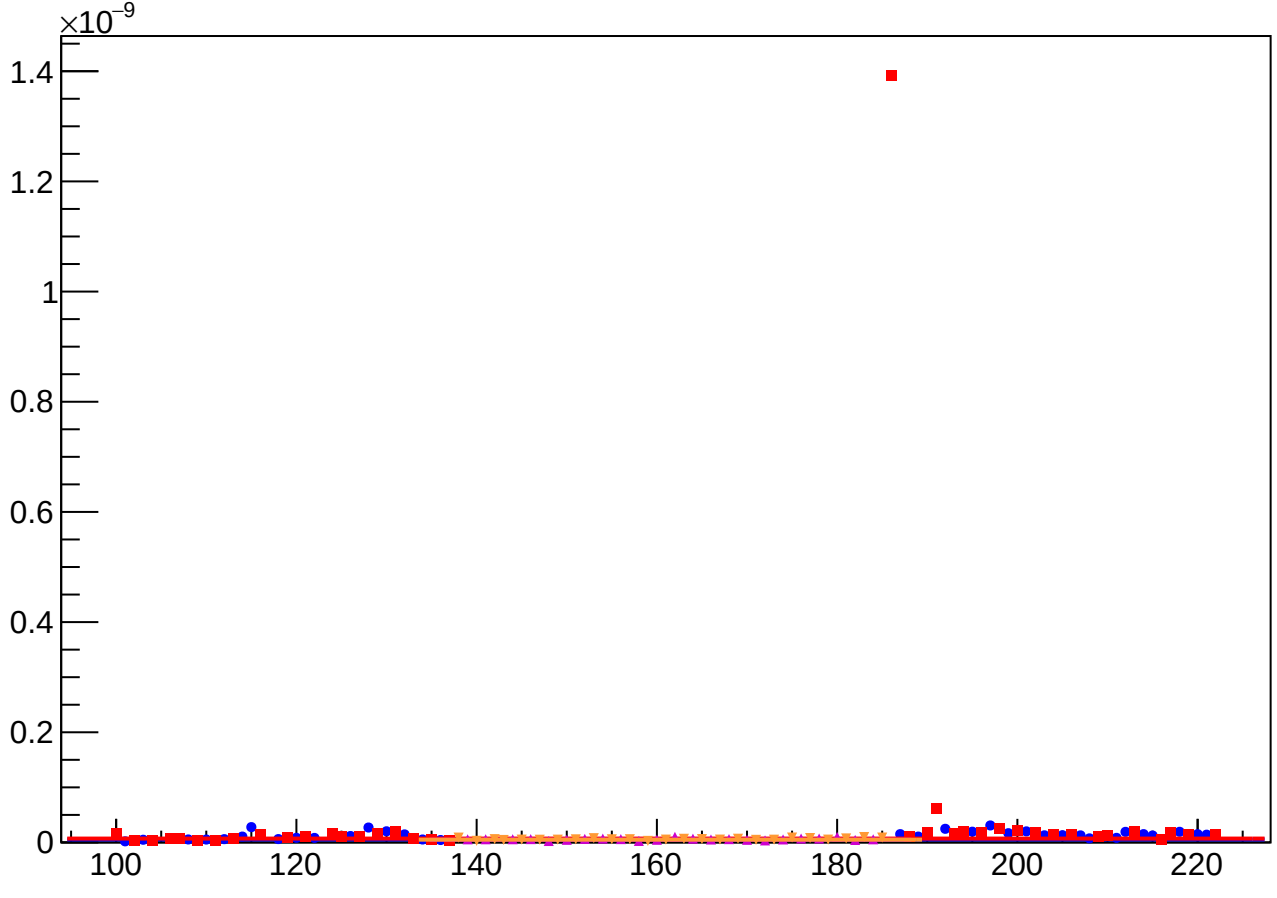
Right: -0.000+/-0.000 χ^2/NDF: 63.9/71

In: 0.000+/-0.000 χ^2/NDF:59.2/56

Out: -0.000+/-0.000 χ^2/NDF:54.3/62

All: -0.000+/-0.000 χ^2/NDF: 113.6/119

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: 6428251.6/37

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

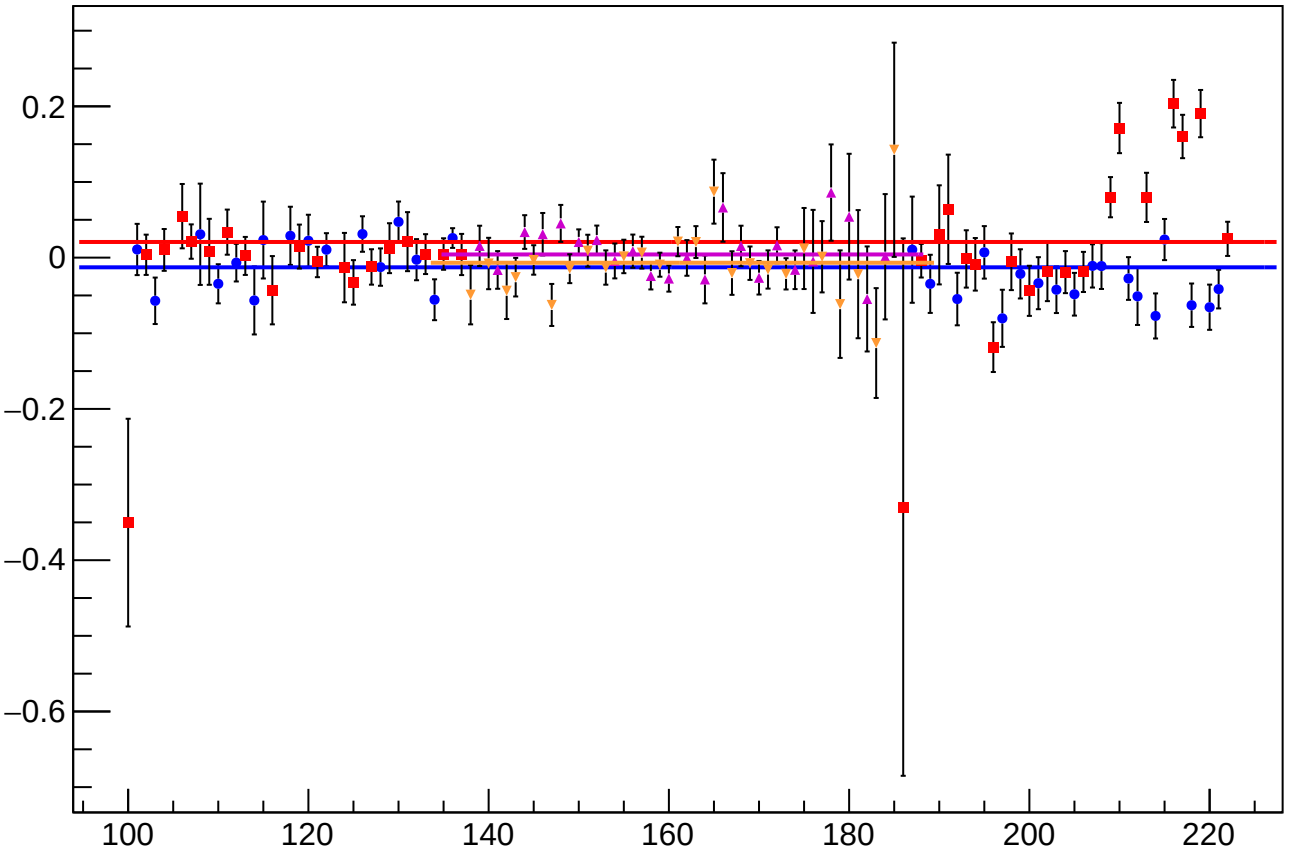
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15402556.7/71

In: 0.000+/-0.000 χ^2/NDF:9818164.3/56

Out: 0.000+/-0.000 χ^2/NDF:8404669.4/62

All: 0.000+/-0.000 χ^2/NDF: 18344459.1/119



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: 0.021+/-0.005 χ^2/NDF: 167.2/37

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

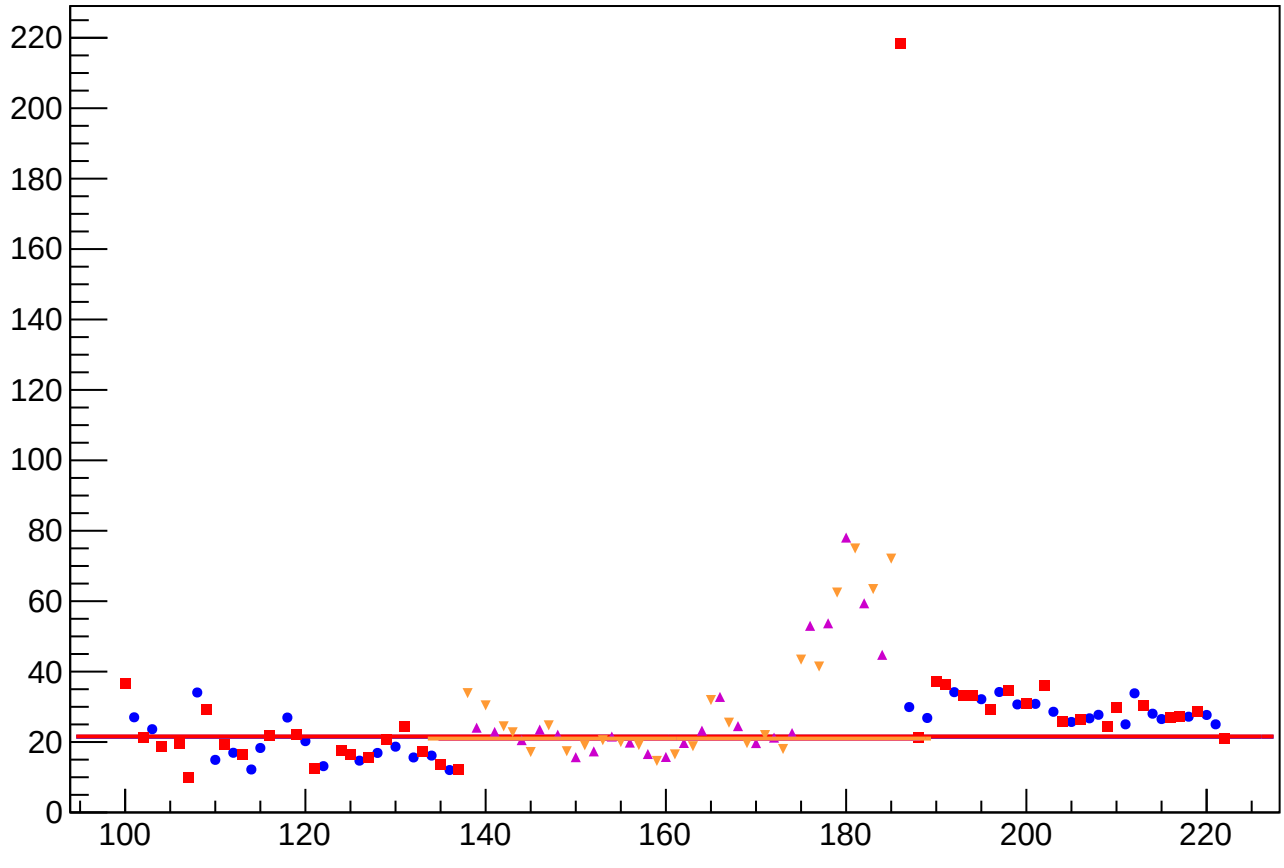
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.004+/-0.003 χ^2/NDF: 242.4/71

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.008+/-0.004 χ^2/NDF:203.6/62

All: 0.001+/-0.003 χ^2/NDF: 290.6/119



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: 21.582+/-0.003 χ^2/NDF: 4576101.3/37

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

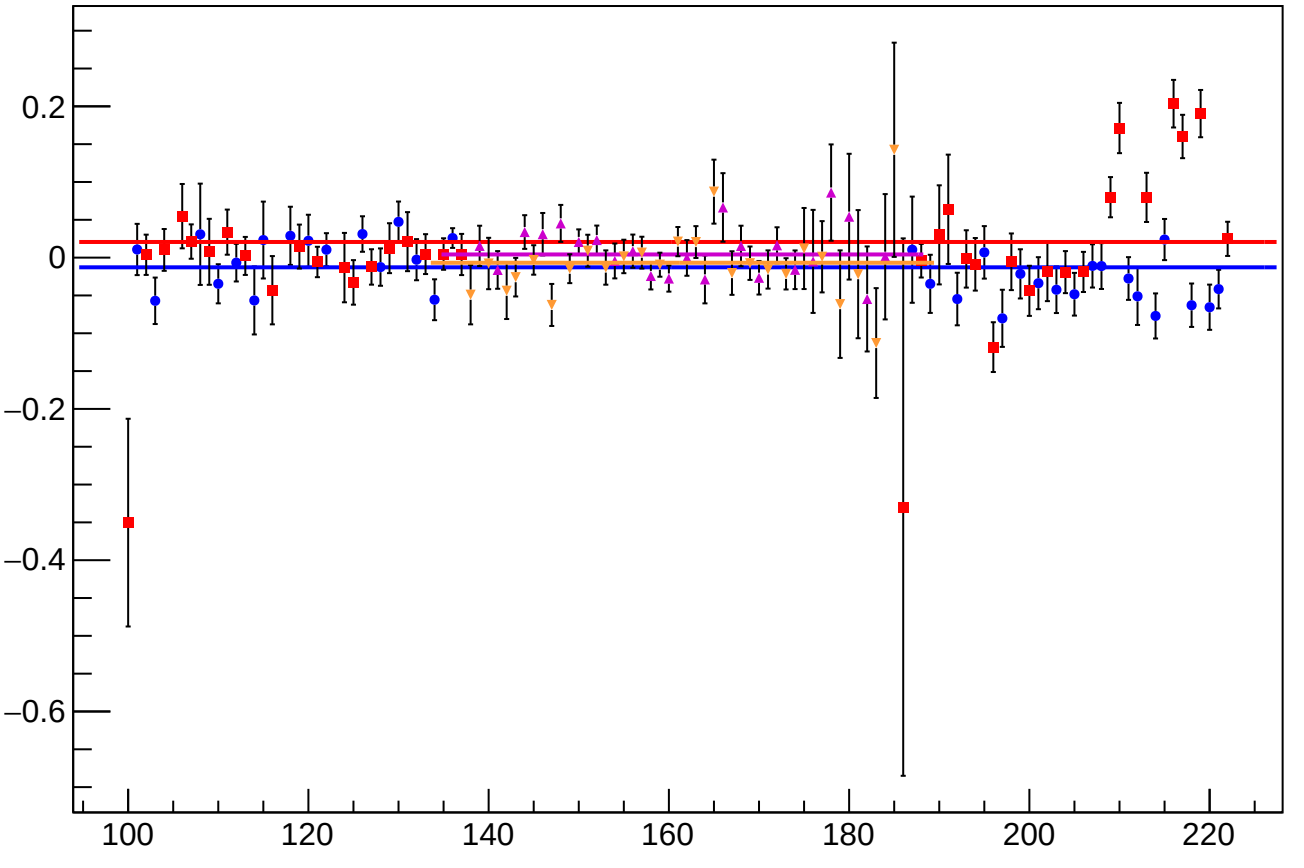
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.540+/-0.002 χ^2/NDF: 8783238.4/71

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.298+/-0.003 χ^2/NDF:9057180.1/62

All: 21.252+/-0.002 χ^2/NDF: 16814789.6/119



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: 0.021+/-0.005 χ^2/NDF: 167.2/37

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

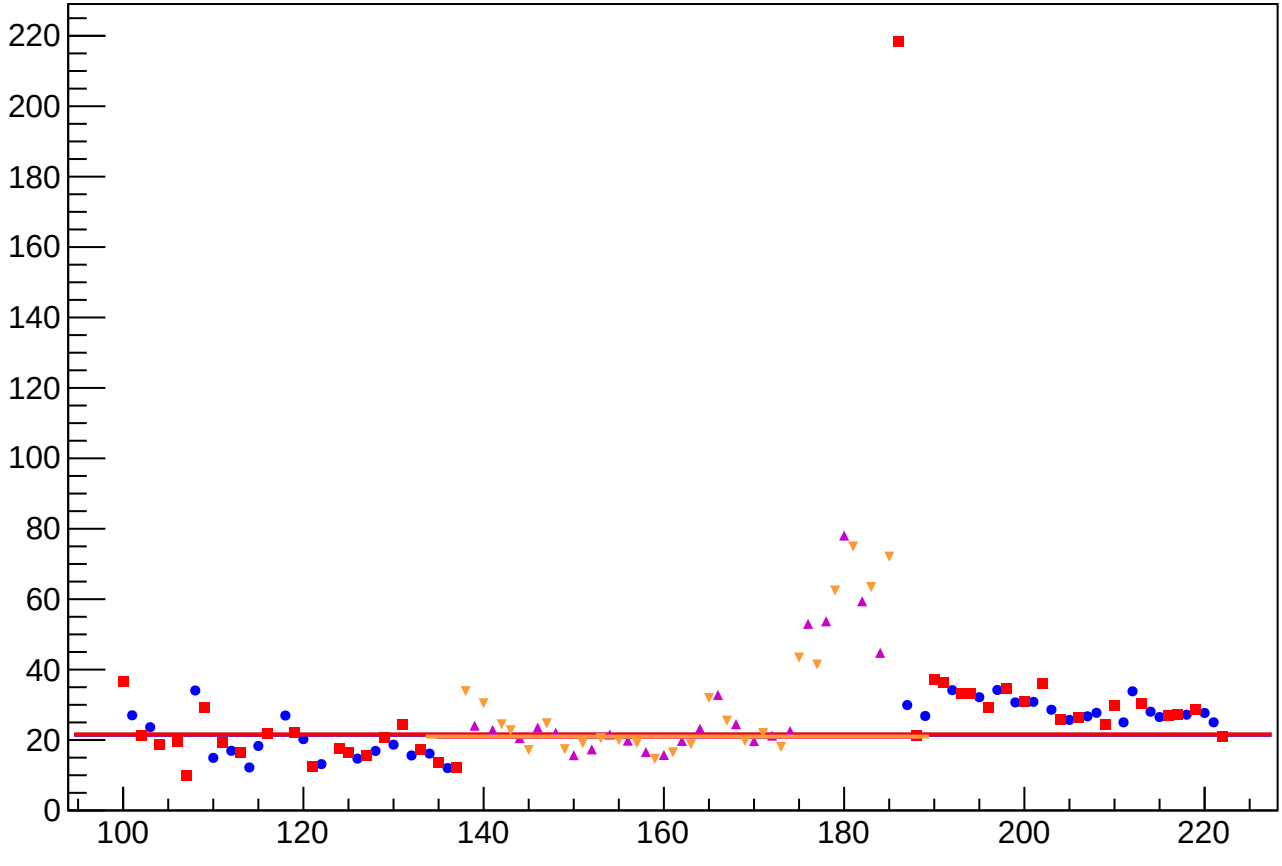
Right: 0.004+/-0.003 χ^2/NDF: 242.4/71

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.008+/-0.004 χ^2/NDF:203.6/62

All: 0.001+/-0.003 χ^2/NDF: 290.6/119

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: 21.582+/-0.003 χ^2/NDF: 4576101.3/37

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

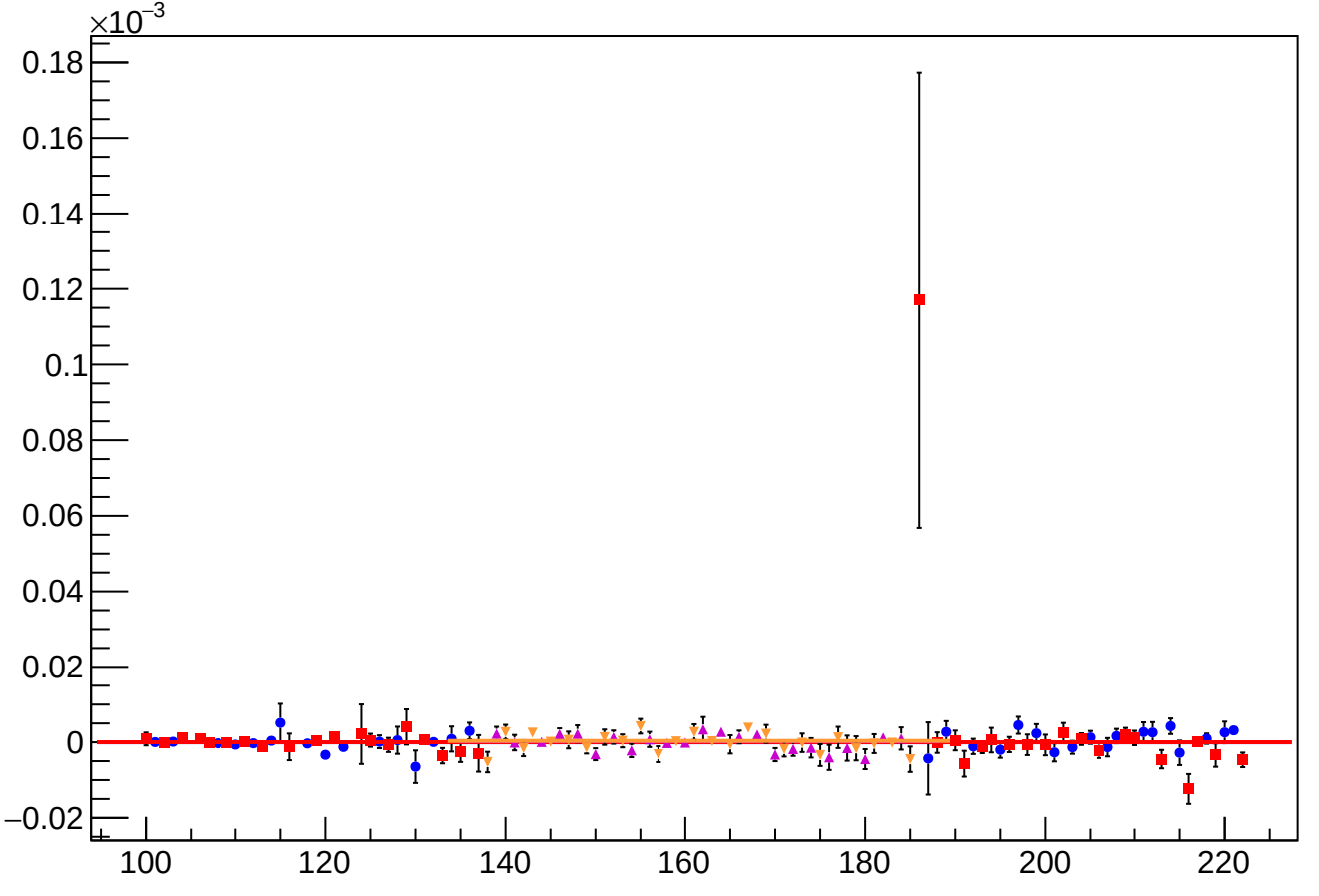
Right: 21.540+/-0.002 χ^2/NDF: 8783238.4/71

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.298+/-0.003 χ^2/NDF:9057180.1/62

All: 21.252+/-0.002 χ^2/NDF: 16814789.6/119

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: 52.1/37

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

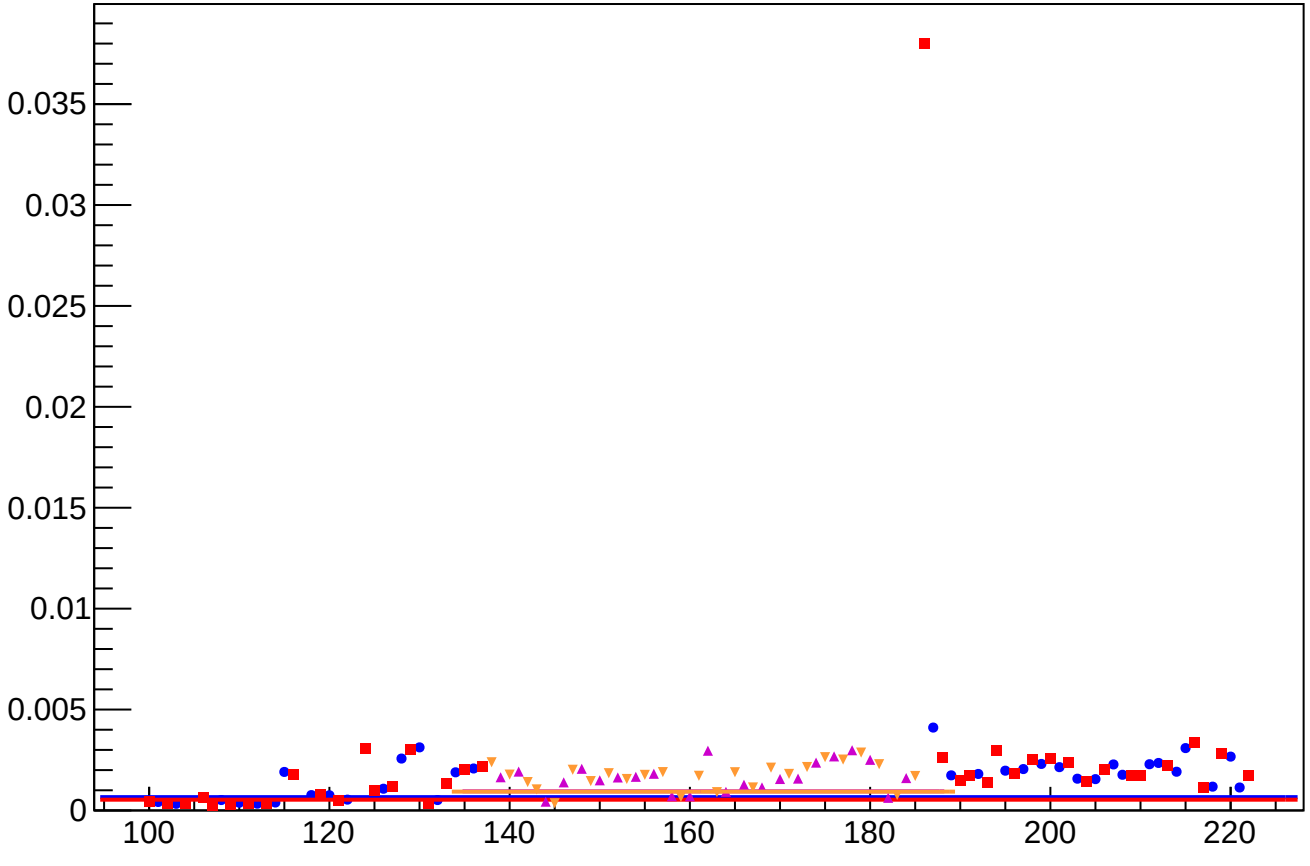
Right: 0.000+/-0.000 χ^2/NDF: 93.5/71

In: 0.000+/-0.000 χ^2/NDF:73.7/56

Out: 0.000+/-0.000 χ^2/NDF:87.6/62

All: 0.000+/-0.000 χ^2/NDF: 161.2/119

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 17874476.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 21363940.1/37

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

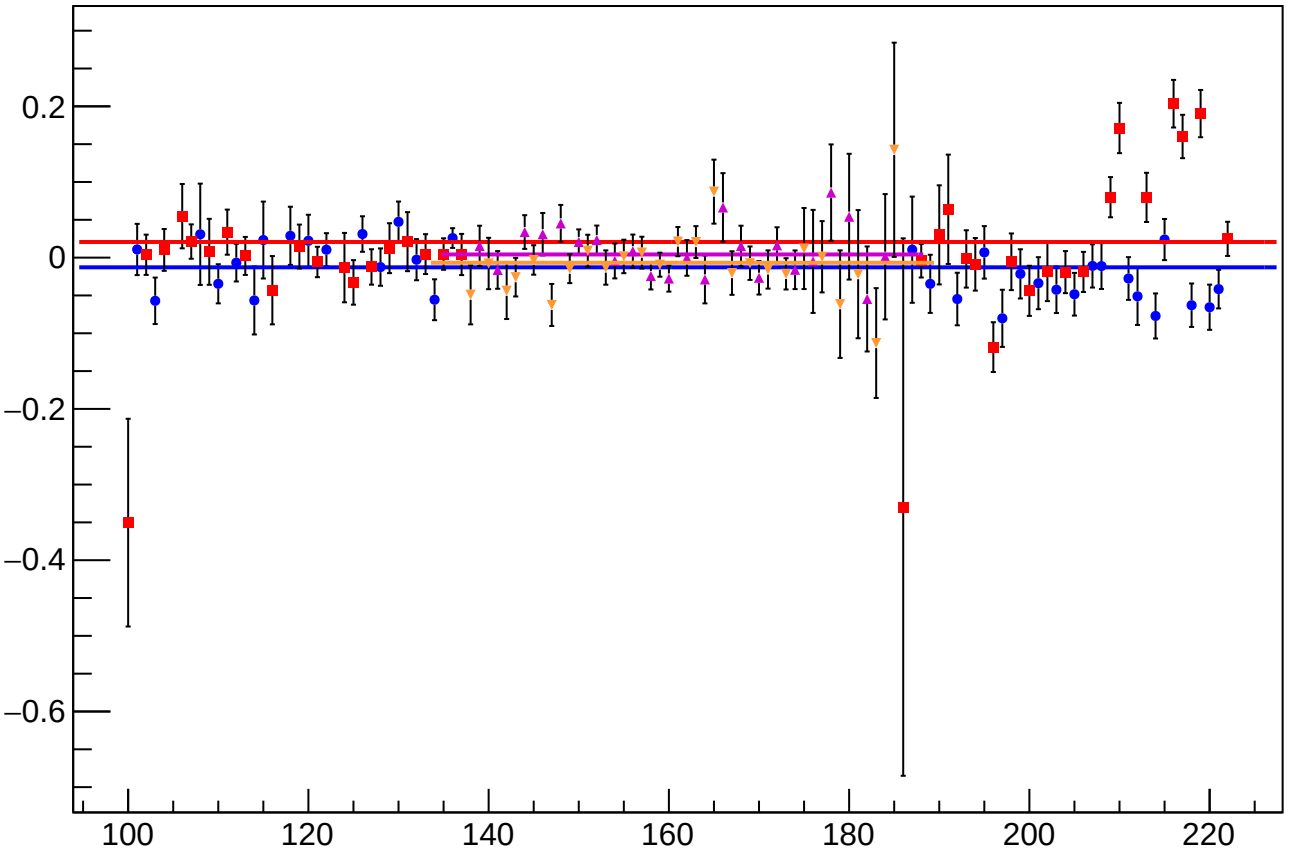
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 39745249.3/71

In: 0.001+/-0.000 χ^2/NDF:28913475.4/56

Out: 0.001+/-0.000 χ^2/NDF:36722050.9/62

All: 0.001+/-0.000 χ^2/NDF: 66235423.2/119



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: 0.021+/-0.005 χ^2/NDF: 167.2/37

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

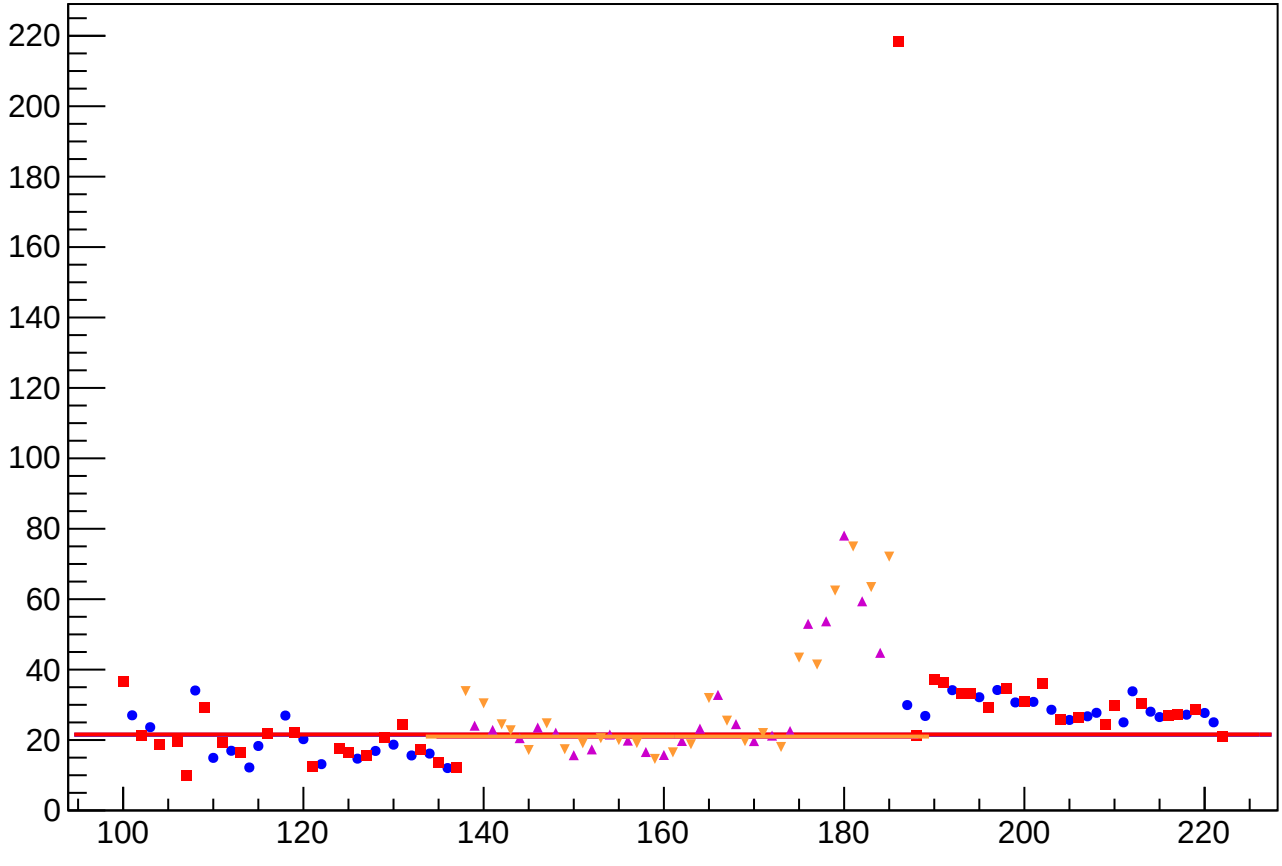
Right: 0.004+/-0.003 χ^2/NDF: 242.4/71

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.008+/-0.004 χ^2/NDF:203.6/62

All: 0.001+/-0.003 χ^2/NDF: 290.6/119

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: 21.582+/-0.003 χ^2/NDF: 4576108.3/37

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

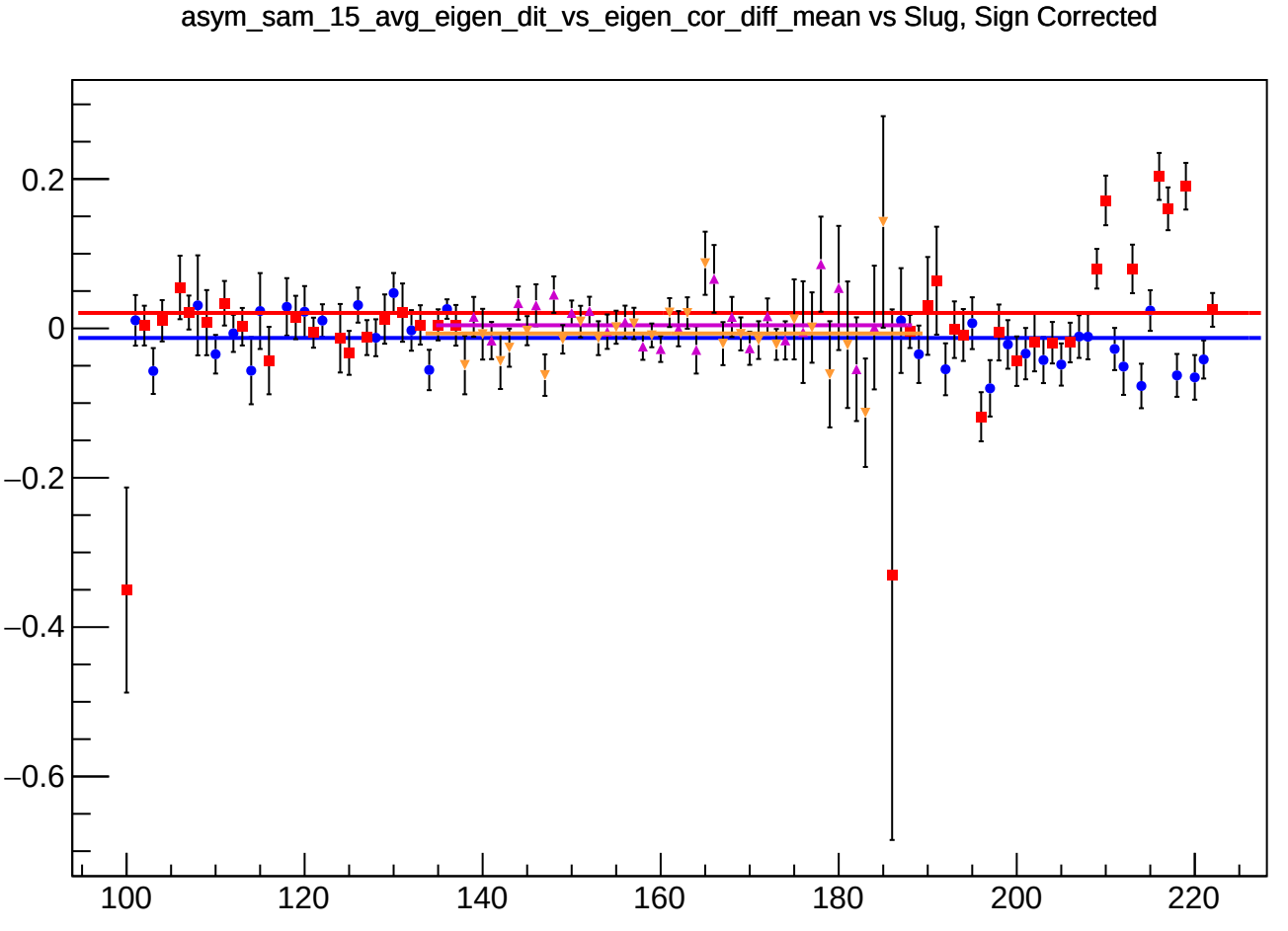
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.540+/-0.002 χ^2/NDF: 8783226.4/71

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.298+/-0.003 χ^2/NDF:9057139.4/62

All: 21.252+/-0.002 χ^2/NDF: 16814762.4/119



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: 0.021+/-0.005 χ^2/NDF: 167.2/37

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

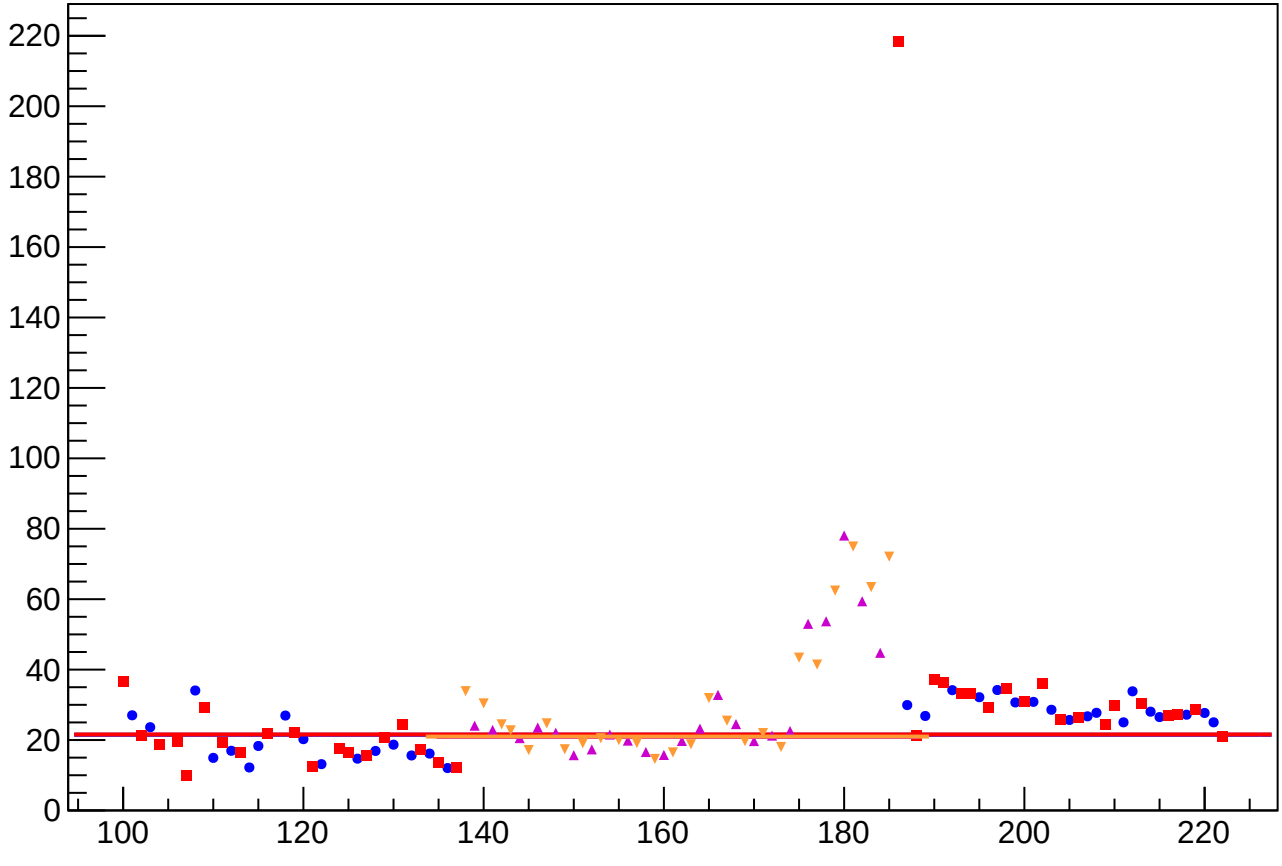
Right: 0.004+/-0.003 χ^2/NDF: 242.4/71

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.008+/-0.004 χ^2/NDF:203.6/62

All: 0.001+/-0.003 χ^2/NDF: 290.6/119

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: 21.582+/-0.003 χ^2/NDF: 4576108.3/37

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

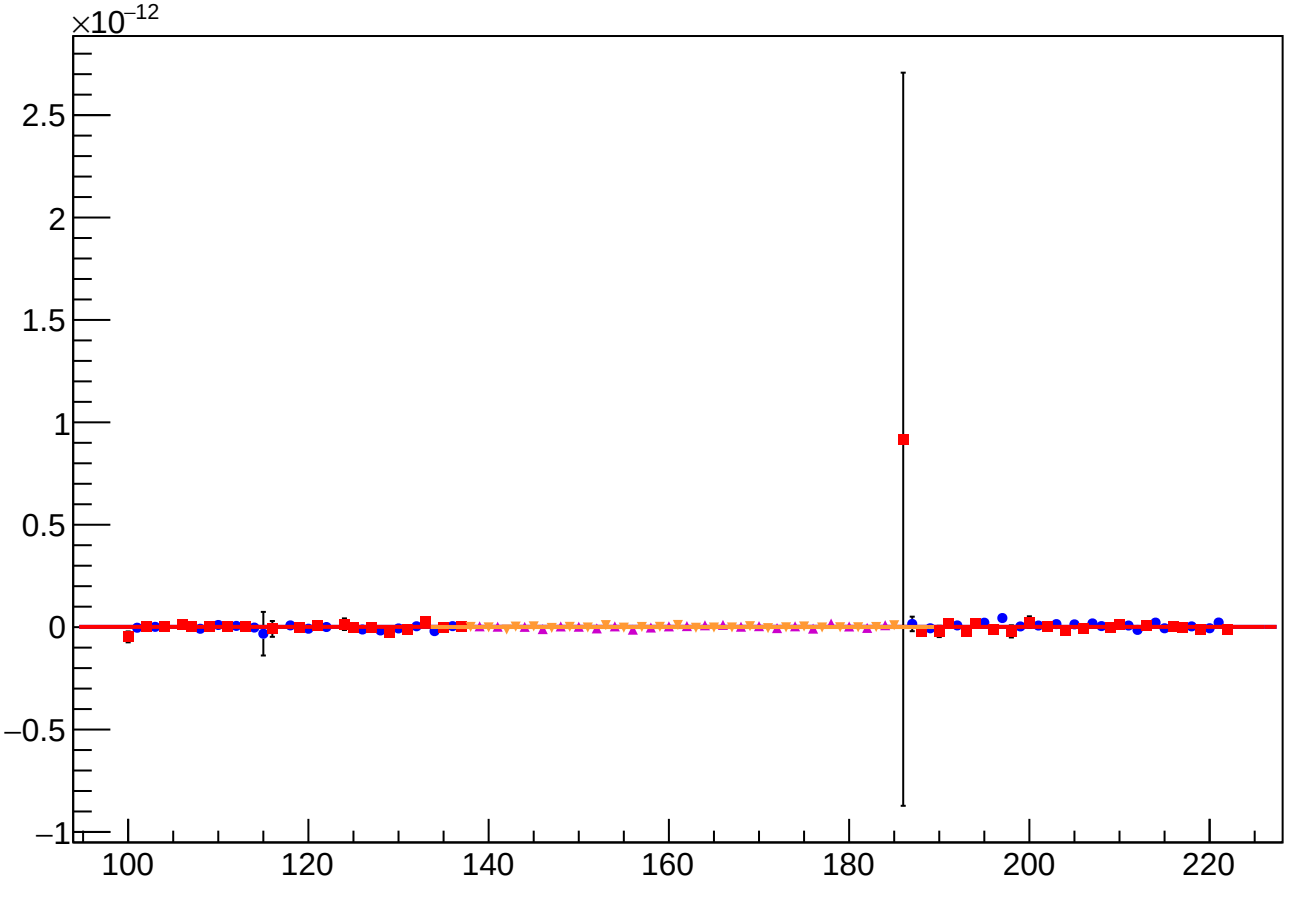
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.540+/-0.002 χ^2/NDF: 8783226.4/71

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.298+/-0.003 χ^2/NDF:9057139.4/62

All: 21.252+/-0.002 χ^2/NDF: 16814762.4/119



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: 28.7/37

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

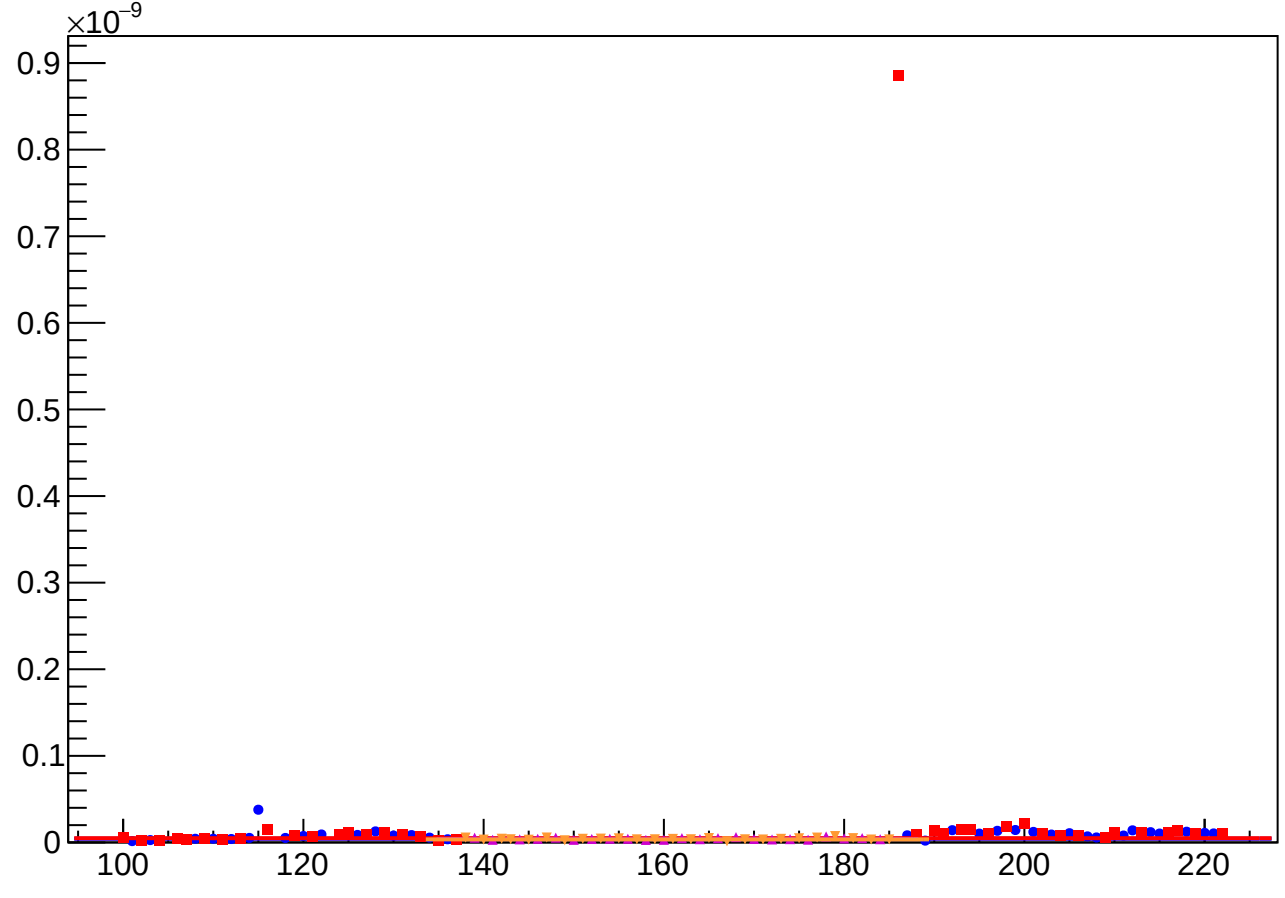
Right: 0.000+/-0.000 χ^2/NDF: 60.9/71

In: 0.000+/-0.000 χ^2/NDF:58.9/56

Out: 0.000+/-0.000 χ^2/NDF:43.4/62

All: 0.000+/-0.000 χ^2/NDF: 102.3/119

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: 10174066.1/37

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

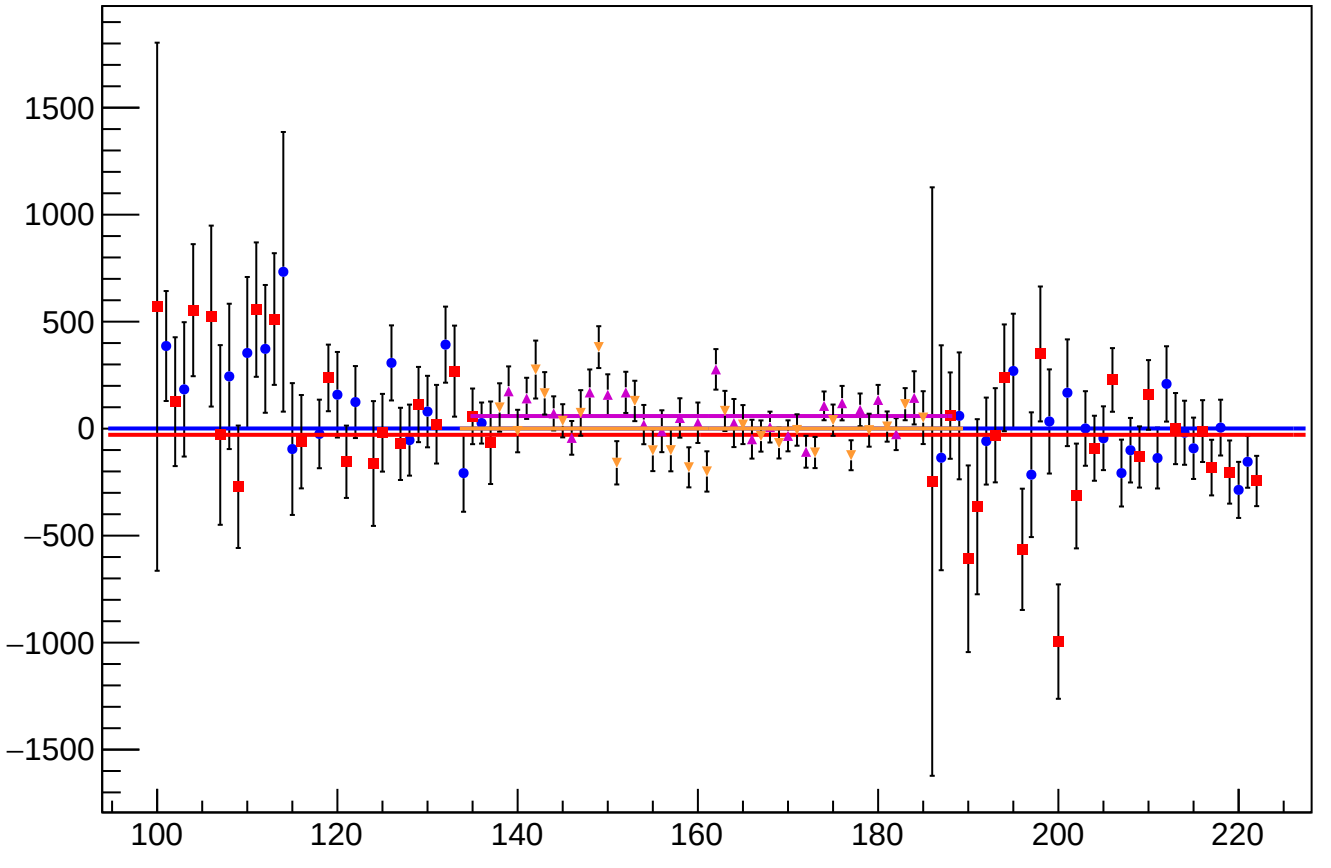
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 21170403.5/71

In: 0.000+/-0.000 χ^2/NDF:12094910.0/56

Out: 0.000+/-0.000 χ^2/NDF:13754204.4/62

All: 0.000+/-0.000 χ^2/NDF: 25858585.7/119



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: -28.821+/-32.042 χ^2/NDF: 54.4/37

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

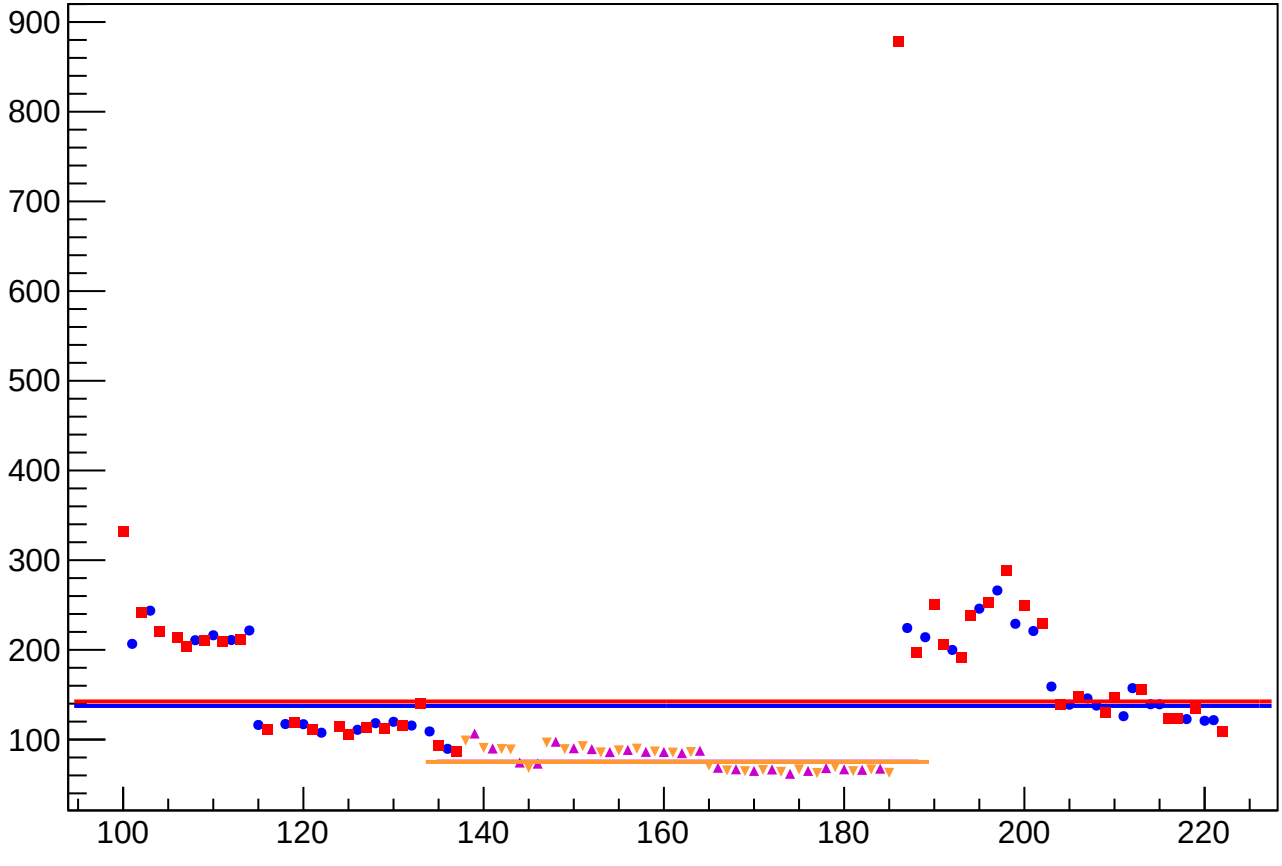
Right: -13.398+/-22.165 χ^2/NDF: 86.4/71

In: 44.175+/-15.449 χ^2/NDF:60.1/56

Out: -6.054+/-15.236 χ^2/NDF:103.7/62

All: 18.712+/-10.848 χ^2/NDF: 169.1/119

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: 142.460+/-0.023 χ^2/NDF: 4535316.3/37

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

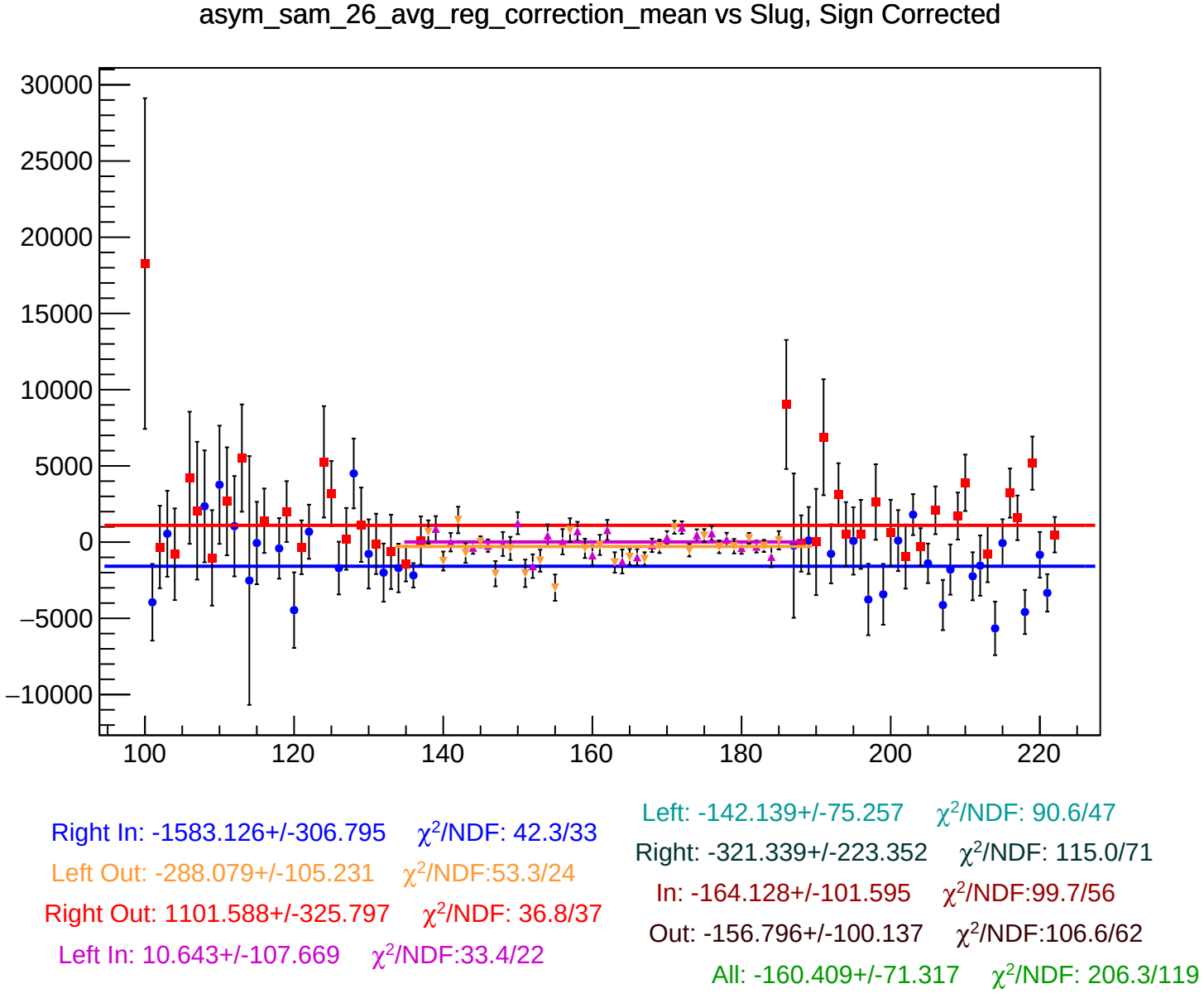
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 139.853+/-0.016 χ^2/NDF: 7847718.1/71

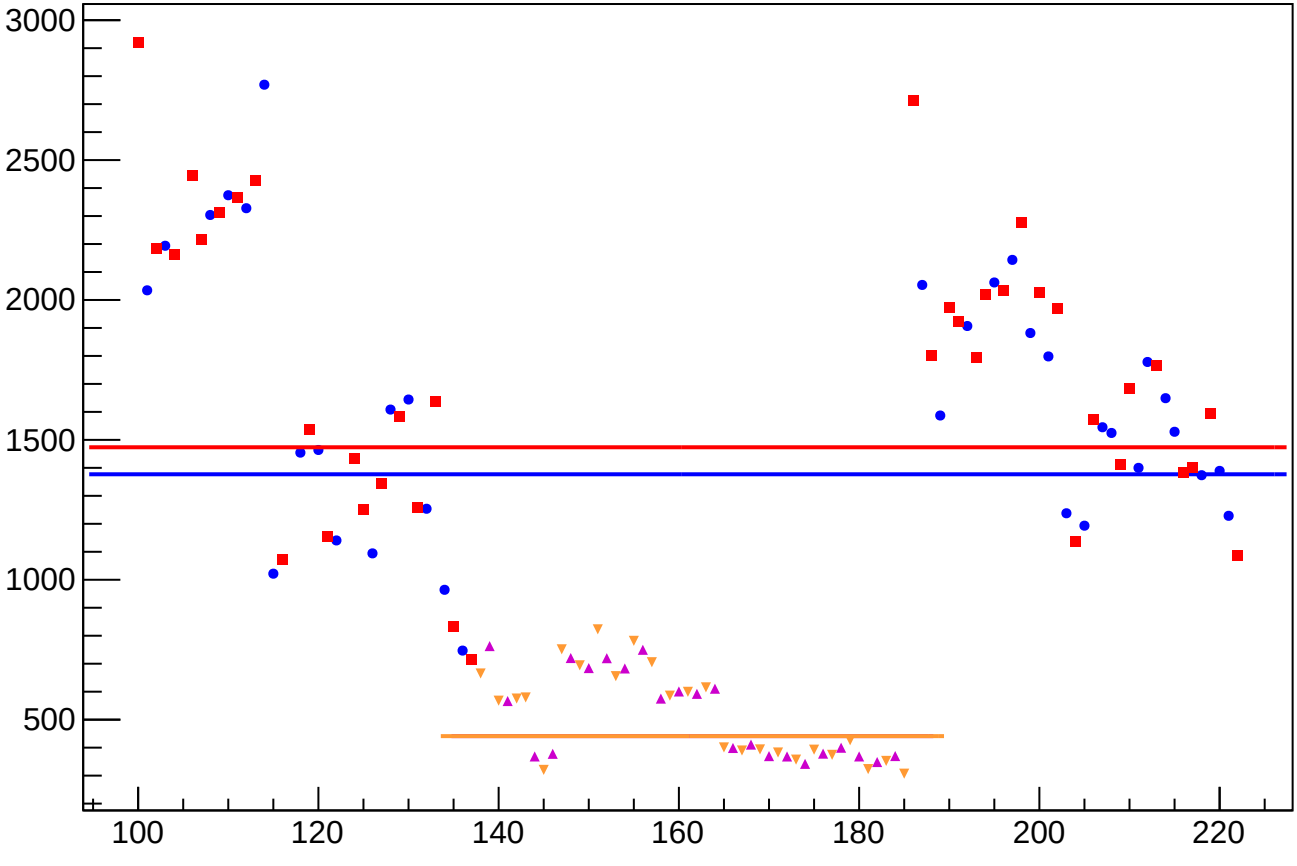
In: 91.086+/-0.011 χ^2/NDF:10238855.7/56

Out: 90.285+/-0.011 χ^2/NDF:12315675.8/62

All: 90.680+/-0.008 χ^2/NDF: 22557261.0/119


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: 1101.588+/-325.797 χ²/NDF: 36.8/37
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -321.339+/-223.352 χ²/NDF: 115.0/71
In: -164.128+/-101.595 χ²/NDF:99.7/56
Out: -156.796+/-100.137 χ²/NDF:106.6/62
All: -160.409+/-71.317 χ²/NDF: 206.3/119

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: 1473.561+/-0.230 χ^2/NDF: 3651512.8/37

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

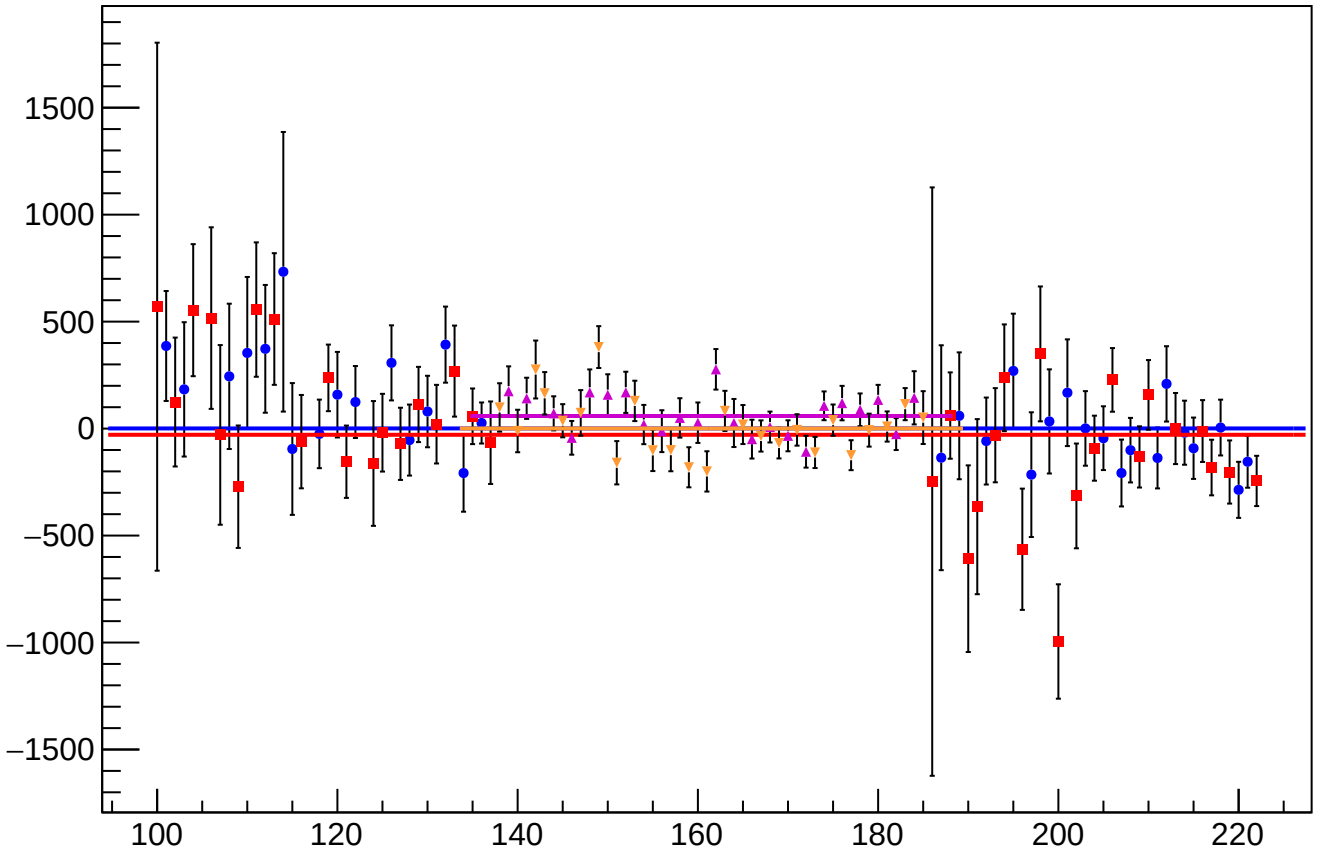
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1422.393+/-0.158 χ^2/NDF: 7209442.6/71

In: 543.817+/-0.072 χ^2/NDF:22715201.6/56

Out: 538.663+/-0.071 χ^2/NDF:25073177.8/62

All: 541.203+/-0.050 χ^2/NDF: 47790990.5/1



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: -28.922+/-32.043 χ^2/NDF: 54.3/37

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

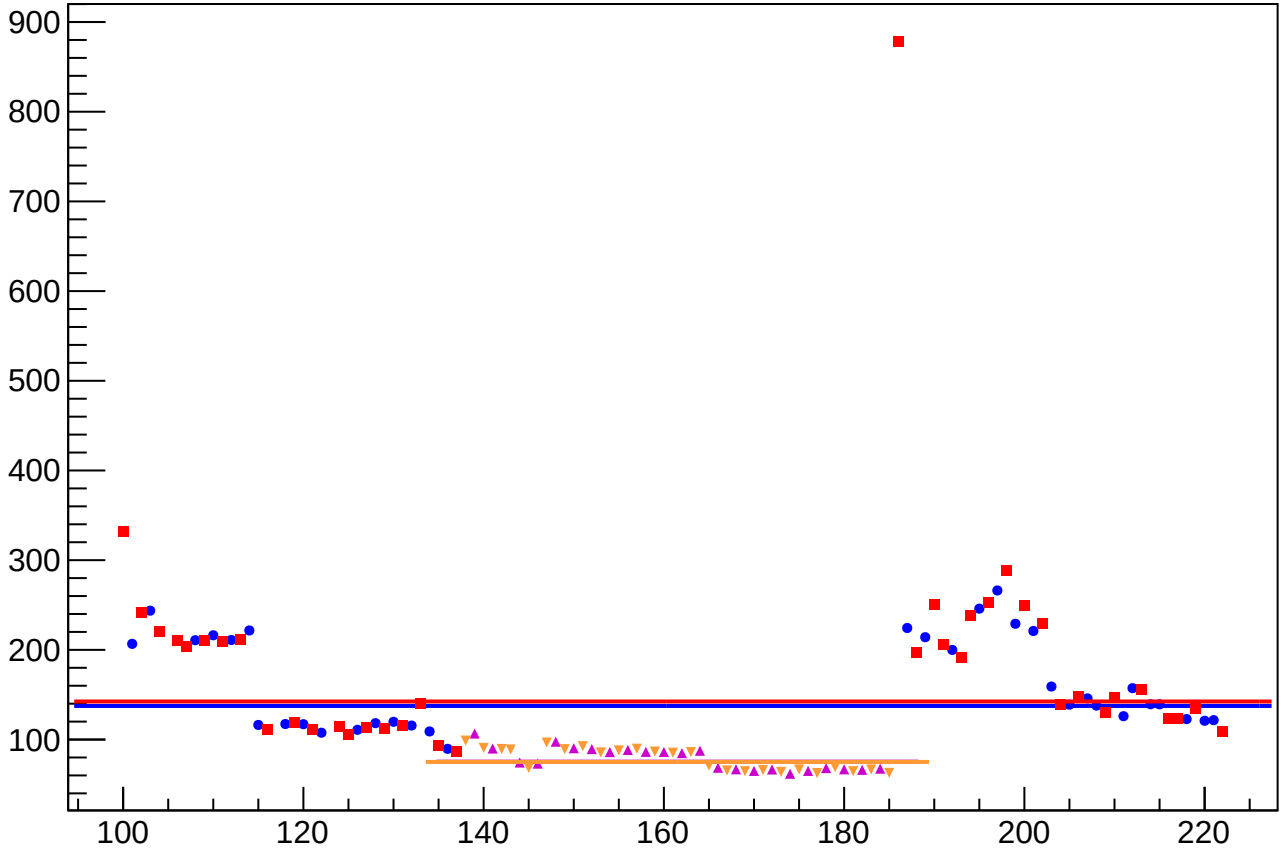
Right: -13.451+/-22.166 χ^2/NDF: 86.4/71

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -6.076+/-15.236 χ^2/NDF:103.6/62

All: 18.698+/-10.848 χ^2/NDF: 169.0/119

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: 142.440+/-0.023 χ^2/NDF: 4530454.7/37

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

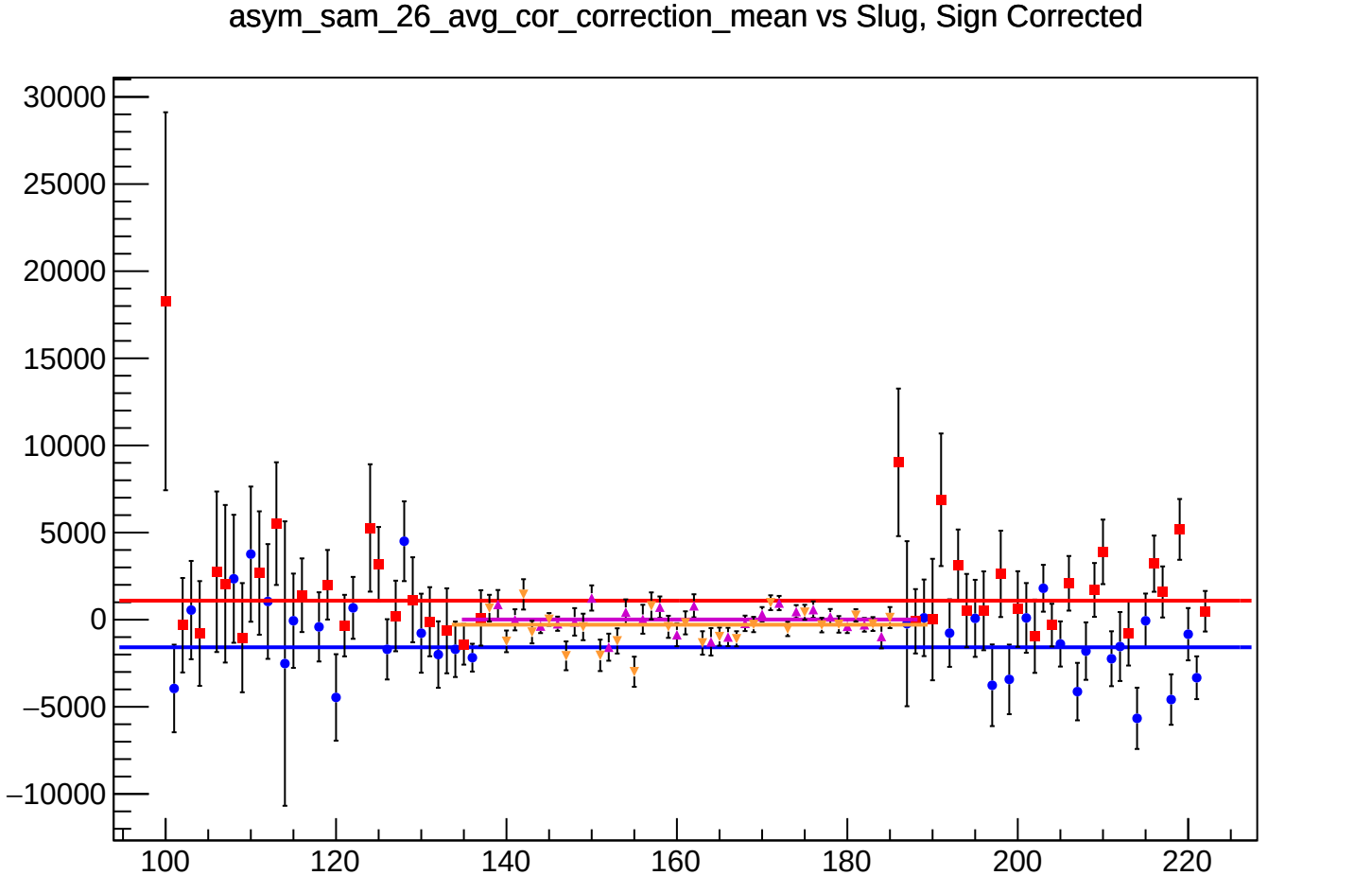
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 139.843+/-0.016 χ^2/NDF: 7842652.7/71

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 90.280+/-0.011 χ^2/NDF:12306412.2/62

All: 90.677+/-0.008 χ^2/NDF: 22548035.0/119



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: 1092.302+/-325.906 χ^2/NDF: 36.4/37

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

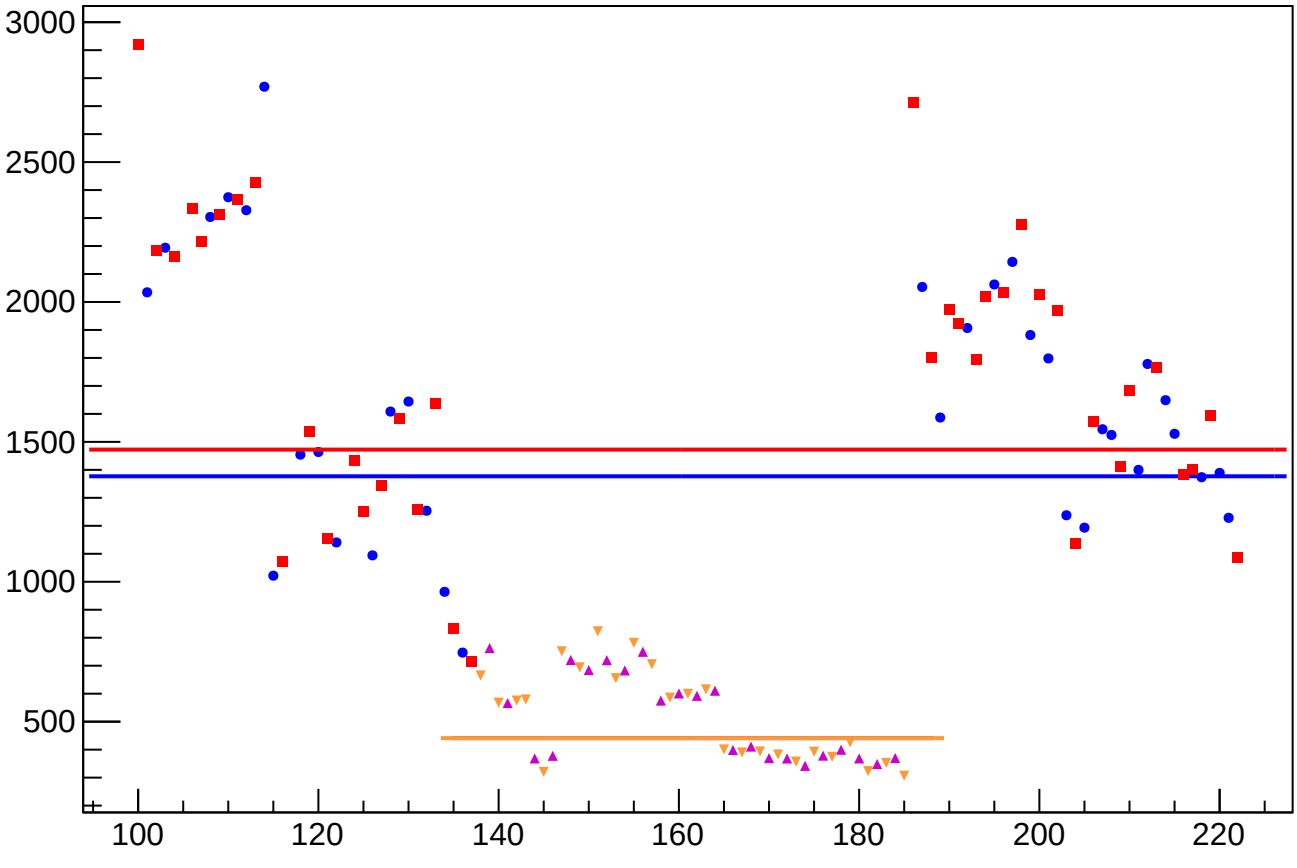
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -326.146+/-223.388 χ^2/NDF: 114.4/71

In: -164.127+/-101.595 χ^2/NDF:99.7/56

Out: -157.752+/-100.140 χ^2/NDF:105.9/62

All: -160.893+/-71.319 χ^2/NDF: 205.6/119



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: 1472.391+/-0.230 χ^2/NDF: 3621430.9/37

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

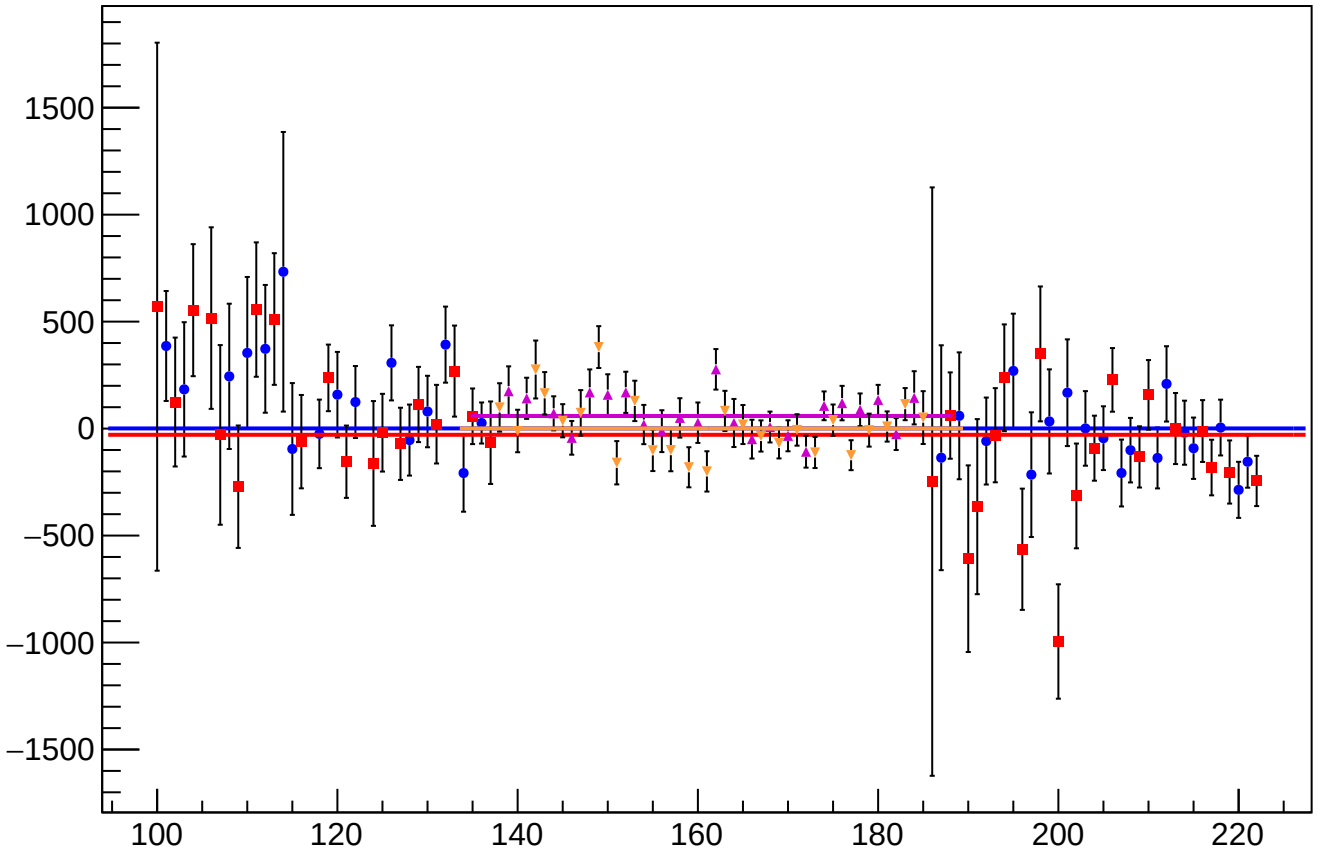
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1421.827+/-0.158 χ^2/NDF: 7177114.4/71

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 538.494+/-0.071 χ^2/NDF:24990912.7/62

All: 541.117+/-0.050 χ^2/NDF: 47708910.3/11



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: -28.922+/-32.043 χ^2/NDF: 54.3/37

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

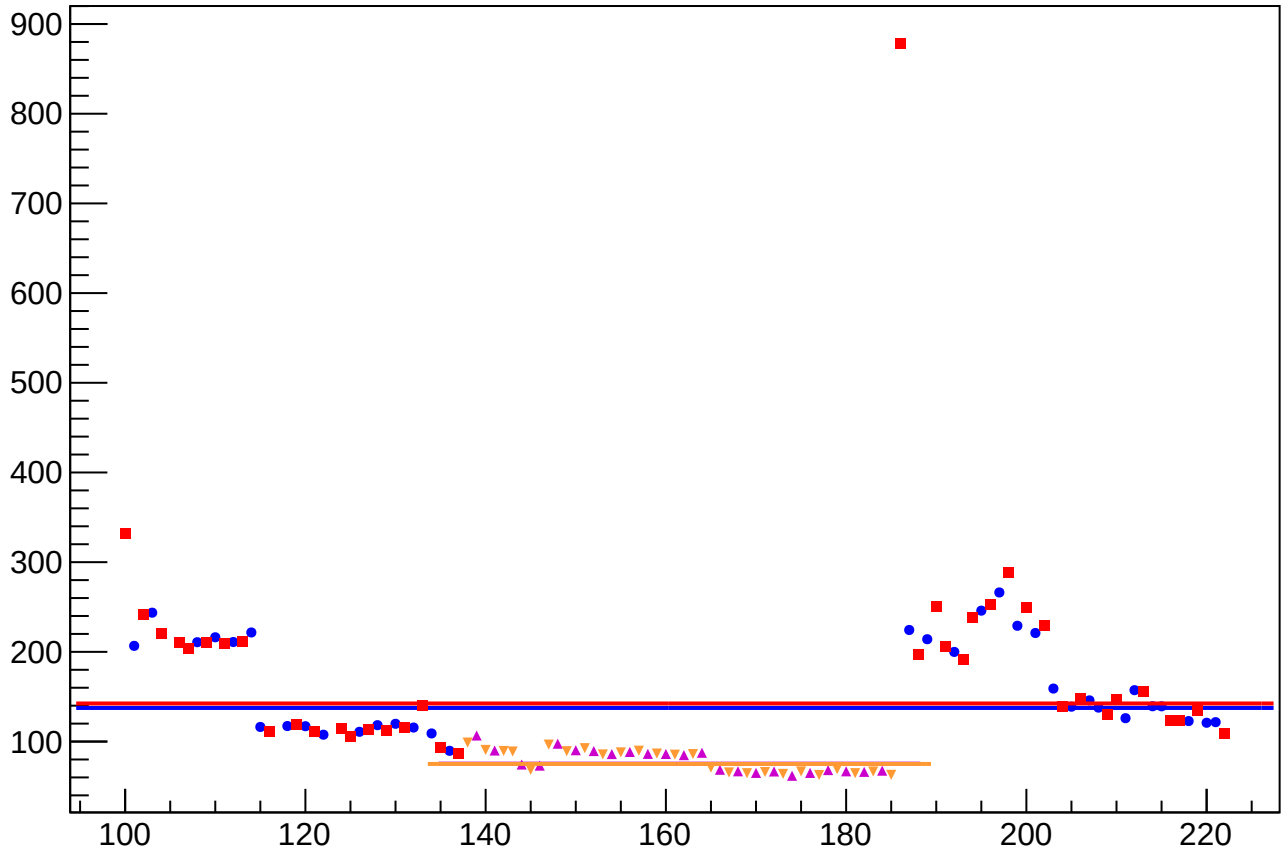
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: -13.451+/-22.166 χ^2/NDF: 86.4/71

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -6.076+/-15.236 χ^2/NDF:103.6/62

All: 18.698+/-10.848 χ^2/NDF: 169.0/119



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: 142.440+/-0.023 χ^2/NDF: 4530454.7/37

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

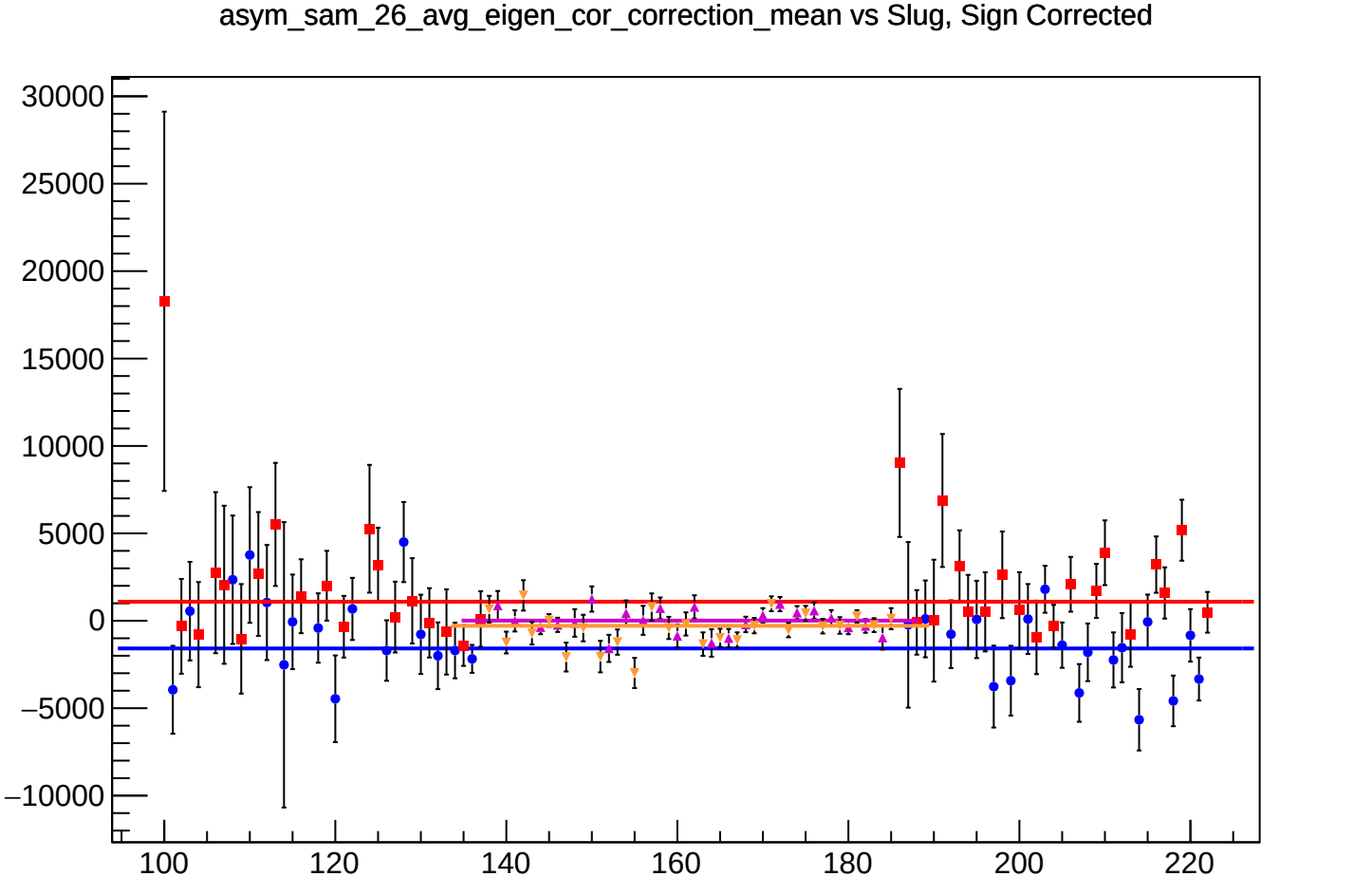
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

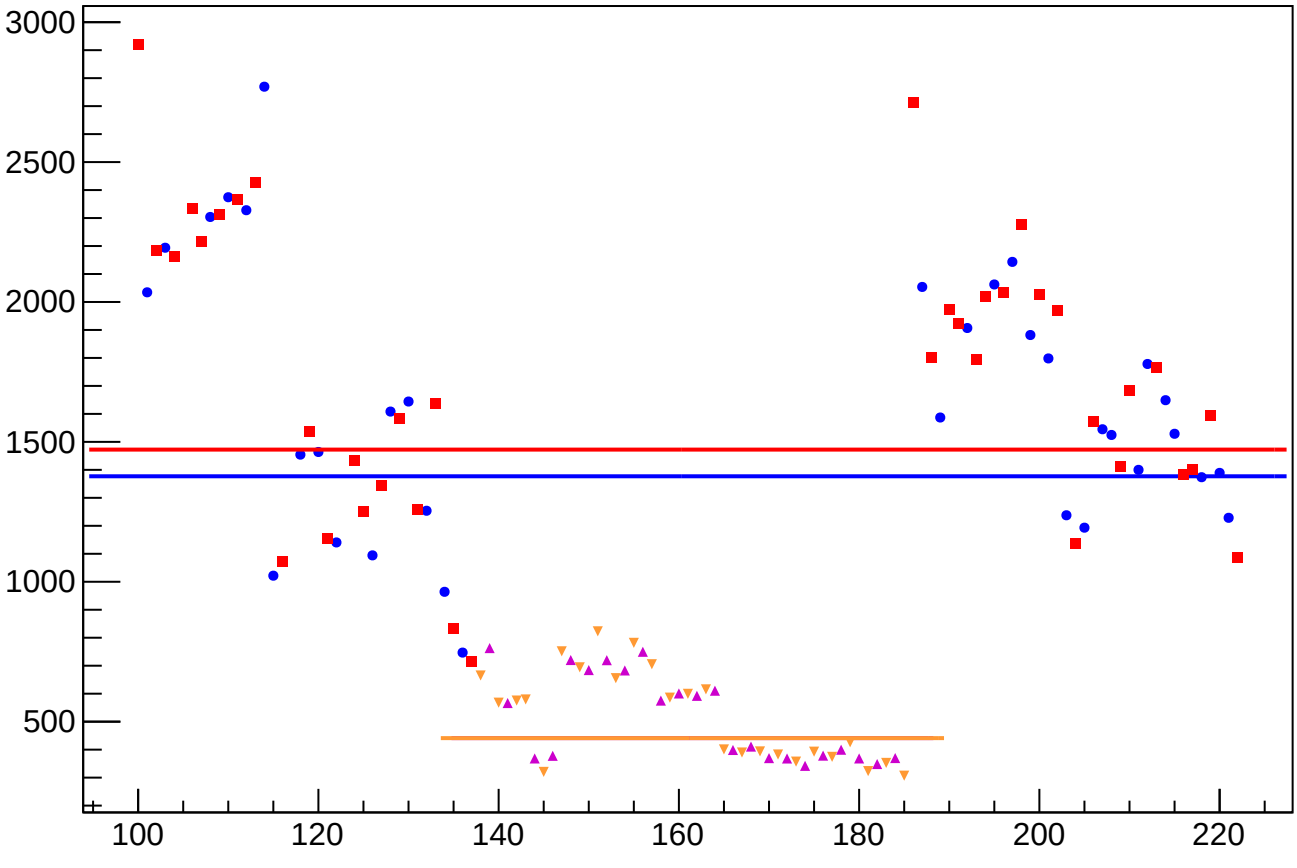
Right: 139.843+/-0.016 χ^2/NDF: 7842652.7/71

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 90.280+/-0.011 χ^2/NDF:12306412.2/62

All: 90.677+/-0.008 χ^2/NDF: 22548035.0/119


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1583.122+/-306.795 χ²/NDF: 42.3/33
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 1092.302+/-325.906 χ²/NDF: 36.4/37
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -326.146+/-223.388 χ²/NDF: 114.4/71
In: -164.127+/-101.595 χ²/NDF:99.7/56
Out: -157.752+/-100.140 χ²/NDF:105.9/62
All: -160.893+/-71.319 χ²/NDF: 205.6/119



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: 1472.391+/-0.230 χ^2/NDF: 3621430.9/37

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

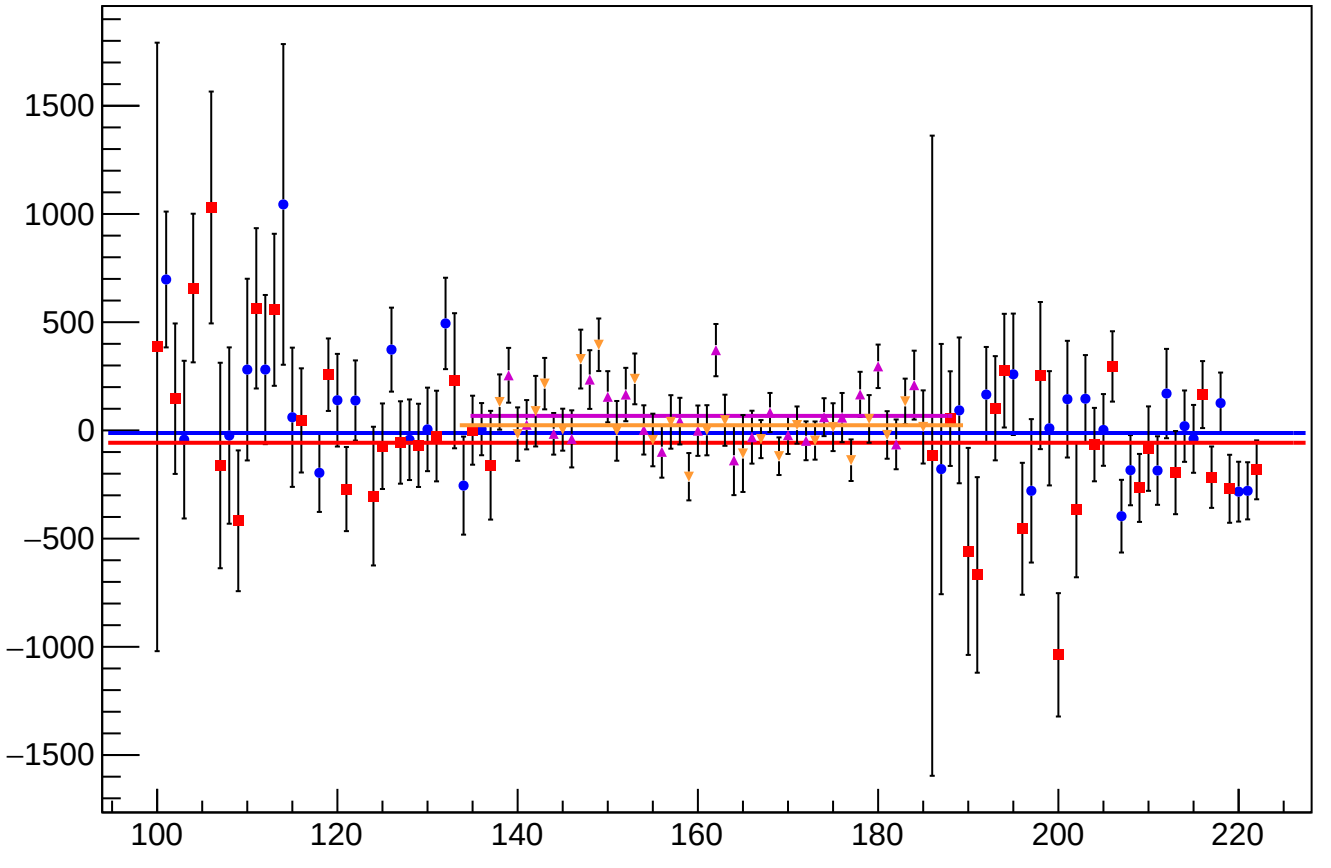
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1421.827+/-0.158 χ^2/NDF: 7177114.4/71

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 538.494+/-0.071 χ^2/NDF:24990912.7/62

All: 541.117+/-0.050 χ^2/NDF: 47708910.3/11



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: -57.151+/-36.169 χ^2/NDF: 56.3/37

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

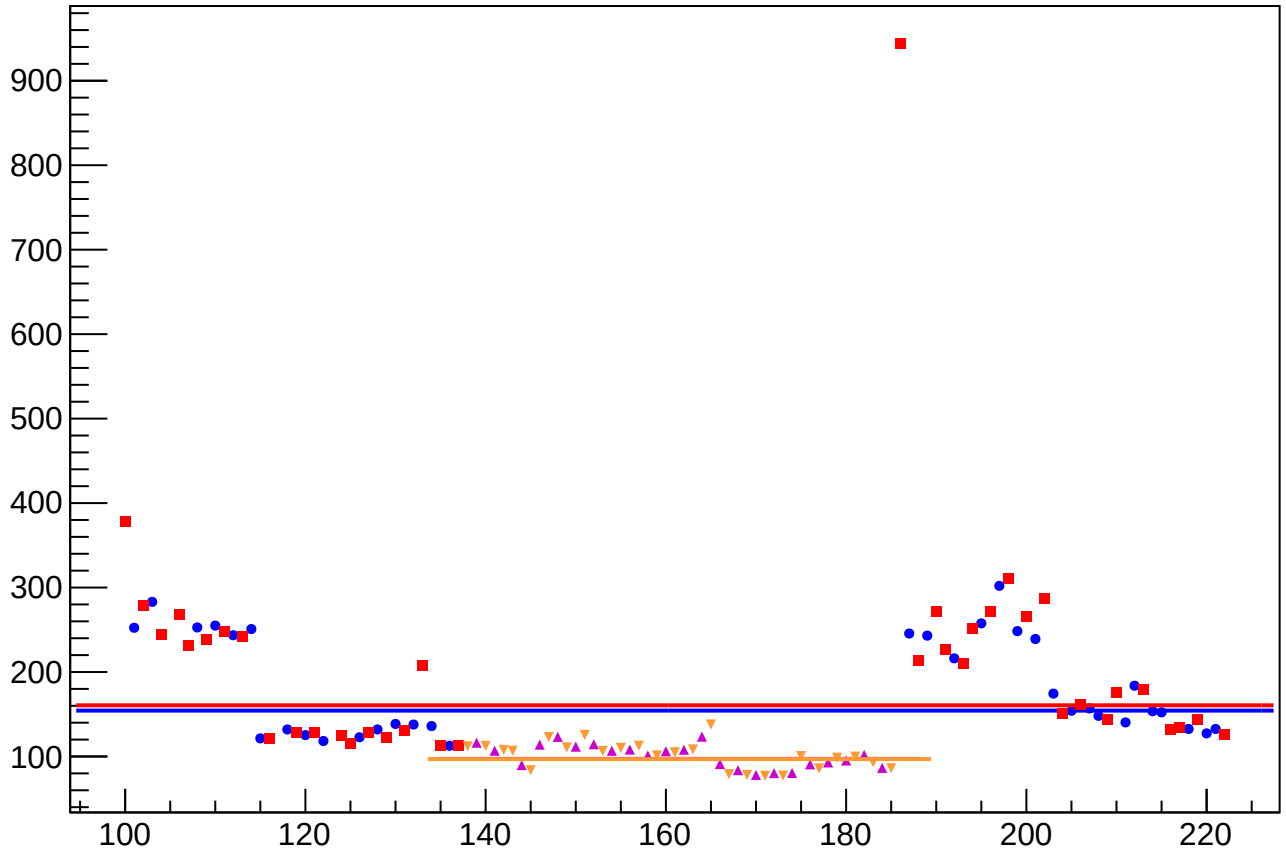
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -33.476+/-24.954 χ^2/NDF: 99.3/71

In: 42.555+/-19.202 χ^2/NDF:74.5/56

Out: 1.392+/-19.052 χ^2/NDF:95.1/62

All: 21.813+/-13.525 χ^2/NDF: 171.9/119



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: 160.578+/-0.026 χ^2/NDF: 4391515.7/37

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

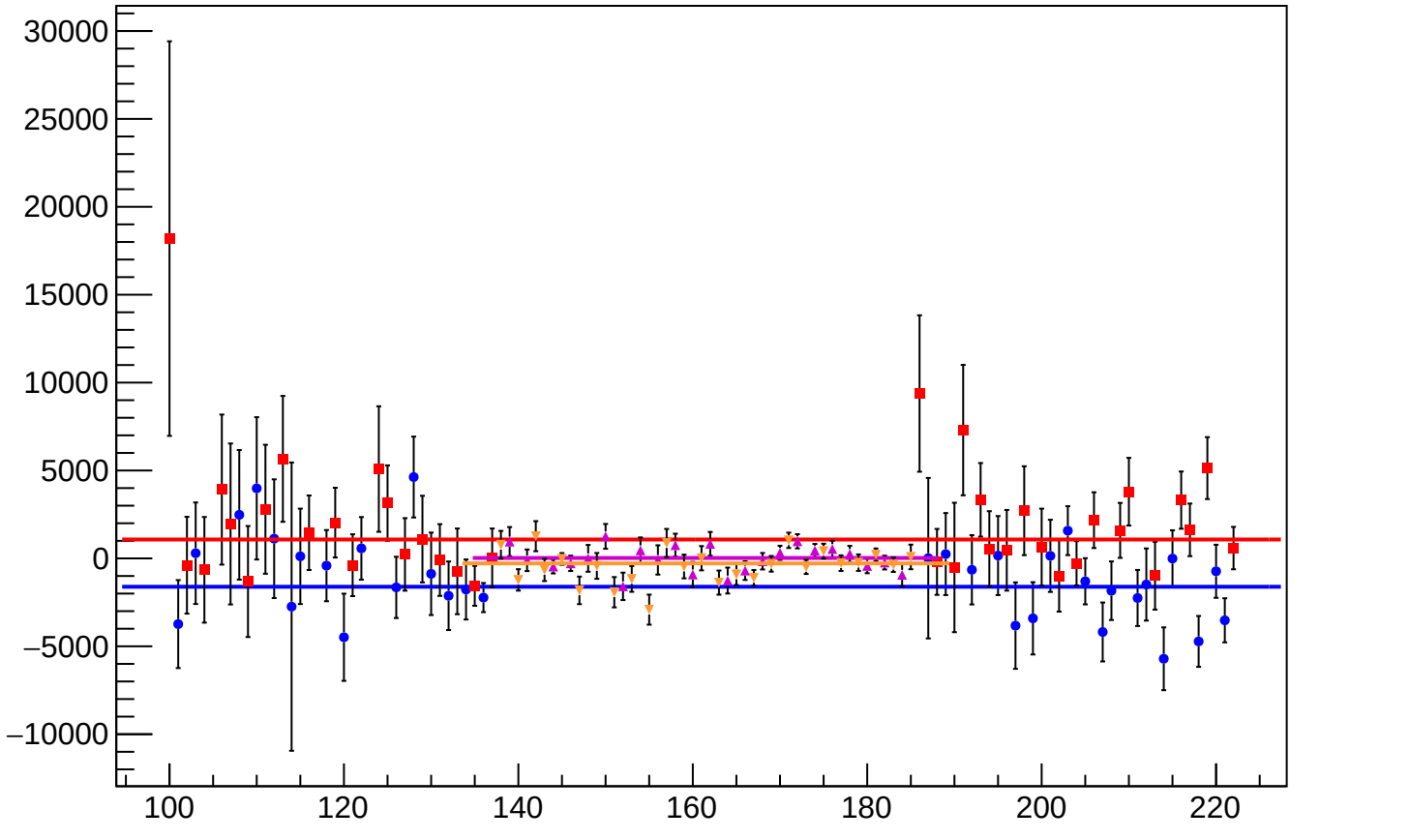
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 157.298+/-0.018 χ^2/NDF: 7515293.1/71

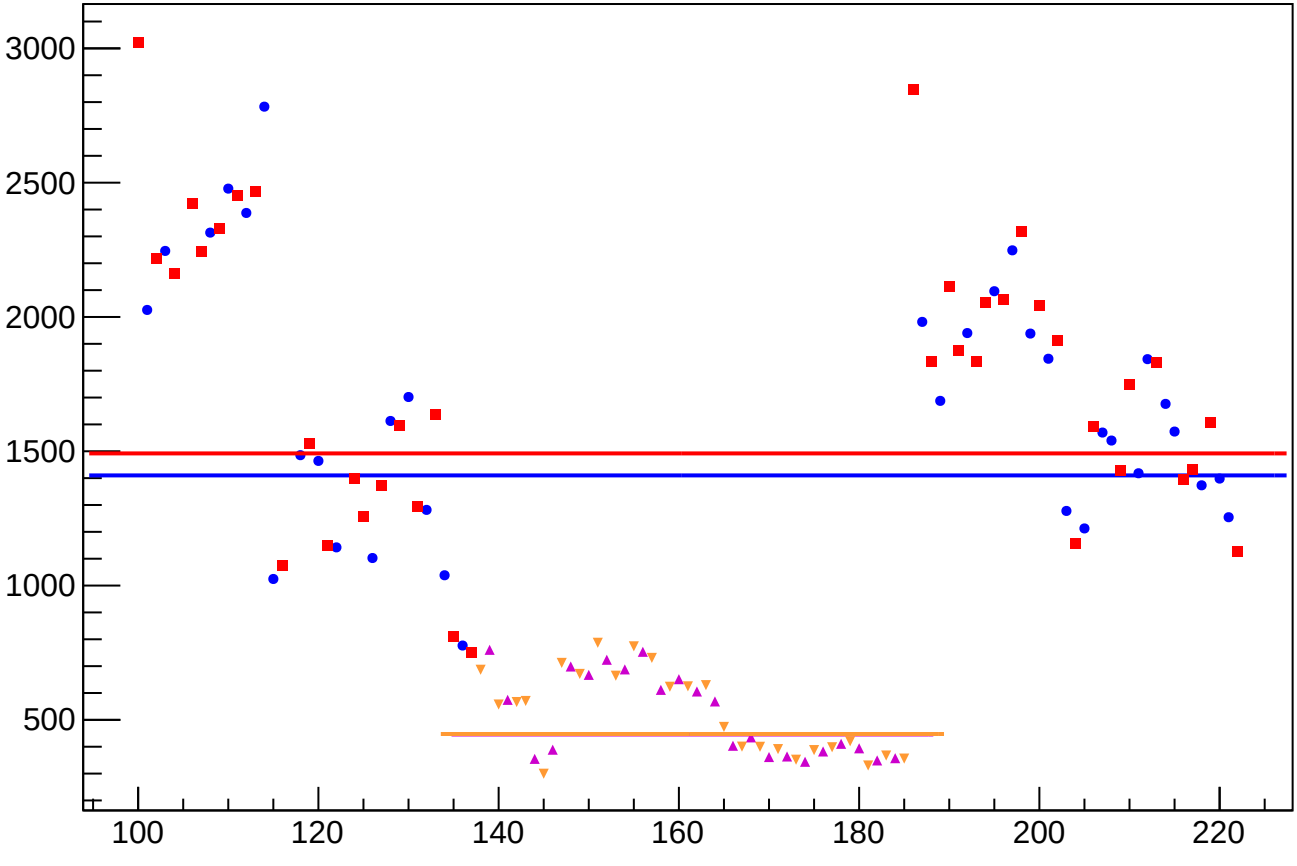
In: 114.901+/-0.014 χ^2/NDF:7558821.6/56

Out: 114.574+/-0.013 χ^2/NDF:9803425.3/62

All: 114.736+/-0.010 χ^2/NDF: 17362539.5/11


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1612.145+/-313.666 χ²/NDF: 42.0/33
Left Out: -282.422+/-106.394 χ²/NDF:50.4/24
Right Out: 1075.769+/-330.051 χ²/NDF: 38.0/37
Left In: 24.625+/-108.884 χ²/NDF:32.9/22
Left: -132.449+/-76.097 χ²/NDF: 87.4/47
Right: -336.559+/-227.367 χ²/NDF: 114.8/71
In: -151.396+/-102.862 χ²/NDF:99.2/56
Out: -154.573+/-101.263 χ²/NDF:103.7/62
All: -153.009+/-72.163 χ²/NDF: 203.0/119

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1492.049+/-0.233 χ^2/NDF: 3703279.2/37

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

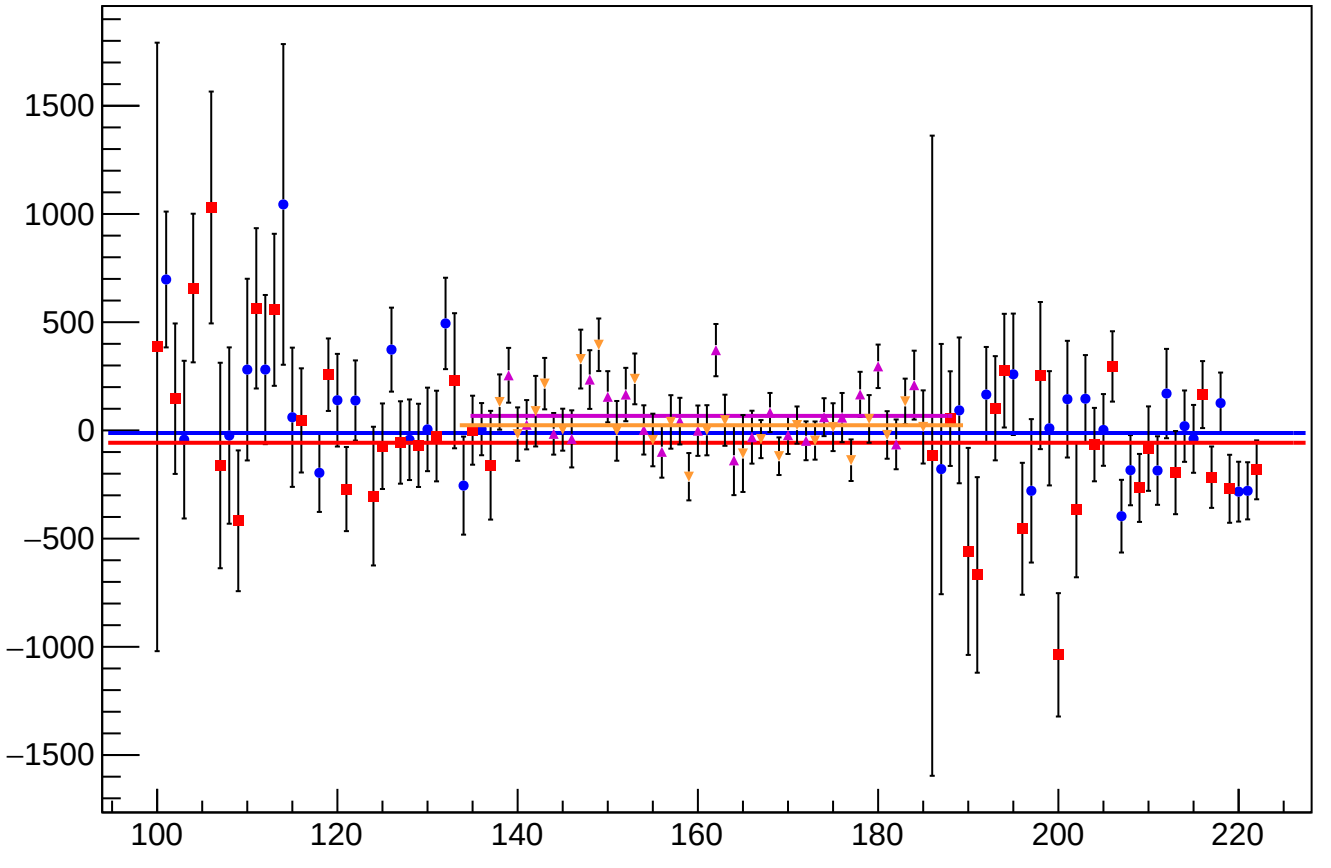
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1449.016+/-0.161 χ^2/NDF: 7137475.5/71

In: 549.232+/-0.073 χ^2/NDF:22964979.0/56

Out: 545.722+/-0.072 χ^2/NDF:25051461.9/62

All: 547.450+/-0.051 χ^2/NDF: 48017623.5/11



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: -57.152+/-36.169 χ^2/NDF: 56.3/37

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

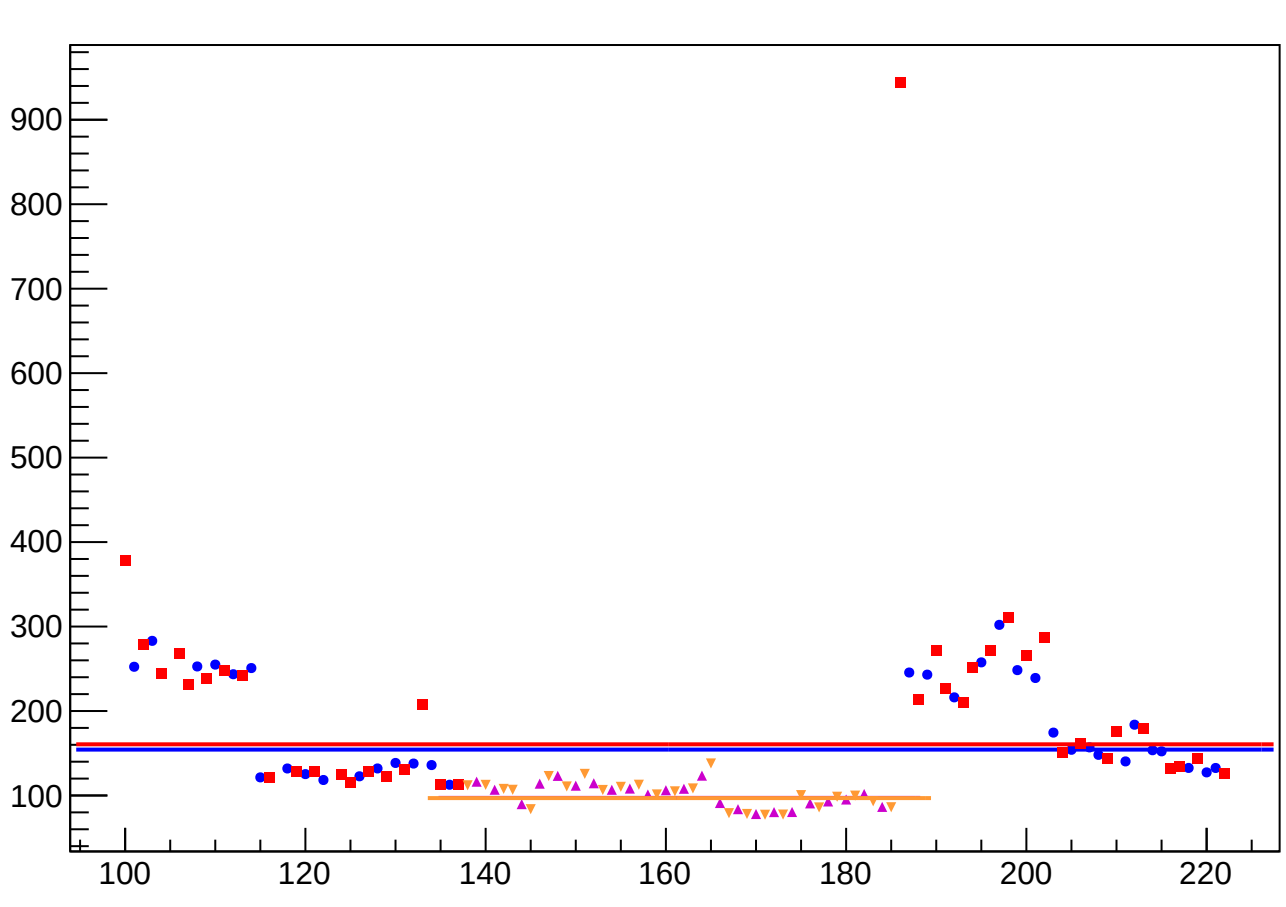
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -33.474+/-24.954 χ^2/NDF: 99.3/71

In: 42.556+/-19.202 χ^2/NDF:74.5/56

Out: 1.390+/-19.052 χ^2/NDF:95.1/62

All: 21.812+/-13.525 χ^2/NDF: 171.9/119



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: 160.577+/-0.026 χ^2/NDF: 4391516.2/37

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

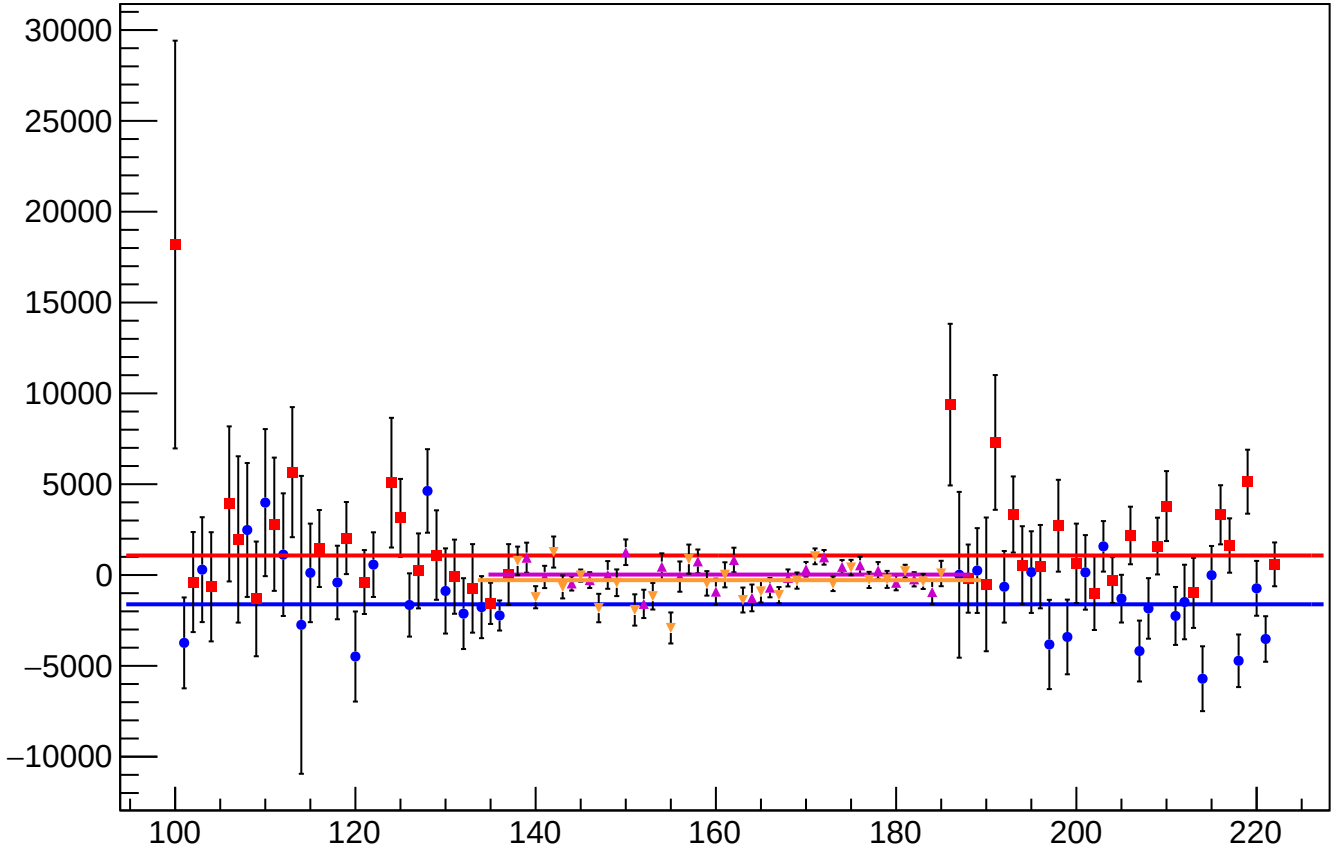
Right: 157.298+/-0.018 χ^2/NDF: 7515303.2/71

In: 114.901+/-0.014 χ^2/NDF:7558726.6/56

Out: 114.574+/-0.013 χ^2/NDF:9803358.0/62

All: 114.736+/-0.010 χ^2/NDF: 17362377.4/11

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: 1075.769+/-330.051 χ^2/NDF: 38.0/37

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

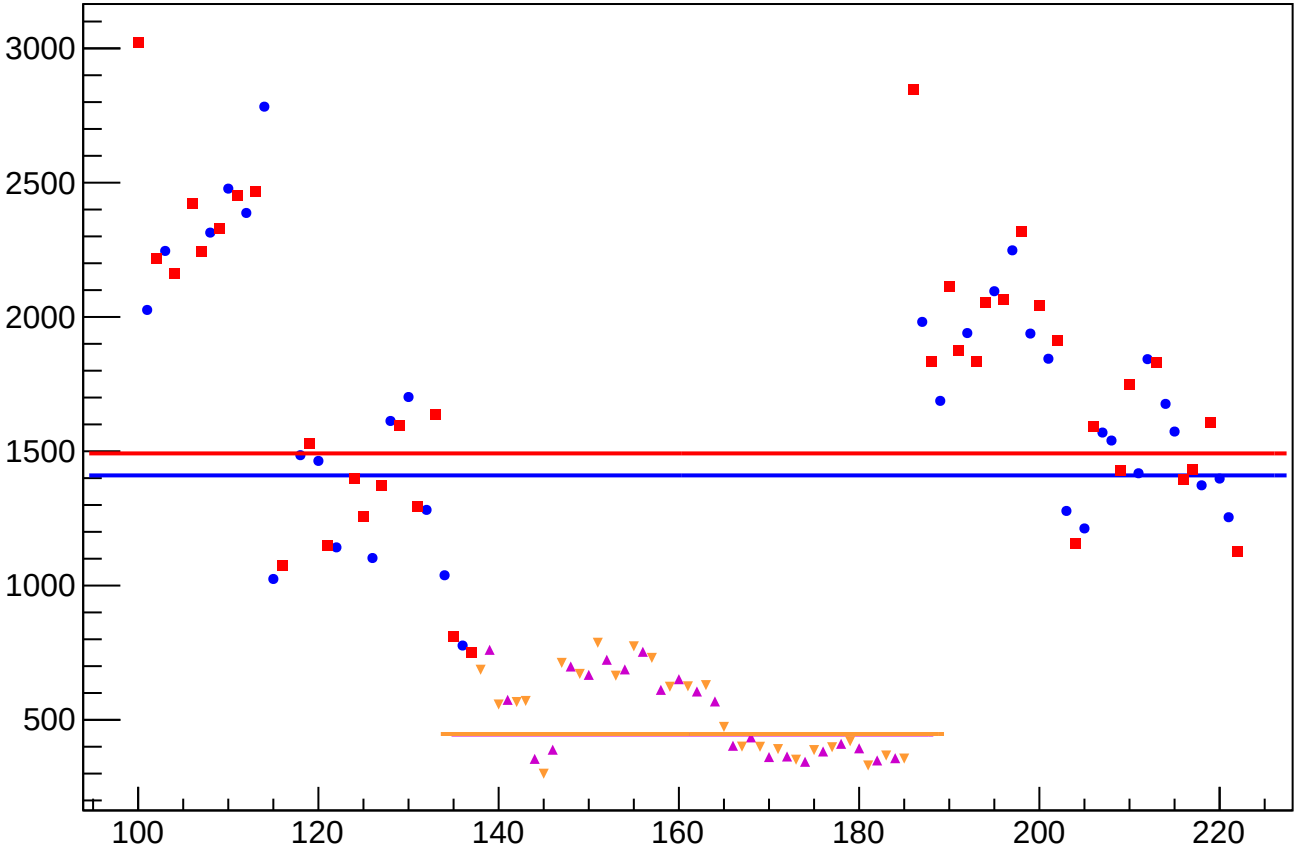
Right: -336.559+/-227.367 χ^2/NDF: 114.8/71

In: -151.395+/-102.862 χ^2/NDF:99.2/56

Out: -154.572+/-101.263 χ^2/NDF:103.7/62

All: -153.009+/-72.162 χ^2/NDF: 203.0/119

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: 1492.049+/-0.233 χ^2/NDF: 3703260.0/37

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

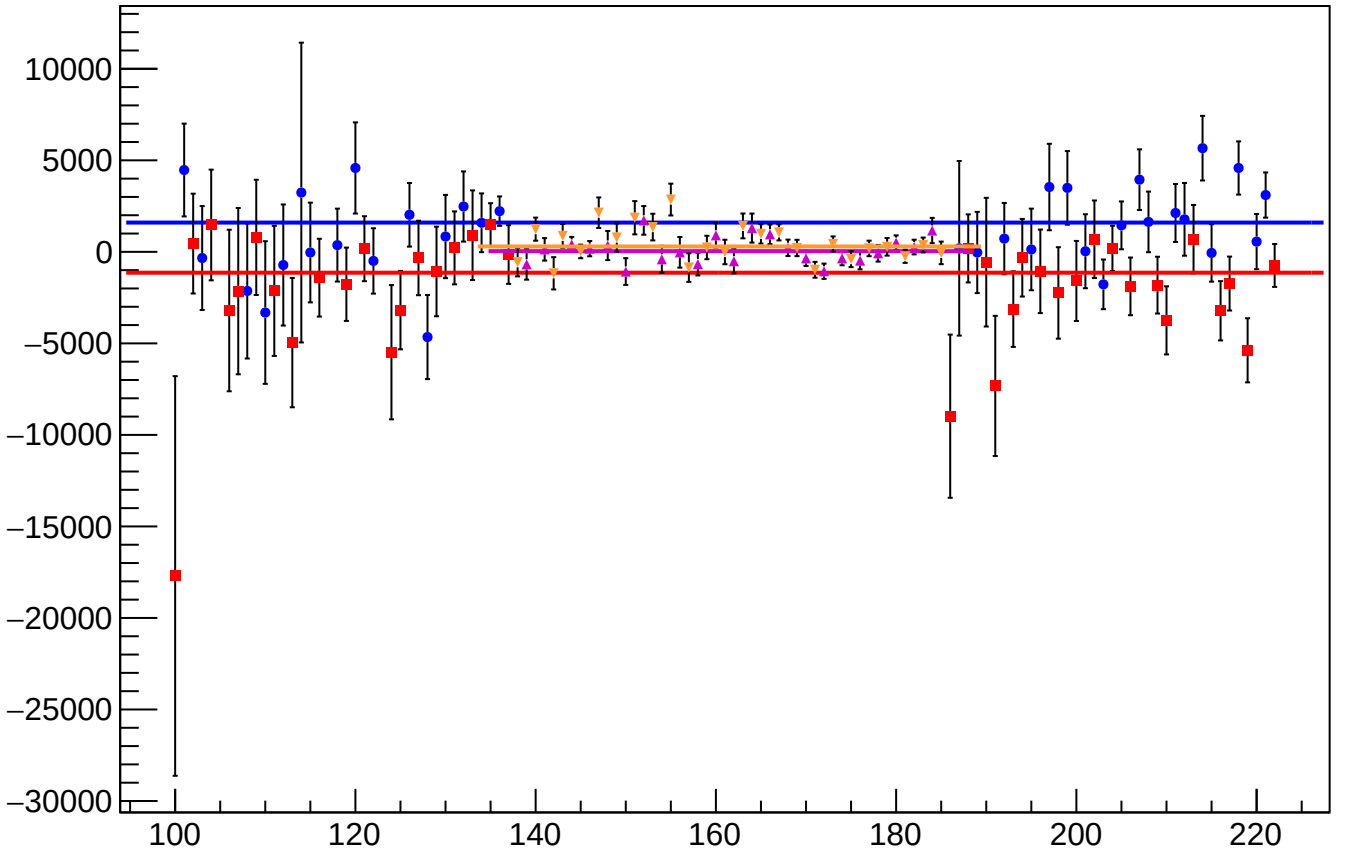
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1449.015+/-0.161 χ^2/NDF: 7137438.1/71

In: 549.232+/-0.073 χ^2/NDF:22964987.7/56

Out: 545.722+/-0.072 χ^2/NDF:25051494.6/62

All: 547.449+/-0.051 χ^2/NDF: 48017664.9/11



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: -1139.404+/-327.715 χ^2/NDF: 35.5/37

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

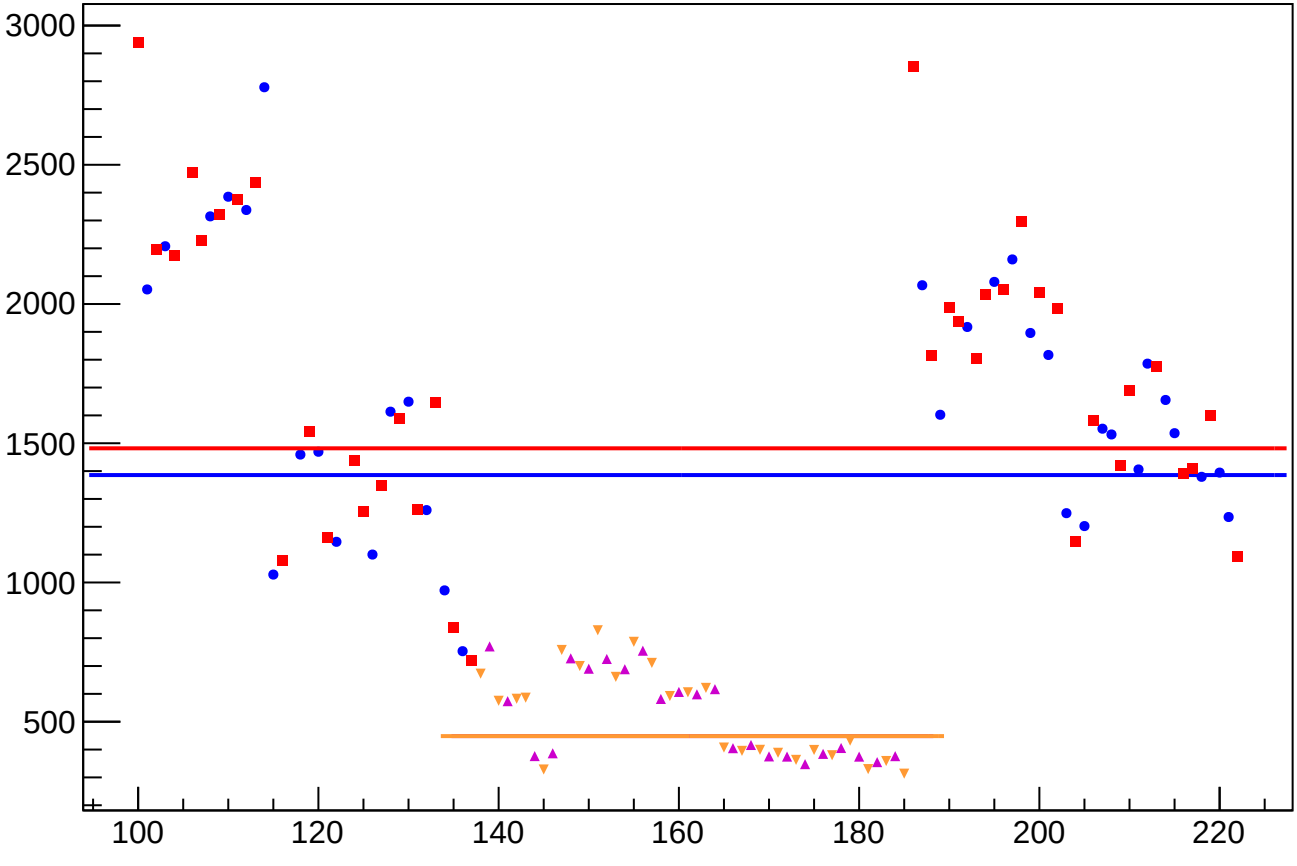
Right: 311.658+/-224.695 χ^2/NDF: 113.7/71

In: 212.056+/-103.044 χ^2/NDF:96.8/56

Out: 157.266+/-101.552 χ^2/NDF:103.3/62

All: 184.262+/-72.330 χ^2/NDF: 200.3/119

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: 1481.788+/-0.232 χ^2/NDF: 3670537.0/37

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

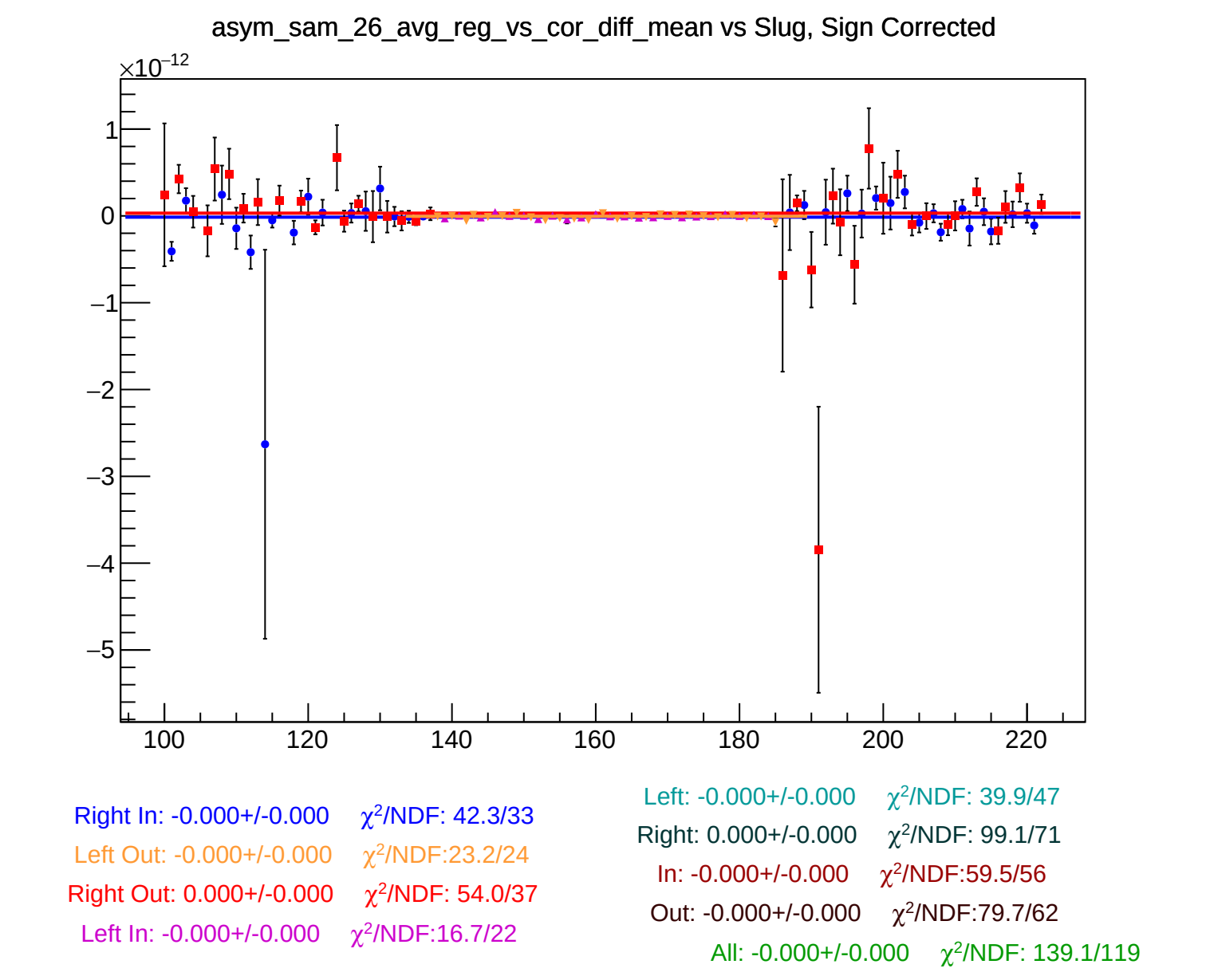
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

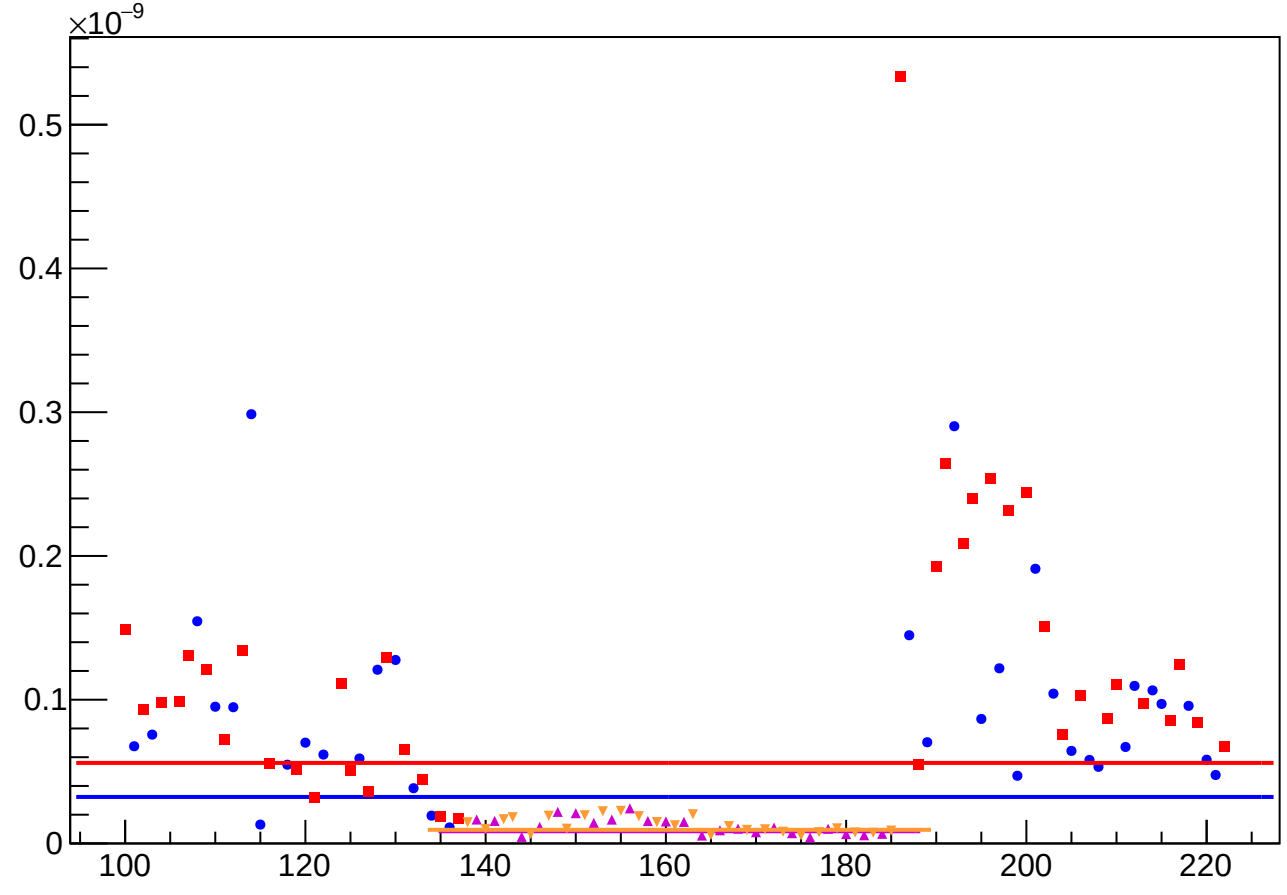
Right: 1430.901+/-0.159 χ^2/NDF: 7211344.7/71

In: 552.858+/-0.073 χ^2/NDF:22458645.7/56

Out: 547.522+/-0.072 χ^2/NDF:24808861.4/62

All: 550.151+/-0.051 χ^2/NDF: 47270228.6/11


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 42.3/33
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 54.0/37
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 99.1/71
In: -0.000+/-0.000 χ²/NDF:59.5/56
Out: -0.000+/-0.000 χ²/NDF:79.7/62
All: -0.000+/-0.000 χ²/NDF: 139.1/119



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: 6864972.4/37

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

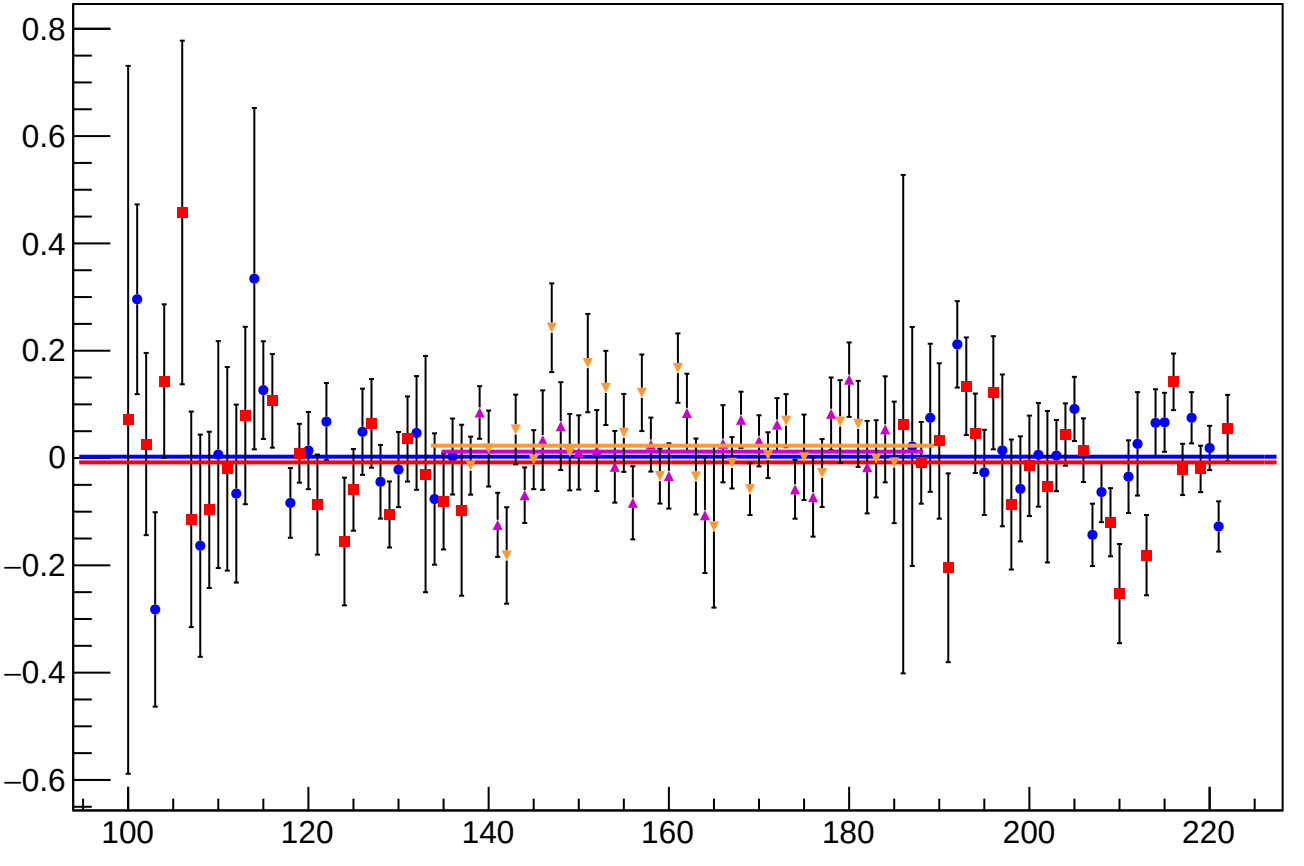
Right: 0.000+/-0.000 χ^2/NDF: 17203702.5/71

In: 0.000+/-0.000 χ^2/NDF:15978164.7/56

Out: 0.000+/-0.000 χ^2/NDF:17400028.2/62

All: 0.000+/-0.000 χ^2/NDF: 33454218.8/119

asym_sam_26_avg_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: -0.008+/-0.014 χ^2/NDF: 45.4/37

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

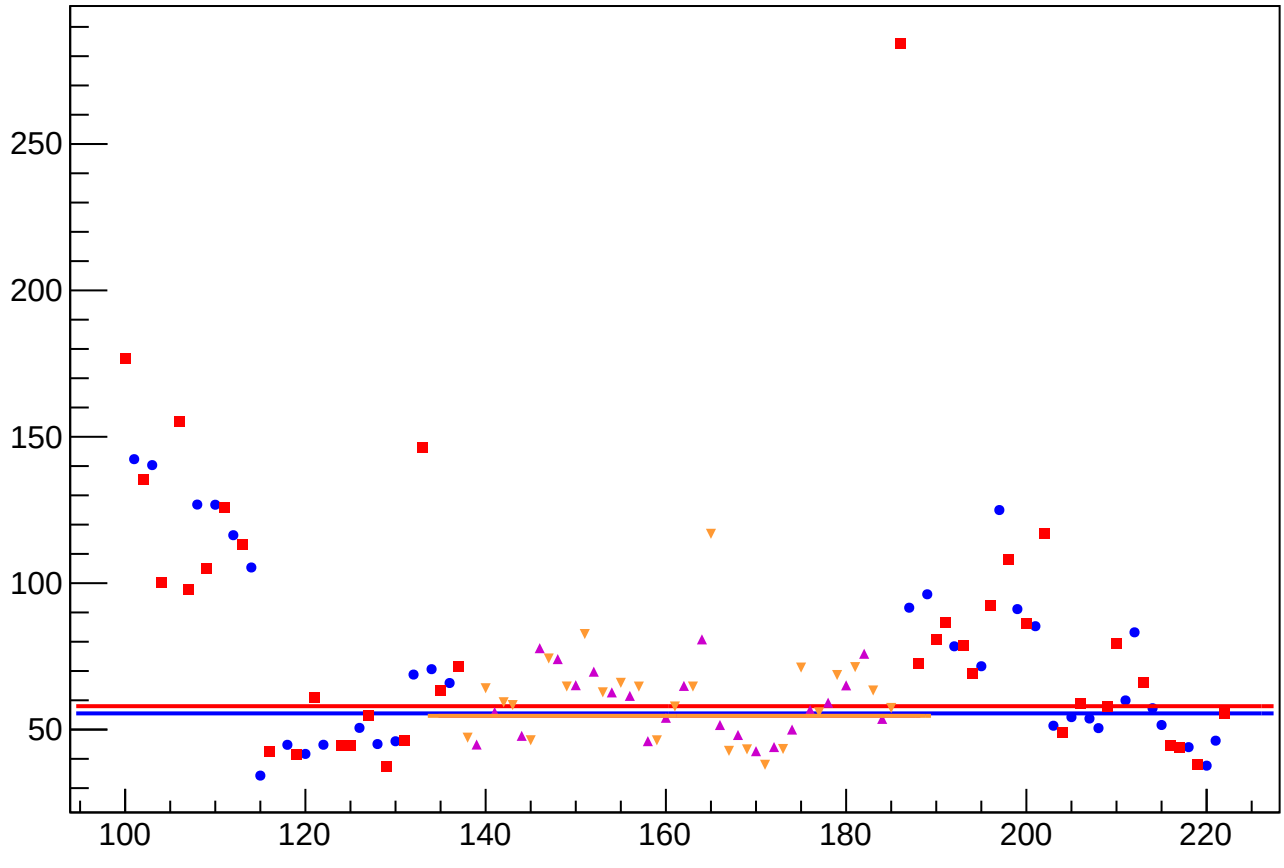
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.003+/-0.009 χ^2/NDF: 89.1/71

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.008+/-0.009 χ^2/NDF:82.3/62

All: 0.008+/-0.007 χ^2/NDF: 151.9/119



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: 57.986+/-0.010 χ^2/NDF: 5346819.8/37

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

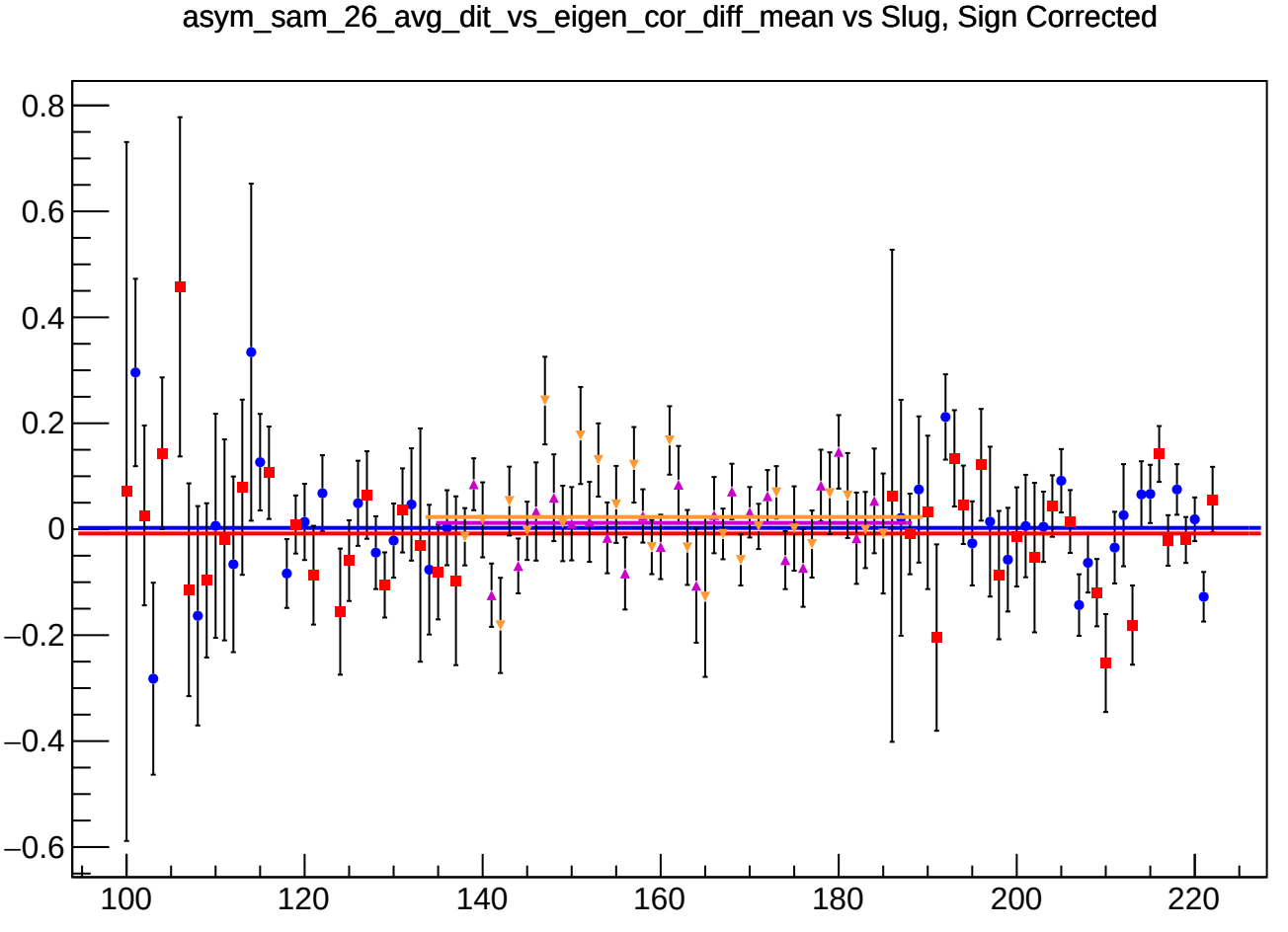
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.693+/-0.007 χ^2/NDF: 9751897.7/71

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.253+/-0.007 χ^2/NDF:7345230.1/62

All: 55.678+/-0.005 χ^2/NDF: 12925615.0/119



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: -0.008+/-0.014 χ^2/NDF: 45.4/37

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

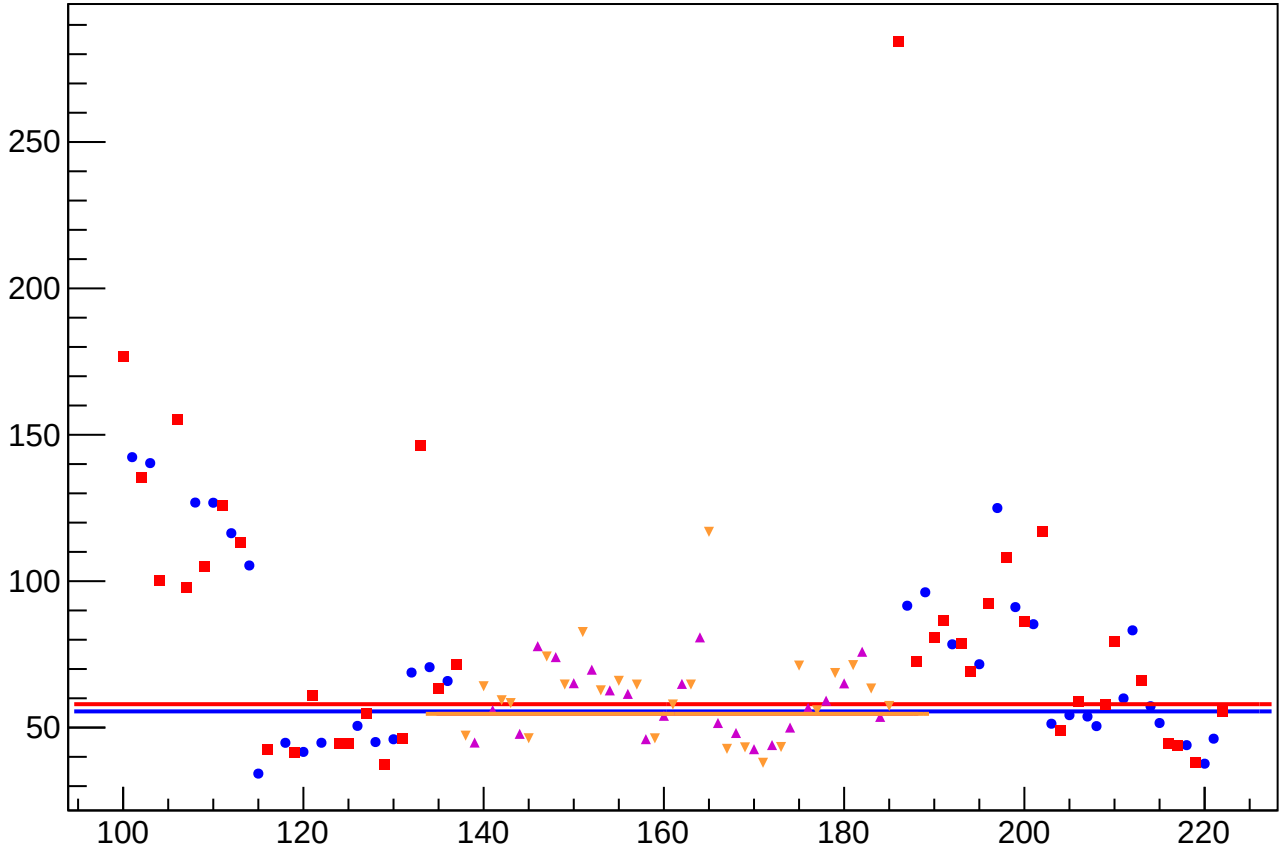
Right: -0.003+/-0.009 χ^2/NDF: 89.1/71

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.008+/-0.009 χ^2/NDF:82.3/62

All: 0.008+/-0.007 χ^2/NDF: 151.9/119

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: 57.986+/-0.010 χ^2/NDF: 5346819.8/37

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

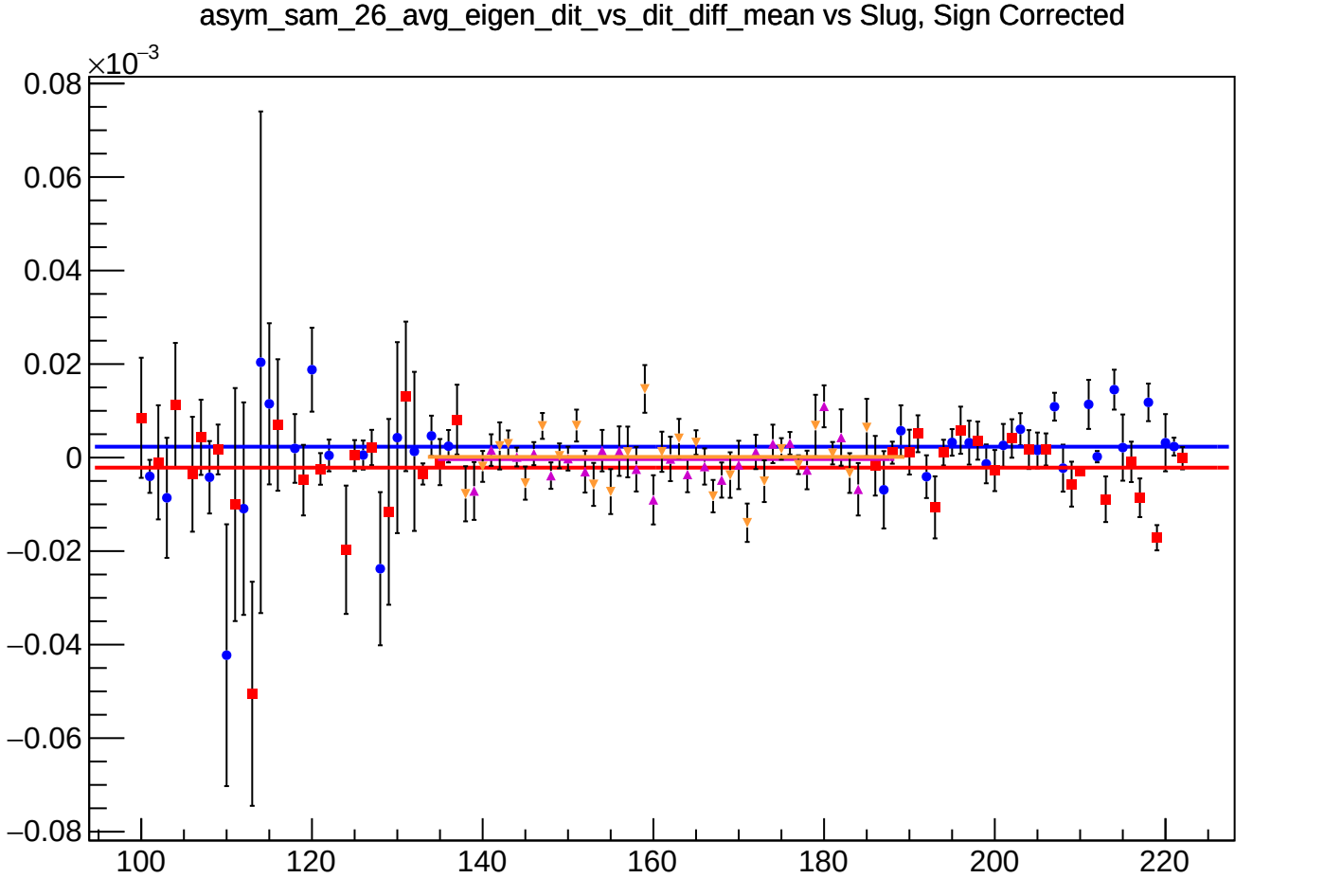
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.693+/-0.007 χ^2/NDF: 9751897.7/71

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.253+/-0.007 χ^2/NDF:7345230.1/62

All: 55.678+/-0.005 χ^2/NDF: 12925615.0/119



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: 69.6/37

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

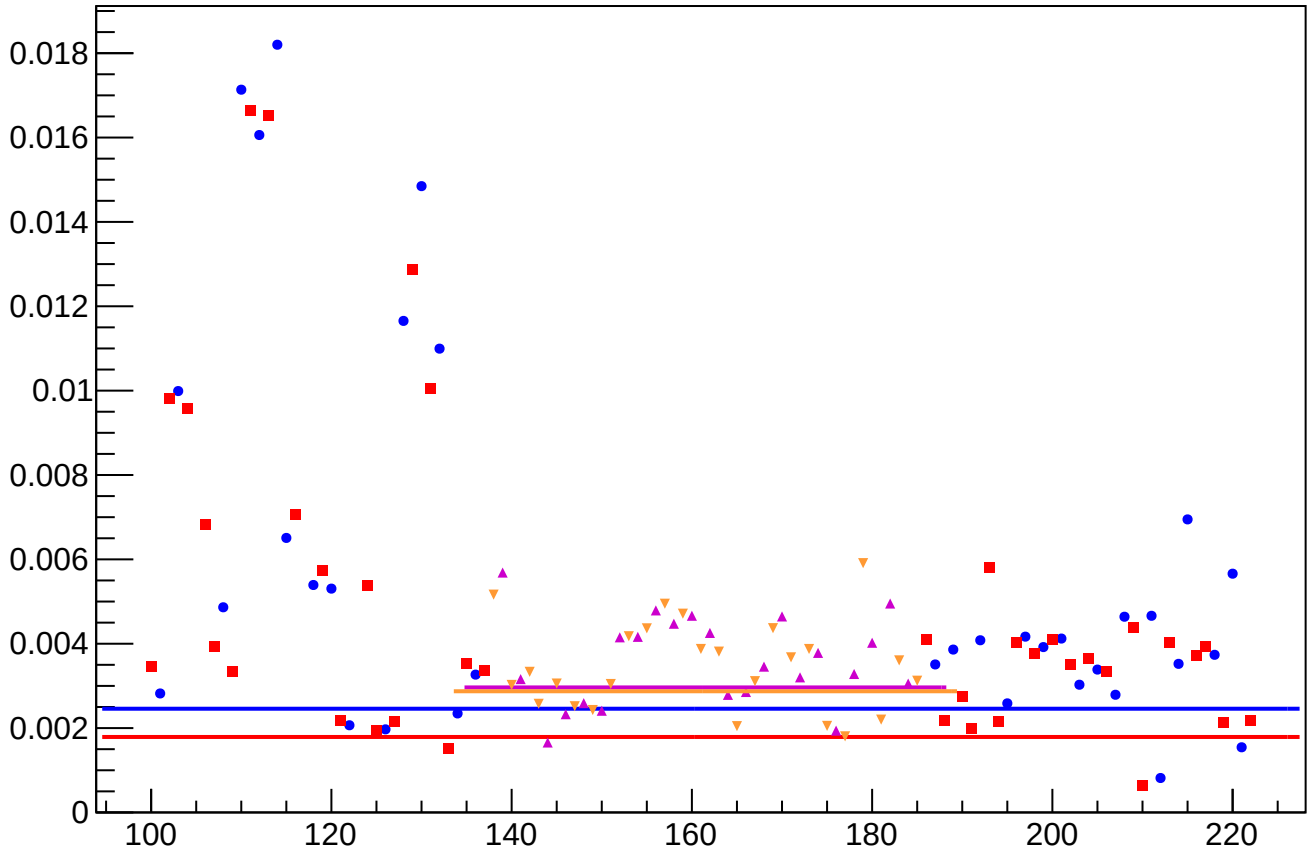
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 147.8/71

In: 0.000+/-0.000 χ^2/NDF:77.1/56

Out: -0.000+/-0.000 χ^2/NDF:130.5/62

All: -0.000+/-0.000 χ^2/NDF: 222.8/119



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: 16854374.0/37

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

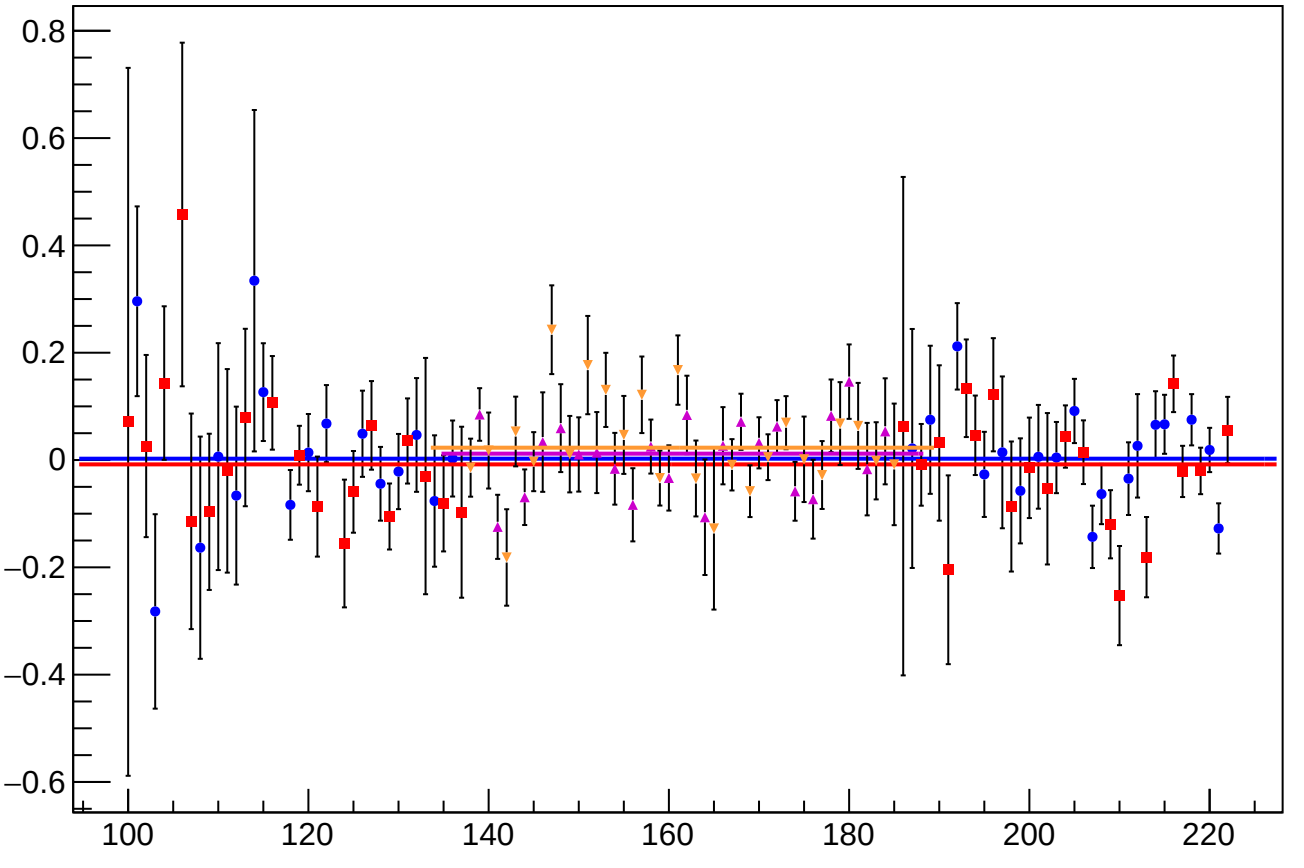
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 31081205.6/71

In: 0.003+/-0.000 χ^2/NDF:17072047.4/56

Out: 0.002+/-0.000 χ^2/NDF:23621496.2/62

All: 0.002+/-0.000 χ^2/NDF: 41922627.8/119



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: -0.008+/-0.014 χ^2/NDF: 45.4/37

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

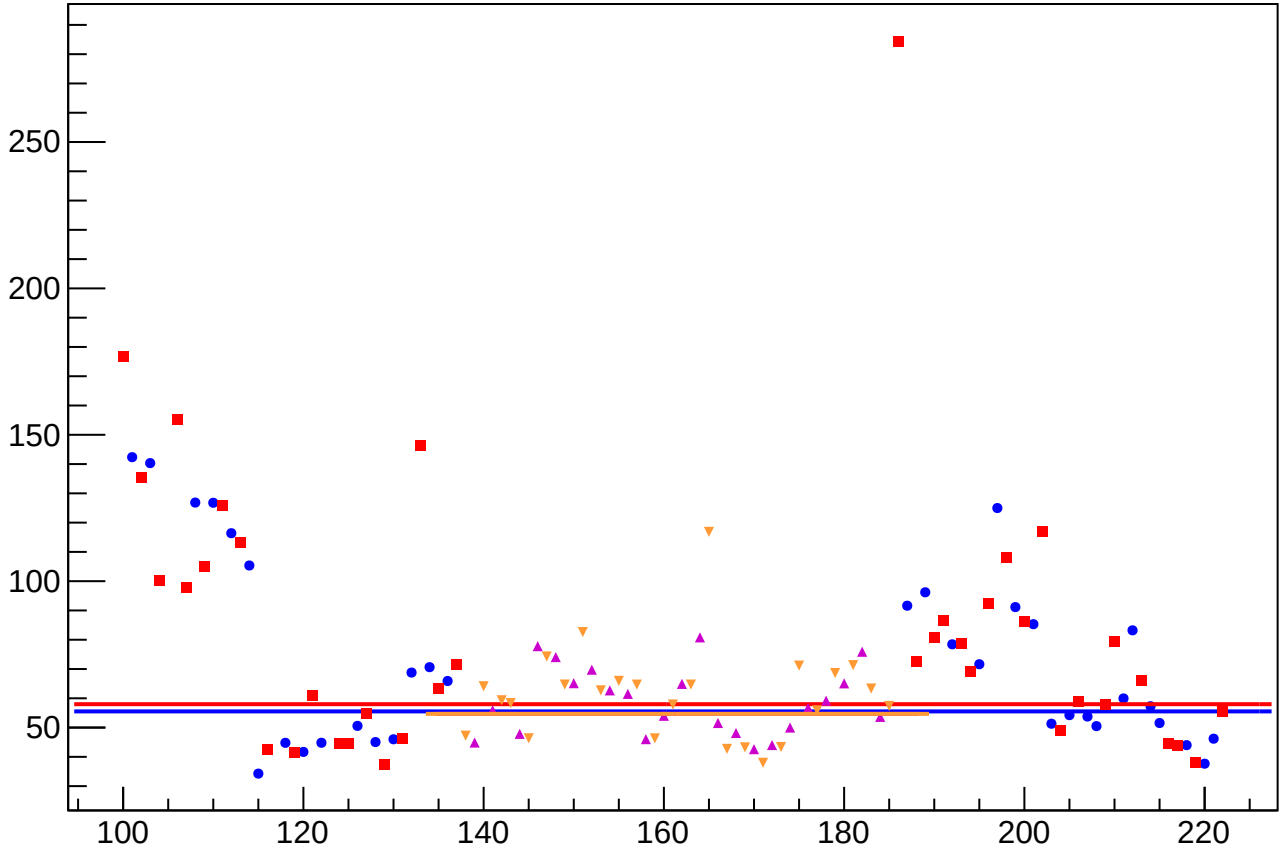
Right: -0.003+/-0.009 χ^2/NDF: 89.1/71

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.008+/-0.009 χ^2/NDF:82.3/62

All: 0.008+/-0.007 χ^2/NDF: 151.9/119

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: 57.985+/-0.010 χ^2/NDF: 5346887.4/37

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

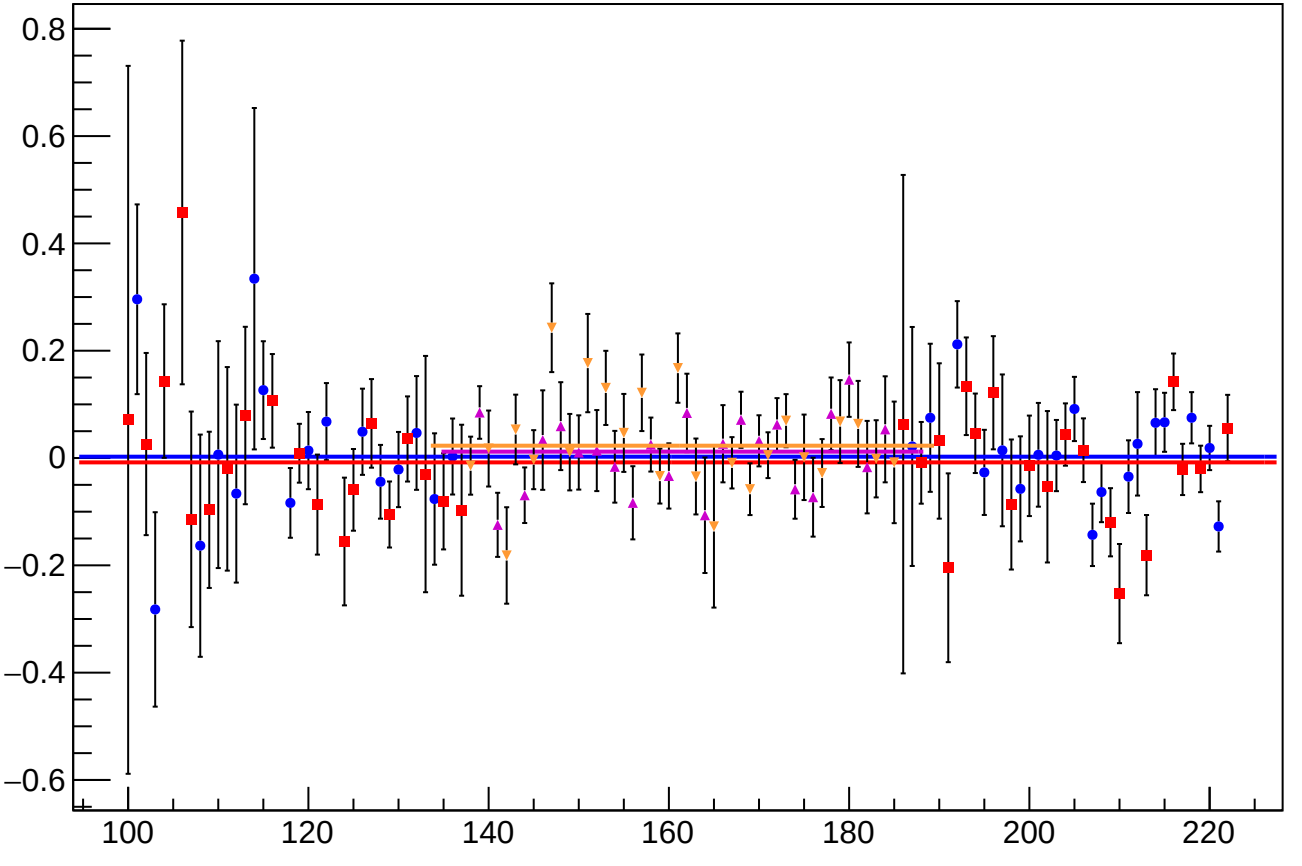
Right: 56.692+/-0.007 χ^2/NDF: 9751997.5/71

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.253+/-0.007 χ^2/NDF:7345259.1/62

All: 55.678+/-0.005 χ^2/NDF: 12925636.9/119

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: -0.008+/-0.014 χ^2/NDF: 45.4/37

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

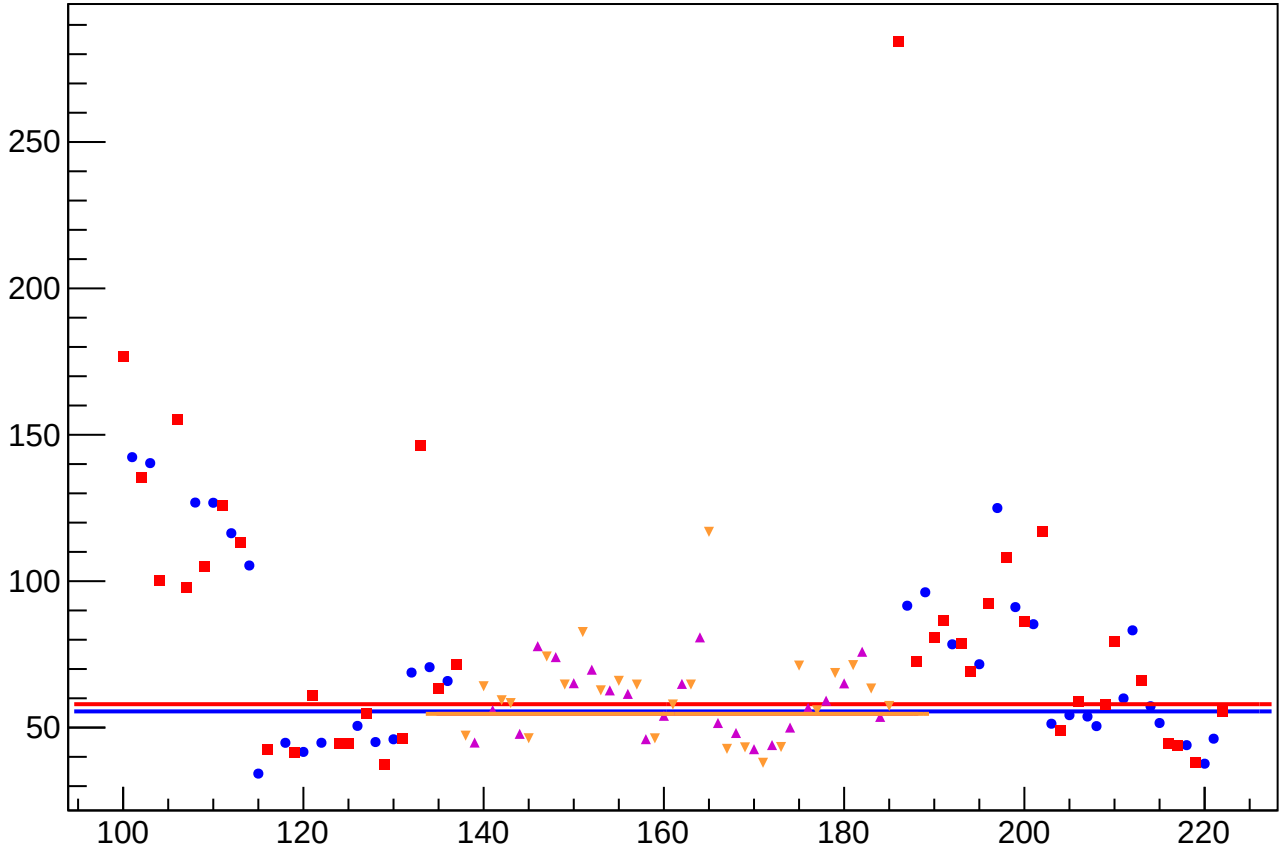
Right: -0.003+/-0.009 χ^2/NDF: 89.1/71

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.008+/-0.009 χ^2/NDF:82.3/62

All: 0.008+/-0.007 χ^2/NDF: 151.9/119

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: 57.985+/-0.010 χ^2/NDF: 5346887.4/37

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

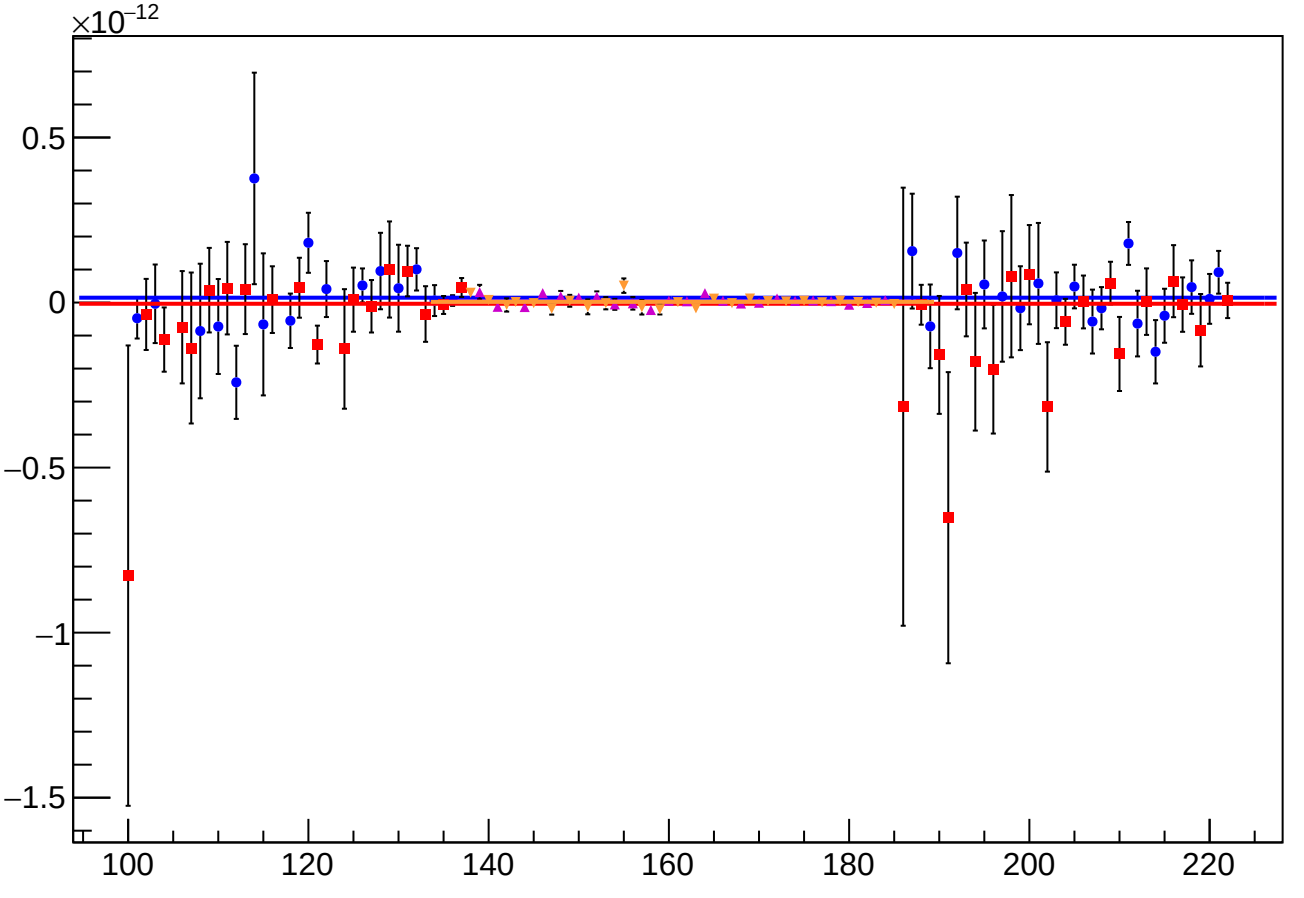
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.692+/-0.007 χ^2/NDF: 9751997.5/71

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.253+/-0.007 χ^2/NDF:7345259.1/62

All: 55.678+/-0.005 χ^2/NDF: 12925636.9/119



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: 26.8/37

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

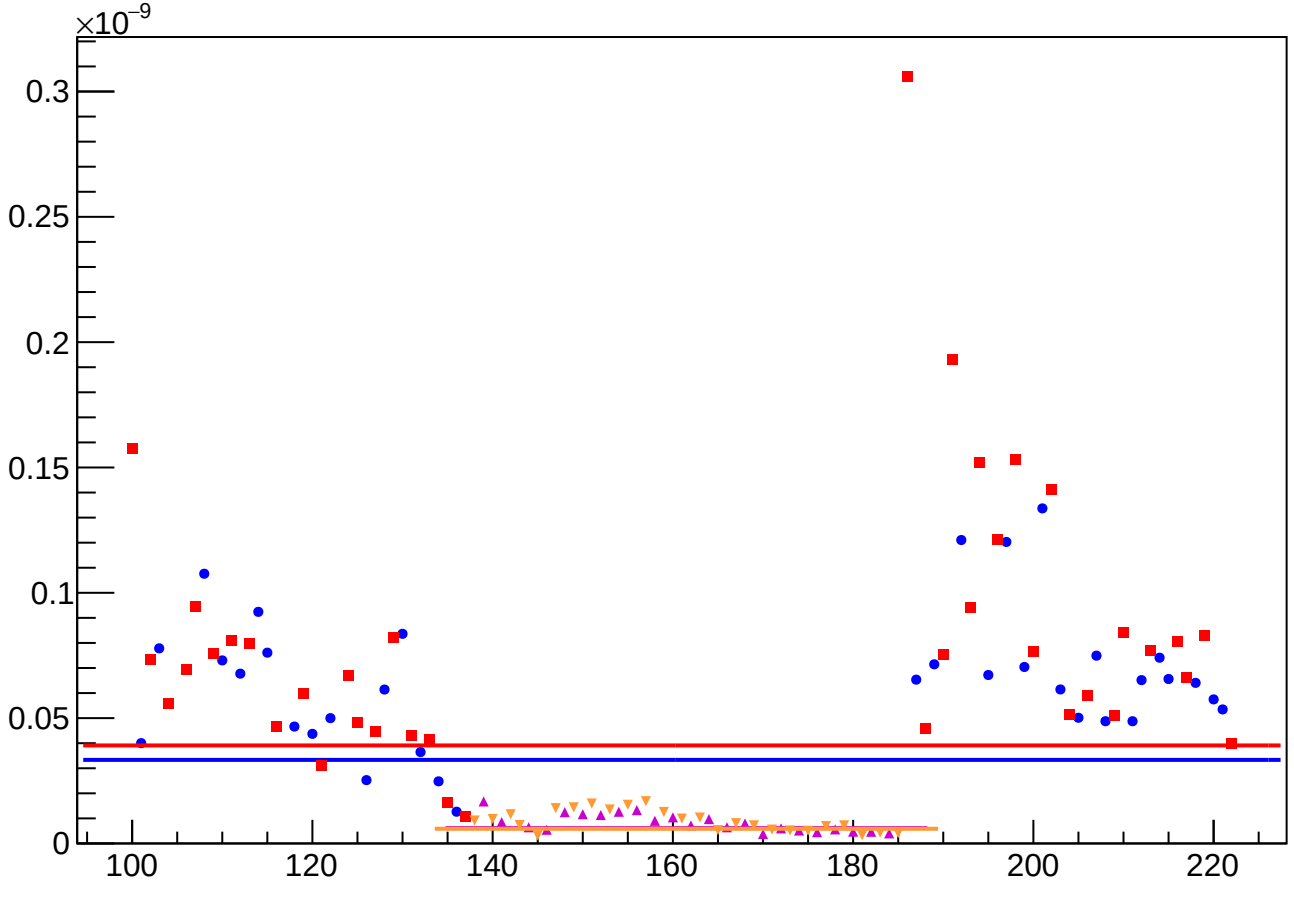
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/71

In: 0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:47.7/62

All: 0.000+/-0.000 χ^2/NDF: 112.8/119



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: 9506205.6/37

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

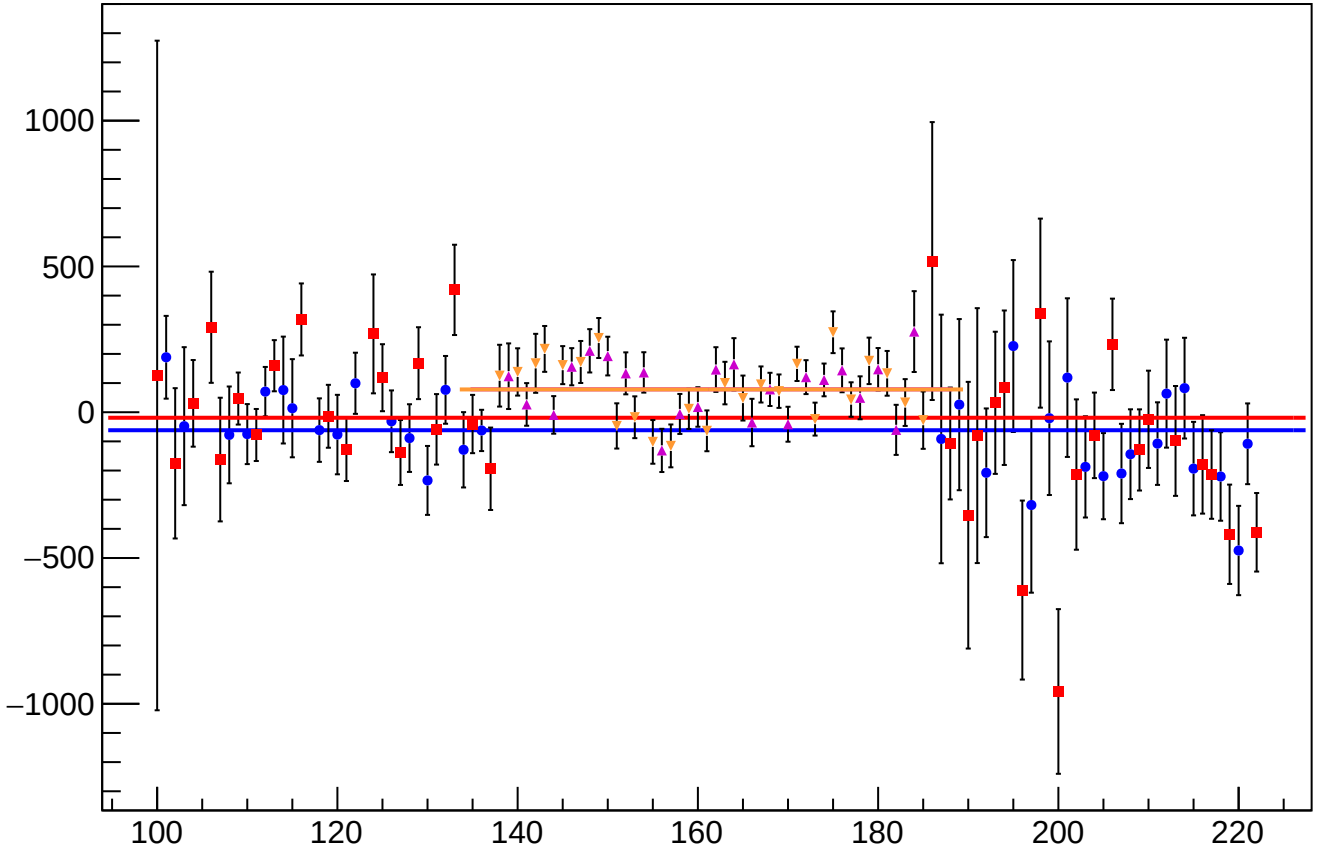
Right: 0.000+/-0.000 χ^2/NDF: 19323223.5/71

In: 0.000+/-0.000 χ^2/NDF:24610360.7/56

Out: 0.000+/-0.000 χ^2/NDF:28267987.7/62

All: 0.000+/-0.000 χ^2/NDF: 52919373.0/119

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: -18.940+/-24.068 χ^2/NDF: 72.7/37

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

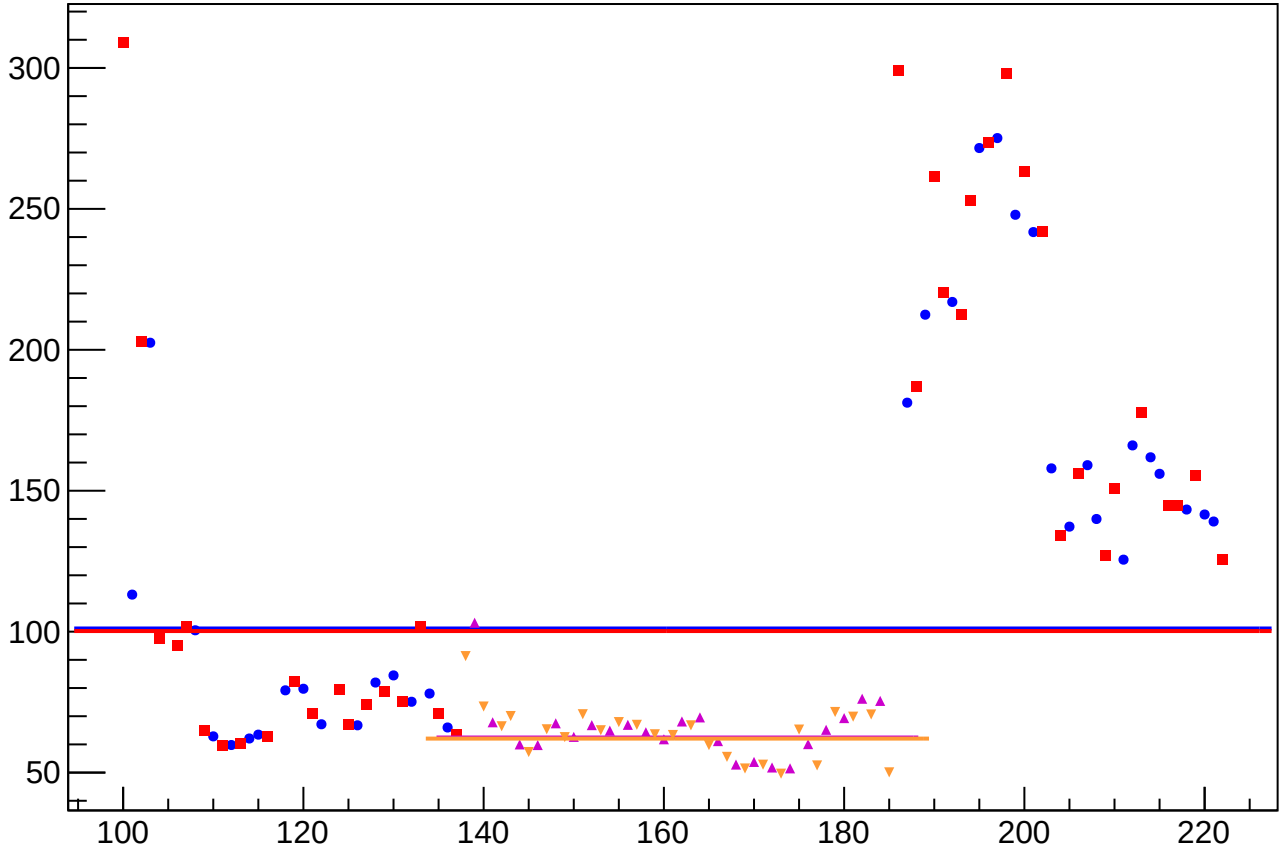
Right: -40.365+/-17.010 χ^2/NDF: 102.7/71

In: 39.926+/-12.611 χ^2/NDF:89.8/56

Out: 52.757+/-12.310 χ^2/NDF:138.6/62

All: 46.496+/-8.809 χ^2/NDF: 228.9/119

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 101.124+/-0.017 χ^2/NDF: 7867676.4/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 100.218+/-0.017 χ^2/NDF: 9102436.1/37

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

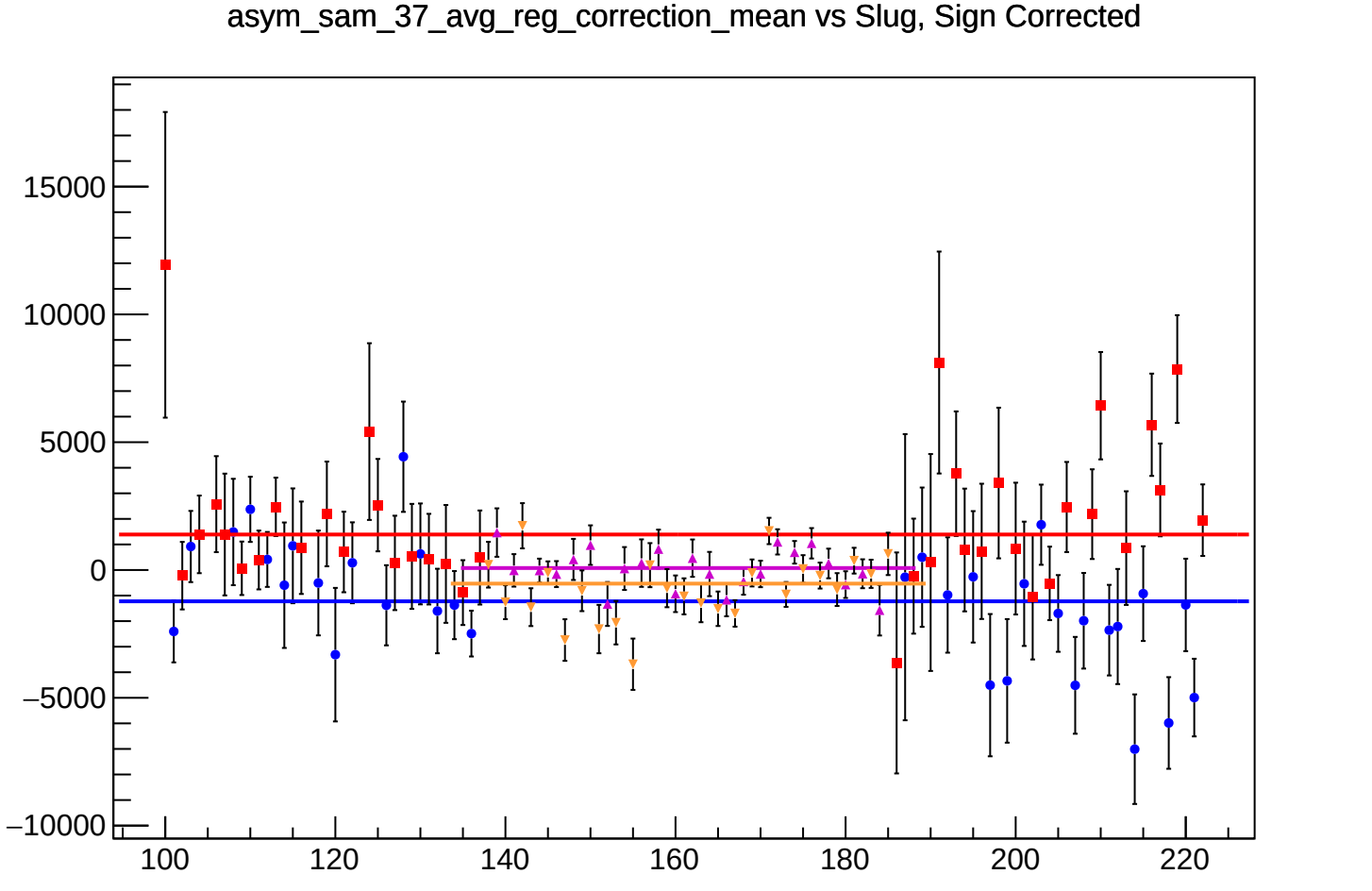
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 100.671+/-0.012 χ^2/NDF: 16971533.1/71

In: 73.085+/-0.009 χ^2/NDF:12284112.4/56

Out: 72.044+/-0.009 χ^2/NDF:13500522.6/62

All: 72.552+/-0.006 χ^2/NDF: 25791606.1/119



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: 1388.315+/-296.927 χ^2/NDF: 45.2/37

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

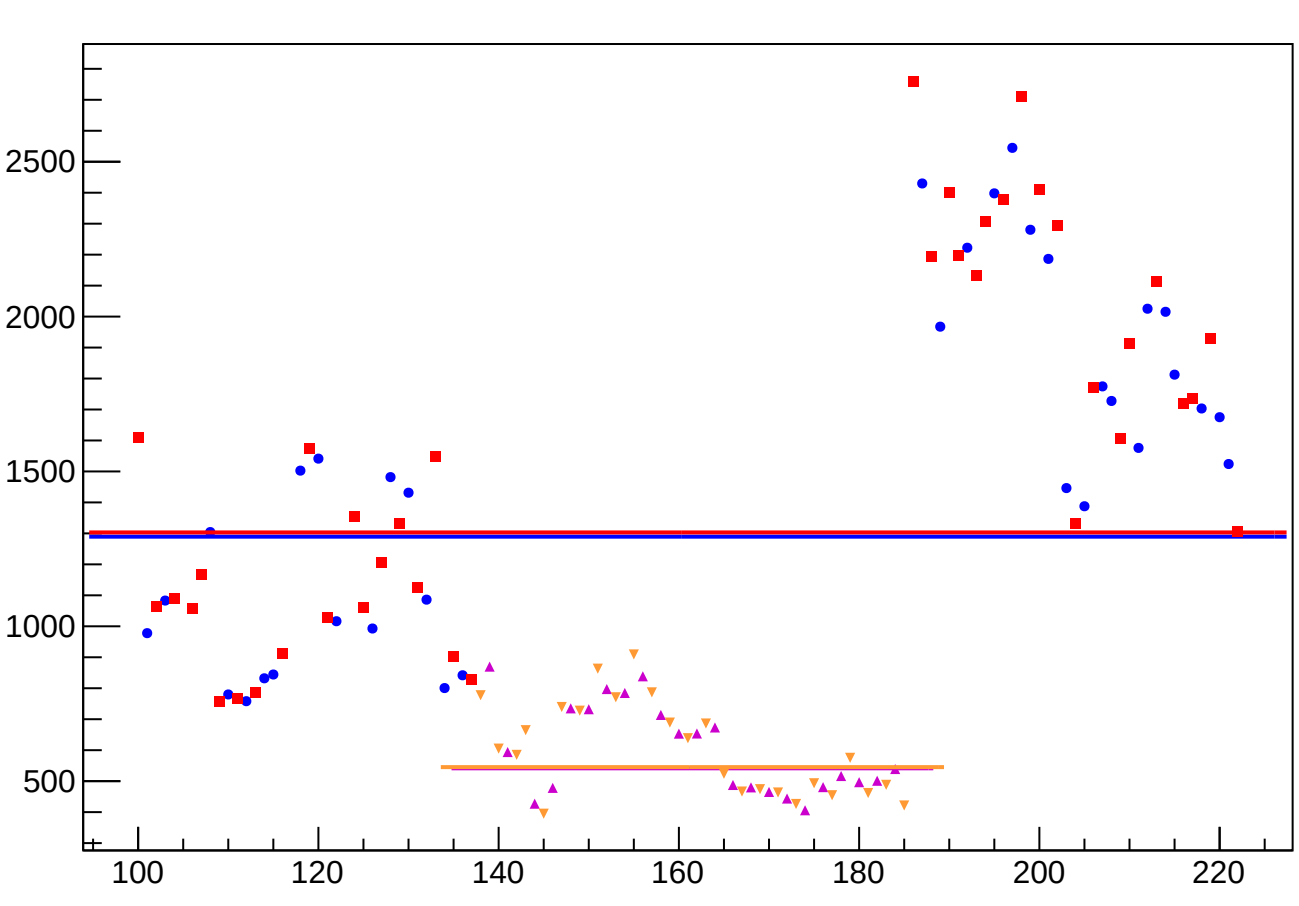
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 67.977+/-208.855 χ^2/NDF: 143.8/71

In: -136.677+/-119.127 χ^2/NDF:104.3/56

Out: -232.015+/-117.487 χ^2/NDF:149.6/62

All: -185.007+/-83.649 χ^2/NDF: 254.2/119



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: 1303.117+/-0.210 χ^2/NDF: 5979433.7/37

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

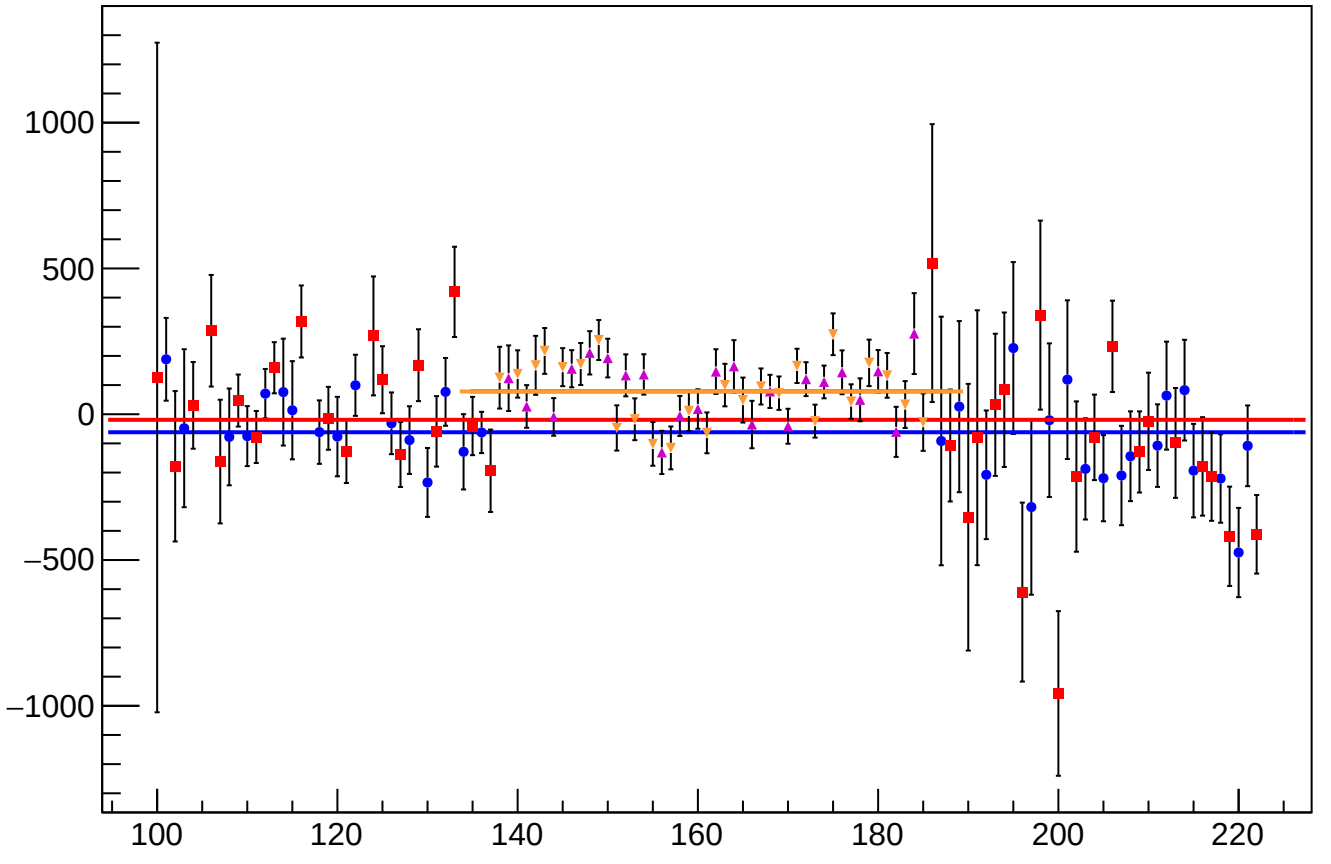
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1296.214+/-0.148 χ^2/NDF: 11214701.3/71

In: 664.407+/-0.084 χ^2/NDF:17904004.0/56

Out: 663.946+/-0.083 χ^2/NDF:19050905.2/62

All: 664.173+/-0.059 χ^2/NDF: 36954924.3/11



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: -19.090+/-24.069 χ^2/NDF: 72.6/37

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

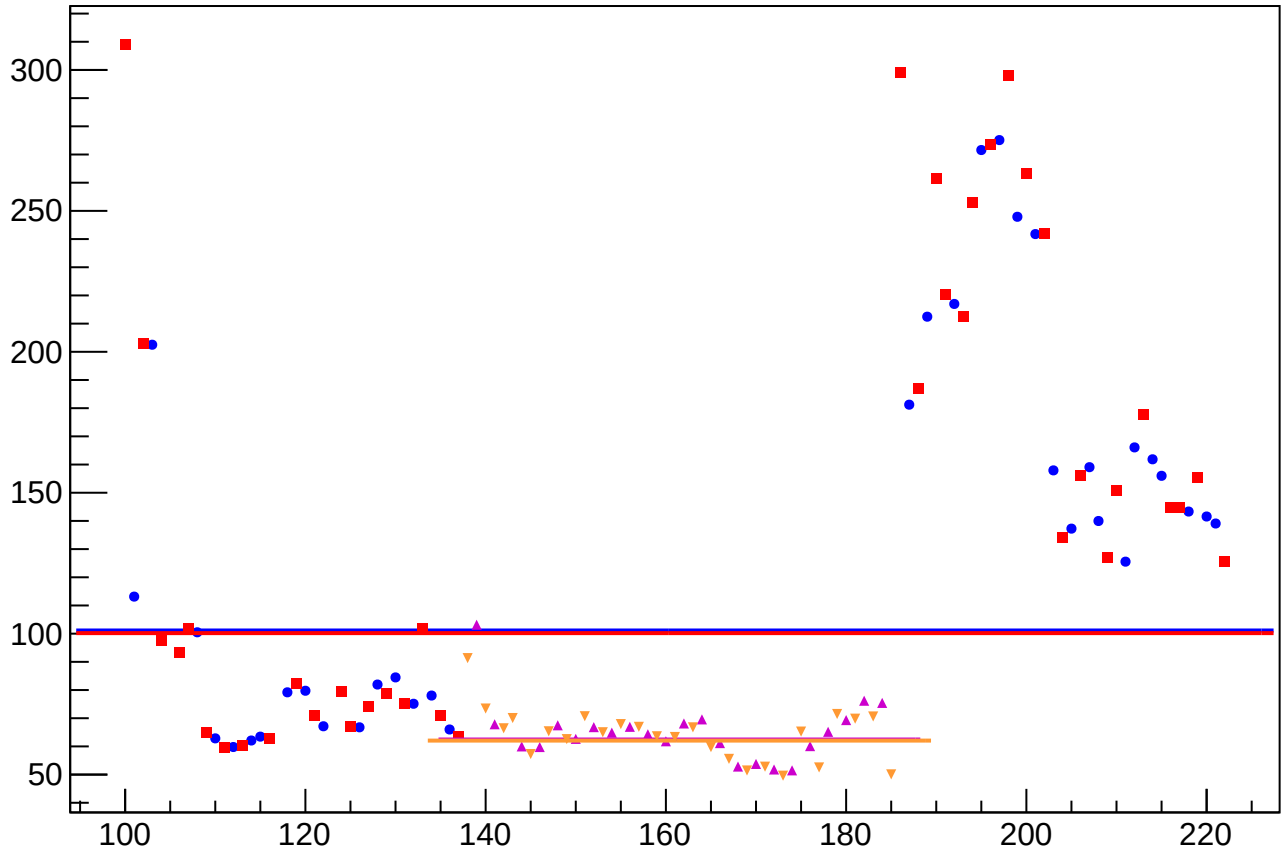
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -40.445+/-17.011 χ^2/NDF: 102.6/71

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 52.723+/-12.310 χ^2/NDF:138.5/62

All: 46.478+/-8.809 χ^2/NDF: 228.8/119



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 100.192+/-0.017 χ^2/NDF: 9103765.0/37

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

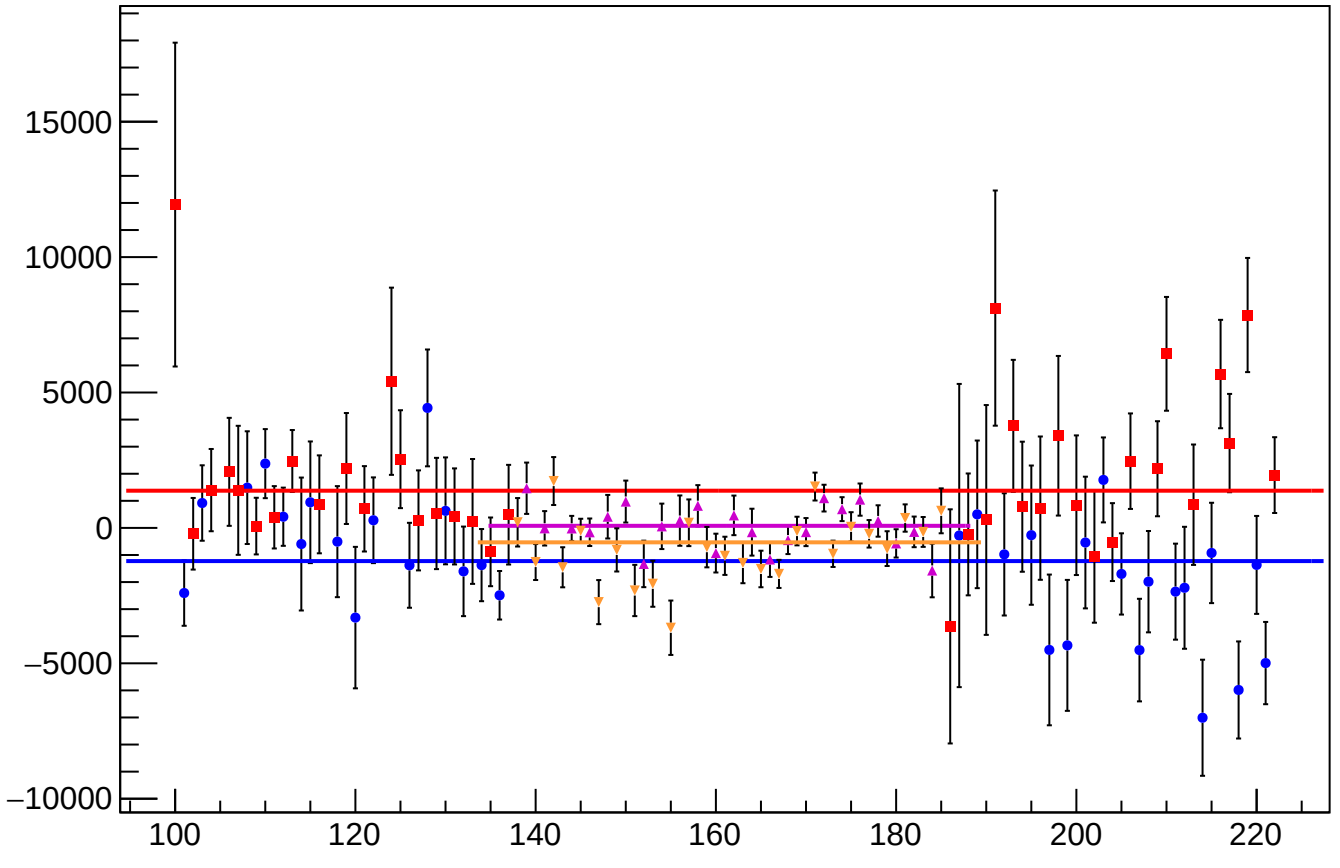
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.658+/-0.012 χ^2/NDF: 16972947.4/71

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 72.036+/-0.009 χ^2/NDF:13496373.1/62

All: 72.548+/-0.006 χ^2/NDF: 25787564.7/119



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: 1374.193+/-297.360 χ^2/NDF: 44.9/37

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

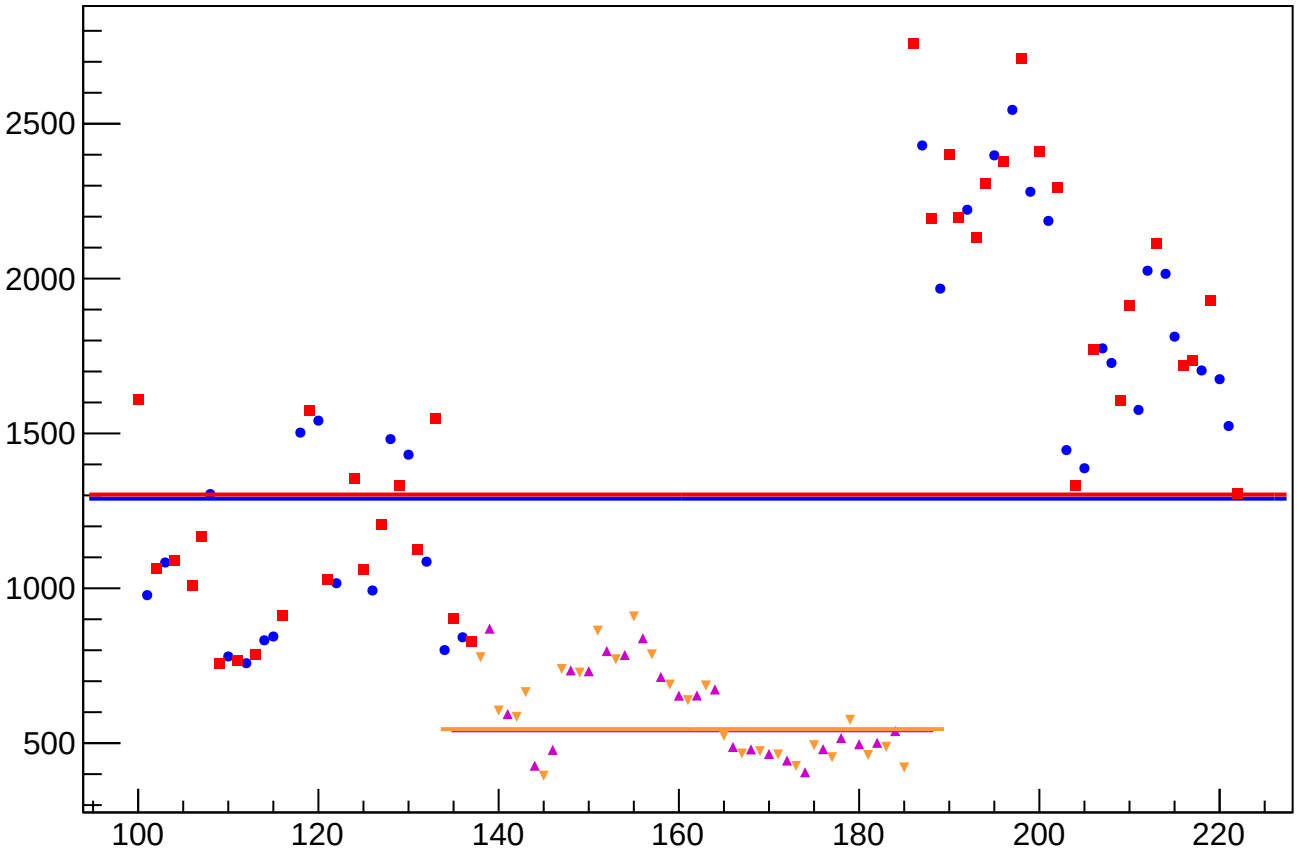
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 59.104+/-209.006 χ^2/NDF: 143.1/71

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -234.956+/-117.513 χ^2/NDF:148.7/62

All: -186.486+/-83.659 χ^2/NDF: 253.3/119



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: 1302.802+/-0.210 χ^2/NDF: 5988099.6/37

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

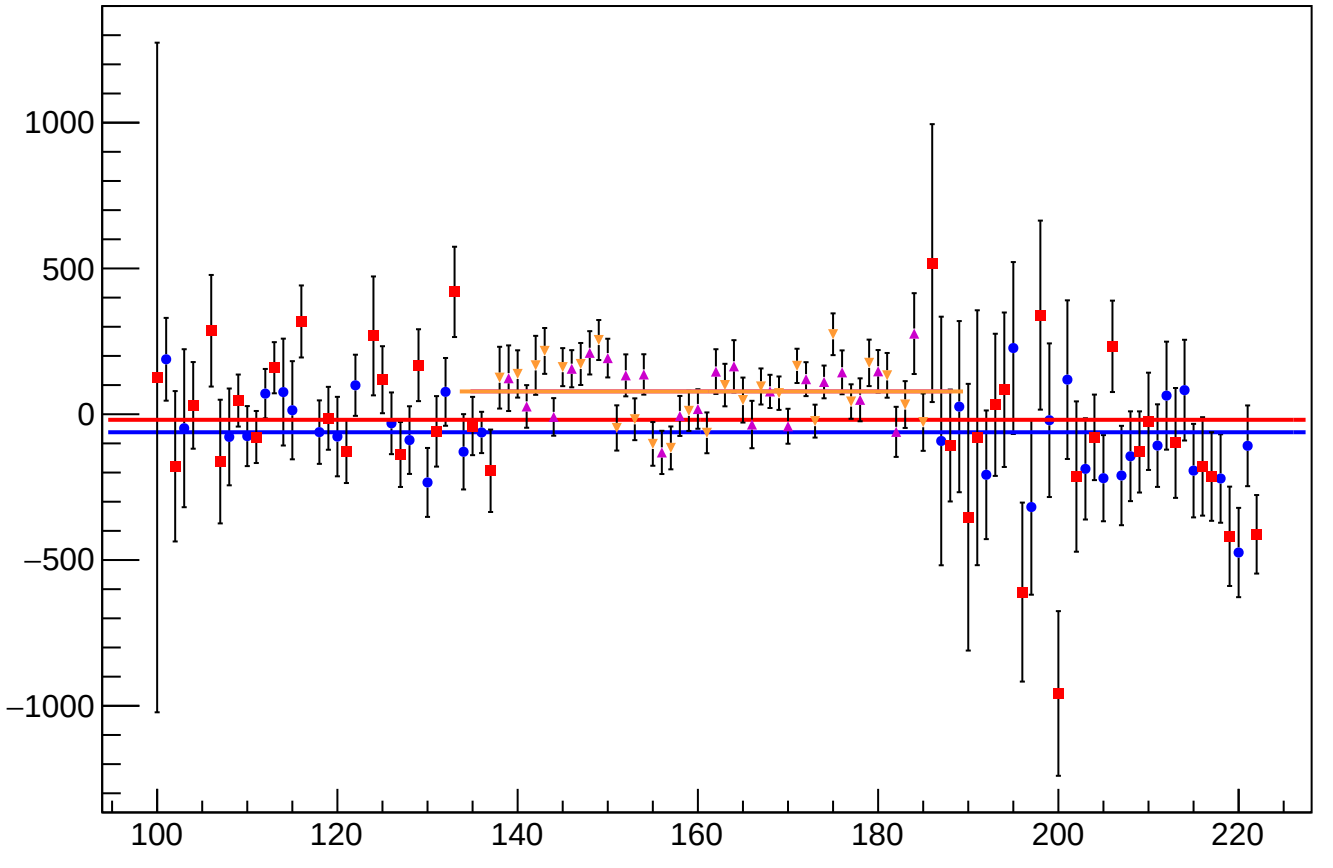
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1296.051+/-0.148 χ^2/NDF: 11223216.1/71

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 663.606+/-0.083 χ^2/NDF:19023486.6/62

All: 664.001+/-0.059 χ^2/NDF: 36927592.3/11



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: -19.090+/-24.069 χ^2/NDF: 72.6/37

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

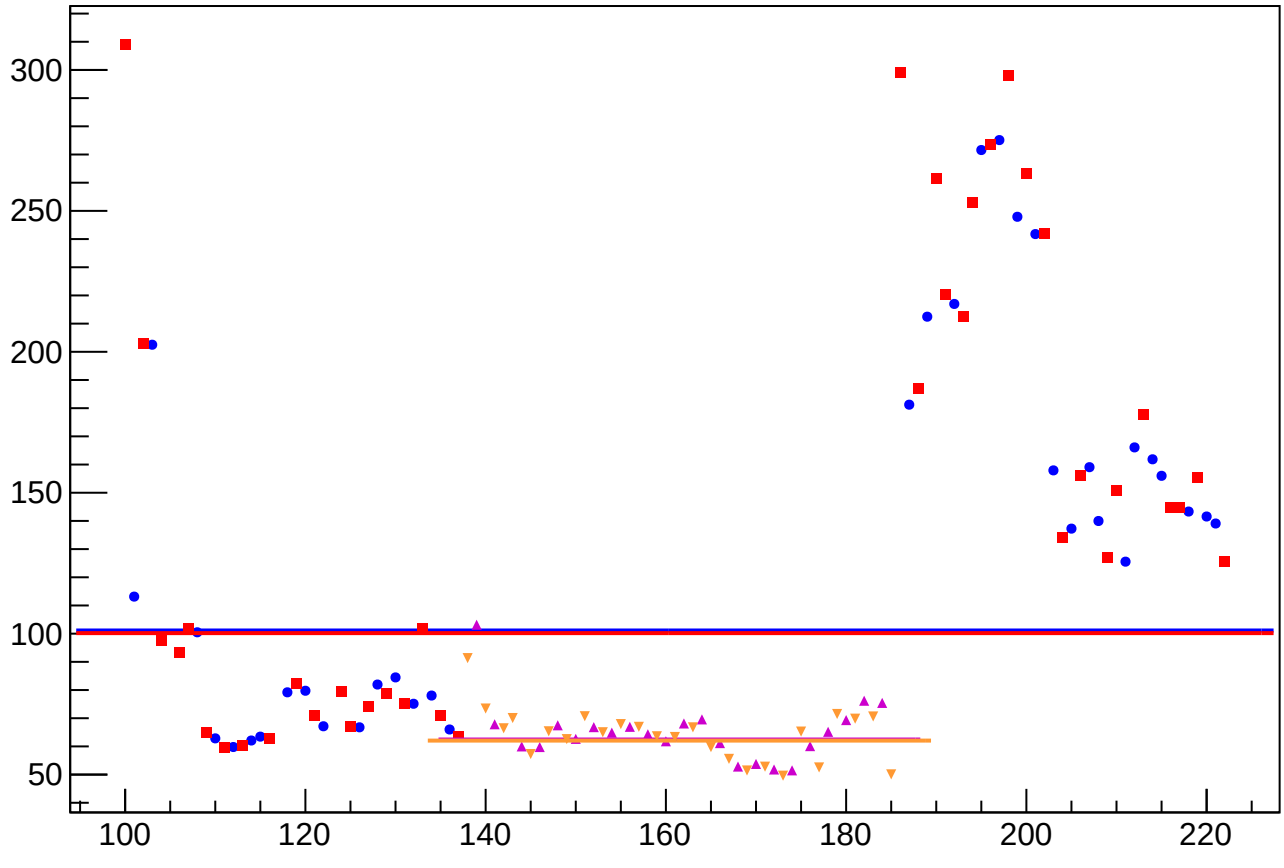
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -40.445+/-17.011 χ^2/NDF: 102.6/71

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 52.723+/-12.310 χ^2/NDF:138.5/62

All: 46.478+/-8.809 χ^2/NDF: 228.8/119



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 100.192+/-0.017 χ^2/NDF: 9103765.0/37

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

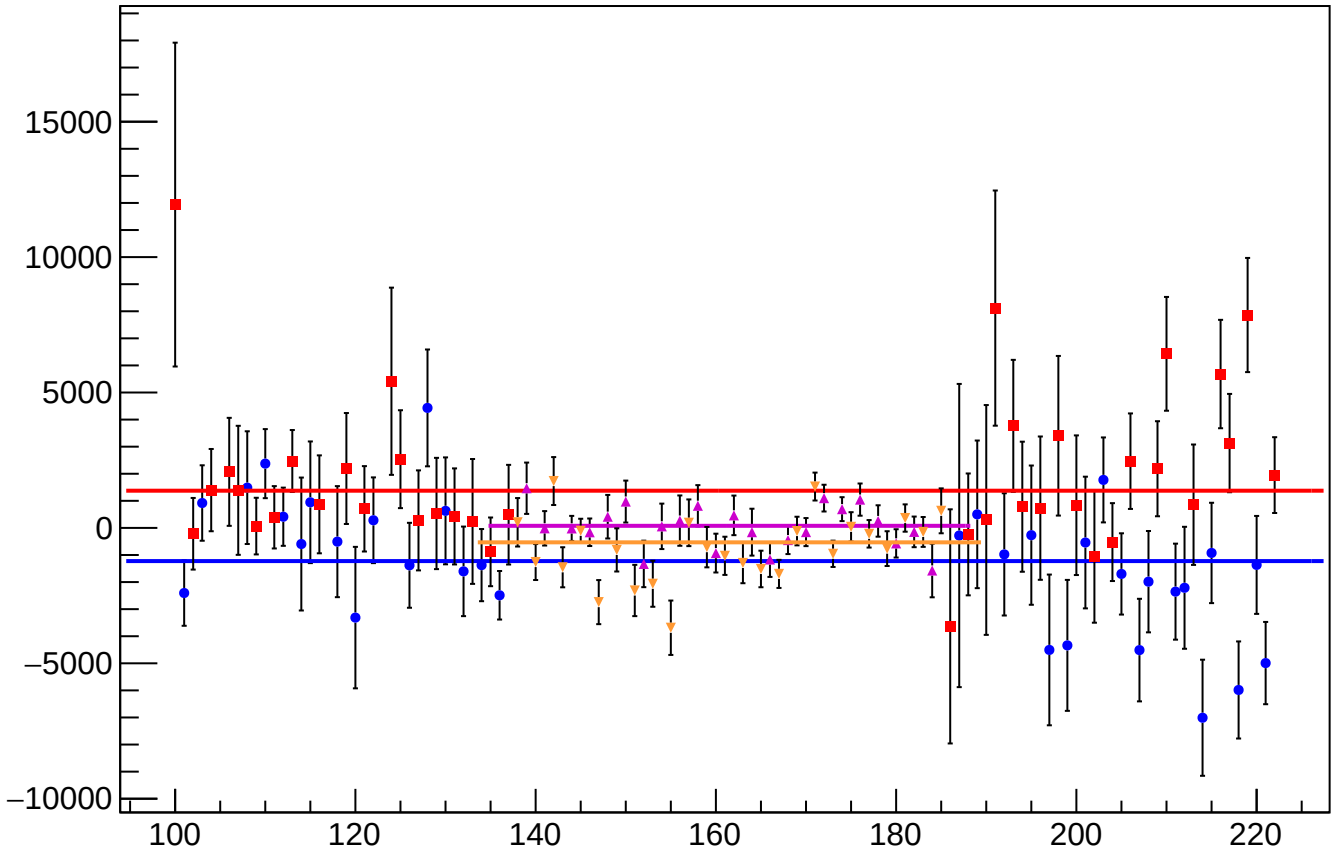
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.658+/-0.012 χ^2/NDF: 16972947.4/71

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 72.036+/-0.009 χ^2/NDF:13496373.1/62

All: 72.548+/-0.006 χ^2/NDF: 25787564.7/119



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: 1374.193+/-297.360 χ^2/NDF: 44.9/37

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

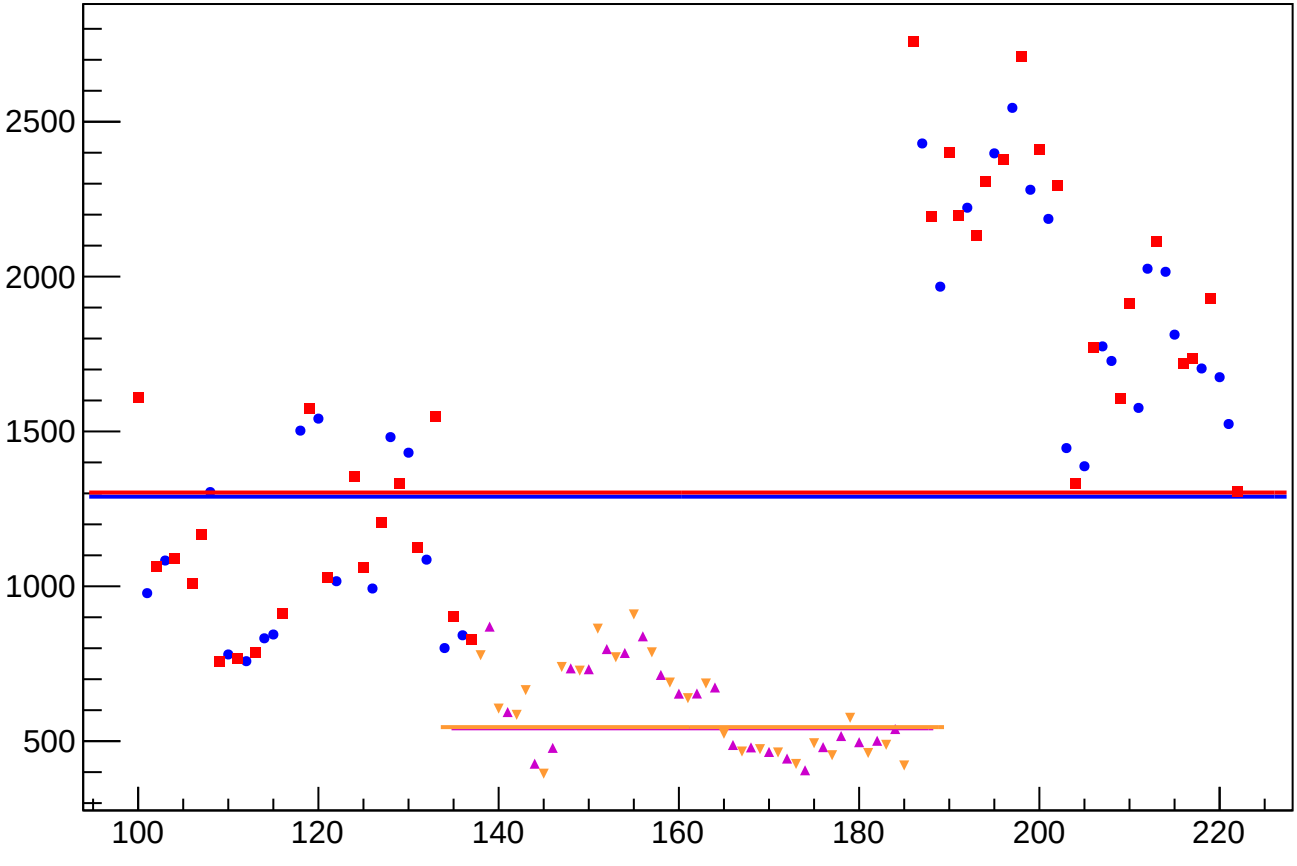
Right: 59.104+/-209.006 χ^2/NDF: 143.1/71

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -234.956+/-117.513 χ^2/NDF:148.7/62

All: -186.486+/-83.659 χ^2/NDF: 253.3/119

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1289.460+/-0.208 χ^2/NDF: 5233079.3/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.802+/-0.210 χ^2/NDF: 5988099.6/37

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

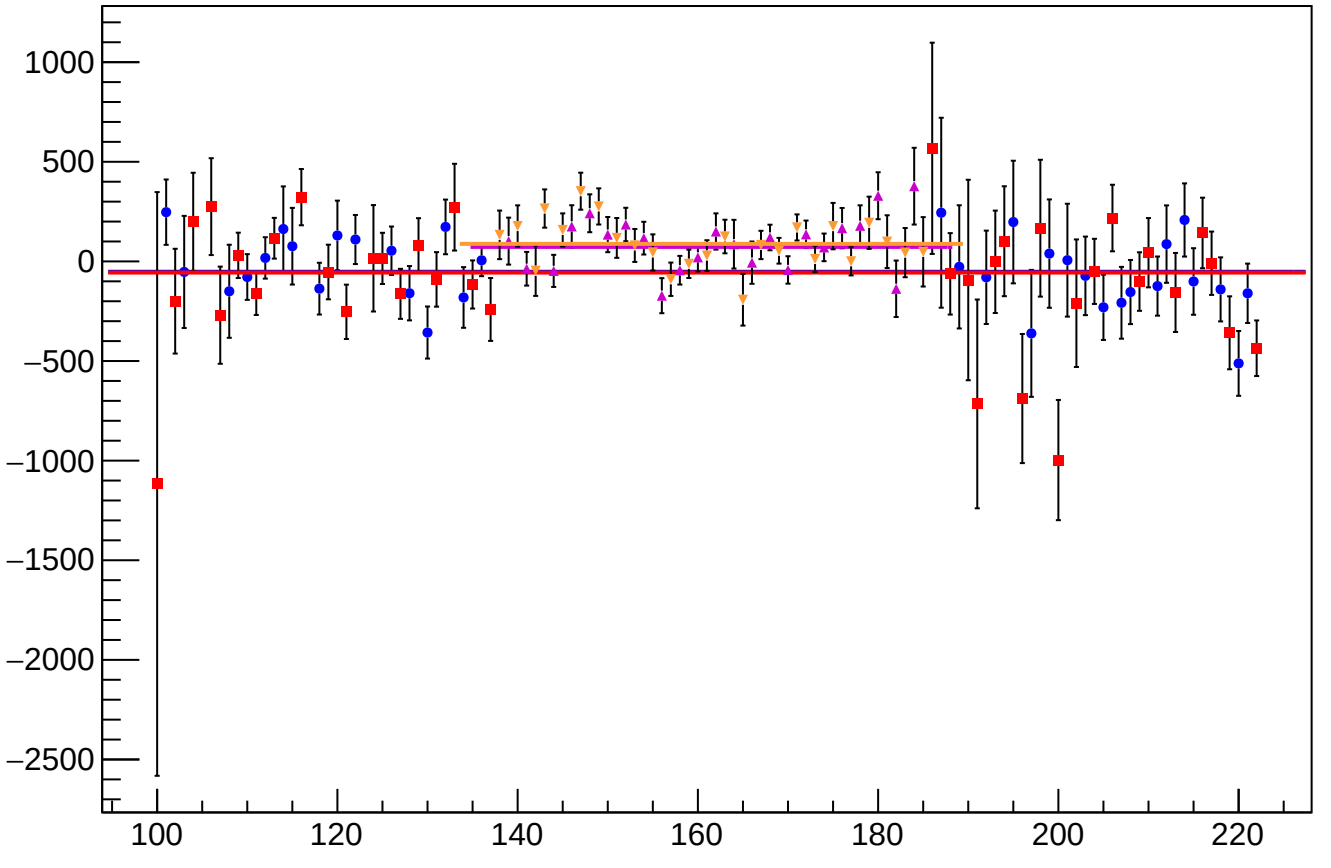
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1296.051+/-0.148 χ^2/NDF: 11223216.1/71

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 663.606+/-0.083 χ^2/NDF:19023486.6/62

All: 664.001+/-0.059 χ^2/NDF: 36927592.3/11



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: -55.961+/-27.797 χ^2/NDF: 56.7/37

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

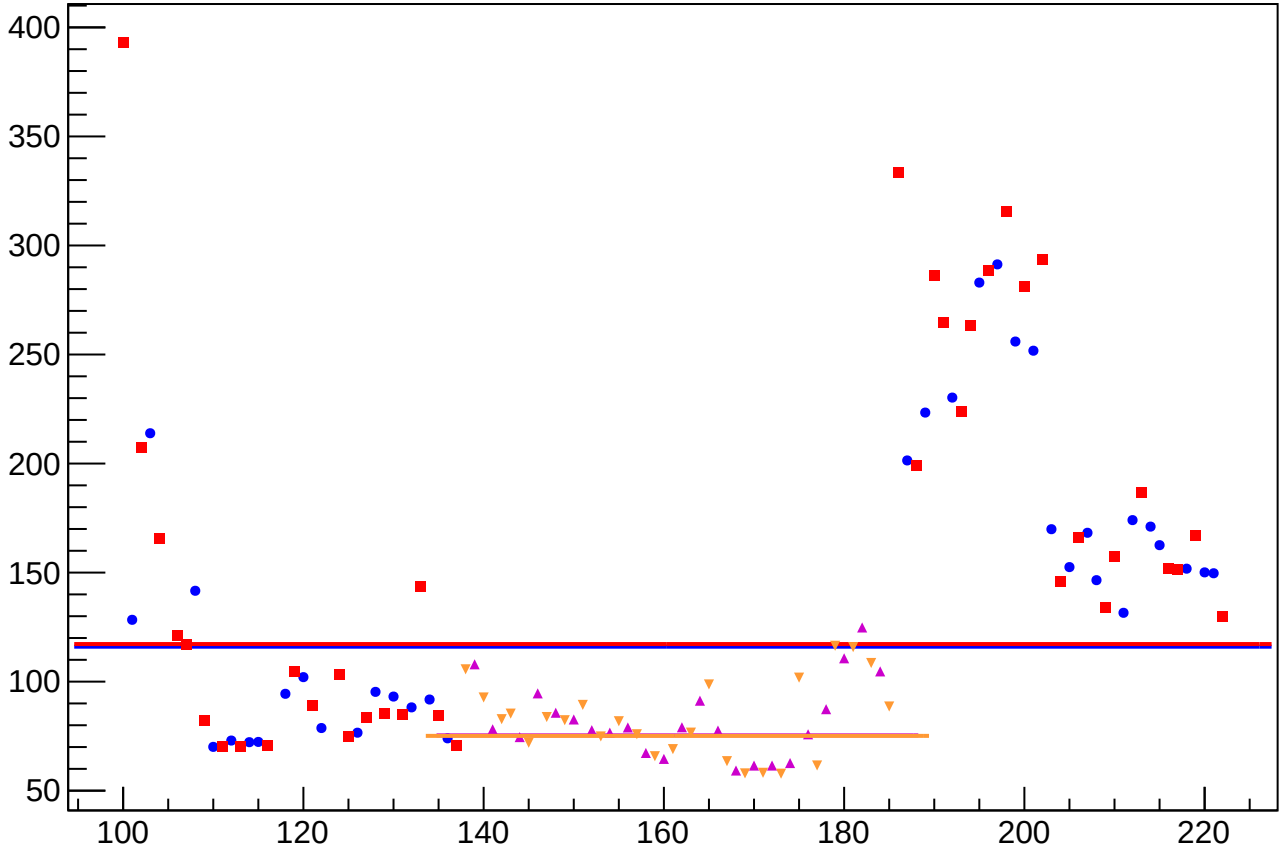
Right: -53.961+/-19.454 χ^2/NDF: 92.3/71

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 46.349+/-14.957 χ^2/NDF:112.7/62

All: 40.302+/-10.653 χ^2/NDF: 201.6/119

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 116.024+/-0.019 χ^2/NDF: 6662859.5/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 117.236+/-0.020 χ^2/NDF: 7949218.5/37

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

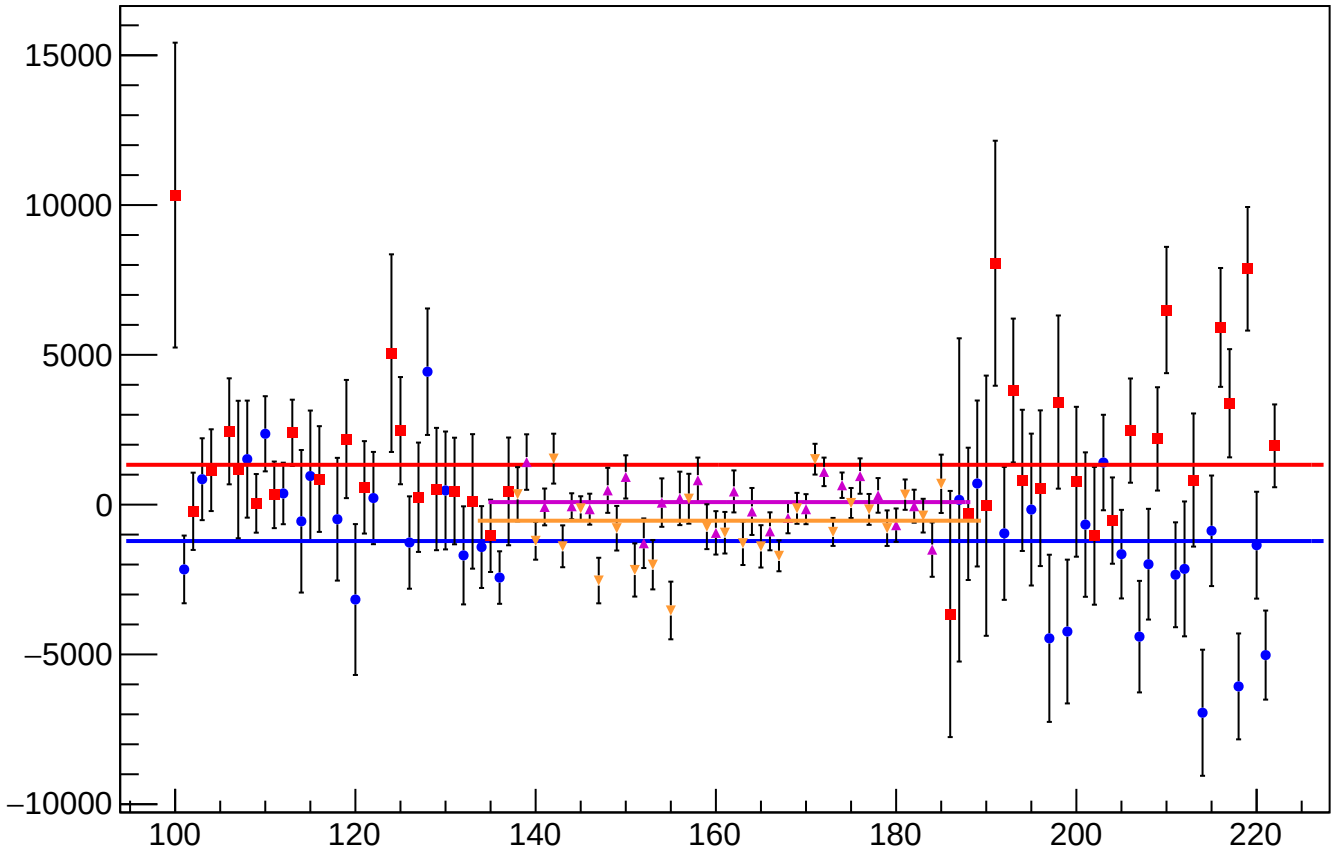
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 116.618+/-0.014 χ^2/NDF: 14614015.9/71

In: 87.987+/-0.011 χ^2/NDF:10961724.0/56

Out: 87.319+/-0.011 χ^2/NDF:12811307.7/62

All: 87.648+/-0.008 χ^2/NDF: 23774994.6/119



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: 1329.695+/-288.065 χ^2/NDF: 48.8/37

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

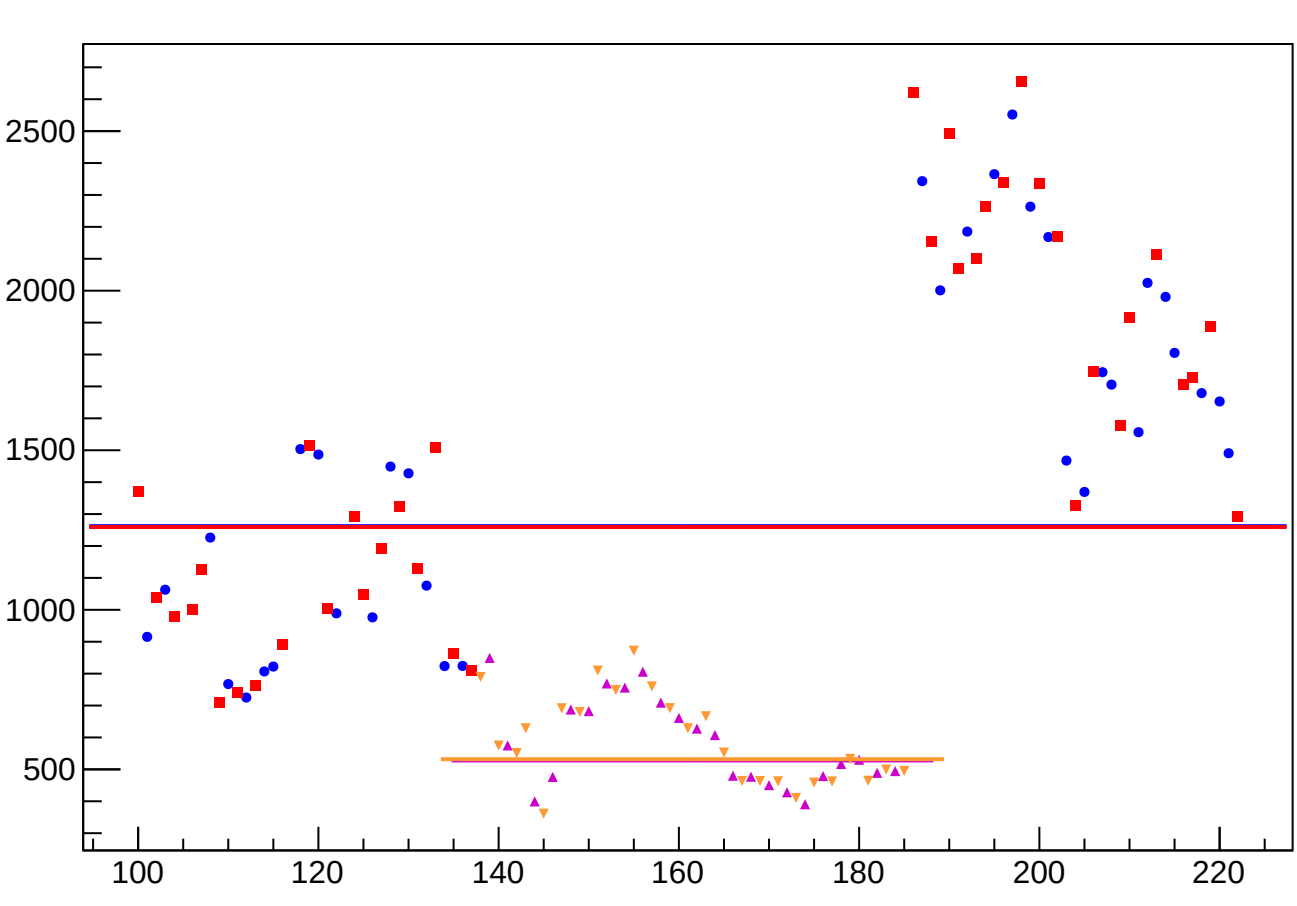
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 57.746+/-203.733 χ^2/NDF: 147.7/71

In: -126.841+/-116.245 χ^2/NDF:104.4/56

Out: -243.132+/-114.261 χ^2/NDF:151.2/62

All: -185.988+/-81.487 χ^2/NDF: 256.1/119



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: 1259.575+/-0.204 χ^2/NDF: 6283403.0/37

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

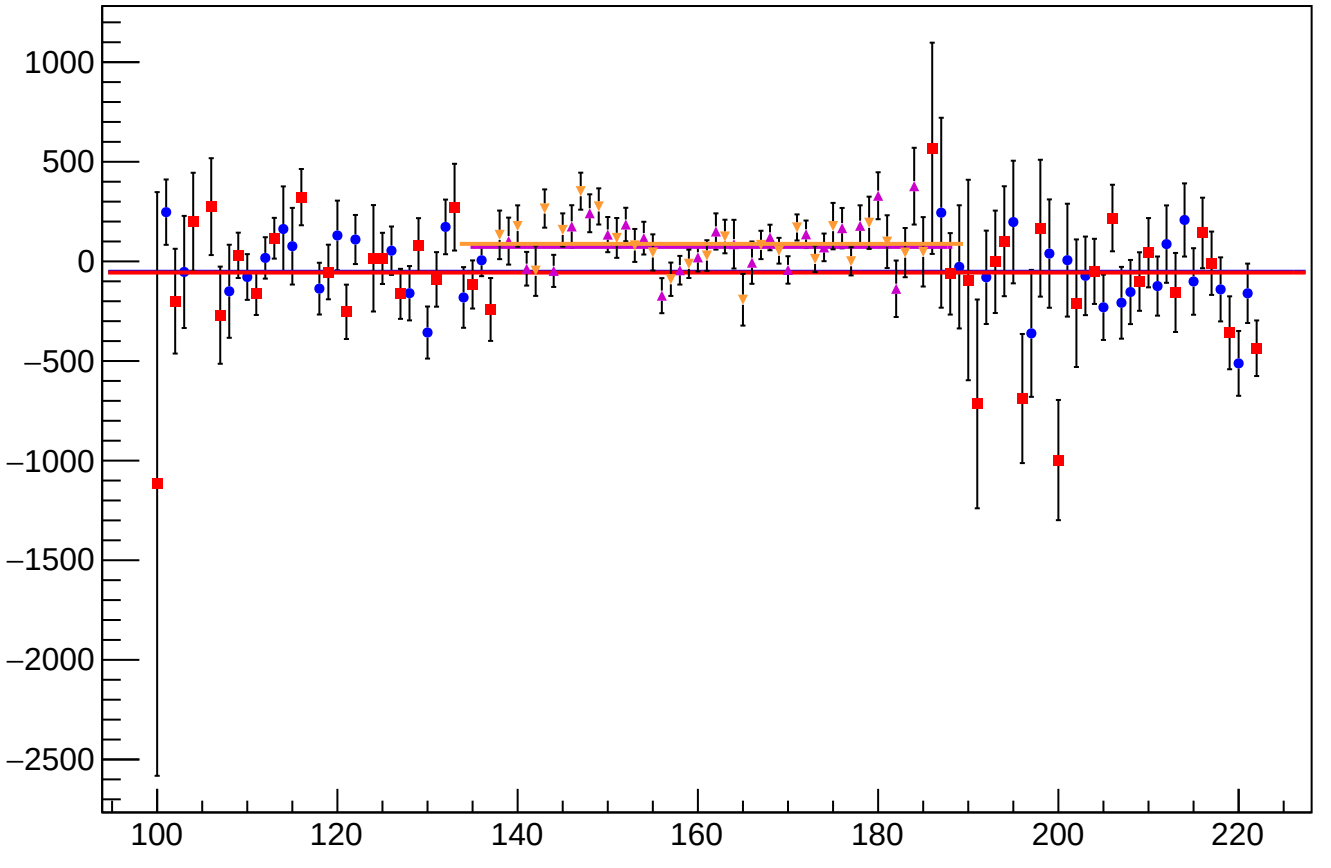
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1260.798+/-0.144 χ^2/NDF: 11708971.8/71

In: 647.424+/-0.082 χ^2/NDF:18090548.3/56

Out: 646.363+/-0.081 χ^2/NDF:19076268.6/62

All: 646.884+/-0.058 χ^2/NDF: 37166901.6/11



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: -55.964+/-27.797 χ^2/NDF: 56.7/37

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

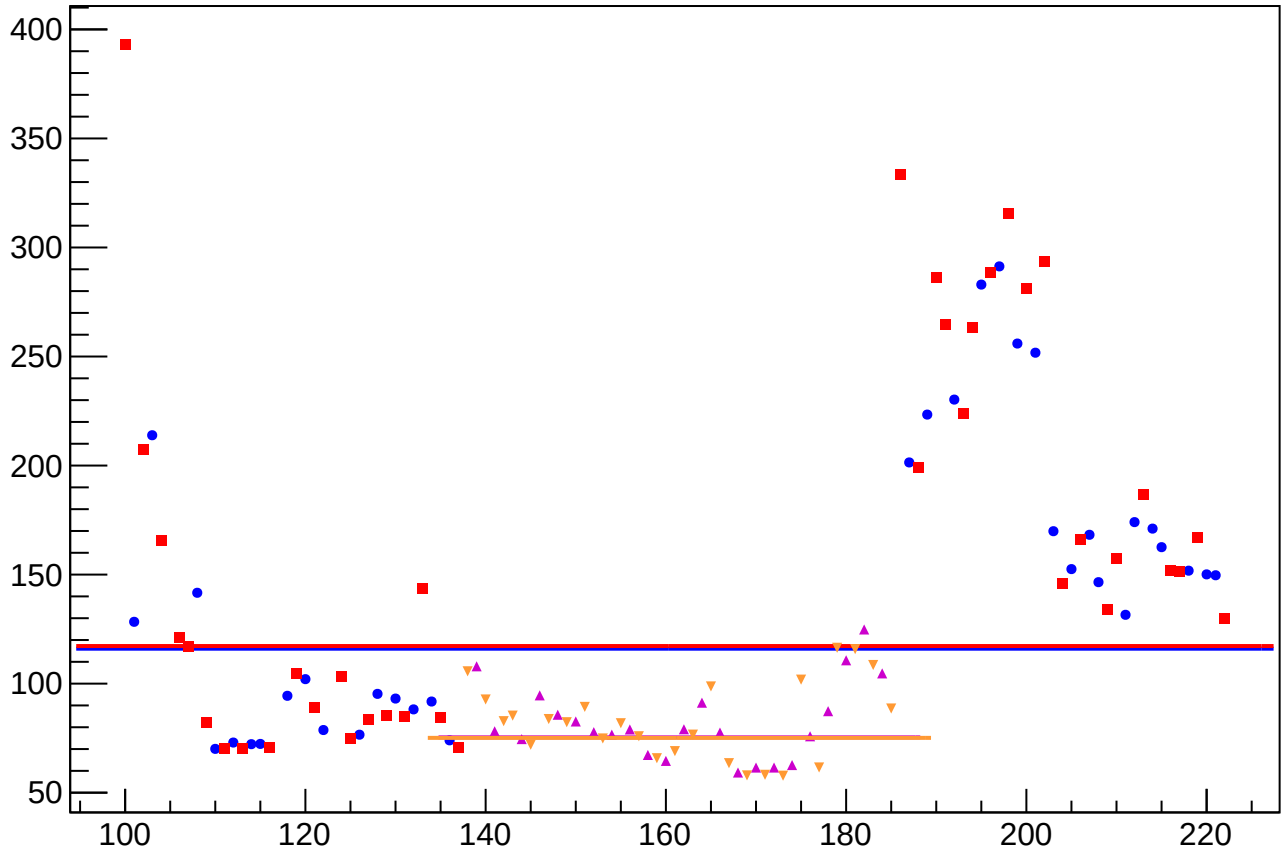
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -53.962+/-19.454 χ^2/NDF: 92.3/71

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 46.348+/-14.957 χ^2/NDF:112.7/62

All: 40.301+/-10.653 χ^2/NDF: 201.6/119



Right In: 116.025+/-0.019 χ^2/NDF: 6662801.1/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 117.236+/-0.020 χ^2/NDF: 7949162.2/37

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

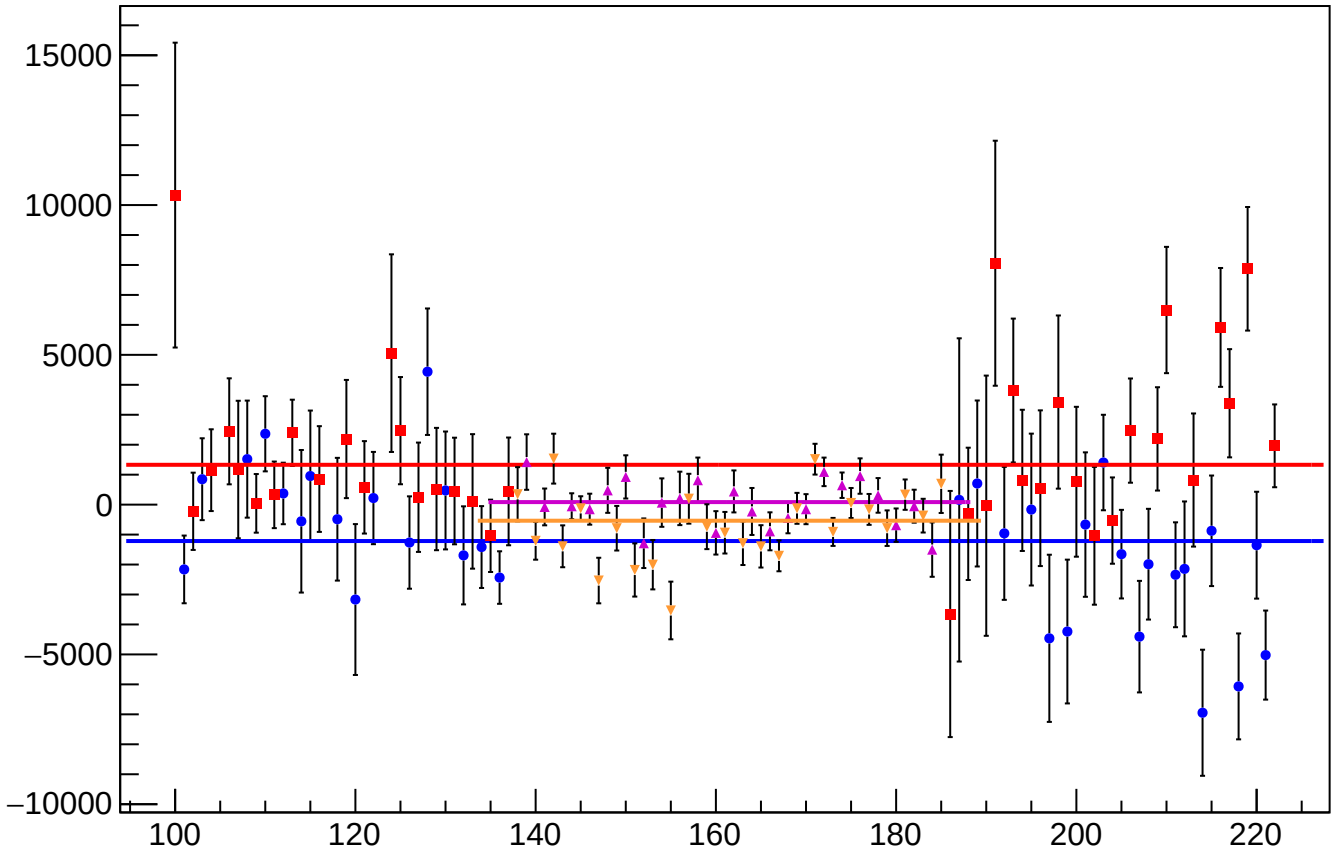
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 116.618+/-0.014 χ^2/NDF: 14613901.4/71

In: 87.987+/-0.011 χ^2/NDF:10961674.4/56

Out: 87.319+/-0.011 χ^2/NDF:12811266.6/62

All: 87.648+/-0.008 χ^2/NDF: 23774903.6/119



Right In: -1215.212+/-288.179 χ^2/NDF: 59.9/33

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 1329.693+/-288.064 χ^2/NDF: 48.8/37

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

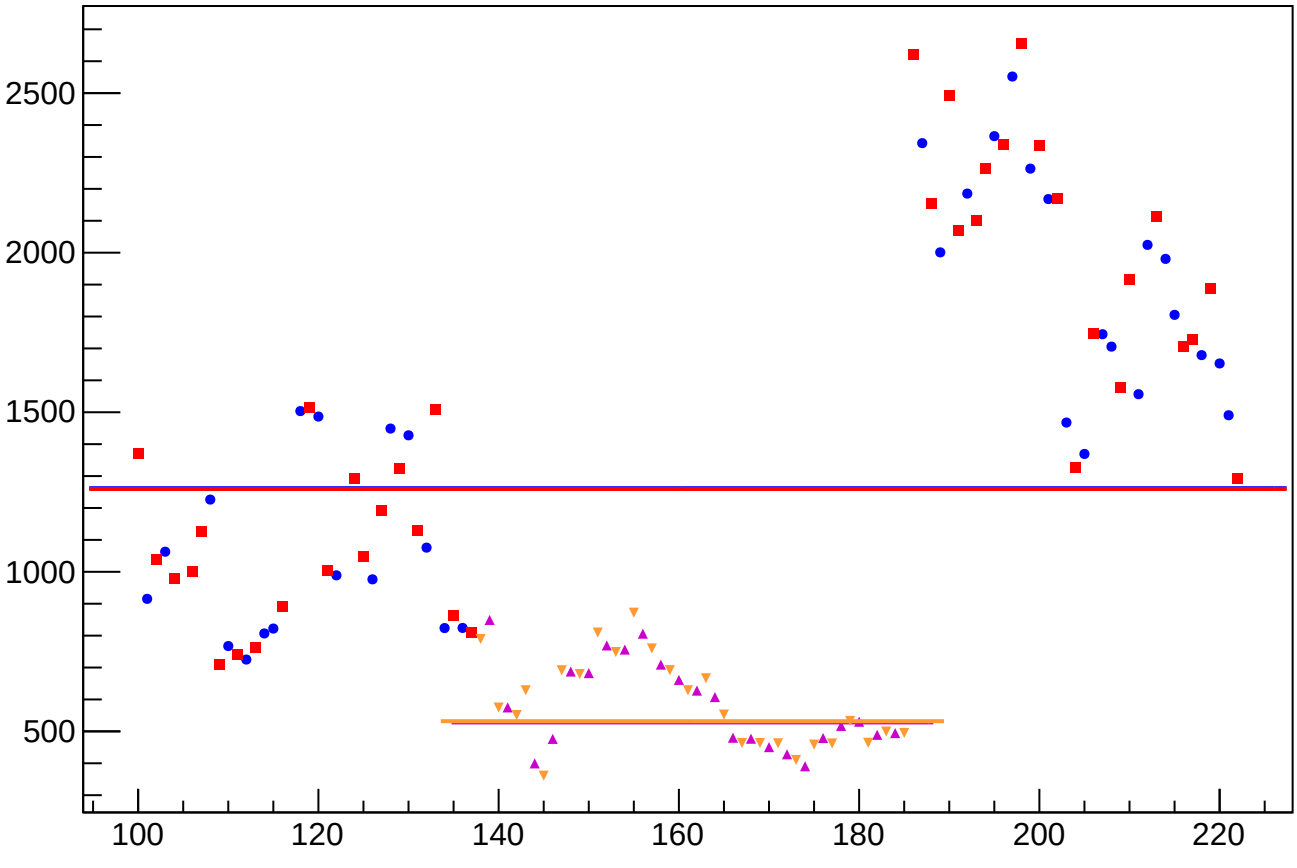
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 57.747+/-203.733 χ^2/NDF: 147.7/71

In: -126.841+/-116.245 χ^2/NDF:104.4/56

Out: -243.133+/-114.261 χ^2/NDF:151.2/62

All: -185.988+/-81.487 χ^2/NDF: 256.1/119



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: 1259.573+/-0.204 χ^2/NDF: 6283418.5/37

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

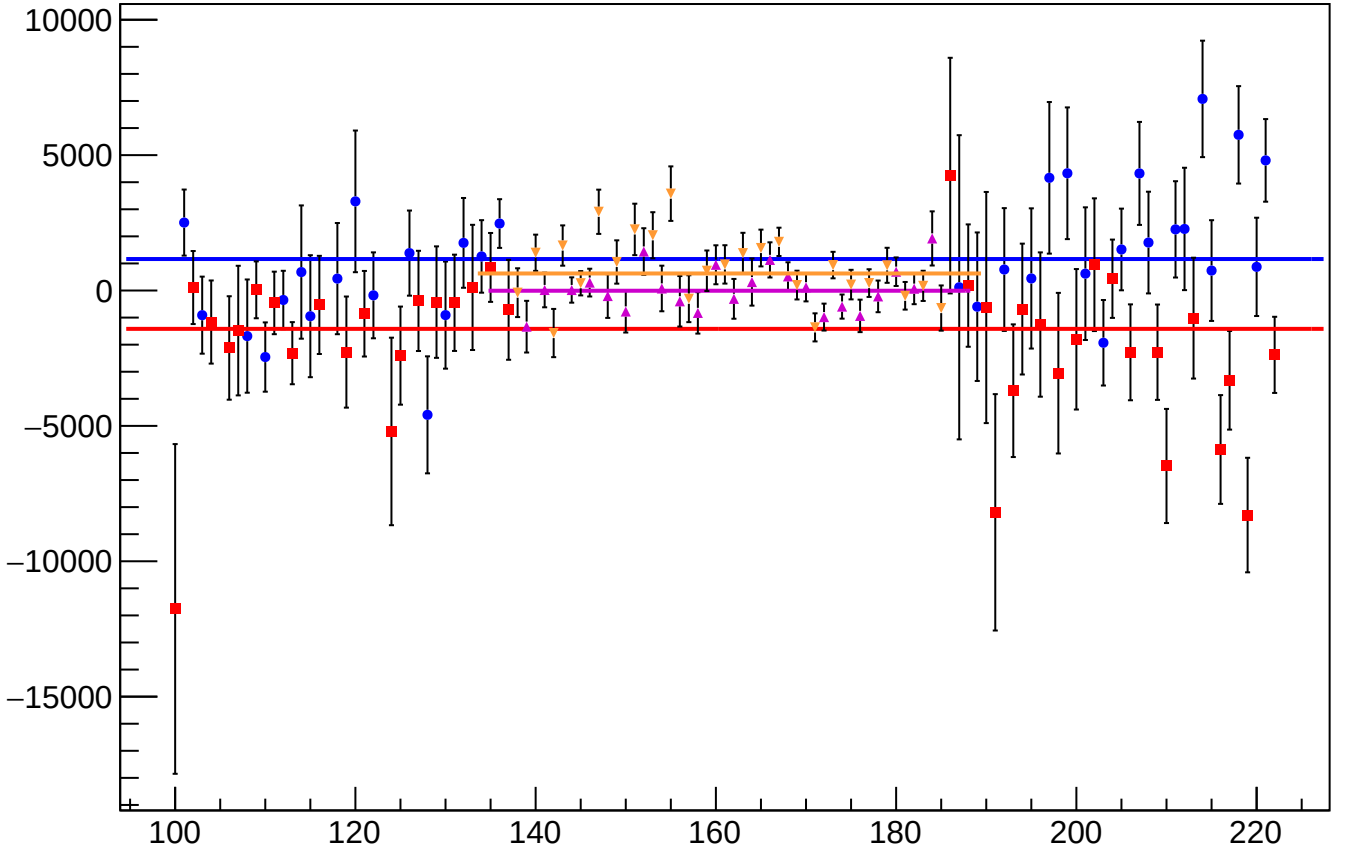
Right: 1260.796+/-0.144 χ^2/NDF: 11709006.5/71

In: 647.423+/-0.082 χ^2/NDF:18090538.3/56

Out: 646.362+/-0.081 χ^2/NDF:19076256.3/62

All: 646.884+/-0.058 χ^2/NDF: 37166879.3/11

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 1162.731+/-295.247 χ^2/NDF: 58.7/33

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1416.285+/-298.449 χ^2/NDF: 46.0/37

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

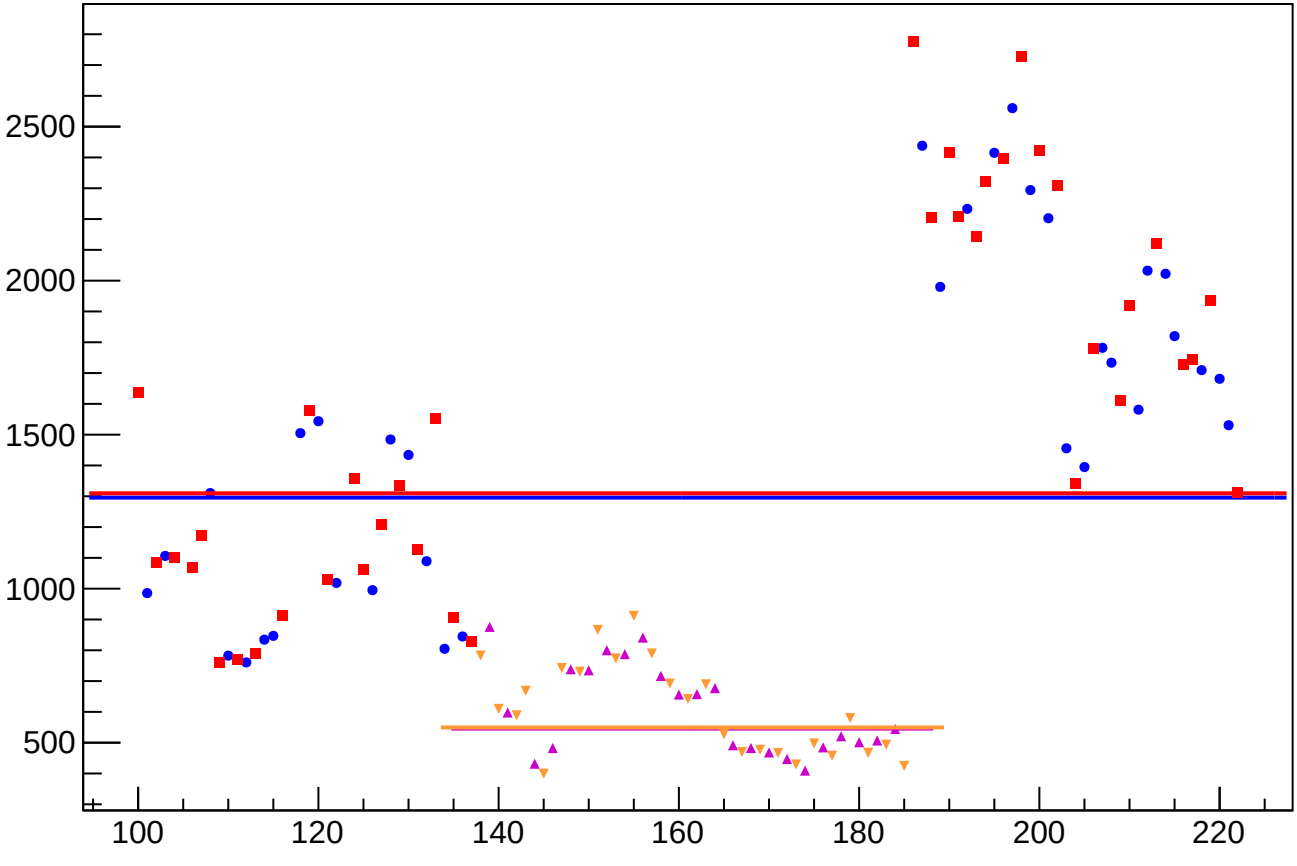
Right: -112.872+/-209.894 χ^2/NDF: 142.4/71

In: 184.893+/-119.963 χ^2/NDF:99.2/56

Out: 307.973+/-118.299 χ^2/NDF:150.5/62

All: 247.293+/-84.232 χ^2/NDF: 250.2/119

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: 1309.623+/-0.211 χ^2/NDF: 5982302.4/37

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

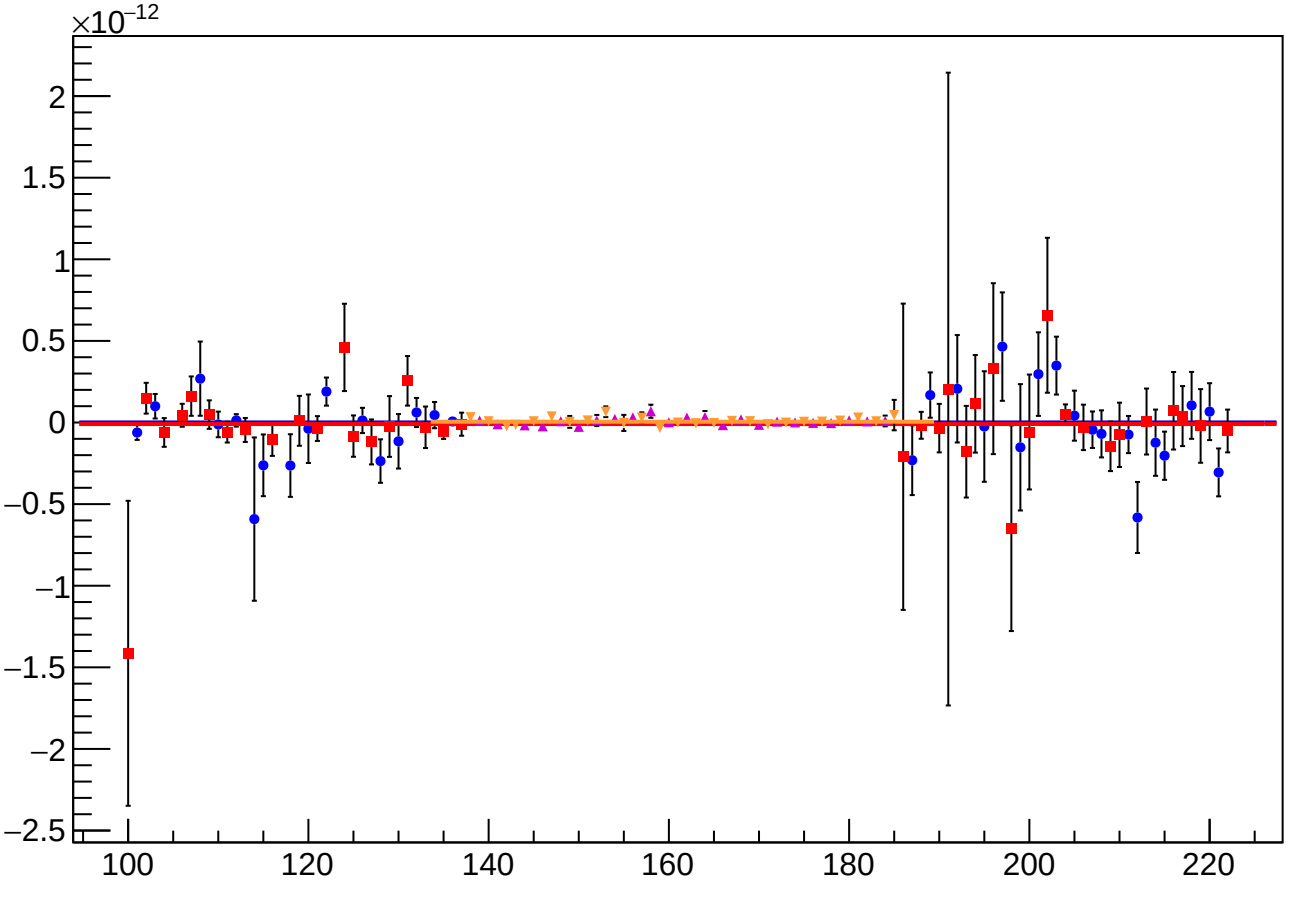
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1302.568+/-0.148 χ^2/NDF: 11218537.1/71

In: 669.519+/-0.085 χ^2/NDF:17822323.6/56

Out: 668.906+/-0.084 χ^2/NDF:18972131.7/62

All: 669.208+/-0.060 χ^2/NDF: 36794481.8/11



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: 24.8/37

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

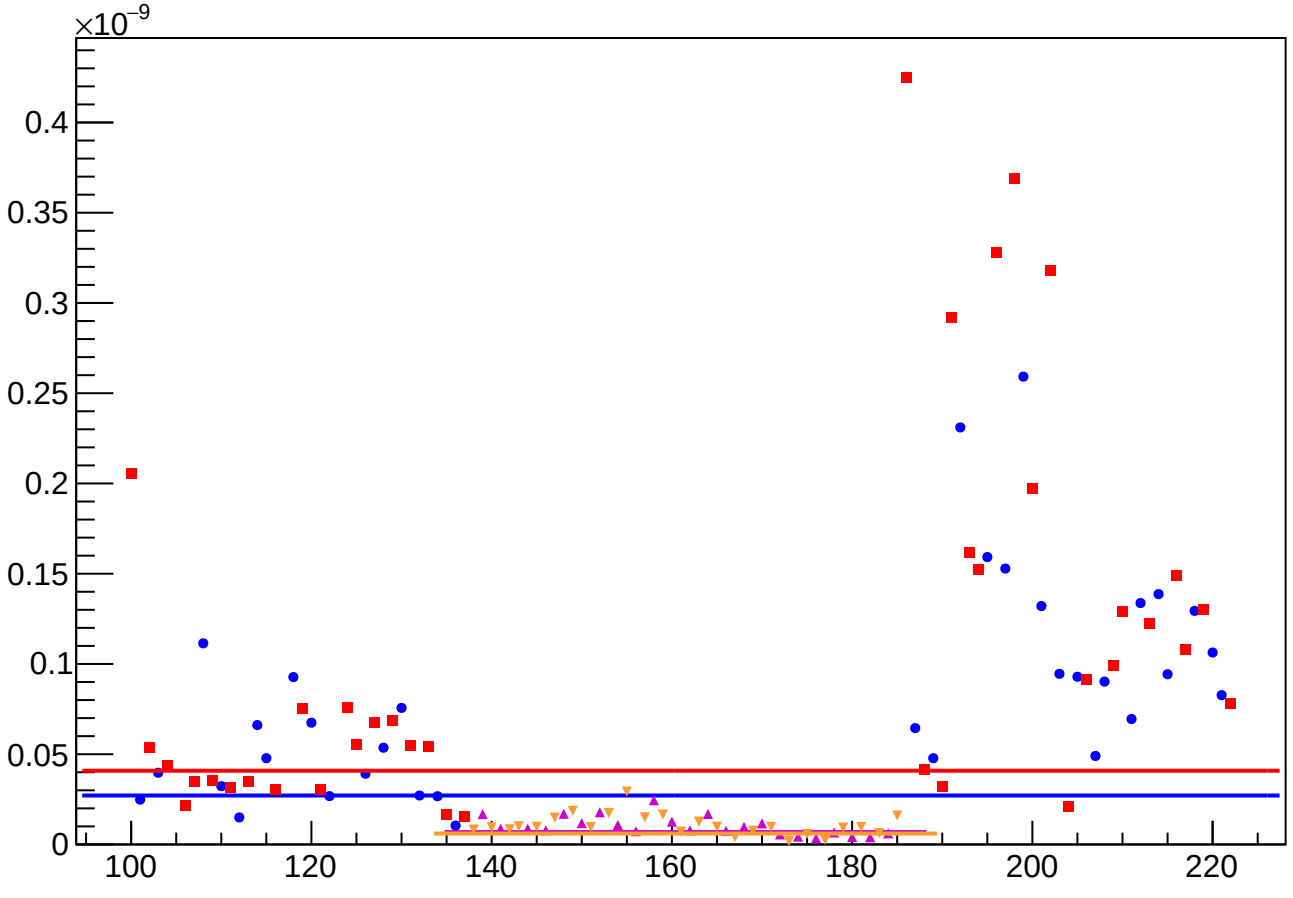
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 70.2/71

In: 0.000+/-0.000 χ^2/NDF:65.2/56

Out: 0.000+/-0.000 χ^2/NDF:41.1/62

All: 0.000+/-0.000 χ^2/NDF: 106.5/119



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: 7401093.4/37

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

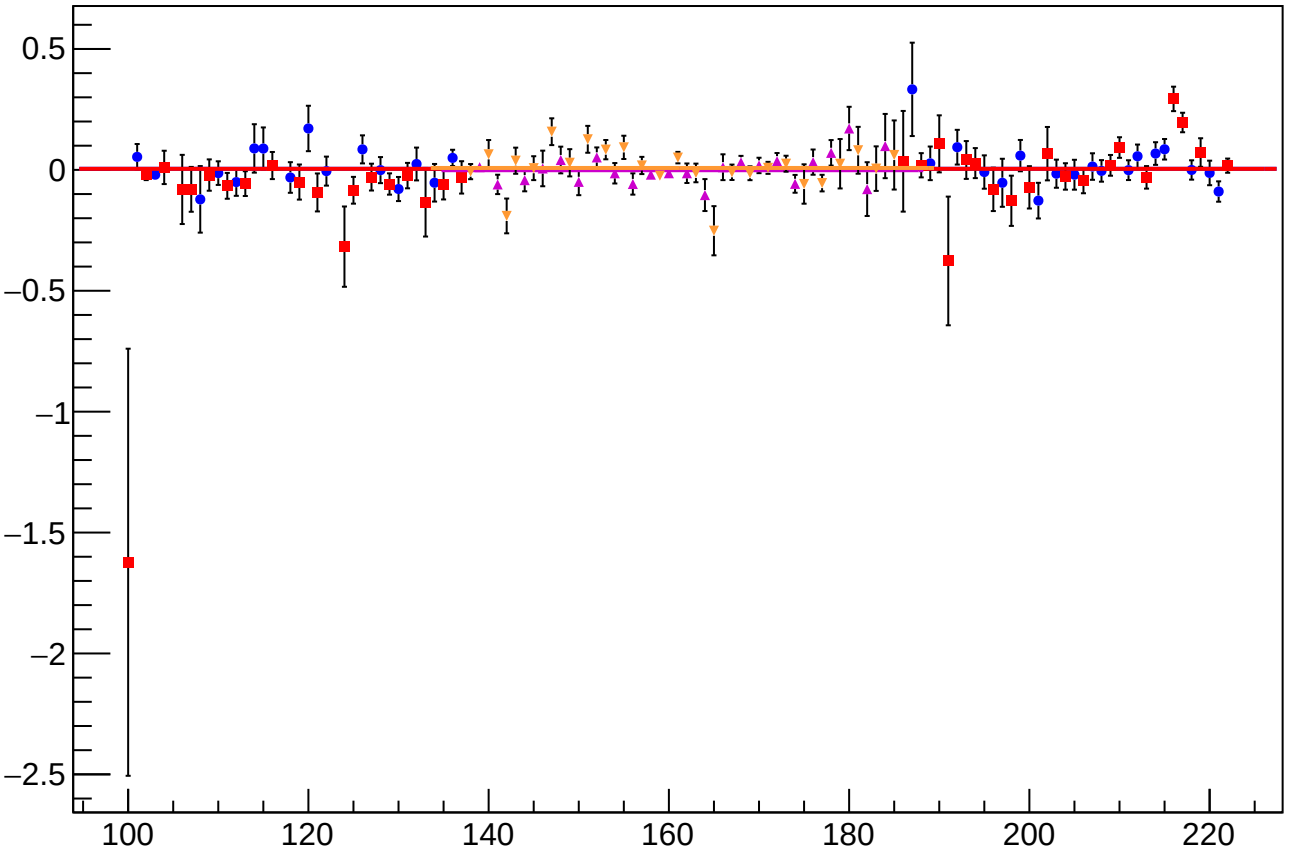
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17331900.3/71

In: 0.000+/-0.000 χ^2/NDF:15774404.7/56

Out: 0.000+/-0.000 χ^2/NDF:18359956.7/62

All: 0.000+/-0.000 χ^2/NDF: 34235349.7/119



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: 0.004+/-0.009 χ^2/NDF: 92.6/37

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

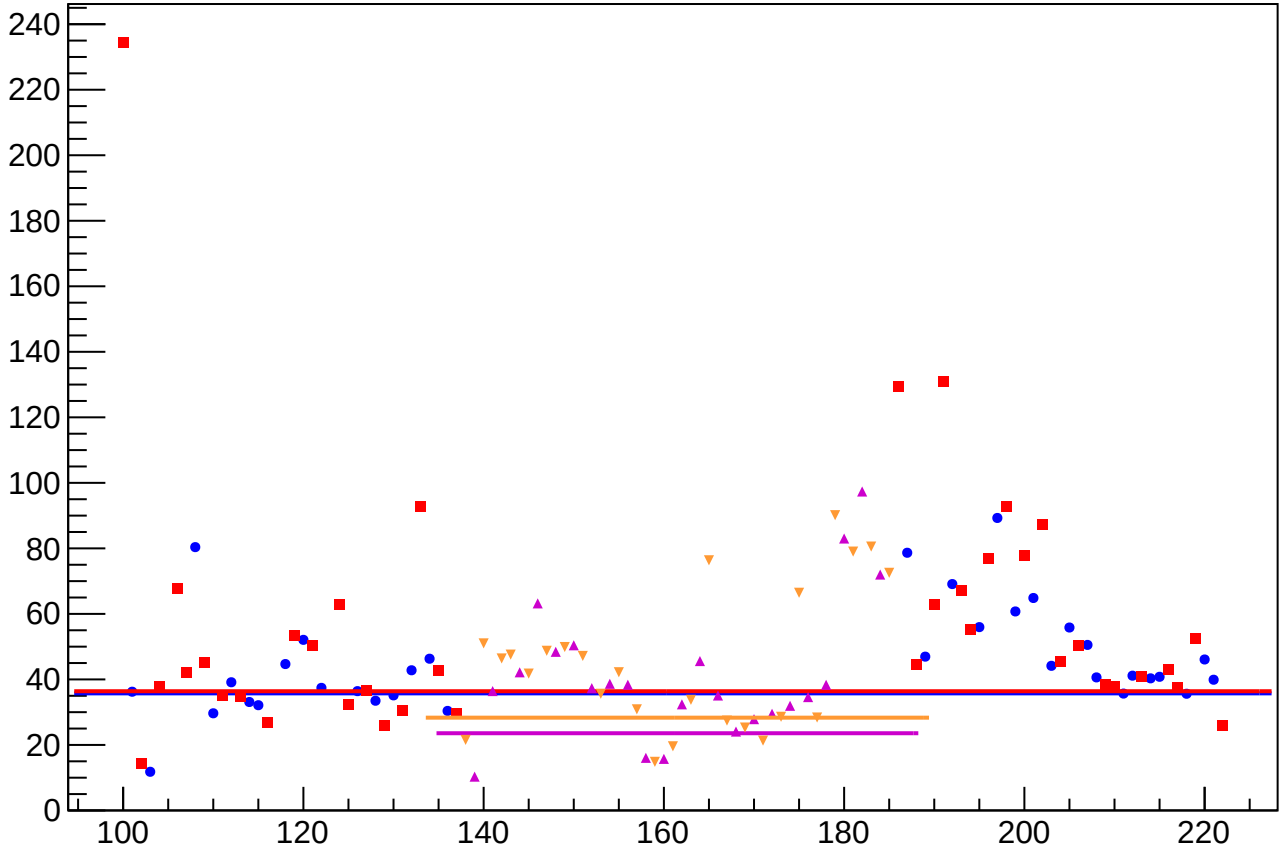
Right: 0.004+/-0.006 χ^2/NDF: 130.0/71

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.2/62

All: 0.003+/-0.004 χ^2/NDF: 203.6/119

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: 36.394+/-0.006 χ^2/NDF: 6967735.2/37

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

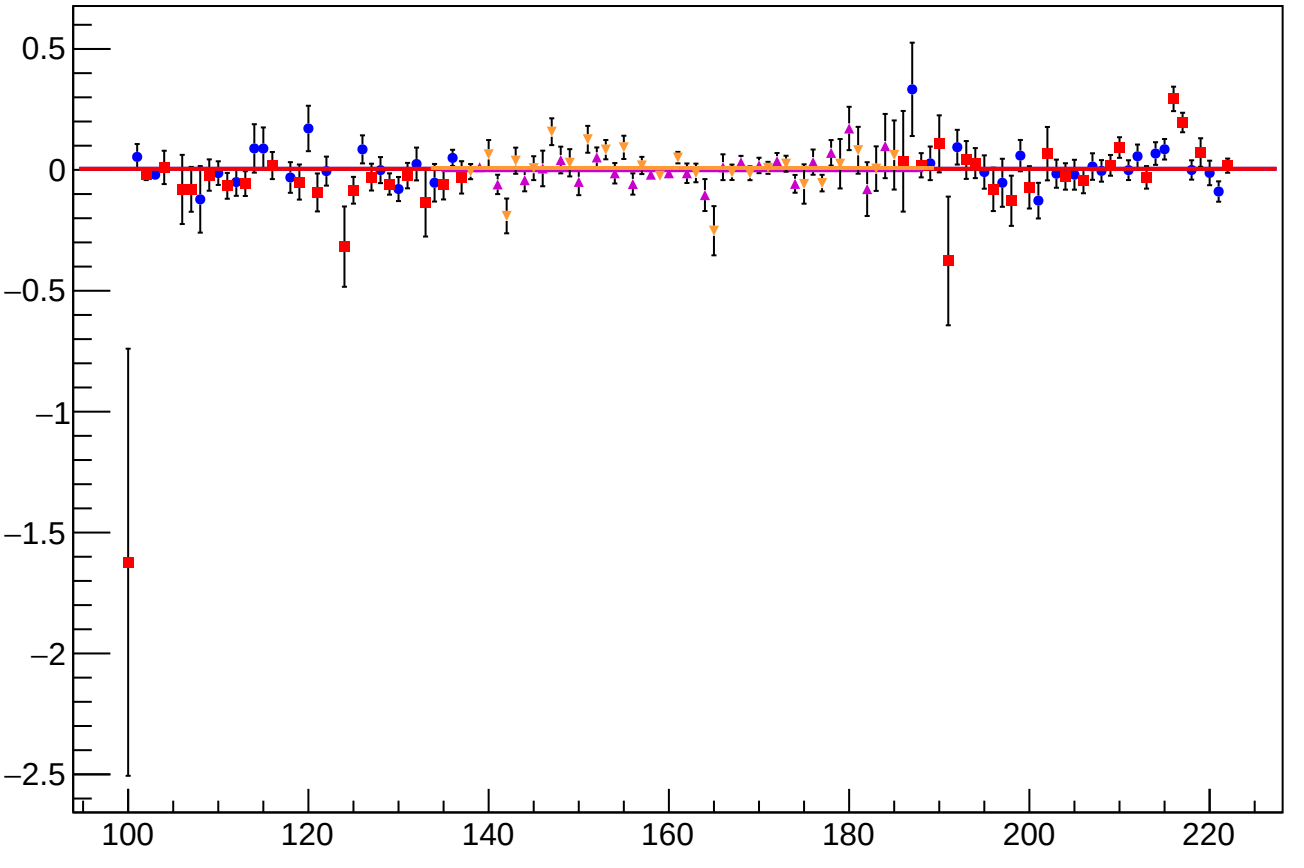
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 36.058+/-0.004 χ^2/NDF: 12956337.5/71

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.671+/-0.004 χ^2/NDF:14696468.1/62

All: 29.783+/-0.003 χ^2/NDF: 31749056.4/119



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: 0.004+/-0.009 χ^2/NDF: 92.6/37

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

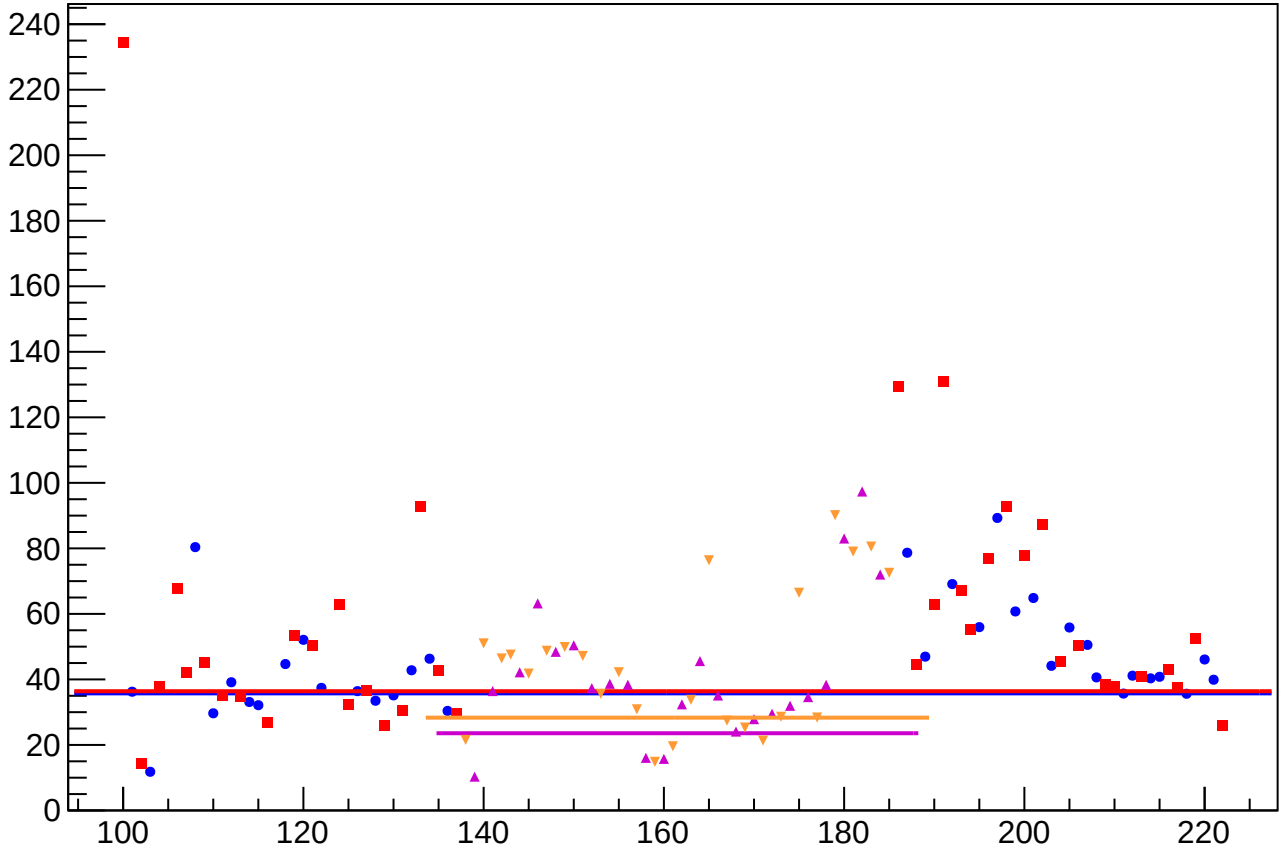
Right: 0.004+/-0.006 χ^2/NDF: 130.0/71

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.2/62

All: 0.003+/-0.004 χ^2/NDF: 203.6/119

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: 36.394+/-0.006 χ^2/NDF: 6967735.2/37

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

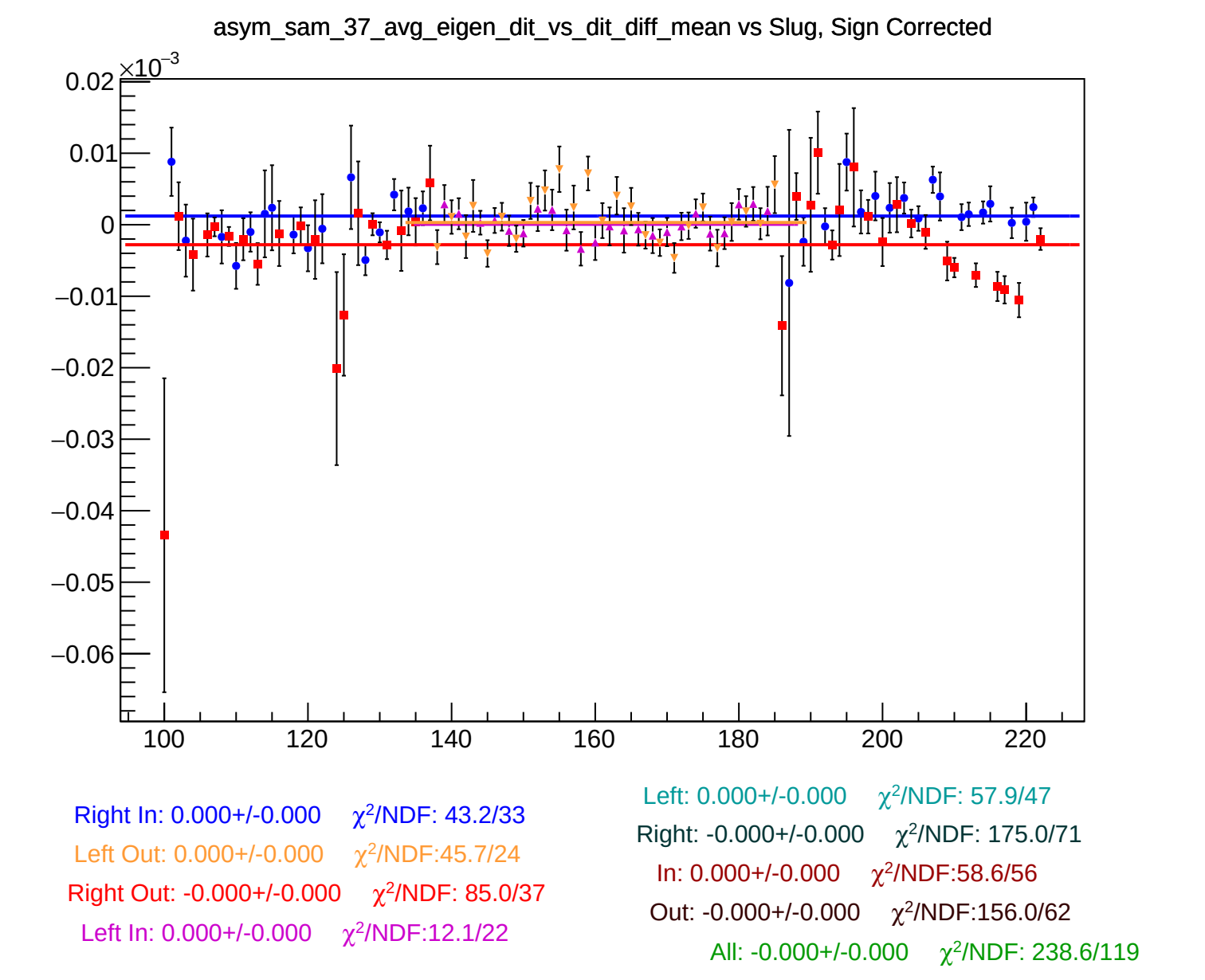
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

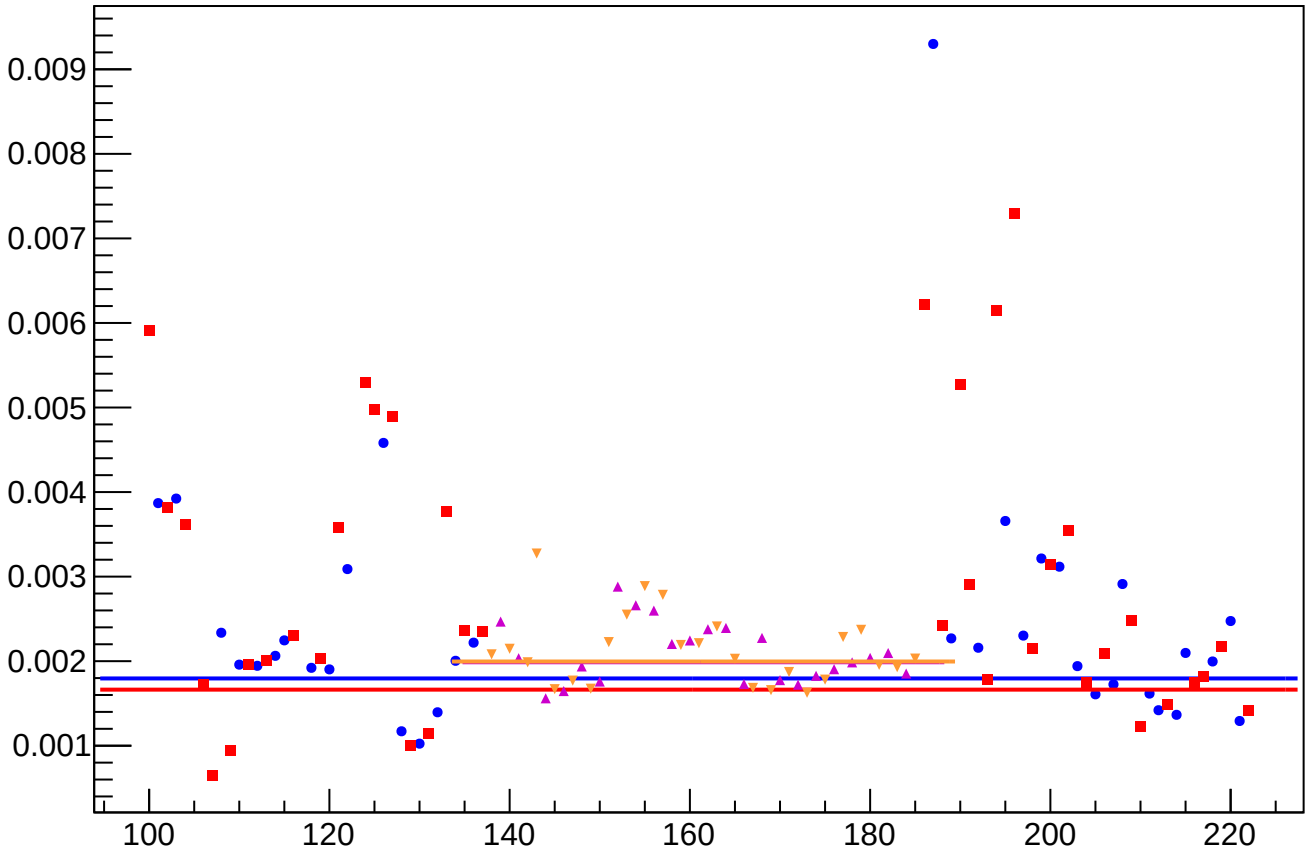
Right: 36.058+/-0.004 χ^2/NDF: 12956337.5/71

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.671+/-0.004 χ^2/NDF:14696468.1/62

All: 29.783+/-0.003 χ^2/NDF: 31749056.4/119


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.2/33
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 85.0/37
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: 175.0/71
In: 0.000+/-0.000 χ²/NDF:58.6/56
Out: -0.000+/-0.000 χ²/NDF:156.0/62
All: -0.000+/-0.000 χ²/NDF: 238.6/119



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: 9135894.4/37

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

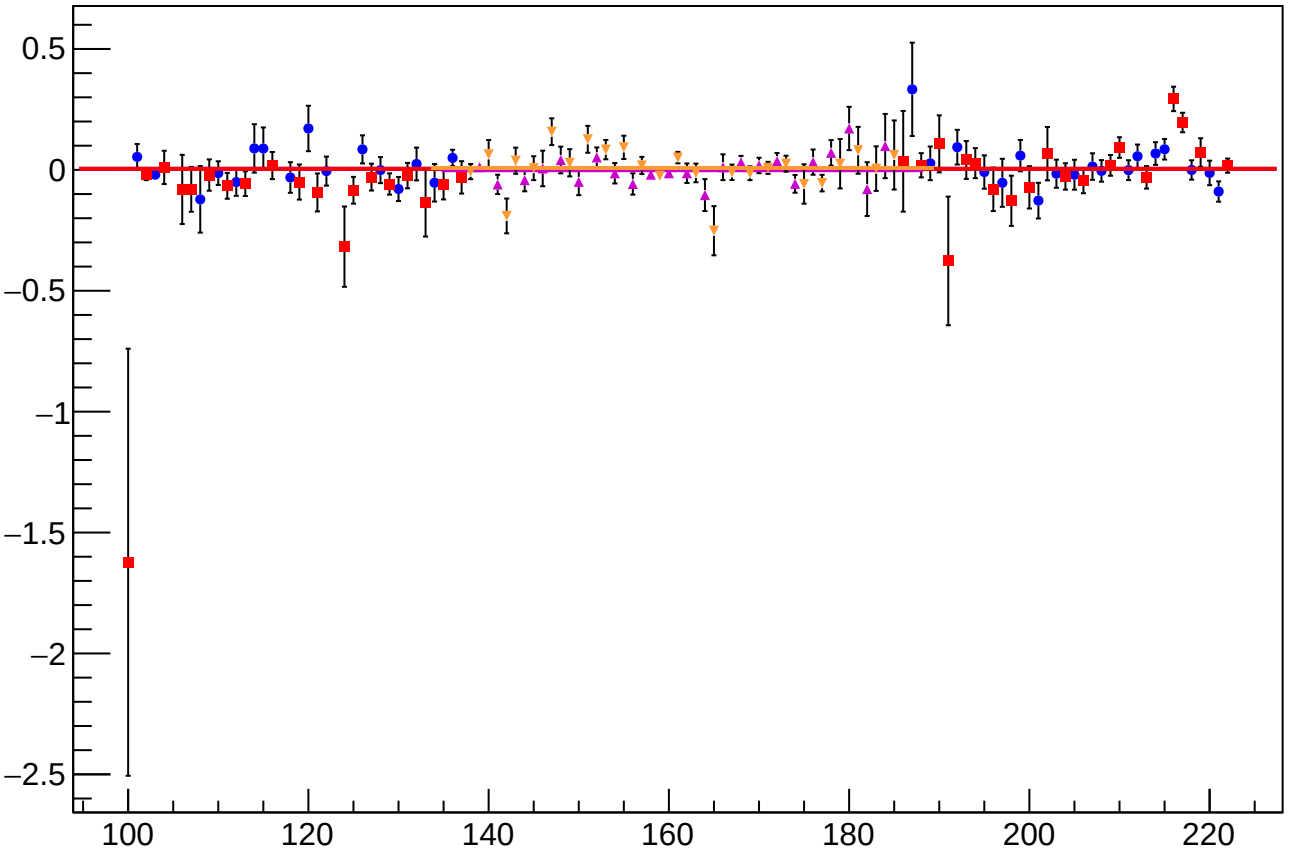
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13836074.0/71

In: 0.002+/-0.000 χ^2/NDF:5704780.9/56

Out: 0.002+/-0.000 χ^2/NDF:10892549.4/62

All: 0.002+/-0.000 χ^2/NDF: 16651685.4/119



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: 0.004+/-0.009 χ^2/NDF: 92.6/37

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

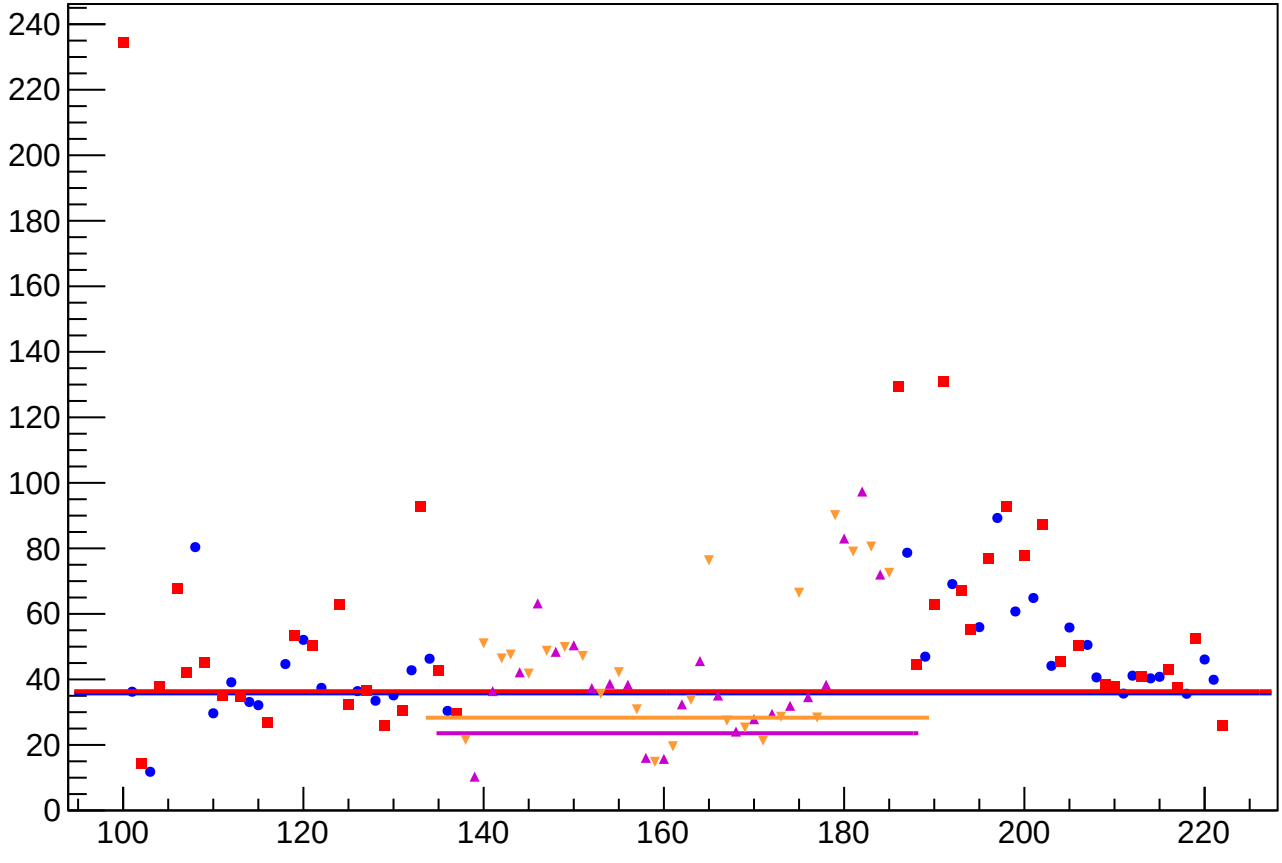
Right: 0.004+/-0.006 χ^2/NDF: 130.0/71

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.2/62

All: 0.003+/-0.004 χ^2/NDF: 203.6/119

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: 36.395+/-0.006 χ^2/NDF: 6966554.2/37

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

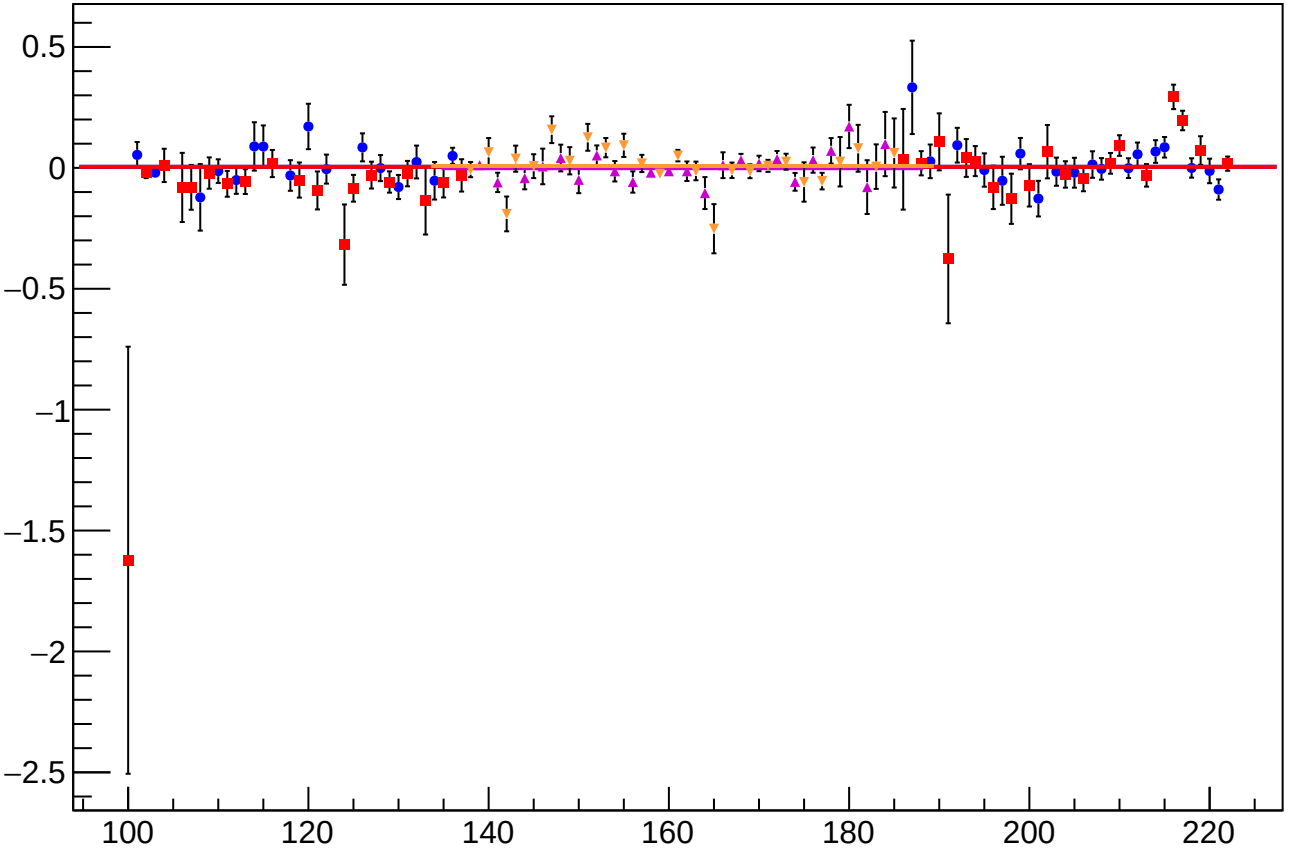
Right: 36.059+/-0.004 χ^2/NDF: 12955630.7/71

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.671+/-0.004 χ^2/NDF:14696223.2/62

All: 29.783+/-0.003 χ^2/NDF: 31750922.7/119

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: 0.004+/-0.009 χ^2/NDF: 92.6/37

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

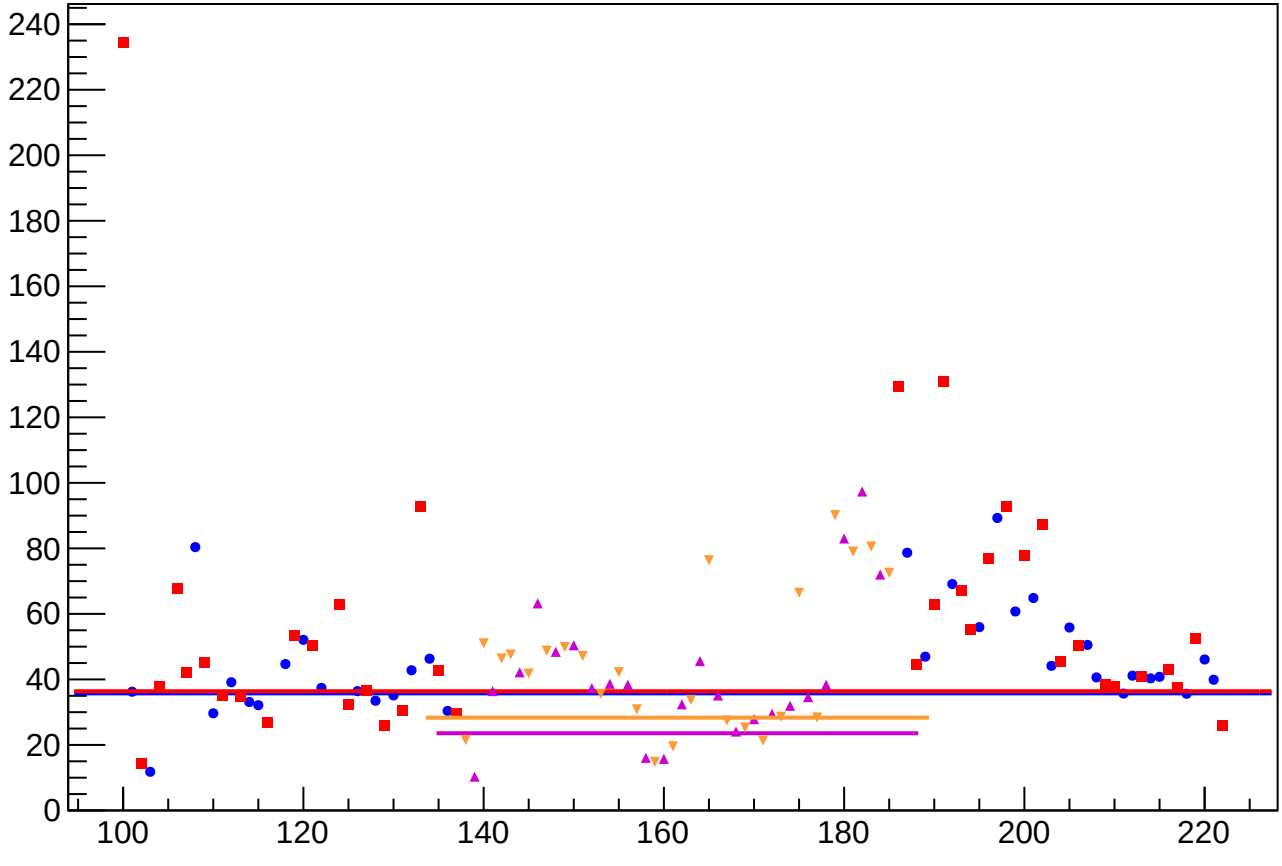
Right: 0.004+/-0.006 χ^2/NDF: 130.0/71

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.2/62

All: 0.003+/-0.004 χ^2/NDF: 203.6/119

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: 36.395+/-0.006 χ^2/NDF: 6966554.2/37

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

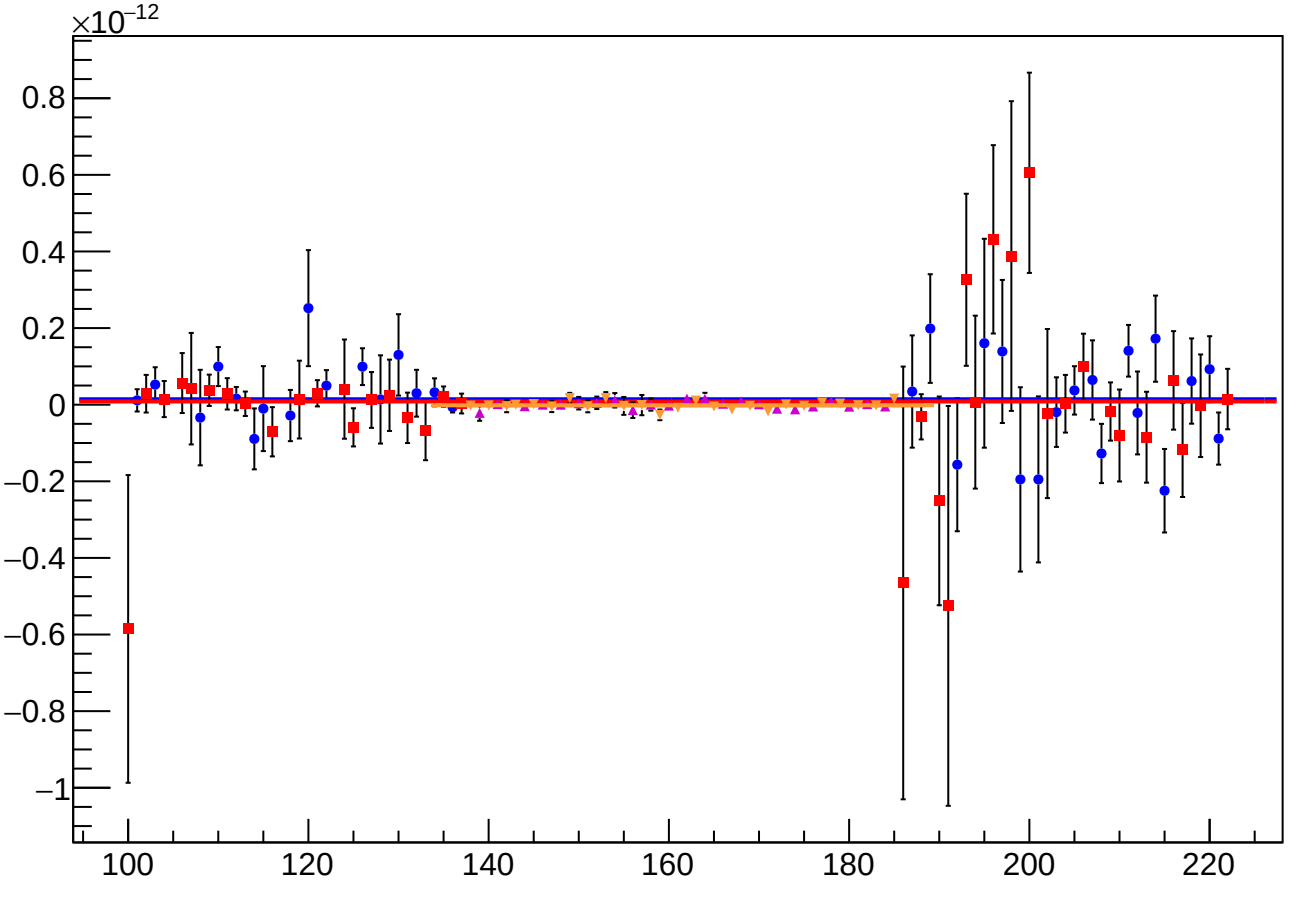
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.059+/-0.004 χ^2/NDF: 12955630.7/71

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.671+/-0.004 χ^2/NDF:14696223.2/62

All: 29.783+/-0.003 χ^2/NDF: 31750922.7/119



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: 26.9/37

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

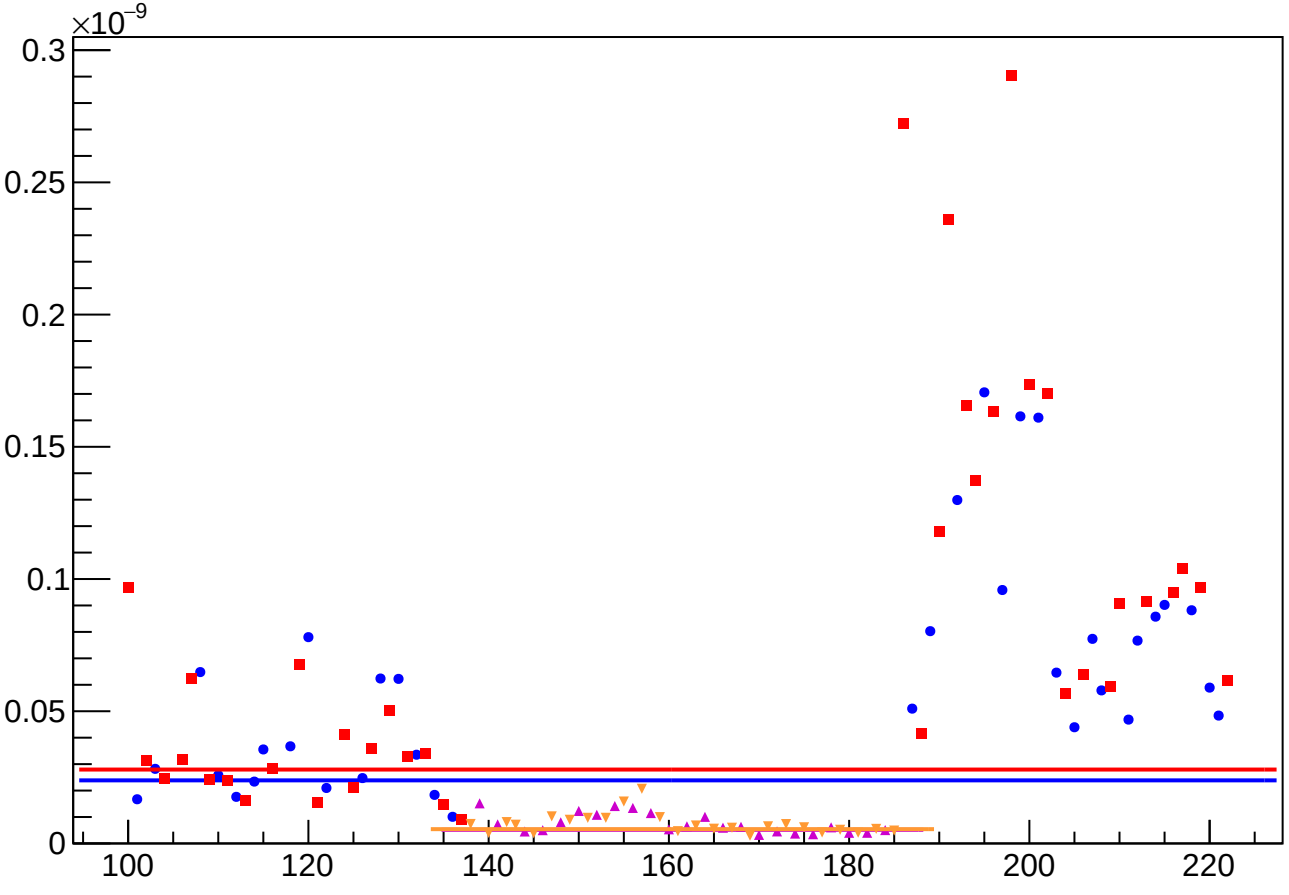
Right: 0.000+/-0.000 χ^2/NDF: 65.7/71

In: -0.000+/-0.000 χ^2/NDF:57.5/56

Out: -0.000+/-0.000 χ^2/NDF:45.4/62

All: -0.000+/-0.000 χ^2/NDF: 102.9/119

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: 12301901.1/37

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

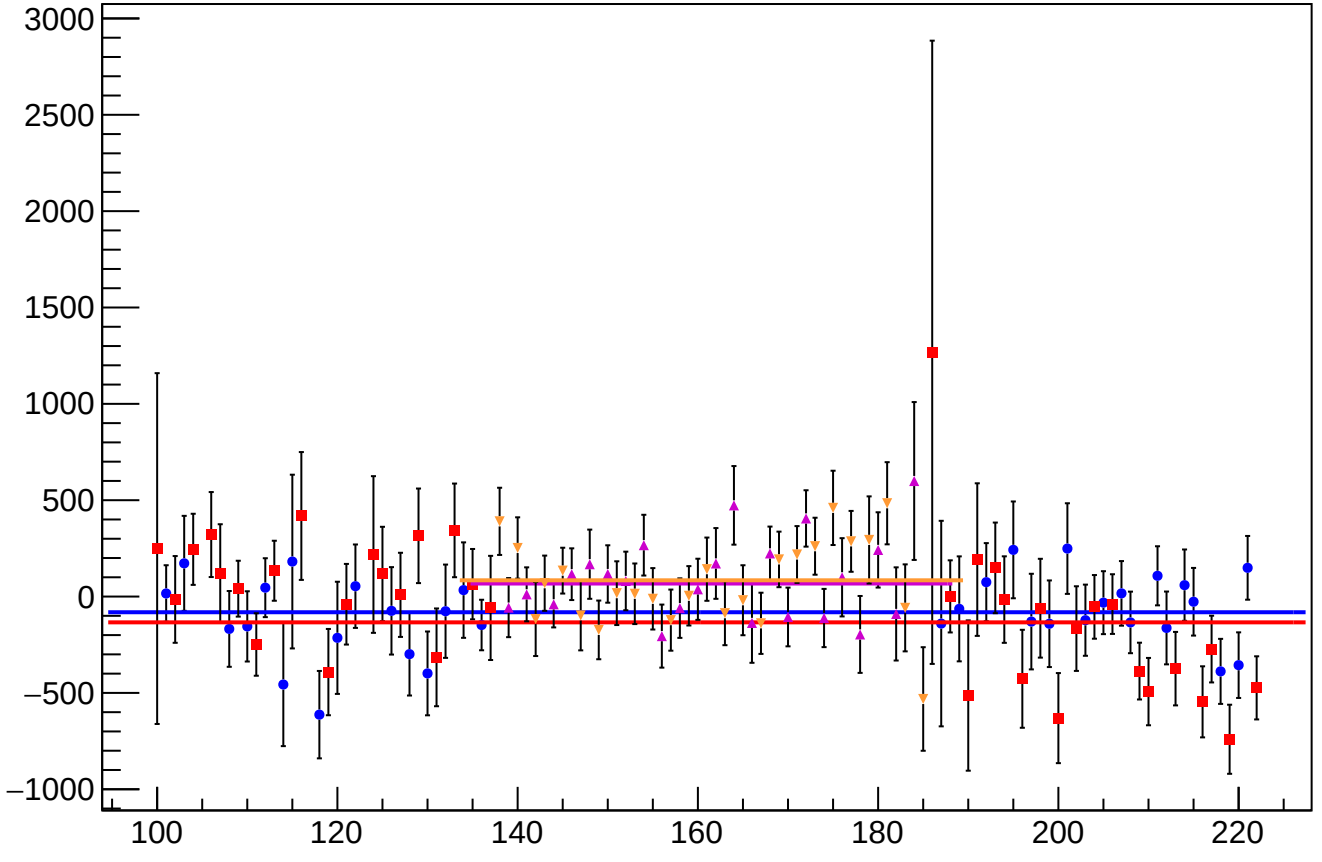
Right: 0.000+/-0.000 χ^2/NDF: 24181817.6/71

In: 0.000+/-0.000 χ^2/NDF:23784815.9/56

Out: 0.000+/-0.000 χ^2/NDF:25127757.1/62

All: 0.000+/-0.000 χ^2/NDF: 48927963.7/119

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: -133.878+/-33.965 χ^2/NDF: 71.7/37

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

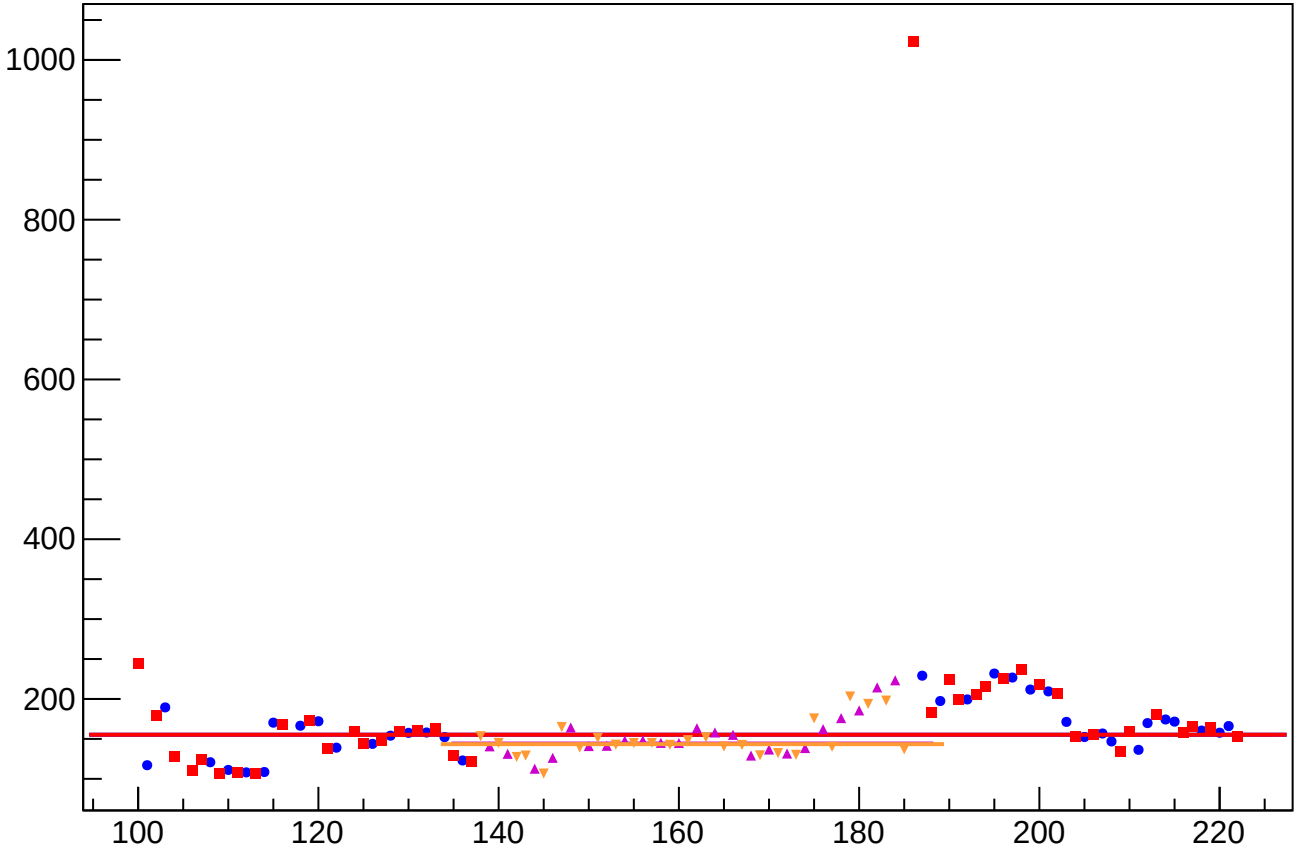
Right: -107.524+/-23.966 χ^2/NDF: 102.1/71

In: -7.565+/-24.026 χ^2/NDF:65.3/56

Out: -21.749+/-23.682 χ^2/NDF:126.7/62

All: -14.760+/-16.866 χ^2/NDF: 192.2/119

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: 155.221+/-0.024 χ^2/NDF: 2530937.8/37

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

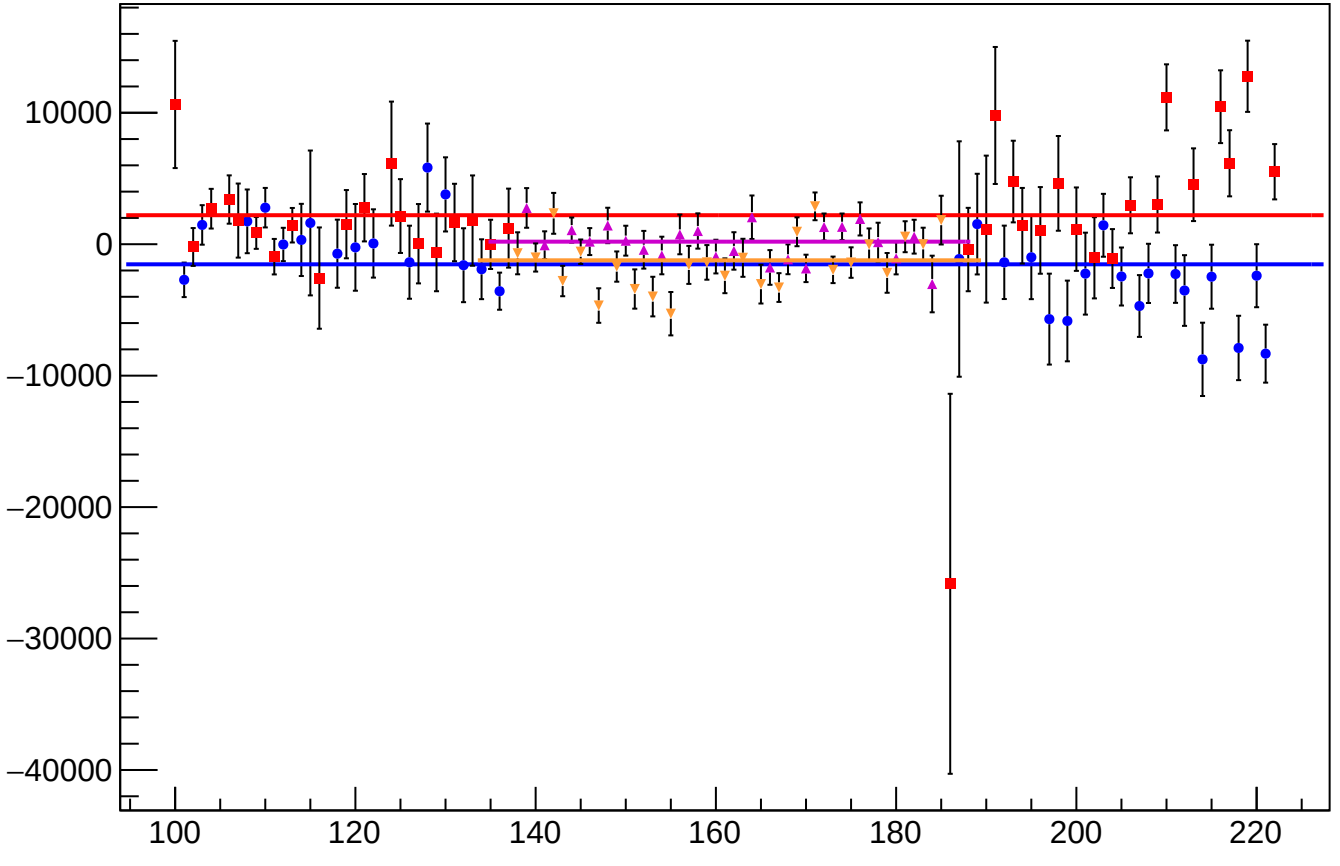
Right: 155.224+/-0.017 χ^2/NDF: 4148732.1/71

In: 149.750+/-0.017 χ^2/NDF:2426386.2/56

Out: 149.169+/-0.017 χ^2/NDF:3401543.8/62

All: 149.455+/-0.012 χ^2/NDF: 5828524.0/119

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



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: 2206.361+/-380.482 χ^2/NDF: 72.8/37

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

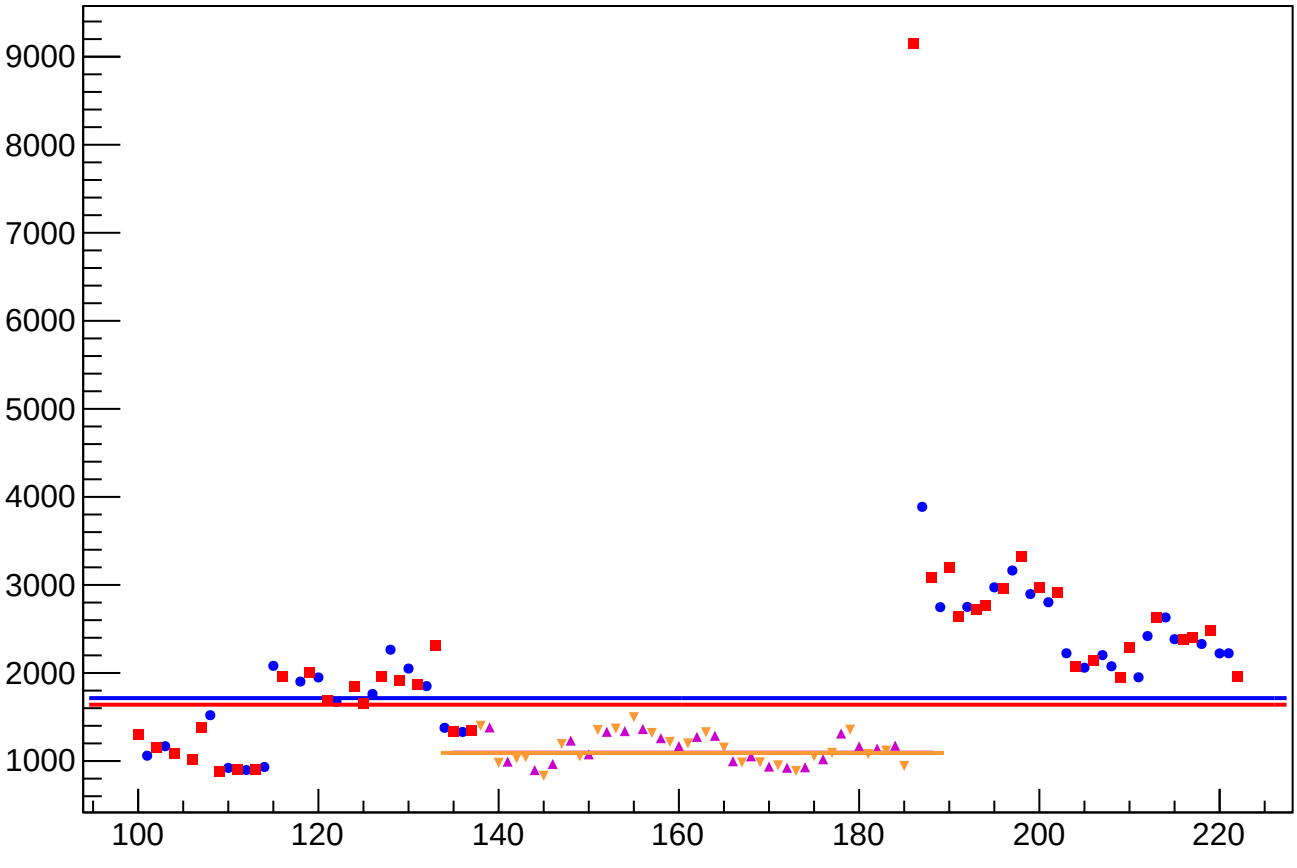
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 391.600+/-272.841 χ^2/NDF: 179.5/71

In: -330.633+/-215.957 χ^2/NDF:96.6/56

Out: -180.119+/-209.962 χ^2/NDF:188.7/62

All: -253.258+/-150.541 χ^2/NDF: 285.6/119



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: 1639.757+/-0.269 χ^2/NDF: 7396925.5/37

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

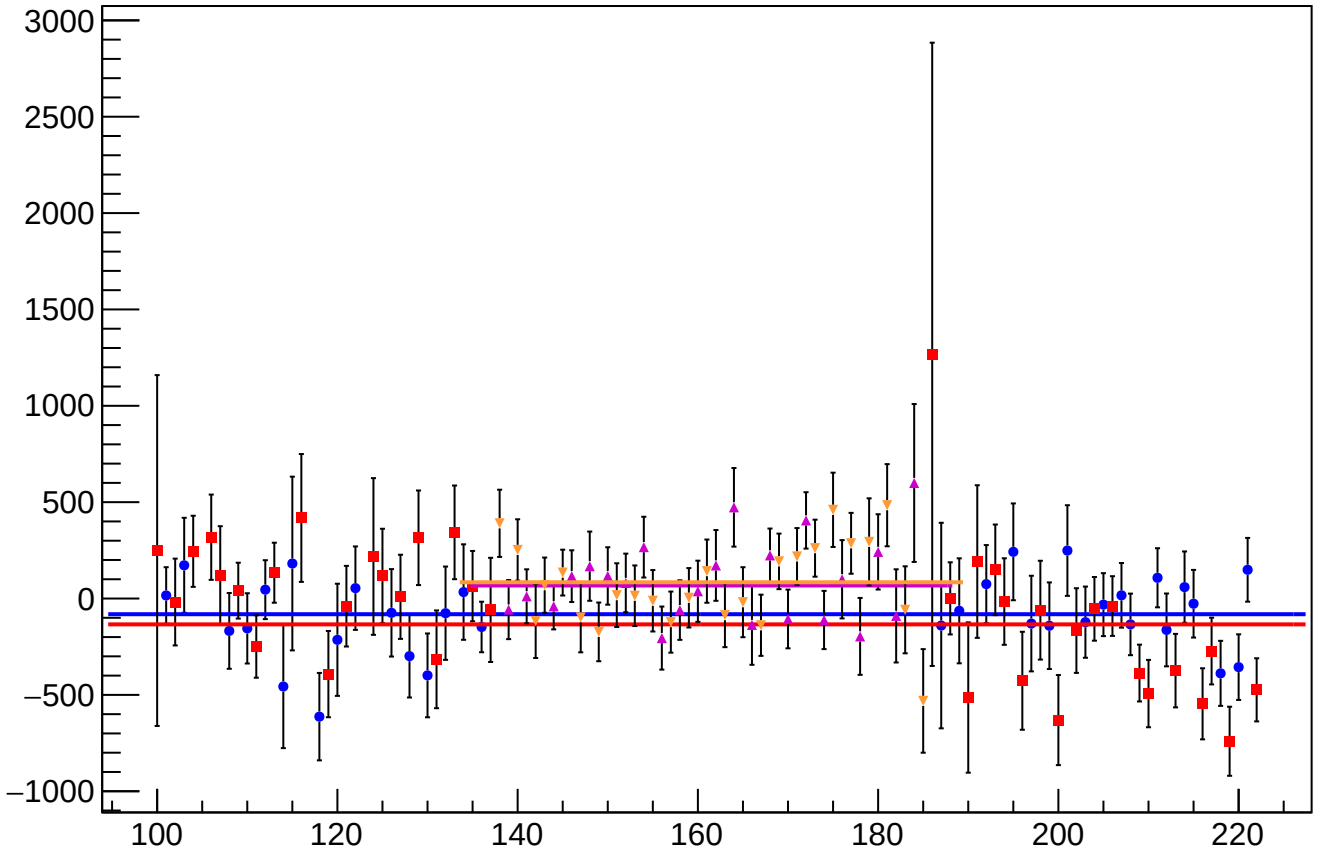
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1676.053+/-0.193 χ^2/NDF: 12937365.3/71

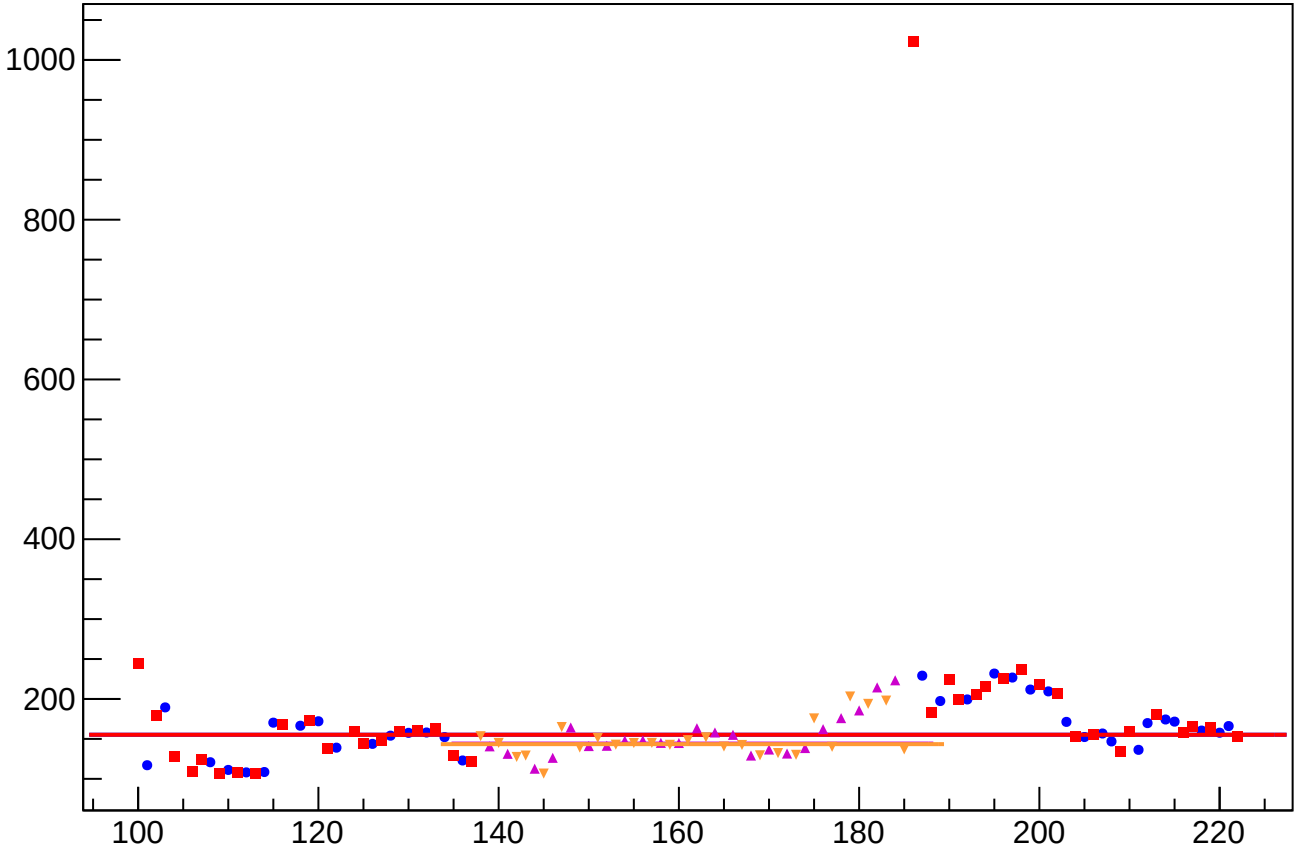
In: 1283.167+/-0.153 χ^2/NDF:9725965.3/56

Out: 1258.788+/-0.148 χ^2/NDF:11172431.0/62

All: 1270.634+/-0.106 χ^2/NDF: 20911498.4/


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -81.398+/-33.821 χ²/NDF: 29.2/33
Left Out: 84.338+/-33.036 χ²/NDF:33.8/24
Right Out: -134.104+/-33.968 χ²/NDF: 71.6/37
Left In: 67.648+/-34.137 χ²/NDF:26.5/22
Left: 76.266+/-23.739 χ²/NDF: 60.5/47
Right: -107.637+/-23.967 χ²/NDF: 101.9/71
In: -7.567+/-24.026 χ²/NDF:65.3/56
Out: -21.843+/-23.683 χ²/NDF:126.6/62
All: -14.808+/-16.866 χ²/NDF: 192.1/119

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: 155.191+/-0.024 χ^2/NDF: 2536508.7/37

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

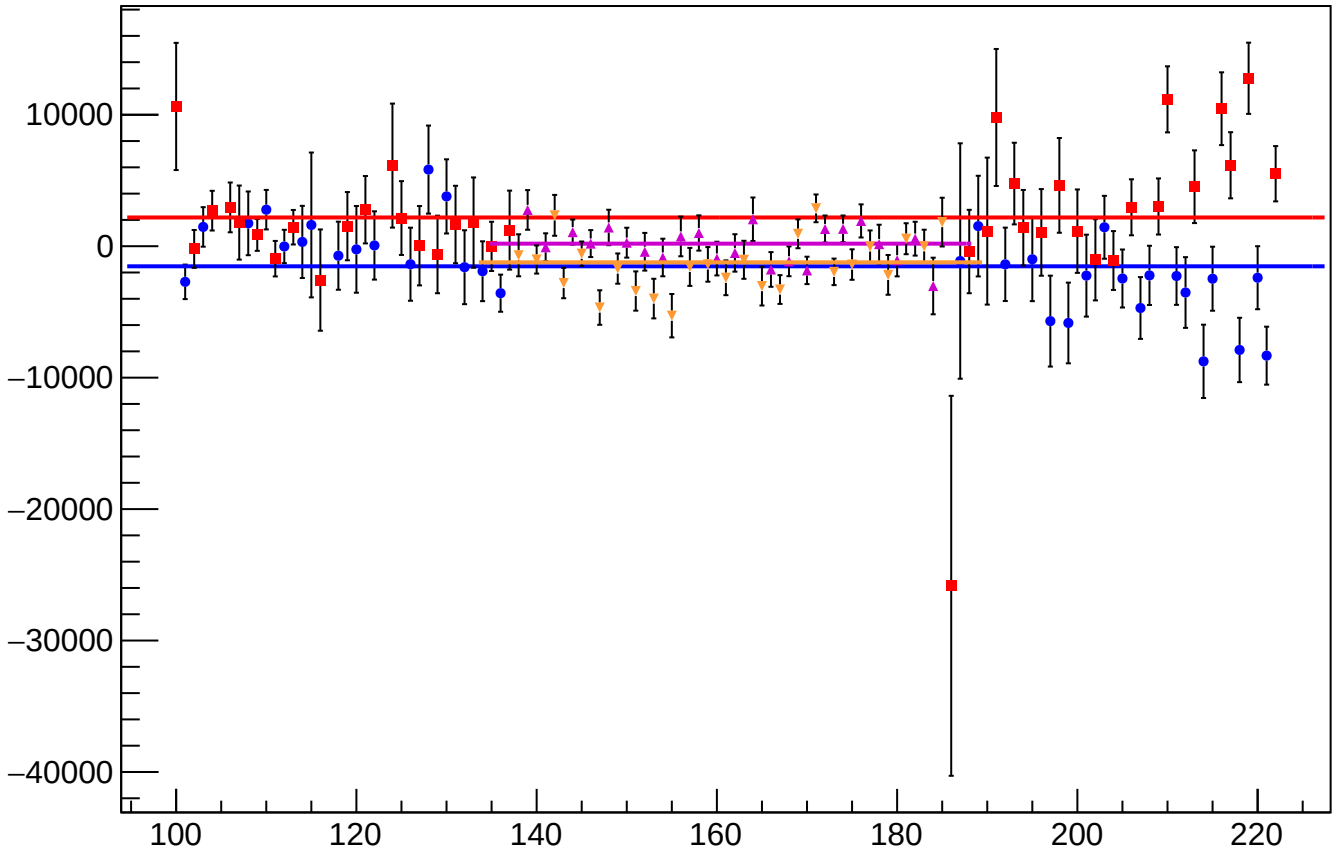
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.209+/-0.017 χ^2/NDF: 4154306.3/71

In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.154+/-0.017 χ^2/NDF:3406480.6/62

All: 149.448+/-0.012 χ^2/NDF: 5833494.2/119



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: 2185.912+/-380.977 χ^2/NDF: 72.6/37

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

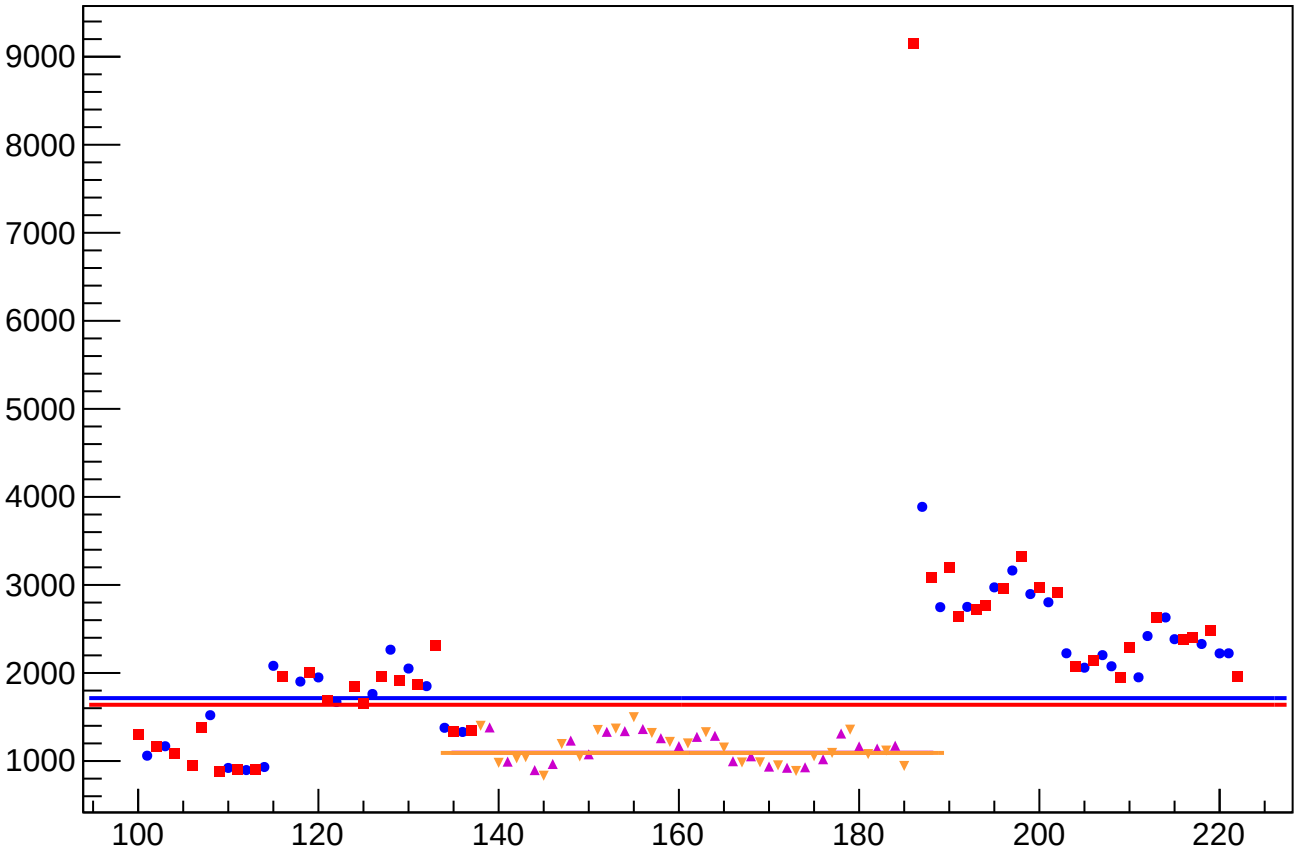
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 378.658+/-273.024 χ^2/NDF: 178.7/71

In: -330.644+/-215.958 χ^2/NDF:96.6/56

Out: -188.210+/-210.045 χ^2/NDF:187.6/62

All: -257.451+/-150.571 χ^2/NDF: 284.5/119



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: 1638.910+/-0.269 χ^2/NDF: 7427709.6/37

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

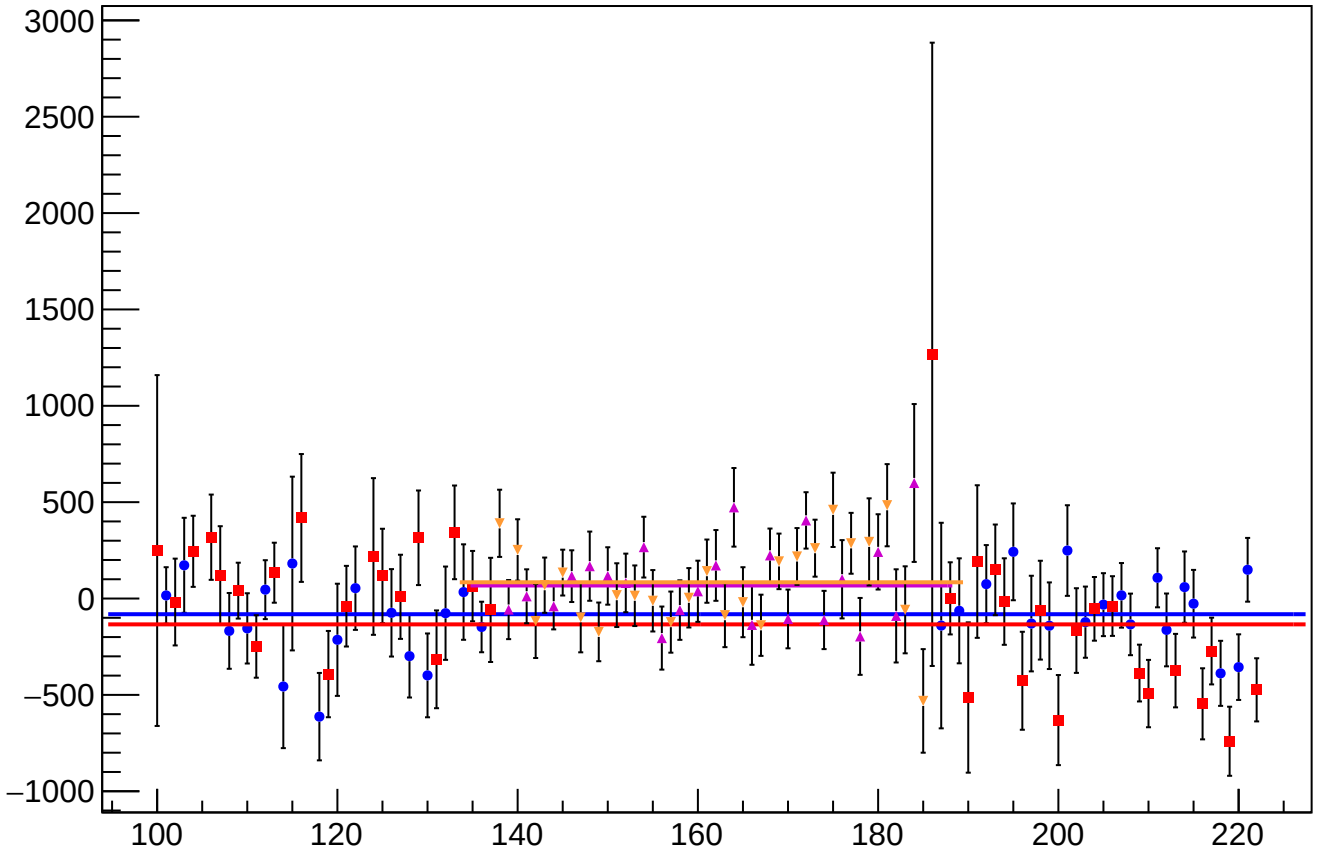
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1675.673+/-0.193 χ^2/NDF: 12968824.7/71

In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1258.229+/-0.149 χ^2/NDF:11189114.2/62

All: 1270.353+/-0.106 χ^2/NDF: 20928762.7/



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: -134.104+/-33.968 χ^2/NDF: 71.6/37

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

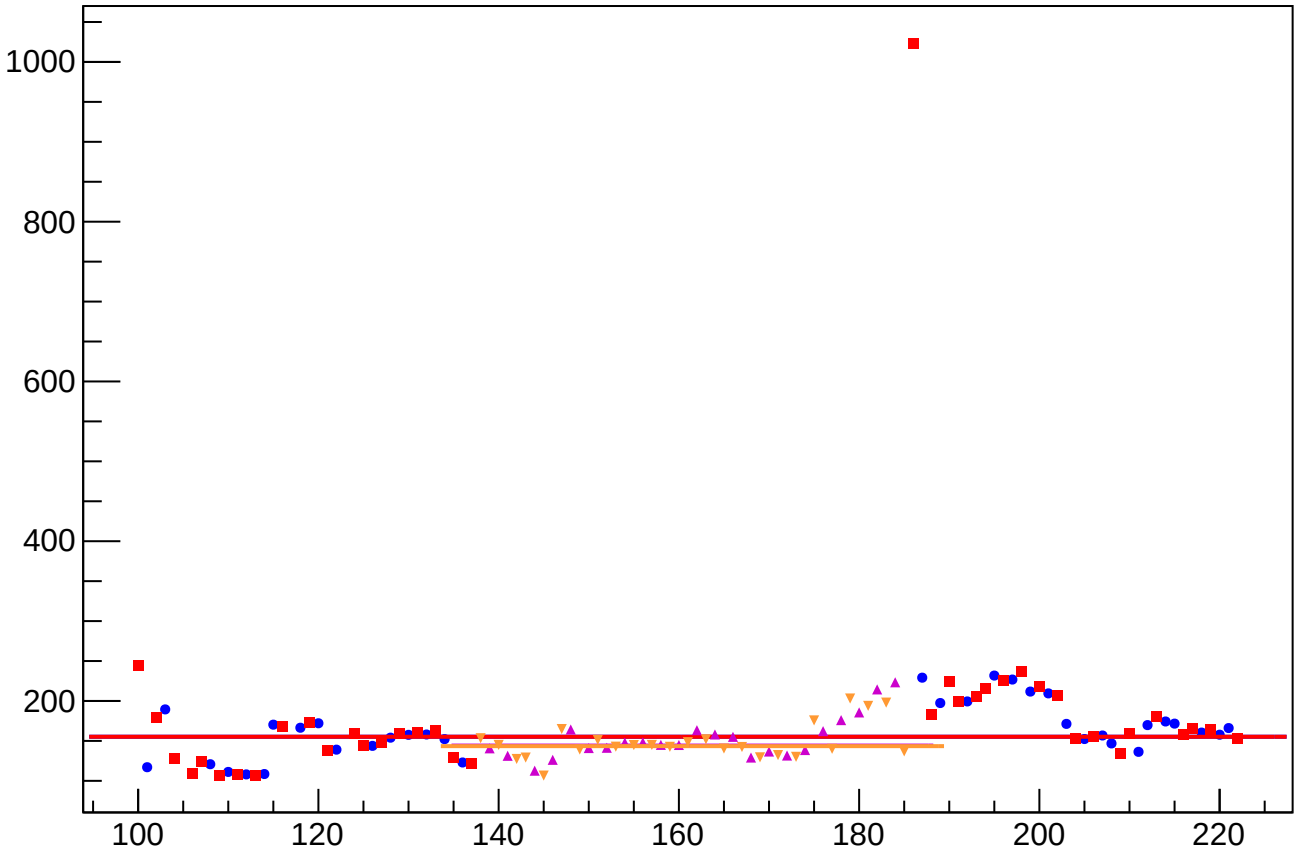
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -107.637+/-23.967 χ^2/NDF: 101.9/71

In: -7.567+/-24.026 χ^2/NDF:65.3/56

Out: -21.843+/-23.683 χ^2/NDF:126.6/62

All: -14.808+/-16.866 χ^2/NDF: 192.1/119



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: 155.191+/-0.024 χ^2/NDF: 2536508.7/37

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

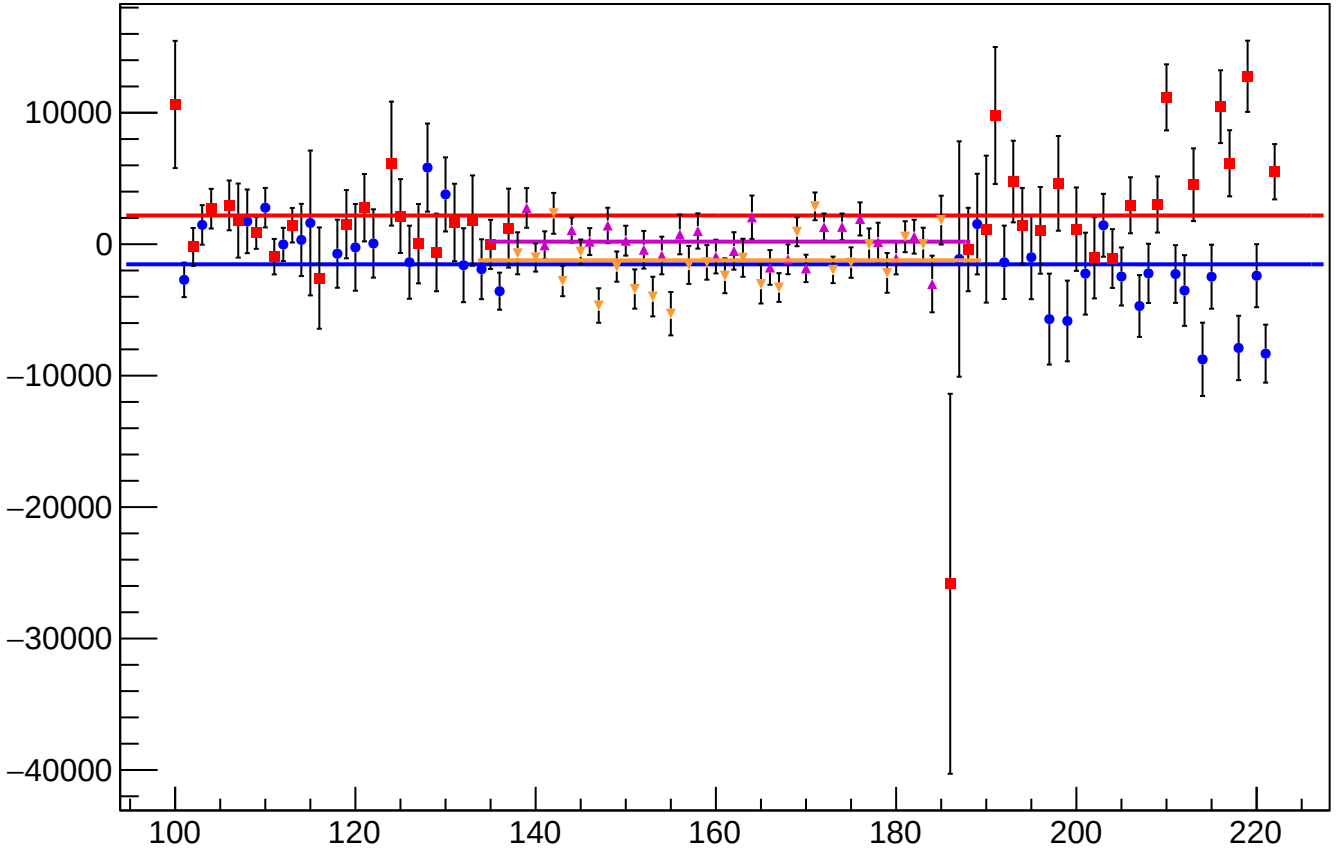
Right: 155.209+/-0.017 χ^2/NDF: 4154306.3/71

In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.154+/-0.017 χ^2/NDF:3406480.6/62

All: 149.448+/-0.012 χ^2/NDF: 5833494.2/119

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 2185.912+/-380.977 χ^2/NDF: 72.6/37

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

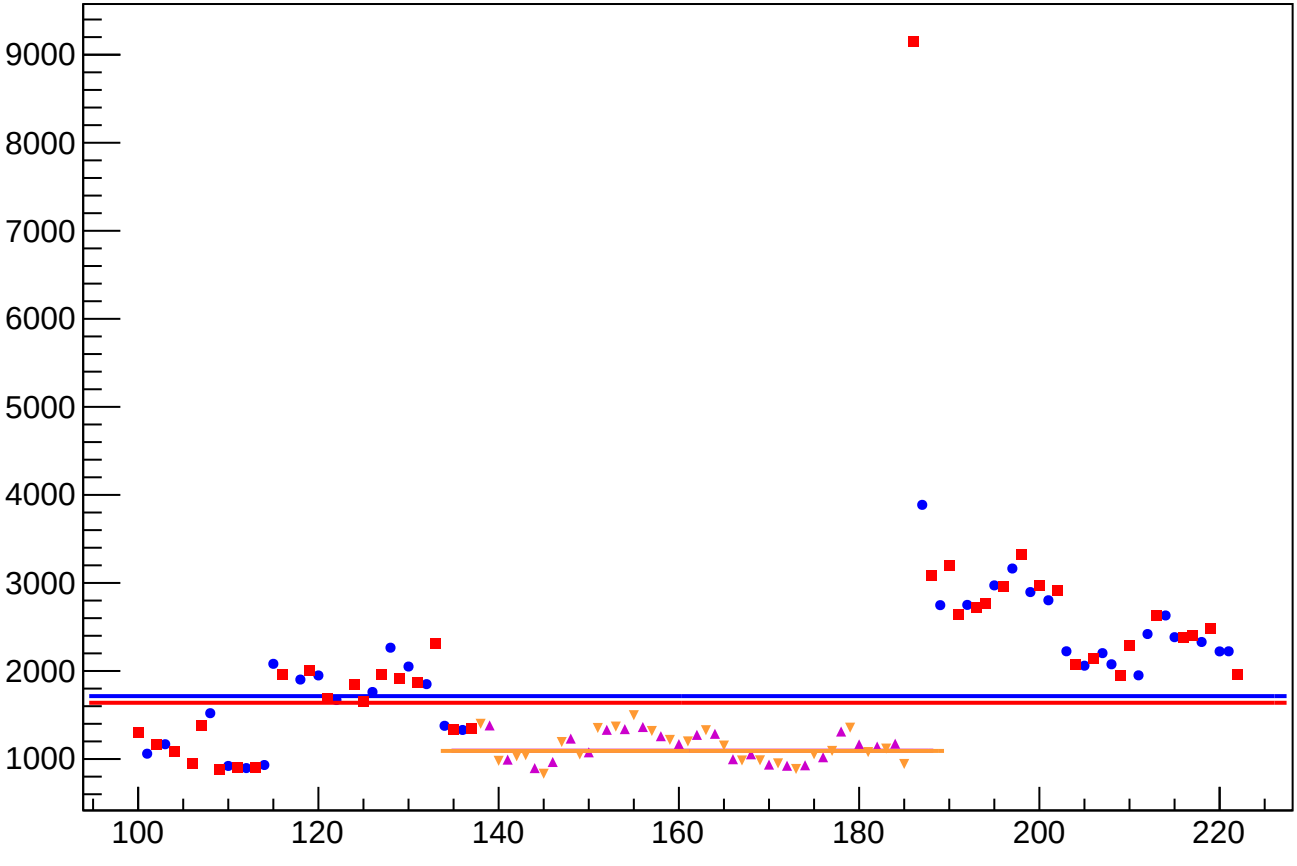
Right: 378.658+/-273.024 χ^2/NDF: 178.7/71

In: -330.644+/-215.958 χ^2/NDF:96.6/56

Out: -188.210+/-210.045 χ^2/NDF:187.6/62

All: -257.451+/-150.571 χ^2/NDF: 284.5/119

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: 1638.910+/-0.269 χ^2/NDF: 7427709.6/37

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

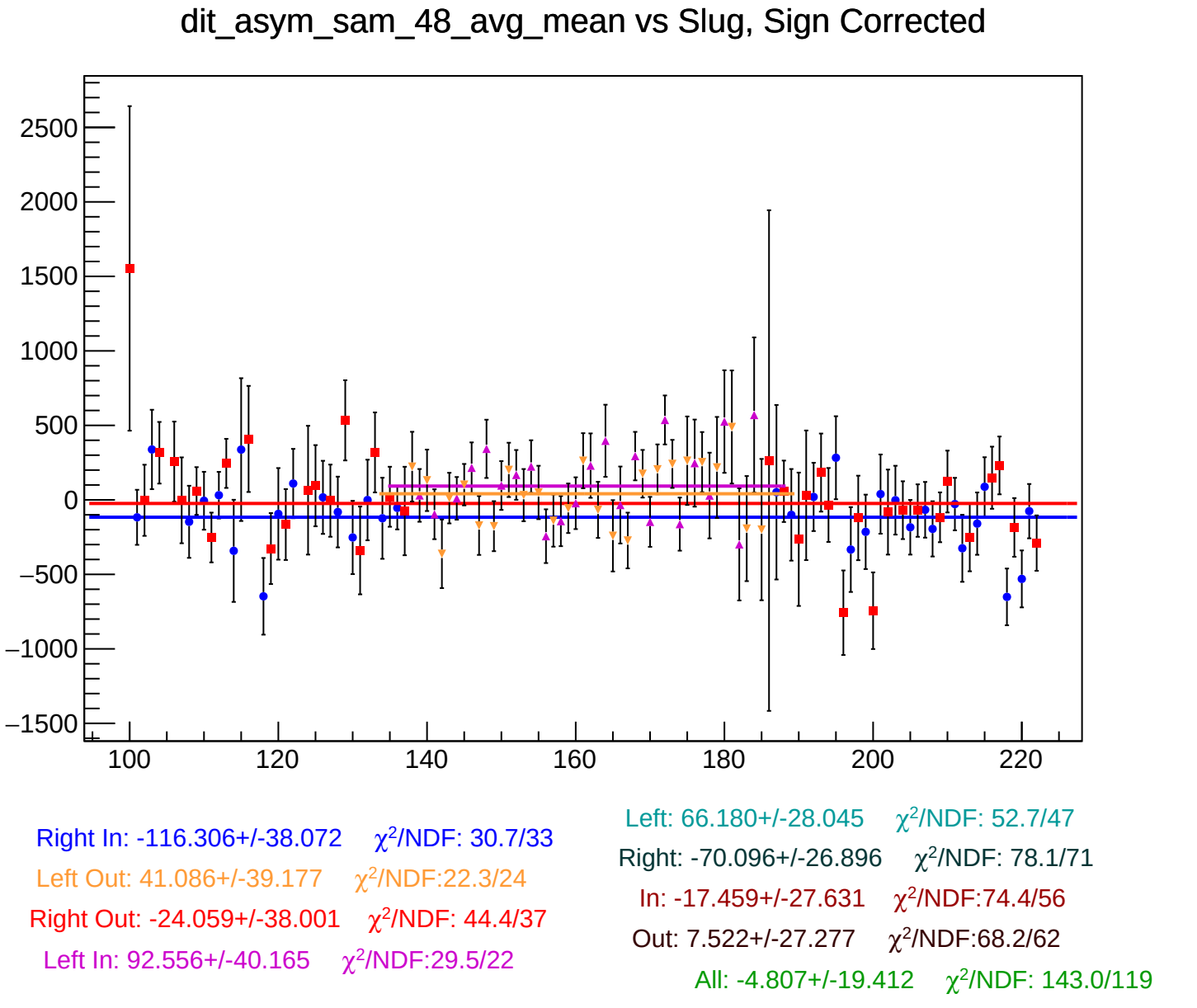
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1675.673+/-0.193 χ^2/NDF: 12968824.7/71

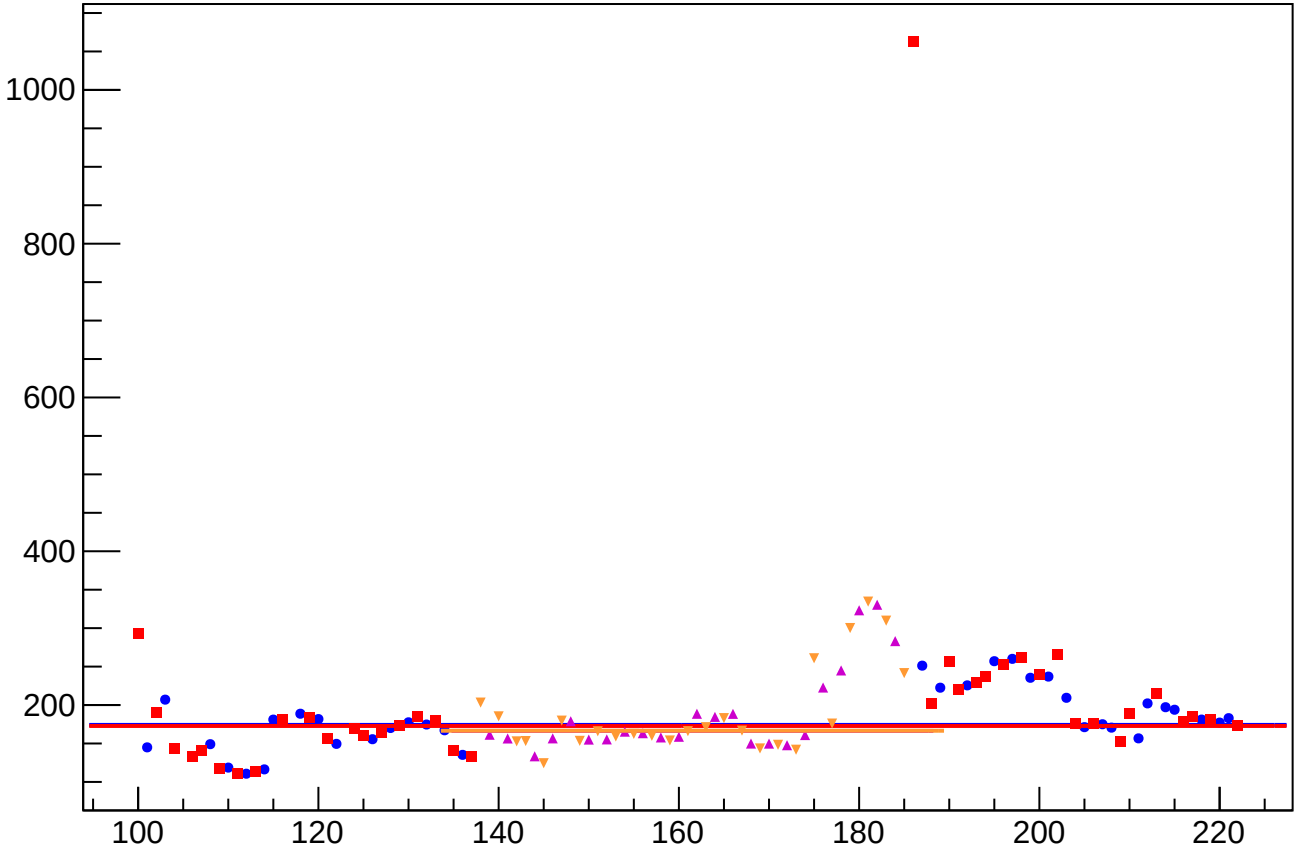
In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1258.229+/-0.149 χ^2/NDF:11189114.2/62

All: 1270.353+/-0.106 χ^2/NDF: 20928762.7/


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: -24.059+/-38.001 χ²/NDF: 44.4/37
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -70.096+/-26.896 χ²/NDF: 78.1/71
In: -17.459+/-27.631 χ²/NDF:74.4/56
Out: 7.522+/-27.277 χ²/NDF:68.2/62
All: -4.807+/-19.412 χ²/NDF: 143.0/119

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: 172.804+/-0.027 χ^2/NDF: 2772351.2/37

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

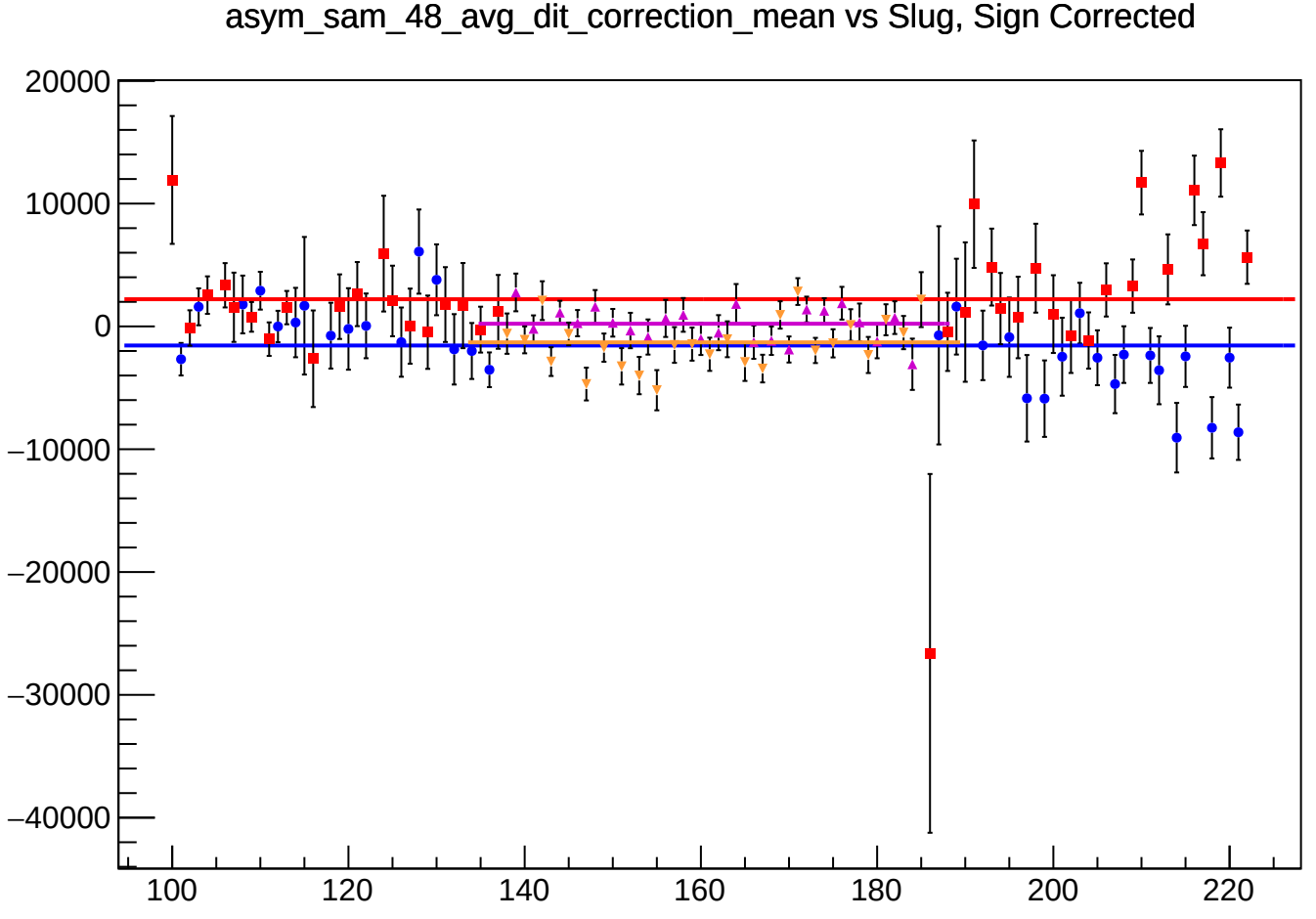
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.471+/-0.019 χ^2/NDF: 4540059.9/71

In: 170.433+/-0.020 χ^2/NDF:3198997.0/56

Out: 169.796+/-0.019 χ^2/NDF:4518043.7/62

All: 170.111+/-0.014 χ^2/NDF: 7717579.9/119



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: 2213.536+/-384.821 χ^2/NDF: 77.3/37

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

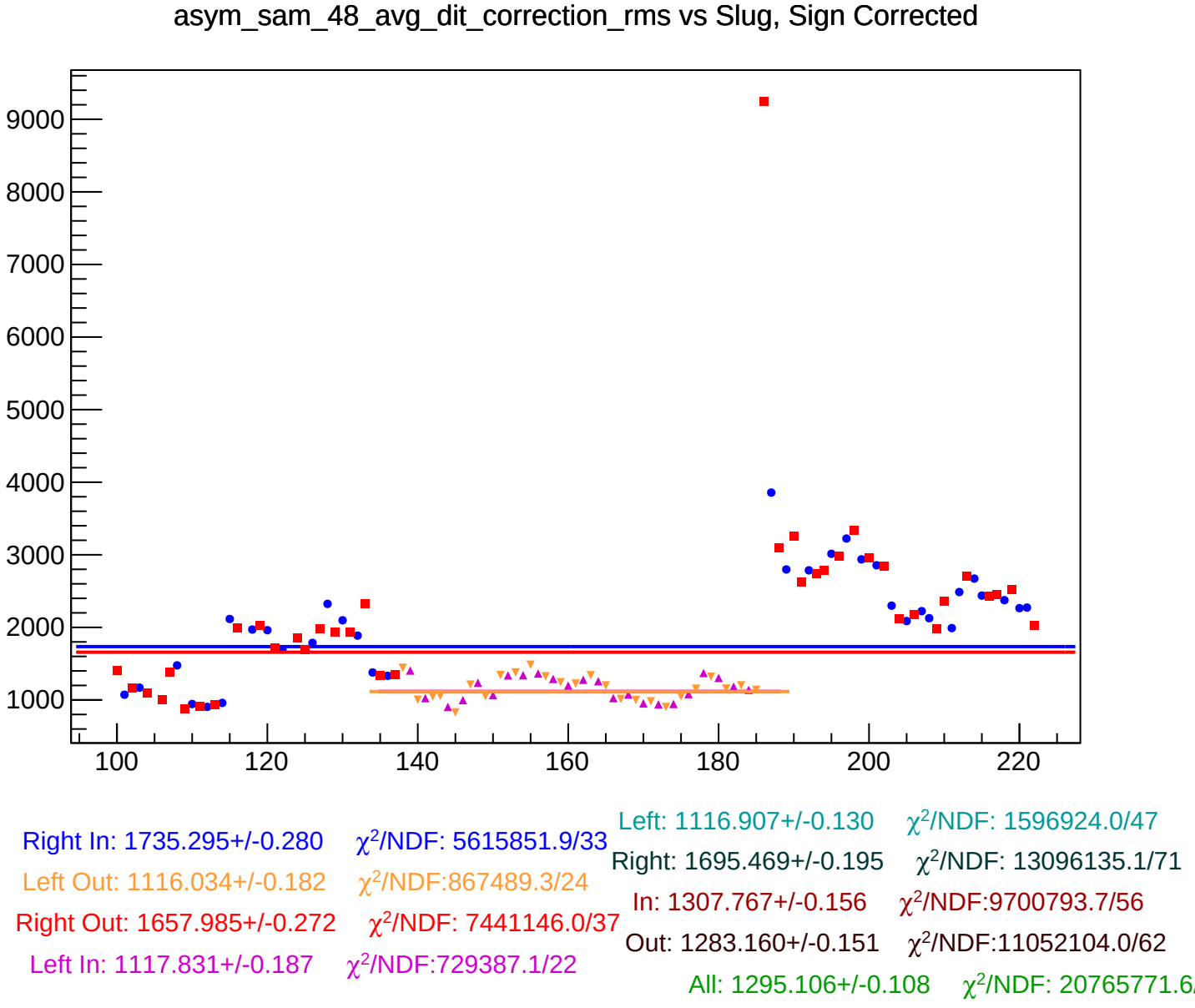
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

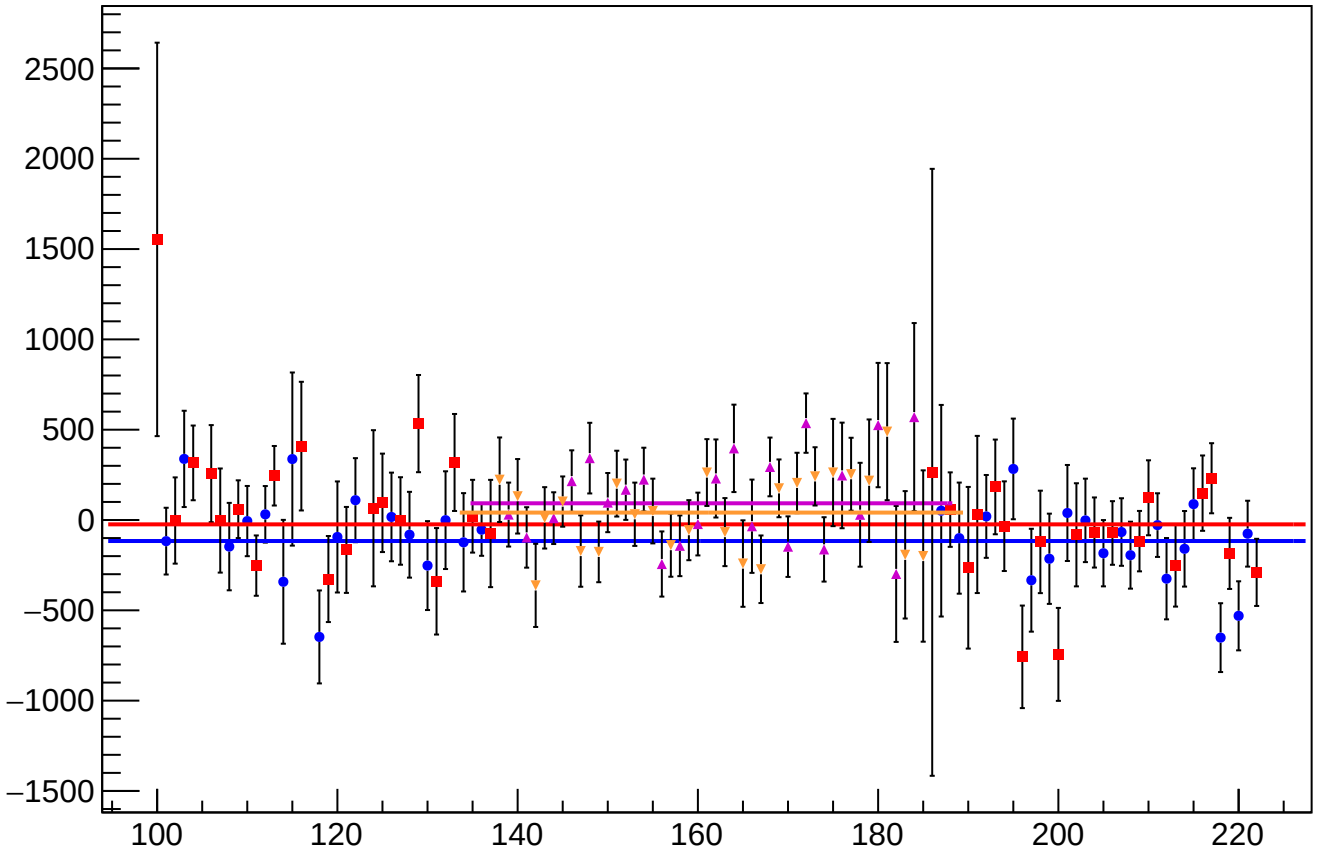
Right: 386.652+/-276.201 χ^2/NDF: 185.0/71

In: -327.692+/-219.998 χ^2/NDF:97.3/56

Out: -215.346+/-213.699 χ^2/NDF:190.0/62

All: -269.888+/-153.286 χ^2/NDF: 287.4/119


asym_sam_48_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: 1735.295+/-0.280 χ²/NDF: 5615851.9/33
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1657.985+/-0.272 χ²/NDF: 7441146.0/37
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1695.469+/-0.195 χ²/NDF: 13096135.1/71
In: 1307.767+/-0.156 χ²/NDF:9700793.7/56
Out: 1283.160+/-0.151 χ²/NDF:11052104.0/62
All: 1295.106+/-0.108 χ²/NDF: 20765771.6/



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: -24.063+/-38.001 χ^2/NDF: 44.4/37

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

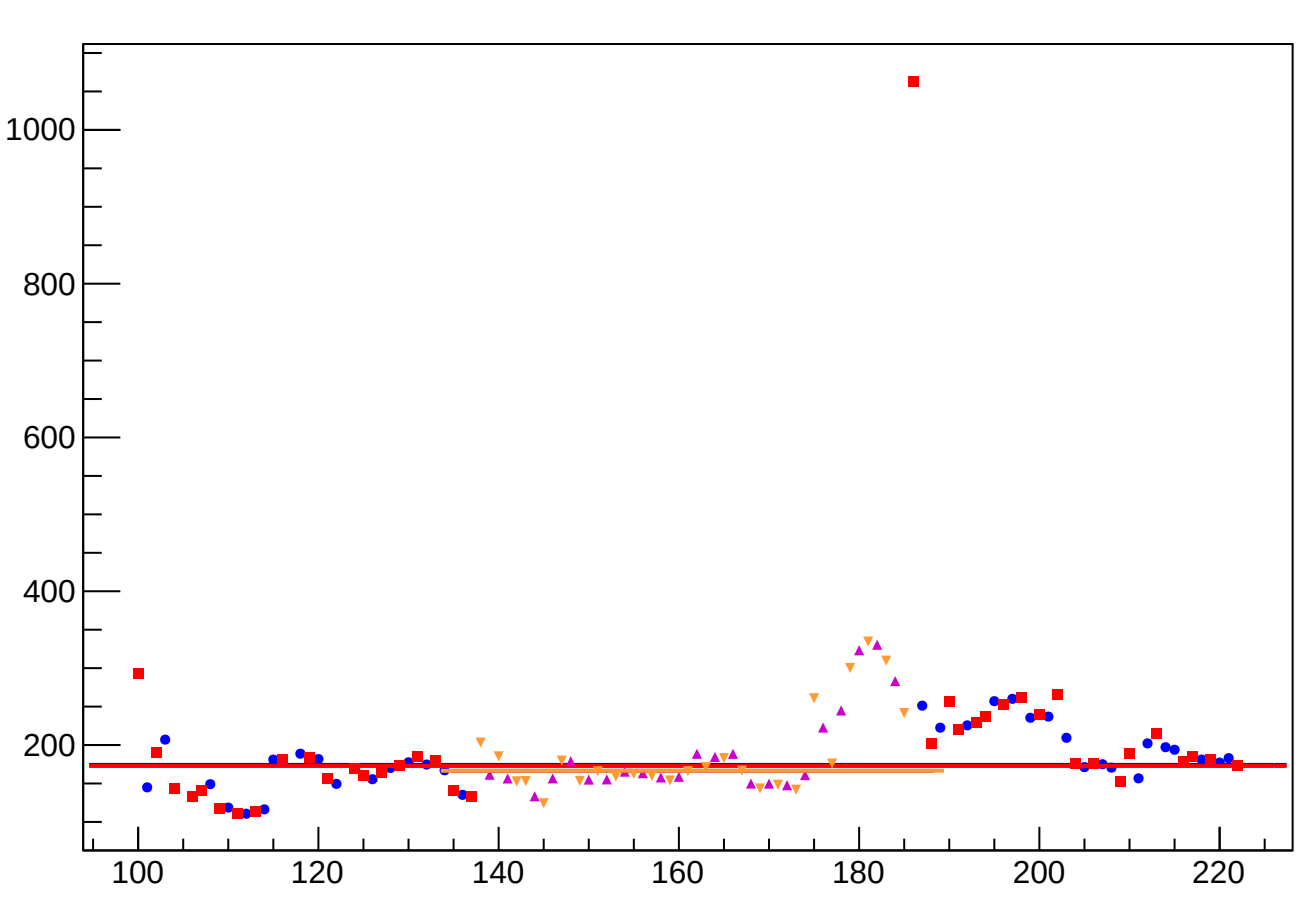
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -70.096+/-26.896 χ^2/NDF: 78.1/71

In: -17.457+/-27.631 χ^2/NDF:74.4/56

Out: 7.521+/-27.277 χ^2/NDF:68.2/62

All: -4.807+/-19.412 χ^2/NDF: 143.0/119



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: 172.804+/-0.027 χ^2/NDF: 2772352.2/37

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

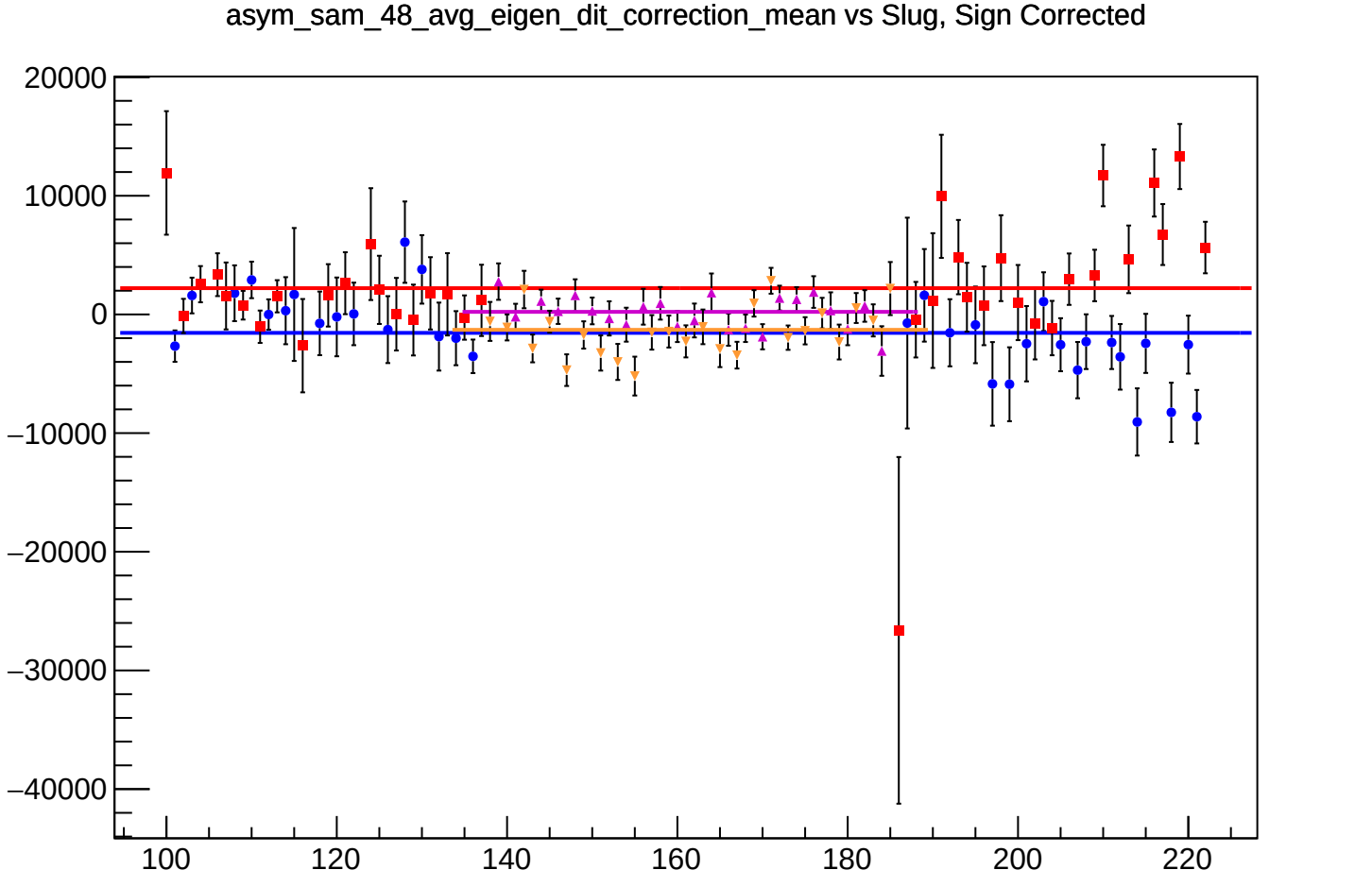
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.471+/-0.019 χ^2/NDF: 4540039.9/71

In: 170.433+/-0.020 χ^2/NDF:3198951.5/56

Out: 169.796+/-0.019 χ^2/NDF:4518035.2/62

All: 170.111+/-0.014 χ^2/NDF: 7717525.8/119



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: 2213.533+/-384.821 χ^2/NDF: 77.3/37

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

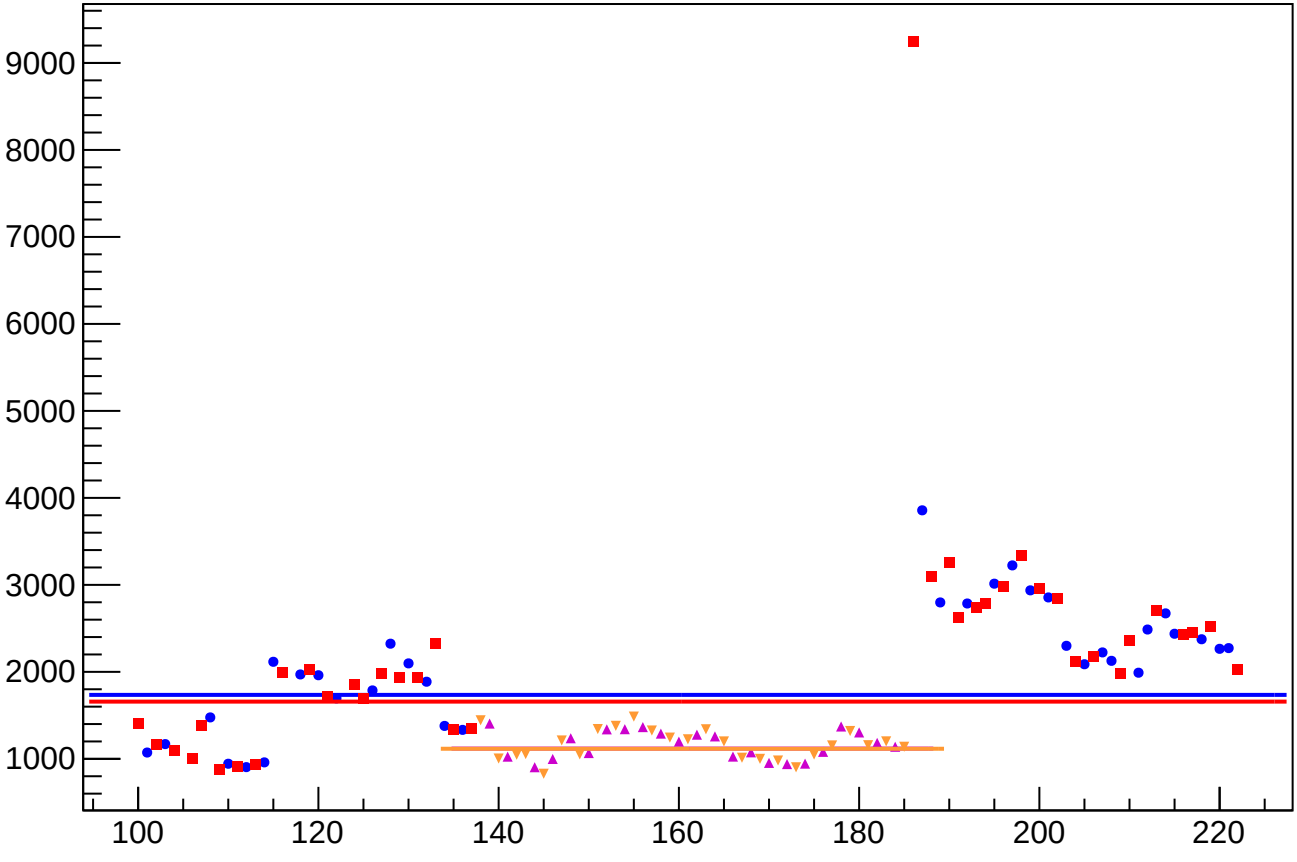
Right: 386.651+/-276.201 χ^2/NDF: 185.0/71

In: -327.692+/-219.997 χ^2/NDF:97.3/56

Out: -215.346+/-213.698 χ^2/NDF:190.0/62

All: -269.888+/-153.286 χ^2/NDF: 287.4/119

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: 1657.983+/-0.272 χ^2/NDF: 7441145.5/37

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

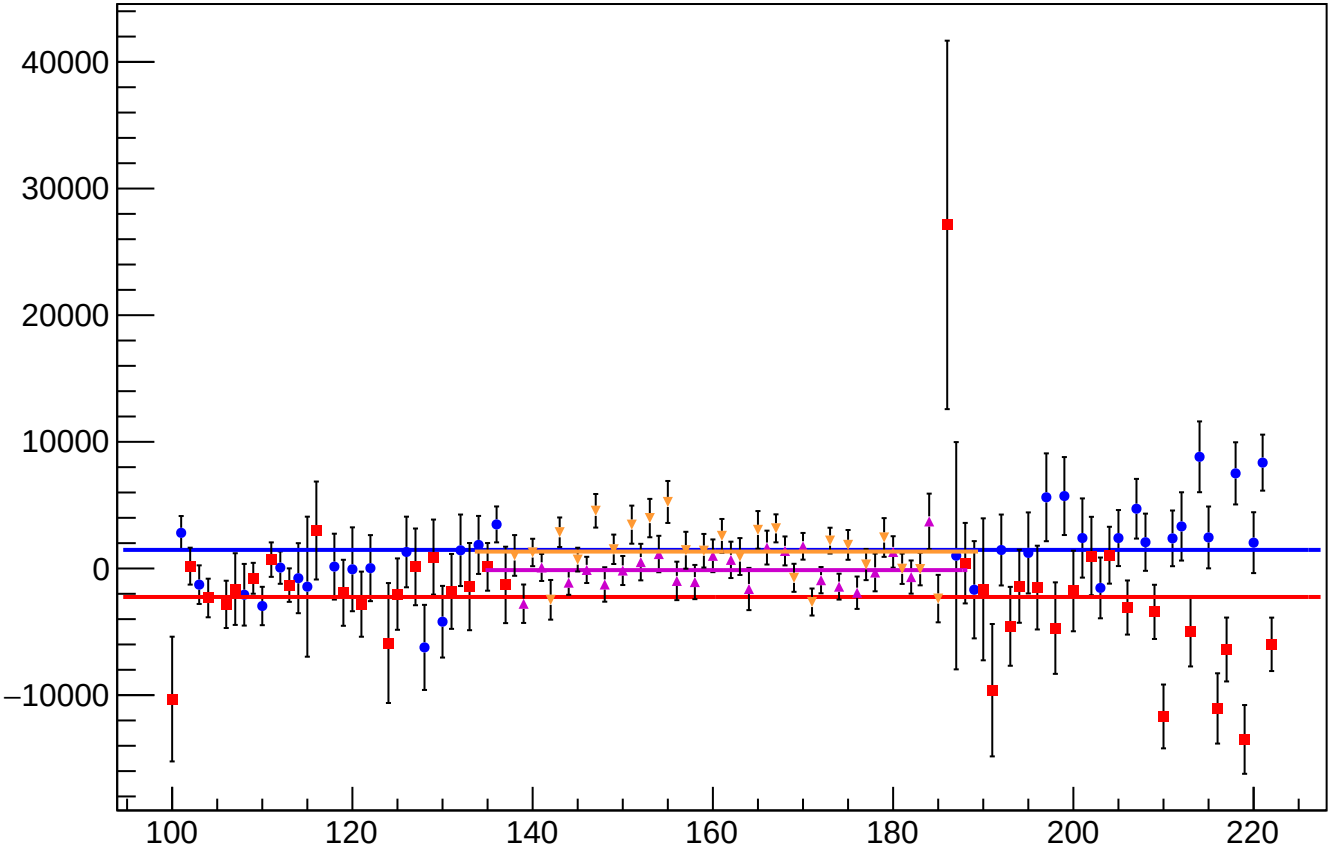
Right: 1695.467+/-0.195 χ^2/NDF: 13096134.5/71

In: 1307.765+/-0.156 χ^2/NDF:9700801.7/56

Out: 1283.158+/-0.151 χ^2/NDF:11052115.2/62

All: 1295.104+/-0.108 χ^2/NDF: 20765790.9/

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: -2250.286+/-382.757 χ^2/NDF: 78.0/37

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

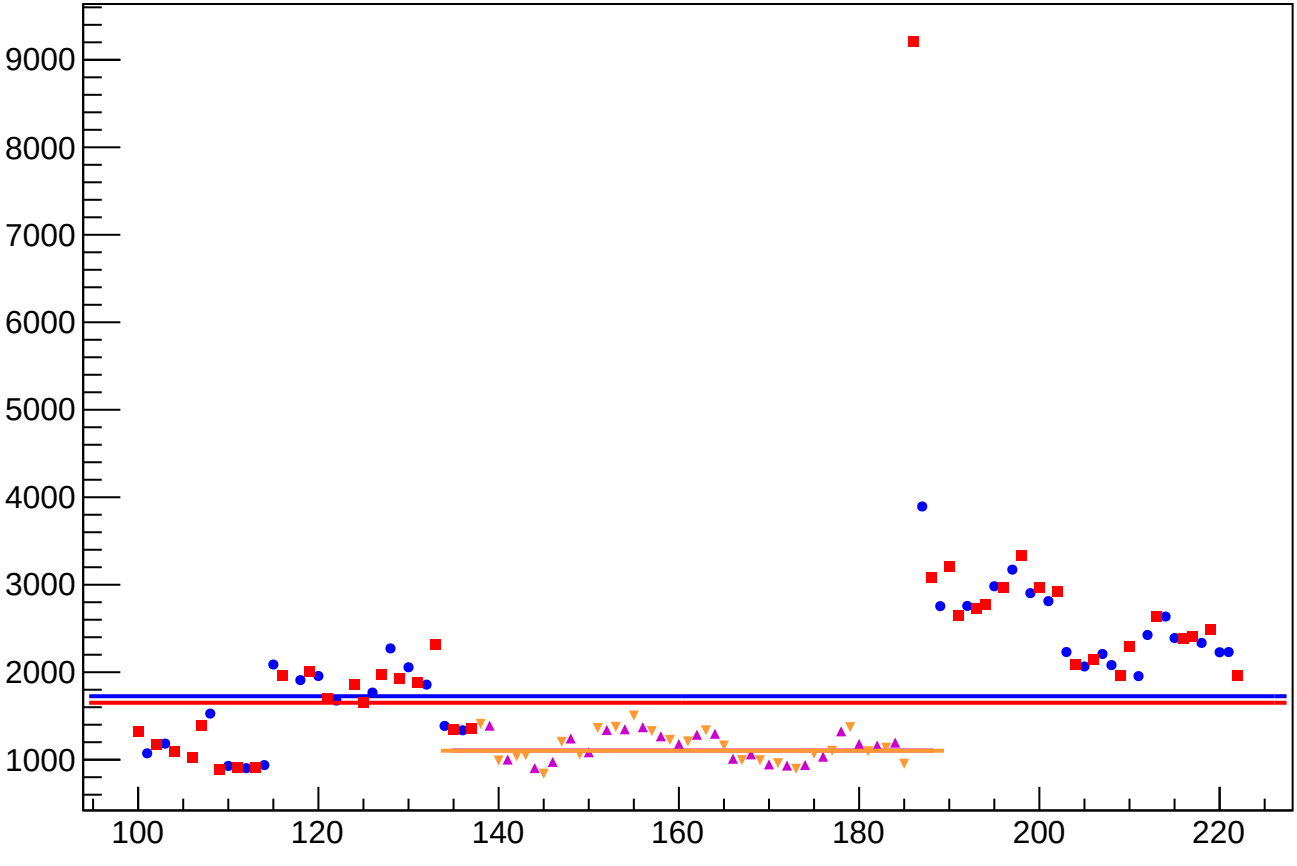
Right: -443.624+/-274.419 χ^2/NDF: 184.4/71

In: 359.972+/-217.769 χ^2/NDF:95.9/56

Out: 237.525+/-211.747 χ^2/NDF:194.6/62

All: 297.032+/-151.812 χ^2/NDF: 290.7/119

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: 1651.143+/-0.271 χ^2/NDF: 7317070.8/37

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

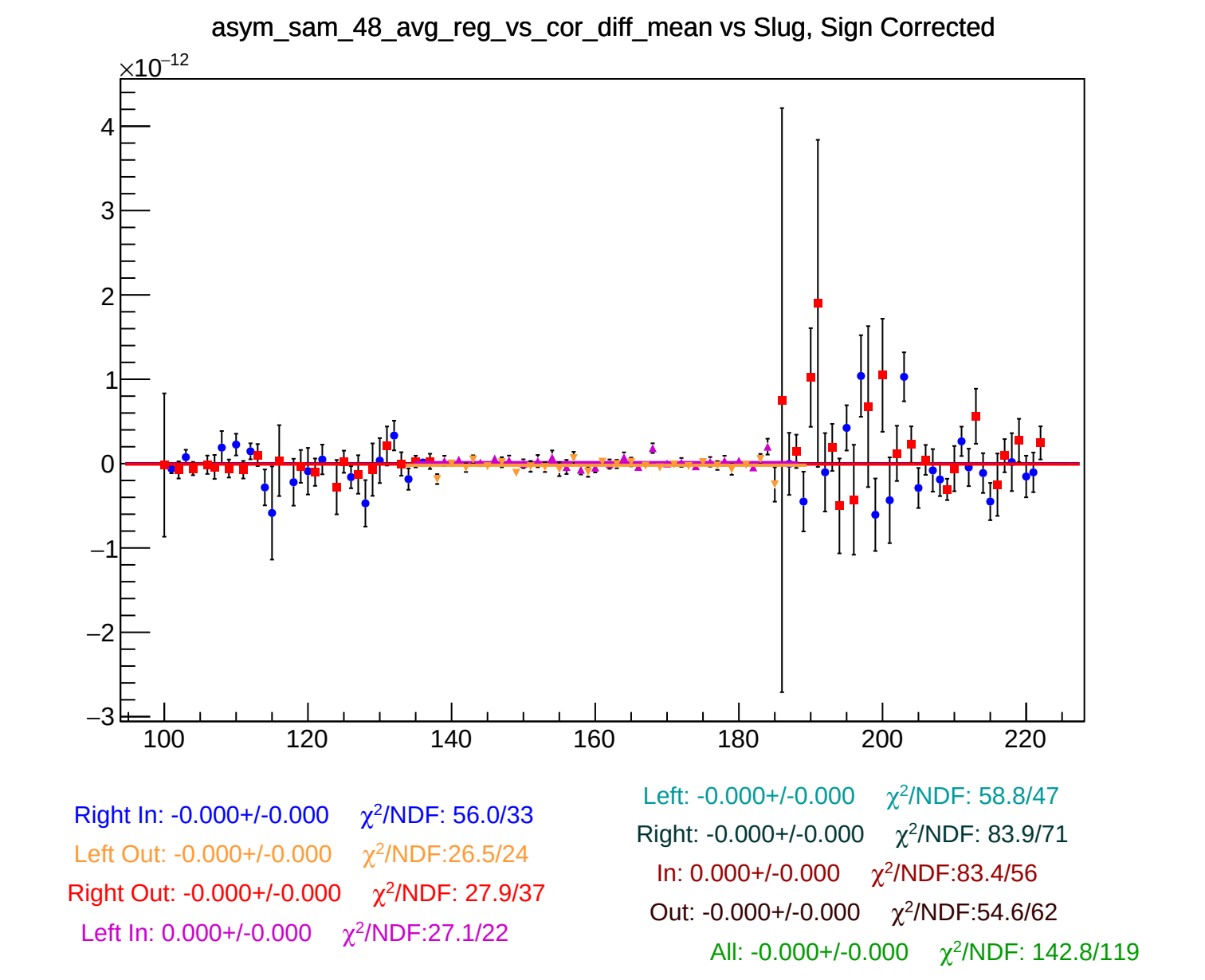
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

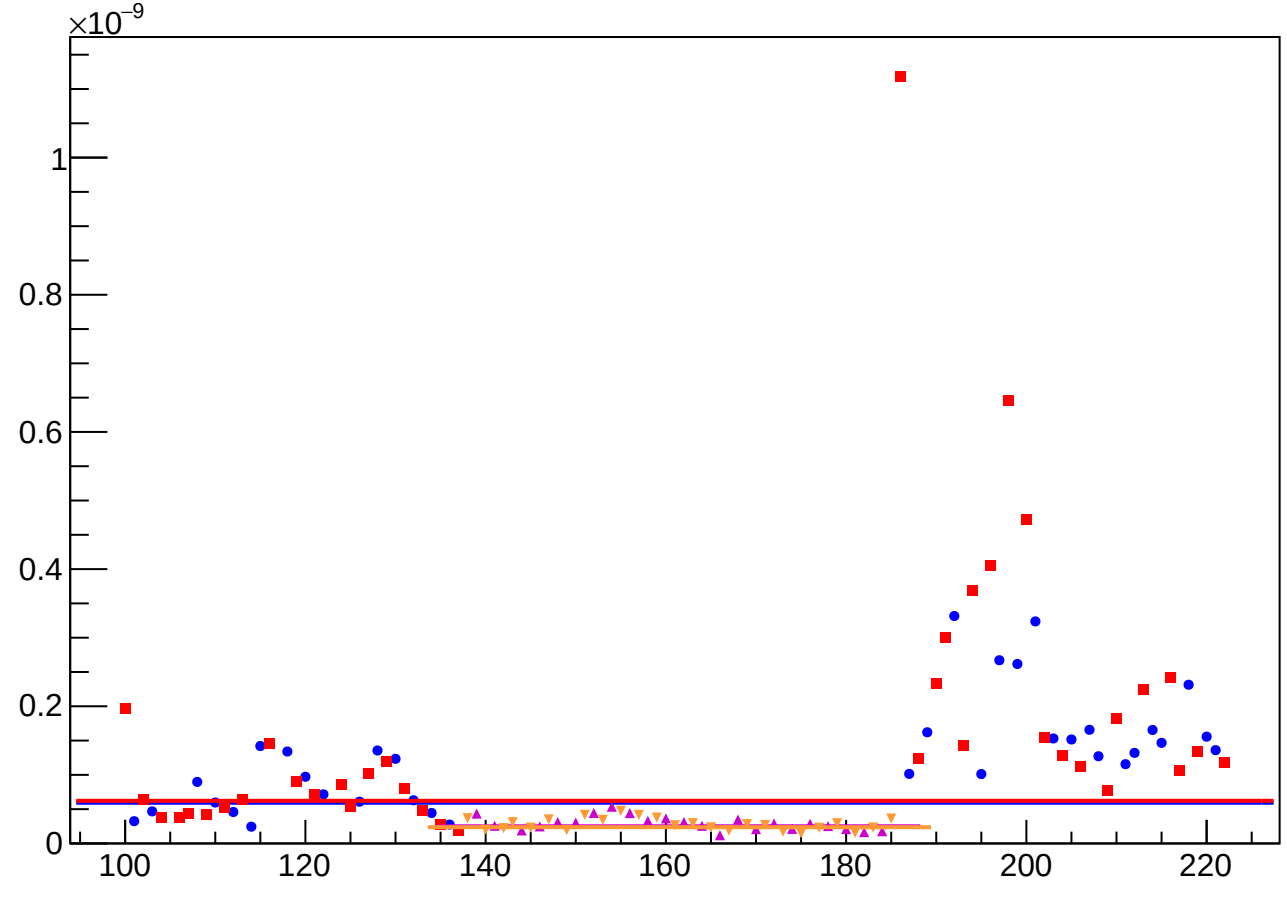
Right: 1687.393+/-0.194 χ^2/NDF: 12781261.1/71

In: 1295.111+/-0.154 χ^2/NDF:9599523.9/56

Out: 1270.550+/-0.150 χ^2/NDF:11047084.6/62

All: 1282.486+/-0.107 χ^2/NDF: 20659685.6/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 56.0/33
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.9/37
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: 83.9/71
In: 0.000+/-0.000 χ²/NDF:83.4/56
Out: -0.000+/-0.000 χ²/NDF:54.6/62
All: -0.000+/-0.000 χ²/NDF: 142.8/119



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: 7450065.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

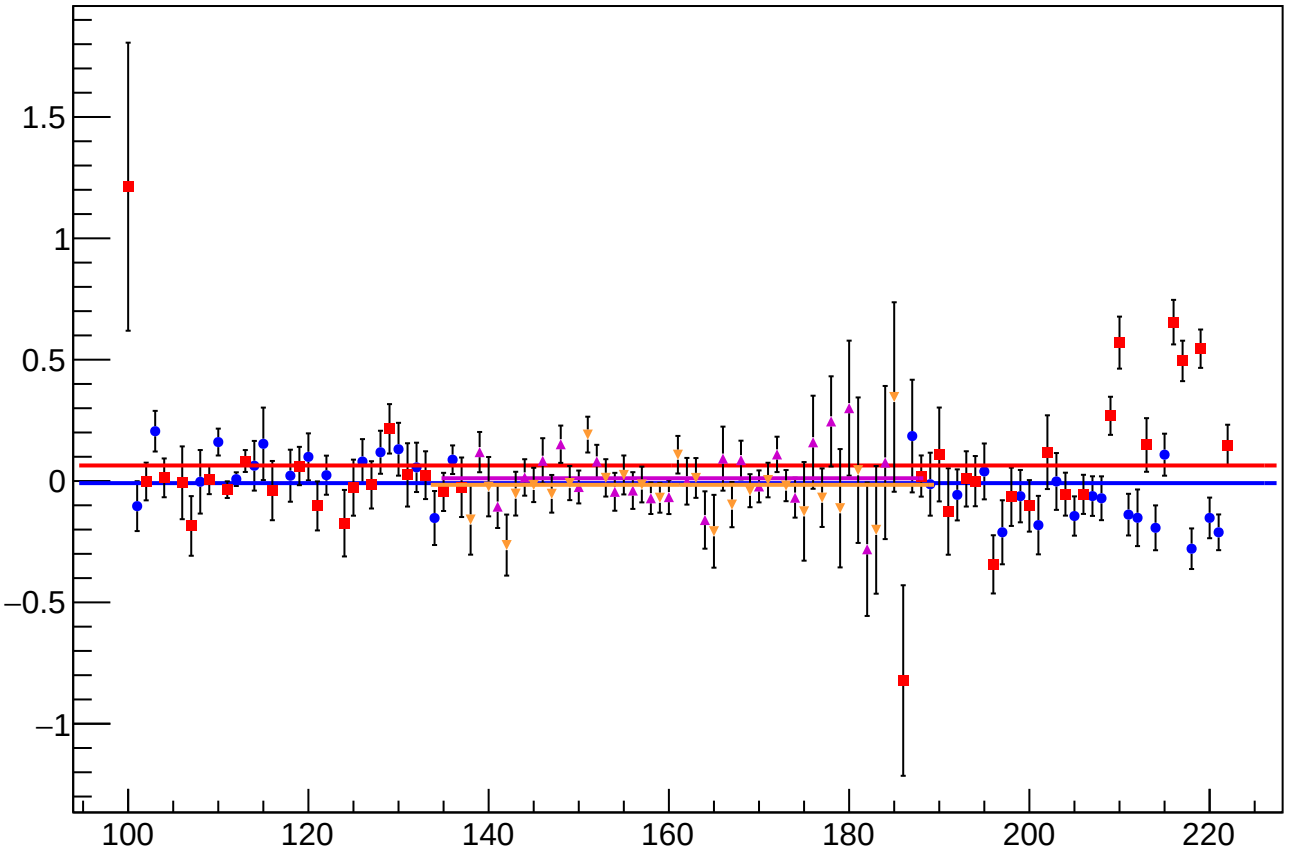
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15147419.9/71

In: 0.000+/-0.000 χ^2/NDF:12547801.9/56

Out: 0.000+/-0.000 χ^2/NDF:12773558.6/62

All: 0.000+/-0.000 χ^2/NDF: 25373432.6/119



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: 0.064+/-0.014 χ^2/NDF: 193.8/37

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

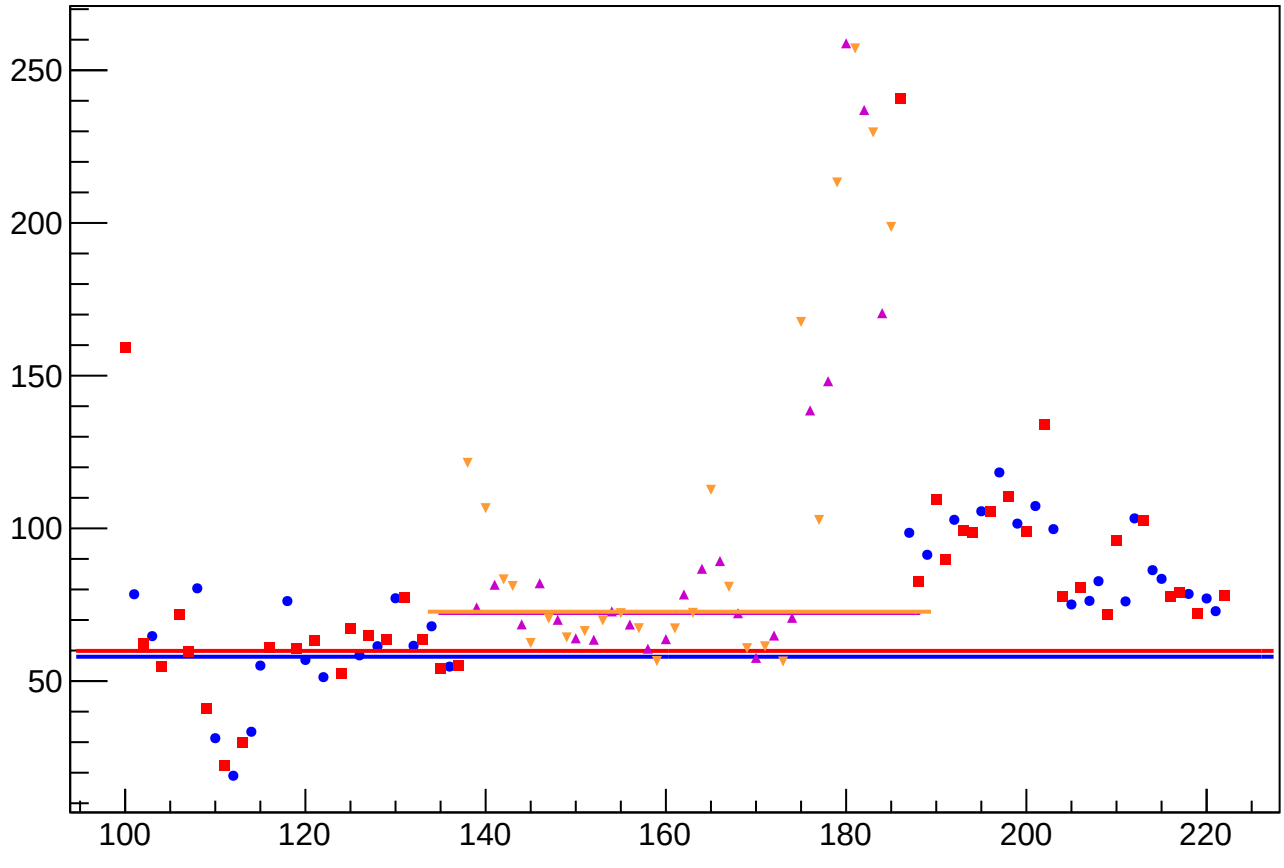
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.010 χ^2/NDF: 276.6/71

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.033+/-0.011 χ^2/NDF:227.5/62

All: 0.016+/-0.008 χ^2/NDF: 326.0/119



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: 59.883+/-0.010 χ^2/NDF: 7427526.7/37

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

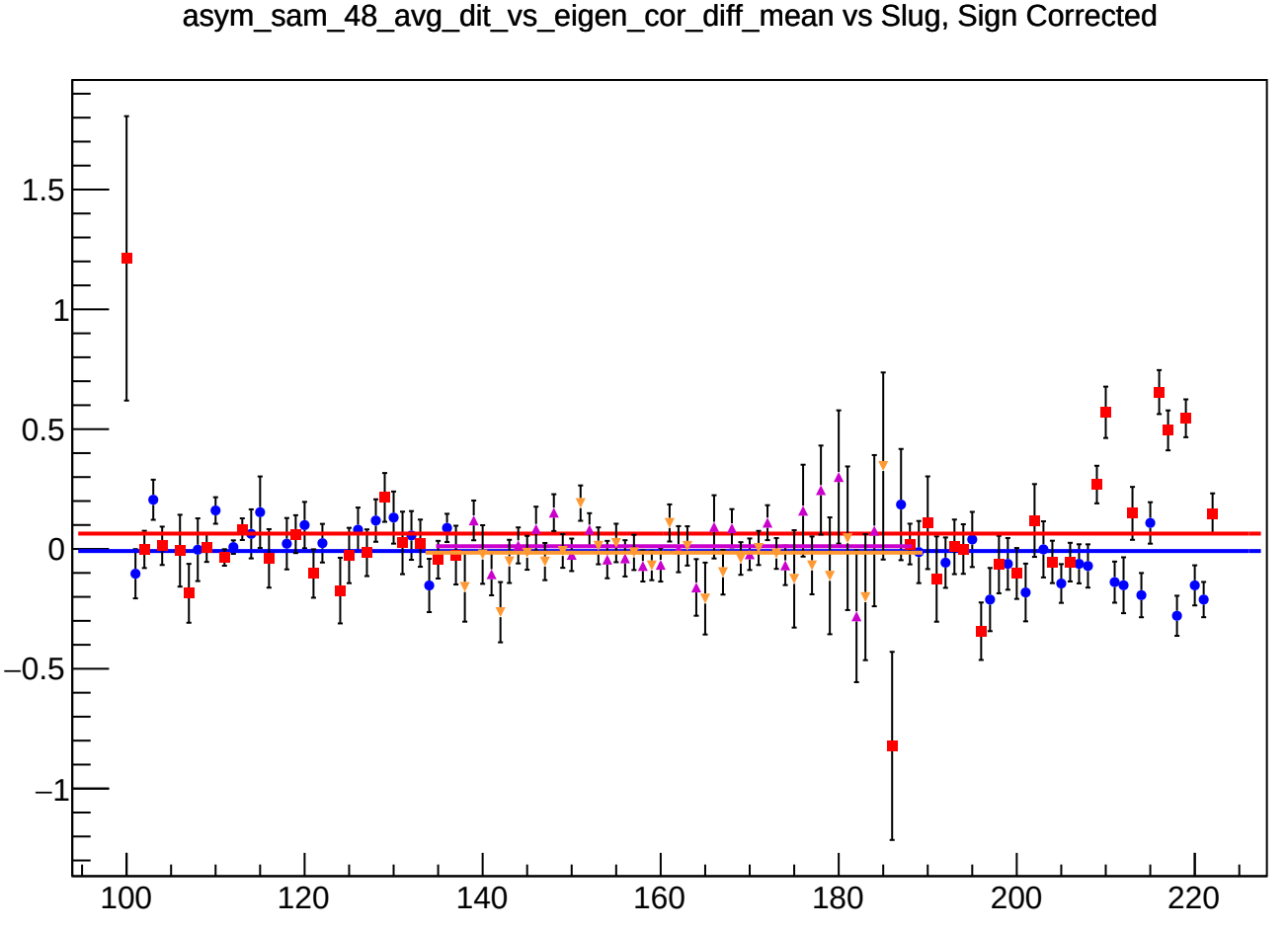
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.917+/-0.007 χ^2/NDF: 15803226.2/71

In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 64.835+/-0.008 χ^2/NDF:12015600.6/62

All: 64.073+/-0.006 χ^2/NDF: 23954347.7/119



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: 0.064+/-0.014 χ^2/NDF: 193.8/37

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

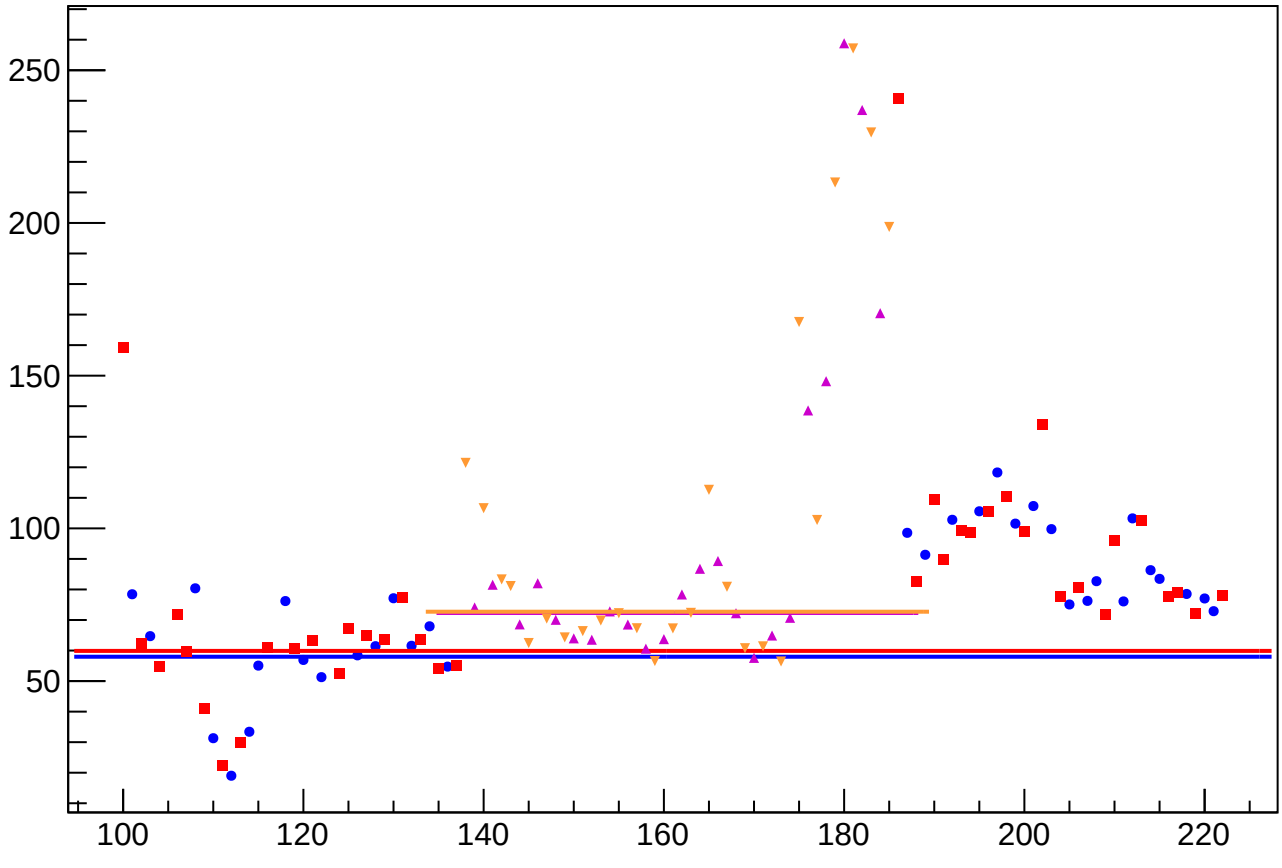
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.010 χ^2/NDF: 276.6/71

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.033+/-0.011 χ^2/NDF:227.5/62

All: 0.016+/-0.008 χ^2/NDF: 326.0/119



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: 59.883+/-0.010 χ^2/NDF: 7427526.7/37

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

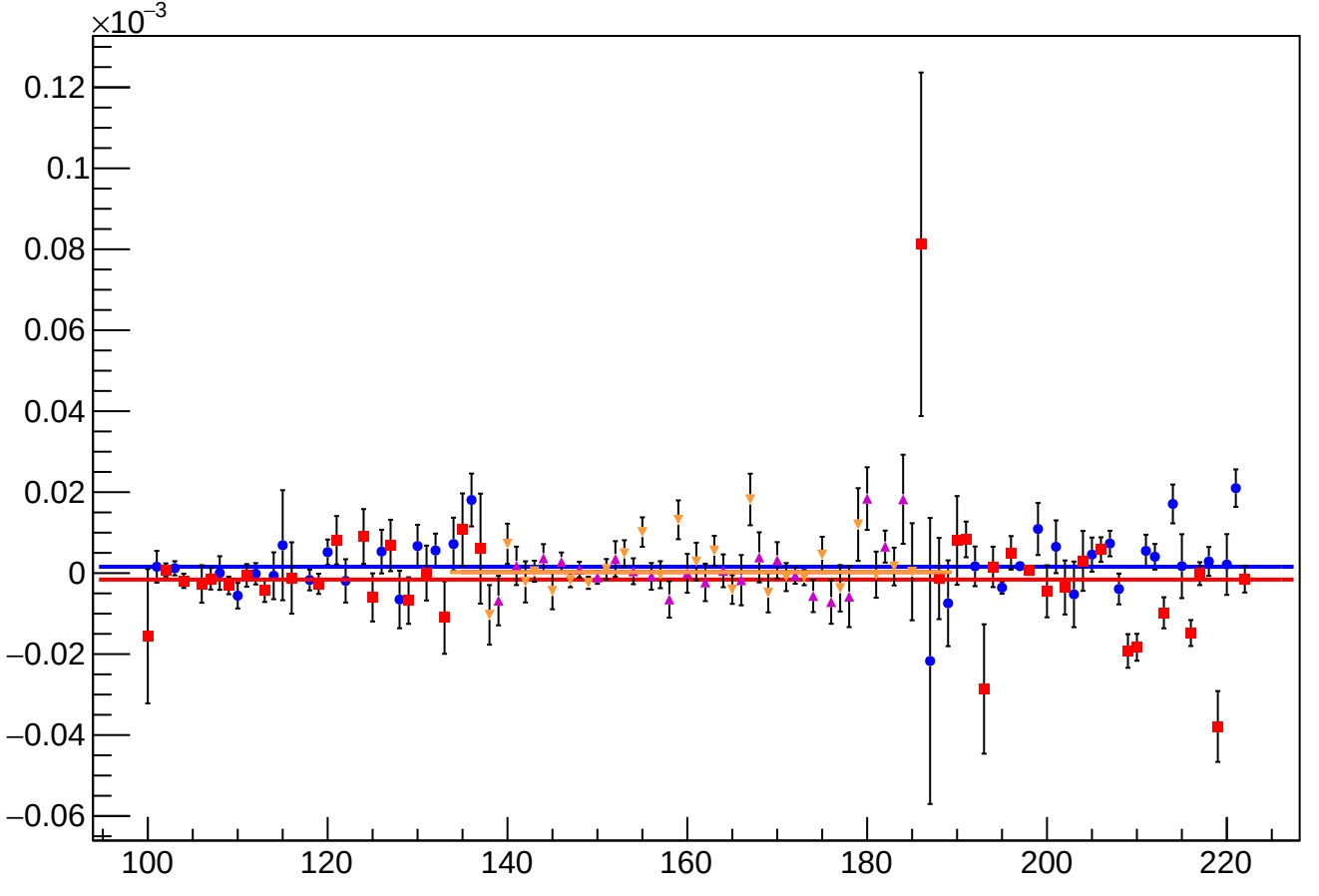
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.917+/-0.007 χ^2/NDF: 15803226.2/71

In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 64.835+/-0.008 χ^2/NDF:12015600.6/62

All: 64.073+/-0.006 χ^2/NDF: 23954347.7/119



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: 125.4/37

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

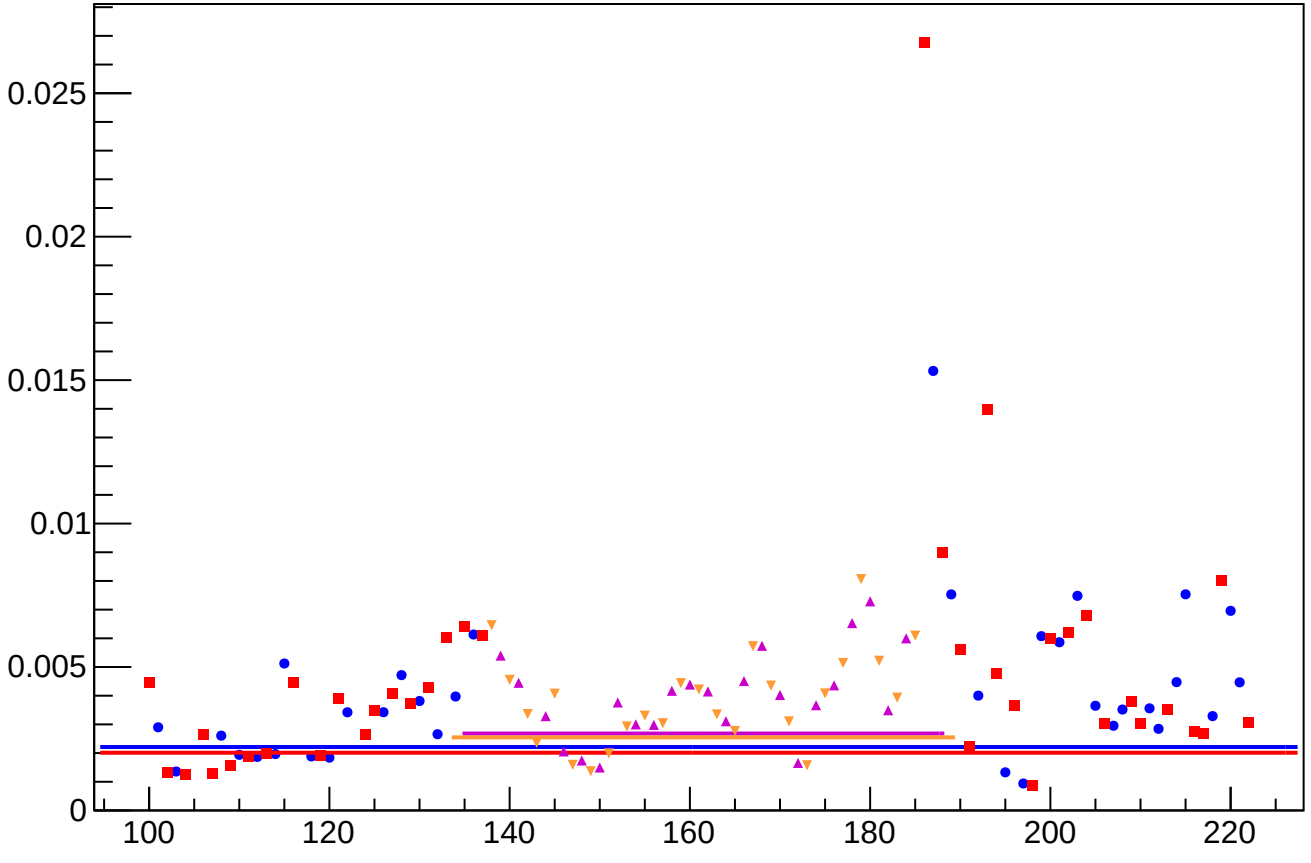
Right: -0.000+/-0.000 χ^2/NDF: 213.8/71

In: 0.000+/-0.000 χ^2/NDF:98.1/56

Out: -0.000+/-0.000 χ^2/NDF:173.5/62

All: 0.000+/-0.000 χ^2/NDF: 281.7/119

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: 14552502.0/37

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

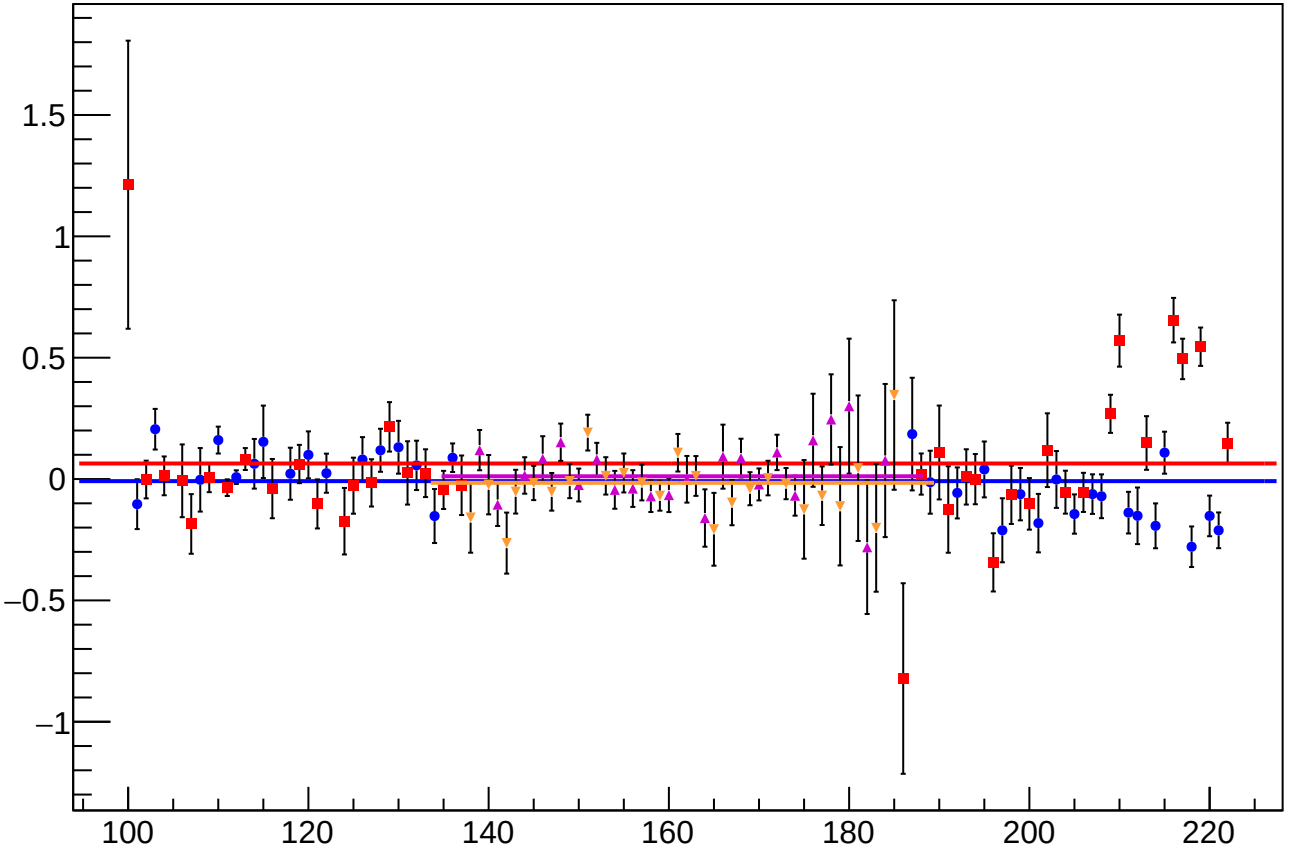
Right: 0.002+/-0.000 χ^2/NDF: 26721993.7/71

In: 0.002+/-0.000 χ^2/NDF:19075140.8/56

Out: 0.002+/-0.000 χ^2/NDF:22860904.9/62

All: 0.002+/-0.000 χ^2/NDF: 42102515.0/119

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.064+/-0.014 χ^2/NDF: 193.8/37

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

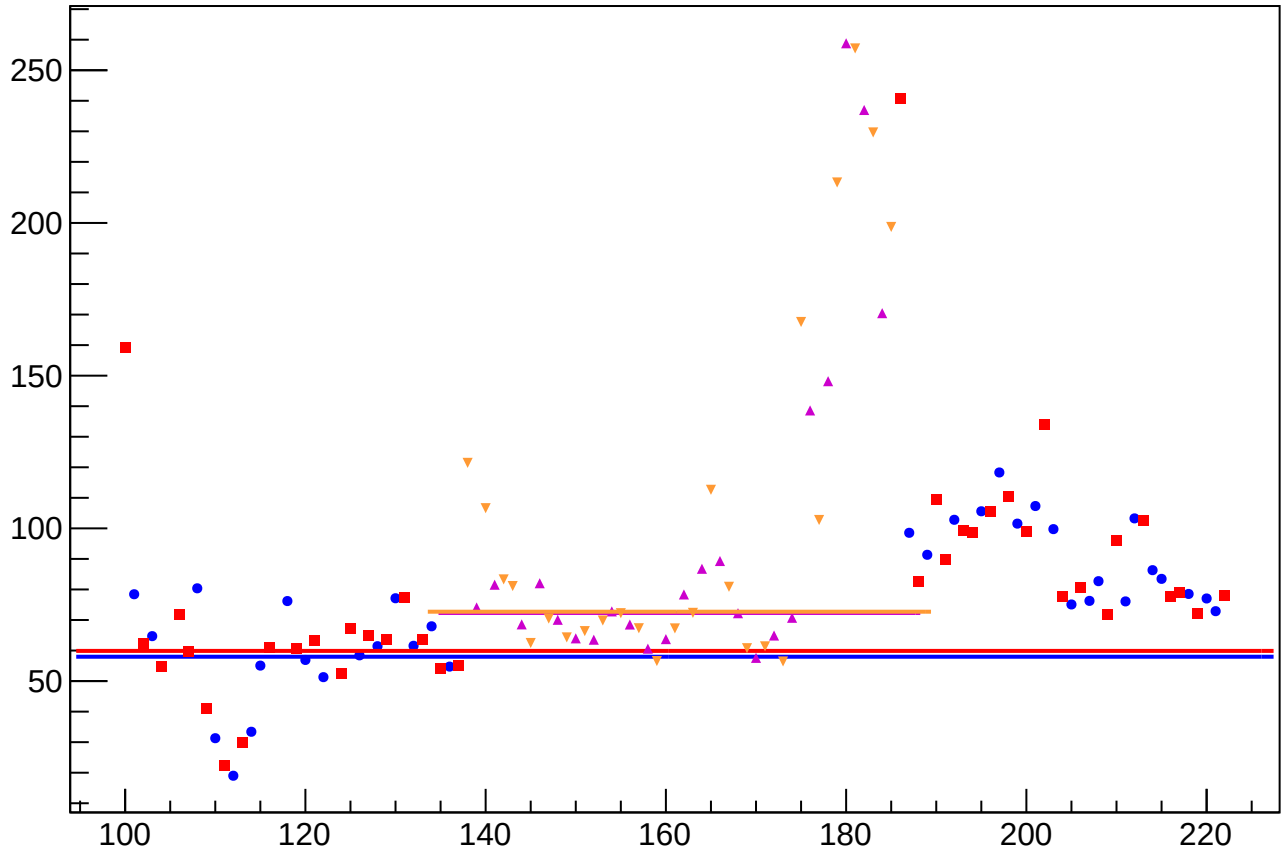
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.010 χ^2/NDF: 276.6/71

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.033+/-0.011 χ^2/NDF:227.5/62

All: 0.016+/-0.008 χ^2/NDF: 326.0/119



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: 59.882+/-0.010 χ^2/NDF: 7427854.4/37

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

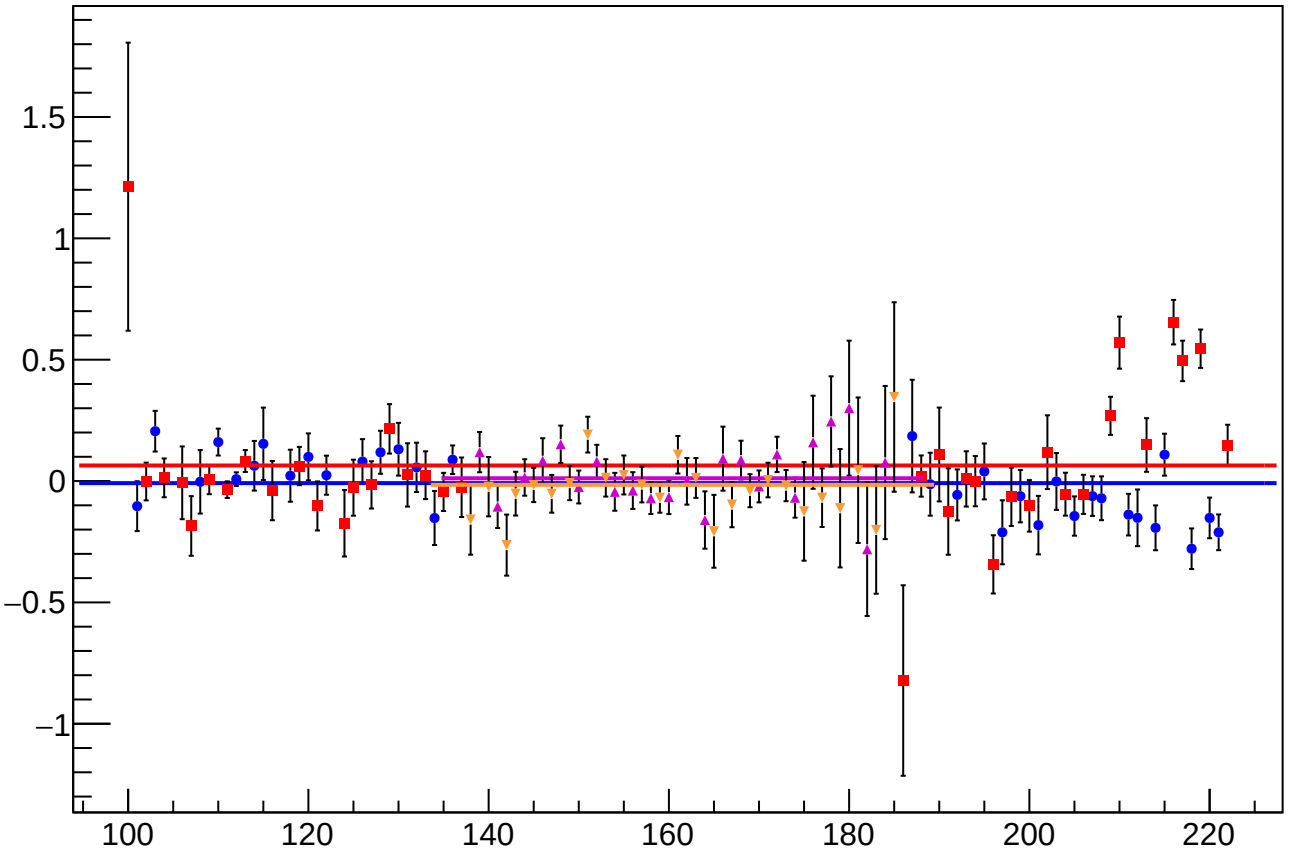
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 58.916+/-0.007 χ^2/NDF: 15803832.6/71

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 64.835+/-0.008 χ^2/NDF:12016020.0/62

All: 64.072+/-0.006 χ^2/NDF: 23955152.2/119



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: 0.064+/-0.014 χ^2/NDF: 193.8/37

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

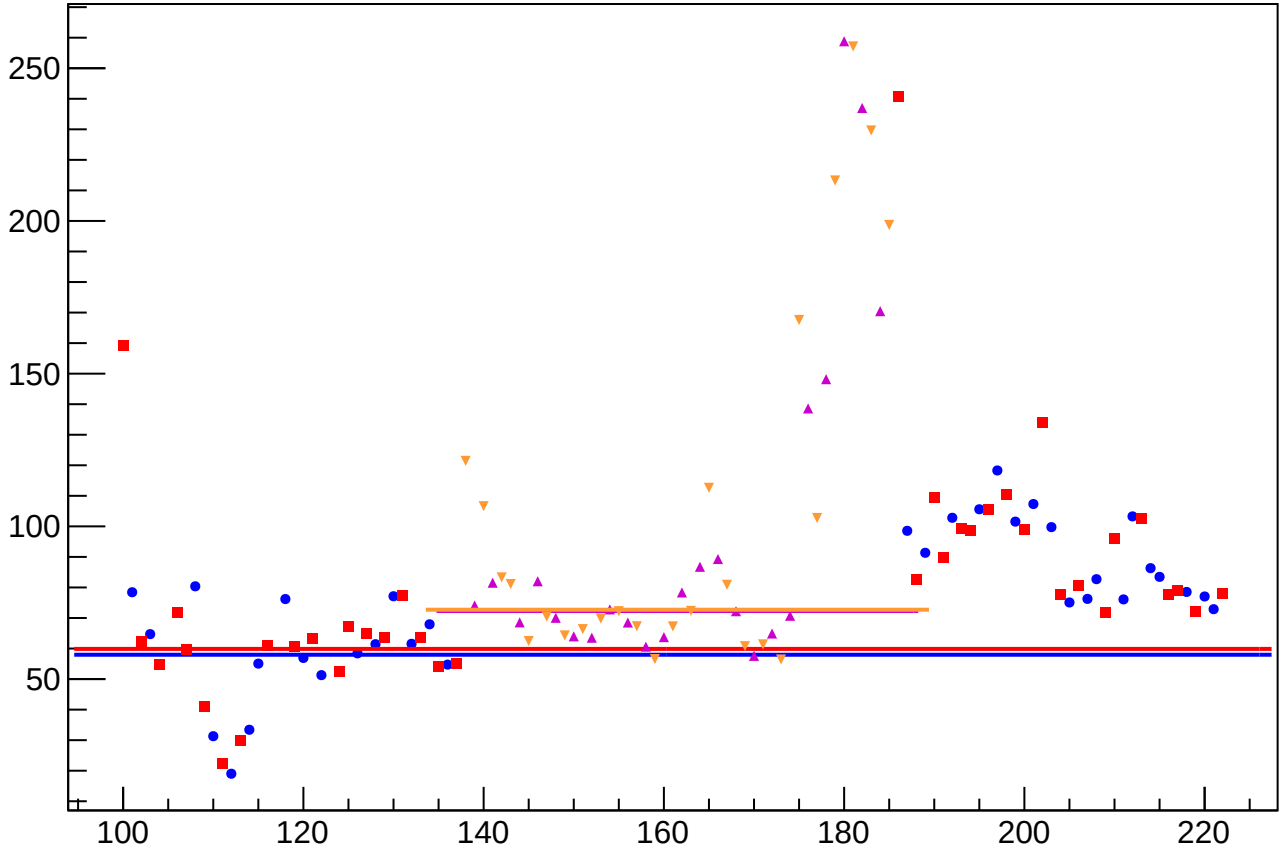
Right: 0.027+/-0.010 χ^2/NDF: 276.6/71

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.033+/-0.011 χ^2/NDF:227.5/62

All: 0.016+/-0.008 χ^2/NDF: 326.0/119

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: 59.882+/-0.010 χ^2/NDF: 7427854.4/37

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

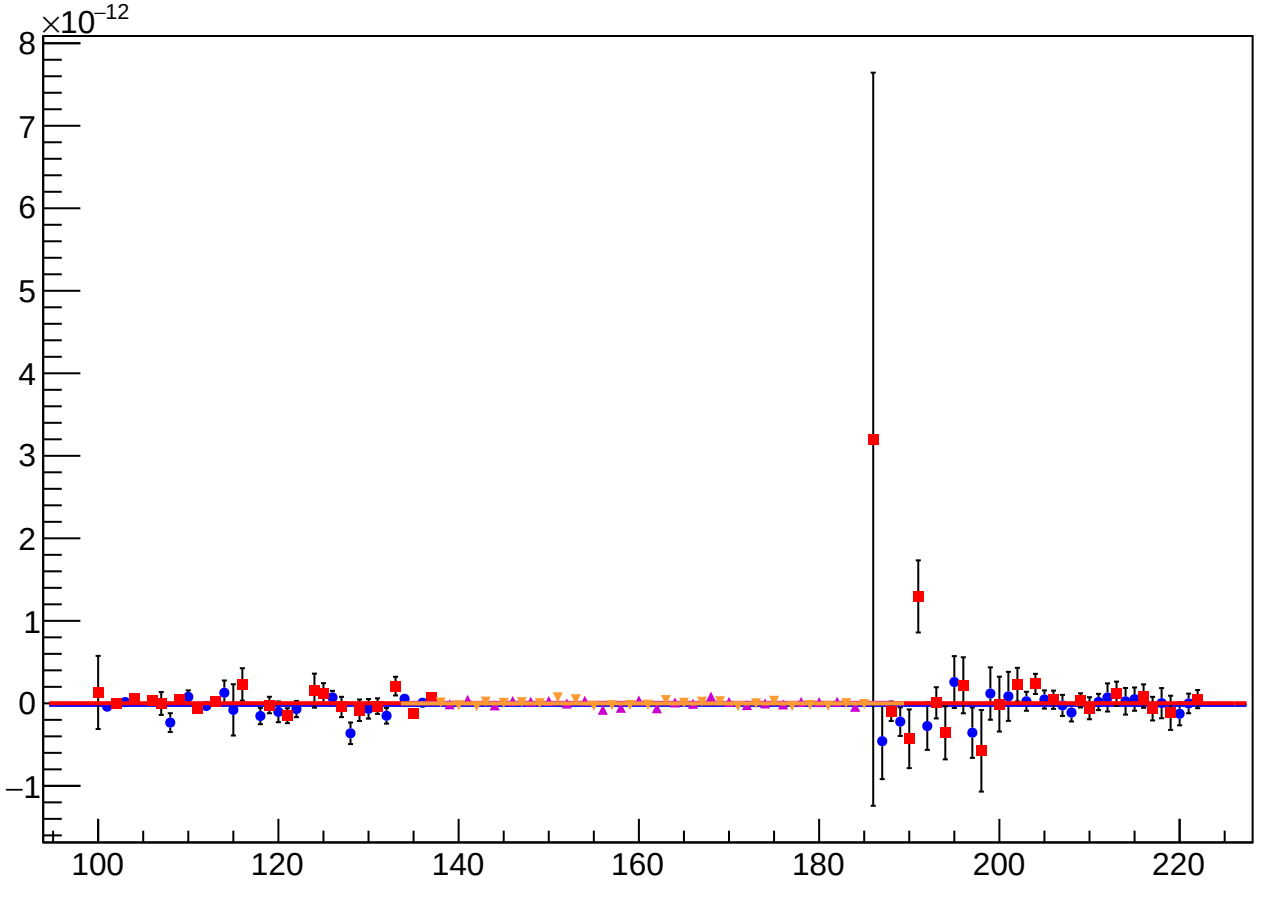
Right: 58.916+/-0.007 χ^2/NDF: 15803832.6/71

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 64.835+/-0.008 χ^2/NDF:12016020.0/62

All: 64.072+/-0.006 χ^2/NDF: 23955152.2/119

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/37

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

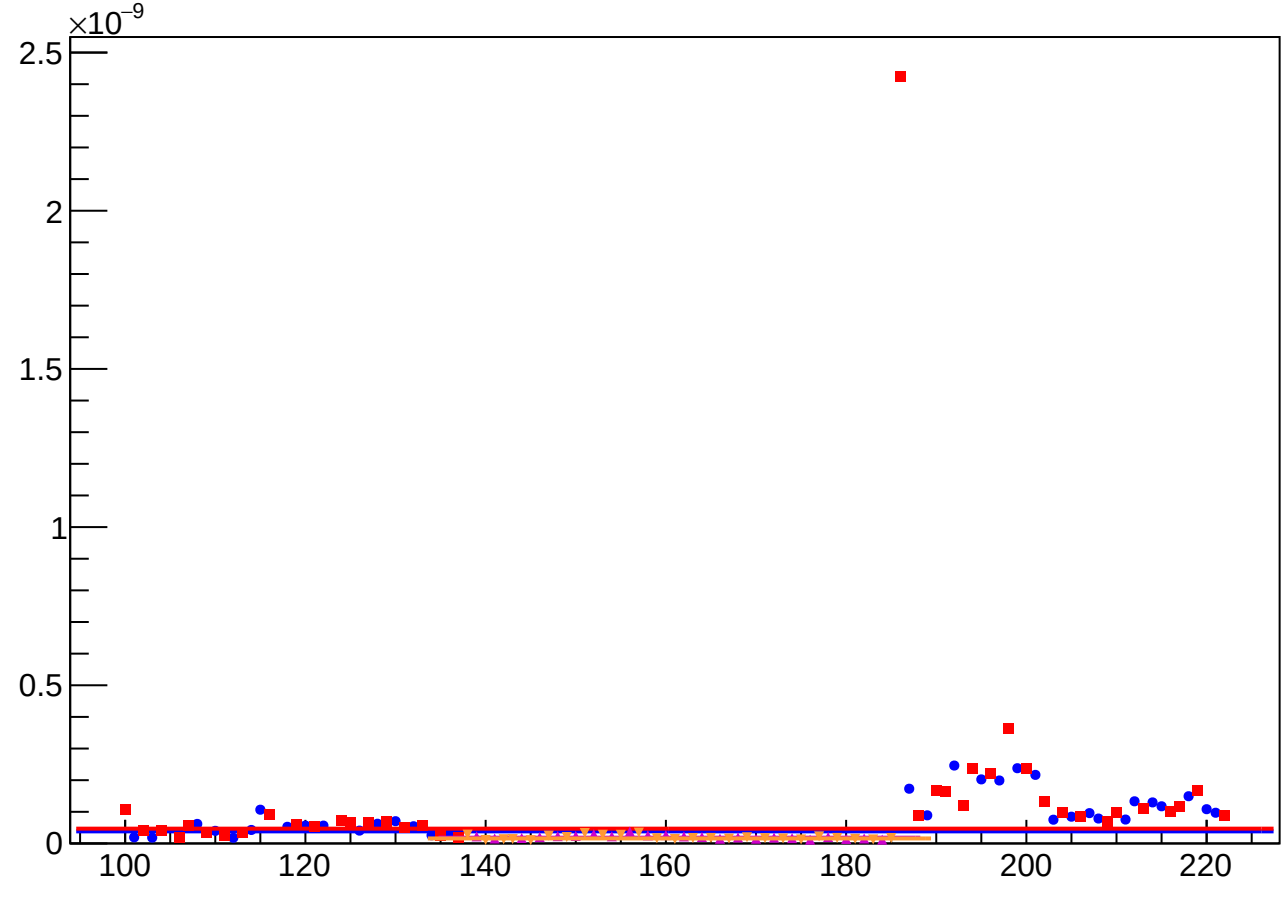
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 77.0/71

In: 0.000+/-0.000 χ^2/NDF:72.2/56

Out: -0.000+/-0.000 χ^2/NDF:73.0/62

All: 0.000+/-0.000 χ^2/NDF: 145.5/119



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: 10376604.8/37

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

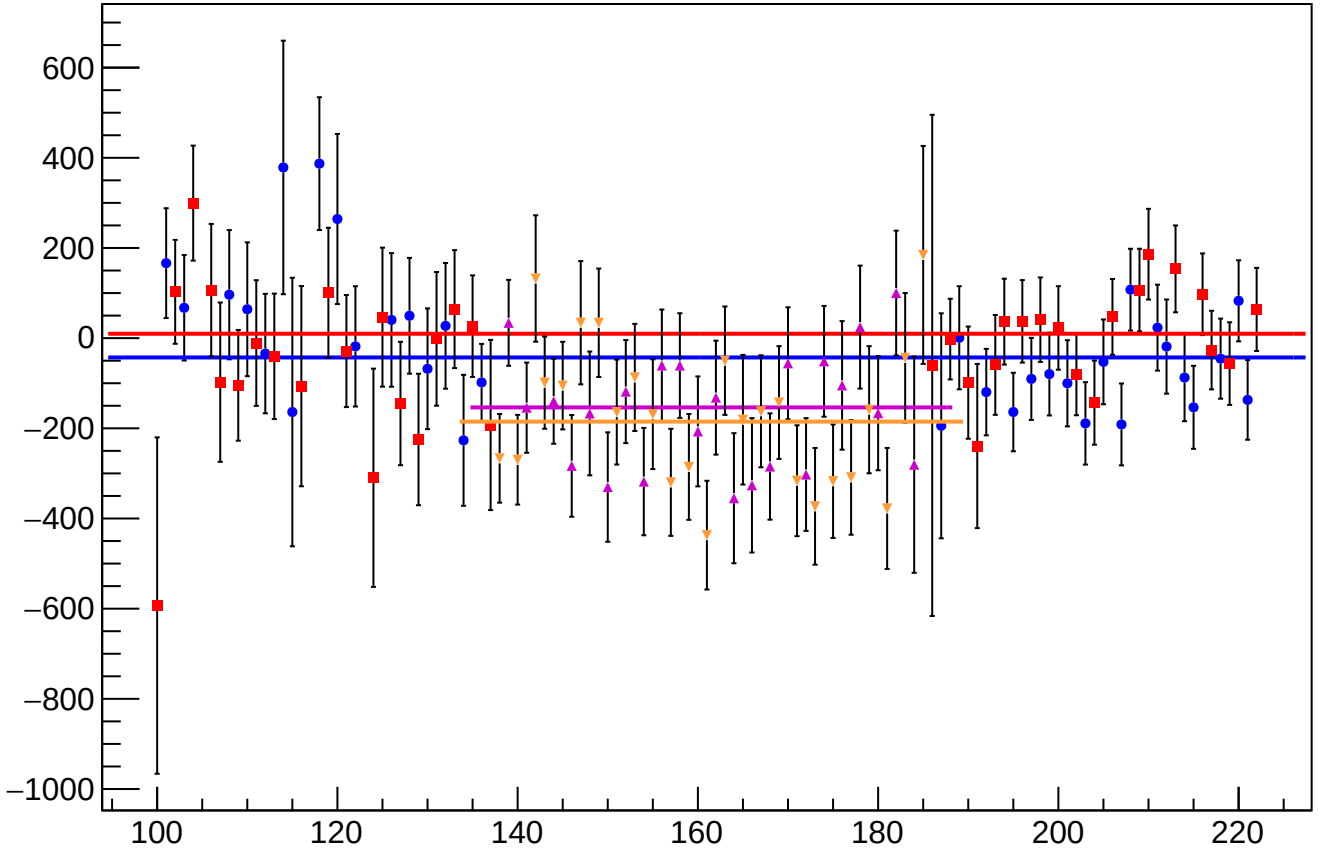
Right: 0.000+/-0.000 χ^2/NDF: 22791071.1/71

In: 0.000+/-0.000 χ^2/NDF:17576989.7/56

Out: 0.000+/-0.000 χ^2/NDF:20328376.7/62

All: 0.000+/-0.000 χ^2/NDF: 38162333.5/119

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 9.765+/-18.719 χ^2/NDF: 33.6/37

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

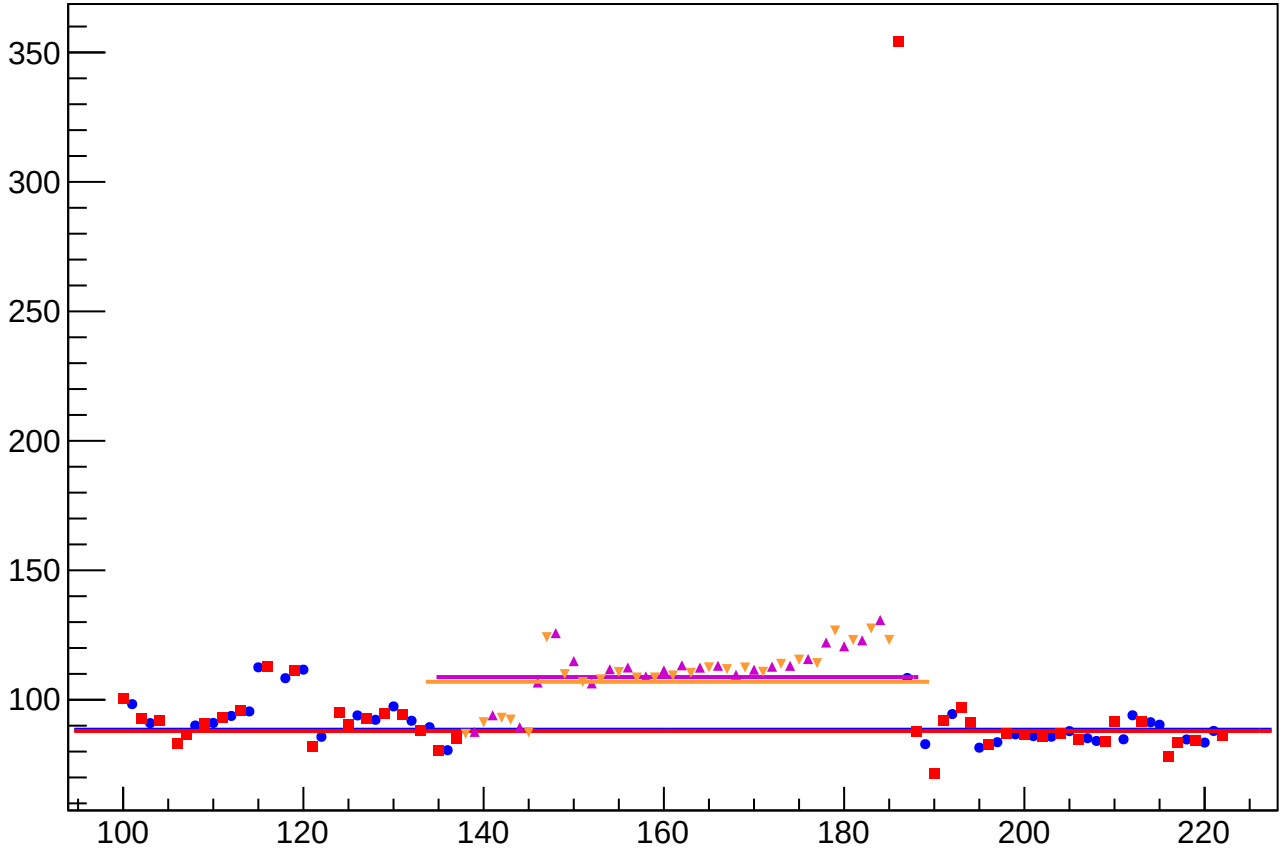
Right: -16.310+/-13.292 χ^2/NDF: 76.8/71

In: -81.973+/-15.180 χ^2/NDF:74.9/56

Out: -62.255+/-14.864 χ^2/NDF:106.8/62

All: -71.906+/-10.620 χ^2/NDF: 182.5/119

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: 87.958+/-0.013 χ^2/NDF: 691528.1/37

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

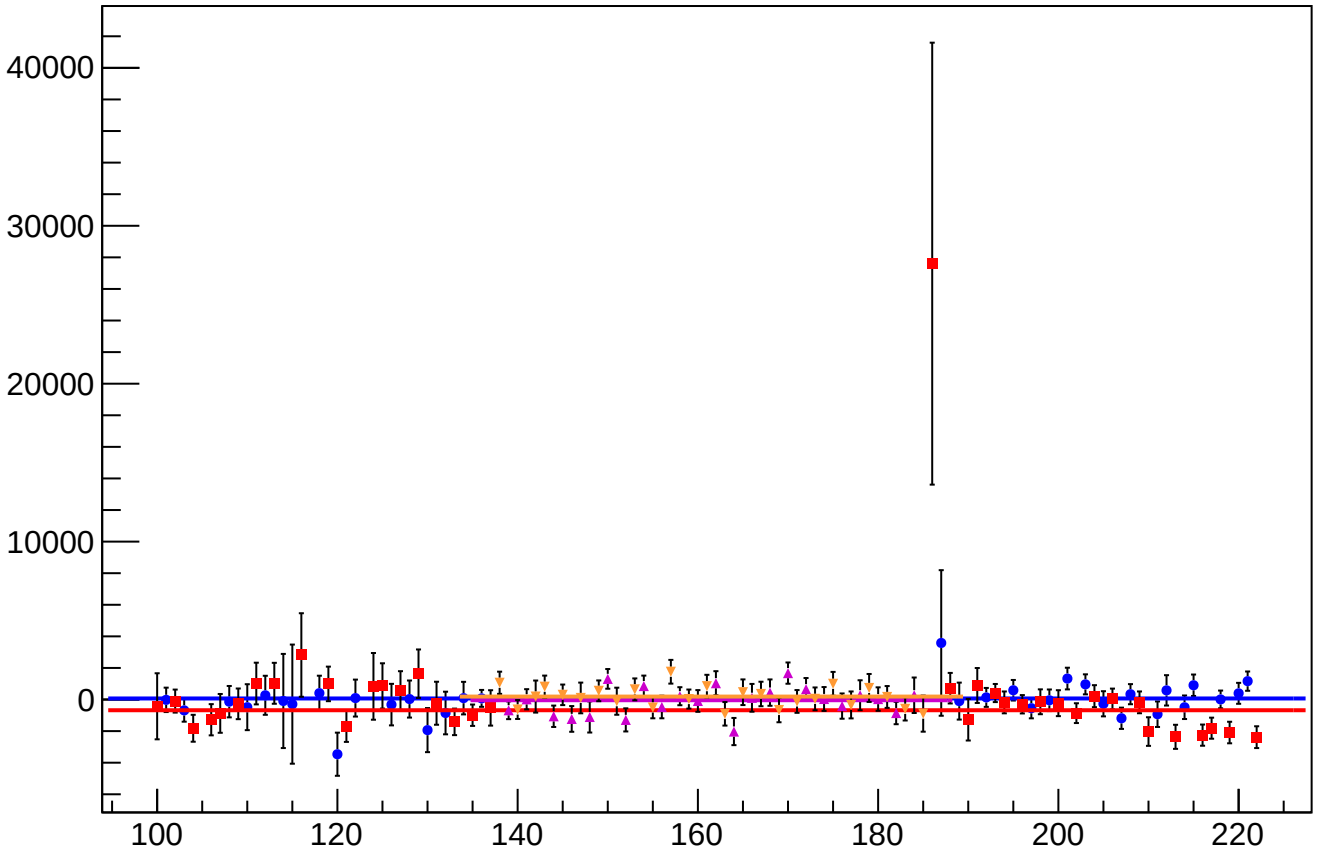
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.198+/-0.009 χ^2/NDF: 900489.1/71

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 94.977+/-0.011 χ^2/NDF:1916839.4/62

All: 95.296+/-0.008 χ^2/NDF: 3305711.6/119



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: -678.042+/-140.714 χ^2/NDF: 60.7/37

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

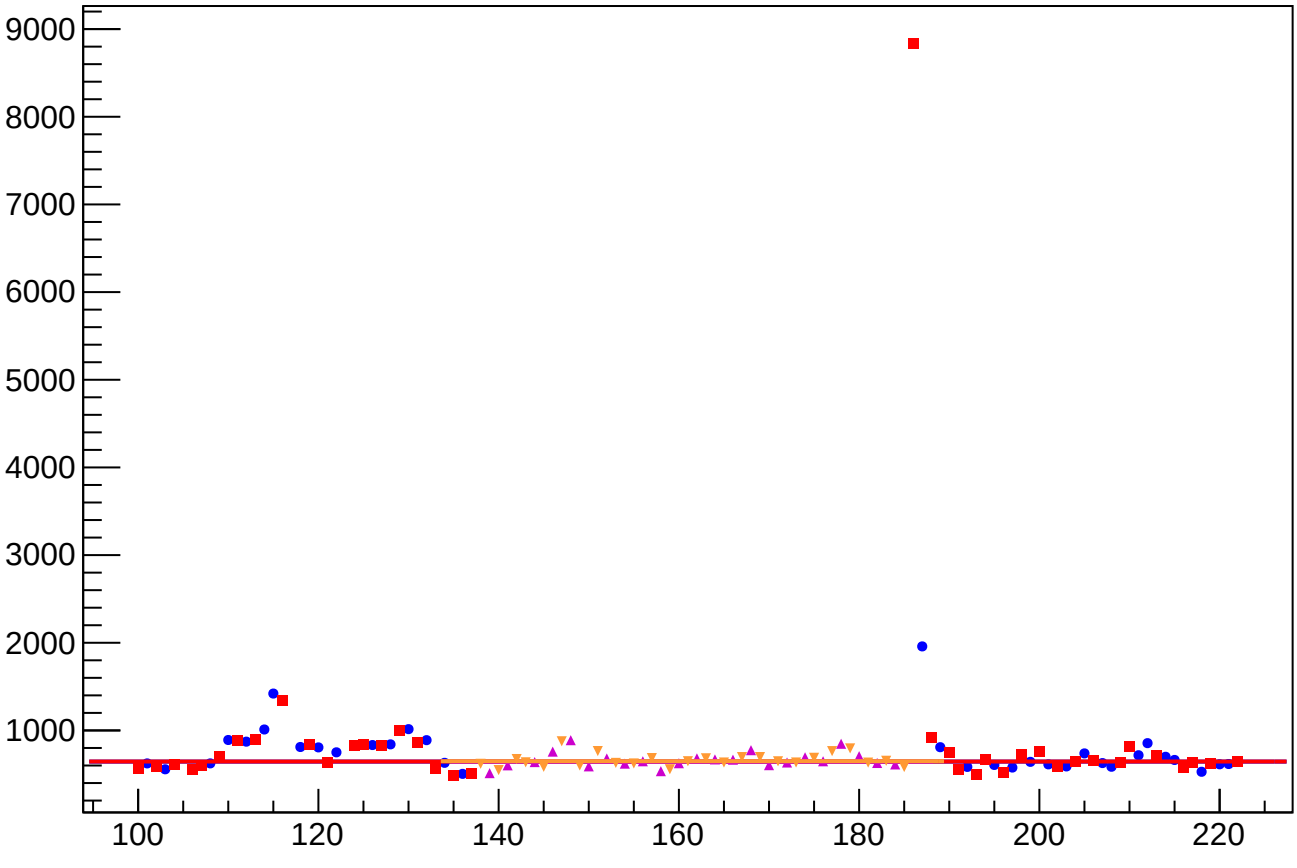
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -304.095+/-99.313 χ^2/NDF: 104.2/71

In: 16.377+/-103.069 χ^2/NDF:63.5/56

Out: -269.974+/-102.245 χ^2/NDF:97.6/62

All: -127.948+/-72.588 χ^2/NDF: 164.9/119



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: 645.594+/-0.100 χ^2/NDF: 2082681.5/37

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

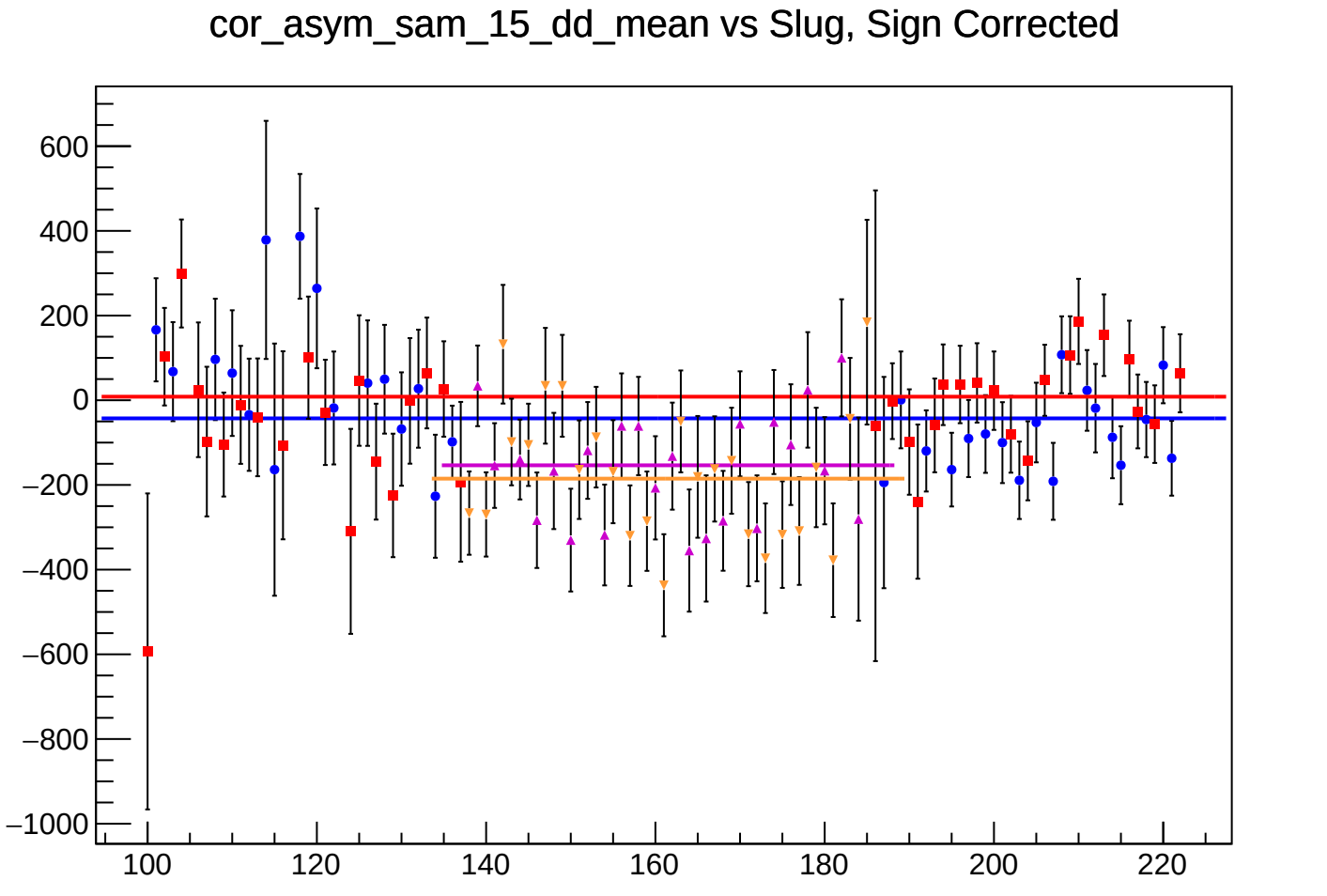
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.991+/-0.070 χ^2/NDF: 3421104.6/71

In: 644.246+/-0.073 χ^2/NDF:1897474.7/56

Out: 647.291+/-0.072 χ^2/NDF:2501662.2/62

All: 645.781+/-0.051 χ^2/NDF: 4400017.0/119



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: 8.393+/-18.742 χ^2/NDF: 33.2/37

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

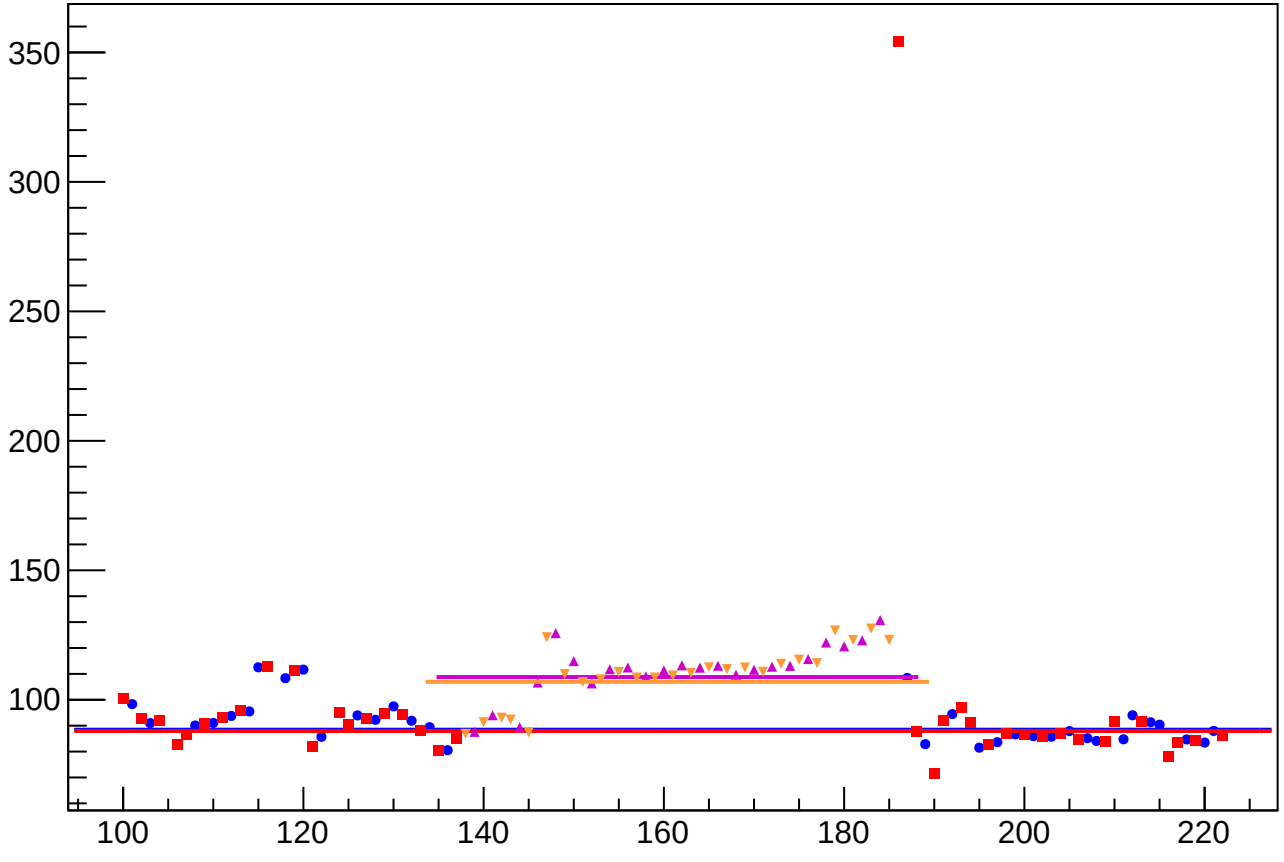
Right: -17.032+/-13.300 χ^2/NDF: 76.1/71

In: -81.975+/-15.180 χ^2/NDF:74.9/56

Out: -63.229+/-14.875 χ^2/NDF:105.7/62

All: -72.412+/-10.624 χ^2/NDF: 181.4/119

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: 87.962+/-0.013 χ^2/NDF: 691654.1/37

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

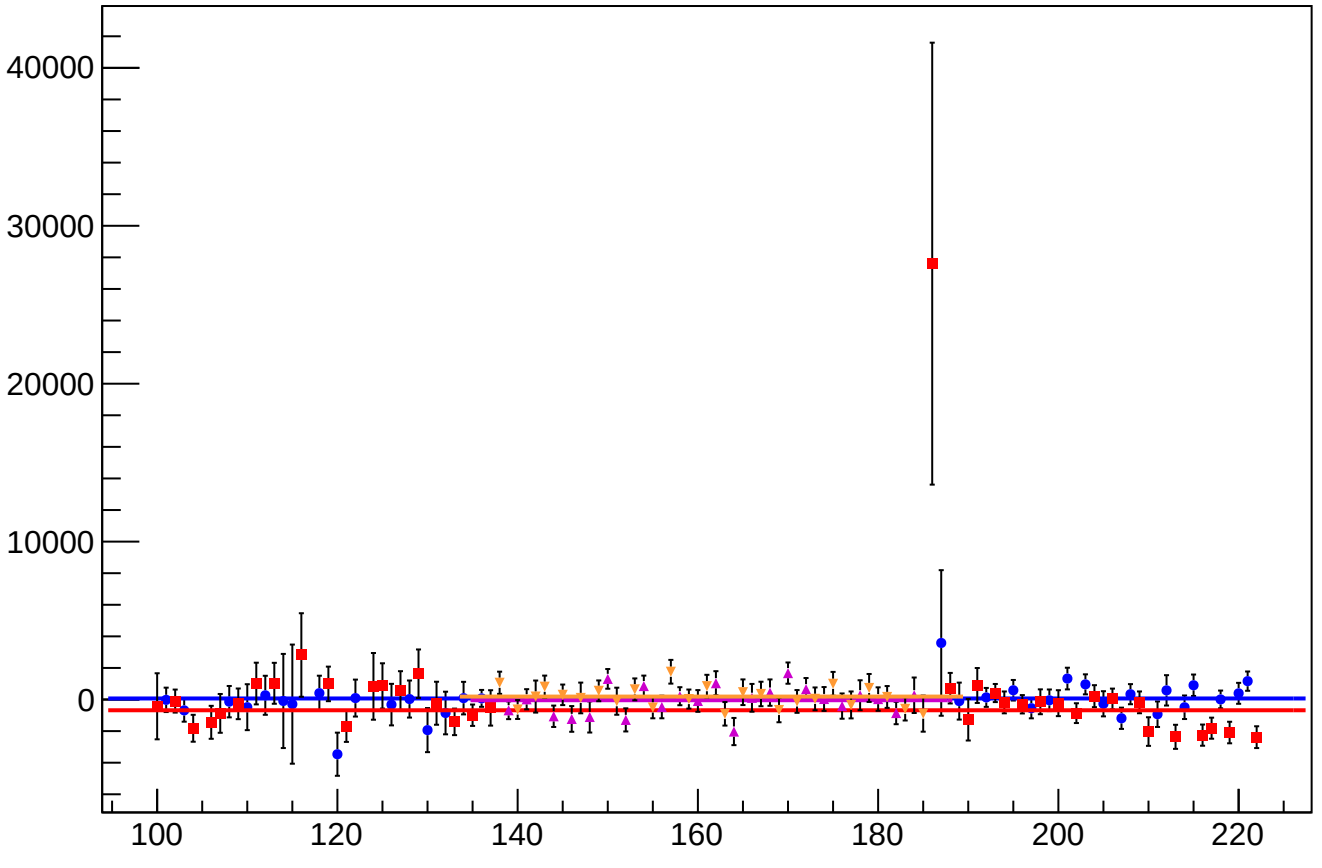
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.201+/-0.009 χ^2/NDF: 900603.5/71

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 94.990+/-0.011 χ^2/NDF:1915974.6/62

All: 95.303+/-0.008 χ^2/NDF: 3304770.5/119



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: -679.710+/-140.863 χ^2/NDF: 60.9/37

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

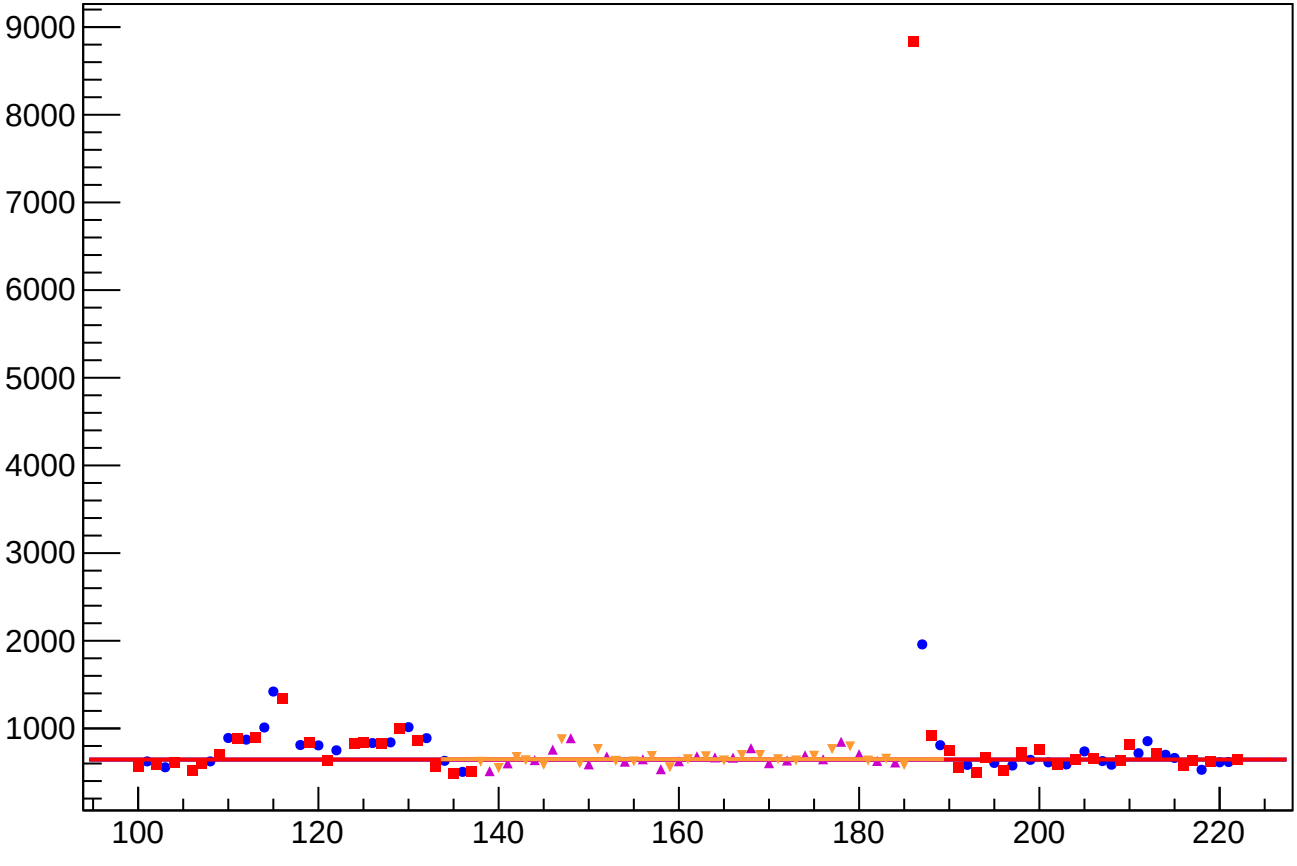
Right: -304.533+/-99.366 χ^2/NDF: 104.5/71

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -270.401+/-102.303 χ^2/NDF:97.8/62

All: -128.084+/-72.608 χ^2/NDF: 165.2/119

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: 645.288+/-0.100 χ^2/NDF: 2091917.7/37

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

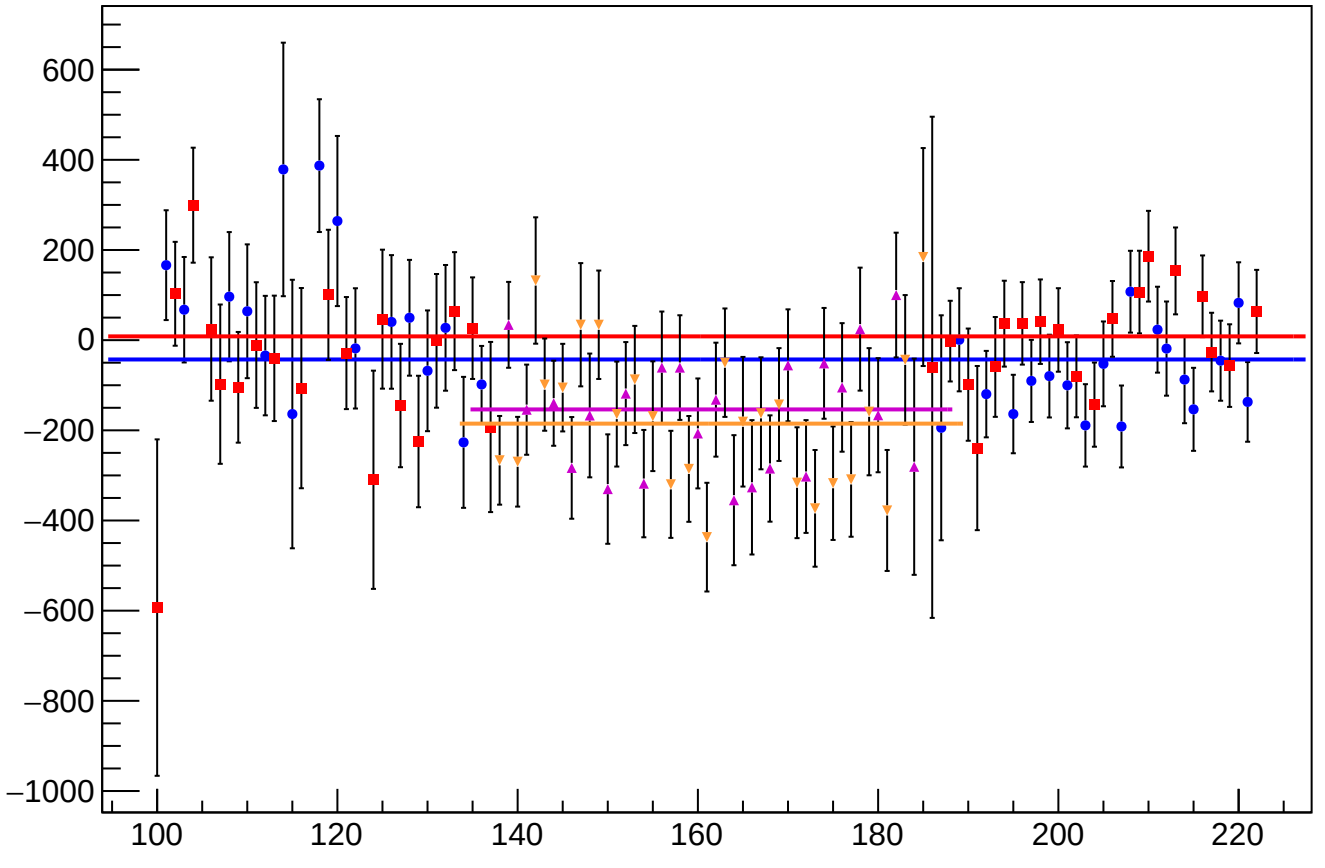
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.838+/-0.070 χ^2/NDF: 3430307.2/71

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.131+/-0.072 χ^2/NDF:2511008.0/62

All: 645.699+/-0.051 χ^2/NDF: 4409272.5/119



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: 8.393+/-18.742 χ^2/NDF: 33.2/37

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

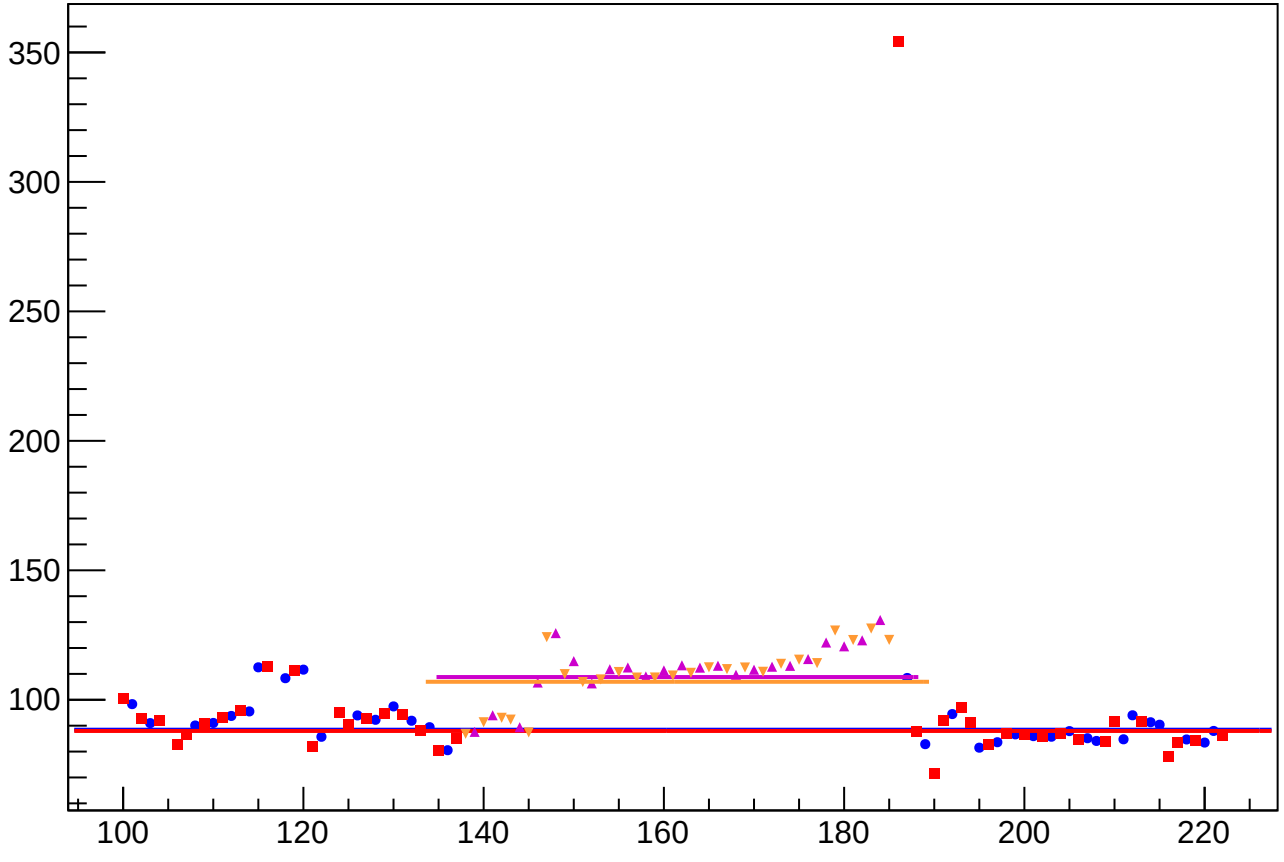
Right: -17.032+/-13.300 χ^2/NDF: 76.1/71

In: -81.975+/-15.180 χ^2/NDF:74.9/56

Out: -63.229+/-14.875 χ^2/NDF:105.7/62

All: -72.412+/-10.624 χ^2/NDF: 181.4/119

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: 87.962+/-0.013 χ^2/NDF: 691654.1/37

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

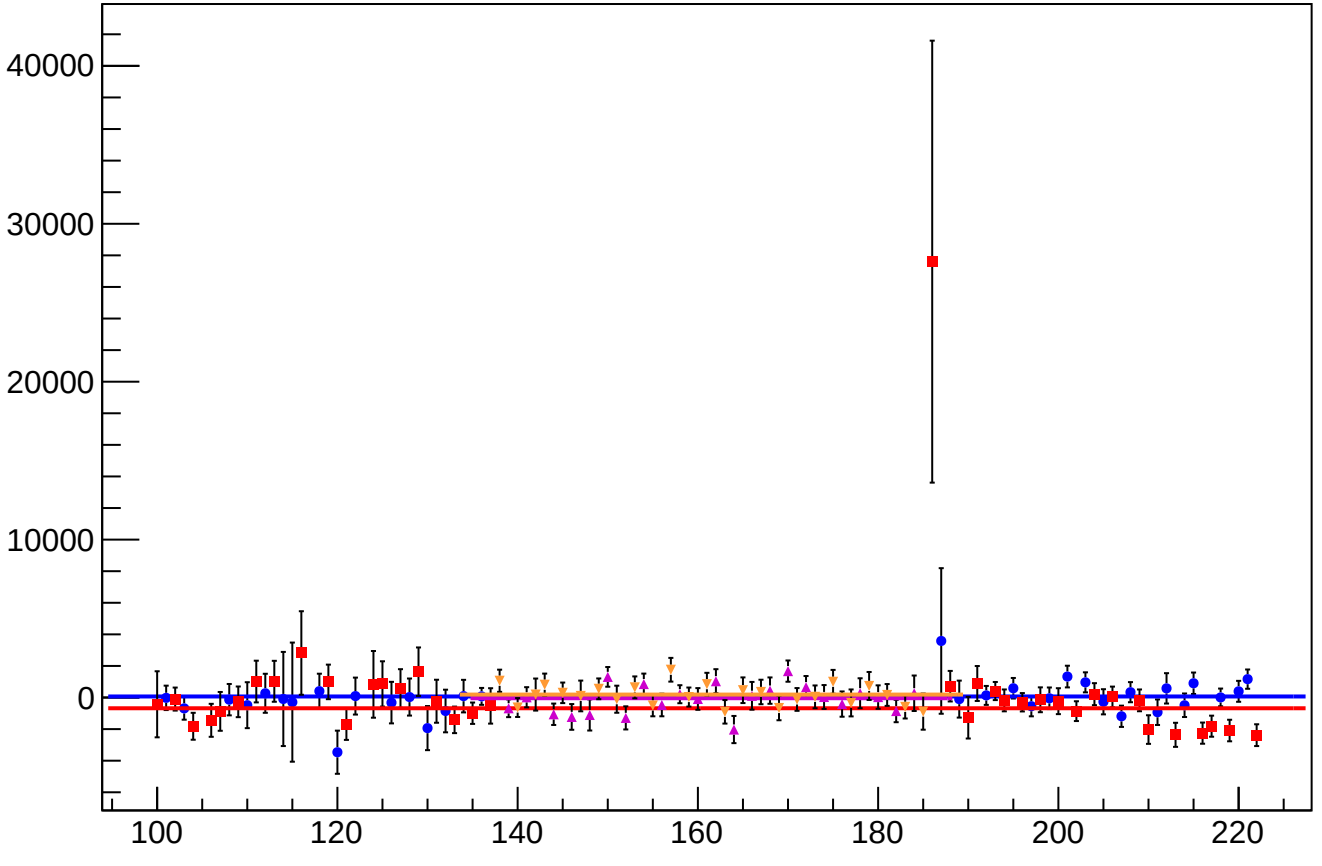
Right: 88.201+/-0.009 χ^2/NDF: 900603.5/71

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 94.990+/-0.011 χ^2/NDF:1915974.6/62

All: 95.303+/-0.008 χ^2/NDF: 3304770.5/119

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: -679.710+/-140.863 χ^2/NDF: 60.9/37

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

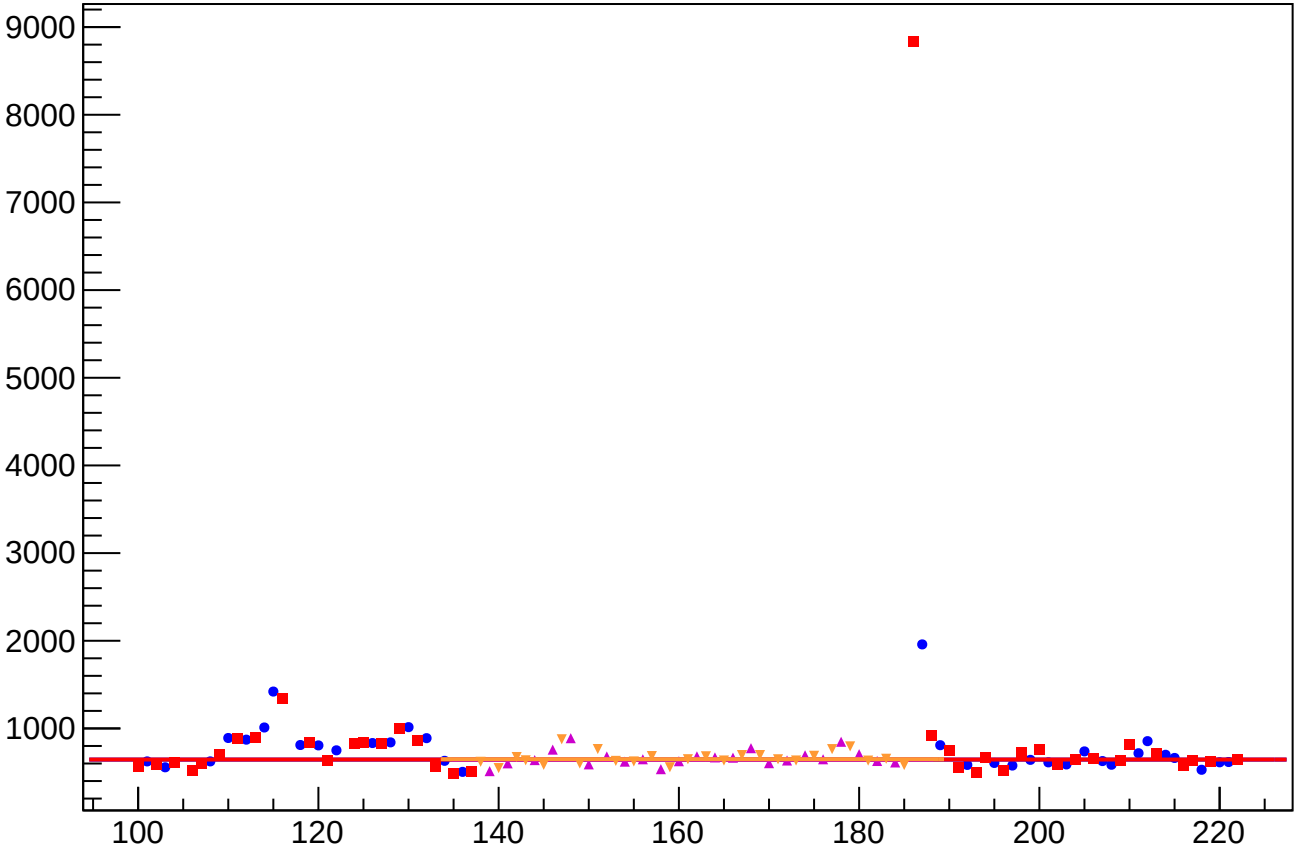
Right: -304.533+/-99.366 χ^2/NDF: 104.5/71

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -270.401+/-102.303 χ^2/NDF:97.8/62

All: -128.084+/-72.608 χ^2/NDF: 165.2/119

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: 645.288+/-0.100 χ^2/NDF: 2091917.7/37

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

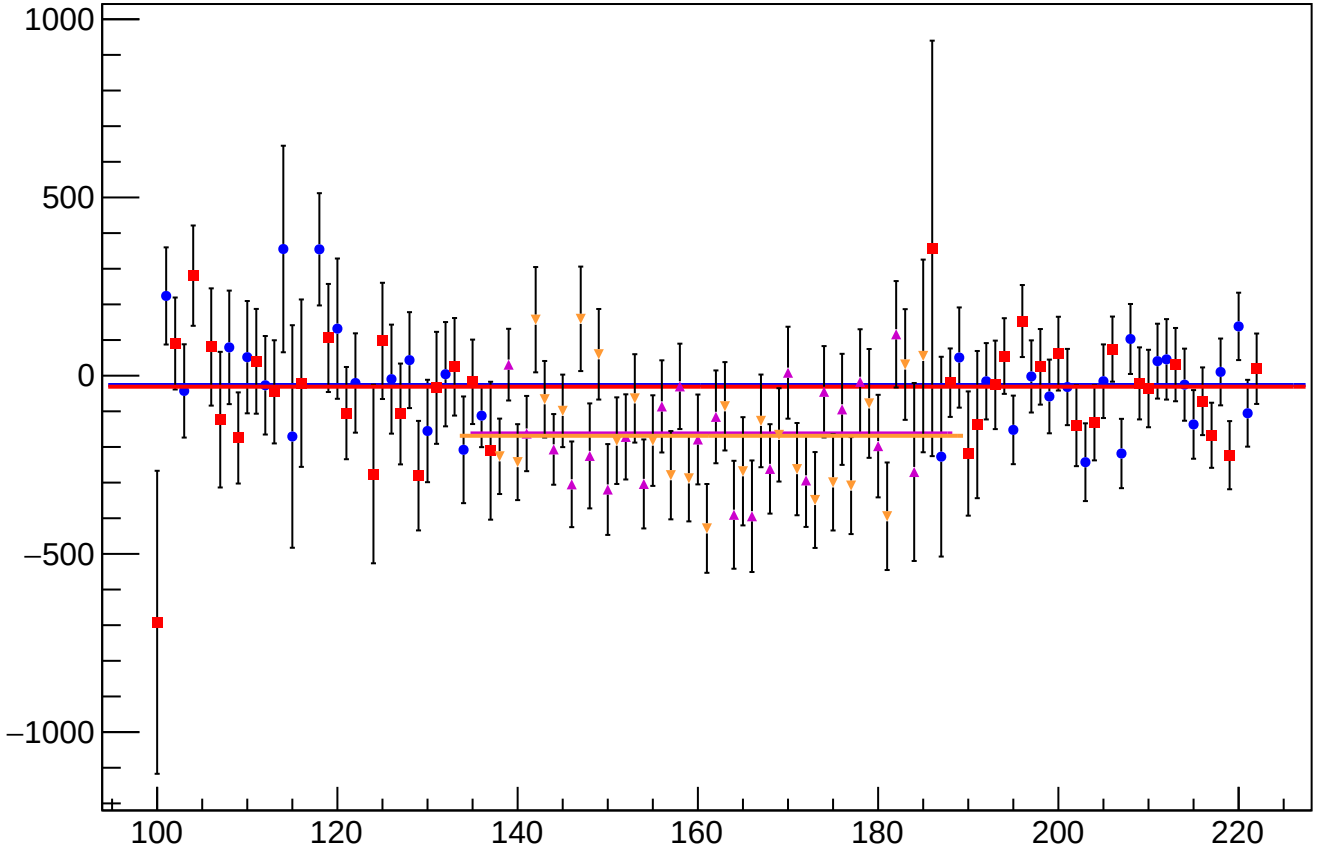
Right: 644.838+/-0.070 χ^2/NDF: 3430307.2/71

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.131+/-0.072 χ^2/NDF:2511008.0/62

All: 645.699+/-0.051 χ^2/NDF: 4409272.5/119

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -30.931+/-20.397 χ^2/NDF: 34.3/37

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

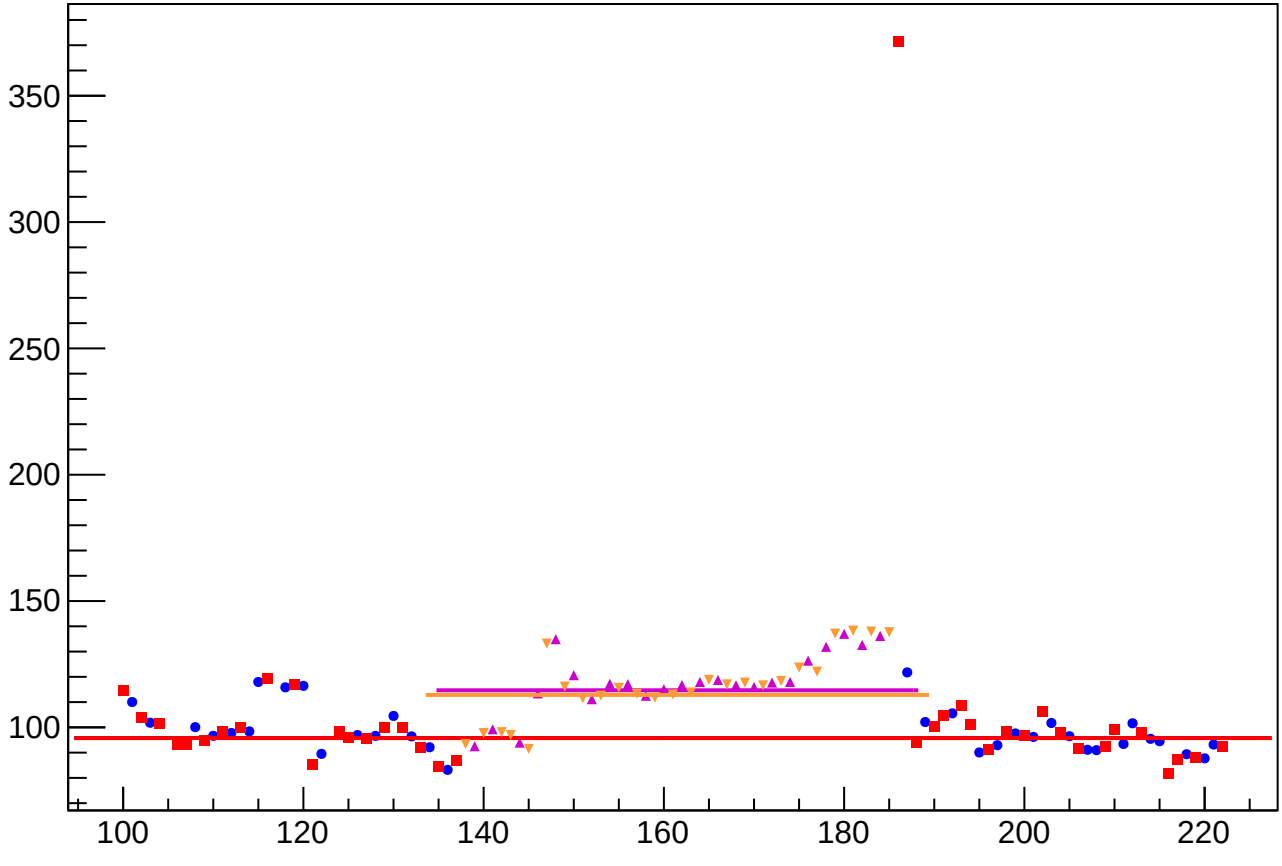
Right: -28.581+/-14.445 χ^2/NDF: 68.7/71

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -83.845+/-16.005 χ^2/NDF:84.2/62

All: -79.933+/-11.418 χ^2/NDF: 158.4/119

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: 95.758+/-0.014 χ^2/NDF: 706304.0/37

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

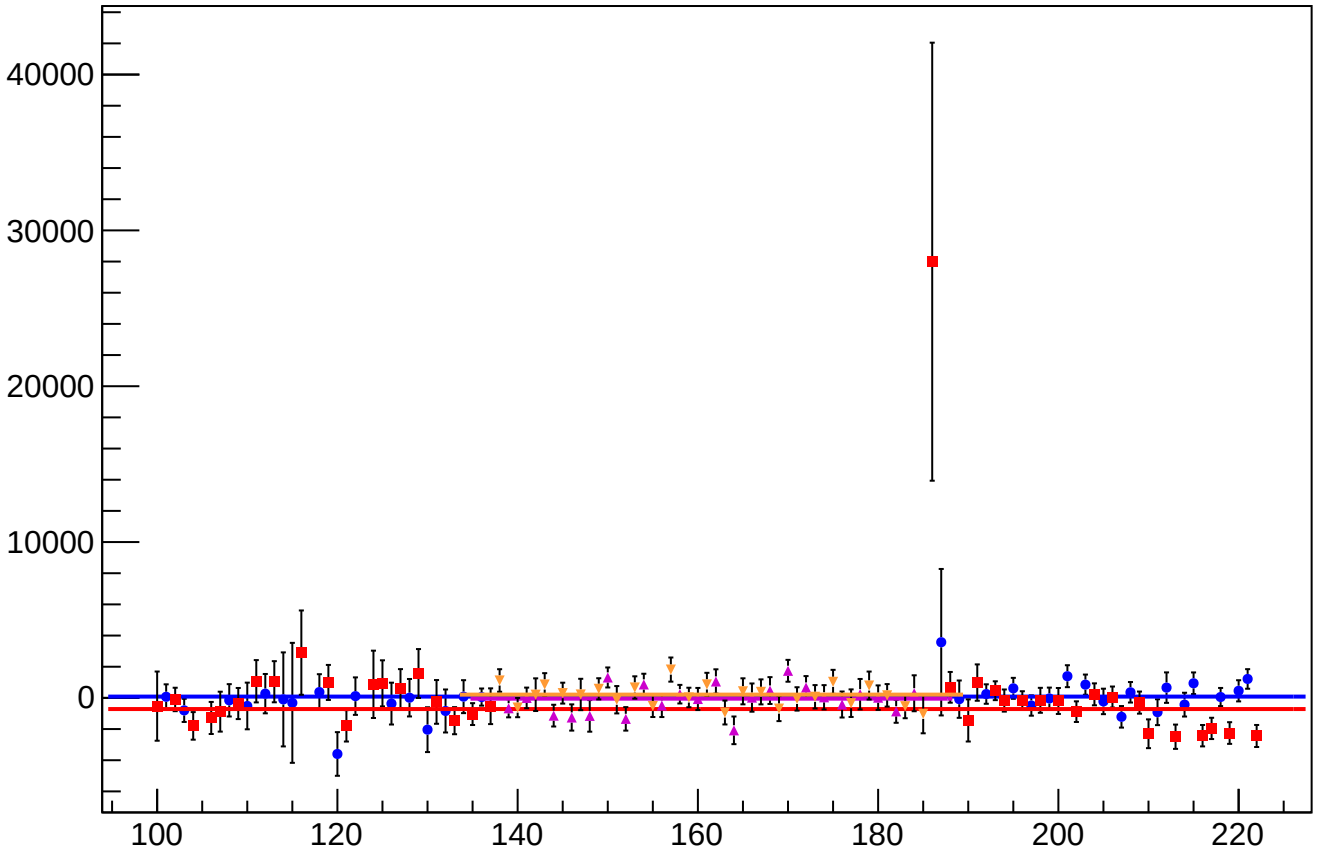
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 95.776+/-0.010 χ^2/NDF: 947403.8/71

In: 102.699+/-0.012 χ^2/NDF:1273941.7/56

Out: 102.325+/-0.011 χ^2/NDF:1758211.1/62

All: 102.509+/-0.008 χ^2/NDF: 3032688.3/119



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: -715.742+/-144.848 χ^2/NDF: 64.1/37

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

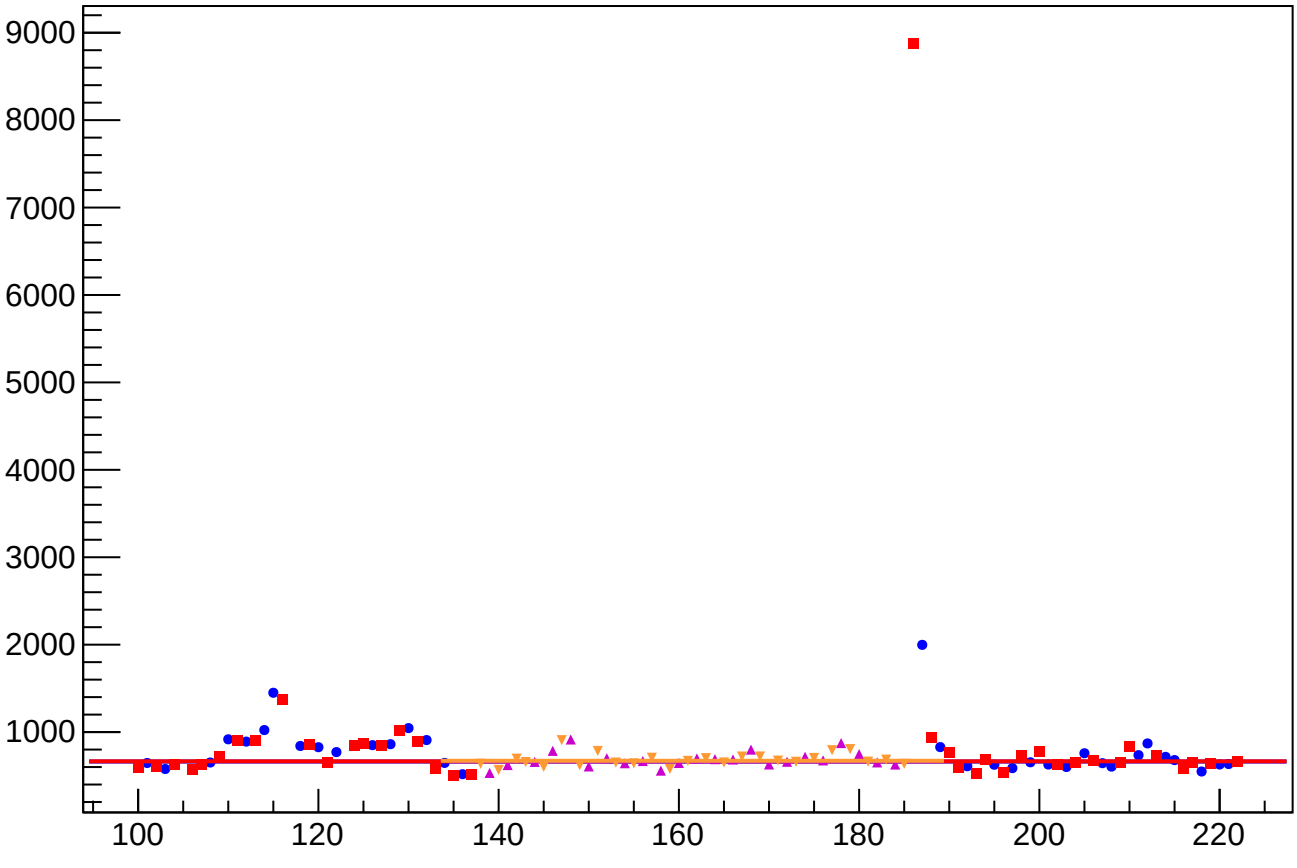
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -314.128+/-102.168 χ^2/NDF: 108.9/71

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -281.264+/-105.486 χ^2/NDF:102.2/62

All: -130.566+/-74.884 χ^2/NDF: 169.5/119



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: 665.451+/-0.102 χ^2/NDF: 2001719.3/37

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

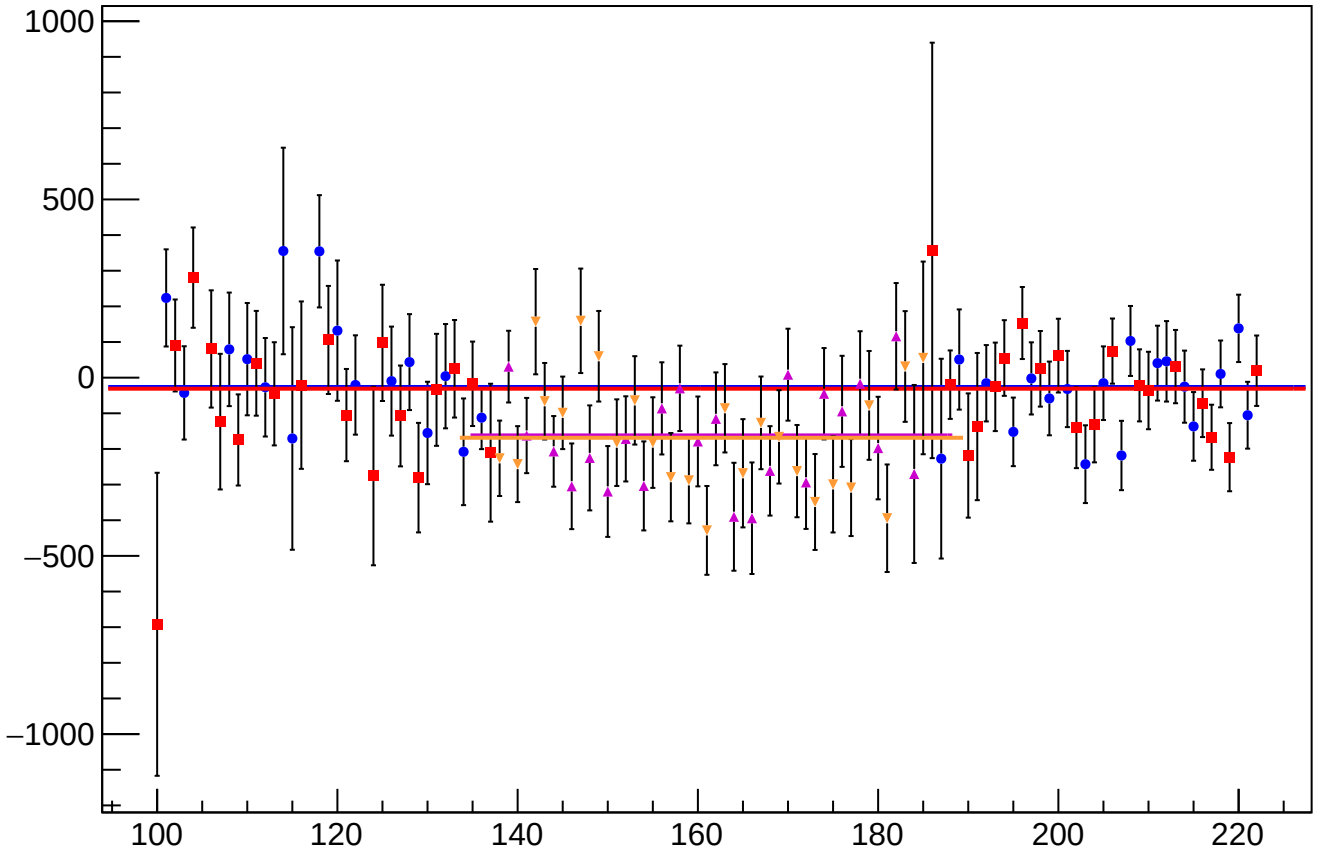
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 664.226+/-0.072 χ^2/NDF: 3310008.5/71

In: 664.986+/-0.075 χ^2/NDF:1855730.2/56

Out: 668.456+/-0.075 χ^2/NDF:2402711.4/62

All: 666.734+/-0.053 χ^2/NDF: 4259515.1/119



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -30.930+/-20.397 χ^2/NDF: 34.3/37

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

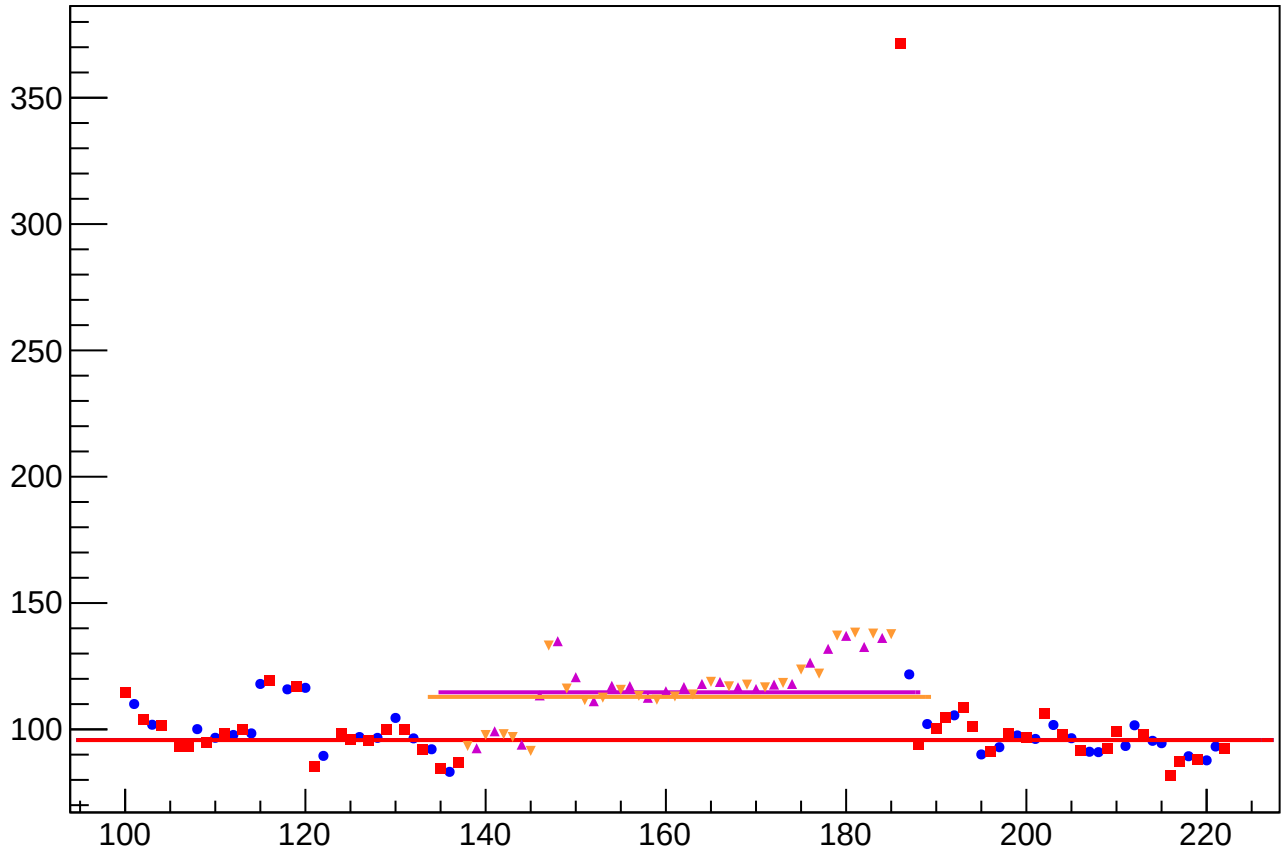
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -28.580+/-14.445 χ^2/NDF: 68.7/71

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -83.845+/-16.005 χ^2/NDF:84.2/62

All: -79.932+/-11.418 χ^2/NDF: 158.4/119



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: 95.758+/-0.014 χ^2/NDF: 706308.6/37

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

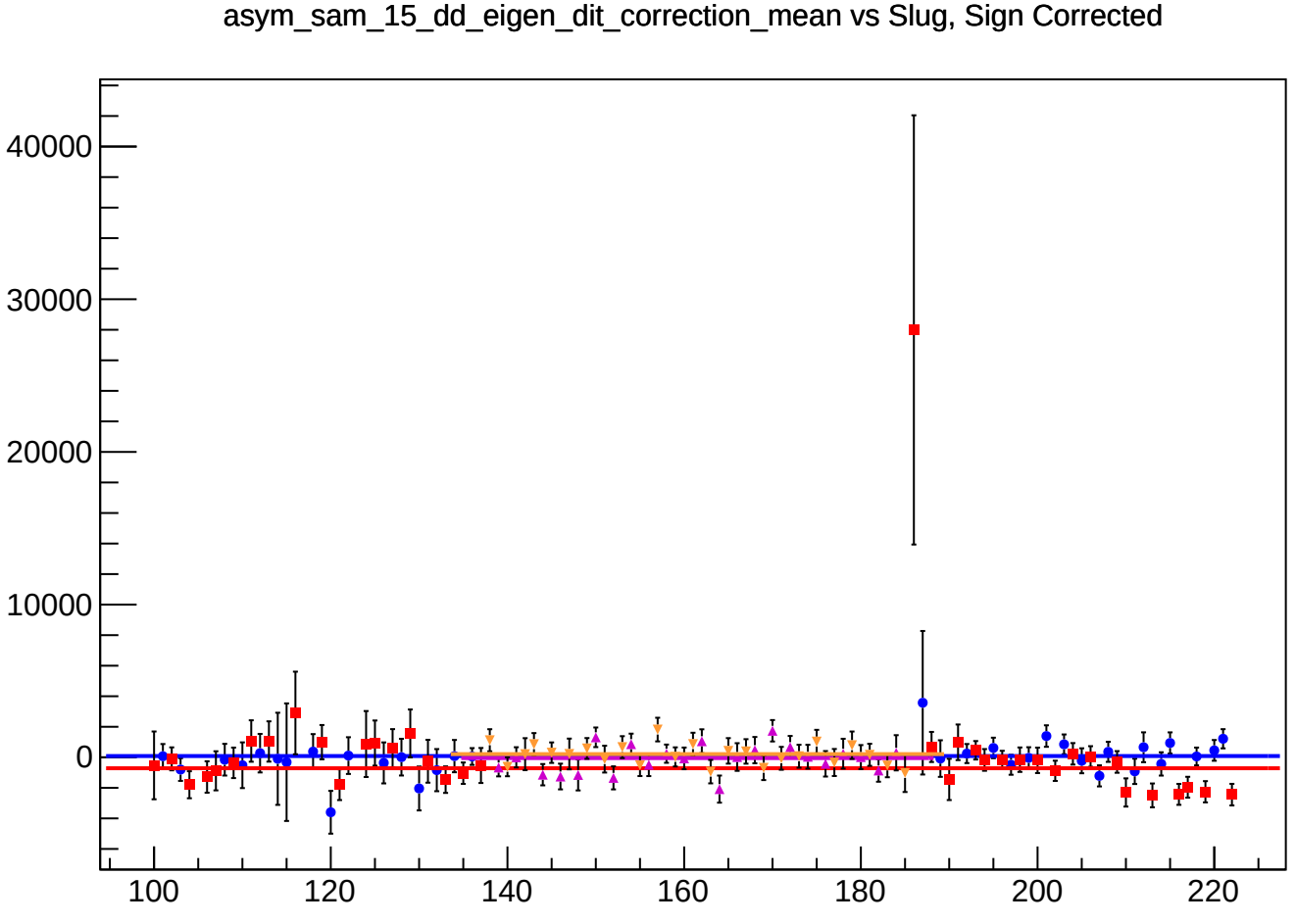
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 95.776+/-0.010 χ^2/NDF: 947413.0/71

In: 102.699+/-0.012 χ^2/NDF:1273959.8/56

Out: 102.325+/-0.011 χ^2/NDF:1758222.5/62

All: 102.509+/-0.008 χ^2/NDF: 3032717.9/119



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: -715.742+/-144.848 χ^2/NDF: 64.1/37

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

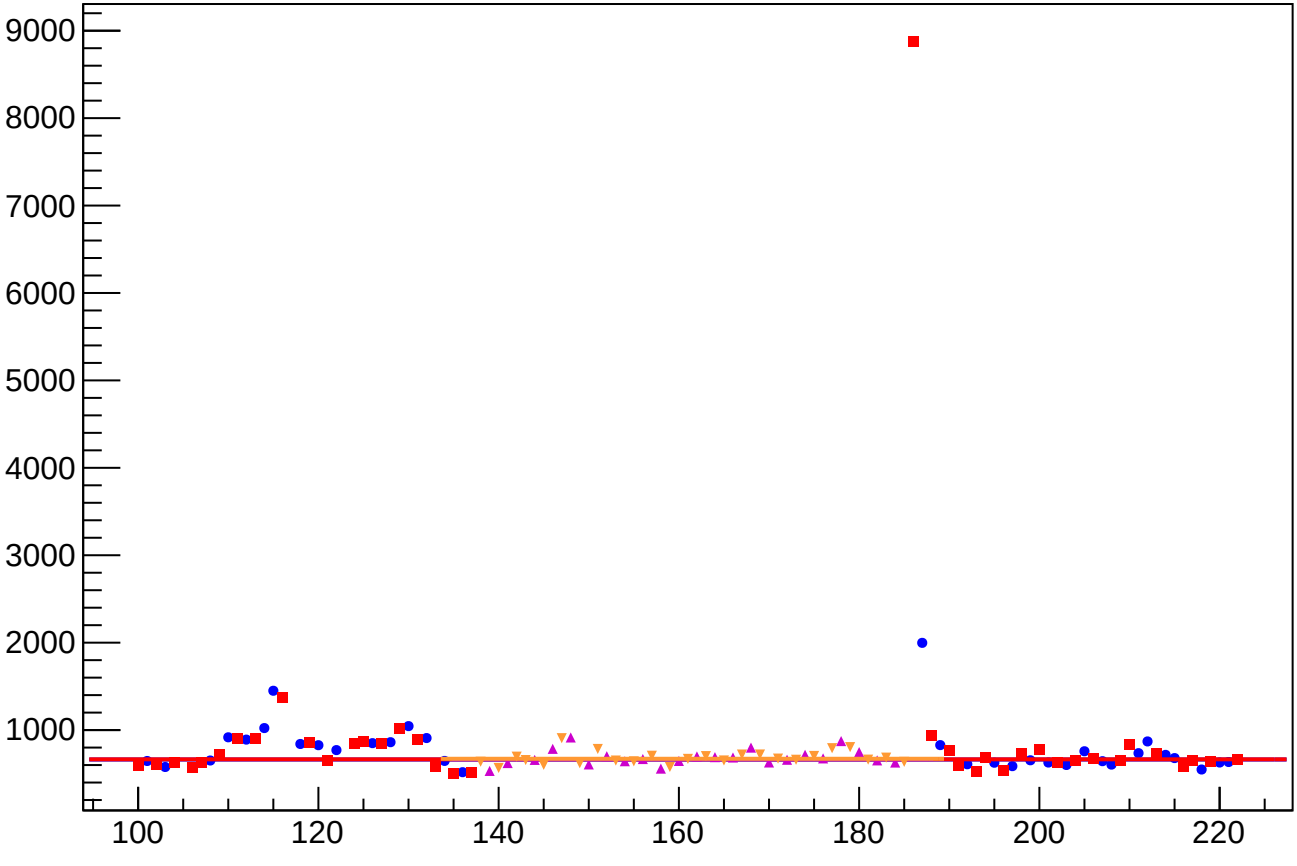
Right: -314.129+/-102.168 χ^2/NDF: 108.9/71

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -281.266+/-105.486 χ^2/NDF:102.2/62

All: -130.567+/-74.884 χ^2/NDF: 169.5/119

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: 665.450+/-0.102 χ^2/NDF: 2001725.7/37

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

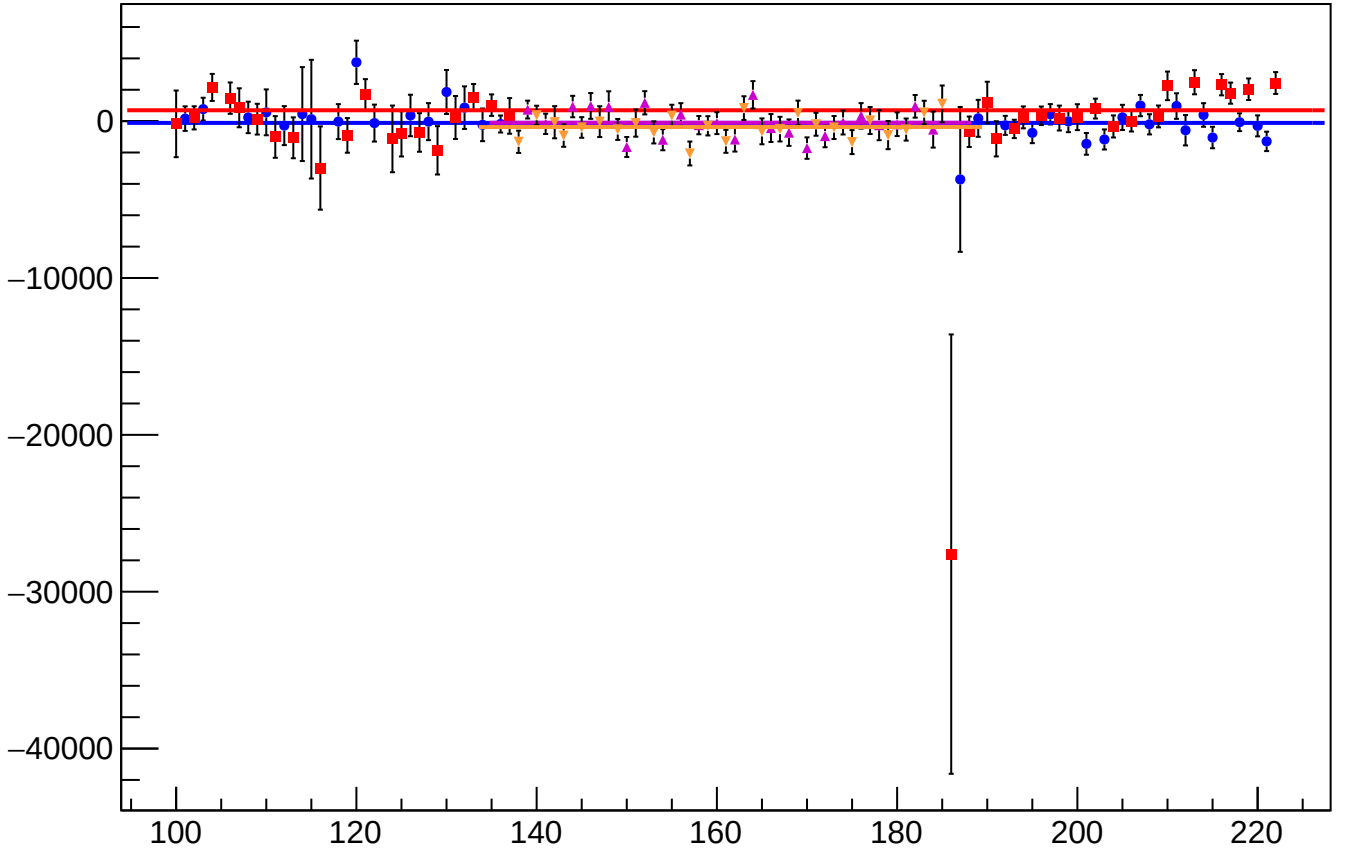
Right: 664.225+/-0.072 χ^2/NDF: 3310014.9/71

In: 664.986+/-0.075 χ^2/NDF:1855732.9/56

Out: 668.456+/-0.075 χ^2/NDF:2402718.9/62

All: 666.734+/-0.053 χ^2/NDF: 4259525.3/119

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: 692.545+/-142.159 χ^2/NDF: 64.9/37

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

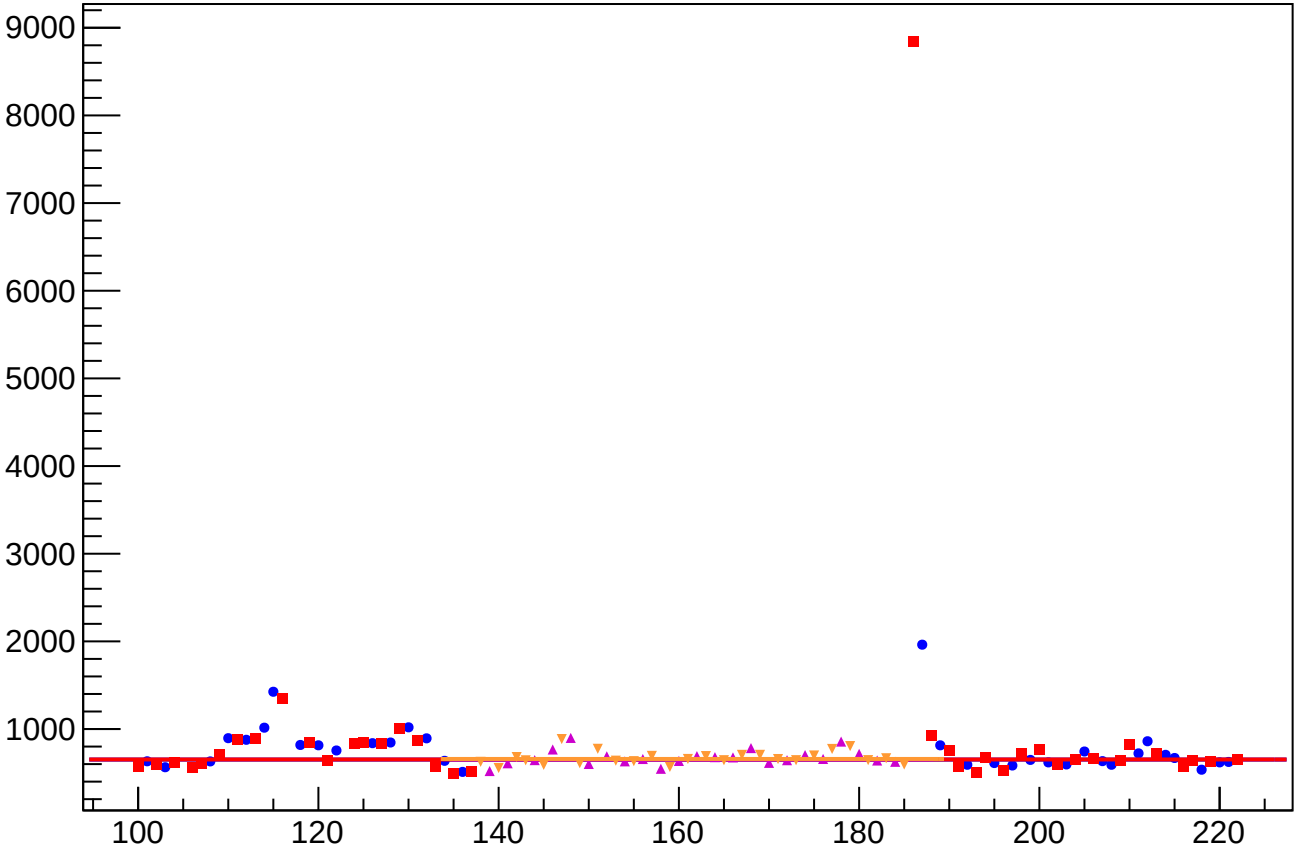
Right: 288.576+/-100.333 χ^2/NDF: 113.2/71

In: -108.234+/-104.349 χ^2/NDF:67.7/56

Out: 189.724+/-103.490 χ^2/NDF:112.9/62

All: 41.976+/-73.480 χ^2/NDF: 184.7/119

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: 652.689+/-0.101 χ^2/NDF: 2041594.1/37

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

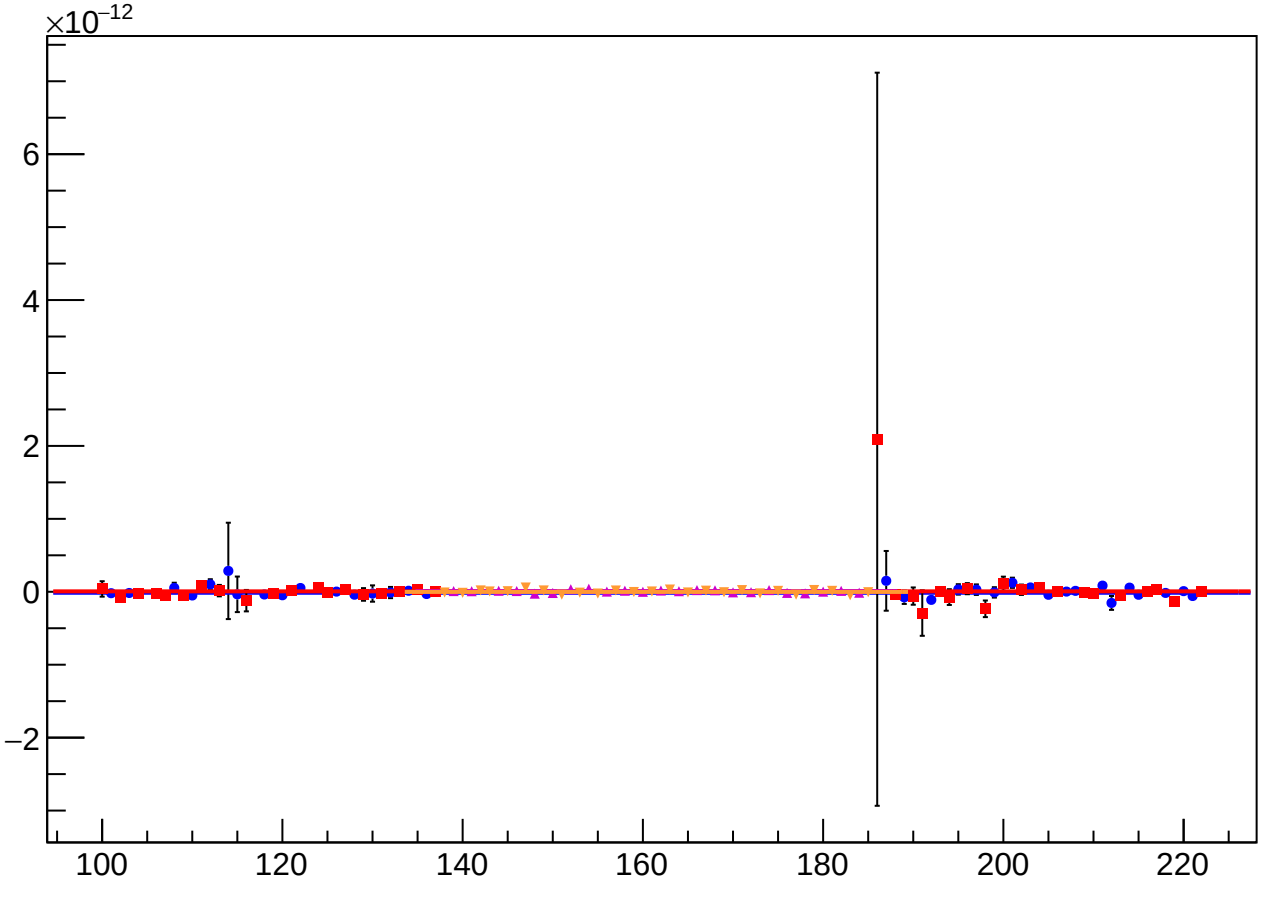
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 652.030+/-0.071 χ^2/NDF: 3348997.1/71

In: 652.553+/-0.074 χ^2/NDF:1849697.6/56

Out: 655.501+/-0.073 χ^2/NDF:2452943.7/62

All: 654.039+/-0.052 χ^2/NDF: 4303446.2/119



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/37

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

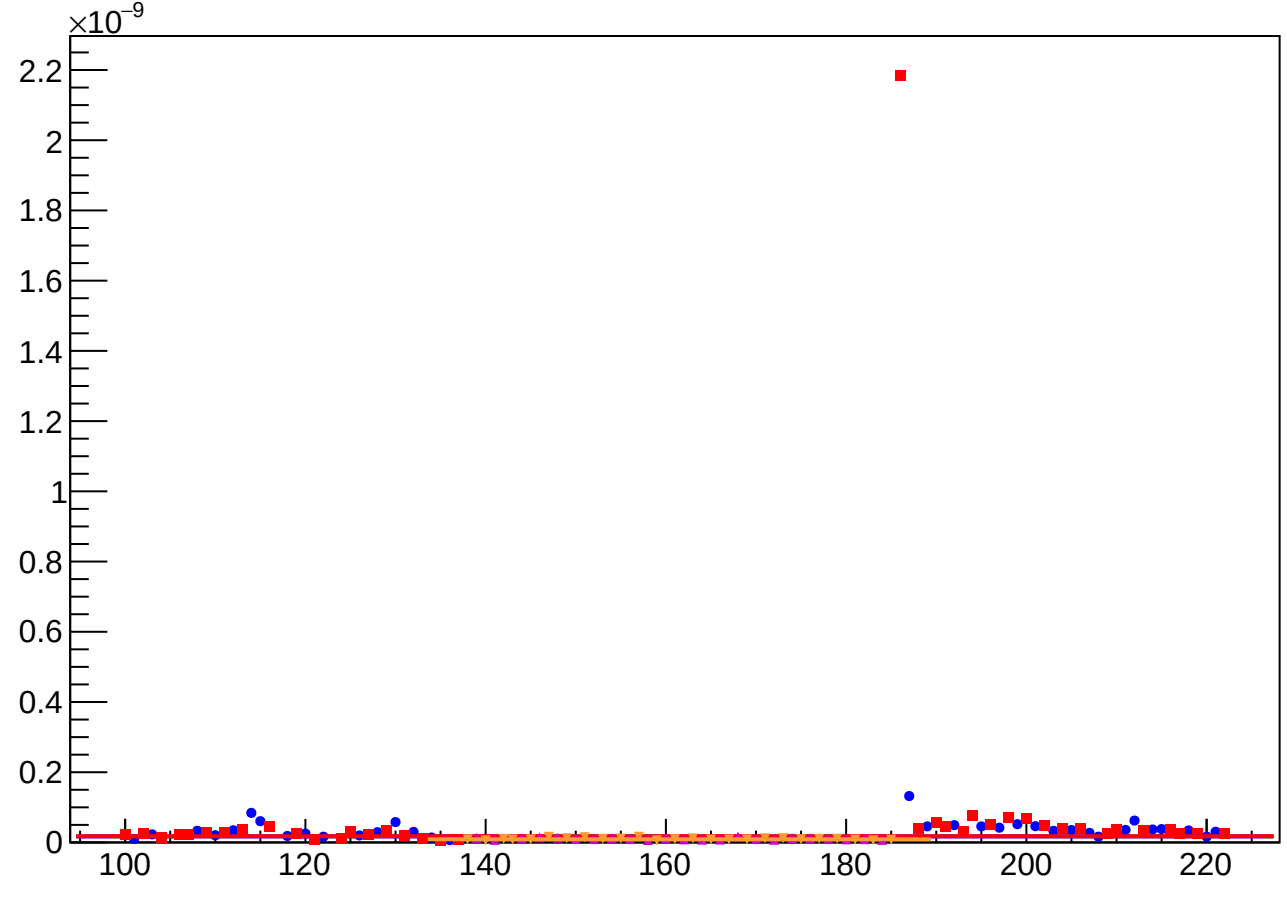
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 72.9/71

In: 0.000+/-0.000 χ^2/NDF:54.0/56

Out: -0.000+/-0.000 χ^2/NDF:71.1/62

All: 0.000+/-0.000 χ^2/NDF: 125.4/119



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: 8233440.9/37

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

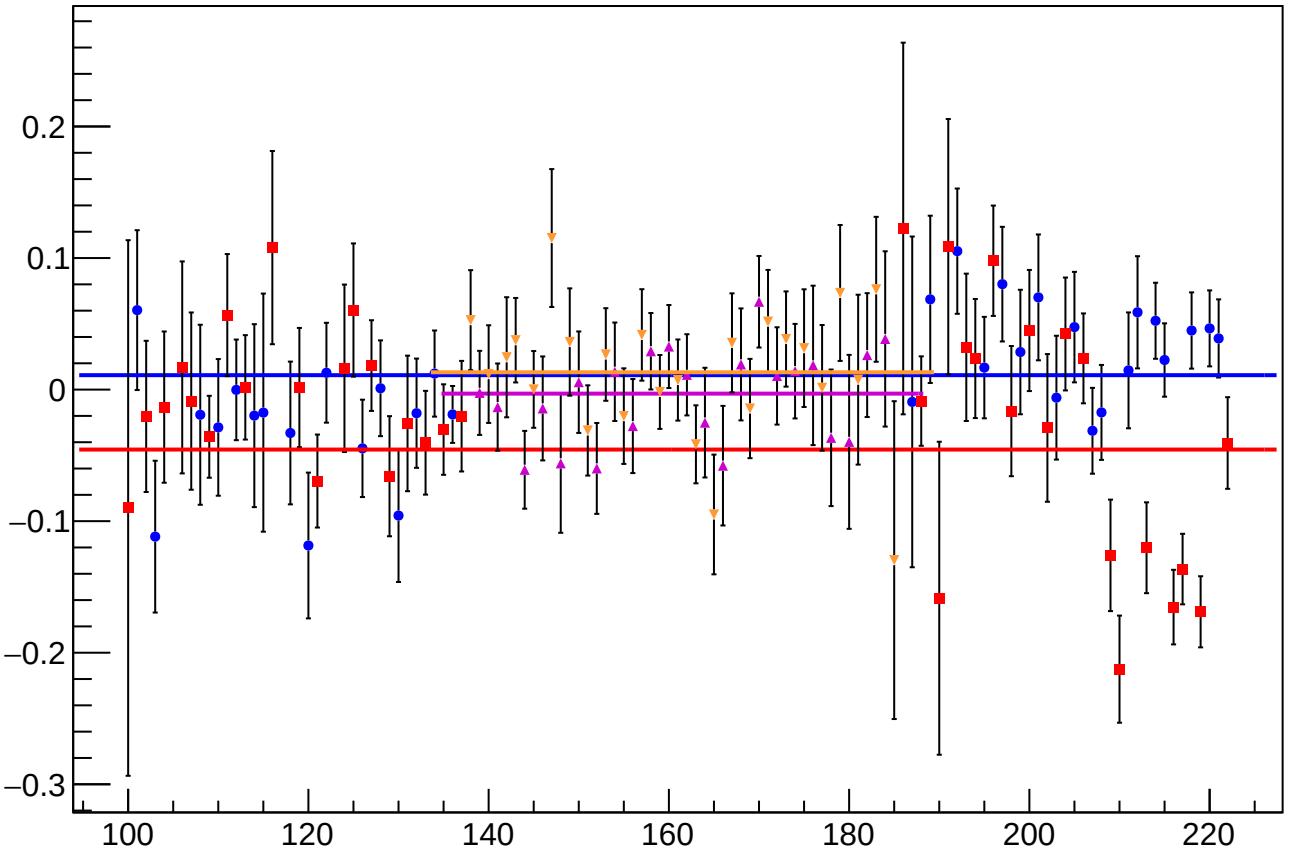
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15777995.2/71

In: 0.000+/-0.000 χ^2/NDF:9900359.7/56

Out: 0.000+/-0.000 χ^2/NDF:11889484.3/62

All: 0.000+/-0.000 χ^2/NDF: 21954494.8/119



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: 133.3/37

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

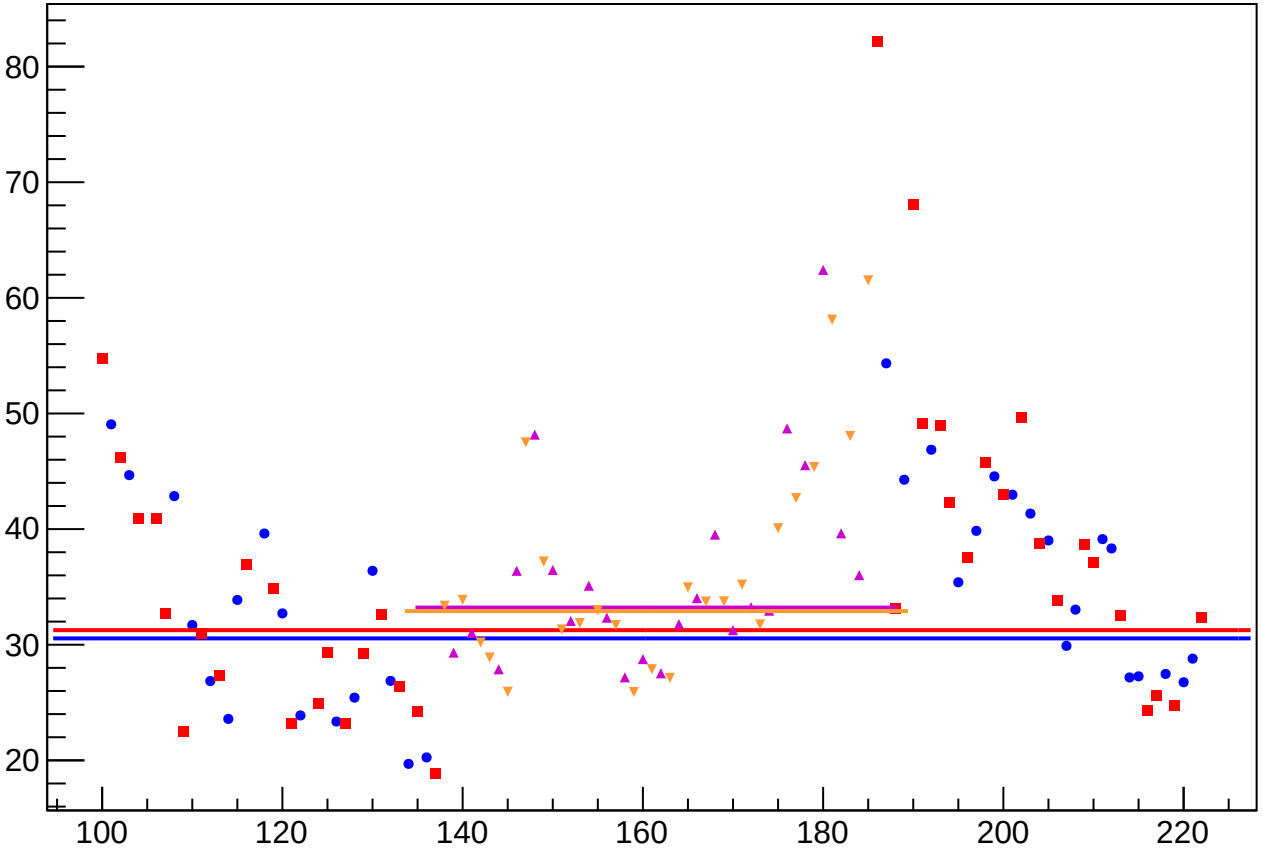
Right: -0.017+/-0.005 χ^2/NDF: 208.4/71

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.9/62

All: -0.007+/-0.004 χ^2/NDF: 264.1/119

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: 31.259+/-0.005 χ^2/NDF: 2887255.9/37

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

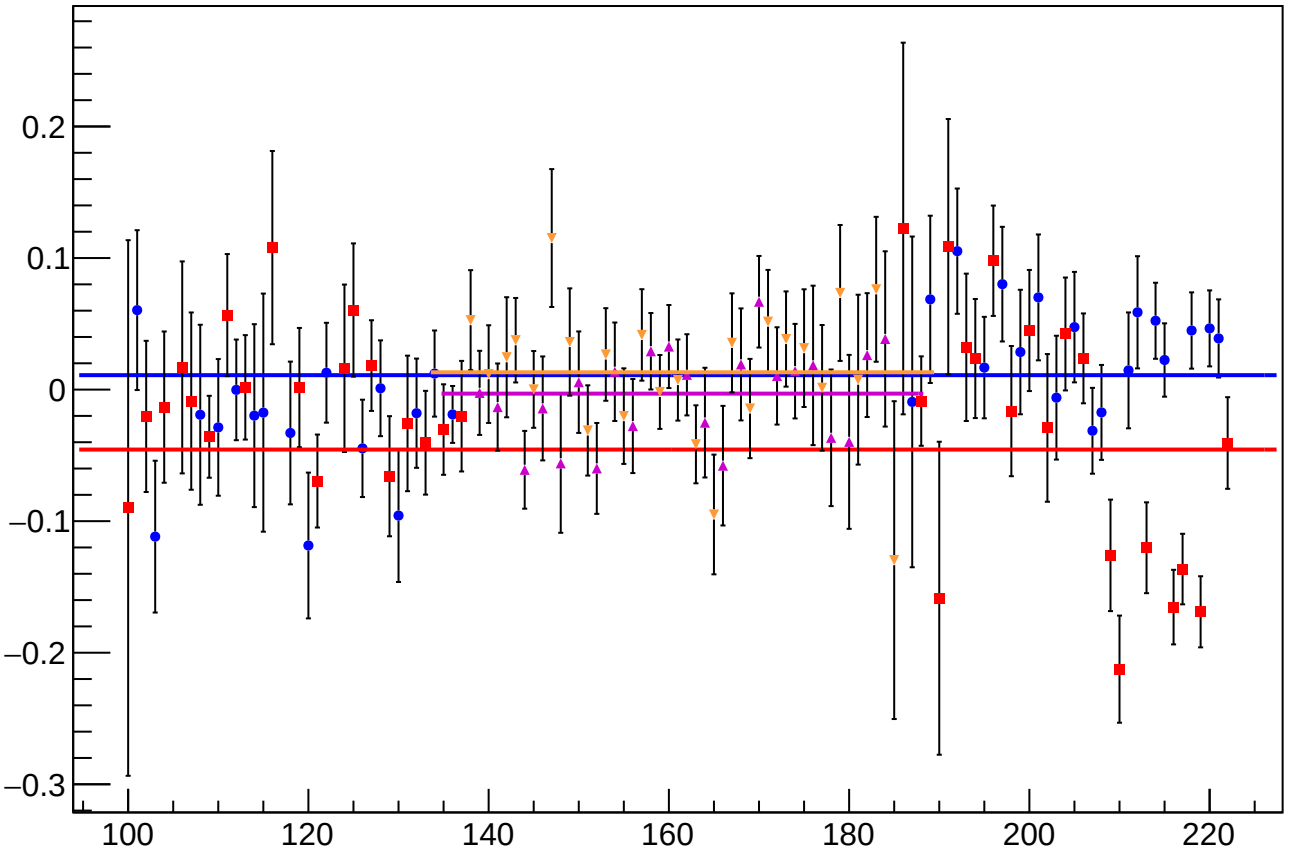
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.897+/-0.003 χ^2/NDF: 5552814.4/71

In: 31.672+/-0.004 χ^2/NDF:4006252.6/56

Out: 31.998+/-0.004 χ^2/NDF:4366011.8/62

All: 31.836+/-0.003 χ^2/NDF: 8376264.0/119



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: 133.3/37

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

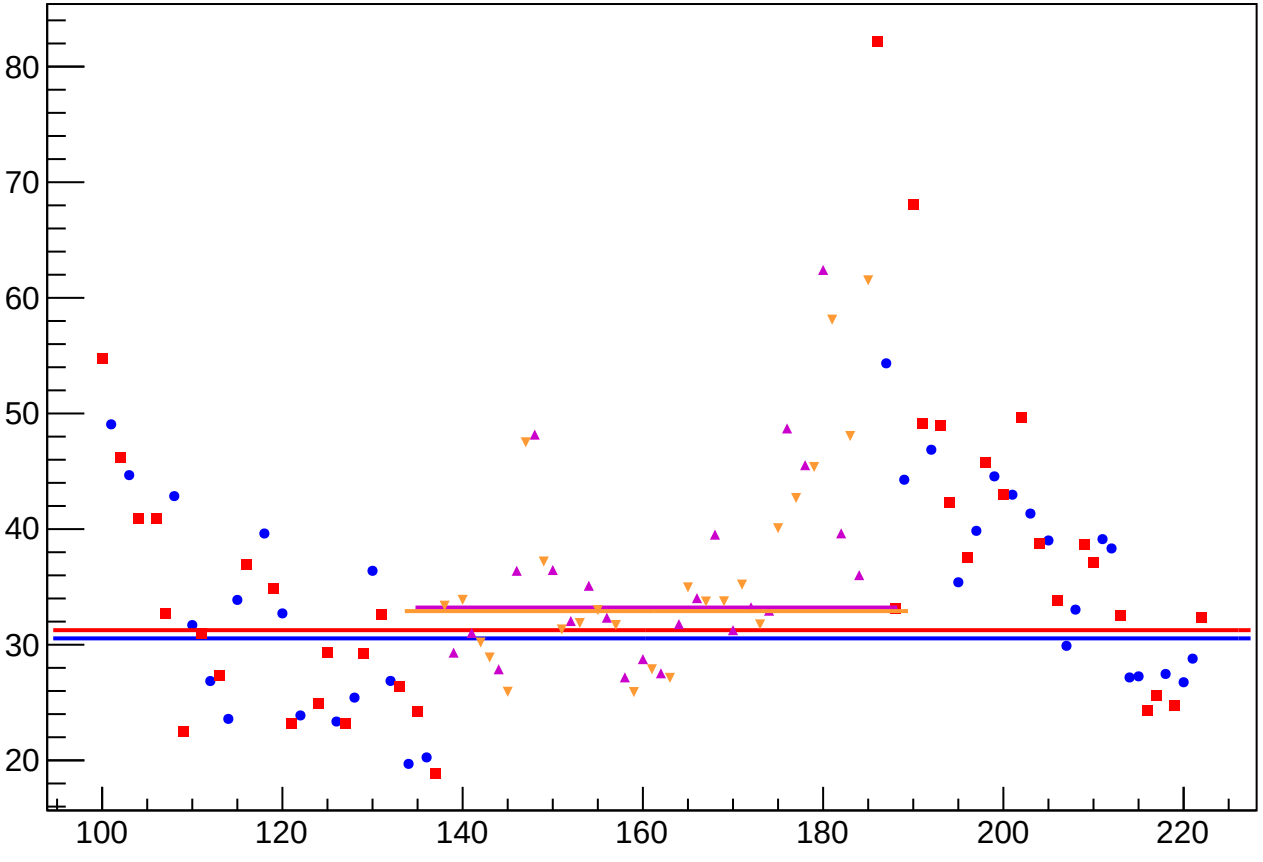
Right: -0.017+/-0.005 χ^2/NDF: 208.4/71

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.9/62

All: -0.007+/-0.004 χ^2/NDF: 264.1/119

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: 31.259+/-0.005 χ^2/NDF: 2887255.9/37

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

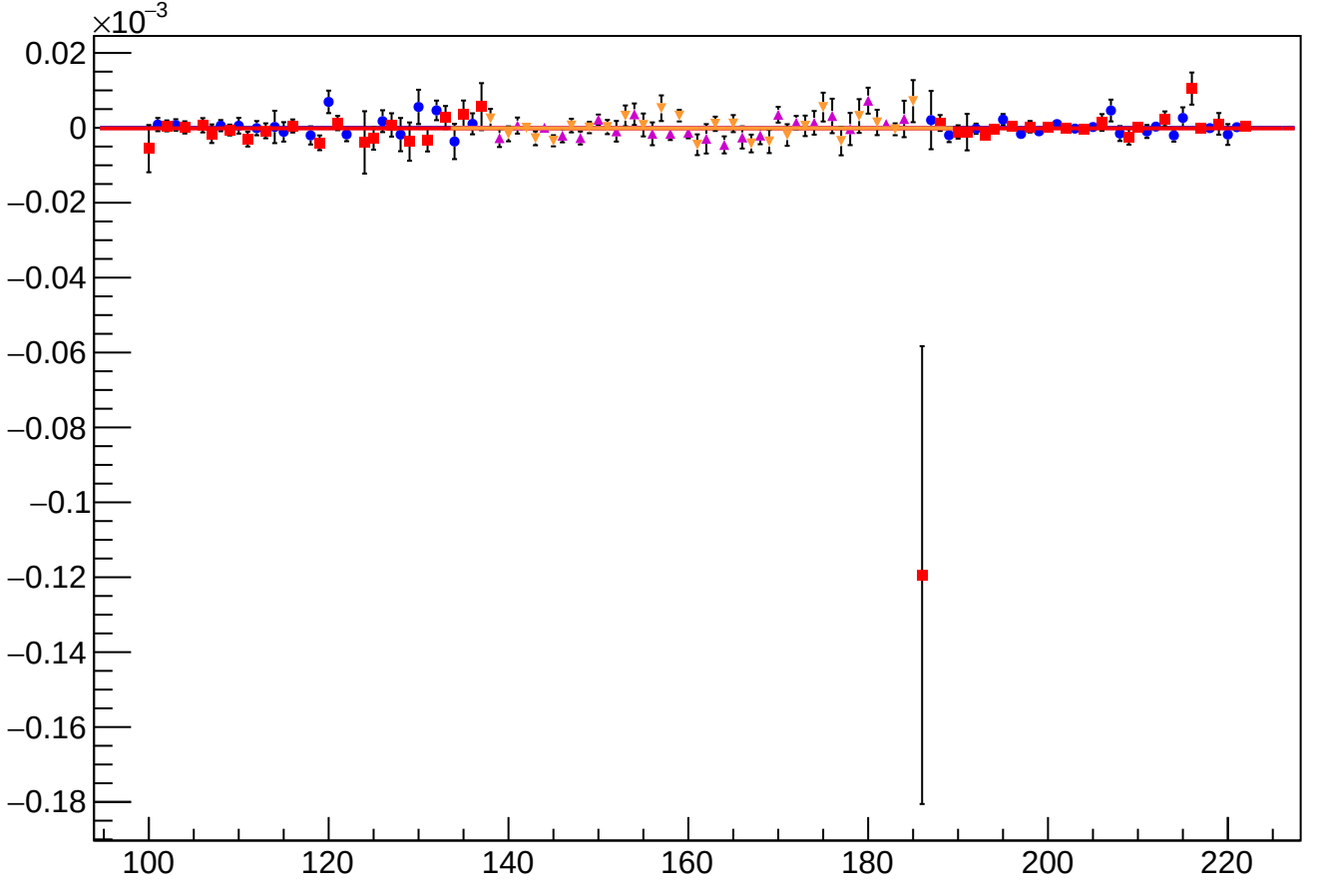
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.897+/-0.003 χ^2/NDF: 5552814.4/71

In: 31.672+/-0.004 χ^2/NDF:4006252.6/56

Out: 31.998+/-0.004 χ^2/NDF:4366011.8/62

All: 31.836+/-0.003 χ^2/NDF: 8376264.0/119



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: 32.2/37

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

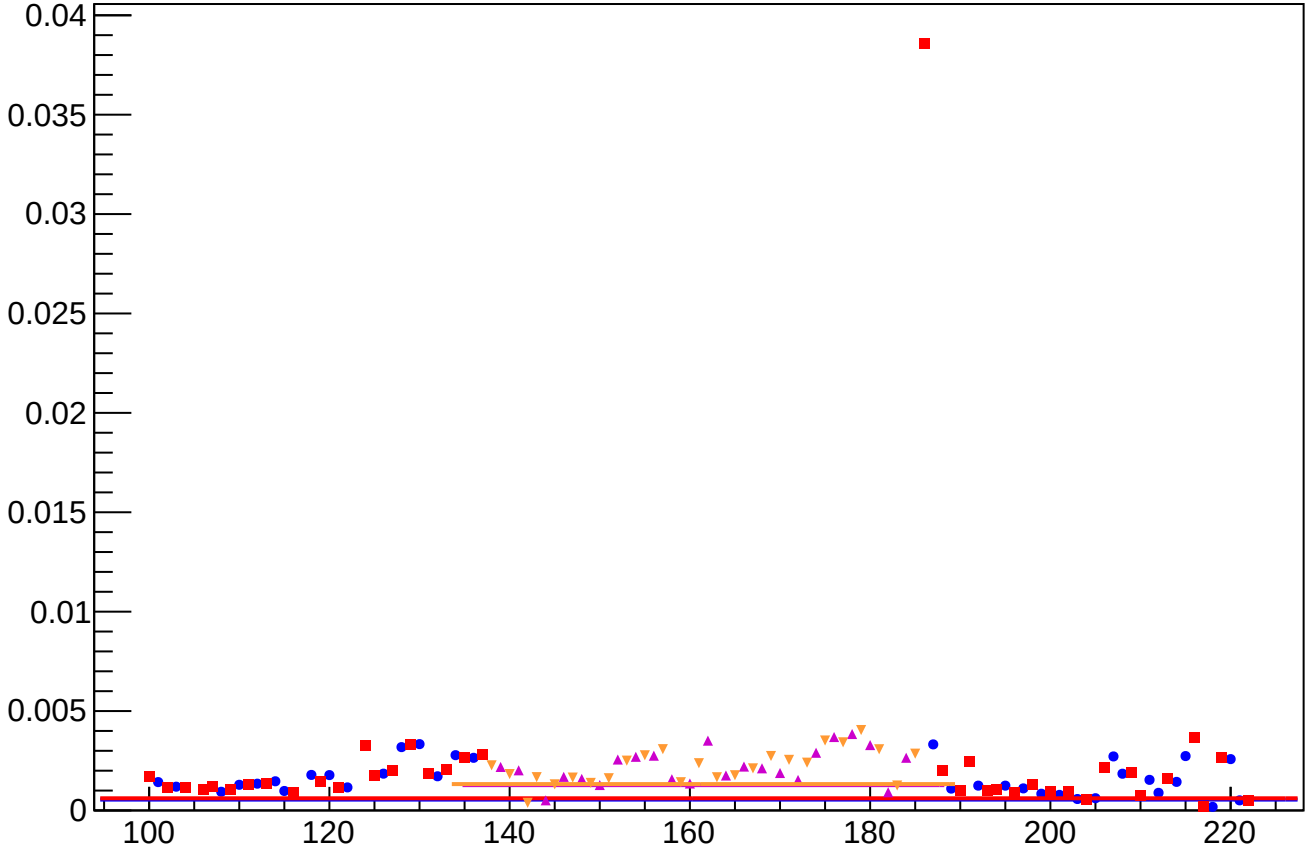
Right: -0.000+/-0.000 χ^2/NDF: 60.3/71

In: -0.000+/-0.000 χ^2/NDF:54.9/56

Out: -0.000+/-0.000 χ^2/NDF:63.2/62

All: -0.000+/-0.000 χ^2/NDF: 118.3/119

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: 18289760.9/37

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

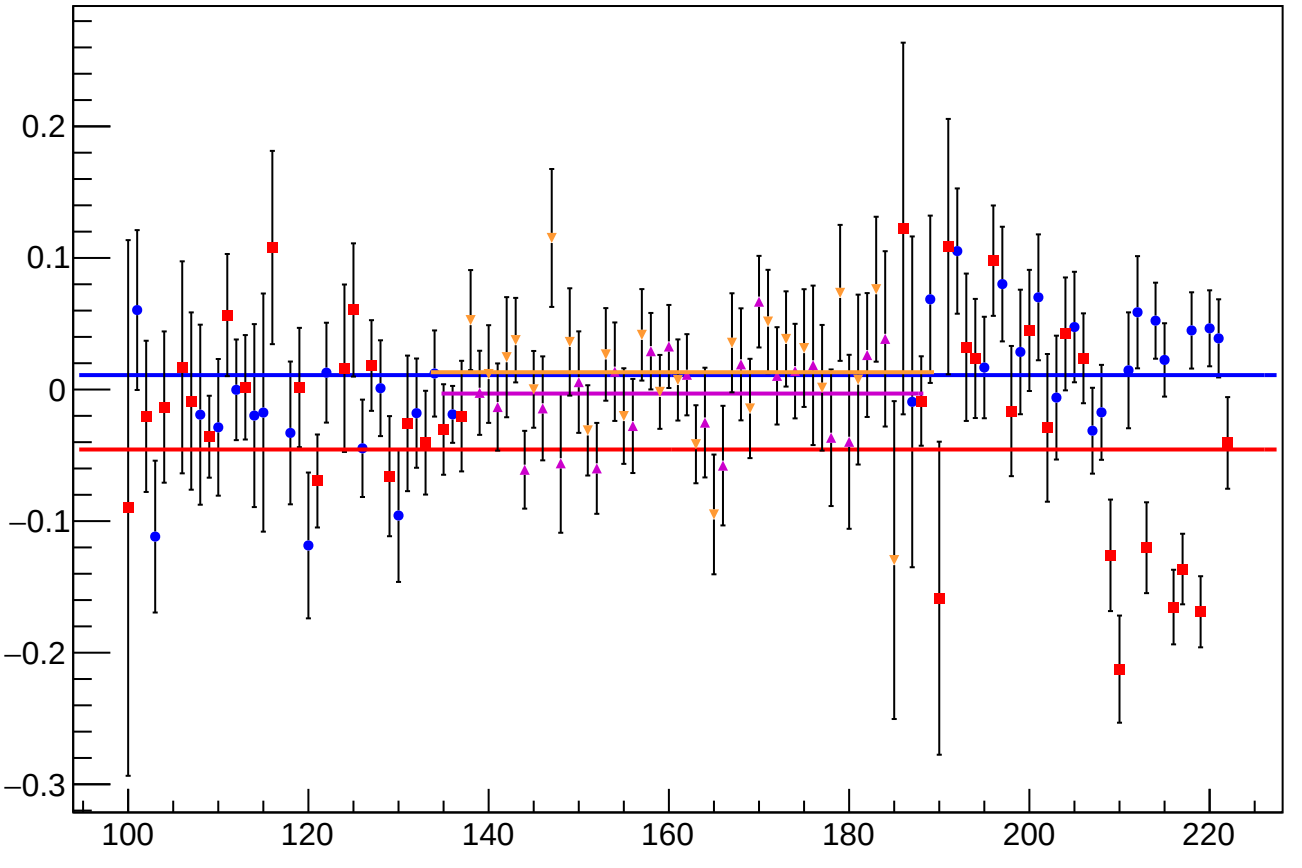
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 37812962.0/71

In: 0.001+/-0.000 χ^2/NDF:36128139.2/56

Out: 0.001+/-0.000 χ^2/NDF:35569056.6/62

All: 0.001+/-0.000 χ^2/NDF: 71891312.4/119



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: 133.3/37

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

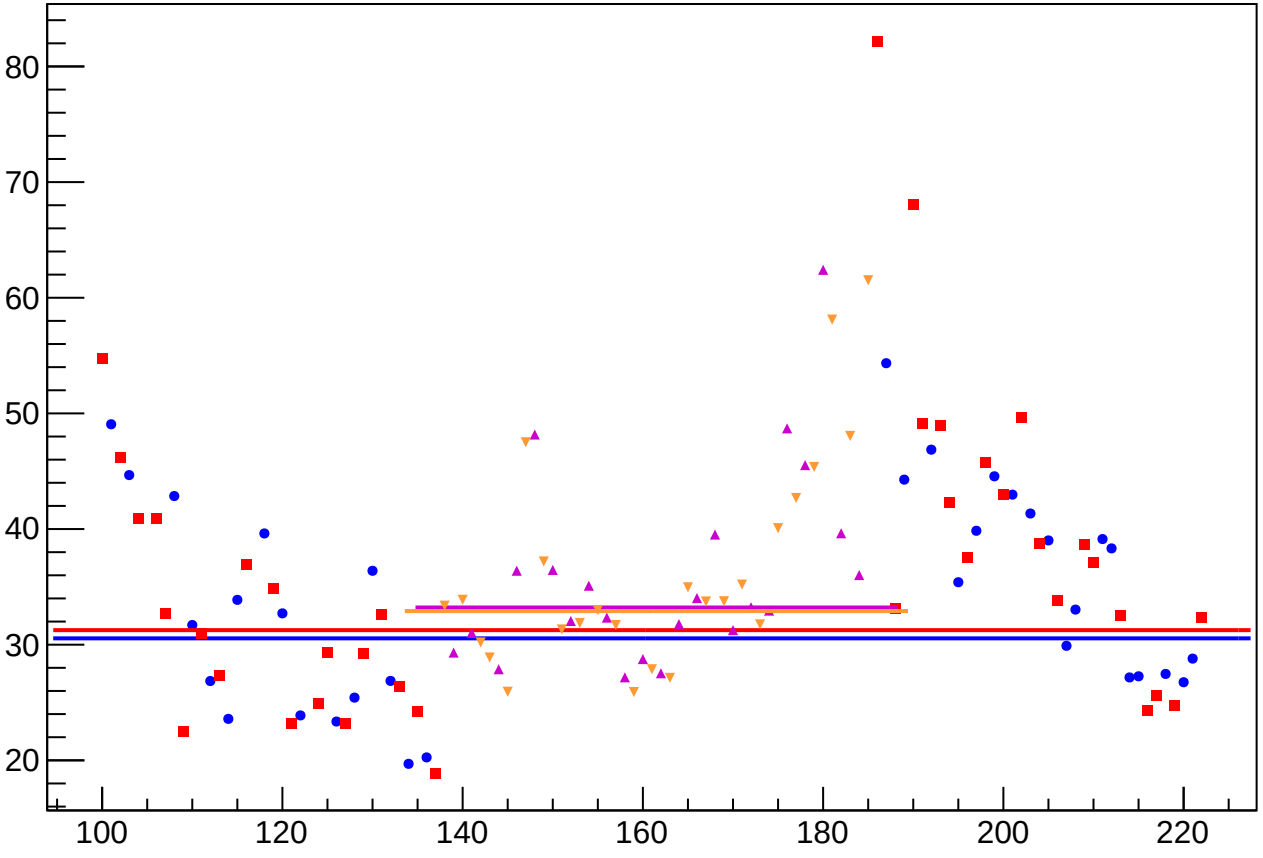
Right: -0.017+/-0.005 χ^2/NDF: 208.4/71

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.9/62

All: -0.007+/-0.004 χ^2/NDF: 264.1/119

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: 31.258+/-0.005 χ^2/NDF: 2887588.6/37

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

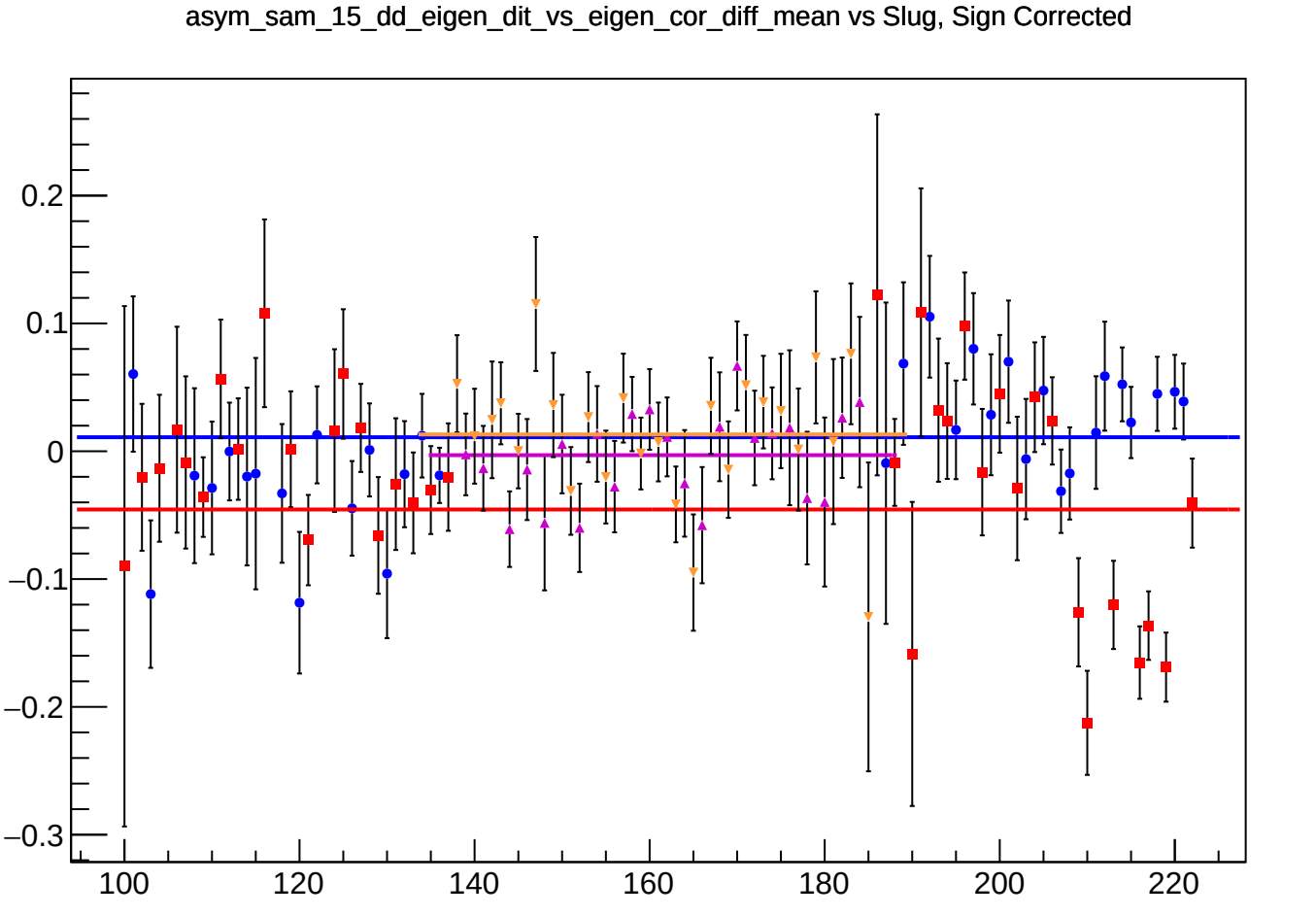
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.897+/-0.003 χ^2/NDF: 5553327.9/71

In: 31.671+/-0.004 χ^2/NDF:4006583.4/56

Out: 31.997+/-0.004 χ^2/NDF:4366473.3/62

All: 31.835+/-0.003 χ^2/NDF: 8377051.5/119



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: 133.3/37

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

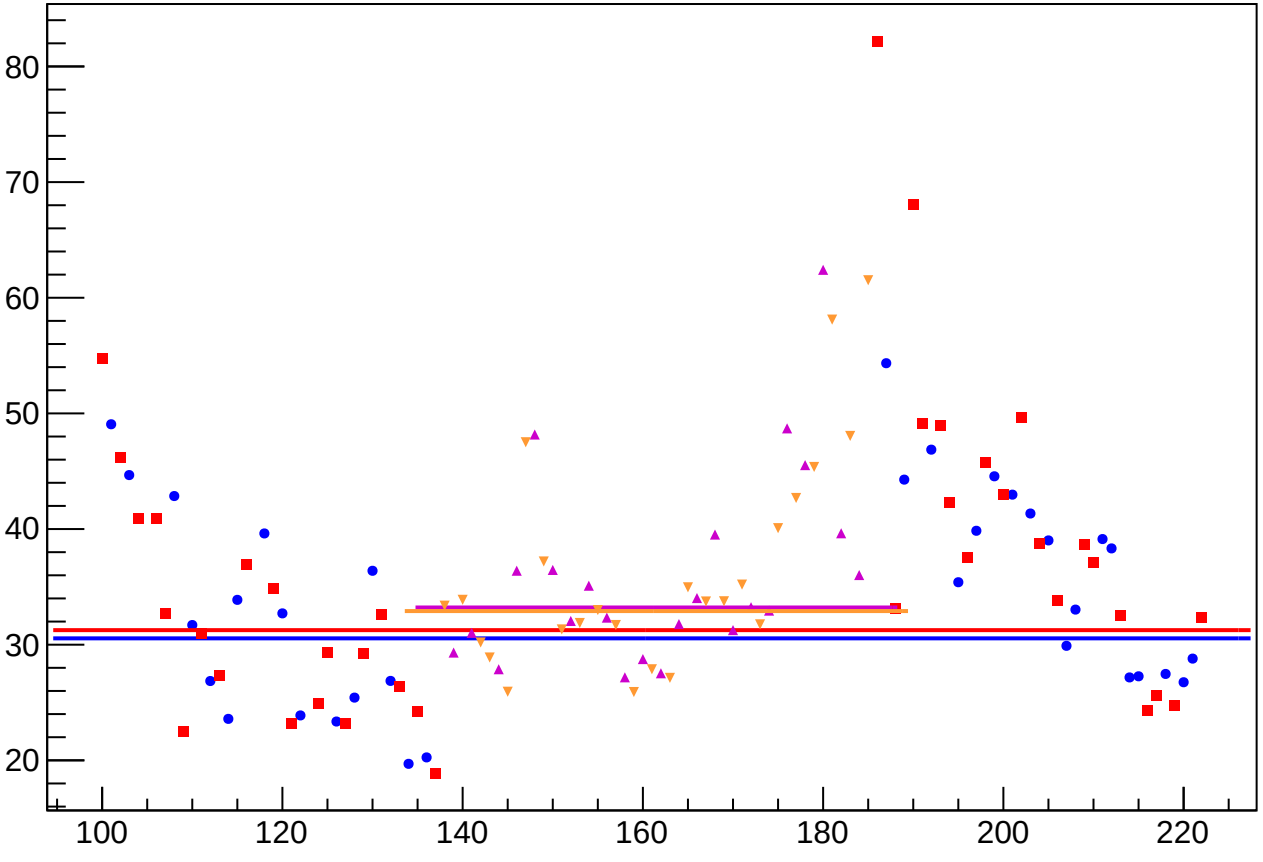
Right: -0.017+/-0.005 χ^2/NDF: 208.4/71

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.9/62

All: -0.007+/-0.004 χ^2/NDF: 264.1/119

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: 31.258+/-0.005 χ^2/NDF: 2887588.6/37

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

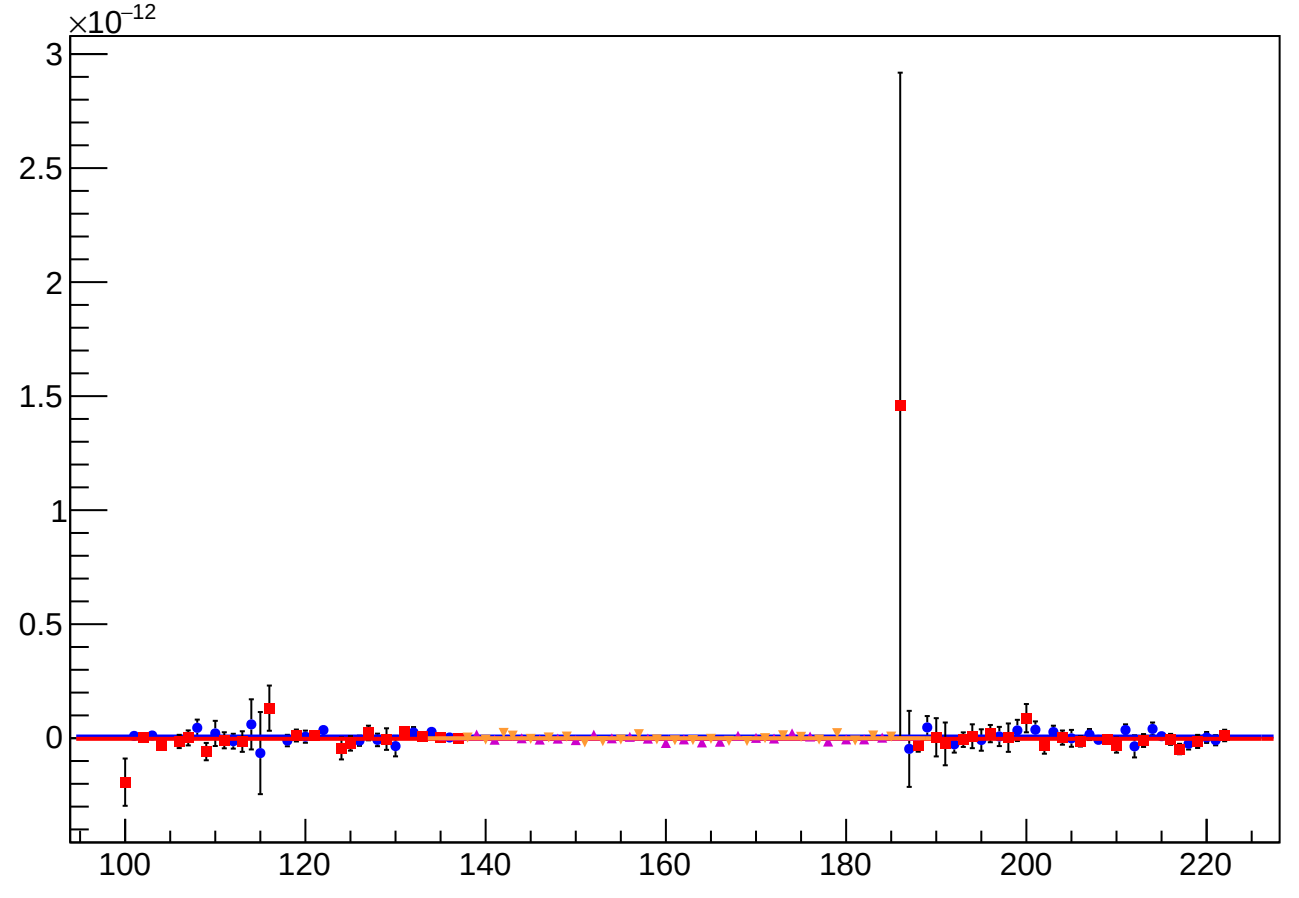
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.897+/-0.003 χ^2/NDF: 5553327.9/71

In: 31.671+/-0.004 χ^2/NDF:4006583.4/56

Out: 31.997+/-0.004 χ^2/NDF:4366473.3/62

All: 31.835+/-0.003 χ^2/NDF: 8377051.5/119



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: 27.1/37

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

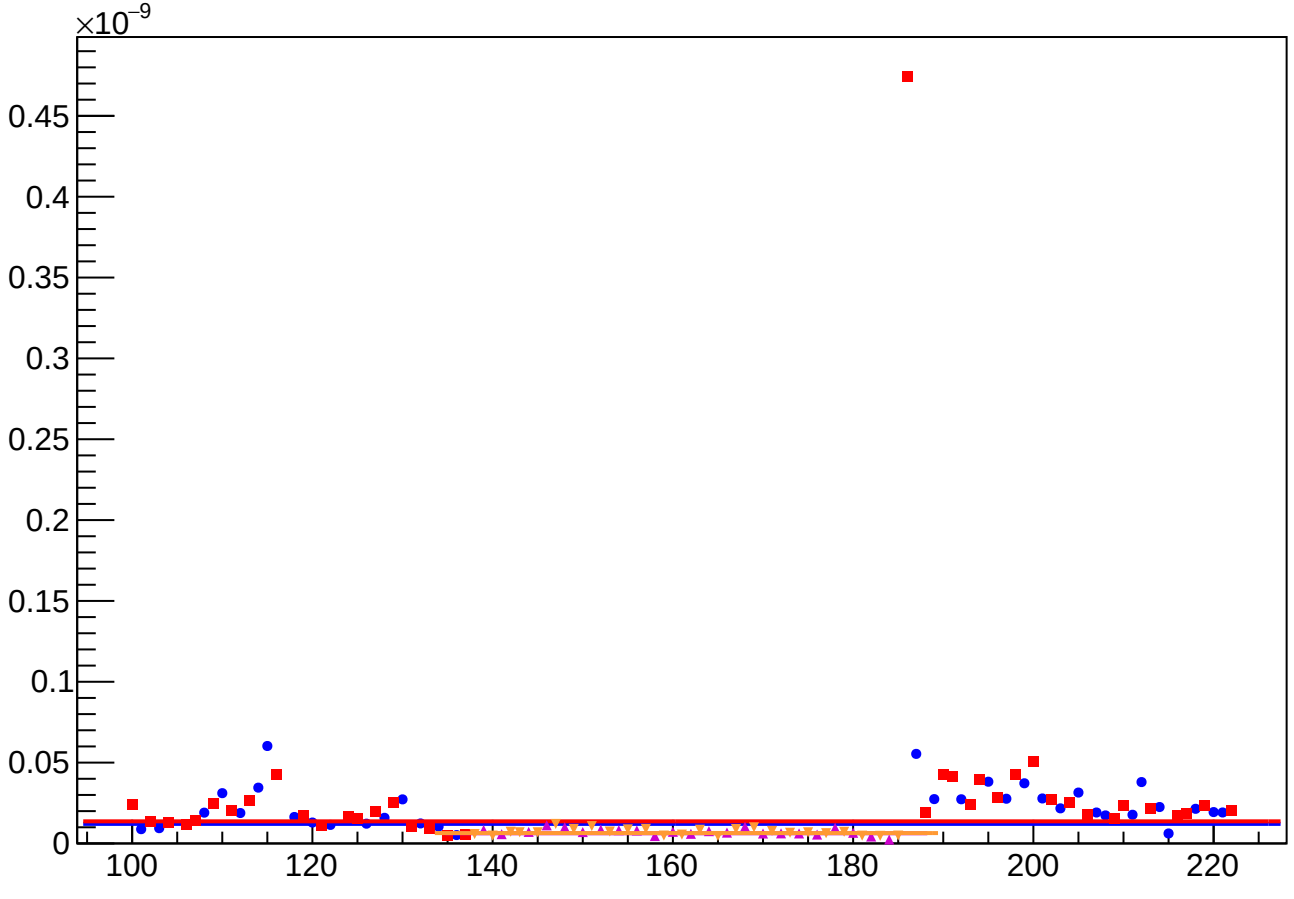
Right: 0.000+/-0.000 χ^2/NDF: 48.4/71

In: 0.000+/-0.000 χ^2/NDF:47.5/56

Out: -0.000+/-0.000 χ^2/NDF:58.4/62

All: -0.000+/-0.000 χ^2/NDF: 106.2/119

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9021233.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8155618.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

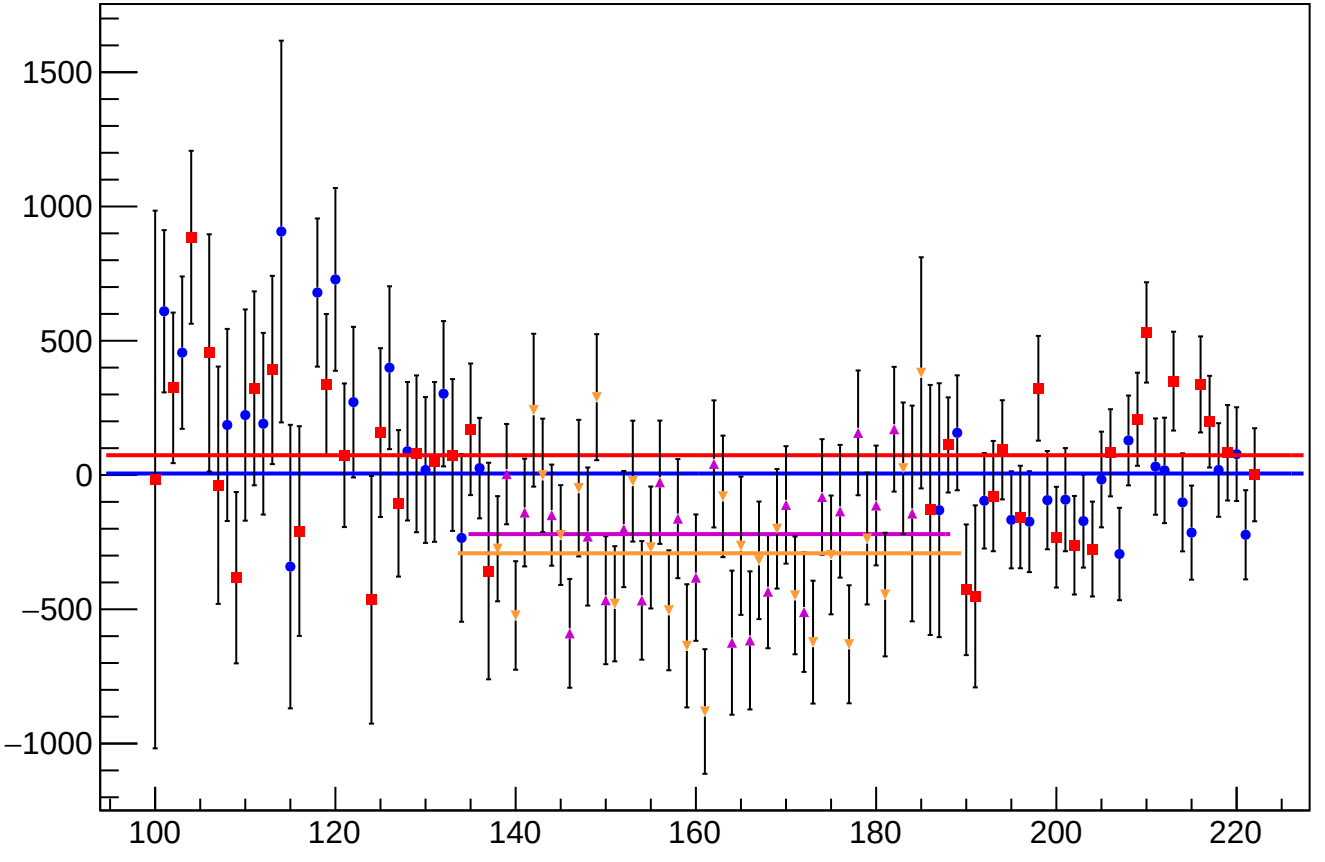
Right: 0.000+/-0.000 χ^2/NDF: 17339968.7/71

In: 0.000+/-0.000 χ^2/NDF:15019872.5/56

Out: 0.000+/-0.000 χ^2/NDF:15355081.7/62

All: 0.000+/-0.000 χ^2/NDF: 30381336.3/119

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: 73.711+/-37.804 χ^2/NDF: 48.1/37

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

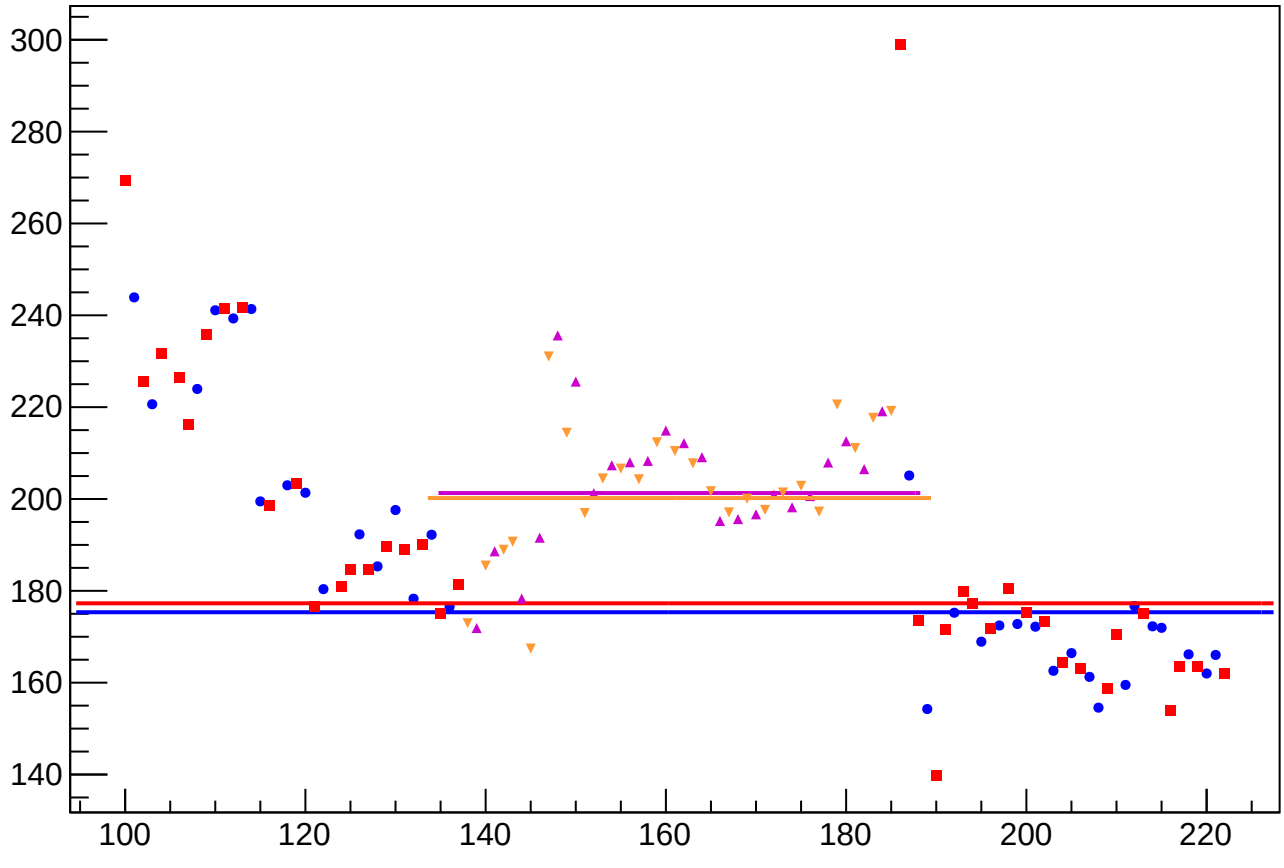
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 39.459+/-26.651 χ^2/NDF: 86.1/71

In: -82.024+/-29.386 χ^2/NDF:74.1/56

Out: -74.922+/-29.107 χ^2/NDF:122.5/62

All: -78.439+/-20.679 χ^2/NDF: 196.6/119



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: 177.285+/-0.027 χ^2/NDF: 727743.2/37

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

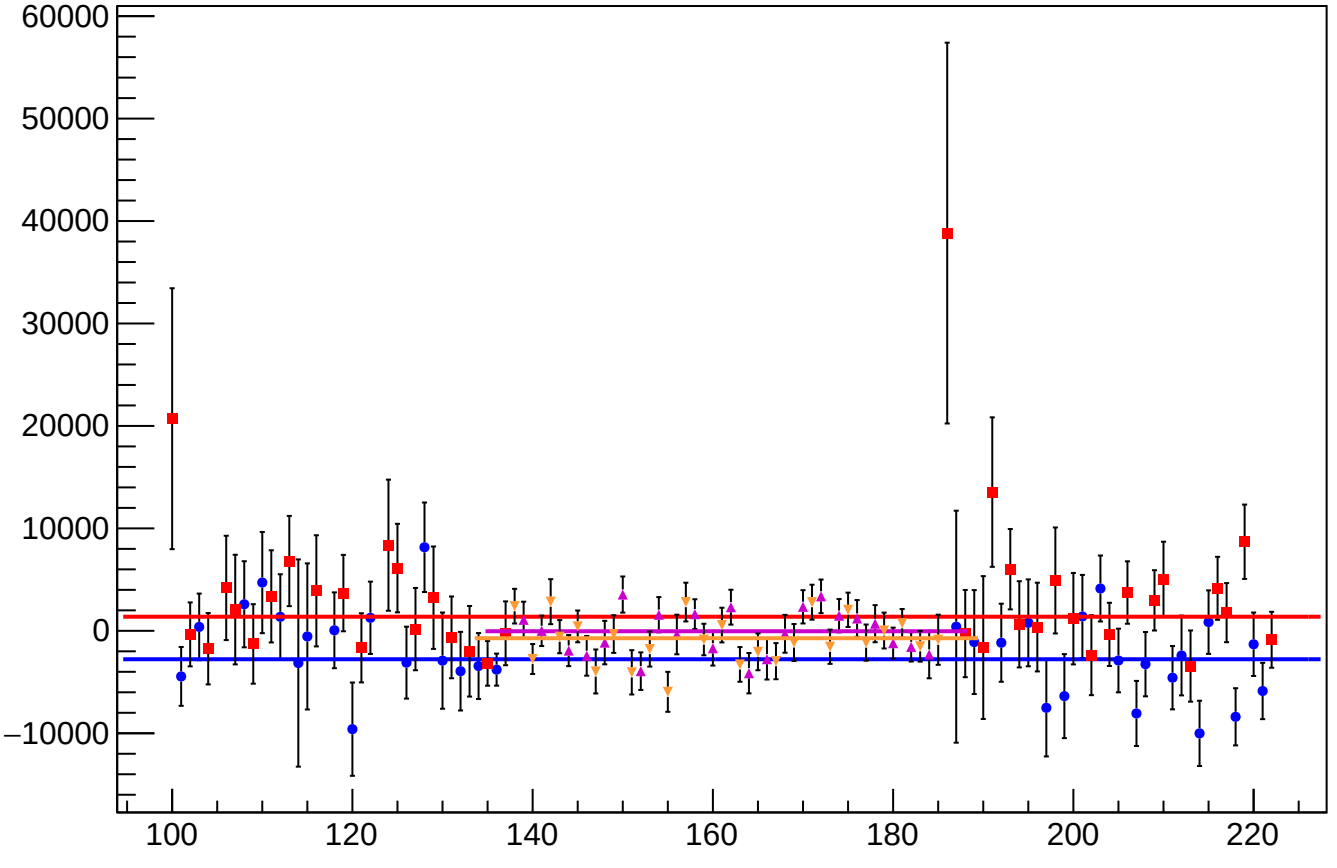
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.306+/-0.019 χ^2/NDF: 1263288.9/71

In: 185.424+/-0.021 χ^2/NDF:1085288.4/56

Out: 186.620+/-0.021 χ^2/NDF:1231609.6/62

All: 186.028+/-0.015 χ^2/NDF: 2318570.8/119



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: 1377.109+/-622.473 χ^2/NDF: 35.2/37

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

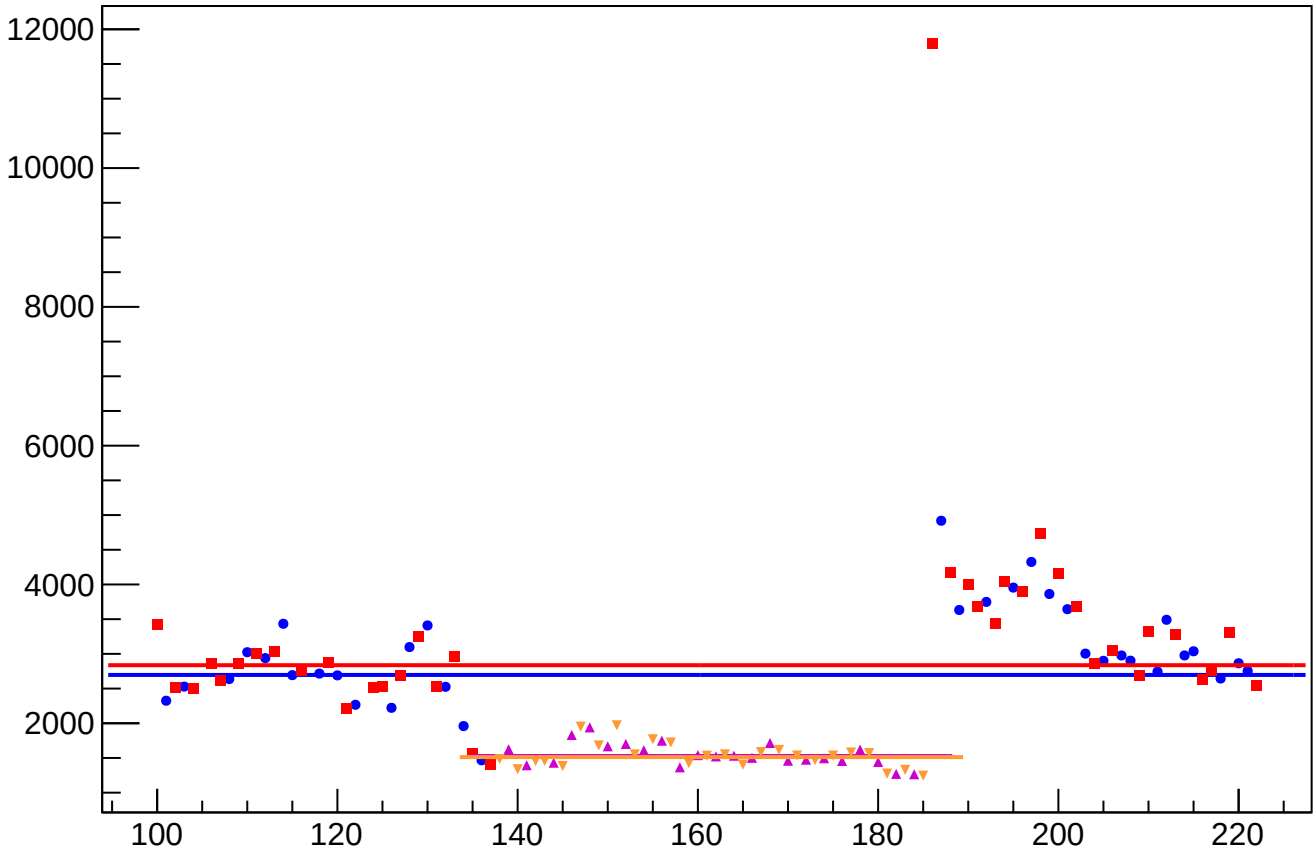
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -793.732+/-429.906 χ^2/NDF: 99.4/71

In: -770.788+/-307.474 χ^2/NDF:90.9/56

Out: -224.715+/-302.672 χ^2/NDF:82.2/62

All: -493.454+/-215.699 χ^2/NDF: 174.7/119



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: 2836.731+/-0.440 χ^2/NDF: 3042259.0/37

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

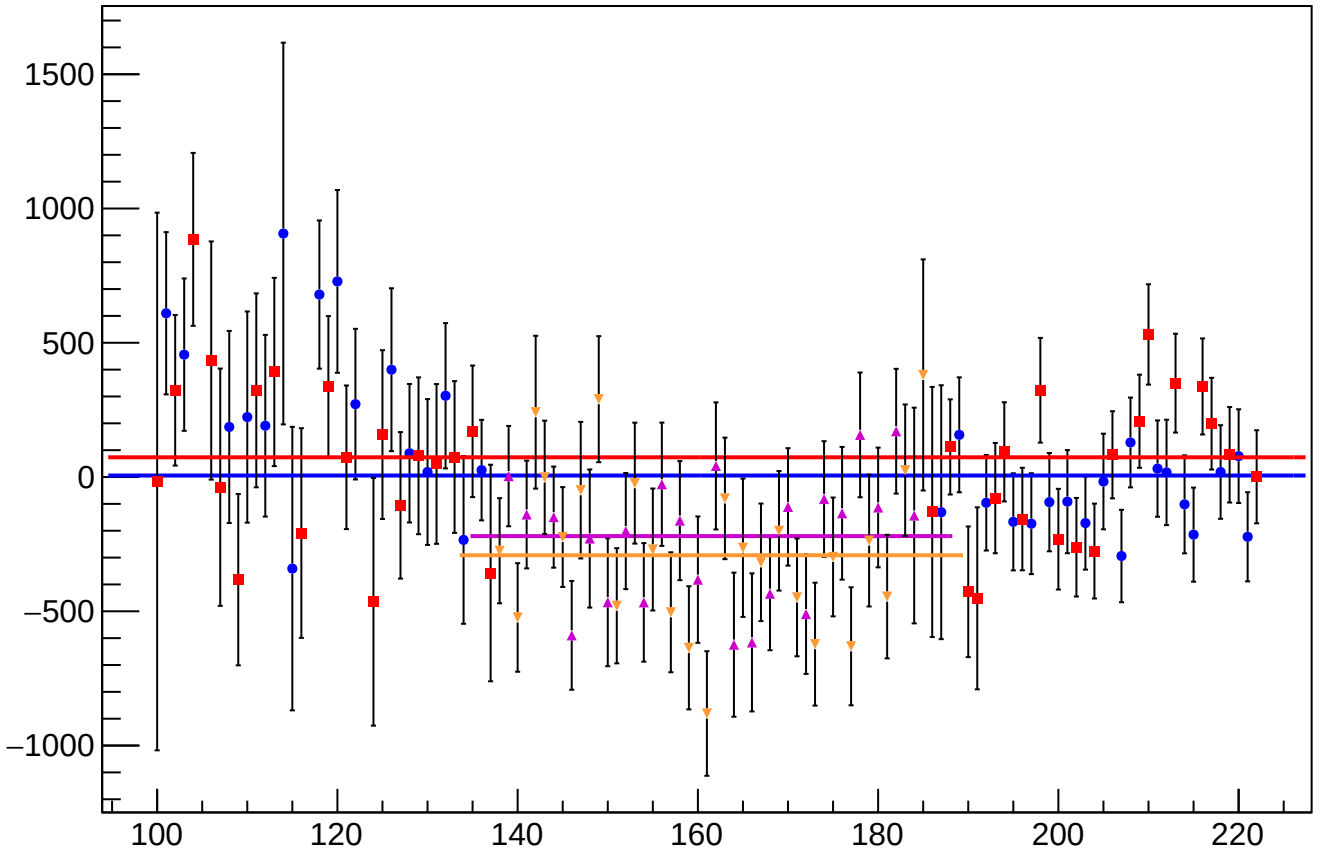
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2763.311+/-0.304 χ^2/NDF: 5798902.3/71

In: 1840.549+/-0.217 χ^2/NDF:8736492.2/56

Out: 1825.485+/-0.214 χ^2/NDF:10397617.2/62

All: 1832.898+/-0.153 χ^2/NDF: 19136547.6/1



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 73.495+/-37.805 χ^2/NDF: 48.0/37

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

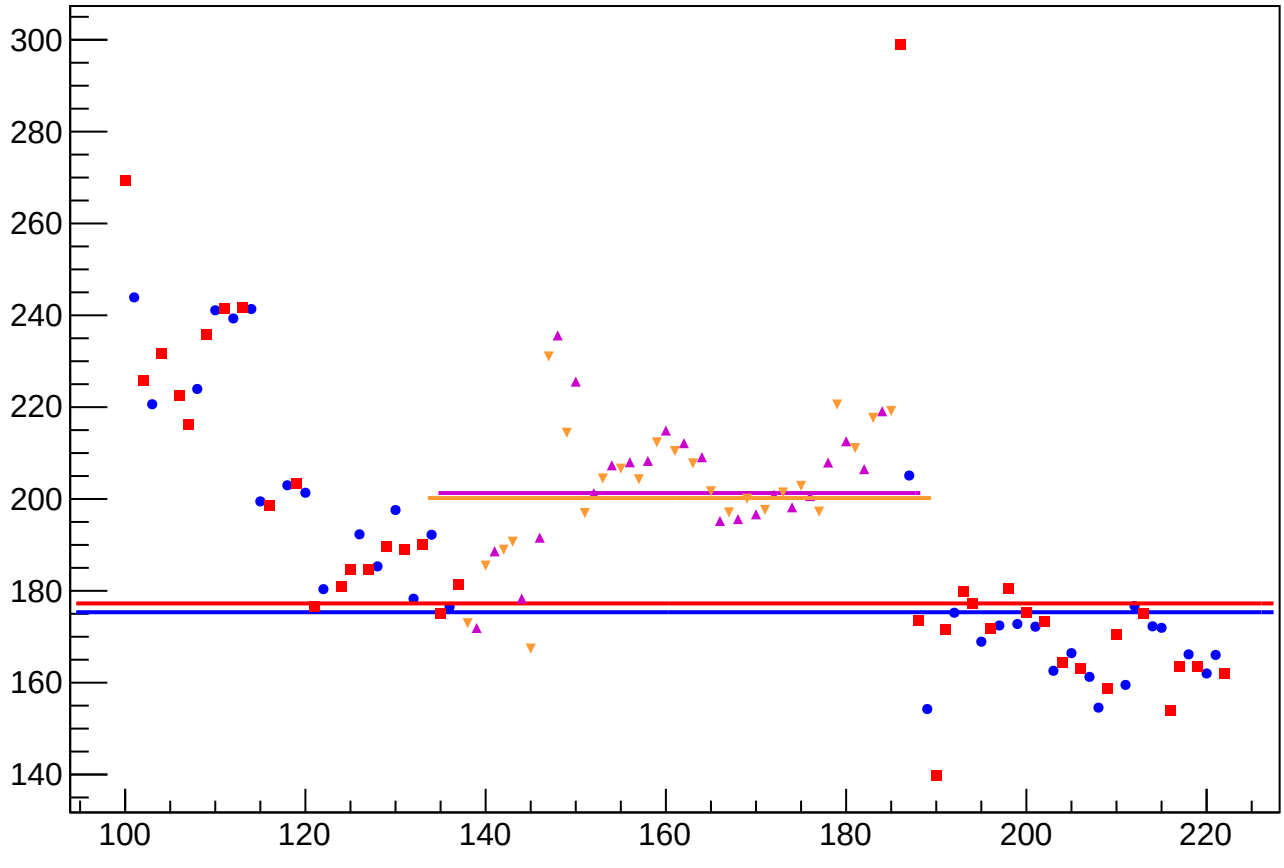
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 39.346+/-26.651 χ^2/NDF: 86.0/71

In: -82.033+/-29.386 χ^2/NDF:74.1/56

Out: -75.057+/-29.107 χ^2/NDF:122.3/62

All: -78.512+/-20.680 χ^2/NDF: 196.4/119



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: 177.254+/-0.027 χ^2/NDF: 723888.5/37

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

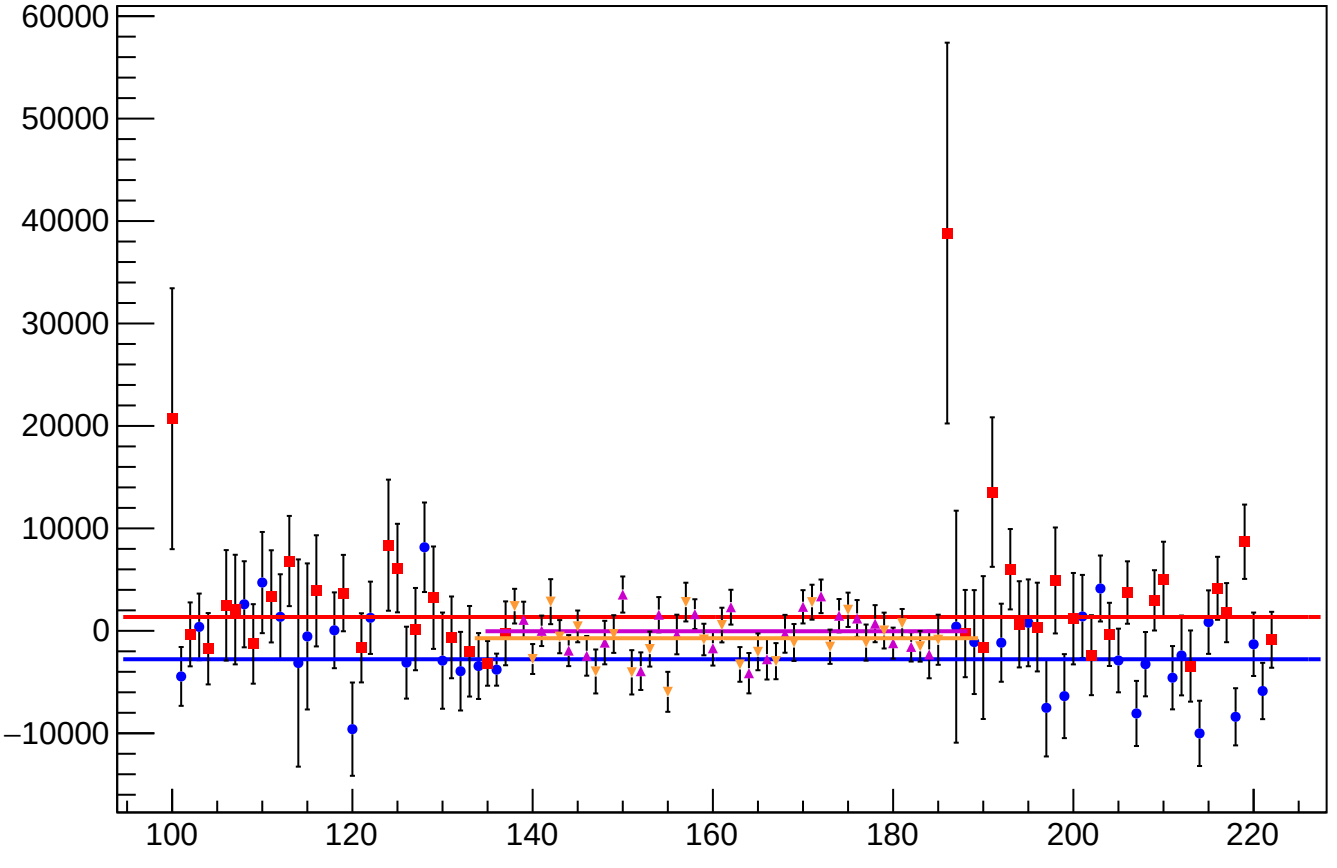
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.291+/-0.019 χ^2/NDF: 1259350.8/71

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 186.602+/-0.021 χ^2/NDF:1228552.9/62

All: 186.018+/-0.015 χ^2/NDF: 2315464.9/119



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: 1349.979+/-622.989 χ^2/NDF: 34.9/37

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

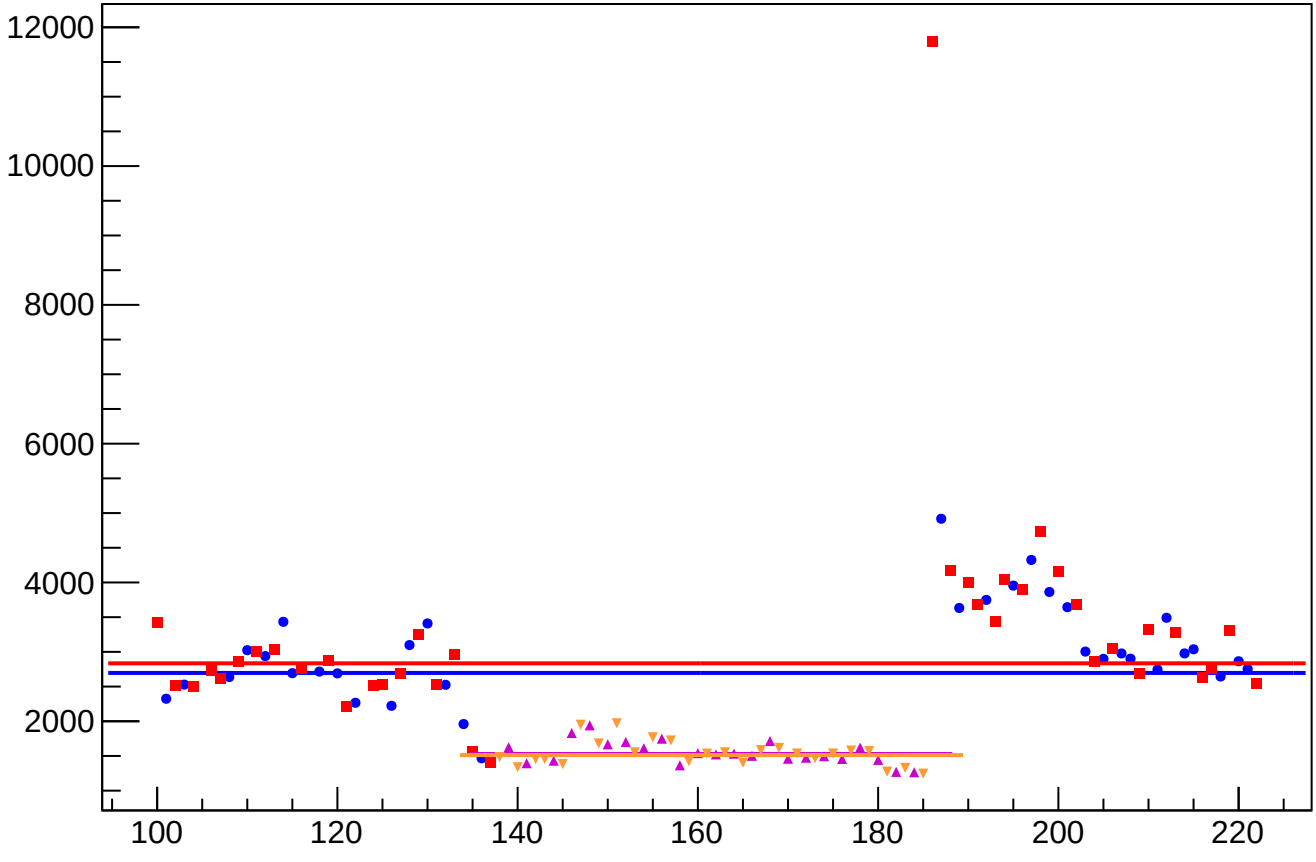
Right: -808.369+/-430.076 χ^2/NDF: 98.9/71

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -231.751+/-302.731 χ^2/NDF:81.7/62

All: -497.078+/-215.721 χ^2/NDF: 174.1/119

asym_sam_26_dd_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: 2834.910+/-0.441 χ^2/NDF: 3042804.9/37

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

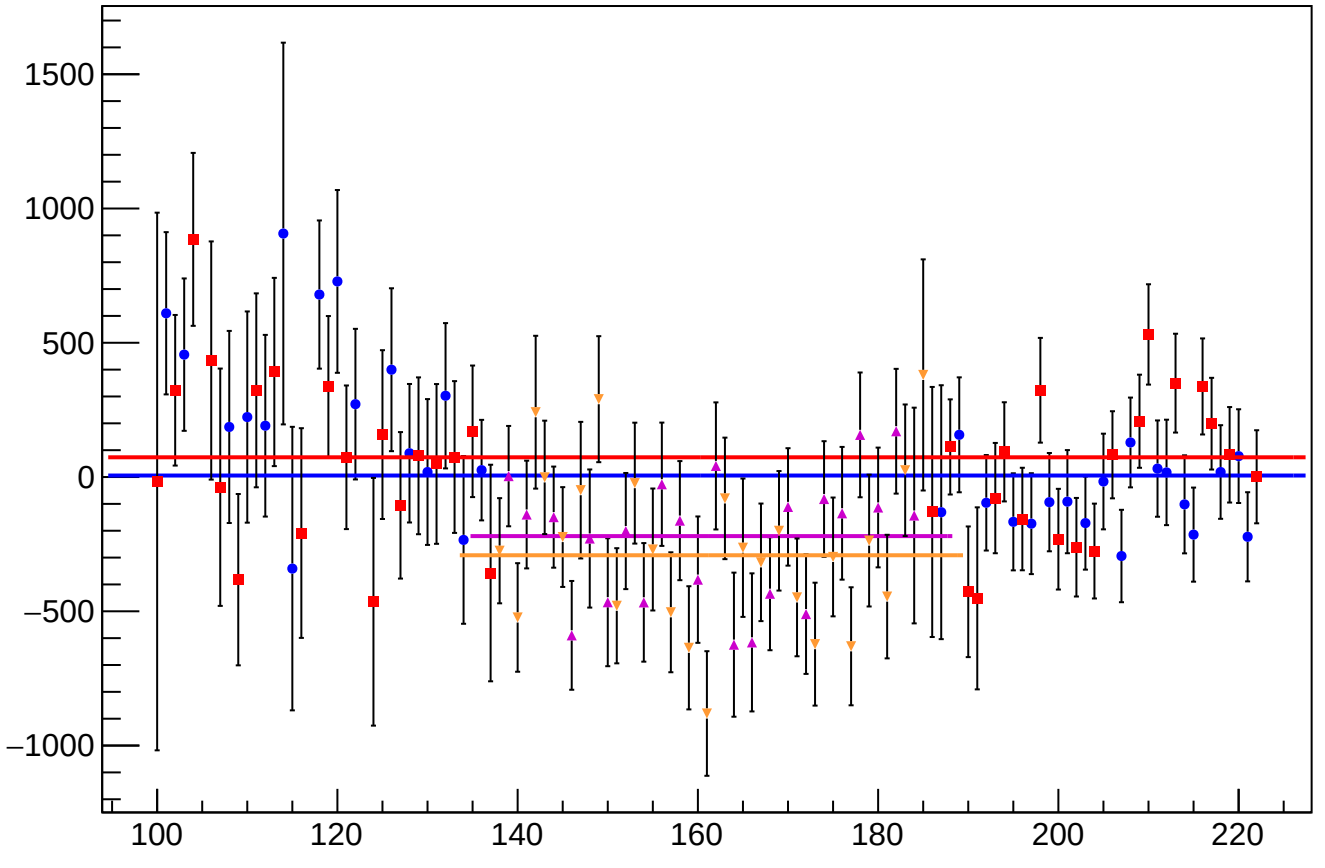
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2762.386+/-0.304 χ^2/NDF: 5798022.1/71

In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1824.659+/-0.214 χ^2/NDF:10370450.3/62

All: 1832.481+/-0.153 χ^2/NDF: 19109663.6/1



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 73.495+/-37.805 χ^2/NDF: 48.0/37

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

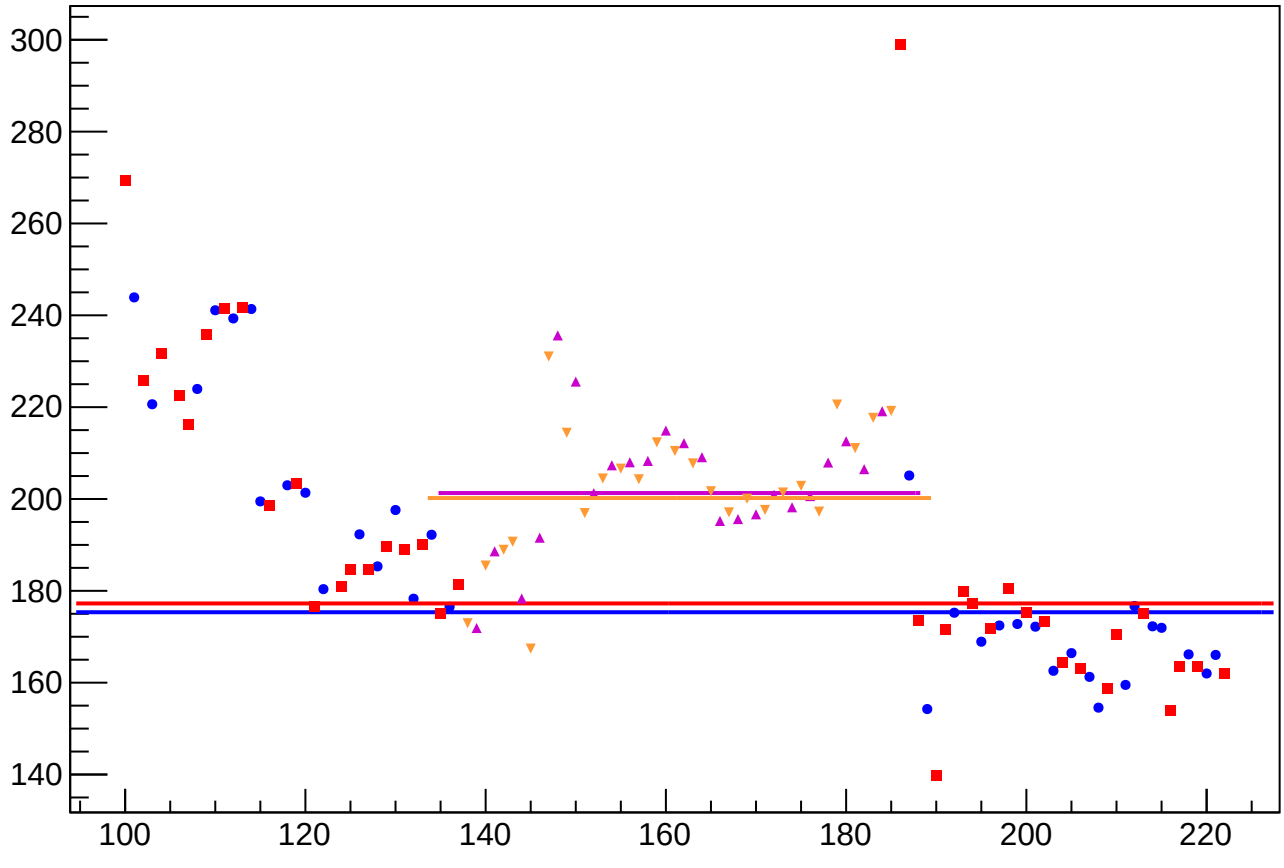
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 39.346+/-26.651 χ^2/NDF: 86.0/71

In: -82.033+/-29.386 χ^2/NDF:74.1/56

Out: -75.057+/-29.107 χ^2/NDF:122.3/62

All: -78.512+/-20.680 χ^2/NDF: 196.4/119



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: 177.254+/-0.027 χ^2/NDF: 723888.5/37

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

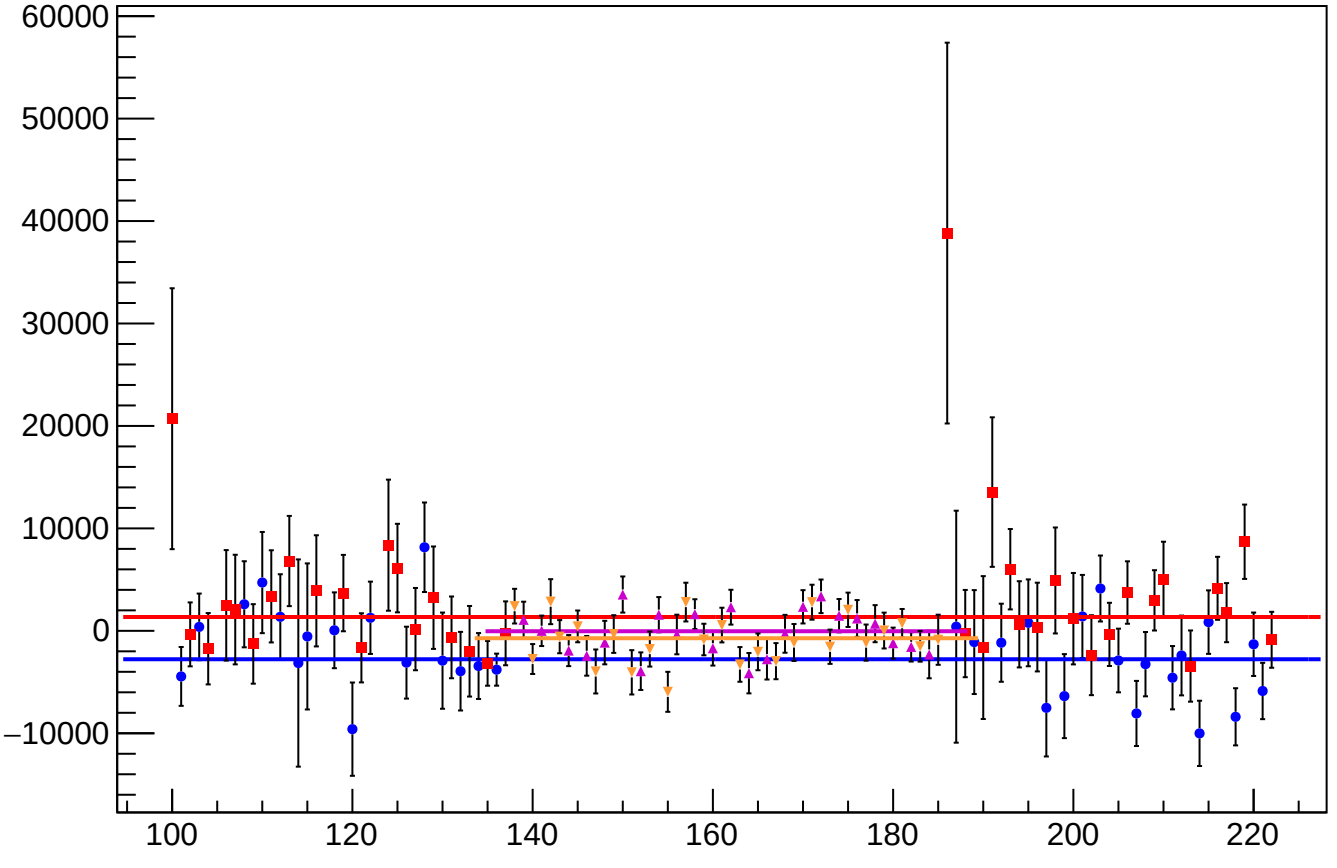
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.291+/-0.019 χ^2/NDF: 1259350.8/71

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 186.602+/-0.021 χ^2/NDF:1228552.9/62

All: 186.018+/-0.015 χ^2/NDF: 2315464.9/119



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: 1349.979+/-622.989 χ^2/NDF: 34.9/37

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

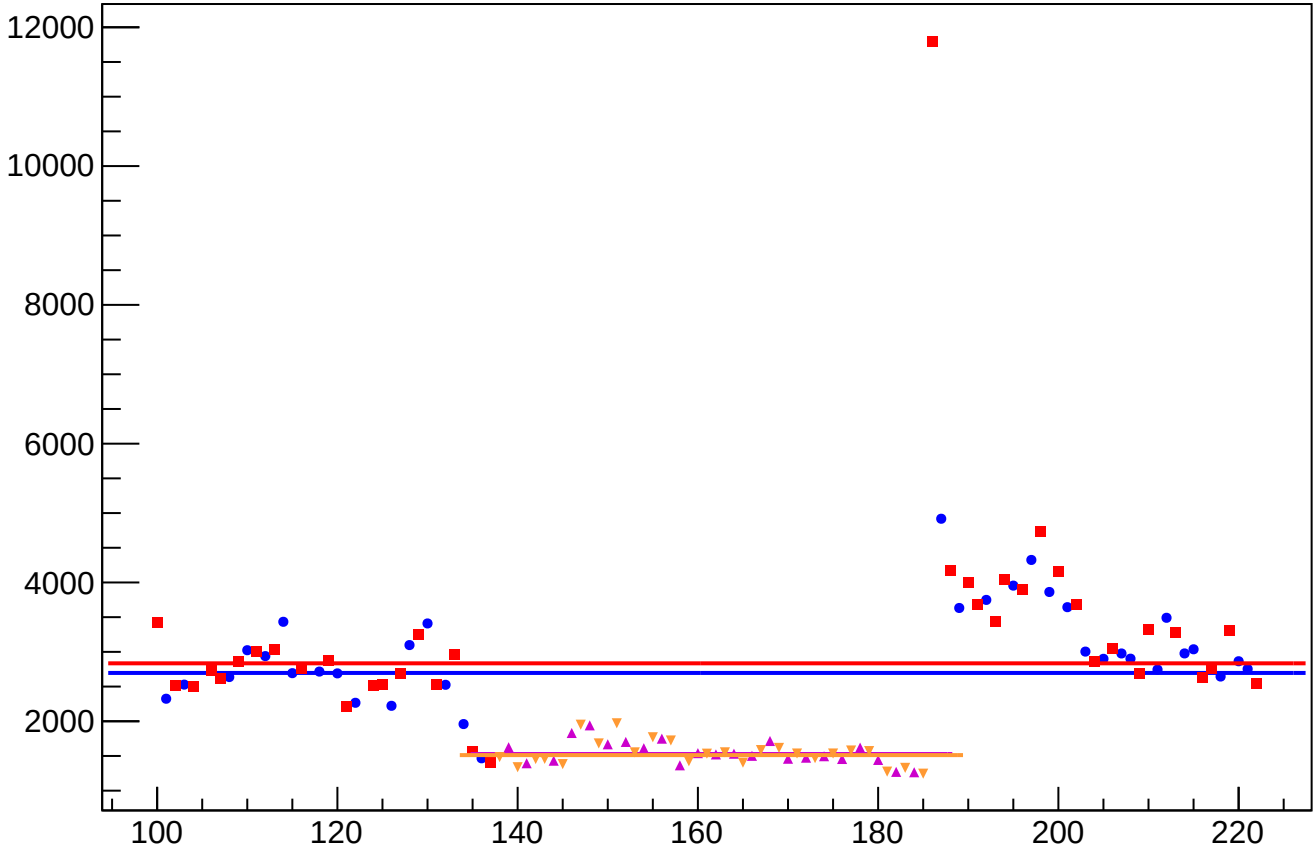
Right: -808.369+/-430.076 χ^2/NDF: 98.9/71

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -231.751+/-302.731 χ^2/NDF:81.7/62

All: -497.078+/-215.721 χ^2/NDF: 174.1/119

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: 2834.910+/-0.441 χ^2/NDF: 3042804.9/37

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

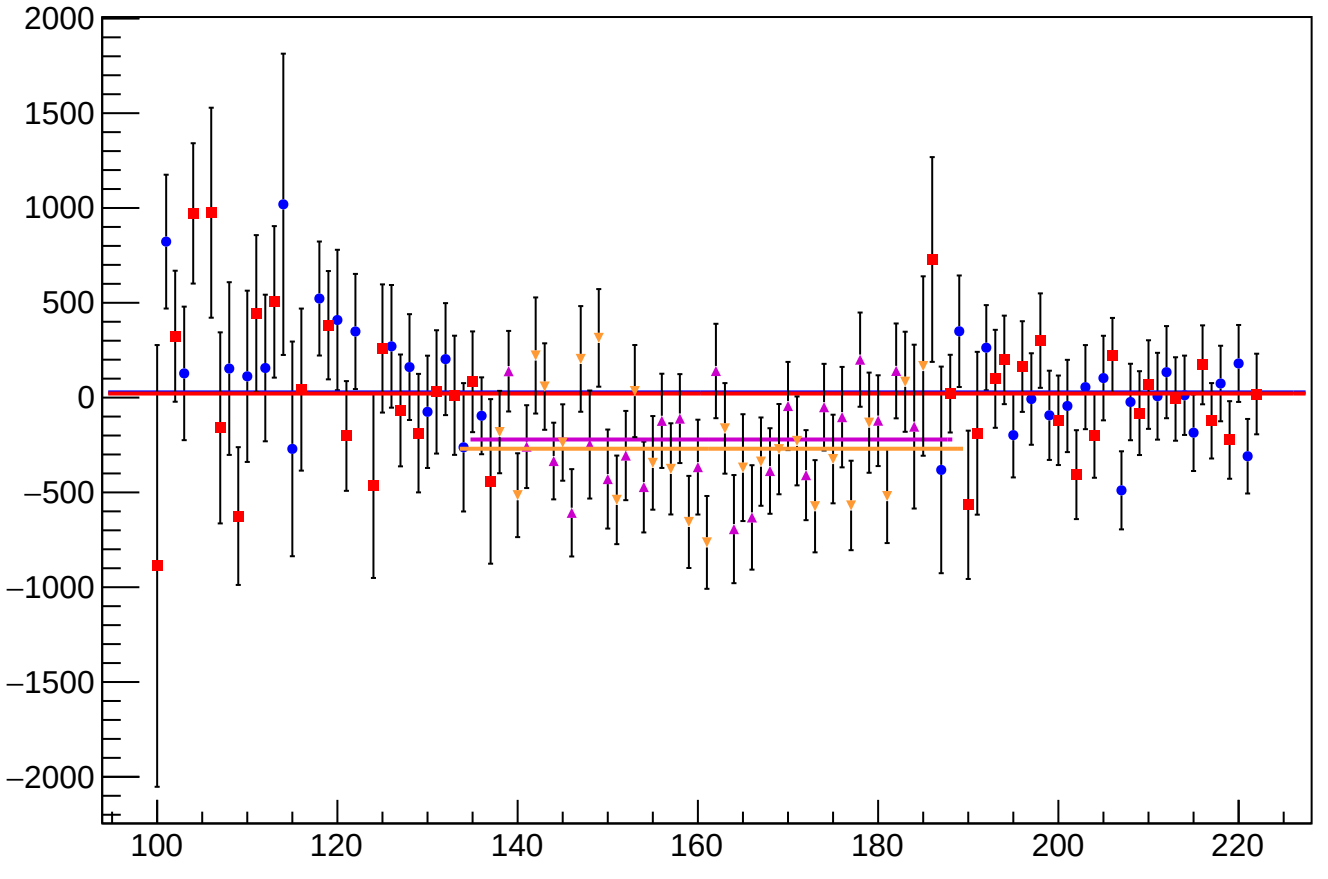
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2762.386+/-0.304 χ^2/NDF: 5798022.1/71

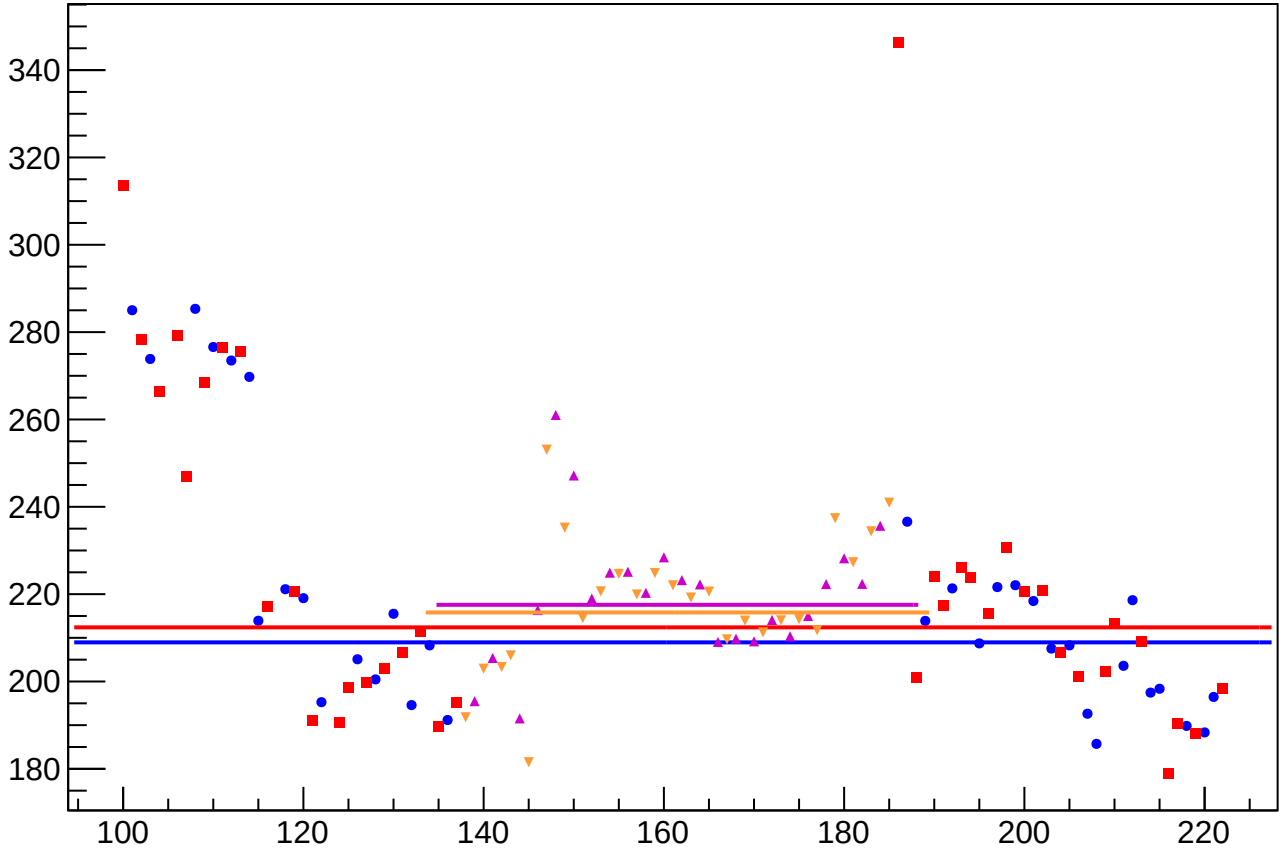
In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1824.659+/-0.214 χ^2/NDF:10370450.3/62

All: 1832.481+/-0.153 χ^2/NDF: 19109663.6/1


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
220
Right In: 27.503+/-44.764 χ²/NDF: 30.1/33
Left Out: -269.678+/-49.158 χ²/NDF:31.5/24
Right Out: 21.381+/-45.271 χ²/NDF: 37.1/37
Left In: -220.926+/-50.956 χ²/NDF:23.4/22
Left: -246.177+/-35.378 χ²/NDF: 55.3/47
Right: 24.476+/-31.830 χ²/NDF: 67.2/71
In: -80.708+/-33.630 χ²/NDF:66.9/56
Out: -112.188+/-33.301 χ²/NDF:87.5/62
All: -96.603+/-23.663 χ²/NDF: 154.8/119

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: 212.394+/-0.032 χ^2/NDF: 640941.8/37

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

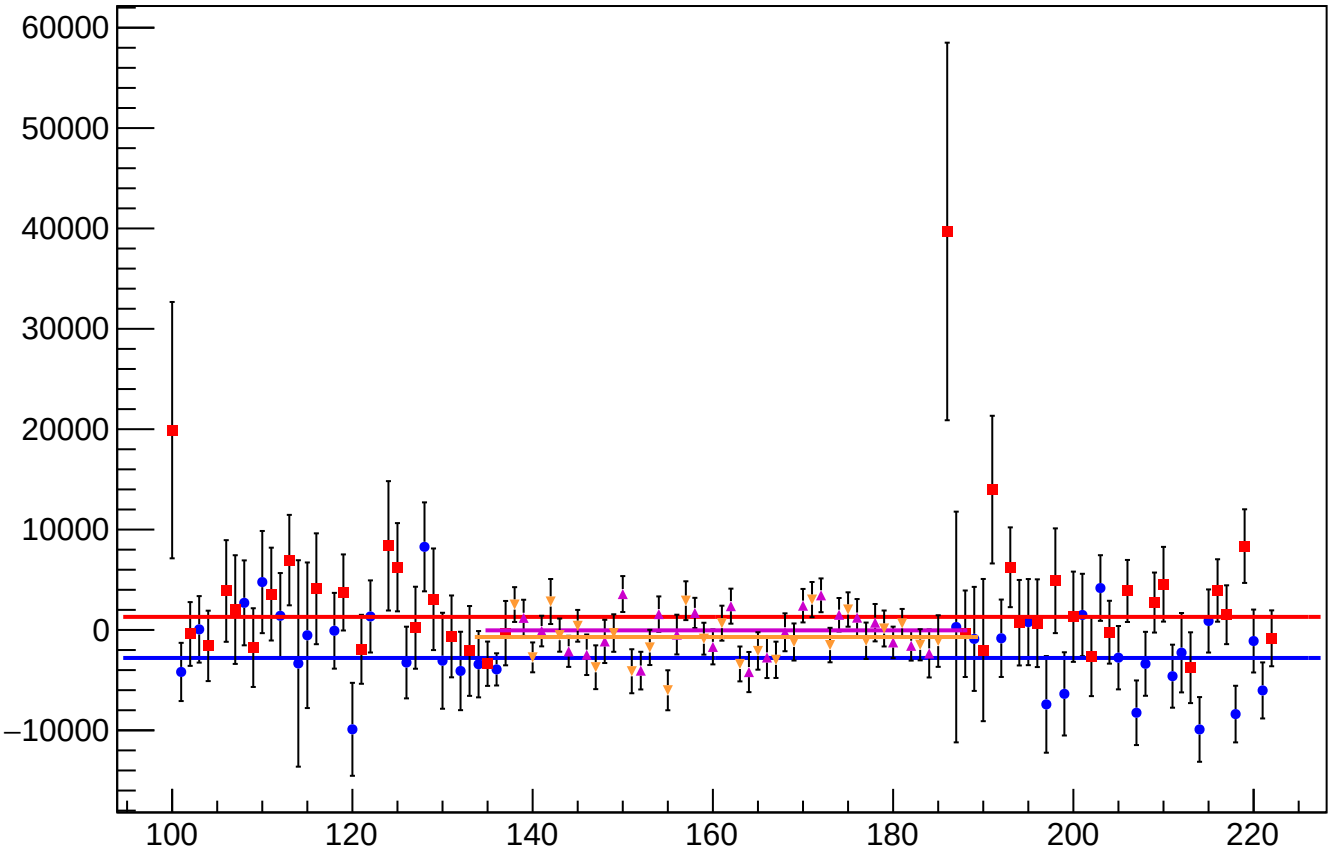
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

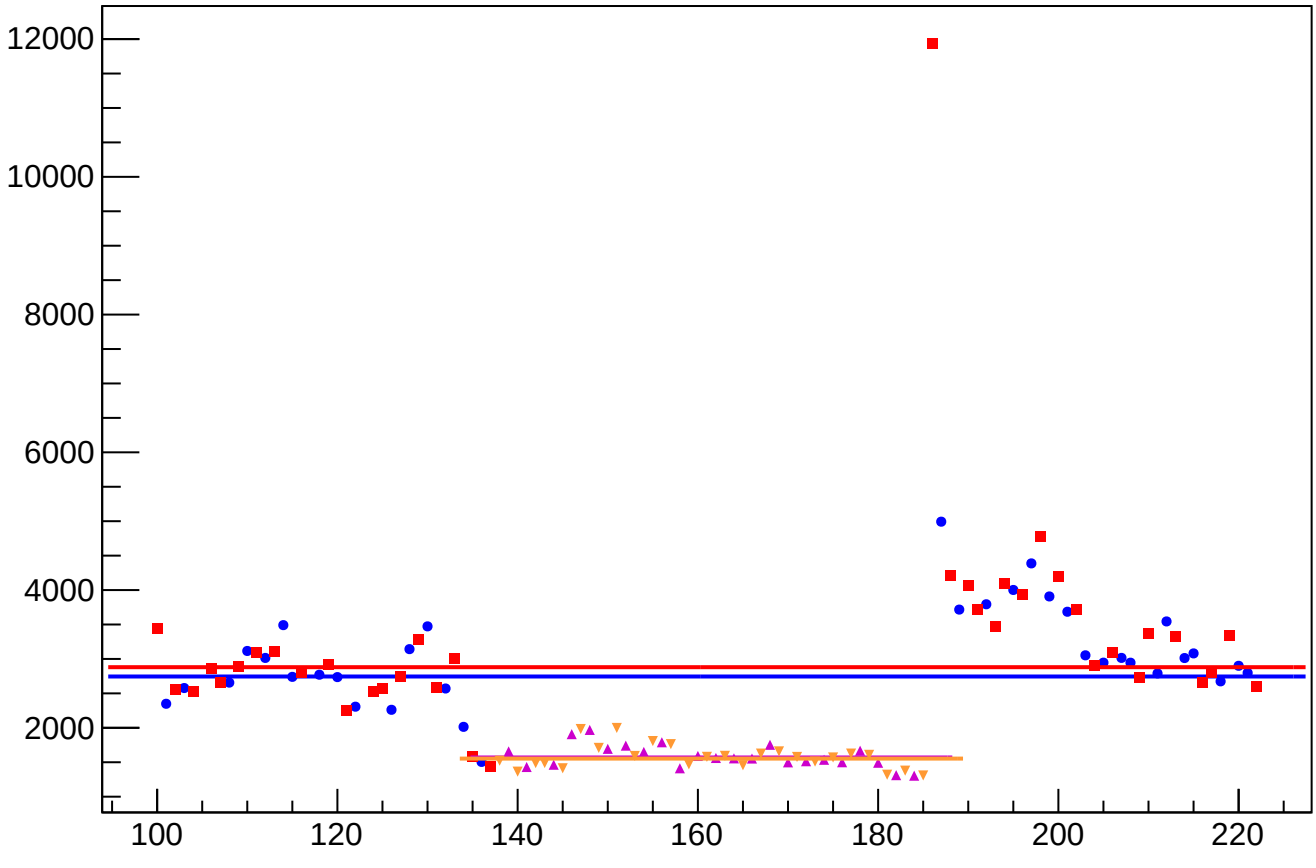
Right: 210.657+/-0.023 χ^2/NDF: 1137174.6/71

In: 212.703+/-0.024 χ^2/NDF:683601.7/56

Out: 213.960+/-0.024 χ^2/NDF:834855.5/62

All: 213.338+/-0.017 χ^2/NDF: 1519869.1/119


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: 1300.467+/-631.695 χ²/NDF: 35.1/37
Left In: -39.658+/-368.873 χ²/NDF:34.3/22
Left: -384.132+/-255.960 χ²/NDF: 73.6/47
Right: -835.120+/-436.768 χ²/NDF: 97.6/71
In: -786.114+/-314.888 χ²/NDF:90.0/56
Out: -221.948+/-309.784 χ²/NDF:80.4/62
All: -499.421+/-220.833 χ²/NDF: 172.0/119



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: 2880.330+/-0.447 χ^2/NDF: 2998893.3/37

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

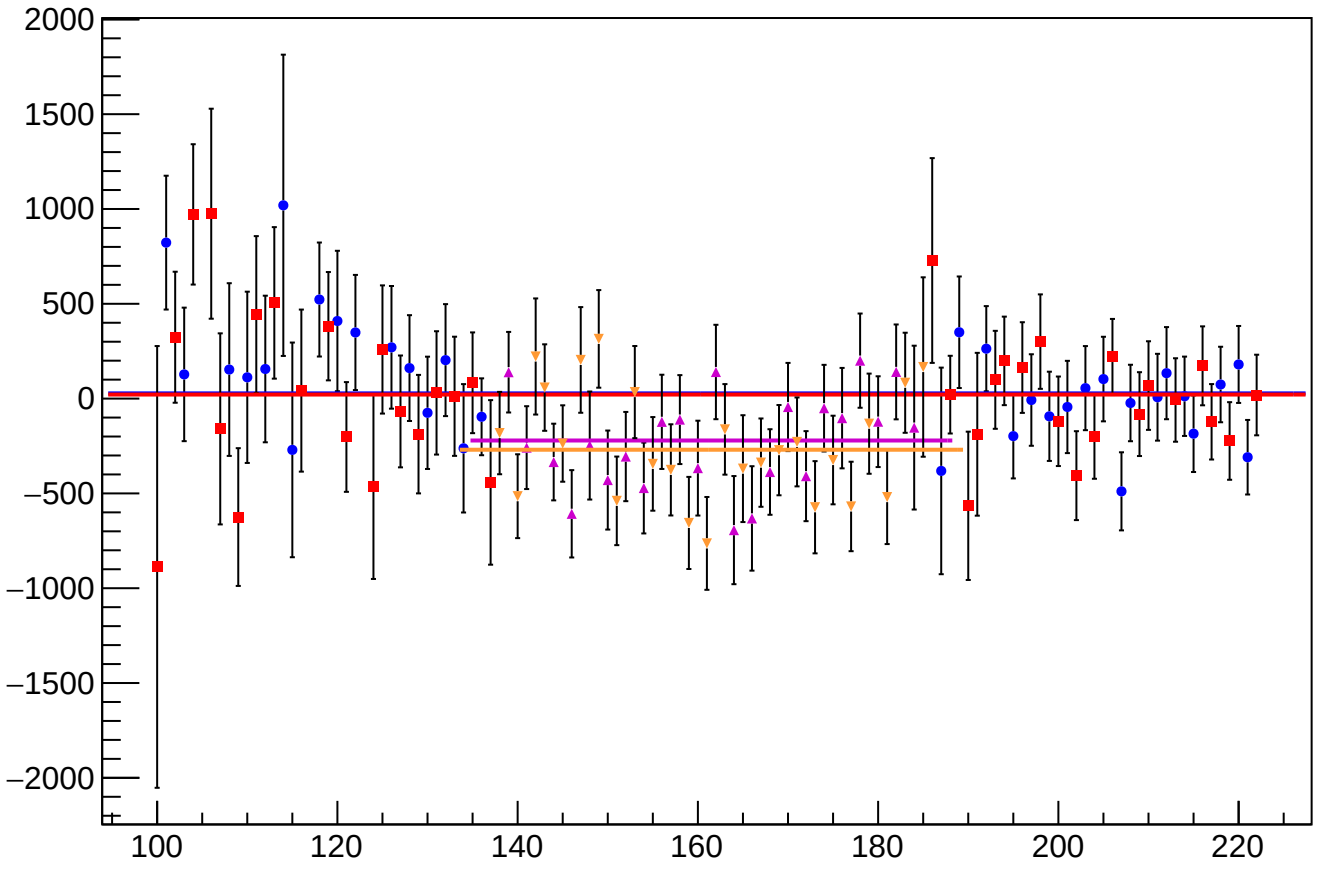
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2809.706+/-0.309 χ^2/NDF: 5680728.2/71

In: 1888.315+/-0.223 χ^2/NDF:8502615.1/56

Out: 1872.229+/-0.219 χ^2/NDF:10115274.1/62

All: 1880.141+/-0.156 χ^2/NDF: 18620541.6/1



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: 21.378+/-45.271 χ^2/NDF: 37.1/37

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

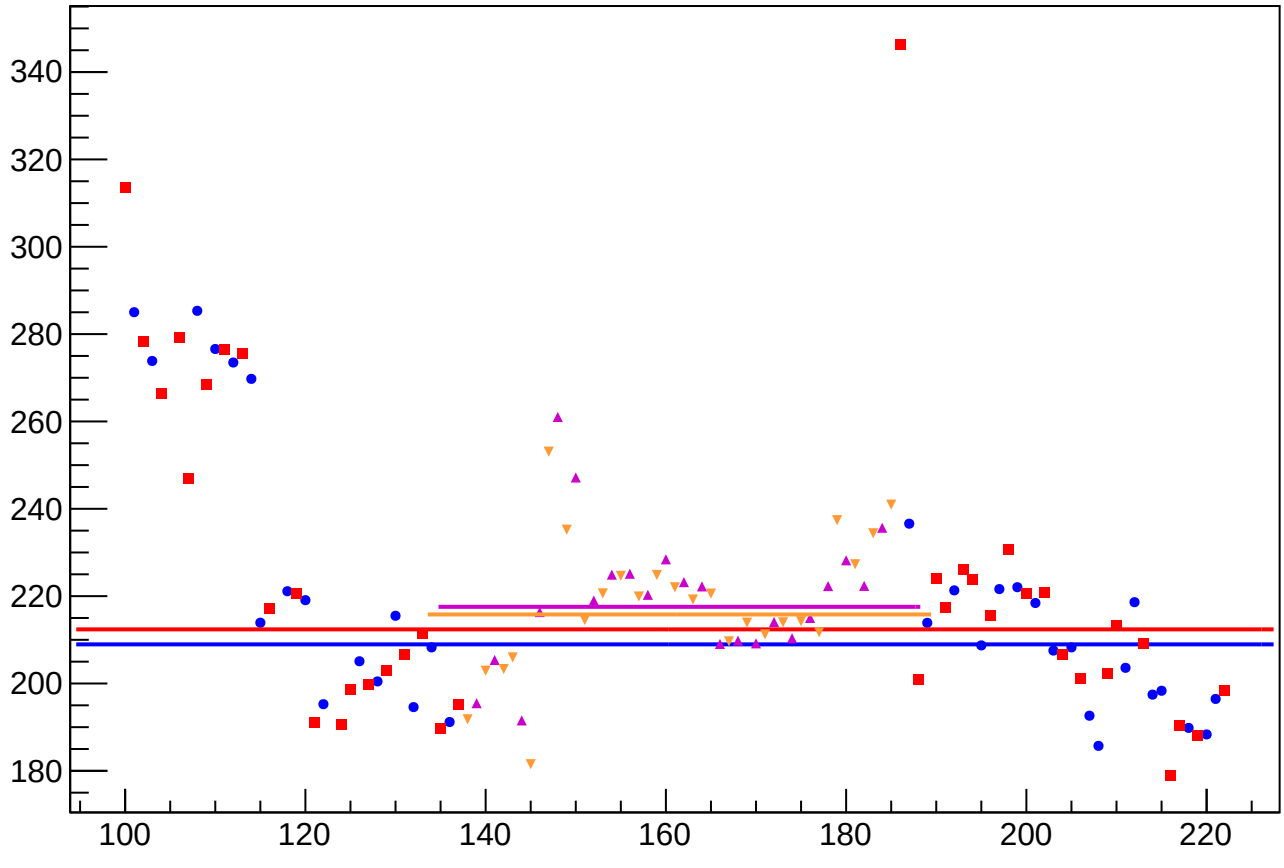
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

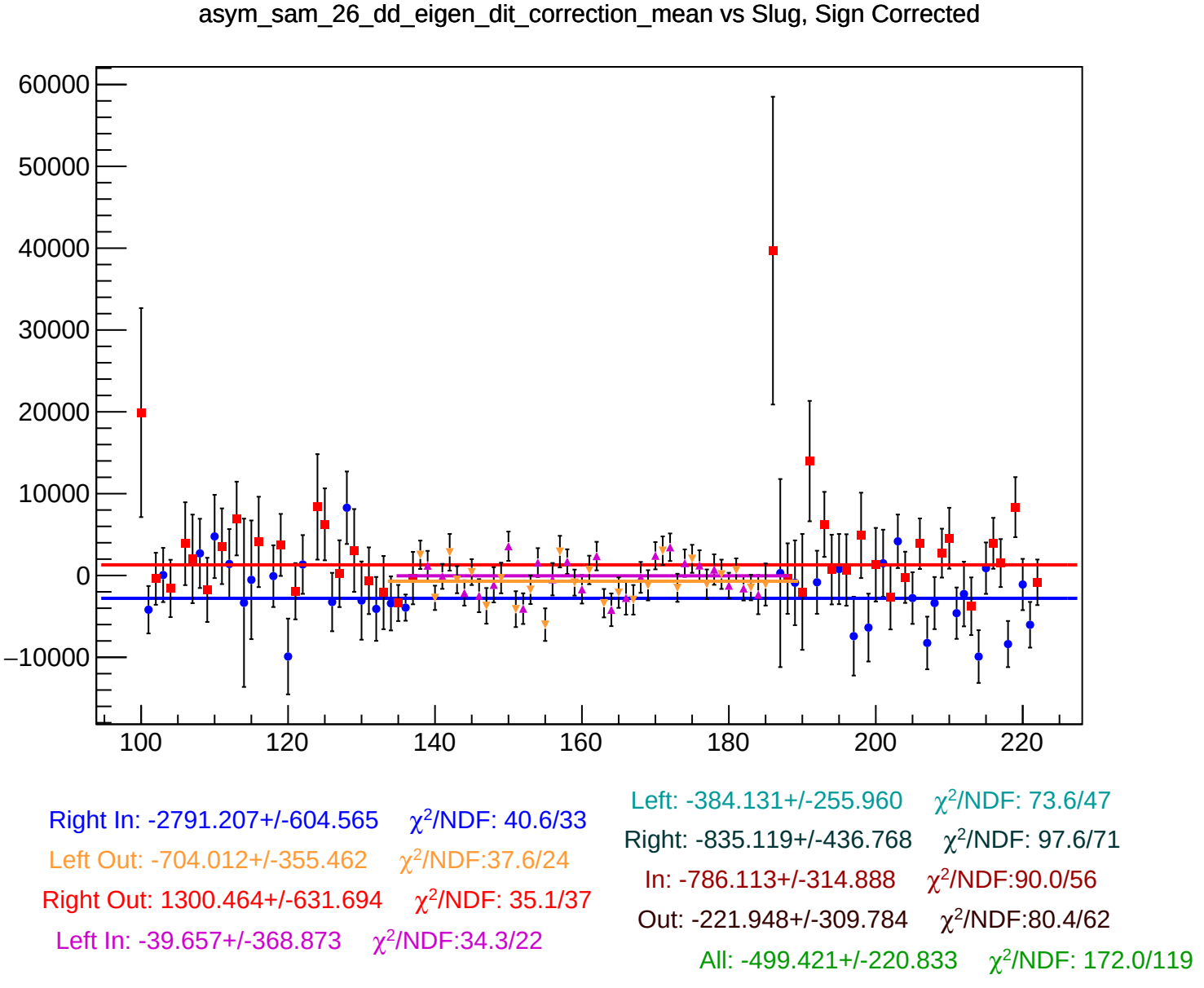
Right: 24.478+/-31.830 χ^2/NDF: 67.2/71

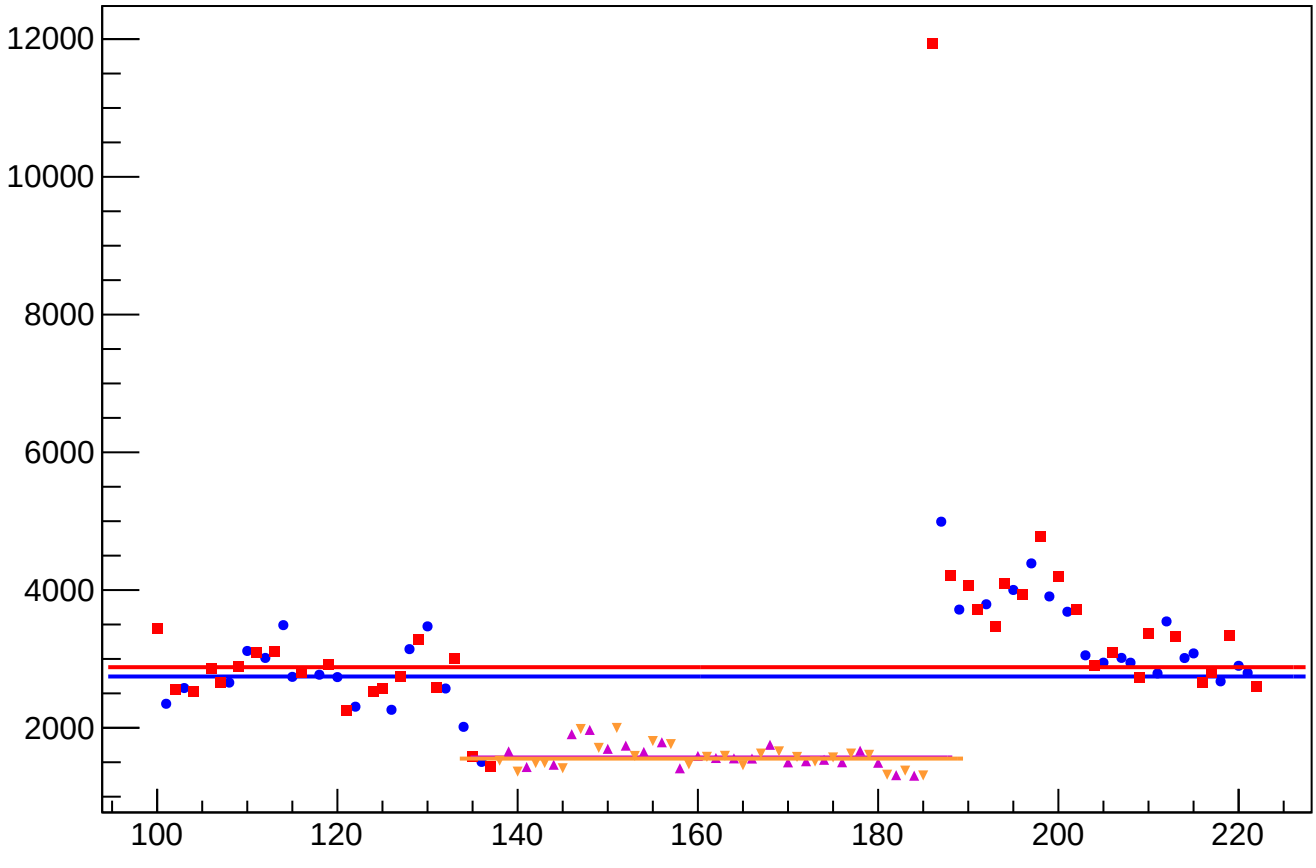
In: -80.705+/-33.630 χ^2/NDF:66.9/56

Out: -112.190+/-33.301 χ^2/NDF:87.5/62

All: -96.603+/-23.663 χ^2/NDF: 154.8/119


eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected
340
320
300
280
260
240
220
200
180
100
120
140
160
180
200
220
Right In: 208.958+/-0.032 χ²/NDF: 490397.7/33
Left Out: 215.806+/-0.035 χ²/NDF:188703.4/24
Right Out: 212.394+/-0.032 χ²/NDF: 640919.8/37
Left In: 217.555+/-0.036 χ²/NDF:161069.0/22
Left: 216.649+/-0.025 χ²/NDF: 350991.6/47
Right: 210.657+/-0.023 χ²/NDF: 1137143.8/71
In: 212.702+/-0.024 χ²/NDF:683596.5/56
Out: 213.960+/-0.024 χ²/NDF:834838.0/62
All: 213.337+/-0.017 χ²/NDF: 1519846.7/119


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2791.207+/-604.565 χ²/NDF: 40.6/33
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1300.464+/-631.694 χ²/NDF: 35.1/37
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -835.119+/-436.768 χ²/NDF: 97.6/71
In: -786.113+/-314.888 χ²/NDF:90.0/56
Out: -221.948+/-309.784 χ²/NDF:80.4/62
All: -499.421+/-220.833 χ²/NDF: 172.0/119



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: 2880.328+/-0.447 χ^2/NDF: 2998895.1/37

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

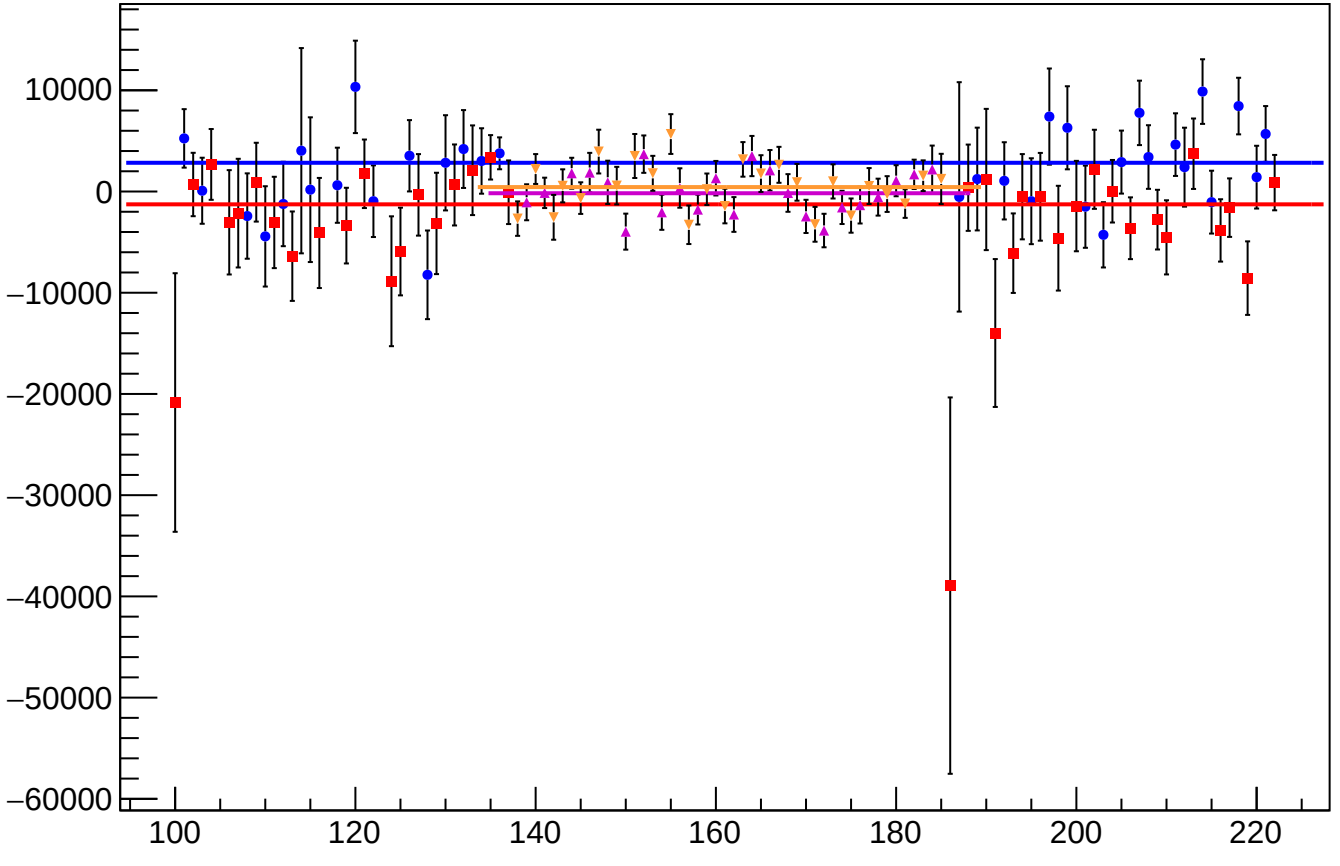
Right: 2809.704+/-0.309 χ^2/NDF: 5680729.2/71

In: 1888.315+/-0.223 χ^2/NDF:8502603.1/56

Out: 1872.229+/-0.219 χ^2/NDF:10115260.8/62

All: 1880.141+/-0.156 χ^2/NDF: 18620516.2/1

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: -1266.941+/-624.254 χ^2/NDF: 35.0/37

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

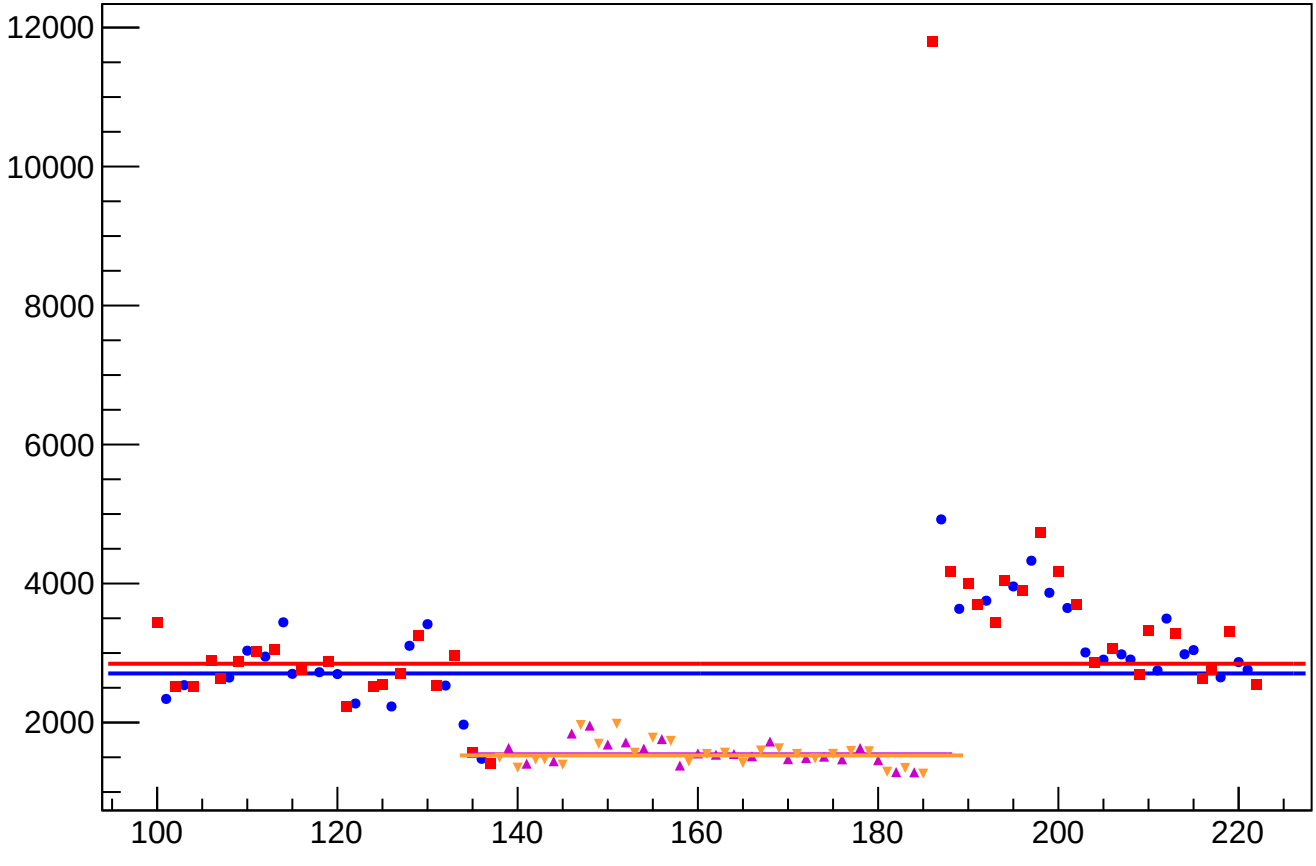
Right: 879.826+/-431.198 χ^2/NDF: 98.3/71

In: 642.133+/-309.788 χ^2/NDF:92.3/56

Out: 30.612+/-305.012 χ^2/NDF:79.5/62

All: 331.622+/-217.345 χ^2/NDF: 173.8/119

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: 2845.852+/-0.441 χ^2/NDF: 3009341.1/37

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

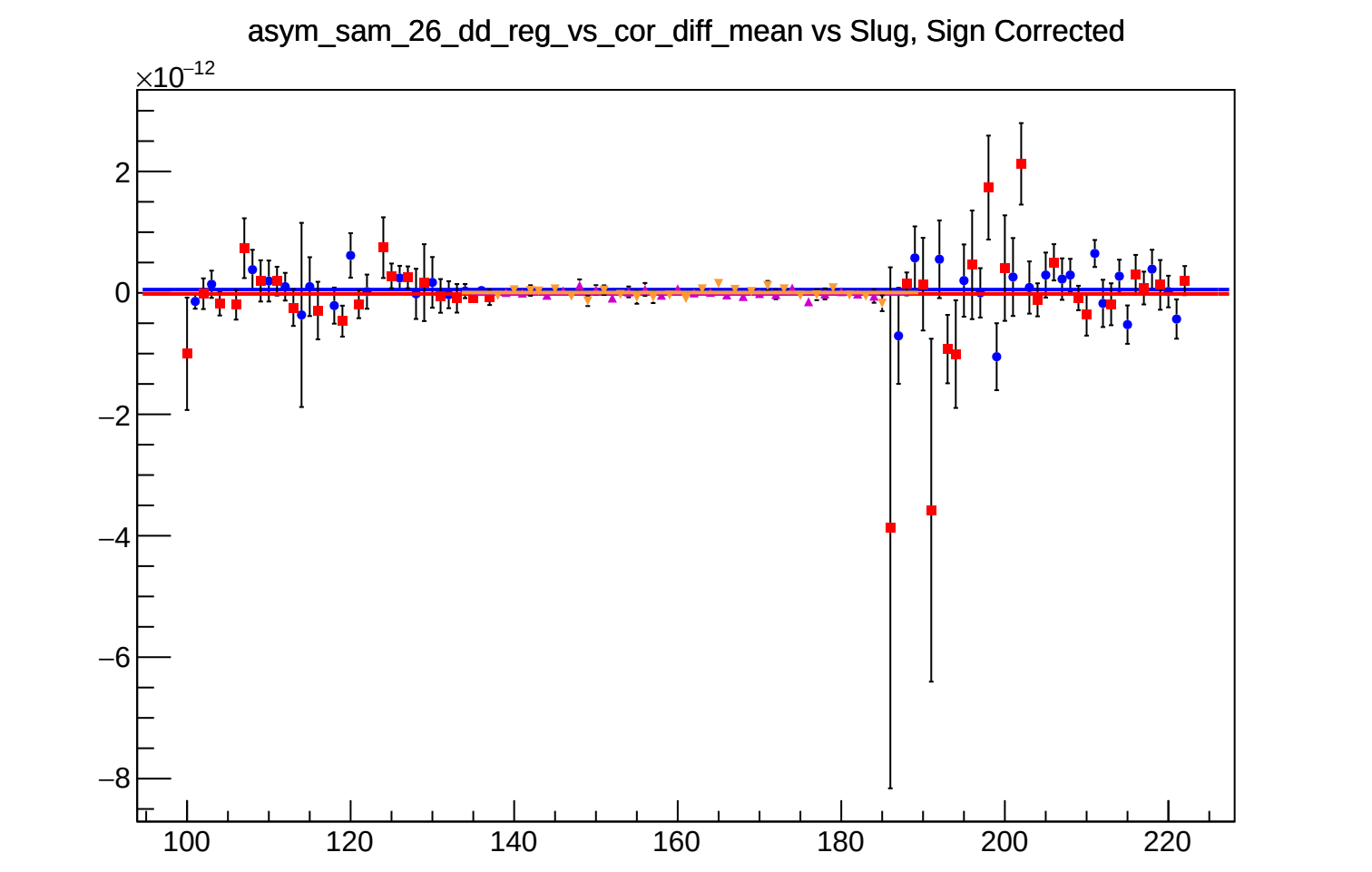
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2772.876+/-0.305 χ^2/NDF: 5722752.3/71

In: 1856.411+/-0.219 χ^2/NDF:8587466.9/56

Out: 1841.644+/-0.216 χ^2/NDF:10237383.2/62

All: 1848.912+/-0.154 χ^2/NDF: 18827157.6/1



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: 47.2/37

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

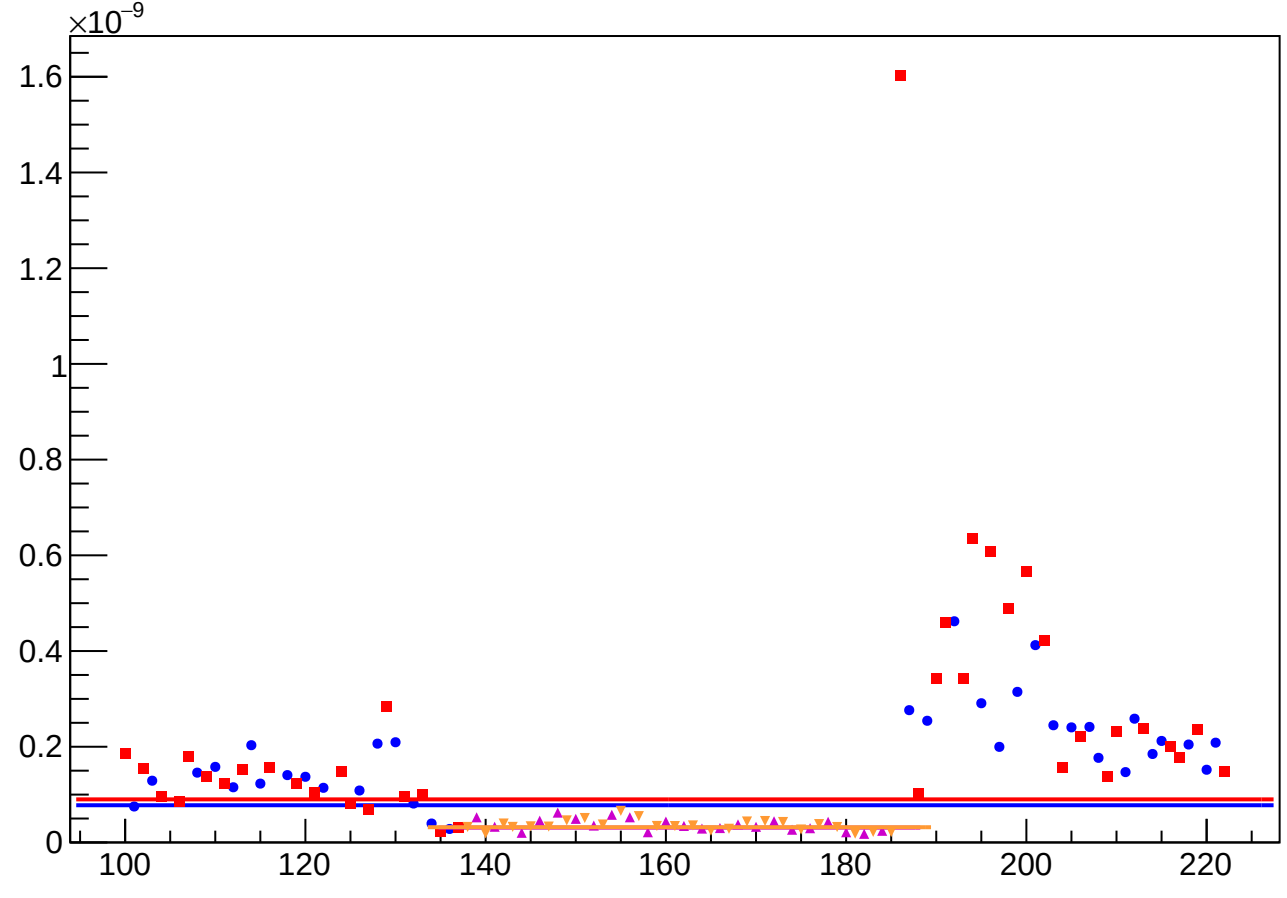
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 80.8/71

In: -0.000+/-0.000 χ^2/NDF:51.9/56

Out: 0.000+/-0.000 χ^2/NDF:78.3/62

All: 0.000+/-0.000 χ^2/NDF: 130.3/119



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: 9247726.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

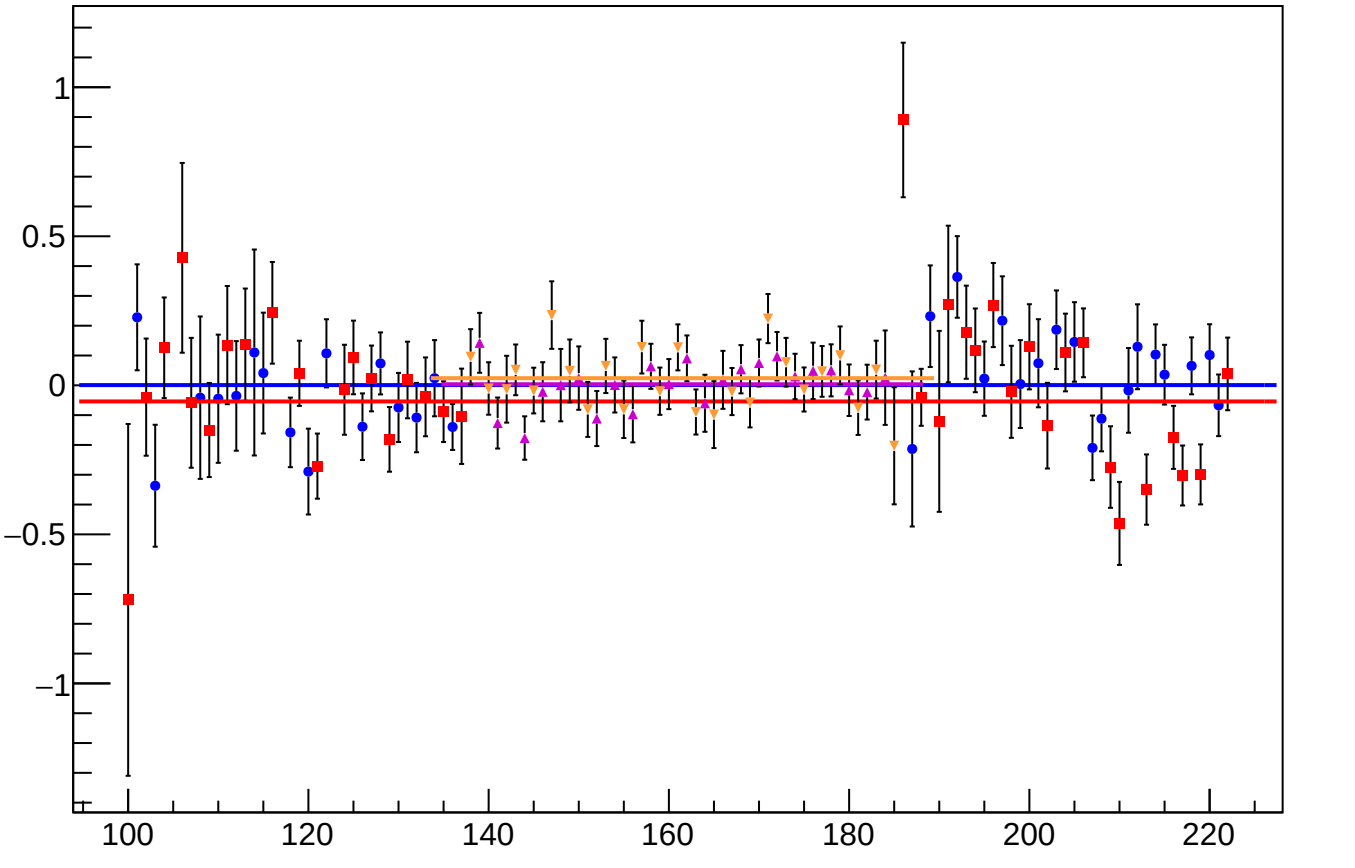
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18814492.0/71

In: 0.000+/-0.000 χ^2/NDF:14481470.2/56

Out: 0.000+/-0.000 χ^2/NDF:14693466.6/62

All: 0.000+/-0.000 χ^2/NDF: 29175680.0/119



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: -0.054+/-0.022 χ^2/NDF: 80.4/37

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

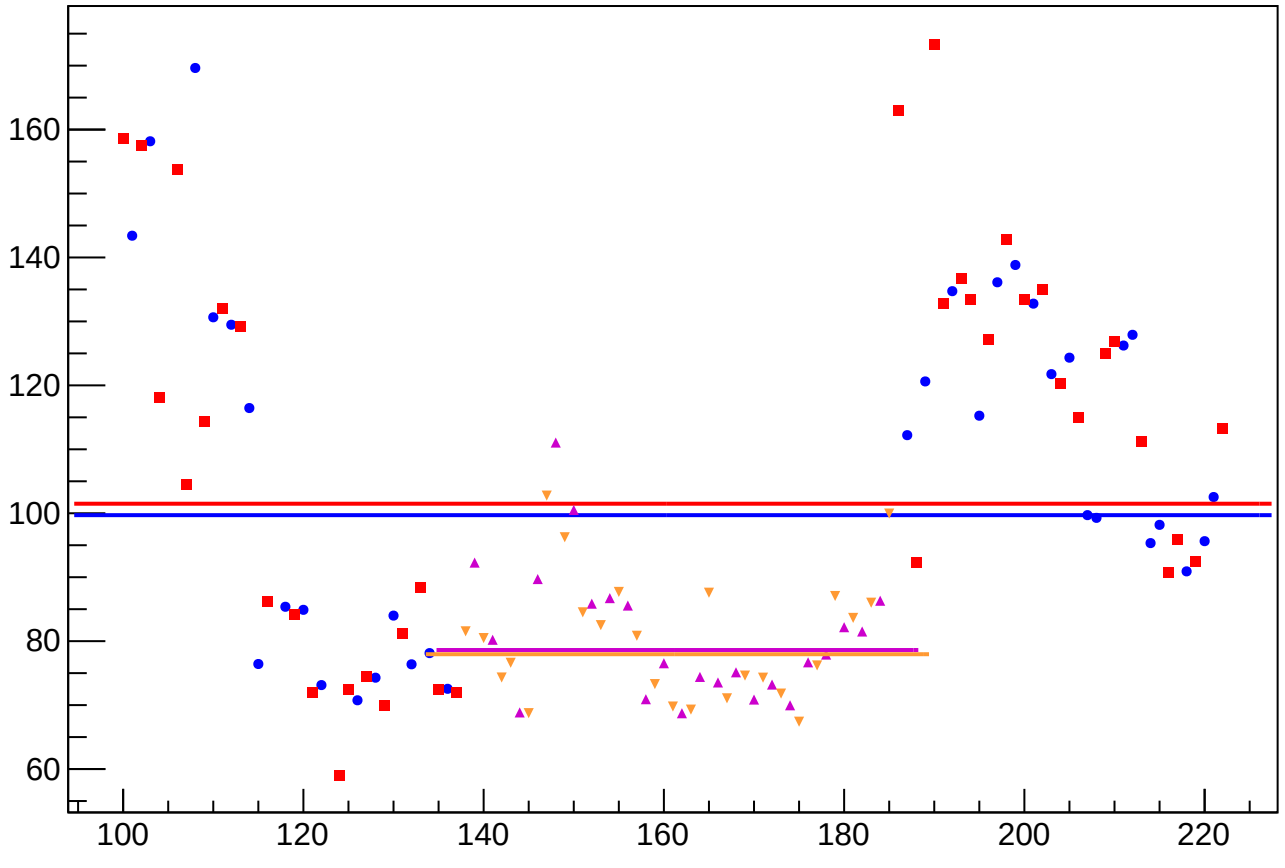
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 125.3/71

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.4/62

All: -0.002+/-0.010 χ^2/NDF: 174.3/119



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: 101.492+/-0.016 χ^2/NDF: 2592628.7/37

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

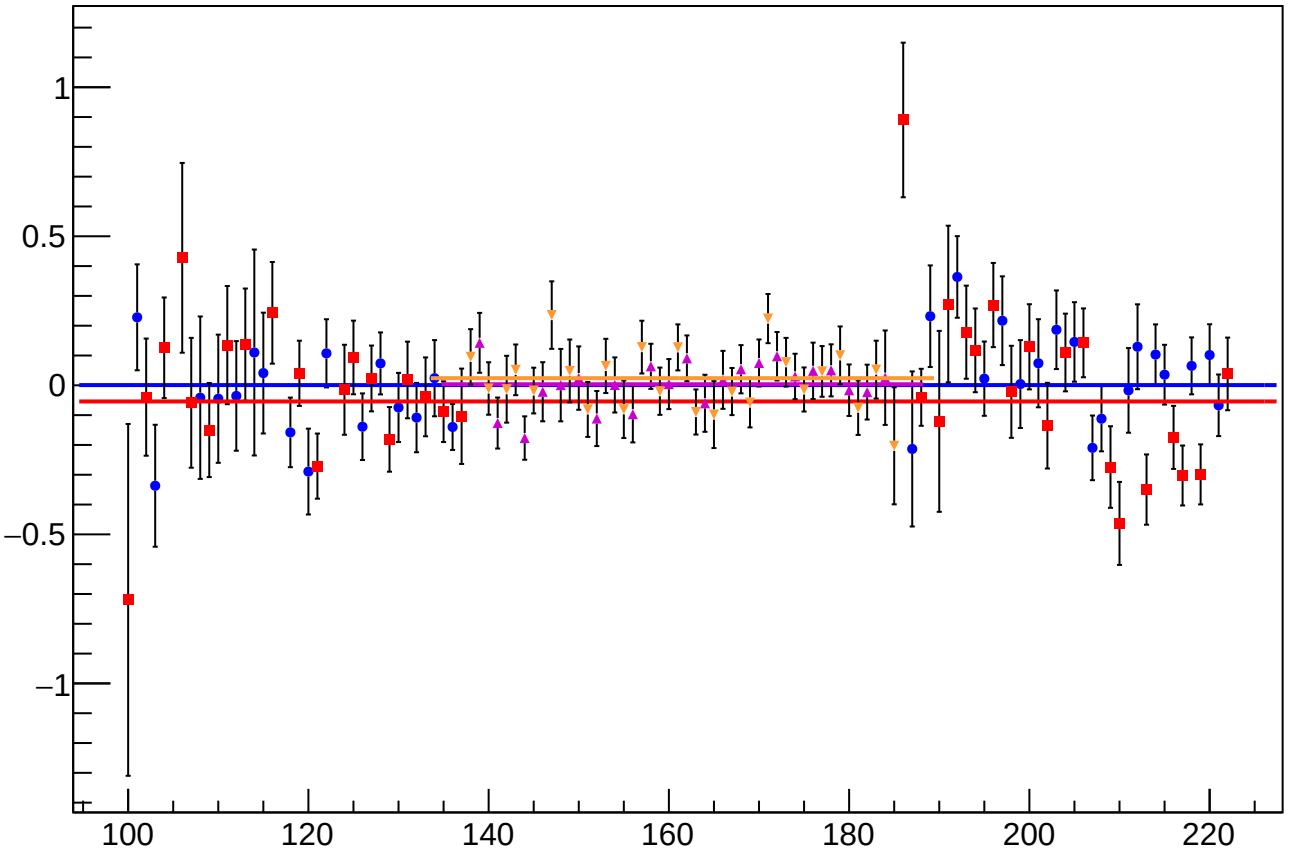
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.584+/-0.011 χ^2/NDF: 4831243.4/71

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 87.167+/-0.010 χ^2/NDF:4391911.7/62

All: 87.292+/-0.007 χ^2/NDF: 8199885.8/119



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: -0.054+/-0.022 χ^2/NDF: 80.4/37

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

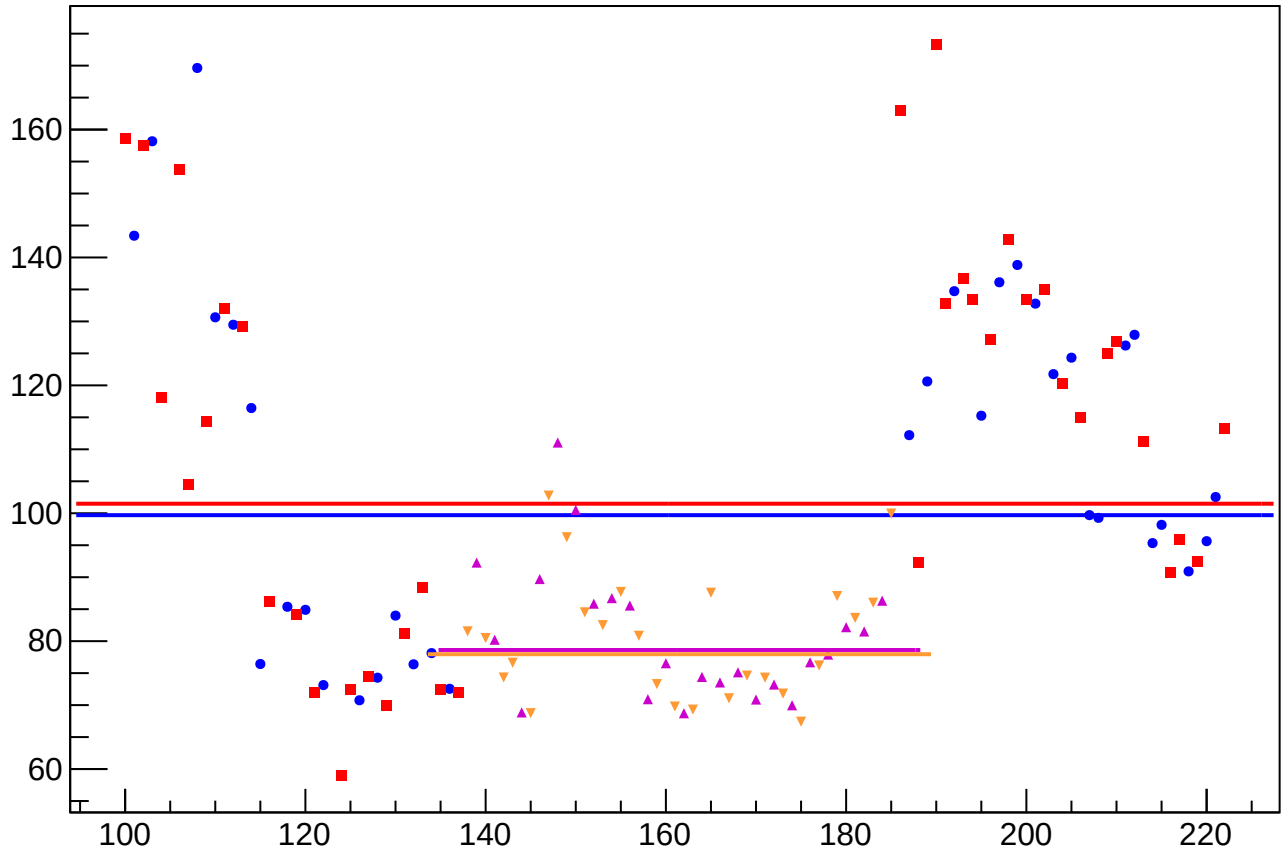
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 125.3/71

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.4/62

All: -0.002+/-0.010 χ^2/NDF: 174.3/119



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: 101.492+/-0.016 χ^2/NDF: 2592628.7/37

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

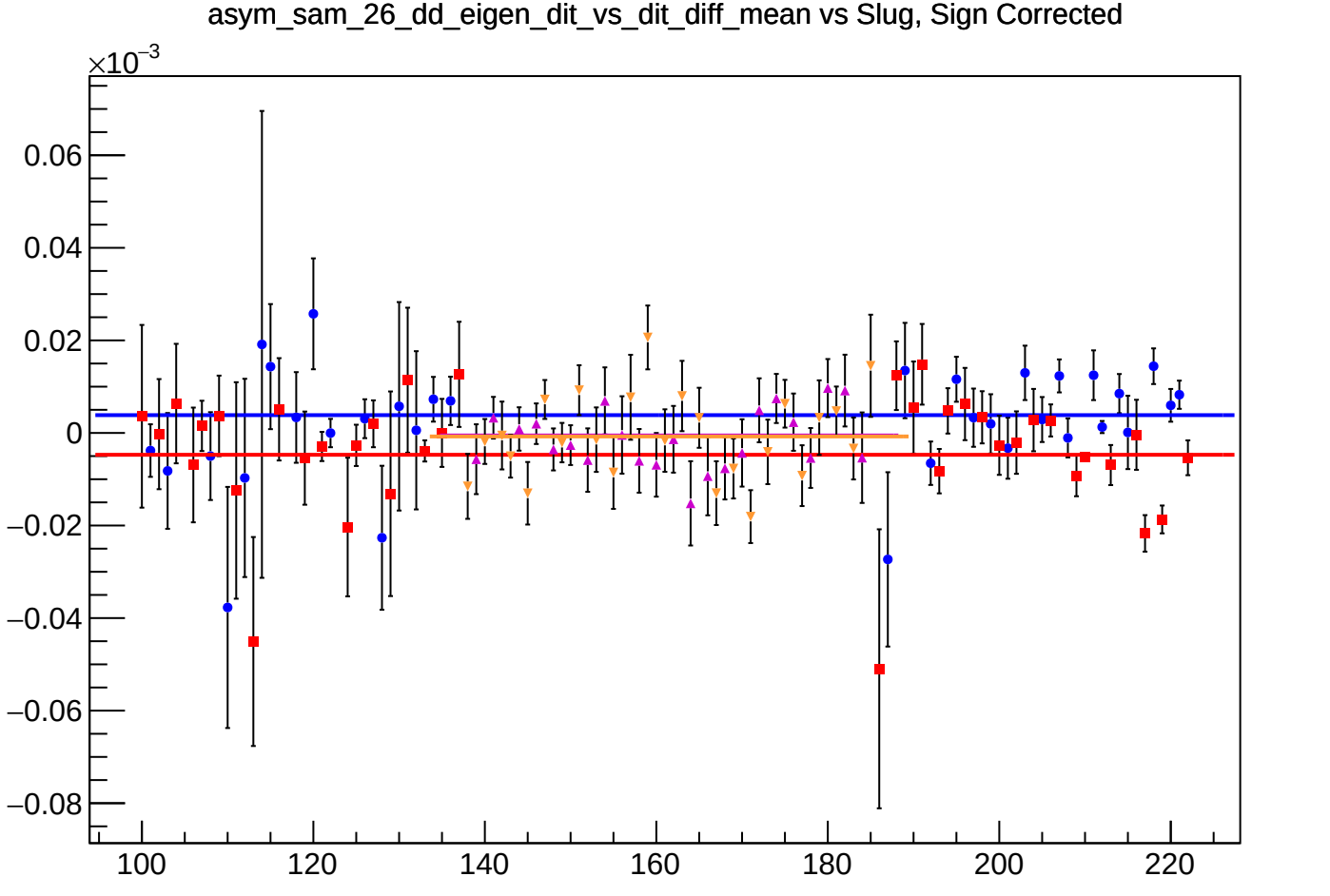
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

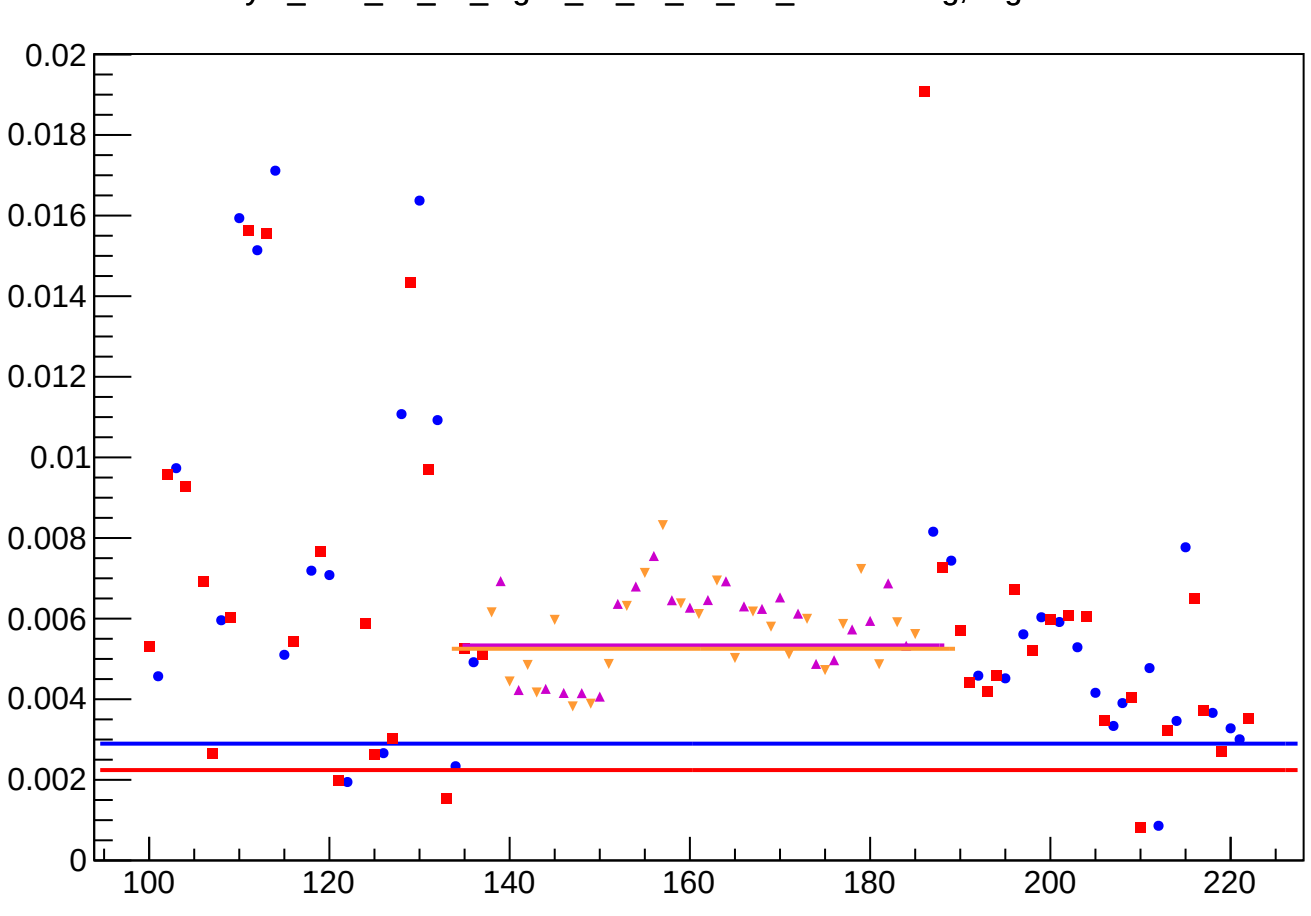
Right: 100.584+/-0.011 χ^2/NDF: 4831243.4/71

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 87.167+/-0.010 χ^2/NDF:4391911.7/62

All: 87.292+/-0.007 χ^2/NDF: 8199885.8/119


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: 85.1/37
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 66.2/47
Right: -0.000+/-0.000 χ²/NDF: 212.4/71
In: 0.000+/-0.000 χ²/NDF:82.9/56
Out: -0.000+/-0.000 χ²/NDF:140.8/62
All: -0.000+/-0.000 χ²/NDF: 278.9/119



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: 18701462.1/37

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

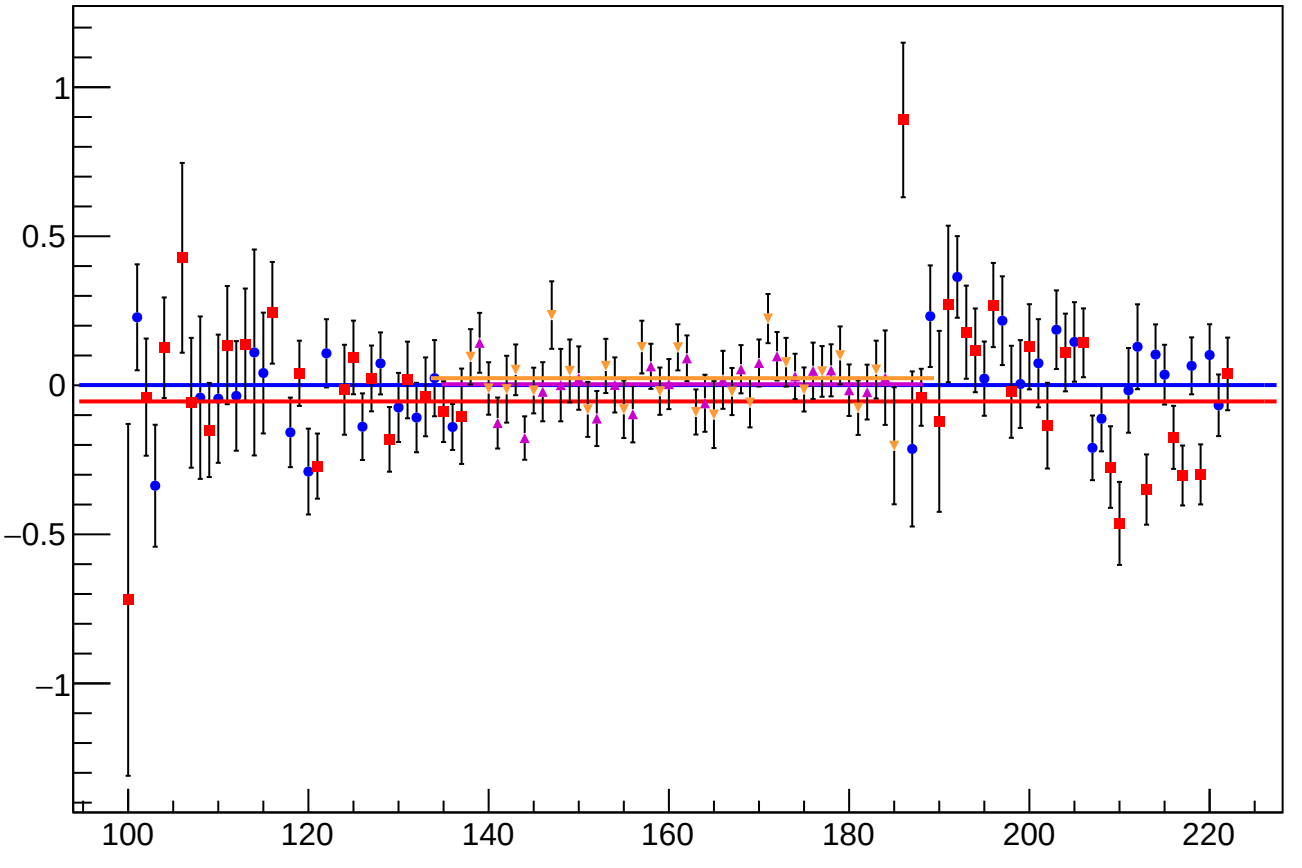
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.003+/-0.000 χ^2/NDF: 33635825.5/71

In: 0.004+/-0.000 χ^2/NDF:20889270.6/56

Out: 0.003+/-0.000 χ^2/NDF:29666911.2/62

All: 0.003+/-0.000 χ^2/NDF: 51674322.3/119



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: -0.054+/-0.022 χ^2/NDF: 80.4/37

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

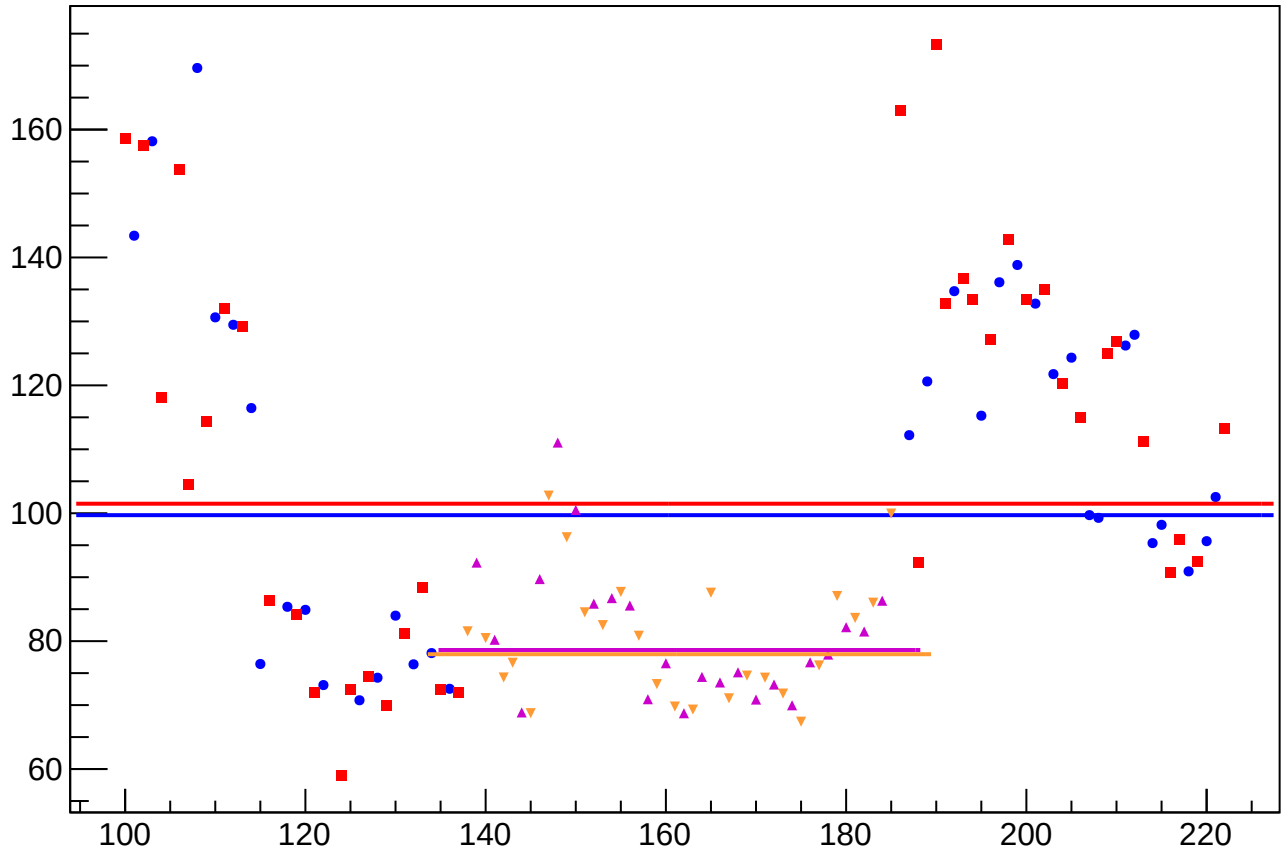
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 125.3/71

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.4/62

All: -0.002+/-0.010 χ^2/NDF: 174.3/119



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: 101.491+/-0.016 χ^2/NDF: 2592743.0/37

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

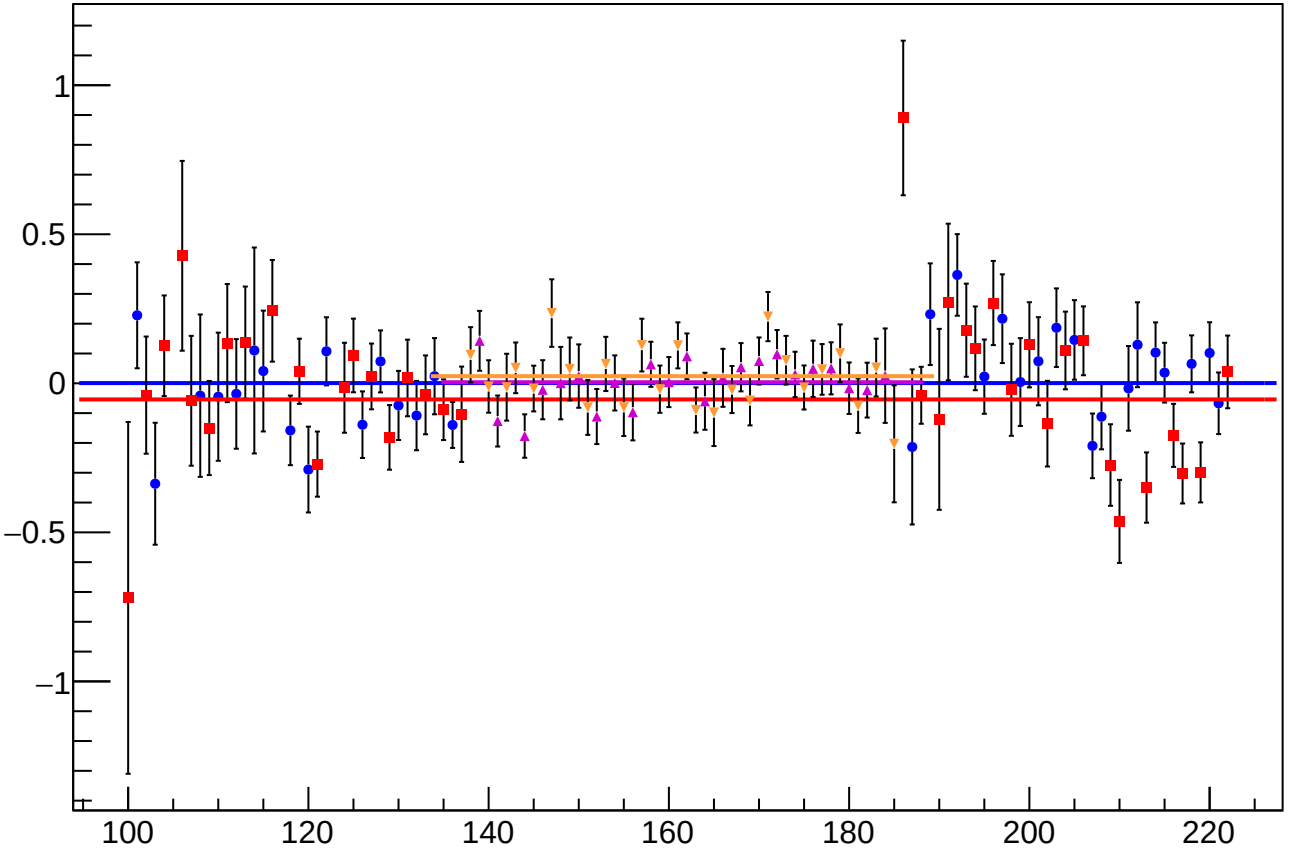
Right: 100.582+/-0.011 χ^2/NDF: 4831494.7/71

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 87.166+/-0.010 χ^2/NDF:4391977.0/62

All: 87.291+/-0.007 χ^2/NDF: 8200052.5/119

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: -0.054+/-0.022 χ^2/NDF: 80.4/37

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

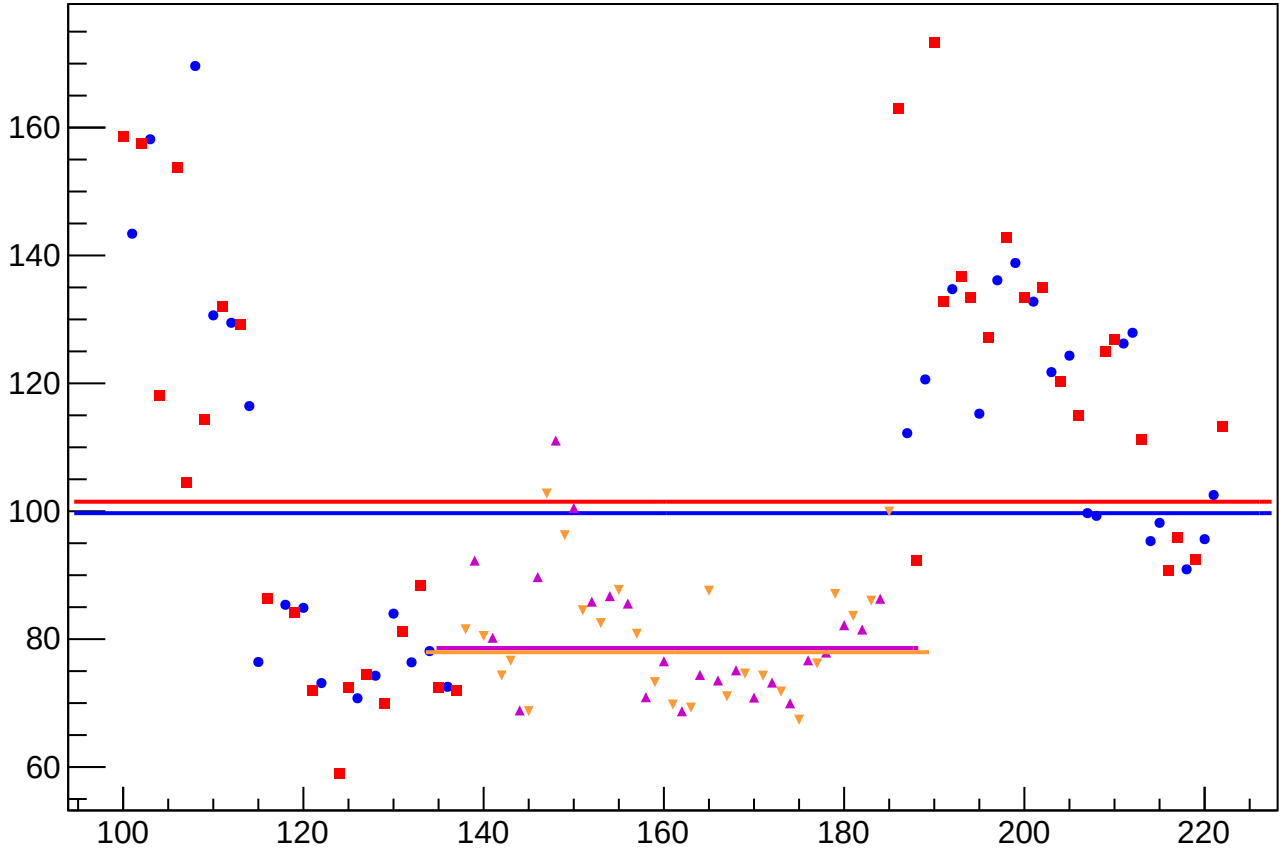
Right: -0.026+/-0.016 χ^2/NDF: 125.3/71

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.4/62

All: -0.002+/-0.010 χ^2/NDF: 174.3/119

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: 101.491+/-0.016 χ^2/NDF: 2592743.0/37

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

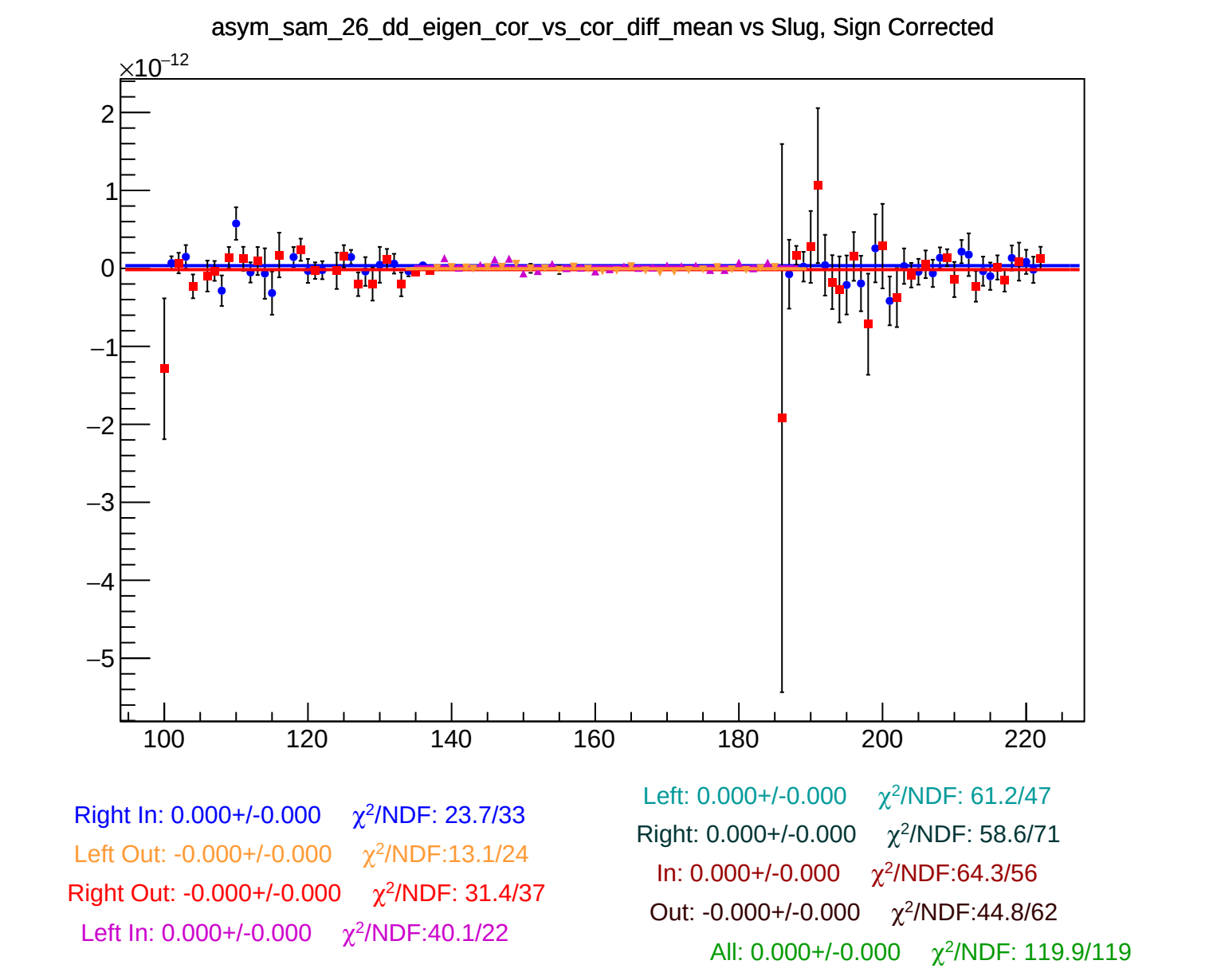
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

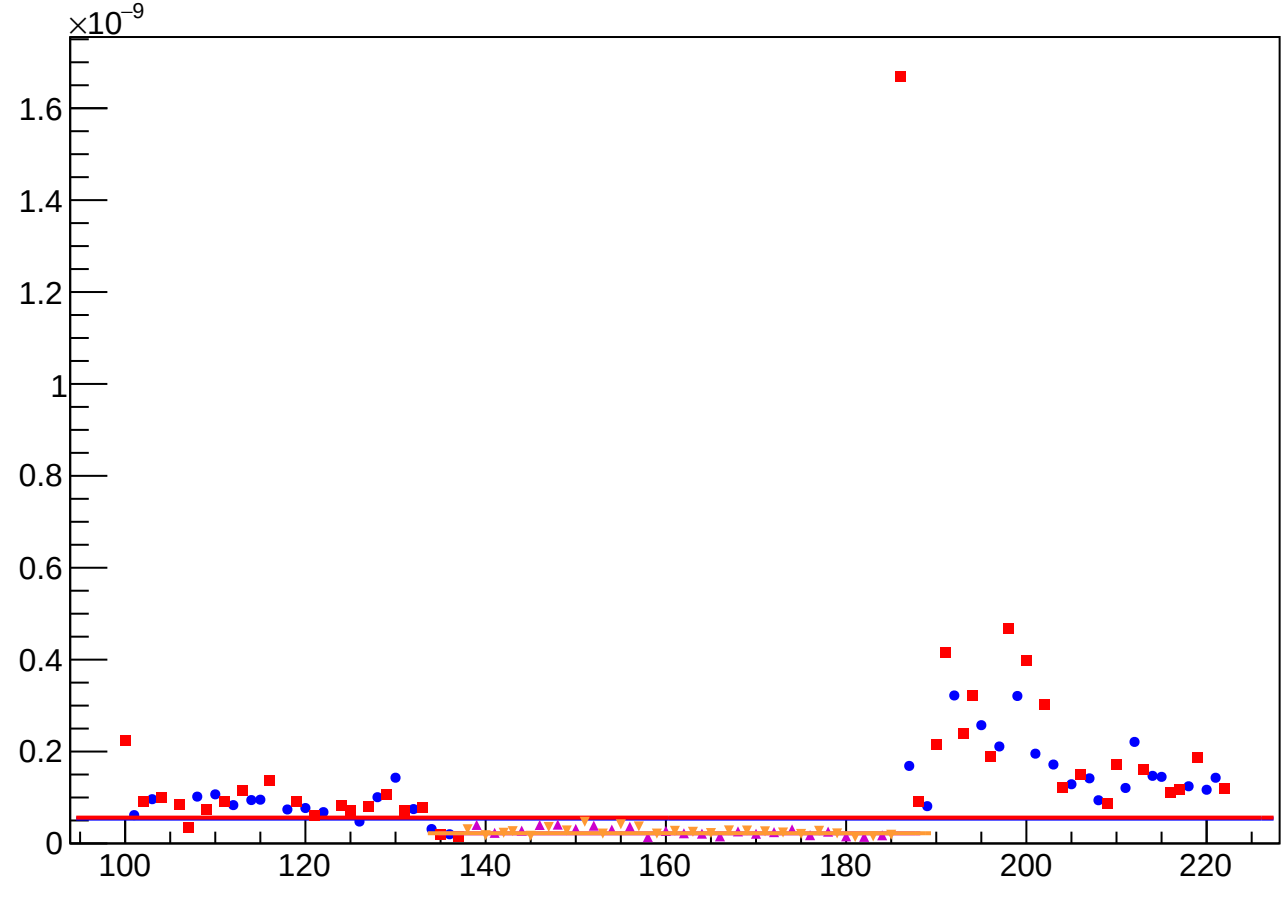
Right: 100.582+/-0.011 χ^2/NDF: 4831494.7/71

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 87.166+/-0.010 χ^2/NDF:4391977.0/62

All: 87.291+/-0.007 χ^2/NDF: 8200052.5/119


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 23.7/33
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/37
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: 58.6/71
In: 0.000+/-0.000 χ²/NDF:64.3/56
Out: -0.000+/-0.000 χ²/NDF:44.8/62
All: 0.000+/-0.000 χ²/NDF: 119.9/119



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: 14356366.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

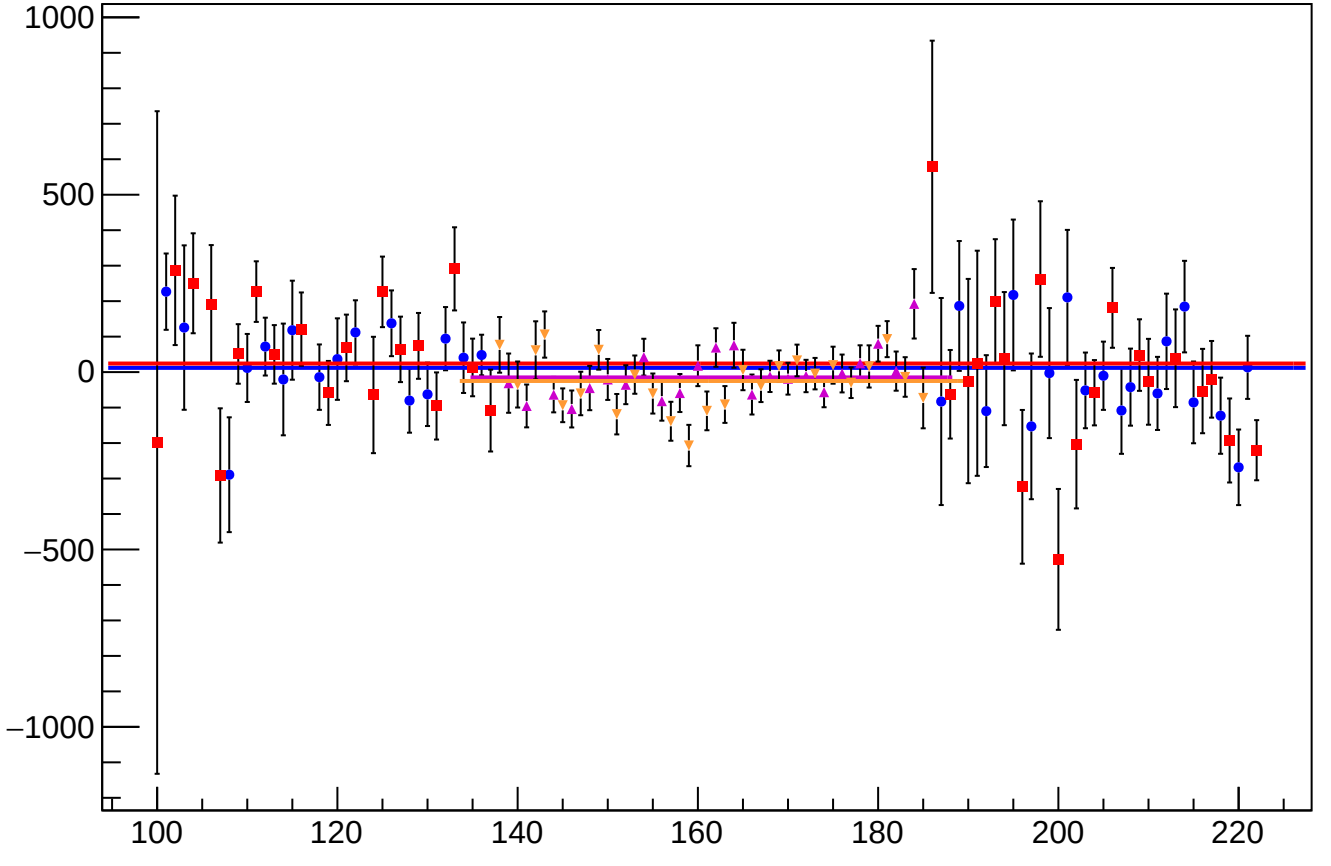
Right: 0.000+/-0.000 χ^2/NDF: 27371180.2/71

In: 0.000+/-0.000 χ^2/NDF:20952304.8/56

Out: 0.000+/-0.000 χ^2/NDF:21932710.1/62

All: 0.000+/-0.000 χ^2/NDF: 42885305.0/119

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: 24.174+/-19.199 χ^2/NDF: 61.0/37

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

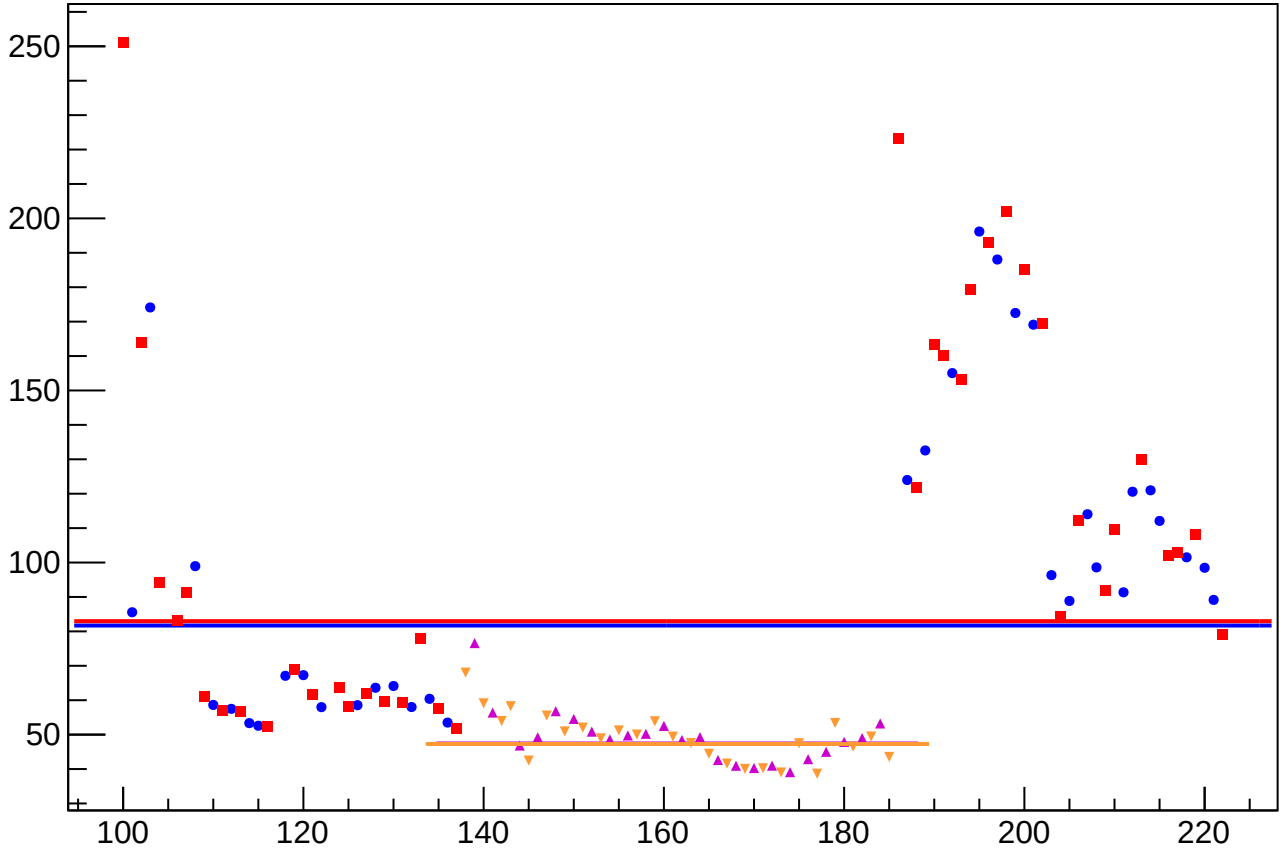
Right: 17.949+/-13.437 χ^2/NDF: 94.1/71

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -13.024+/-9.471 χ^2/NDF:109.1/62

All: -10.516+/-6.754 χ^2/NDF: 168.3/119

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: 82.968+/-0.014 χ^2/NDF: 6488113.9/37

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

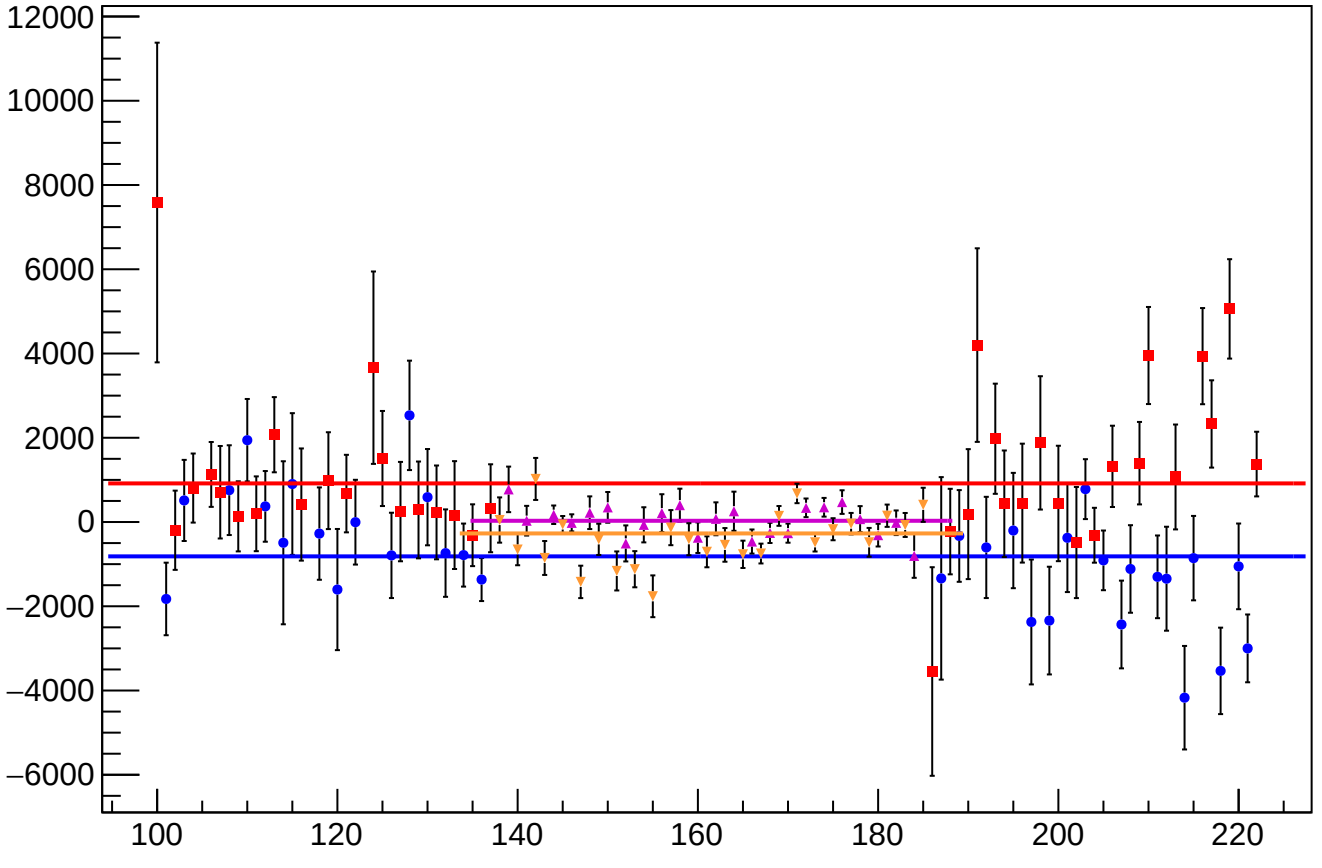
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 82.321+/-0.010 χ^2/NDF: 12038689.3/71

In: 56.415+/-0.007 χ^2/NDF:11099045.2/56

Out: 55.967+/-0.007 χ^2/NDF:12433636.5/62

All: 56.188+/-0.005 χ^2/NDF: 23534882.5/119



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: 916.530+/-173.371 χ^2/NDF: 56.1/37

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

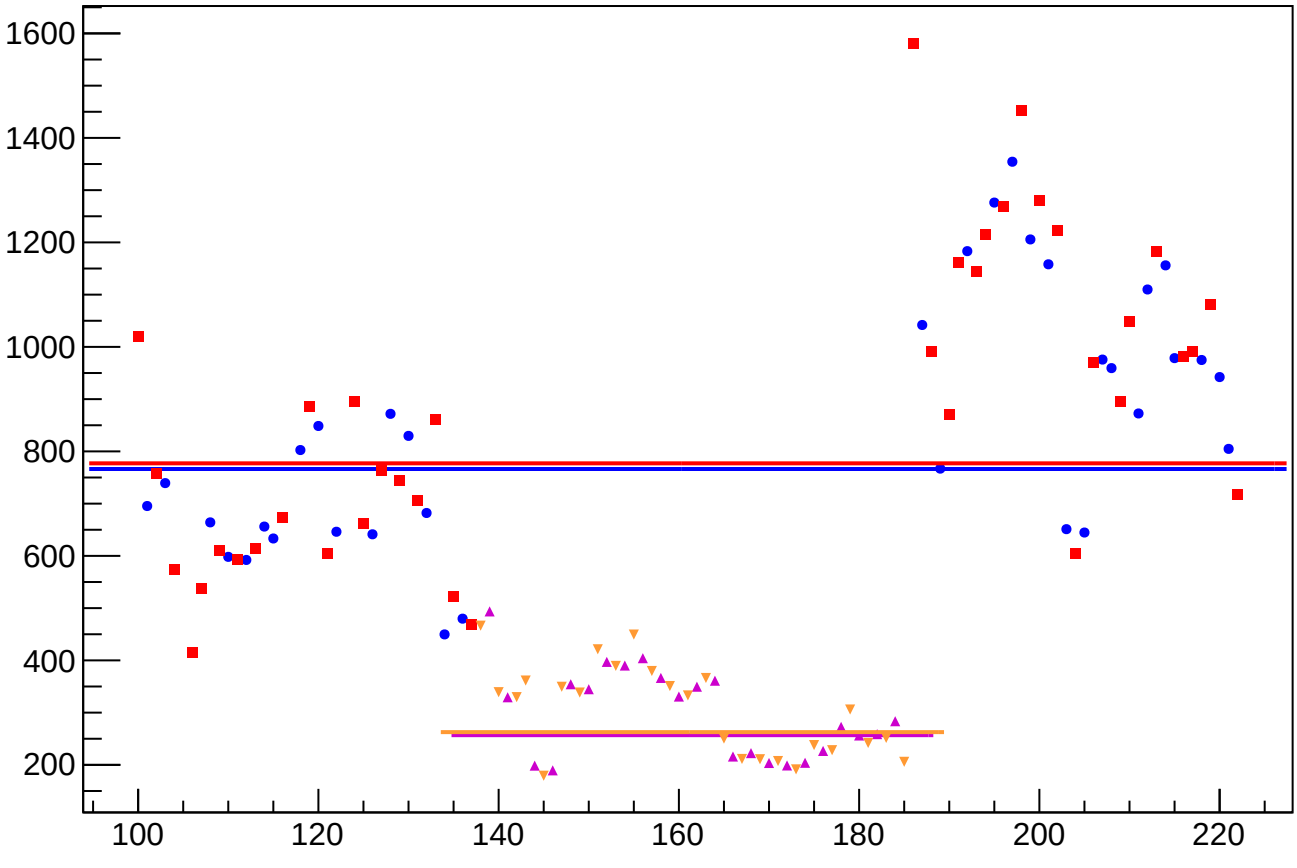
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 39.491+/-121.808 χ^2/NDF: 166.6/71

In: -70.640+/-58.850 χ^2/NDF:105.9/56

Out: -135.043+/-58.668 χ^2/NDF:171.5/62

All: -102.942+/-41.549 χ^2/NDF: 278.0/119



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: 777.126+/-0.123 χ^2/NDF: 4197855.5/37

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

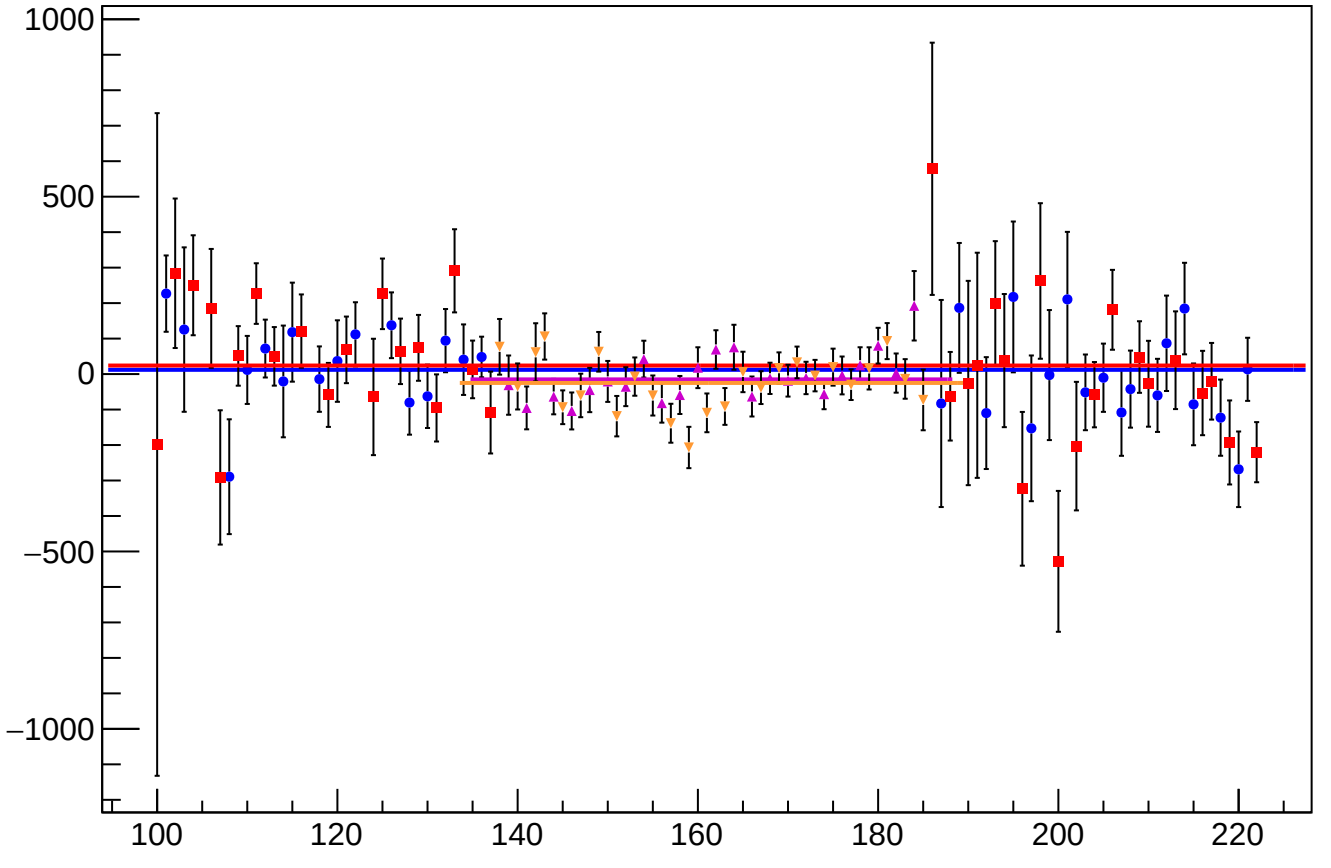
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 771.646+/-0.086 χ^2/NDF: 7646052.5/71

In: 317.060+/-0.042 χ^2/NDF:21705444.5/56

Out: 321.588+/-0.041 χ^2/NDF:22684496.5/62

All: 319.331+/-0.029 χ^2/NDF: 44395880.7/11



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: 24.060+/-19.199 χ^2/NDF: 60.9/37

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

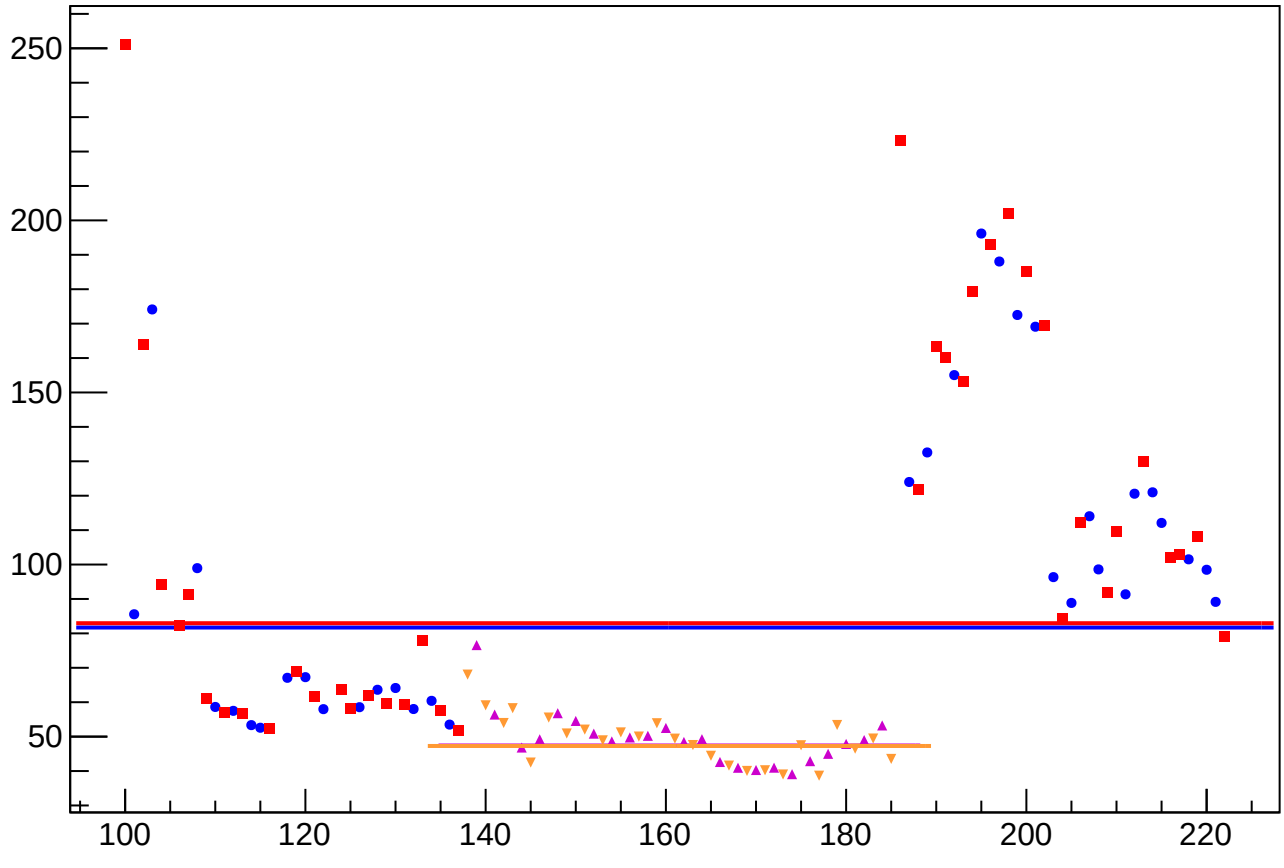
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 17.890+/-13.437 χ^2/NDF: 94.0/71

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -13.051+/-9.471 χ^2/NDF:108.9/62

All: -10.530+/-6.754 χ^2/NDF: 168.2/119



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: 82.955+/-0.014 χ^2/NDF: 6488335.0/37

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

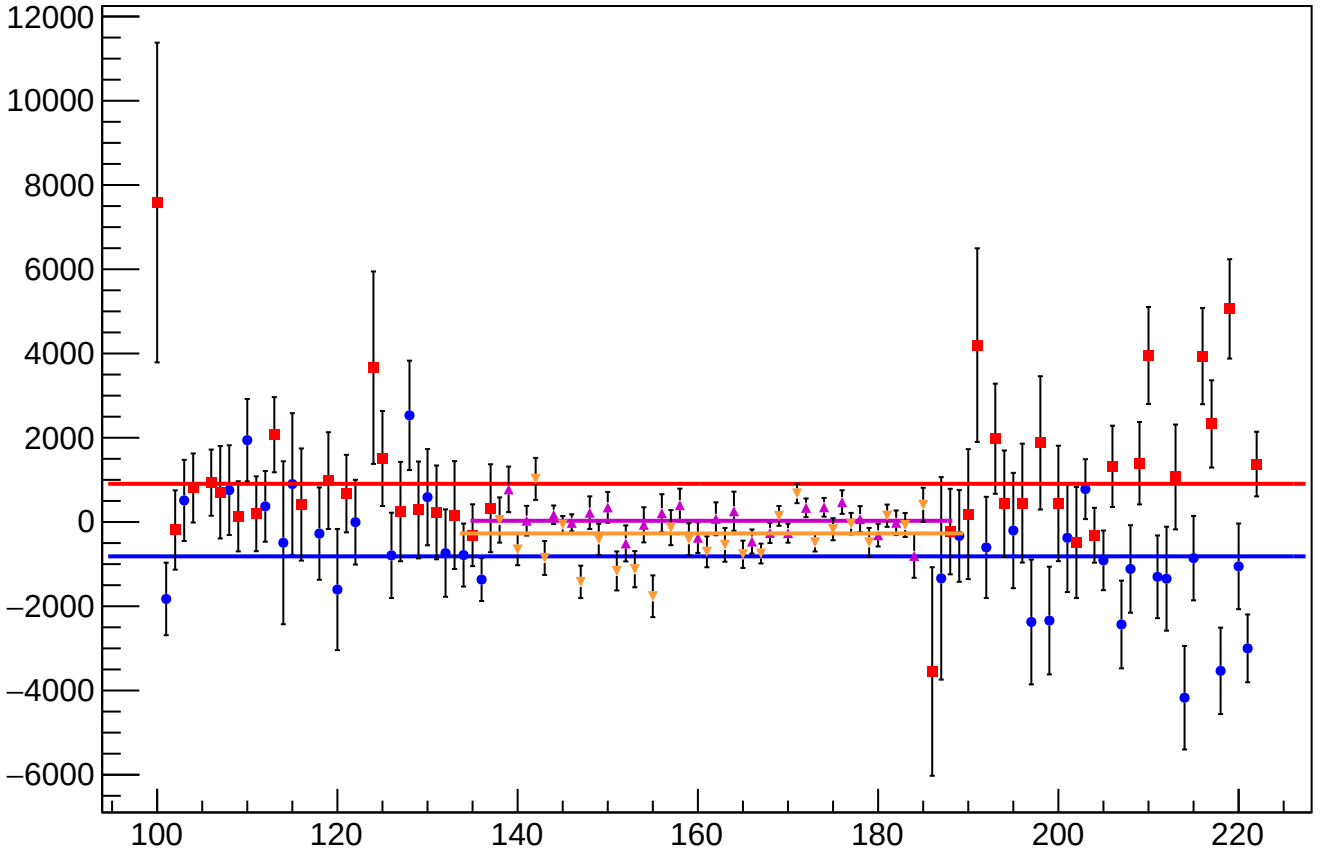
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 82.314+/-0.010 χ^2/NDF: 12038818.6/71

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 55.964+/-0.007 χ^2/NDF:12429613.8/62

All: 56.186+/-0.005 χ^2/NDF: 23530899.0/119



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: 906.928+/-173.549 χ^2/NDF: 56.0/37

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

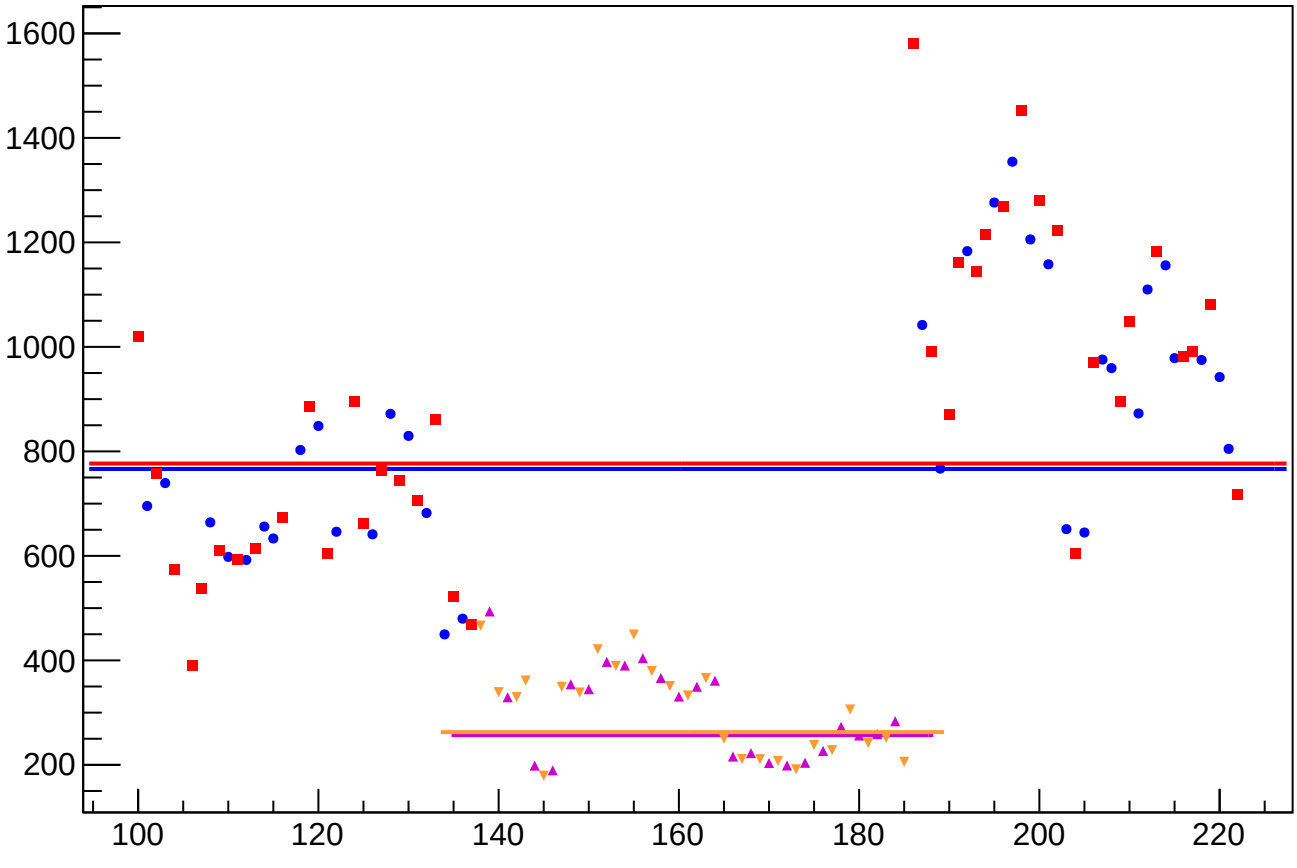
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 33.868+/-121.870 χ^2/NDF: 165.9/71

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -136.384+/-58.675 χ^2/NDF:170.7/62

All: -103.609+/-41.551 χ^2/NDF: 277.2/119



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: 776.729+/-0.123 χ^2/NDF: 4237291.8/37

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

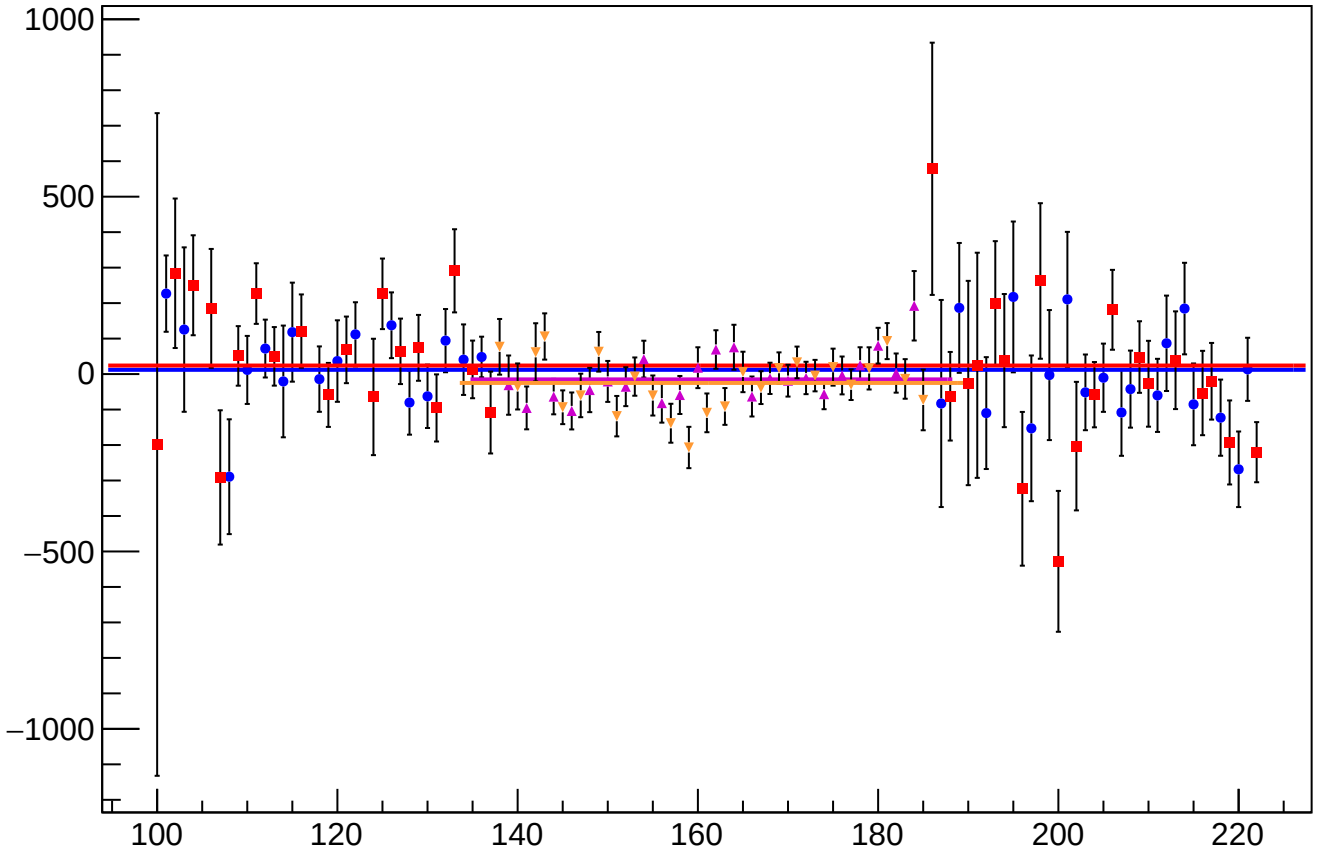
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 771.446+/-0.086 χ^2/NDF: 7685190.9/71

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 321.436+/-0.041 χ^2/NDF:22671608.7/62

All: 319.254+/-0.029 χ^2/NDF: 44382648.6/1



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: 24.060+/-19.199 χ^2/NDF: 60.9/37

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

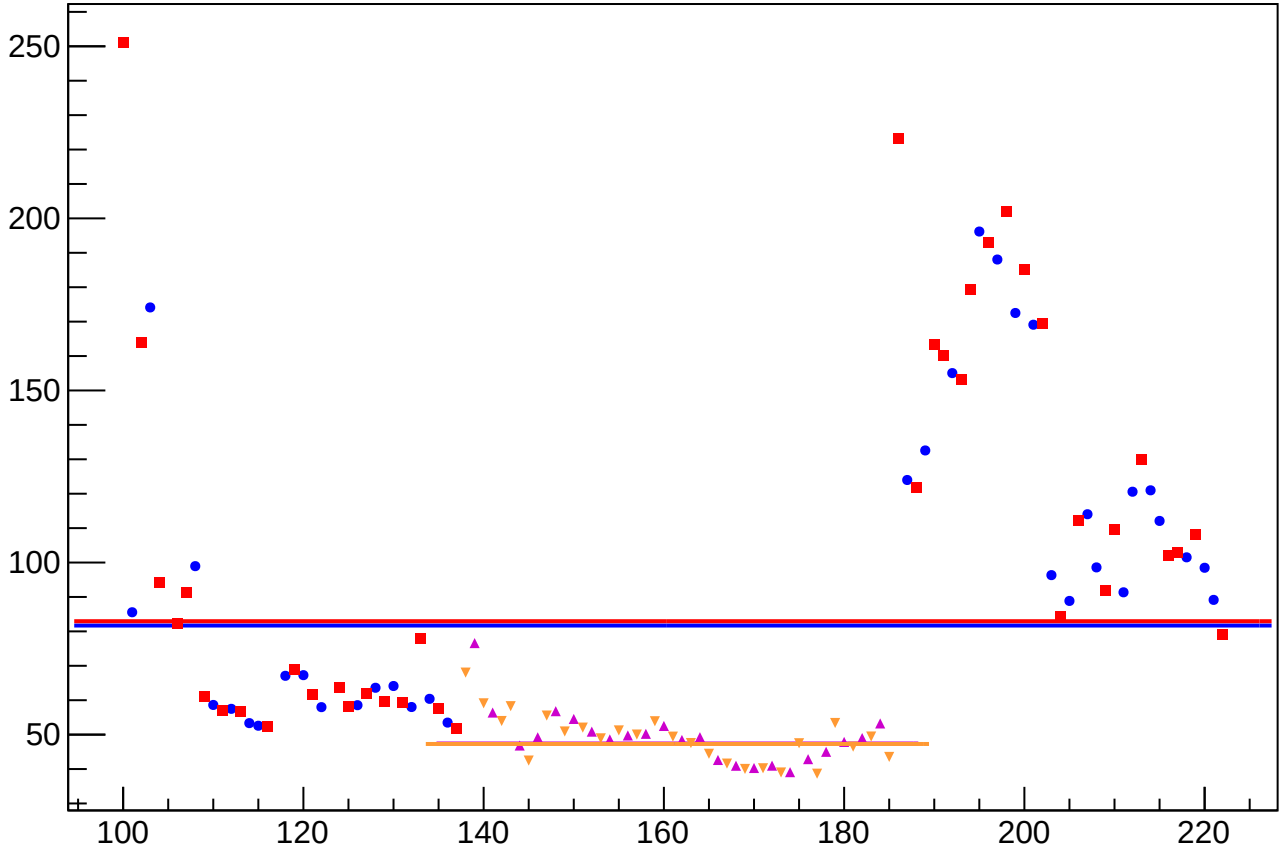
Right: 17.890+/-13.437 χ^2/NDF: 94.0/71

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -13.051+/-9.471 χ^2/NDF:108.9/62

All: -10.530+/-6.754 χ^2/NDF: 168.2/119

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 81.699+/-0.013 χ^2/NDF: 5546116.3/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 82.955+/-0.014 χ^2/NDF: 6488335.0/37

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

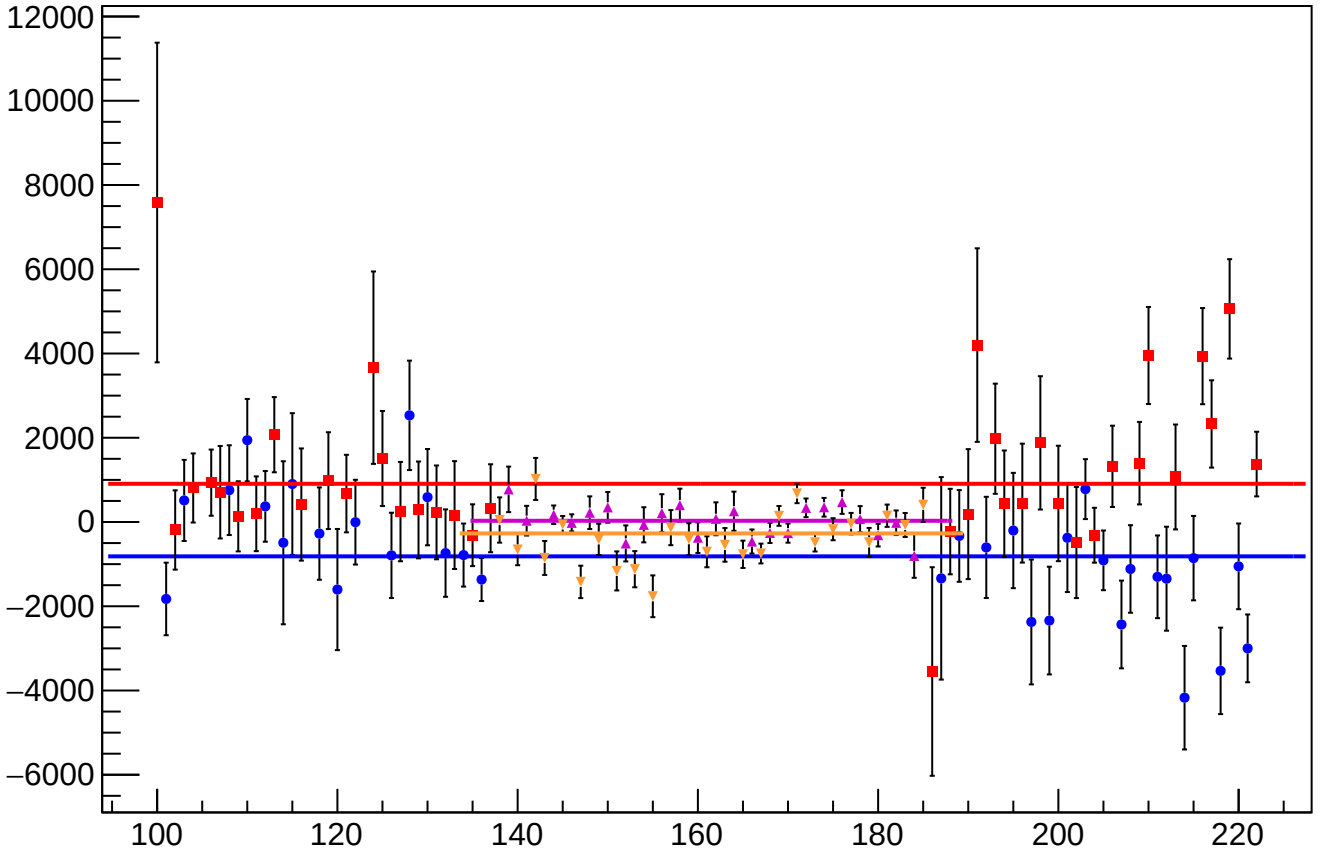
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 82.314+/-0.010 χ^2/NDF: 12038818.6/71

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 55.964+/-0.007 χ^2/NDF:12429613.8/62

All: 56.186+/-0.005 χ^2/NDF: 23530899.0/119



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: 906.928+/-173.549 χ^2/NDF: 56.0/37

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

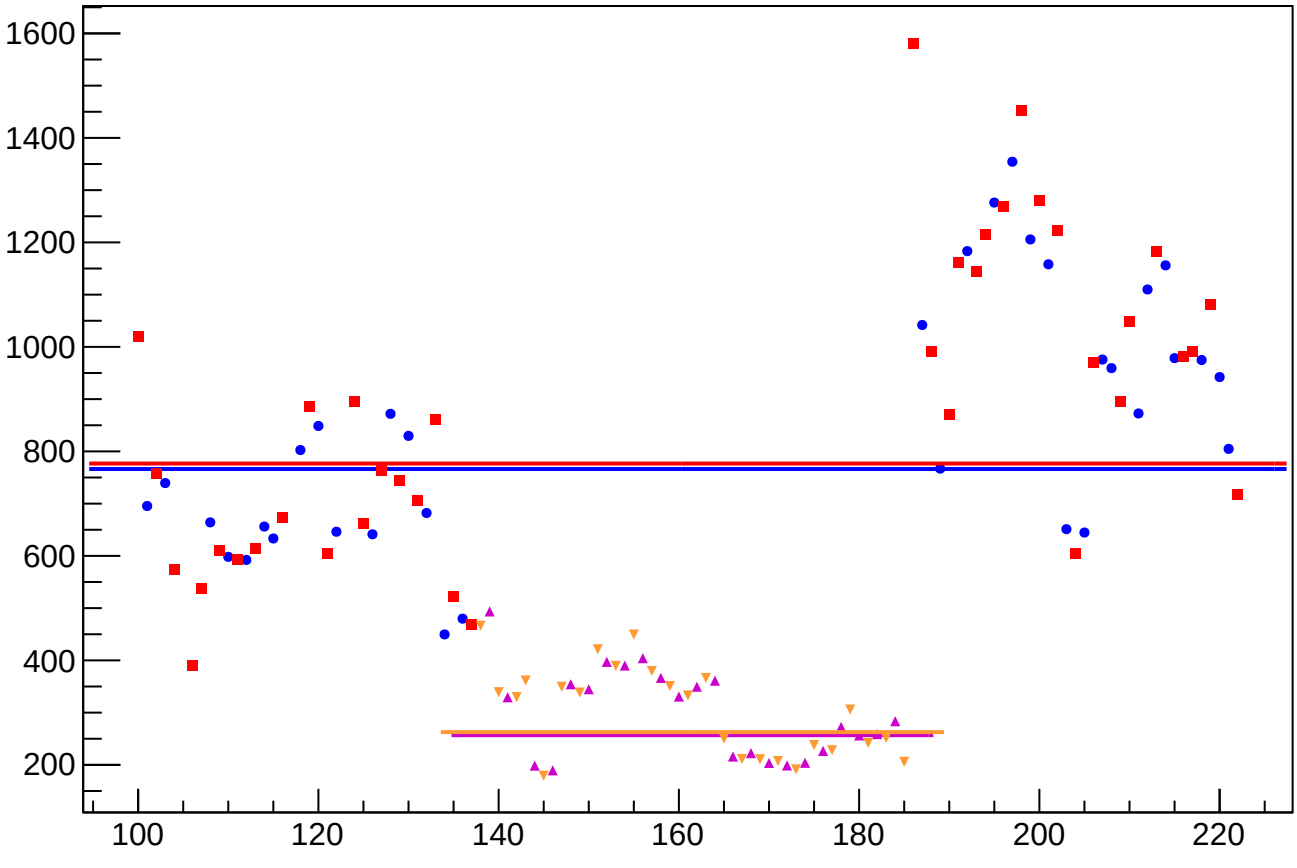
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 33.868+/-121.870 χ^2/NDF: 165.9/71

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -136.384+/-58.675 χ^2/NDF:170.7/62

All: -103.609+/-41.551 χ^2/NDF: 277.2/119



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: 776.729+/-0.123 χ^2/NDF: 4237291.8/37

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

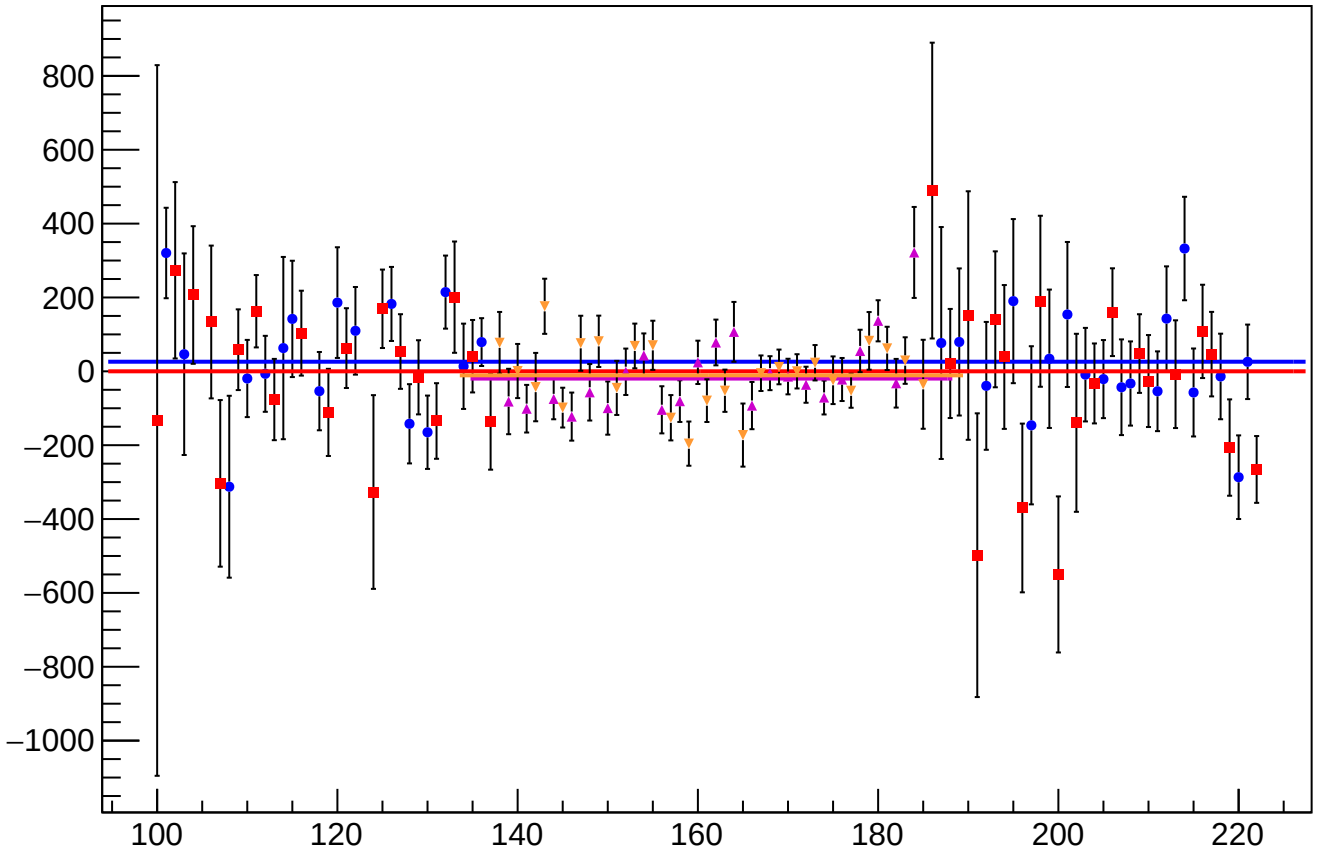
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 771.446+/-0.086 χ^2/NDF: 7685190.9/71

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 321.436+/-0.041 χ^2/NDF:22671608.7/62

All: 319.254+/-0.029 χ^2/NDF: 44382648.6/1



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: 0.050+/-21.962 χ^2/NDF: 48.1/37

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

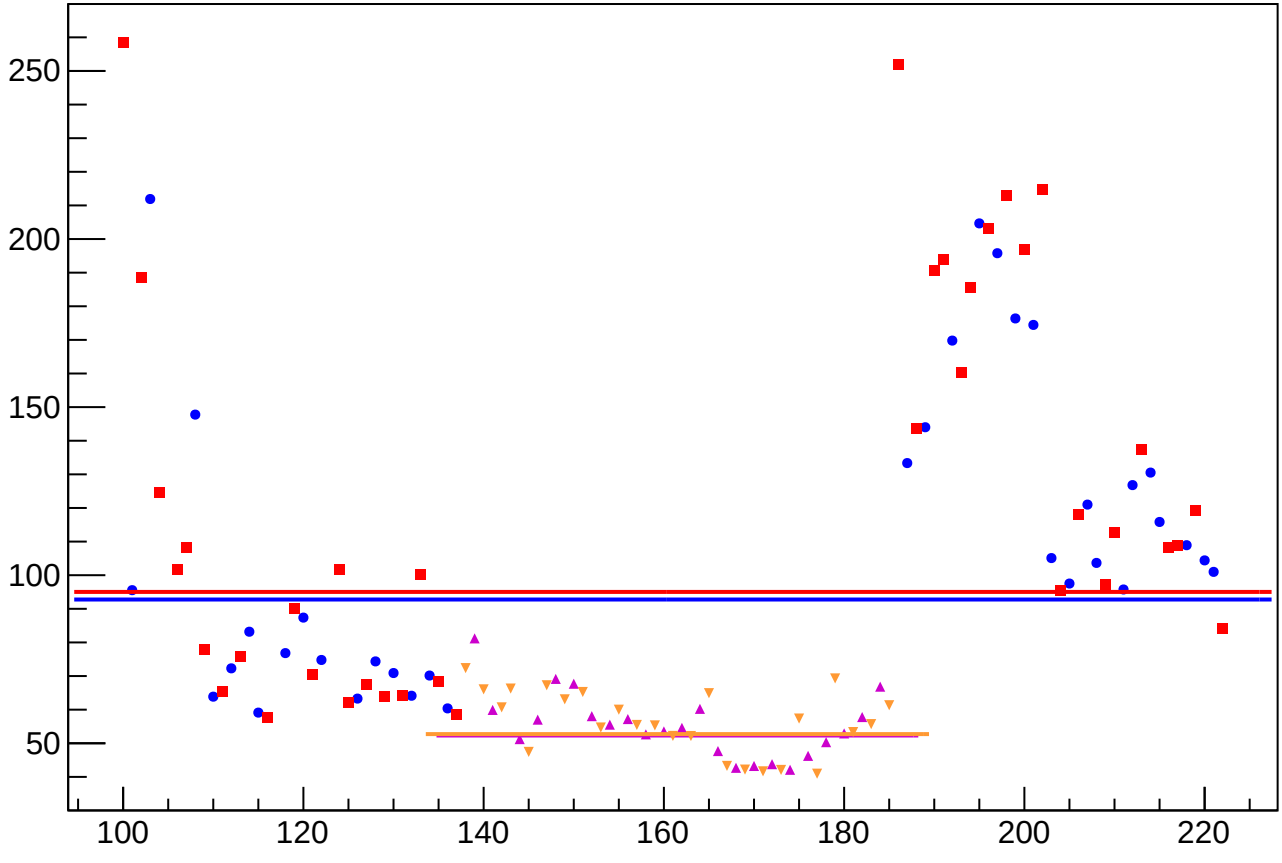
Right: 13.452+/-15.282 χ^2/NDF: 89.4/71

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -8.225+/-10.736 χ^2/NDF:88.7/62

All: -8.027+/-7.616 χ^2/NDF: 169.5/119

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: 95.026+/-0.016 χ^2/NDF: 5922966.3/37

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

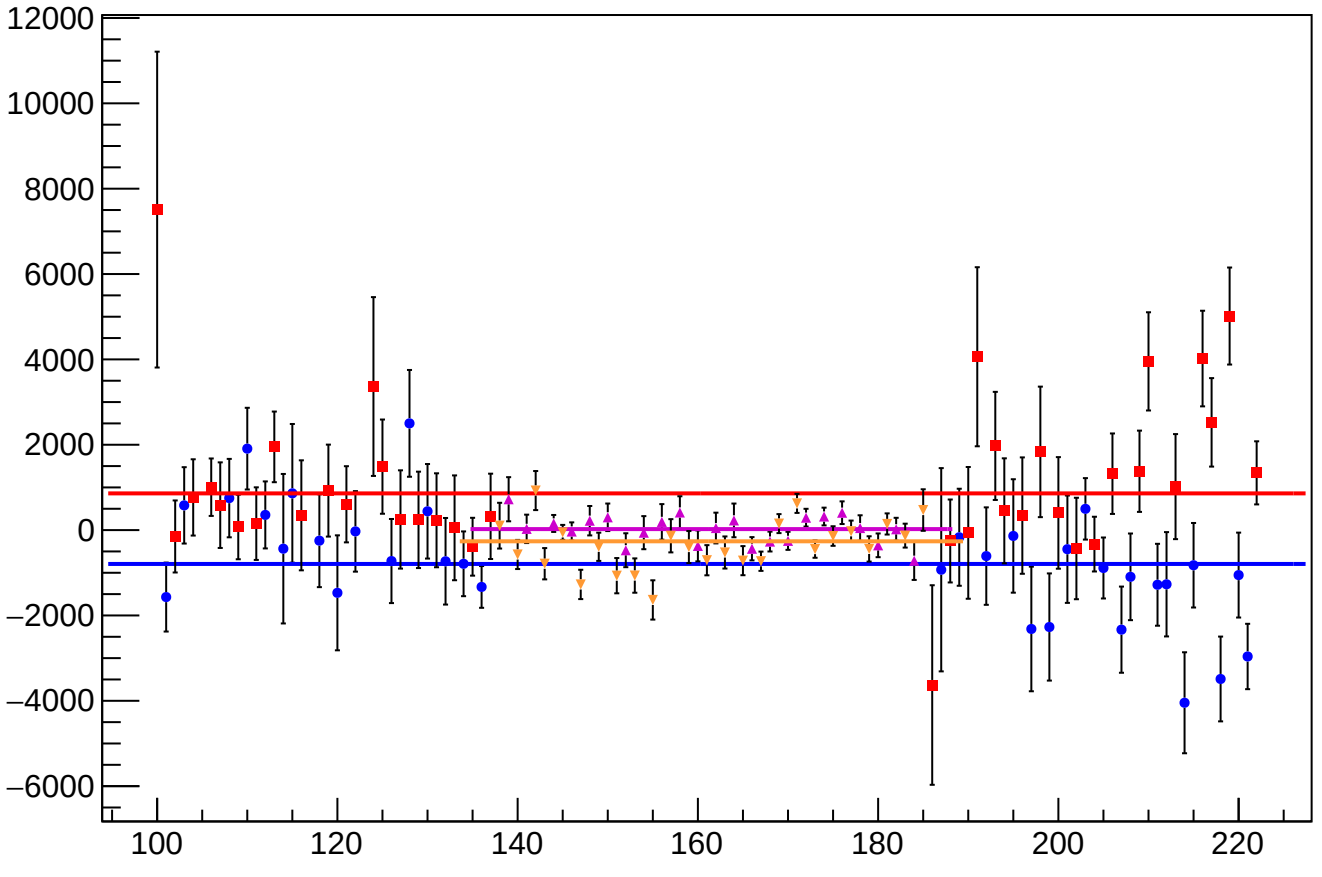
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.860+/-0.011 χ^2/NDF: 10732379.1/71

In: 62.749+/-0.008 χ^2/NDF:11054020.5/56

Out: 62.837+/-0.008 χ^2/NDF:12735483.7/62

All: 62.793+/-0.005 χ^2/NDF: 23789572.1/119



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: 860.142+/-165.909 χ^2/NDF: 61.3/37

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

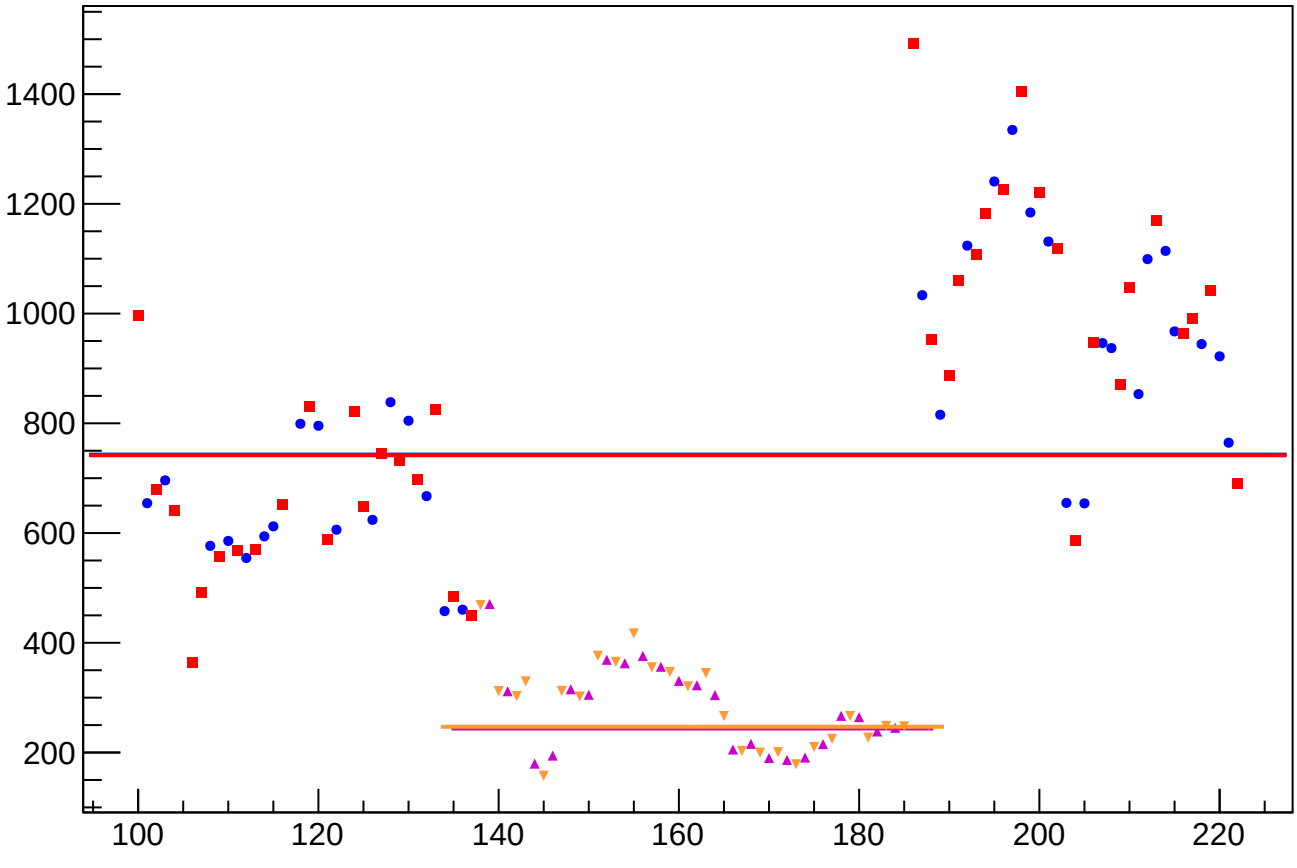
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 33.228+/-117.300 χ^2/NDF: 171.0/71

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -138.427+/-55.171 χ^2/NDF:174.2/62

All: -104.359+/-39.274 χ^2/NDF: 280.7/119



Right In: 742.905+/-0.117 χ^2/NDF: 3516940.2/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 741.768+/-0.117 χ^2/NDF: 4525400.1/37

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

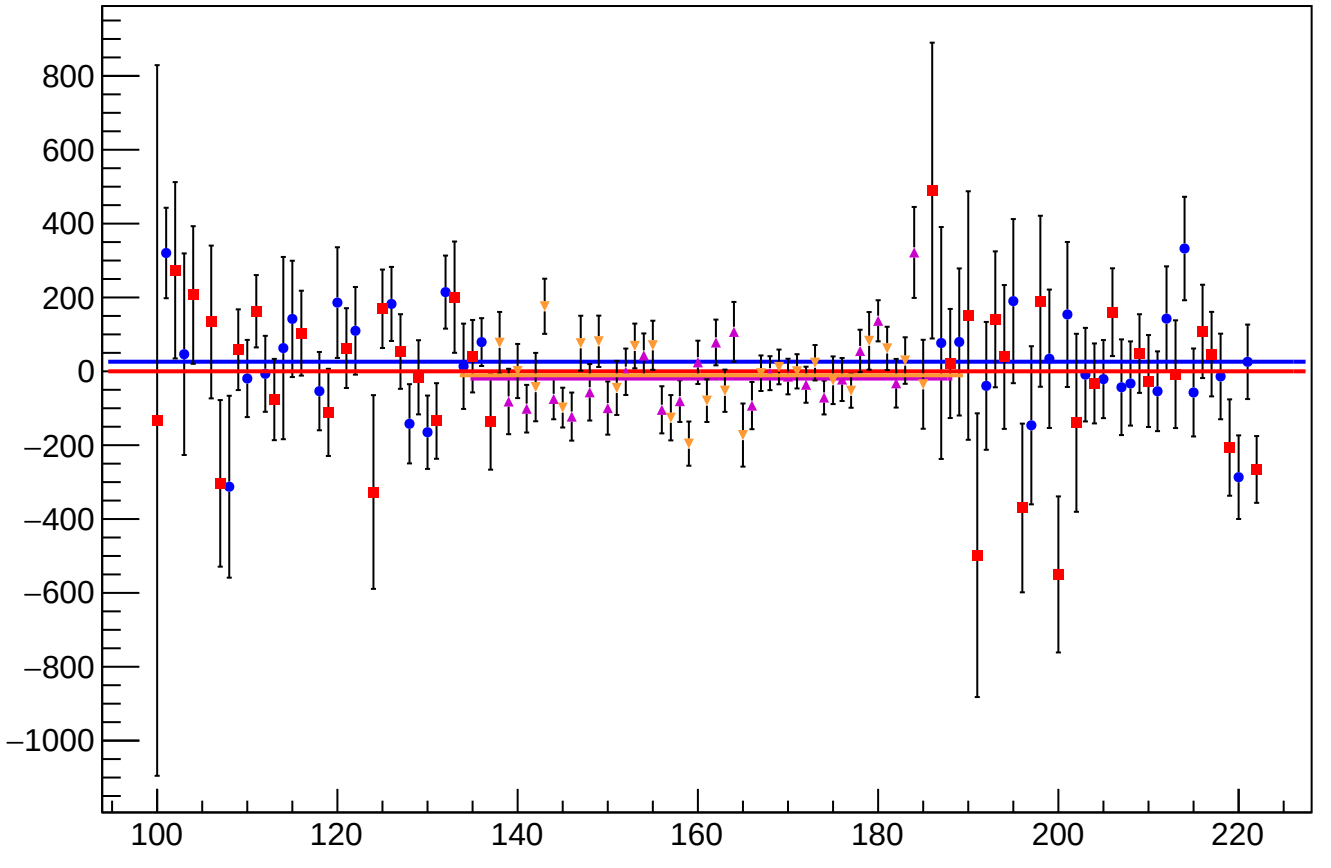
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 742.337+/-0.083 χ^2/NDF: 8042387.3/71

In: 300.551+/-0.040 χ^2/NDF:22056917.3/56

Out: 301.709+/-0.039 χ^2/NDF:23271179.3/62

All: 301.138+/-0.028 χ^2/NDF: 45328531.3/1



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: 0.049+/-21.962 χ^2/NDF: 48.1/37

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

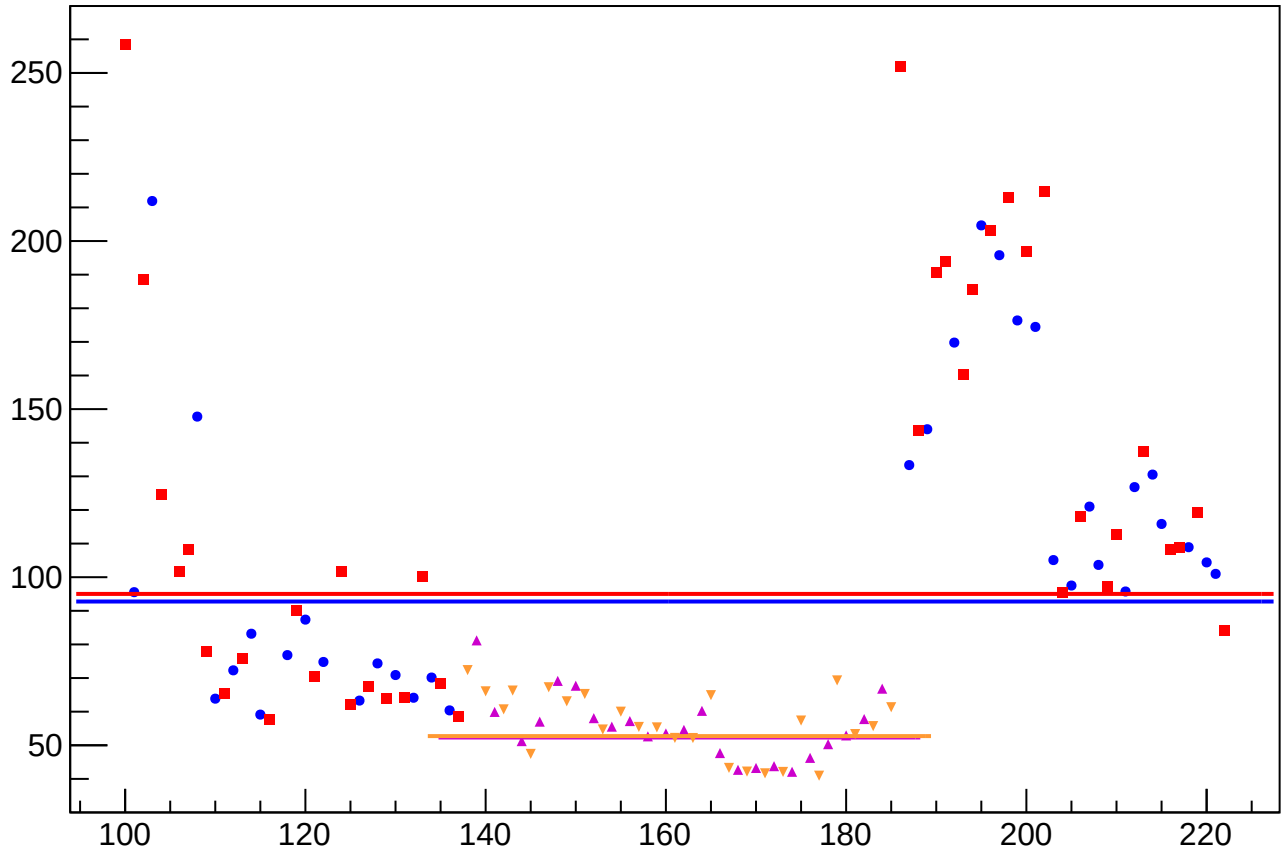
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 13.451+/-15.282 χ^2/NDF: 89.4/71

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -8.224+/-10.736 χ^2/NDF:88.7/62

All: -8.027+/-7.616 χ^2/NDF: 169.5/119



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: 95.026+/-0.016 χ^2/NDF: 5922969.7/37

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

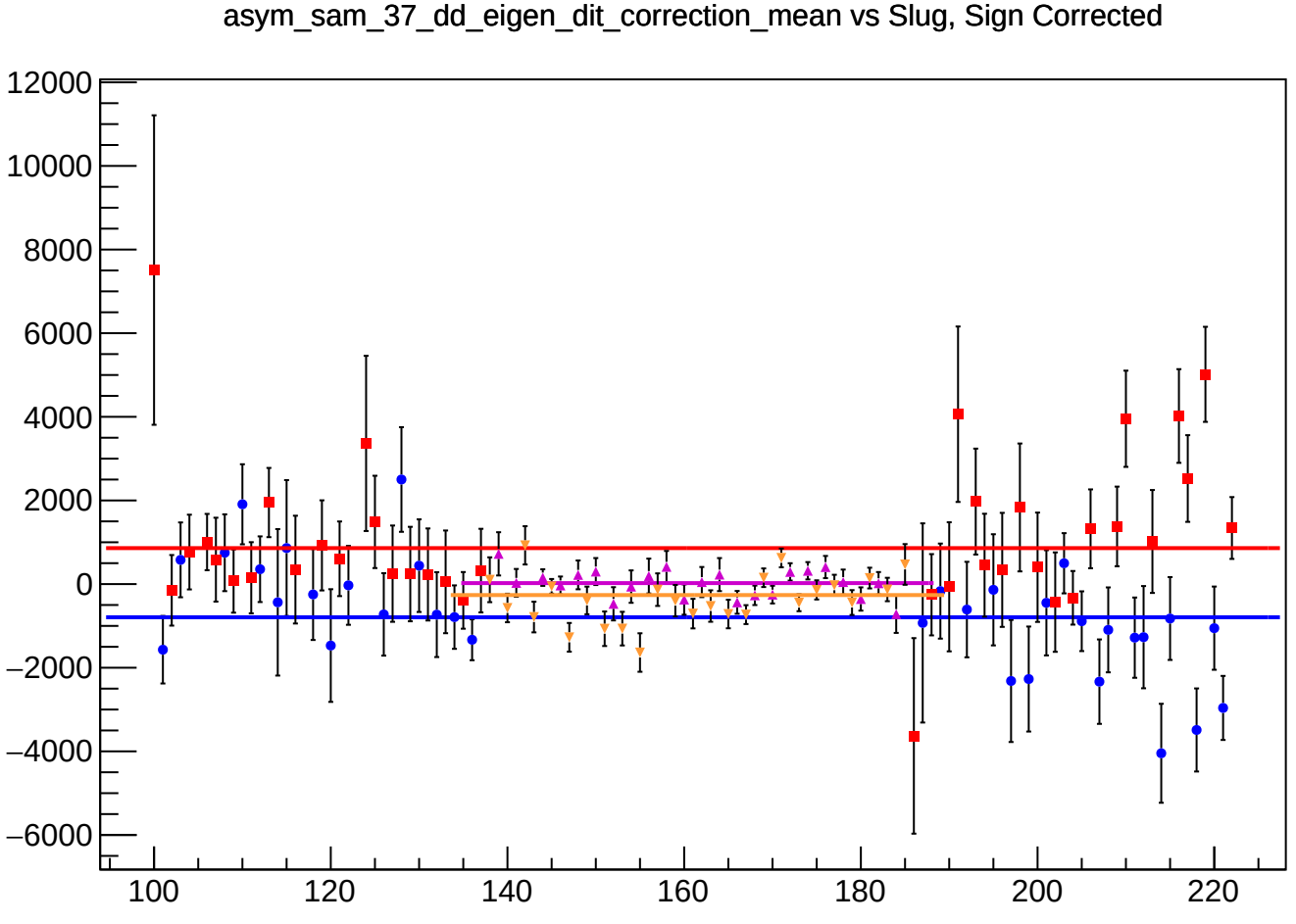
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 93.860+/-0.011 χ^2/NDF: 10732416.9/71

In: 62.749+/-0.008 χ^2/NDF:11054015.1/56

Out: 62.838+/-0.008 χ^2/NDF:12735477.0/62

All: 62.793+/-0.005 χ^2/NDF: 23789560.0/119



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: 860.142+/-165.908 χ^2/NDF: 61.3/37

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

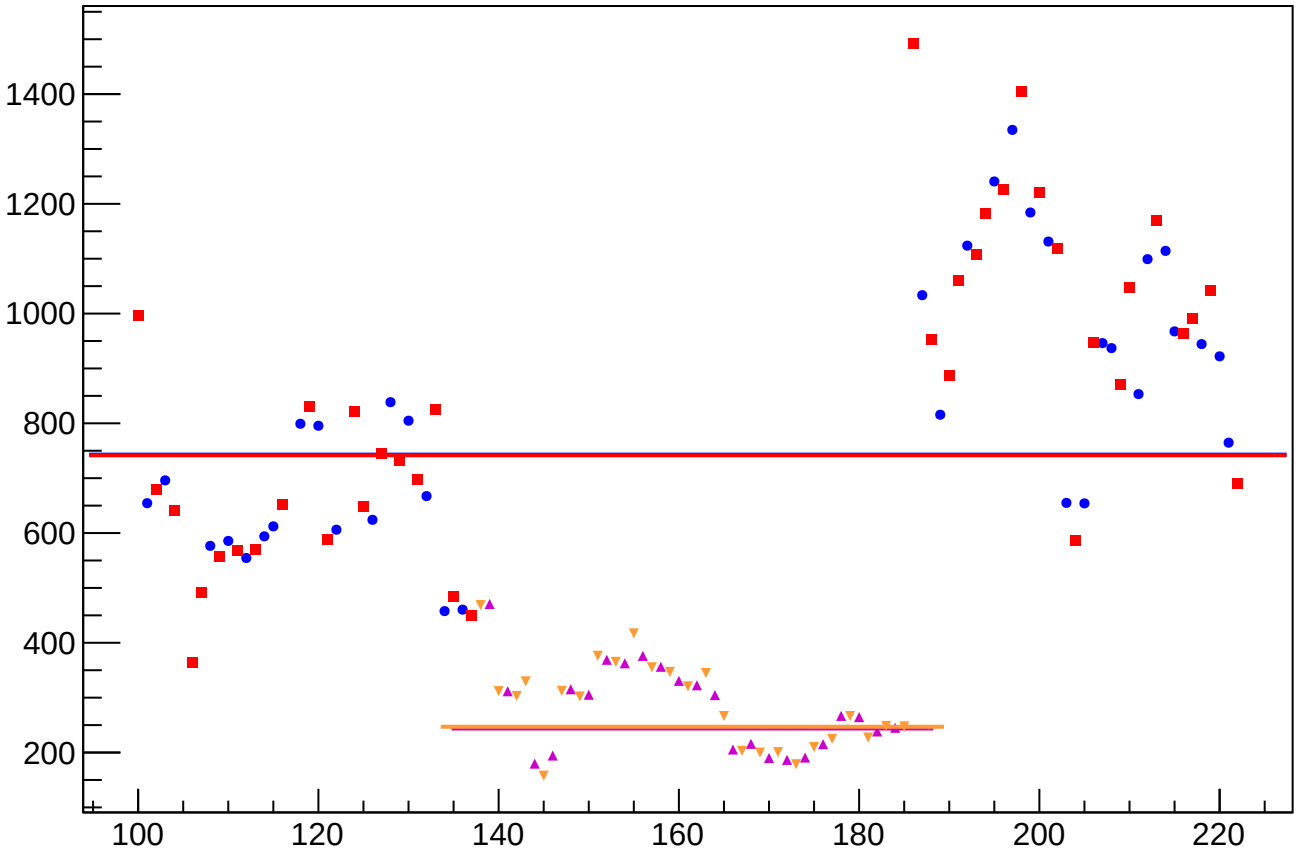
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 33.229+/-117.300 χ^2/NDF: 171.0/71

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -138.427+/-55.171 χ^2/NDF:174.2/62

All: -104.359+/-39.274 χ^2/NDF: 280.7/119



Right In: 742.905+/-0.117 χ^2/NDF: 3516920.1/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 741.768+/-0.117 χ^2/NDF: 4525390.0/37

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

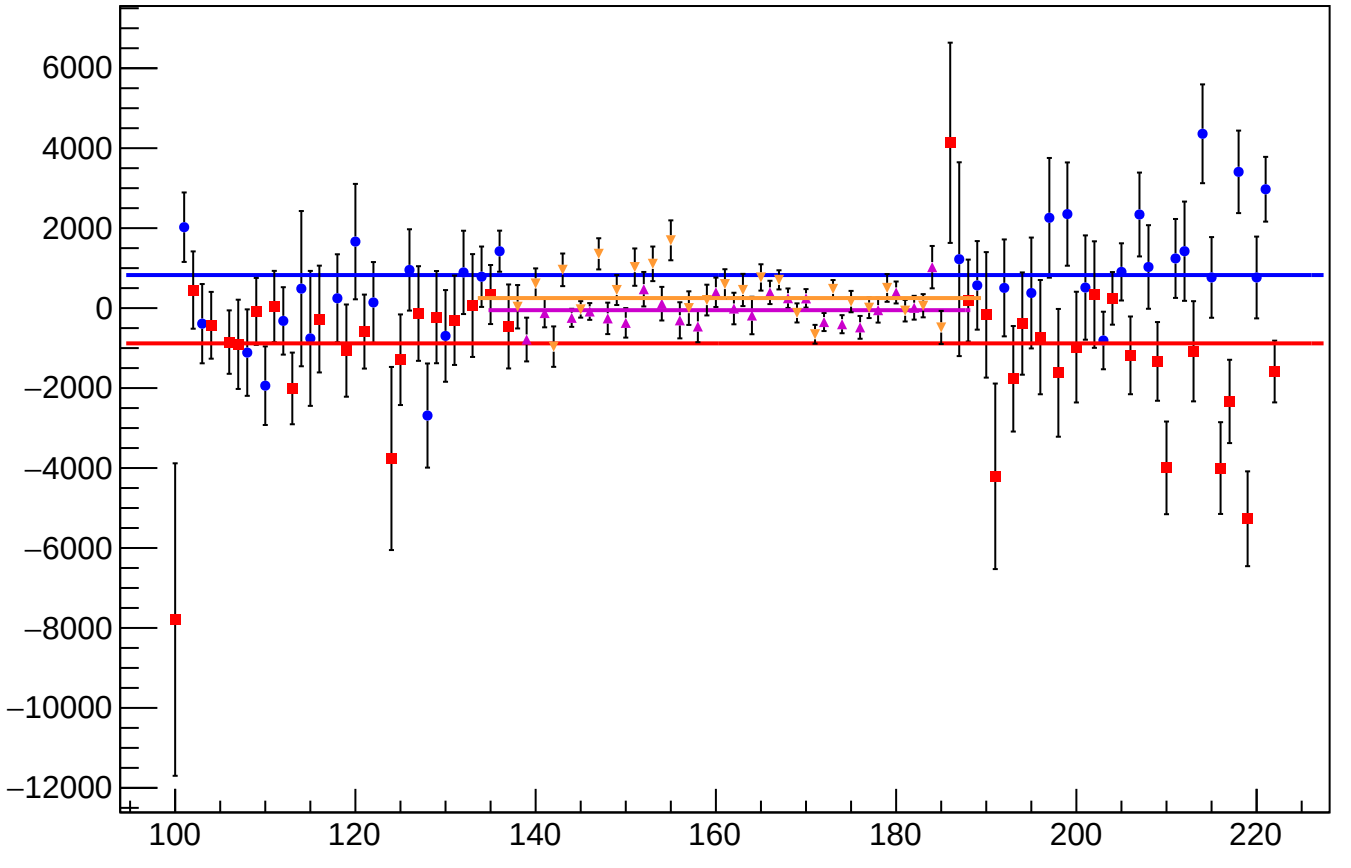
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 742.337+/-0.083 χ^2/NDF: 8042357.2/71

In: 300.551+/-0.040 χ^2/NDF:22056917.5/56

Out: 301.709+/-0.039 χ^2/NDF:23271158.5/62

All: 301.138+/-0.028 χ^2/NDF: 45328510.7/11



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: -882.046+/-174.992 χ^2/NDF: 58.7/37

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

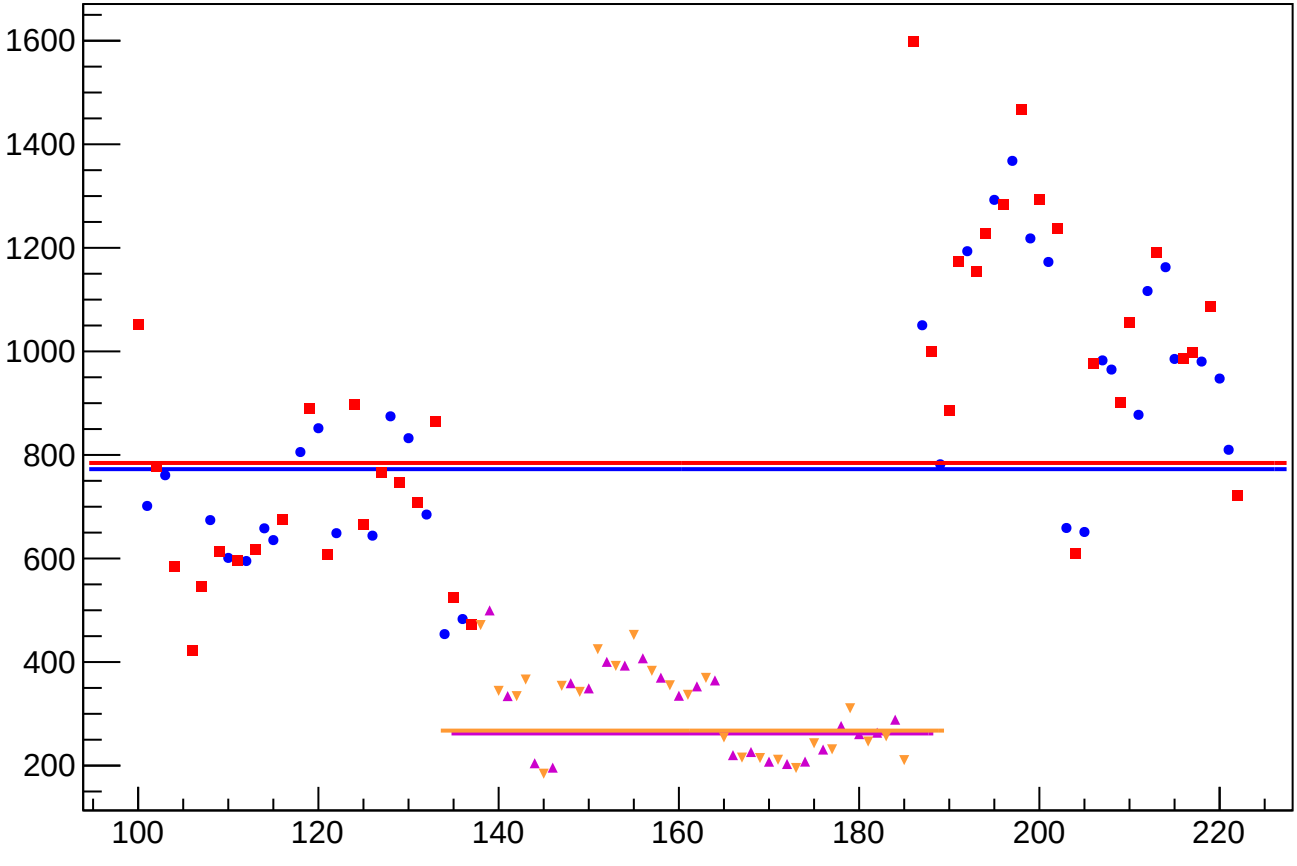
Right: -15.826+/-122.873 χ^2/NDF: 167.6/71

In: 54.030+/-59.877 χ^2/NDF:110.2/56

Out: 119.540+/-59.628 χ^2/NDF:163.3/62

All: 86.921+/-42.251 χ^2/NDF: 274.1/119

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: 784.499+/-0.124 χ^2/NDF: 4173076.9/37

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

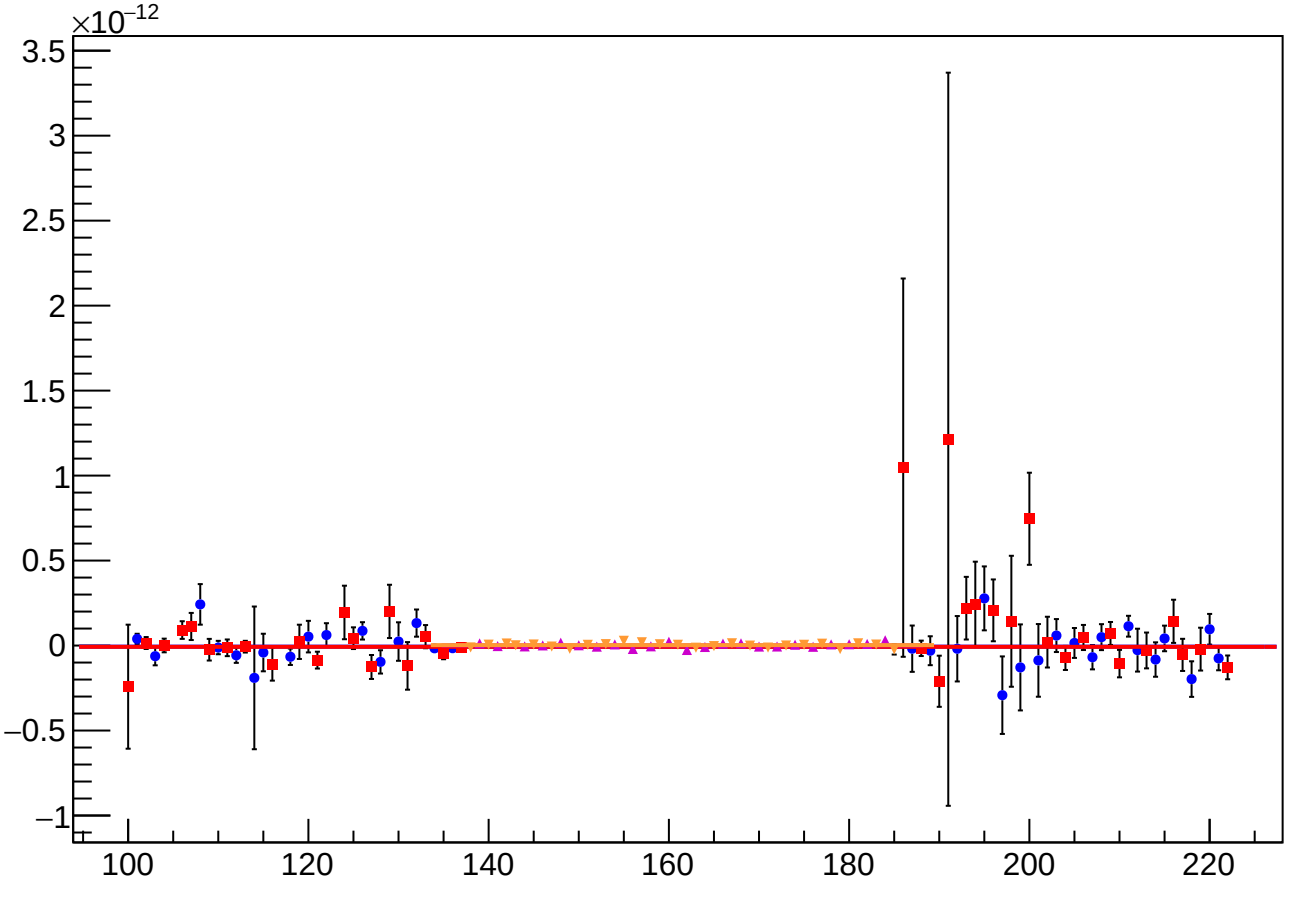
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 778.446+/-0.087 χ^2/NDF: 7624818.5/71

In: 323.546+/-0.042 χ^2/NDF:21377340.5/56

Out: 327.607+/-0.042 χ^2/NDF:22399440.5/62

All: 325.585+/-0.030 χ^2/NDF: 43781398.7/11



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: 43.9/37

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

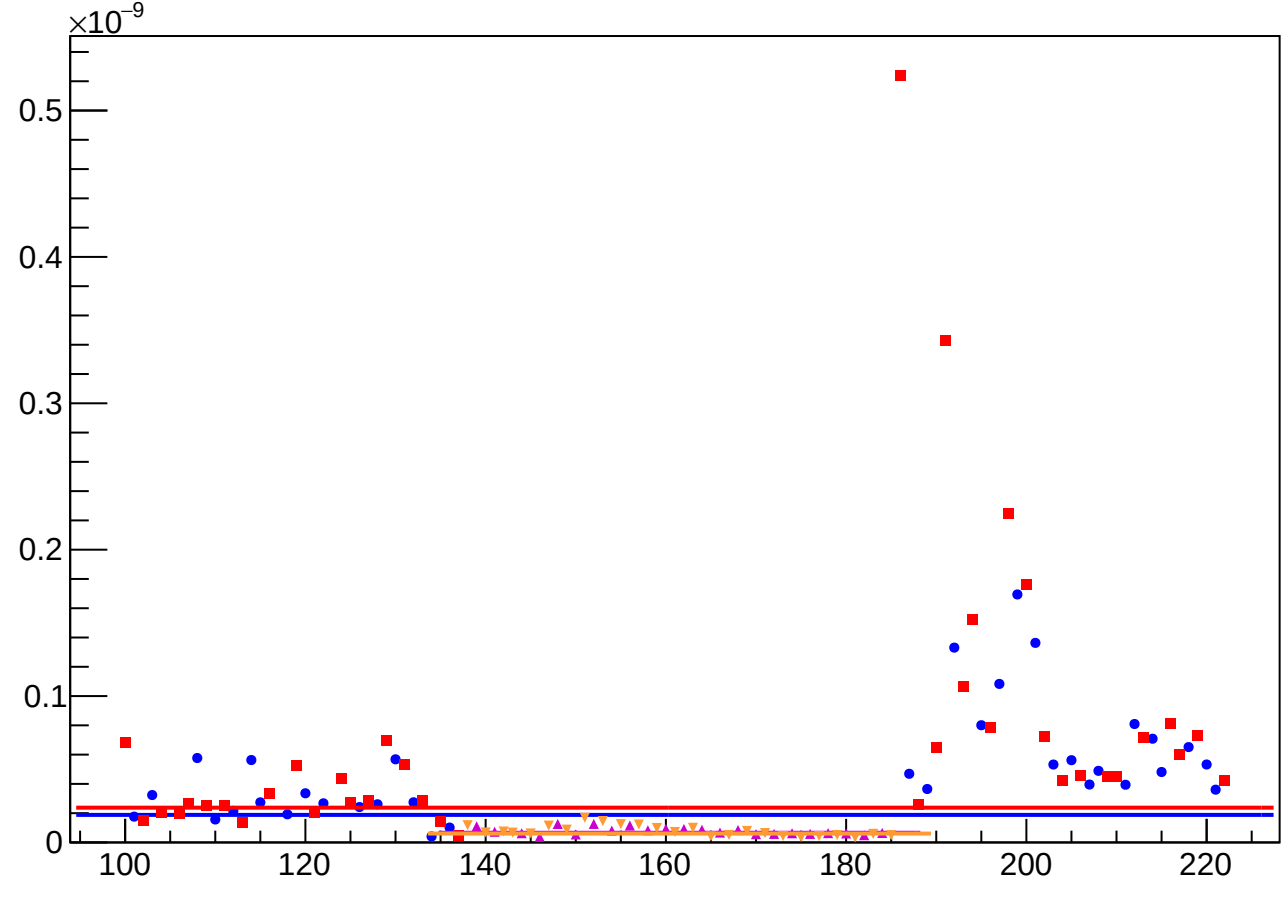
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 81.4/71

In: 0.000+/-0.000 χ^2/NDF:50.5/56

Out: 0.000+/-0.000 χ^2/NDF:60.0/62

All: 0.000+/-0.000 χ^2/NDF: 110.7/119



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: 7629221.4/37

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

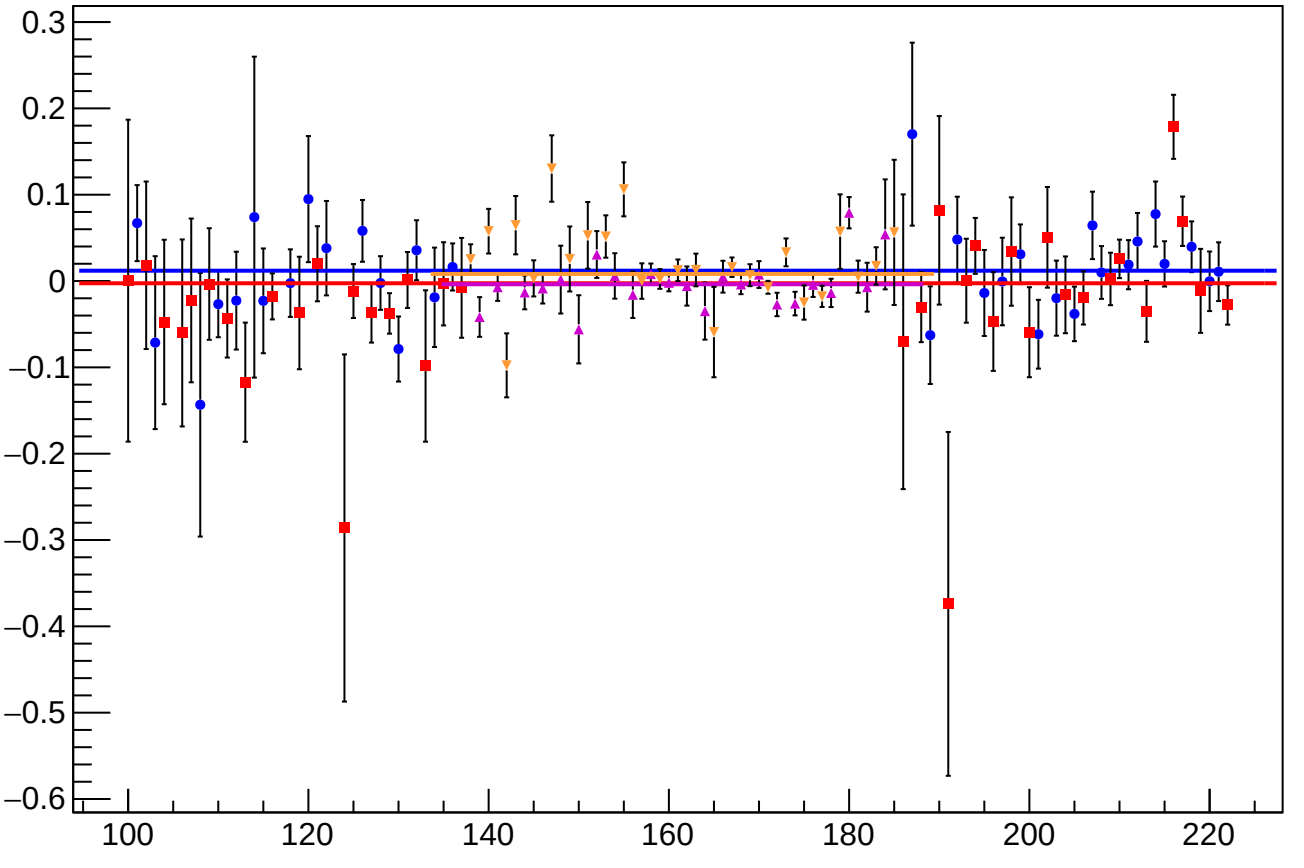
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16861111.0/71

In: 0.000+/-0.000 χ^2/NDF:13754972.4/56

Out: 0.000+/-0.000 χ^2/NDF:15651279.8/62

All: 0.000+/-0.000 χ^2/NDF: 29477876.0/119



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: -0.003+/-0.007 χ^2/NDF: 55.3/37

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

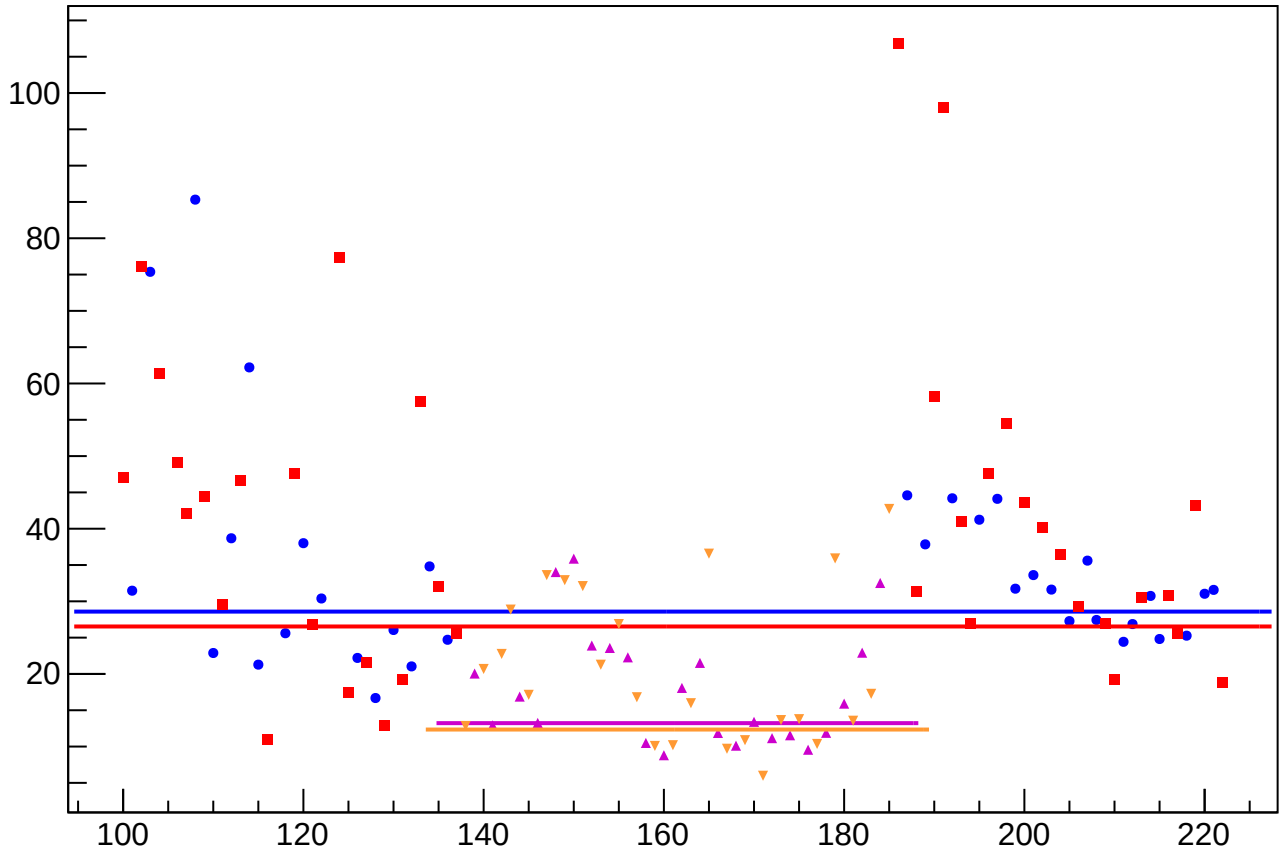
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.005+/-0.005 χ^2/NDF: 91.5/71

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:116.1/62

All: 0.003+/-0.002 χ^2/NDF: 193.3/119



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.536+/-0.005 χ^2/NDF: 6485985.5/37

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

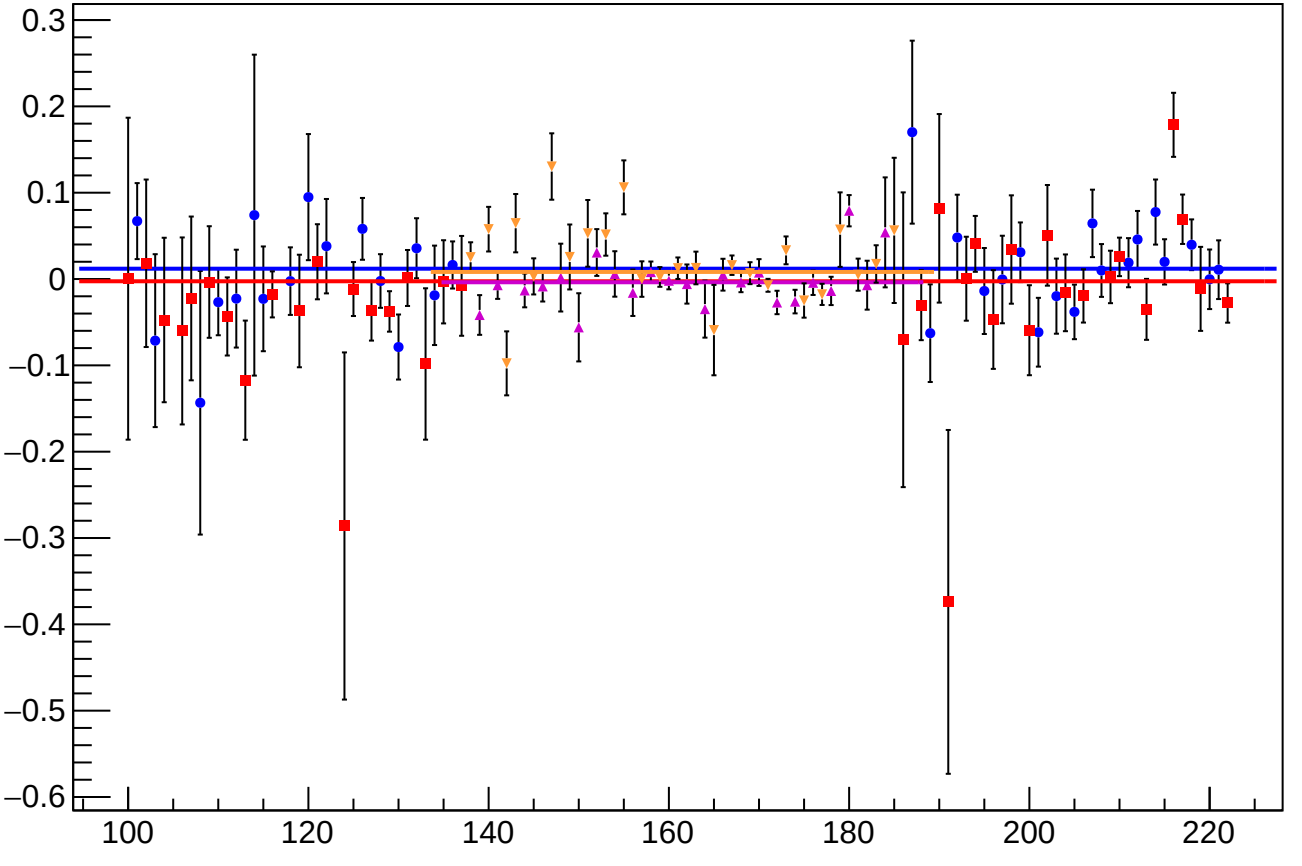
Right: 27.548+/-0.003 χ^2/NDF: 8962407.7/71

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.311+/-0.002 χ^2/NDF:20291177.3/62

All: 15.945+/-0.002 χ^2/NDF: 34657597.0/119

asym_sam_37_dd_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: -0.003+/-0.007 χ^2/NDF: 55.3/37

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

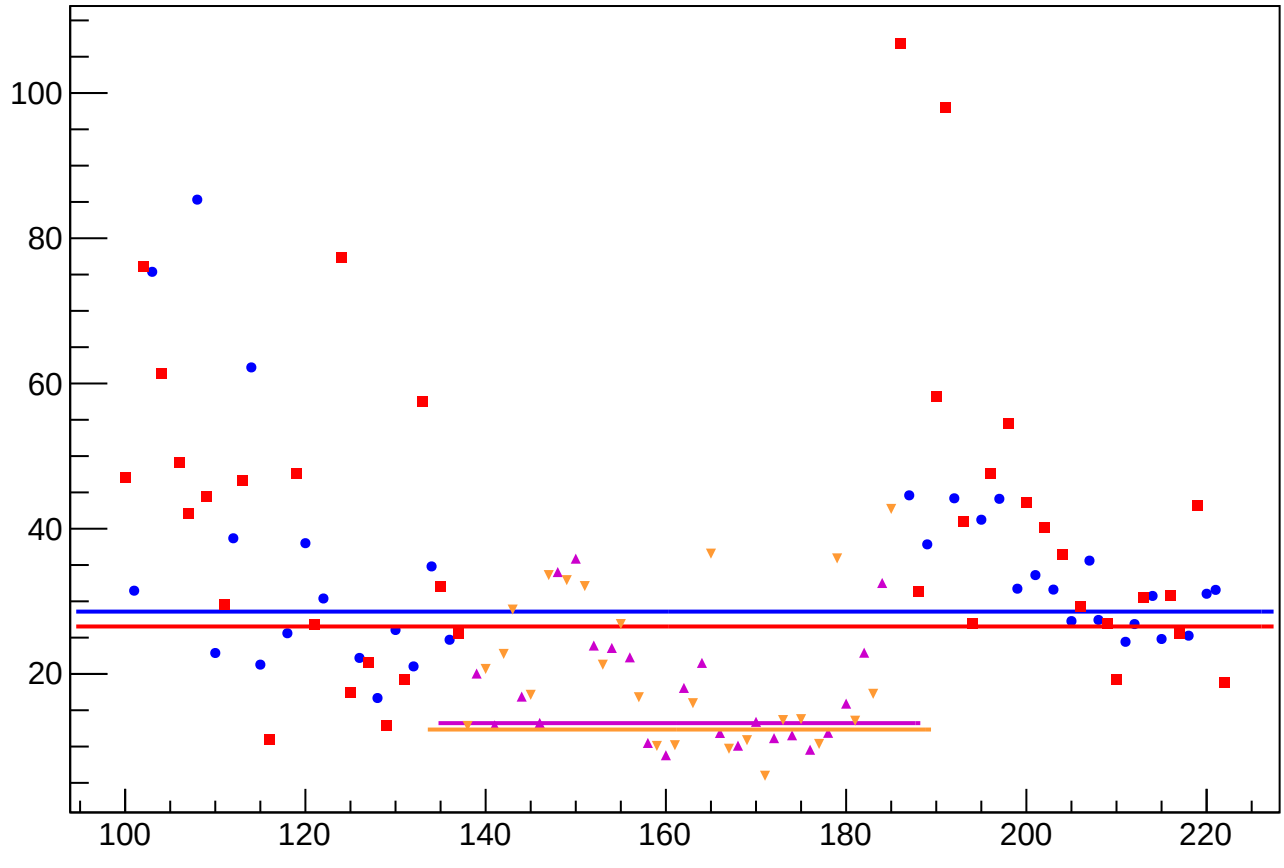
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.005+/-0.005 χ^2/NDF: 91.5/71

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:116.1/62

All: 0.003+/-0.002 χ^2/NDF: 193.3/119



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.536+/-0.005 χ^2/NDF: 6485985.5/37

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

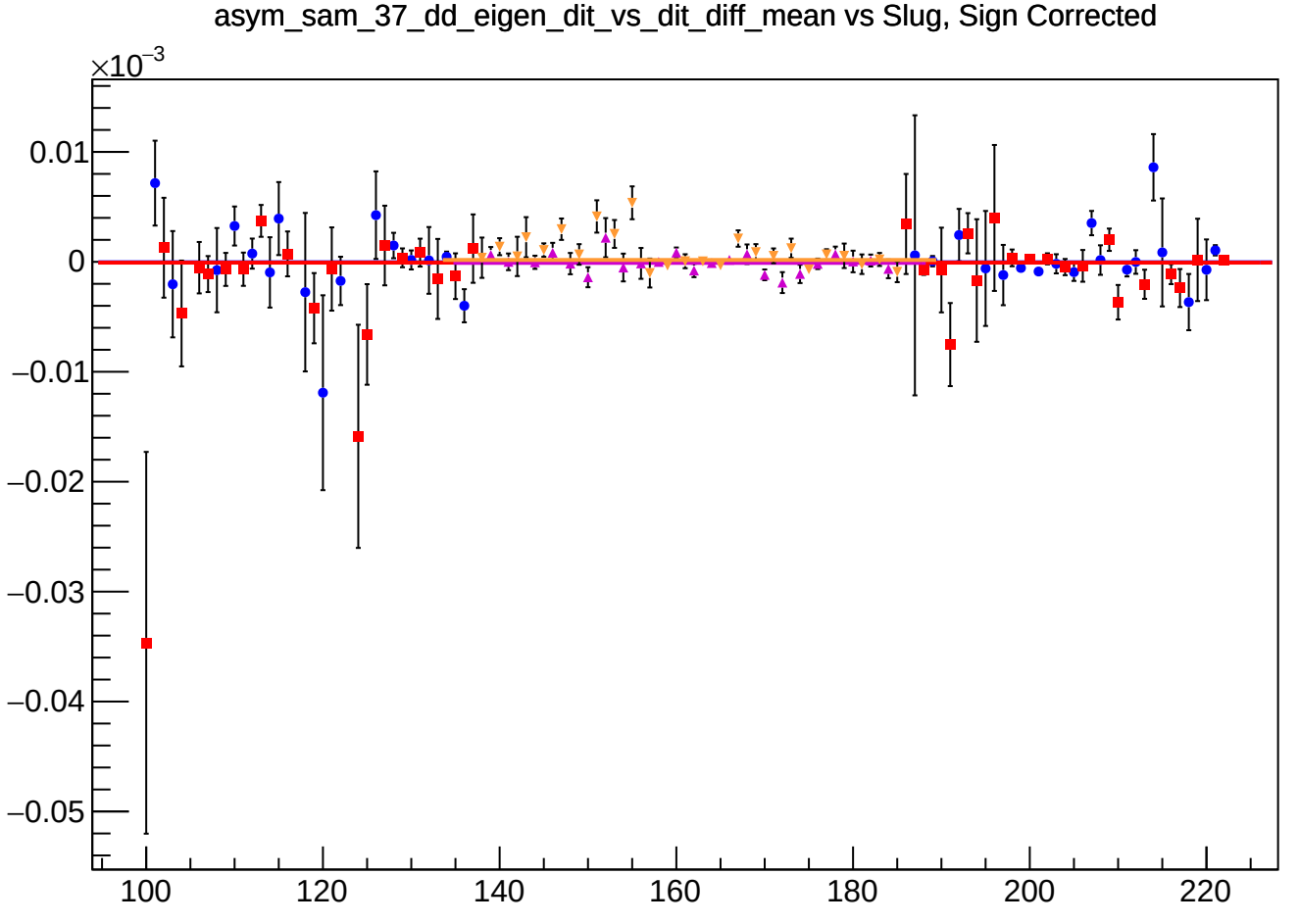
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.548+/-0.003 χ^2/NDF: 8962407.7/71

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.311+/-0.002 χ^2/NDF:20291177.3/62

All: 15.945+/-0.002 χ^2/NDF: 34657597.0/119



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: 46.4/37

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

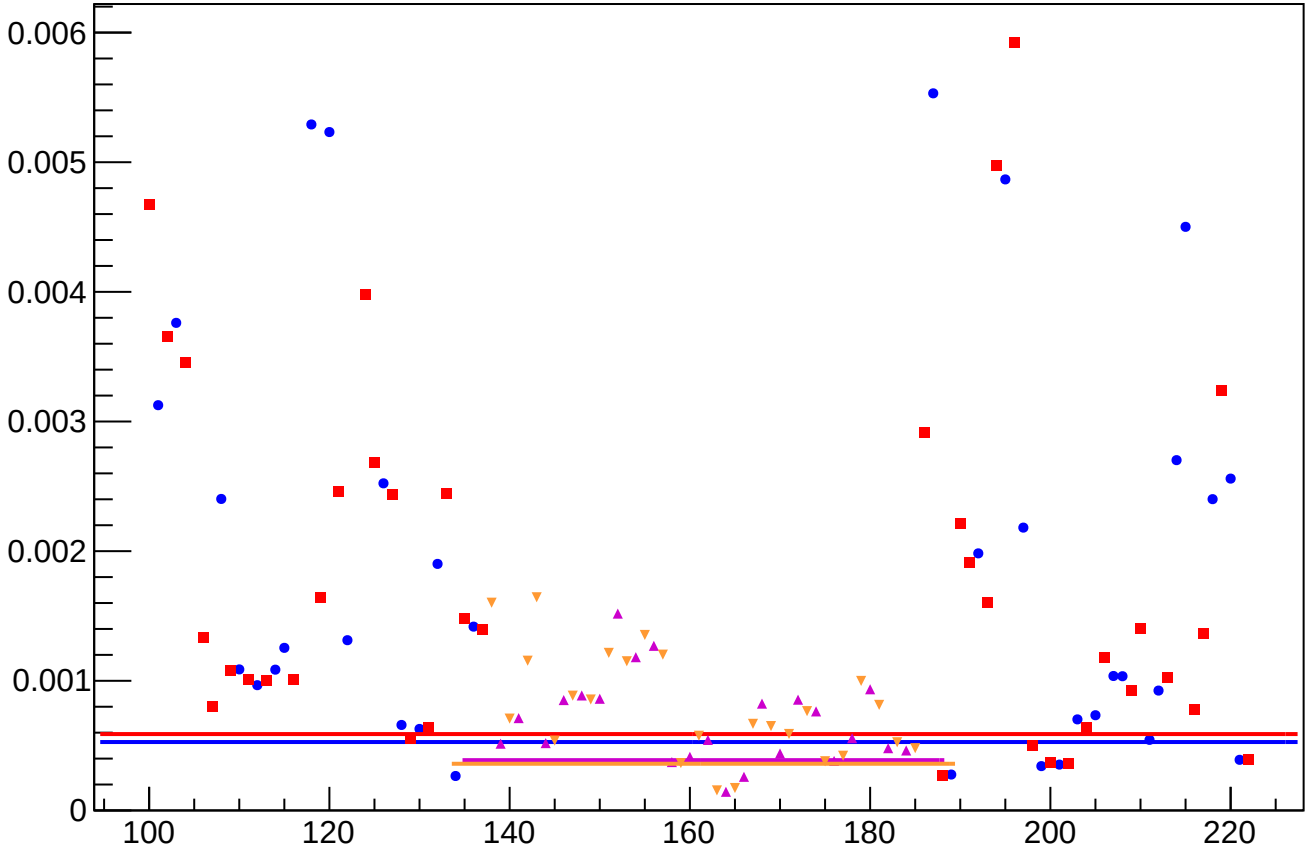
Right: -0.000+/-0.000 χ^2/NDF: 105.3/71

In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:109.3/62

All: 0.000+/-0.000 χ^2/NDF: 194.7/119

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: 14960186.1/37

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

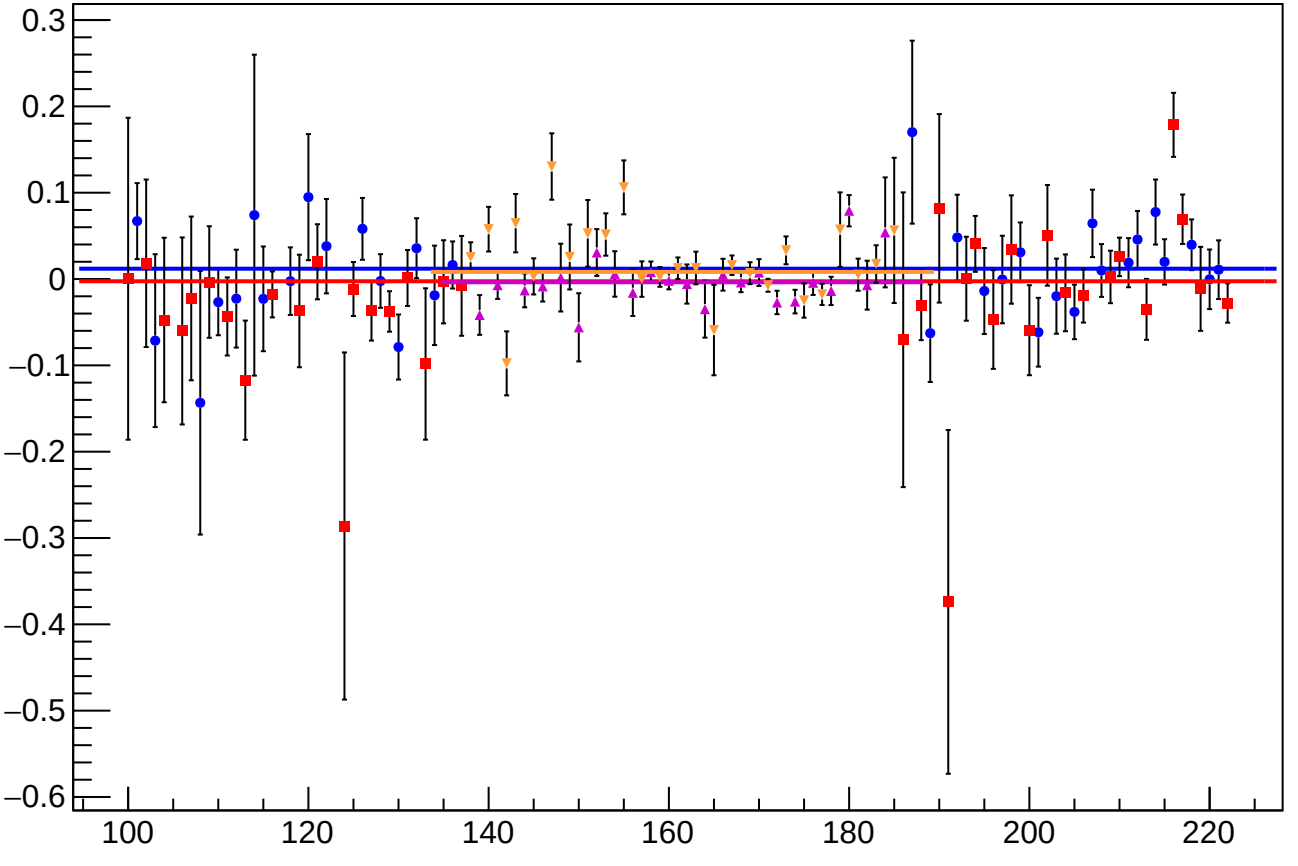
Right: 0.001+/-0.000 χ^2/NDF: 32411289.3/71

In: 0.000+/-0.000 χ^2/NDF:28814807.8/56

Out: 0.000+/-0.000 χ^2/NDF:31549873.6/62

All: 0.000+/-0.000 χ^2/NDF: 60386272.7/119

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: -0.003+/-0.007 χ^2/NDF: 55.3/37

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

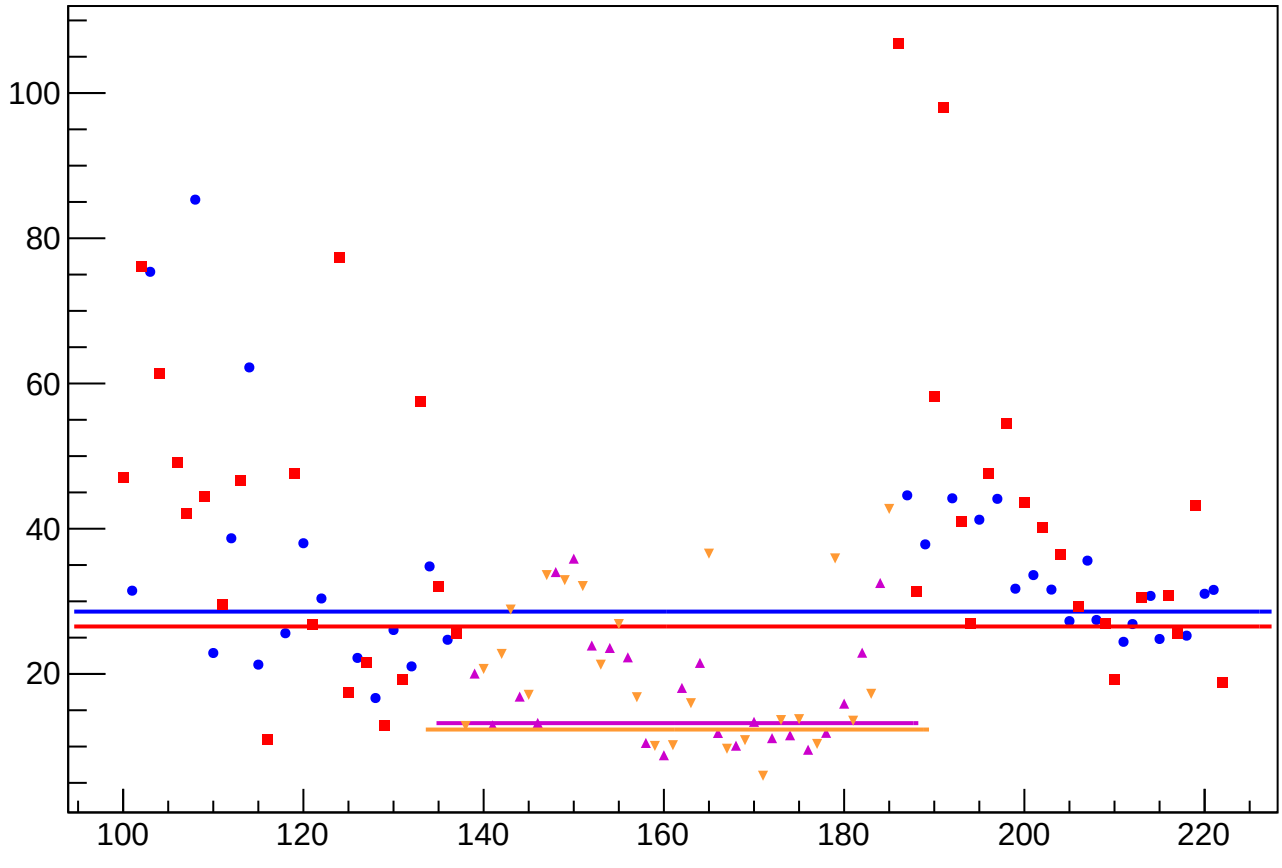
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.005+/-0.005 χ^2/NDF: 91.5/71

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:116.1/62

All: 0.003+/-0.002 χ^2/NDF: 193.3/119



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.536+/-0.005 χ^2/NDF: 6485696.0/37

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

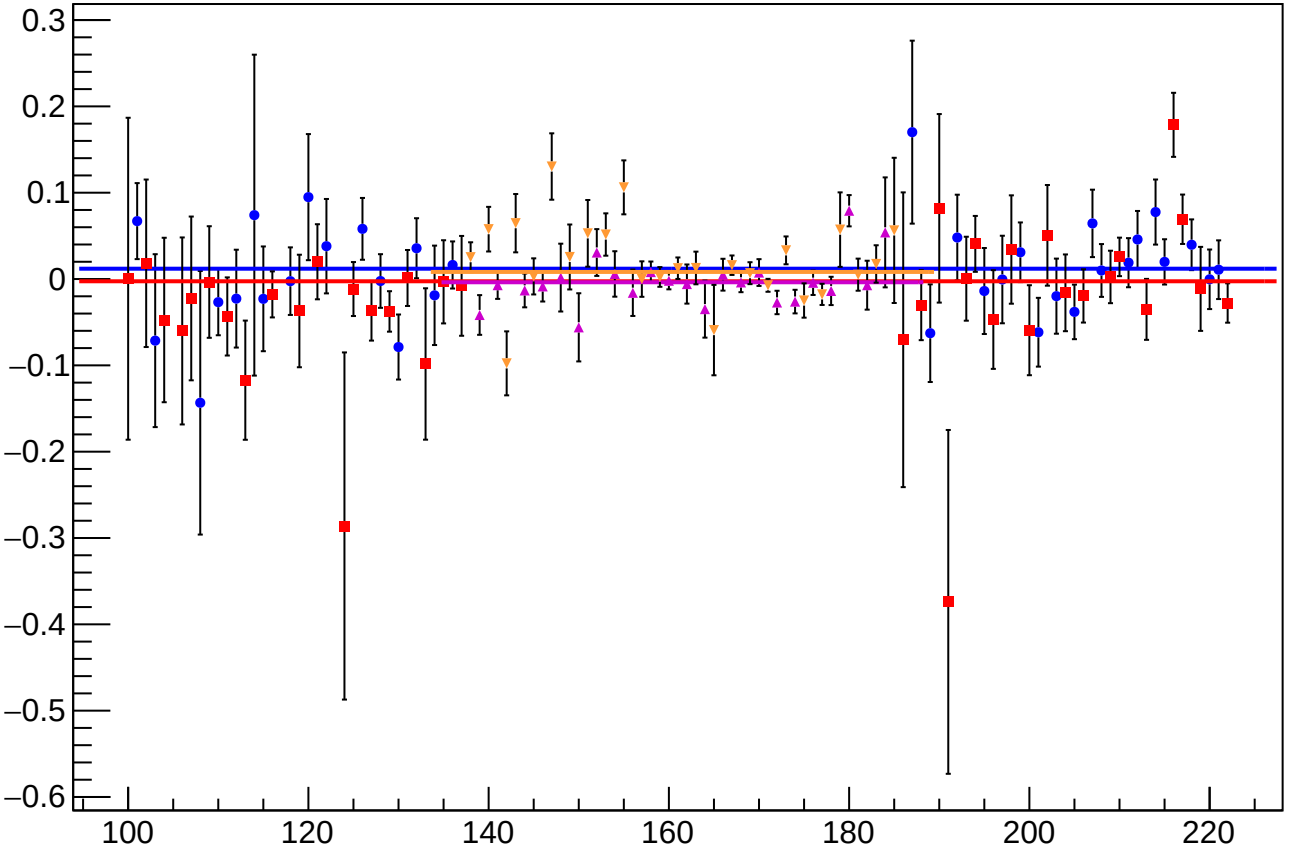
Right: 27.548+/-0.003 χ^2/NDF: 8961980.4/71

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.311+/-0.002 χ^2/NDF:20291352.2/62

All: 15.945+/-0.002 χ^2/NDF: 34658034.6/119

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: -0.003+/-0.007 χ^2/NDF: 55.3/37

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

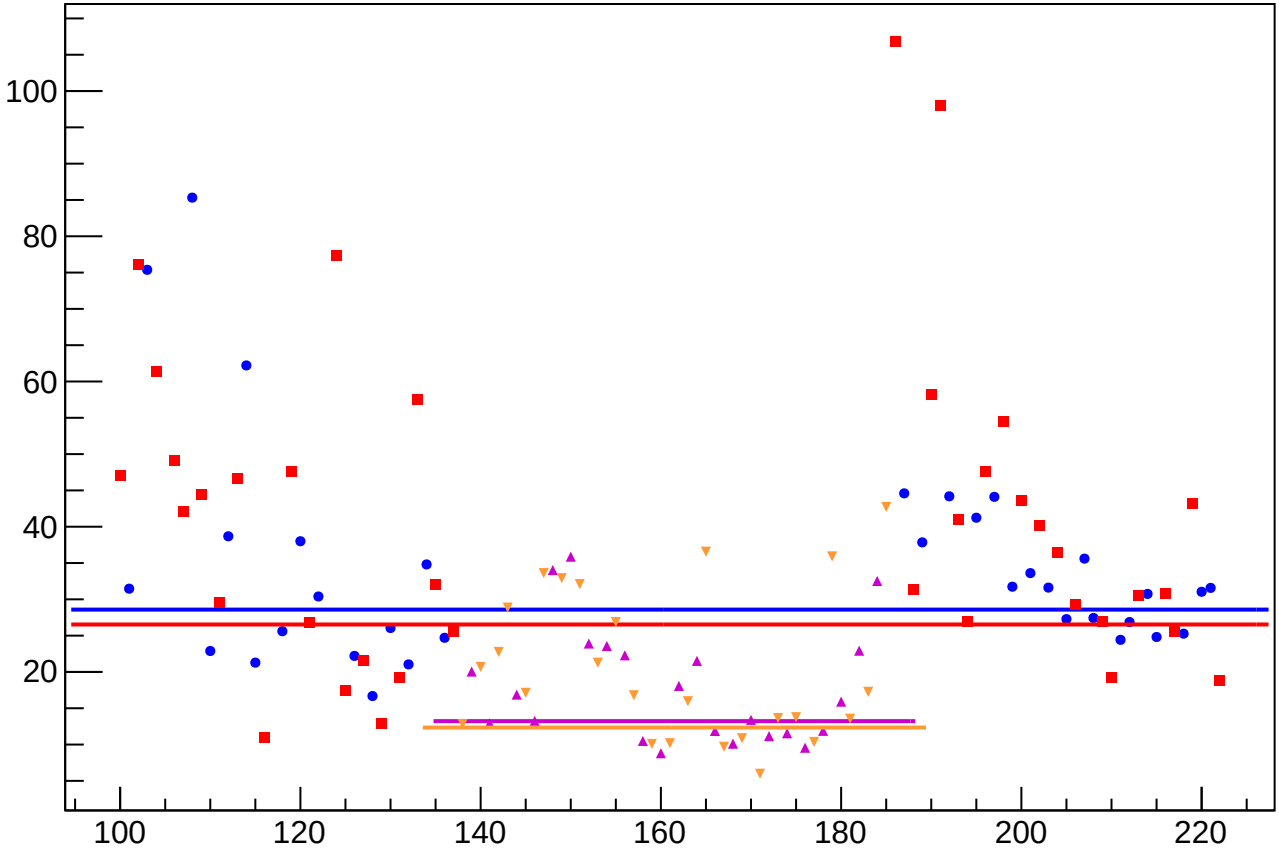
Right: 0.005+/-0.005 χ^2/NDF: 91.5/71

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:116.1/62

All: 0.003+/-0.002 χ^2/NDF: 193.3/119

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.536+/-0.005 χ^2/NDF: 6485696.0/37

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

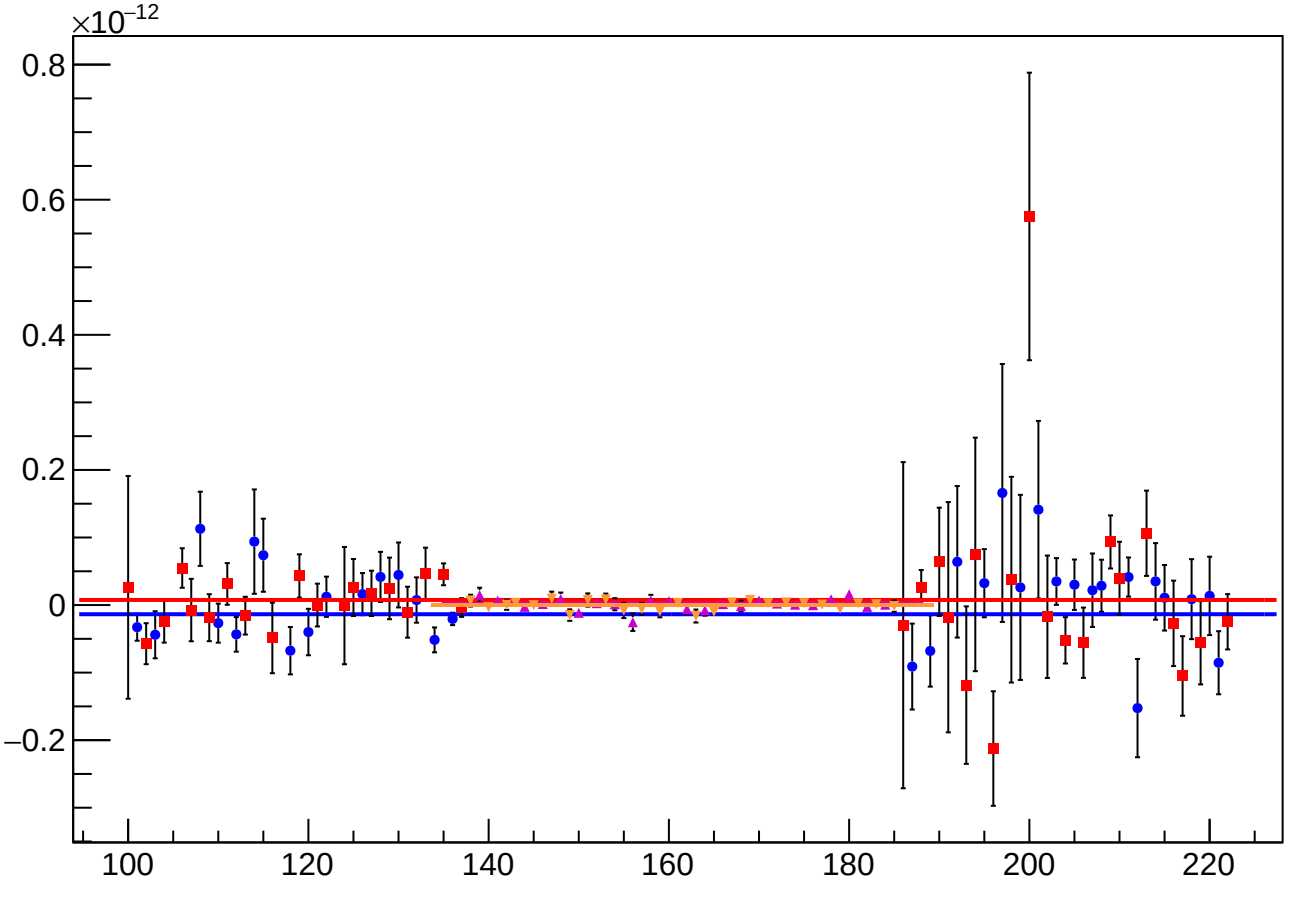
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.548+/-0.003 χ^2/NDF: 8961980.4/71

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.311+/-0.002 χ^2/NDF:20291352.2/62

All: 15.945+/-0.002 χ^2/NDF: 34658034.6/119



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.5/37

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

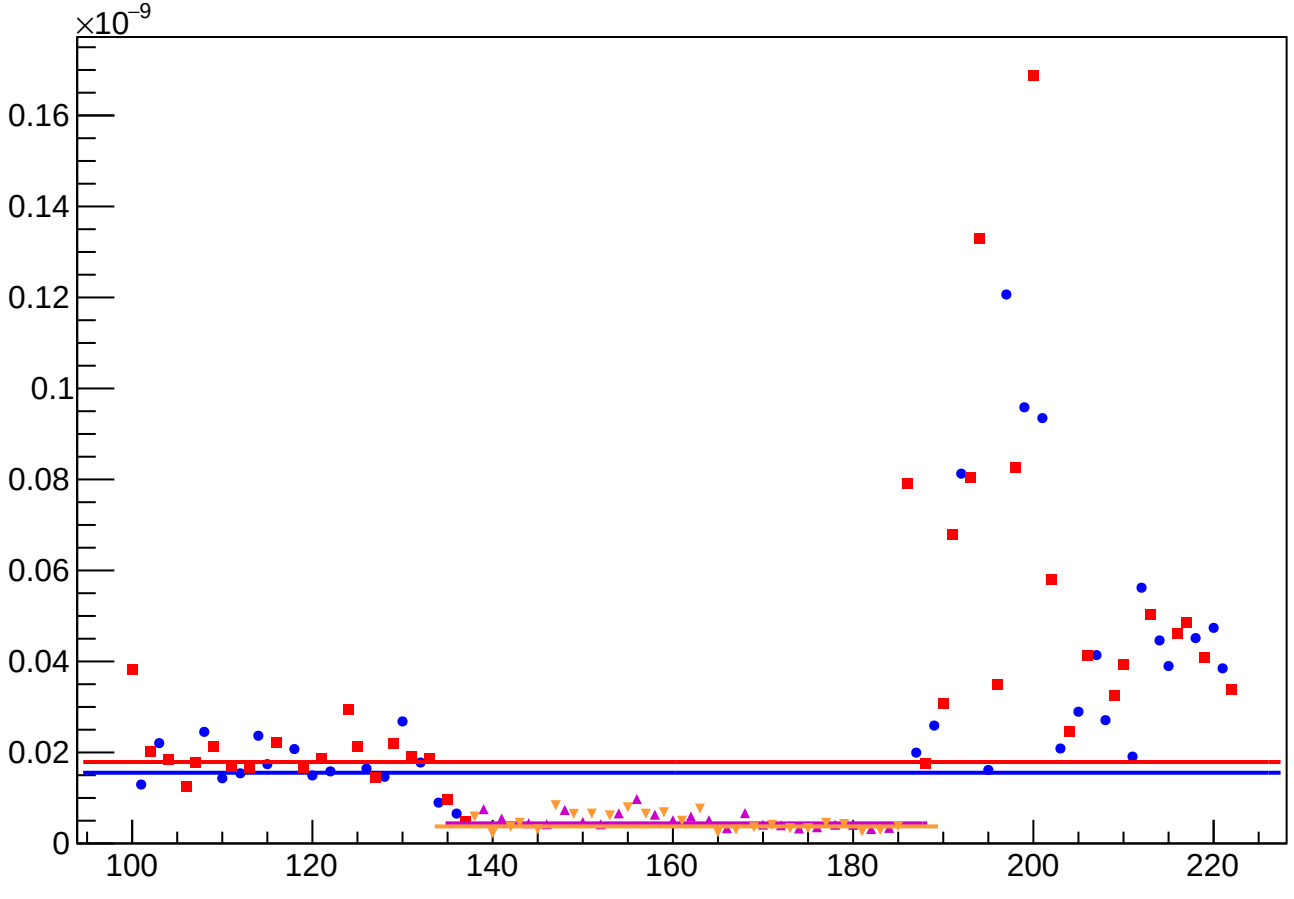
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 110.1/71

In: 0.000+/-0.000 χ^2/NDF:81.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.6/62

All: 0.000+/-0.000 χ^2/NDF: 159.6/119



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: 9315004.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

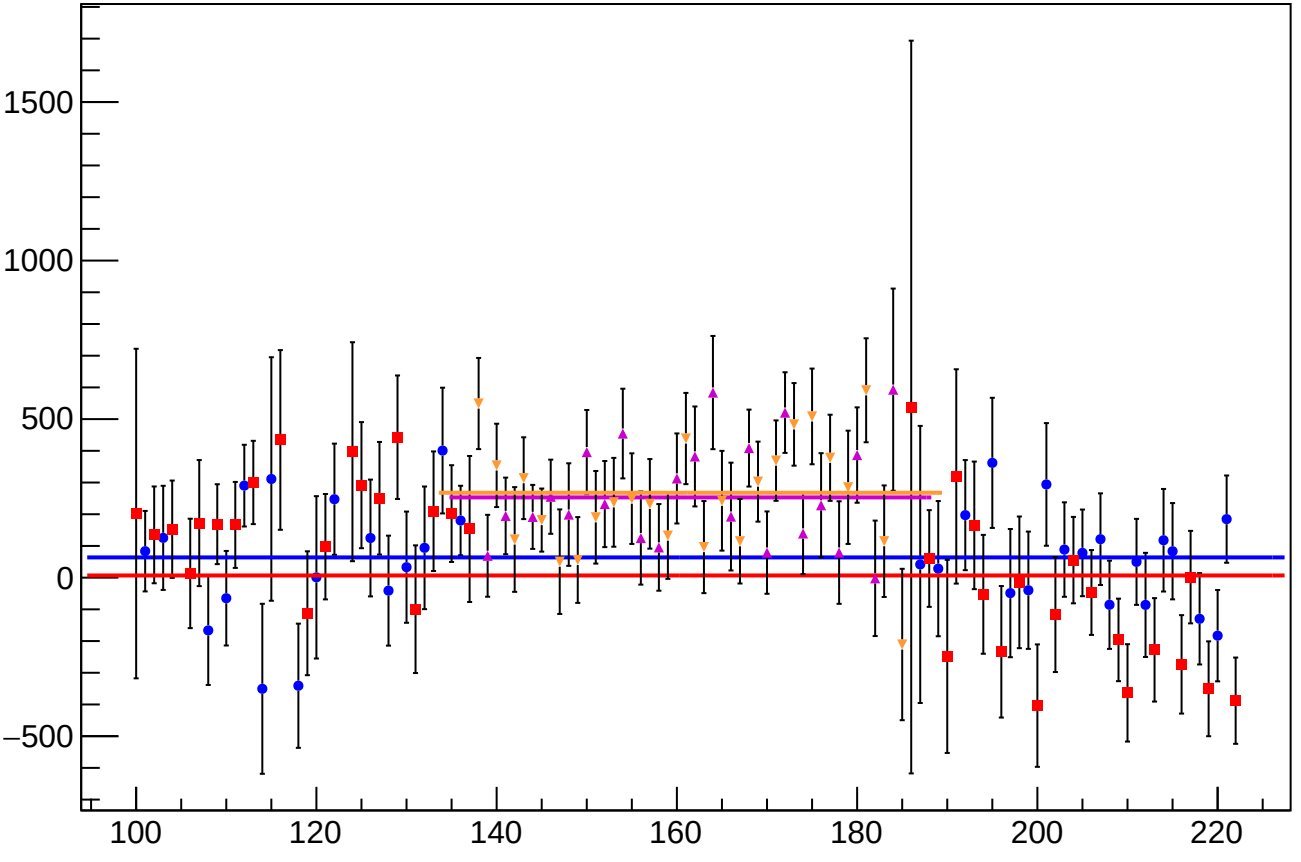
Right: 0.000+/-0.000 χ^2/NDF: 18937954.1/71

In: 0.000+/-0.000 χ^2/NDF:19234272.7/56

Out: 0.000+/-0.000 χ^2/NDF:23135264.8/62

All: 0.000+/-0.000 χ^2/NDF: 42792419.7/119

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: 6.876+/-28.165 χ^2/NDF: 64.1/37

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

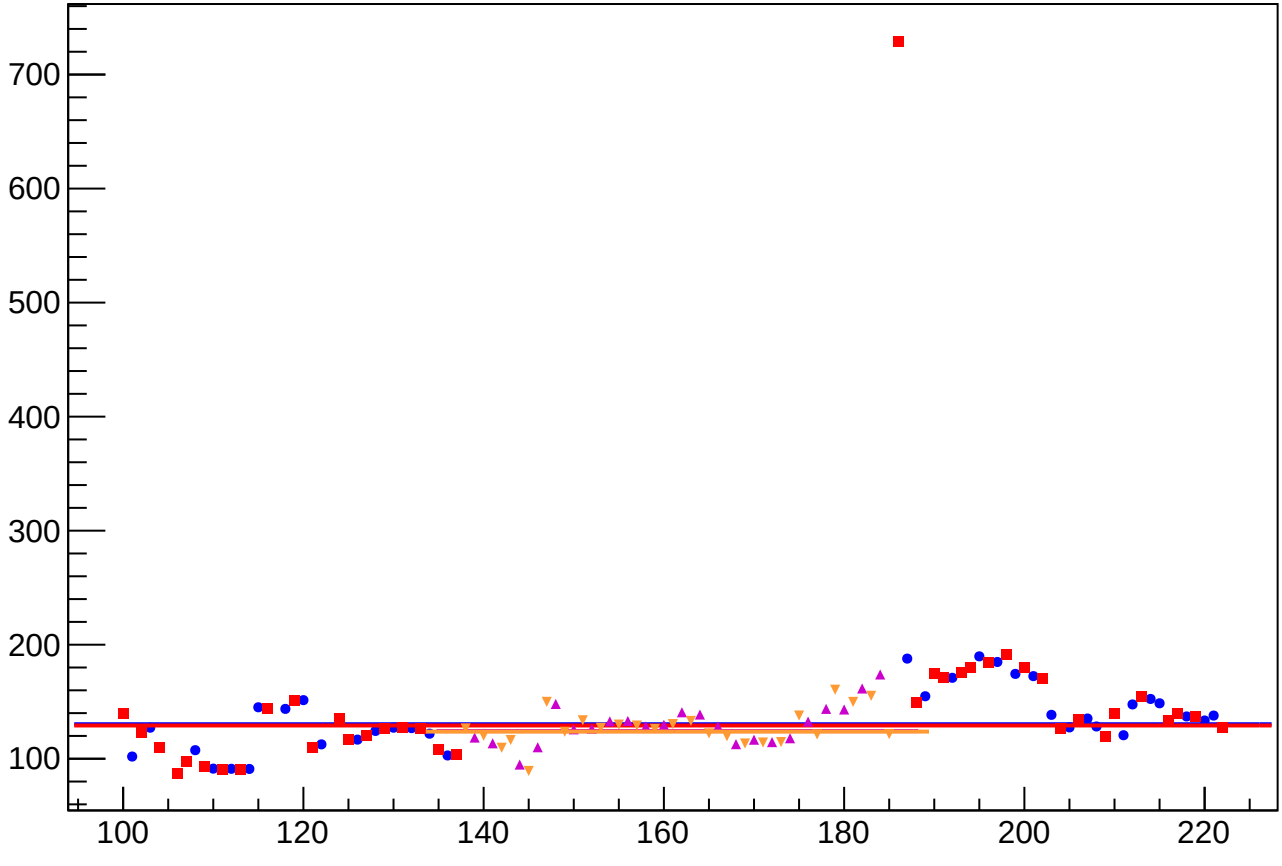
Right: 35.206+/-19.964 χ^2/NDF: 97.3/71

In: 155.117+/-20.361 χ^2/NDF:78.9/56

Out: 136.211+/-20.001 χ^2/NDF:137.6/62

All: 145.495+/-14.268 χ^2/NDF: 217.0/119

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: 129.164+/-0.020 χ^2/NDF: 2405110.6/37

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

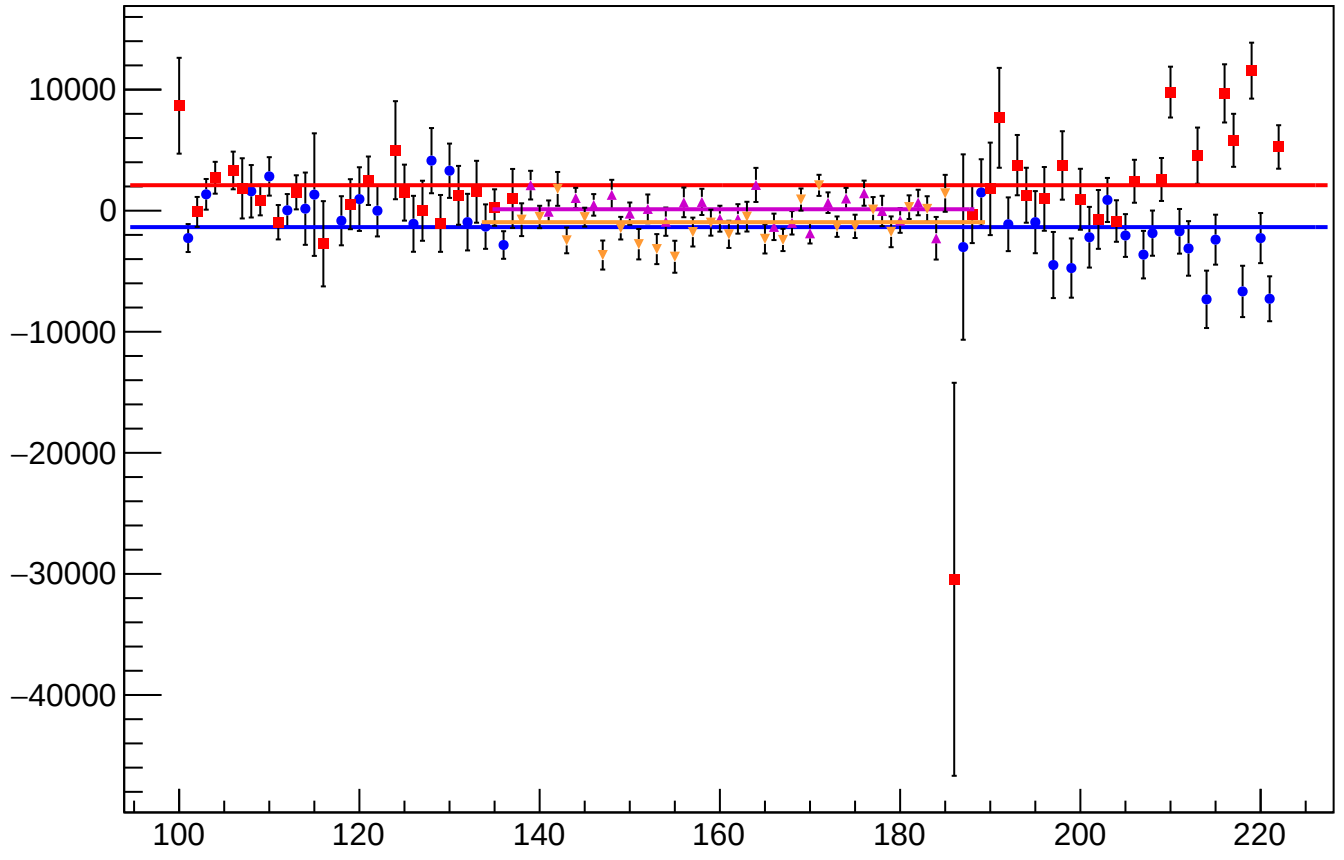
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.711+/-0.014 χ^2/NDF: 3908914.8/71

In: 127.366+/-0.014 χ^2/NDF:2102937.5/56

Out: 126.509+/-0.014 χ^2/NDF:3039418.1/62

All: 126.930+/-0.010 χ^2/NDF: 5144161.9/119



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: 2104.604+/-331.258 χ^2/NDF: 79.8/37

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

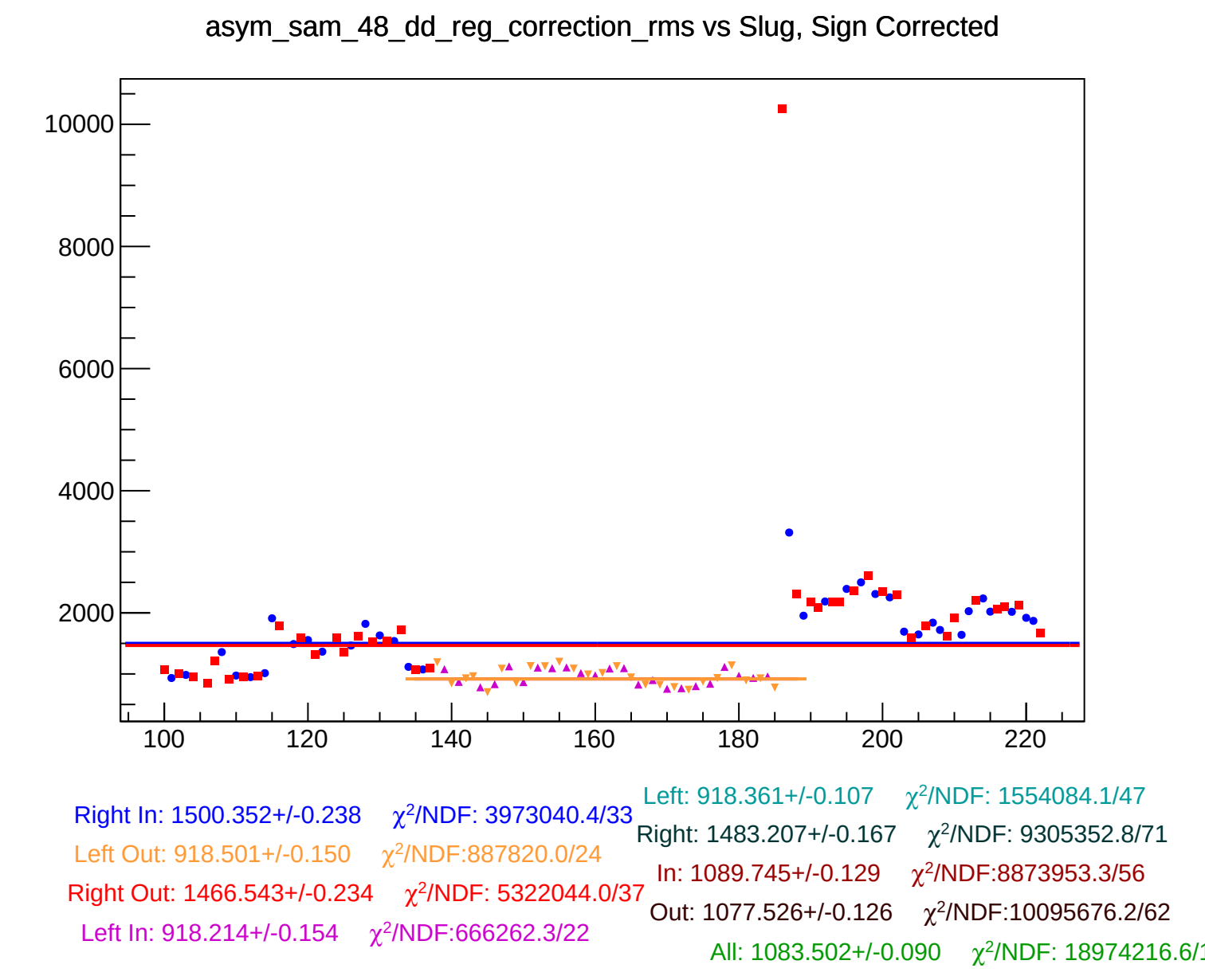
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

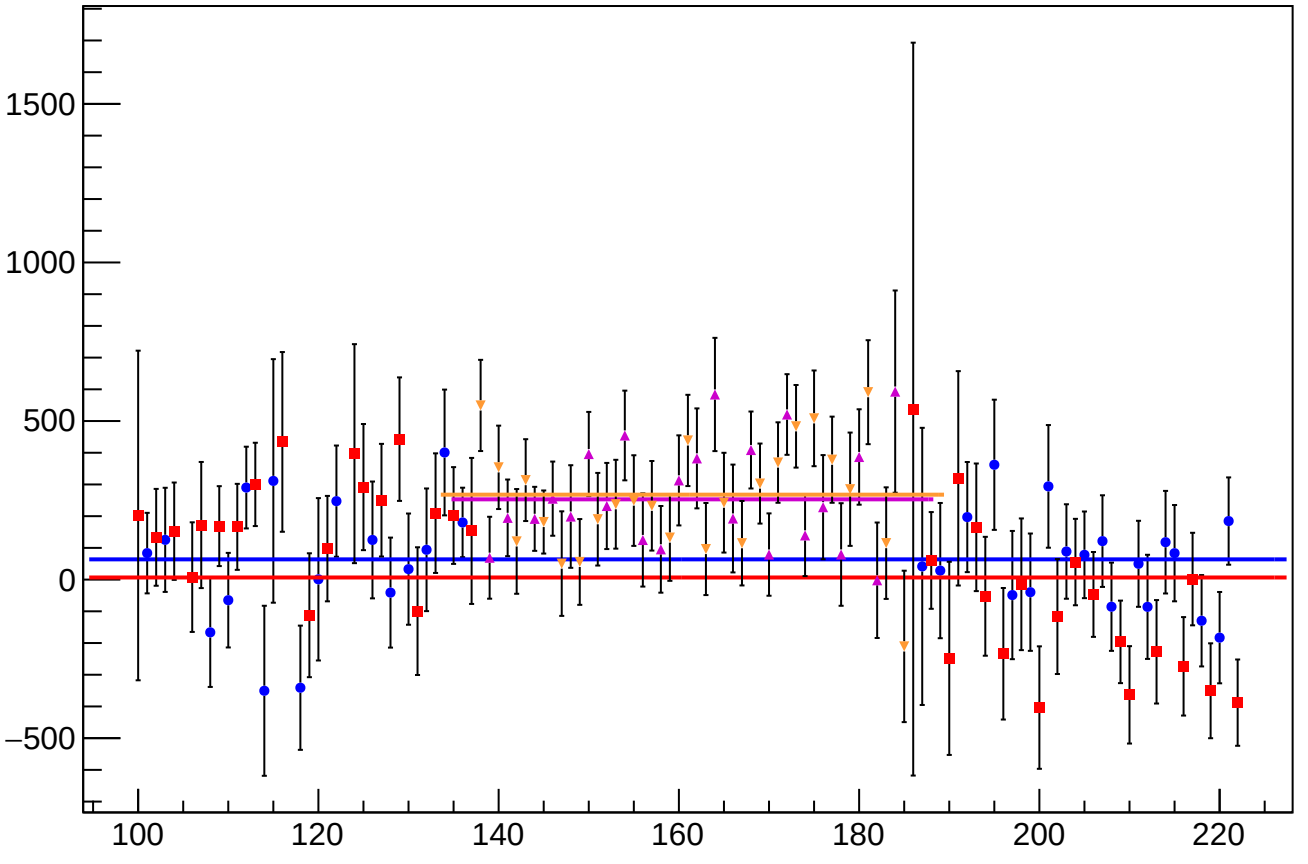
Right: 398.246+/-235.891 χ^2/NDF: 192.2/71

In: -316.391+/-182.386 χ^2/NDF:96.5/56

Out: -62.033+/-178.439 χ^2/NDF:190.3/62

All: -186.431+/-127.548 χ^2/NDF: 287.9/119


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1500.352+/-0.238 χ²/NDF: 3973040.4/33
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1466.543+/-0.234 χ²/NDF: 5322044.0/37
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1483.207+/-0.167 χ²/NDF: 9305352.8/71
In: 1089.745+/-0.129 χ²/NDF:8873953.3/56
Out: 1077.526+/-0.126 χ²/NDF:10095676.2/62
All: 1083.502+/-0.090 χ²/NDF: 18974216.6/1



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 6.674+/-28.167 χ^2/NDF: 64.0/37

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

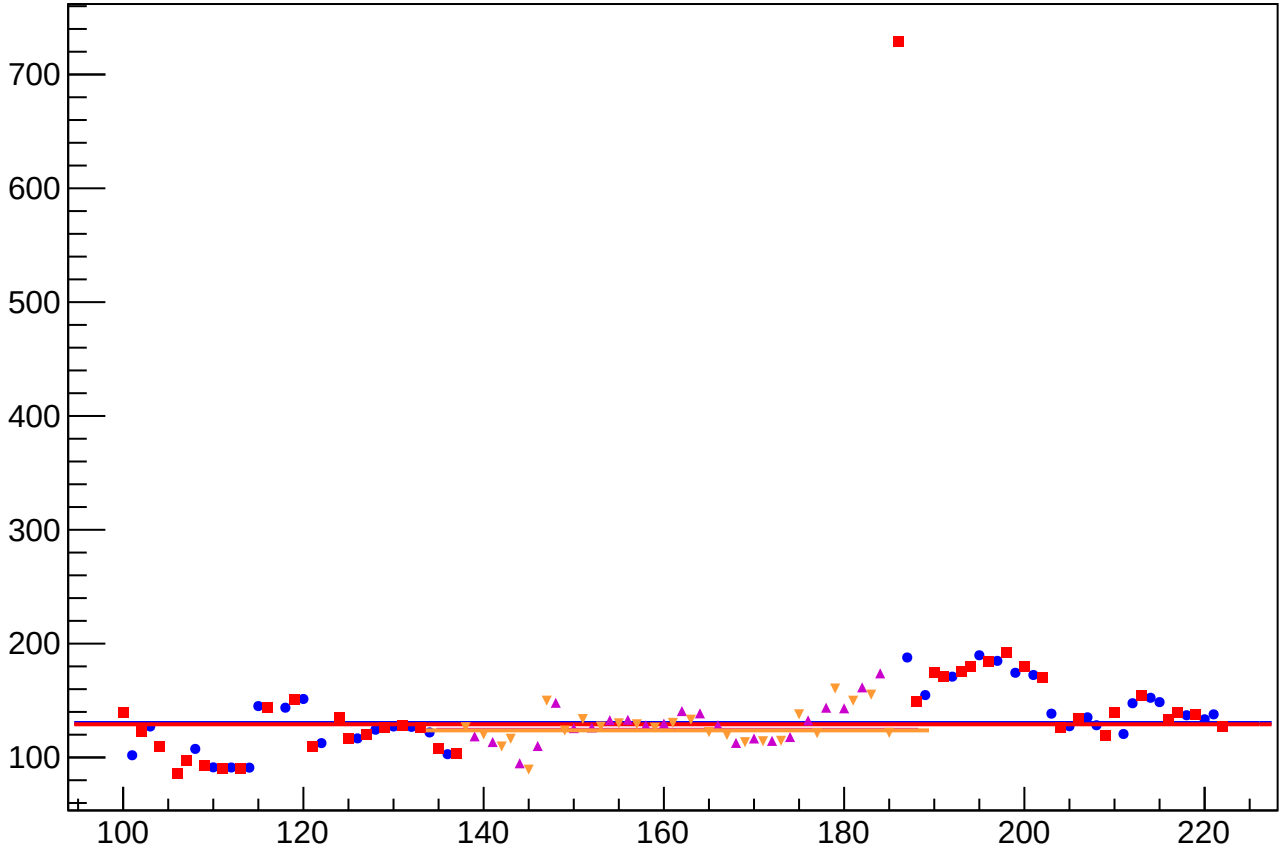
Right: 35.104+/-19.965 χ^2/NDF: 97.2/71

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 136.123+/-20.002 χ^2/NDF:137.6/62

All: 145.450+/-14.269 χ^2/NDF: 217.0/119

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: 129.140+/-0.020 χ^2/NDF: 2411165.6/37

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

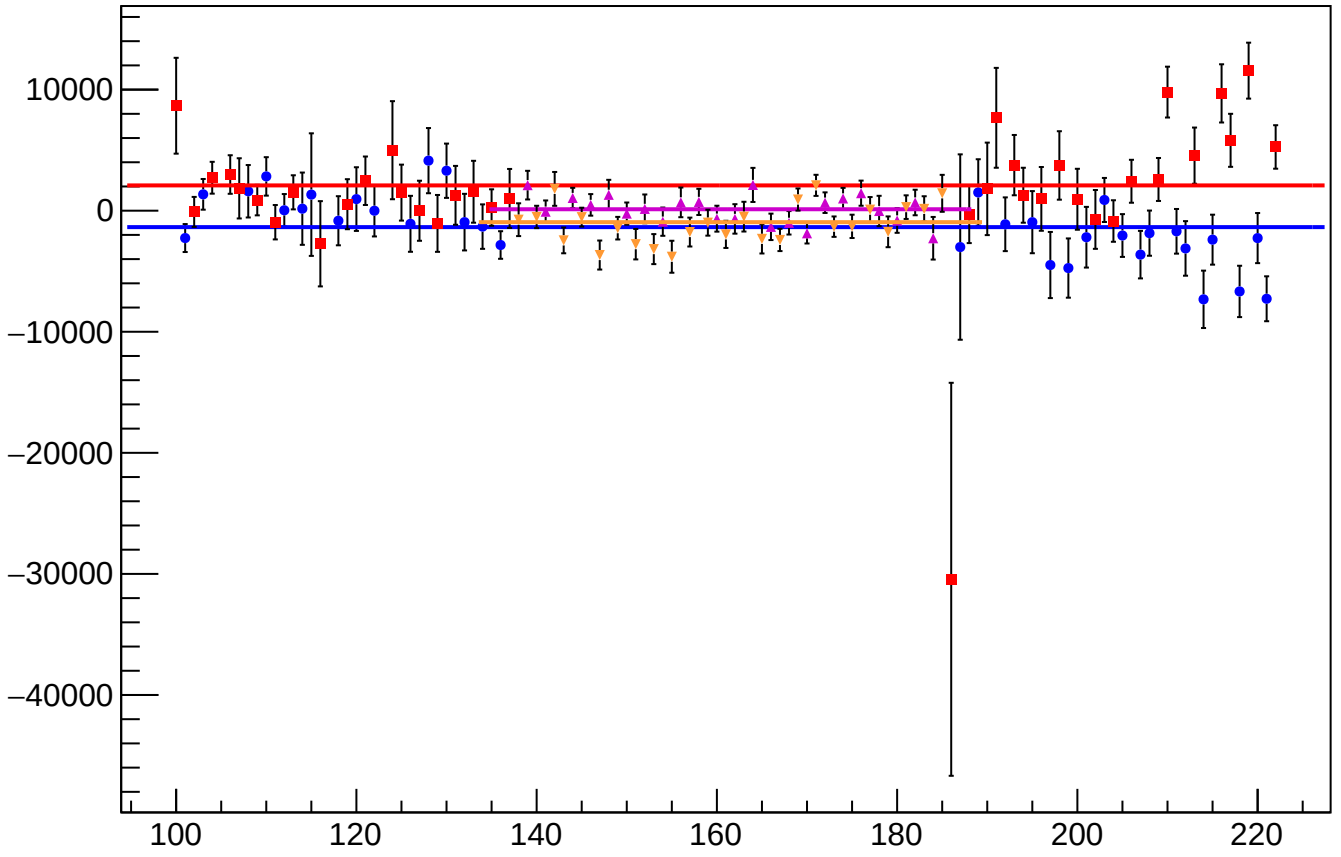
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.699+/-0.014 χ^2/NDF: 3915037.4/71

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.496+/-0.014 χ^2/NDF:3045145.6/62

All: 126.924+/-0.010 χ^2/NDF: 5149942.3/119



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: 2087.882+/-331.610 χ^2/NDF: 79.5/37

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

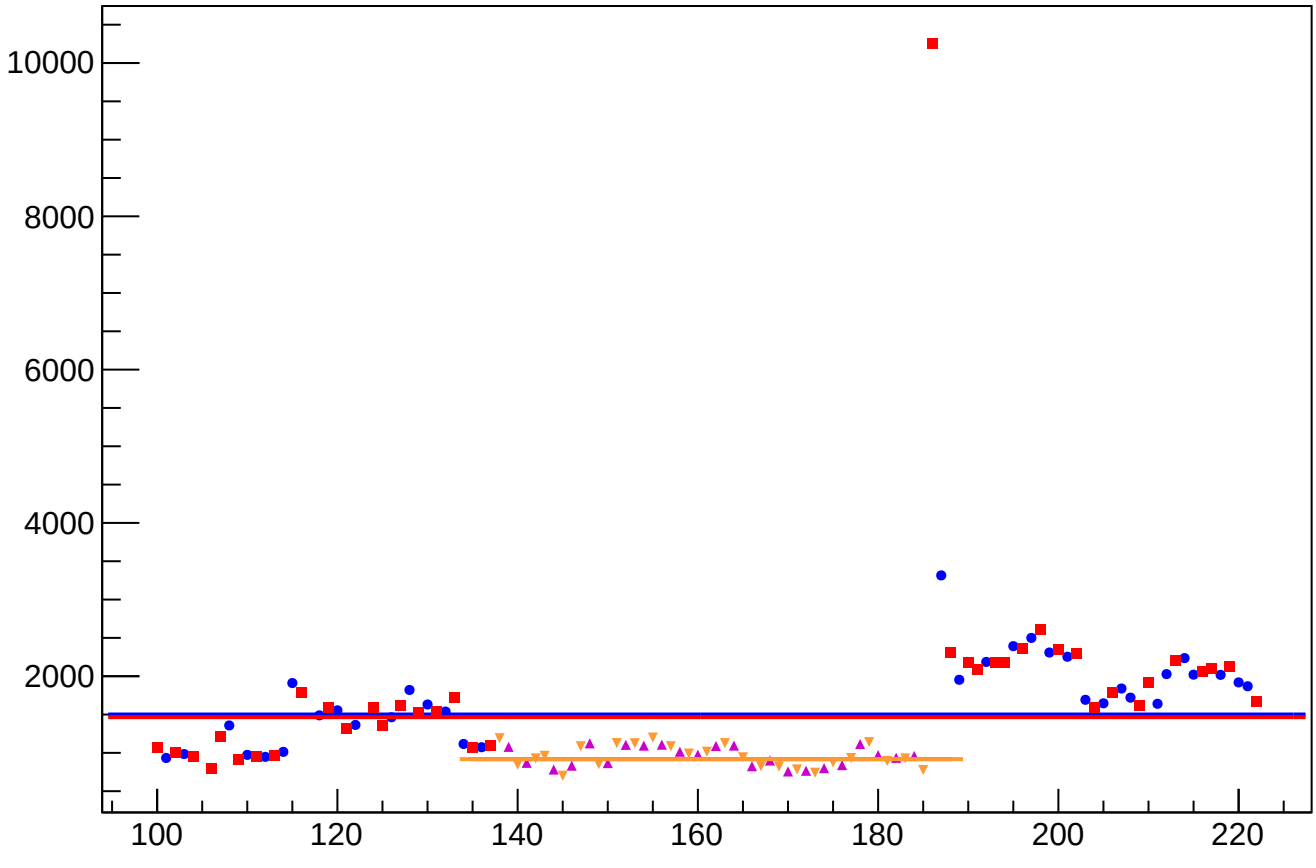
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 387.912+/-236.019 χ^2/NDF: 191.3/71

In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -68.208+/-178.494 χ^2/NDF:189.3/62

All: -189.630+/-127.568 χ^2/NDF: 286.8/119



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1465.688+/-0.234 χ^2/NDF: 5358316.1/37

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

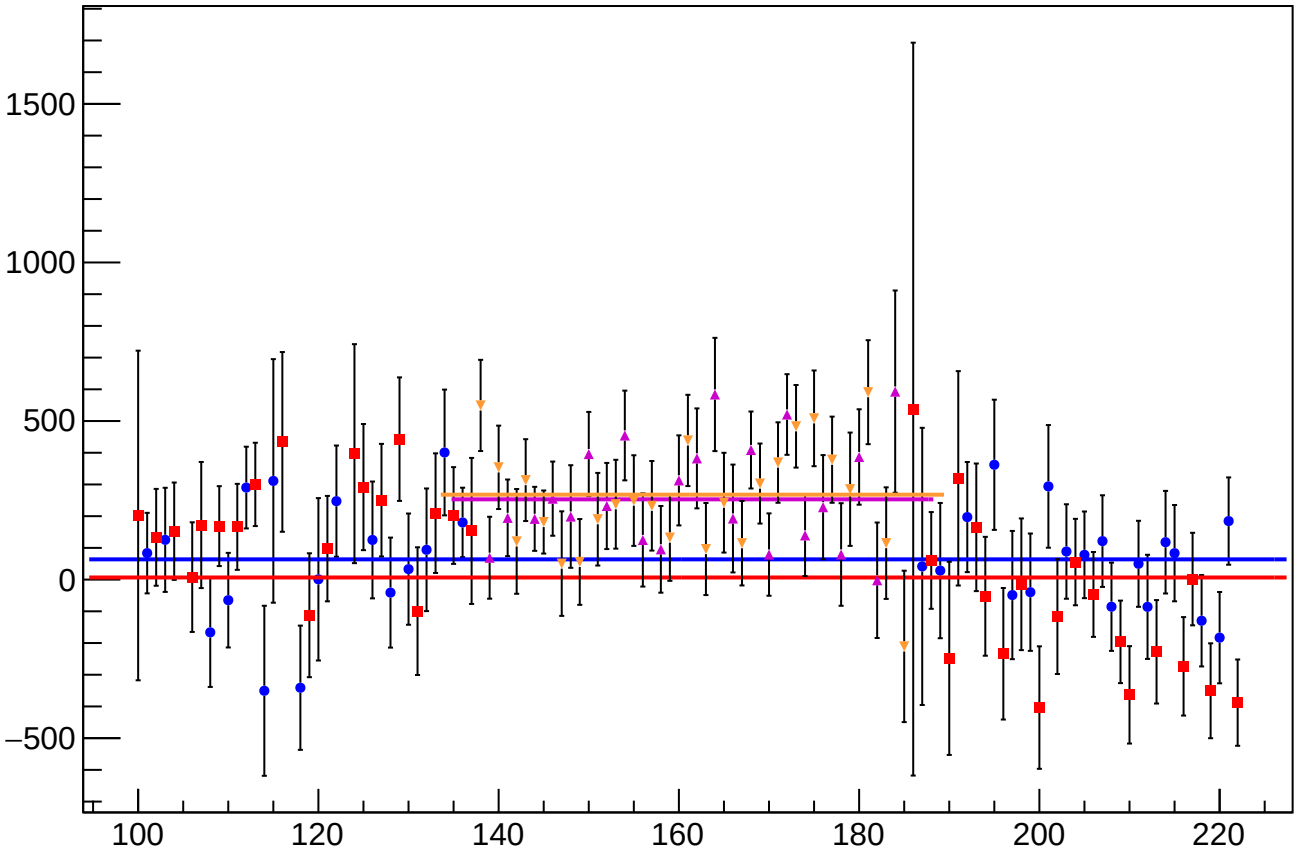
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1482.796+/-0.167 χ^2/NDF: 9342032.0/71

In: 1089.747+/-0.129 χ^2/NDF:8873936.5/56

Out: 1077.038+/-0.126 χ^2/NDF:10113980.7/62

All: 1083.255+/-0.090 χ^2/NDF: 18992877.6/1



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 6.674+/-28.167 χ^2/NDF: 64.0/37

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

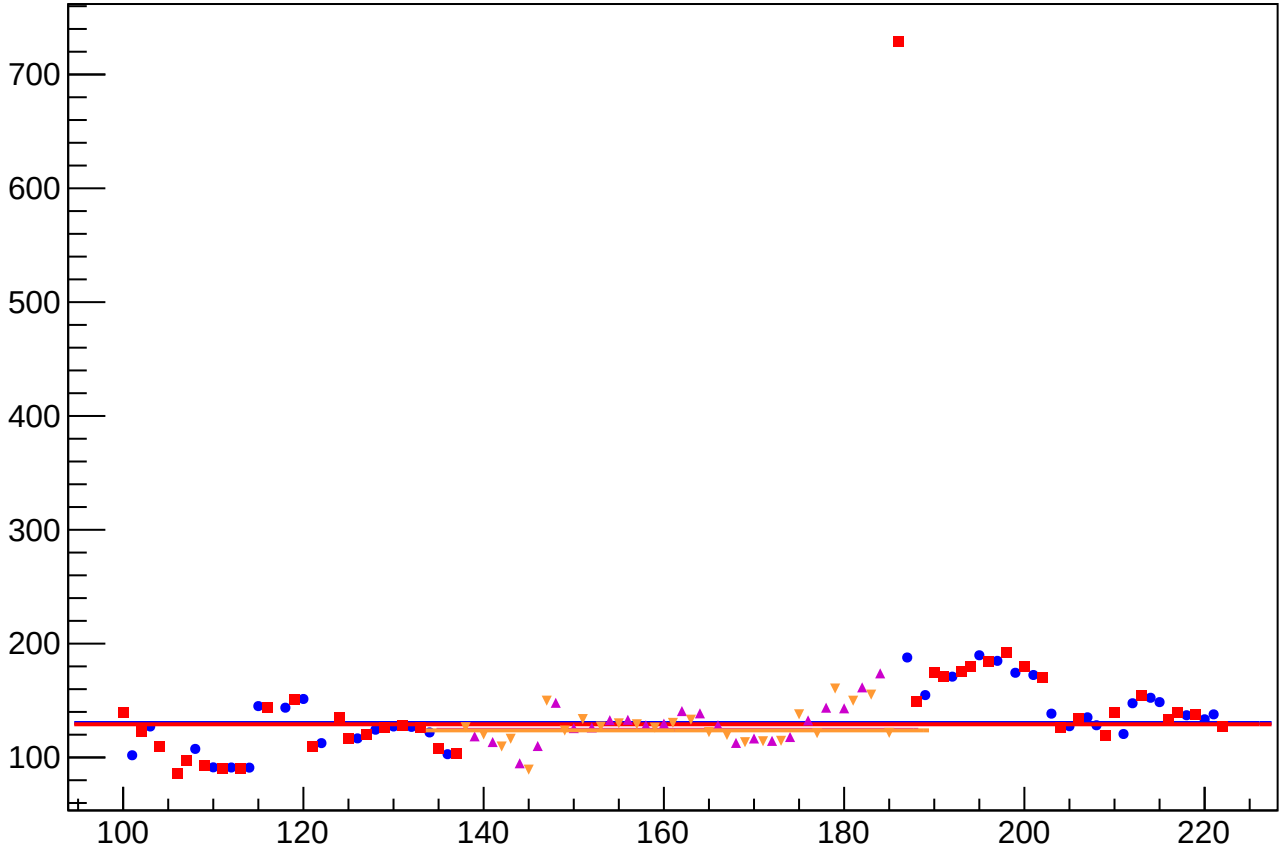
Right: 35.104+/-19.965 χ^2/NDF: 97.2/71

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 136.123+/-20.002 χ^2/NDF:137.6/62

All: 145.450+/-14.269 χ^2/NDF: 217.0/119

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: 129.140+/-0.020 χ^2/NDF: 2411165.6/37

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

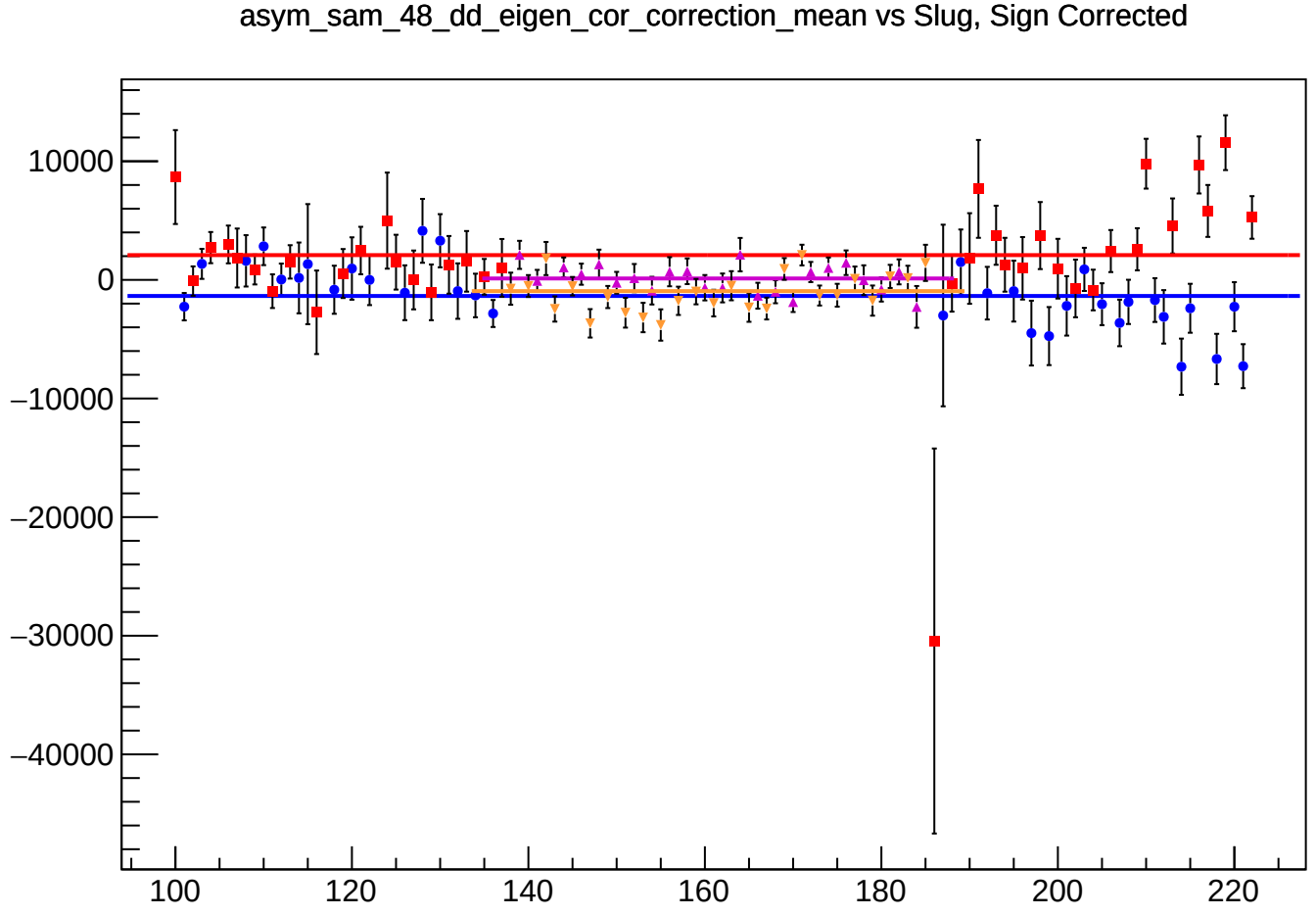
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.699+/-0.014 χ^2/NDF: 3915037.4/71

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.496+/-0.014 χ^2/NDF:3045145.6/62

All: 126.924+/-0.010 χ^2/NDF: 5149942.3/119



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: 2087.882+/-331.610 χ^2/NDF: 79.5/37

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

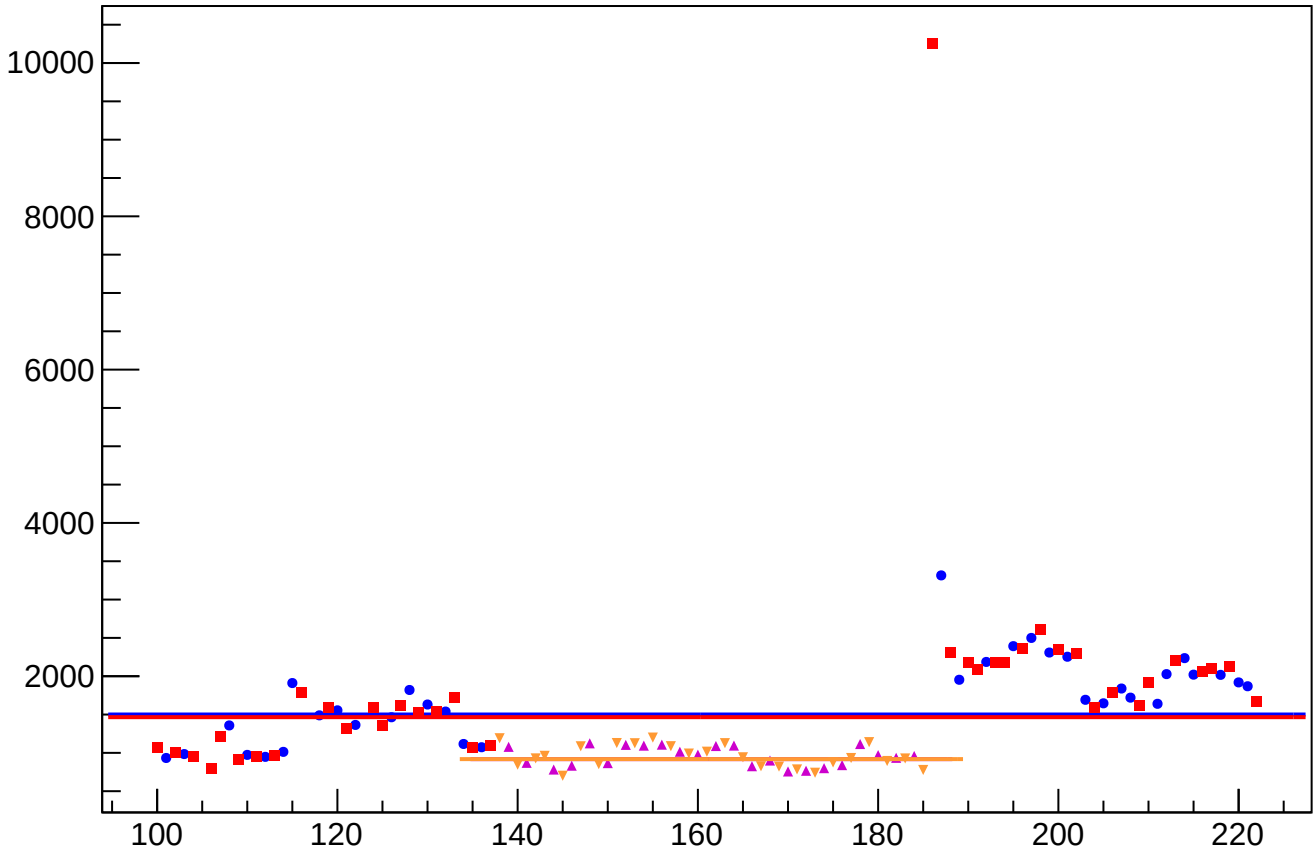
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 387.912+/-236.019 χ^2/NDF: 191.3/71

In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -68.208+/-178.494 χ^2/NDF:189.3/62

All: -189.630+/-127.568 χ^2/NDF: 286.8/119



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1465.688+/-0.234 χ^2/NDF: 5358316.1/37

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

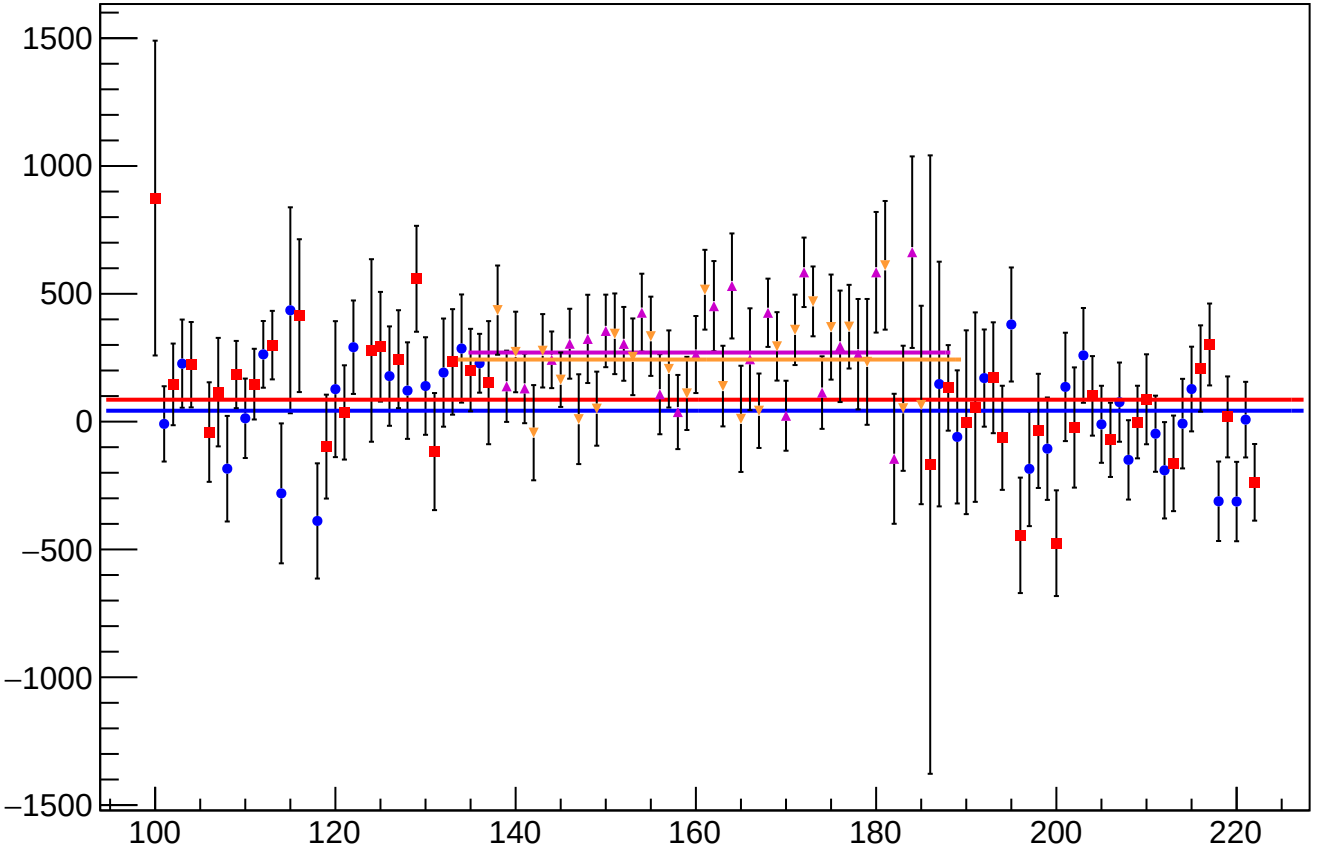
Right: 1482.796+/-0.167 χ^2/NDF: 9342032.0/71

In: 1089.747+/-0.129 χ^2/NDF:8873936.5/56

Out: 1077.038+/-0.126 χ^2/NDF:10113980.7/62

All: 1083.255+/-0.090 χ^2/NDF: 18992877.6/1

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: 85.820+/-30.560 χ^2/NDF: 42.1/37

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

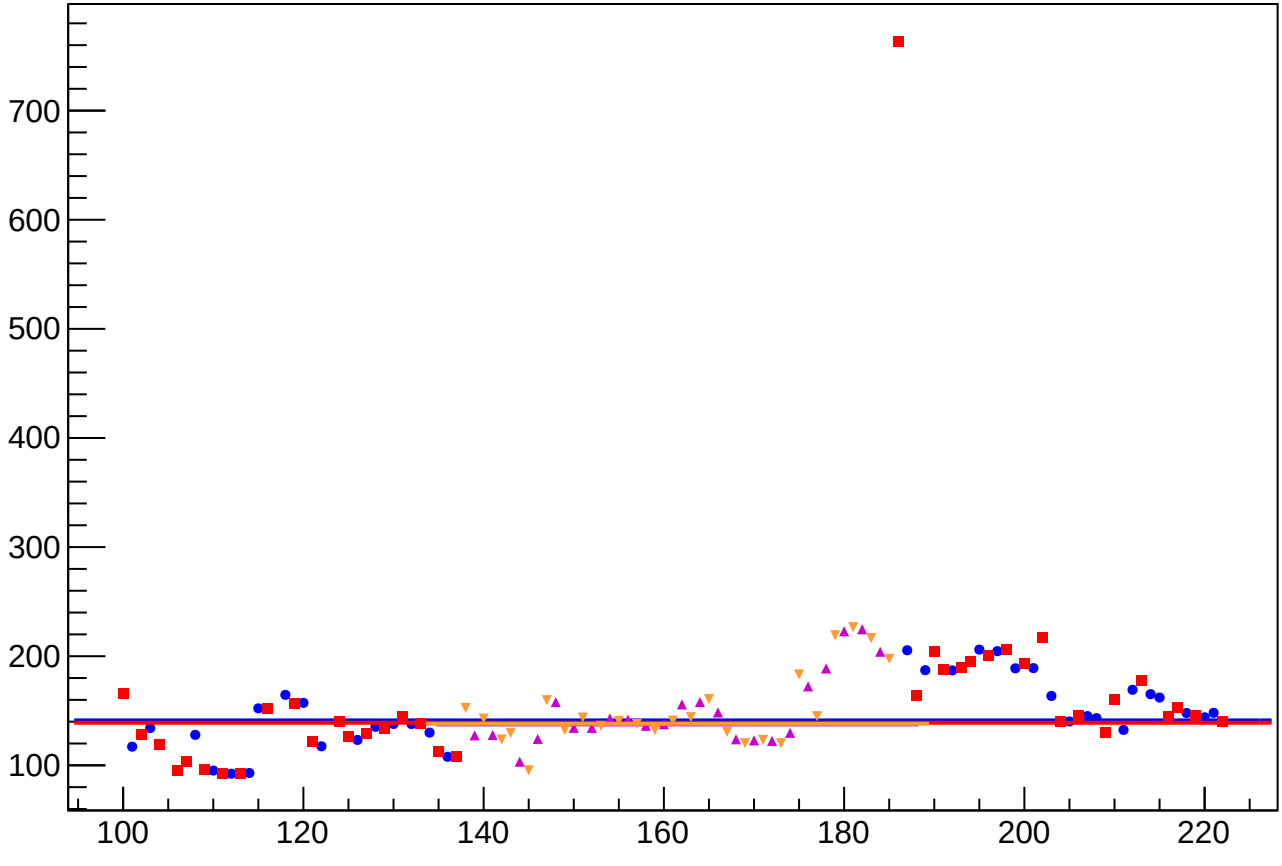
Right: 64.461+/-21.716 χ^2/NDF: 82.2/71

In: 149.227+/-22.508 χ^2/NDF:91.3/56

Out: 160.402+/-22.146 χ^2/NDF:78.3/62

All: 154.905+/-15.786 χ^2/NDF: 169.7/119

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 141.150+/-0.022 χ^2/NDF: 1760278.6/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 139.038+/-0.022 χ^2/NDF: 2784745.7/37

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

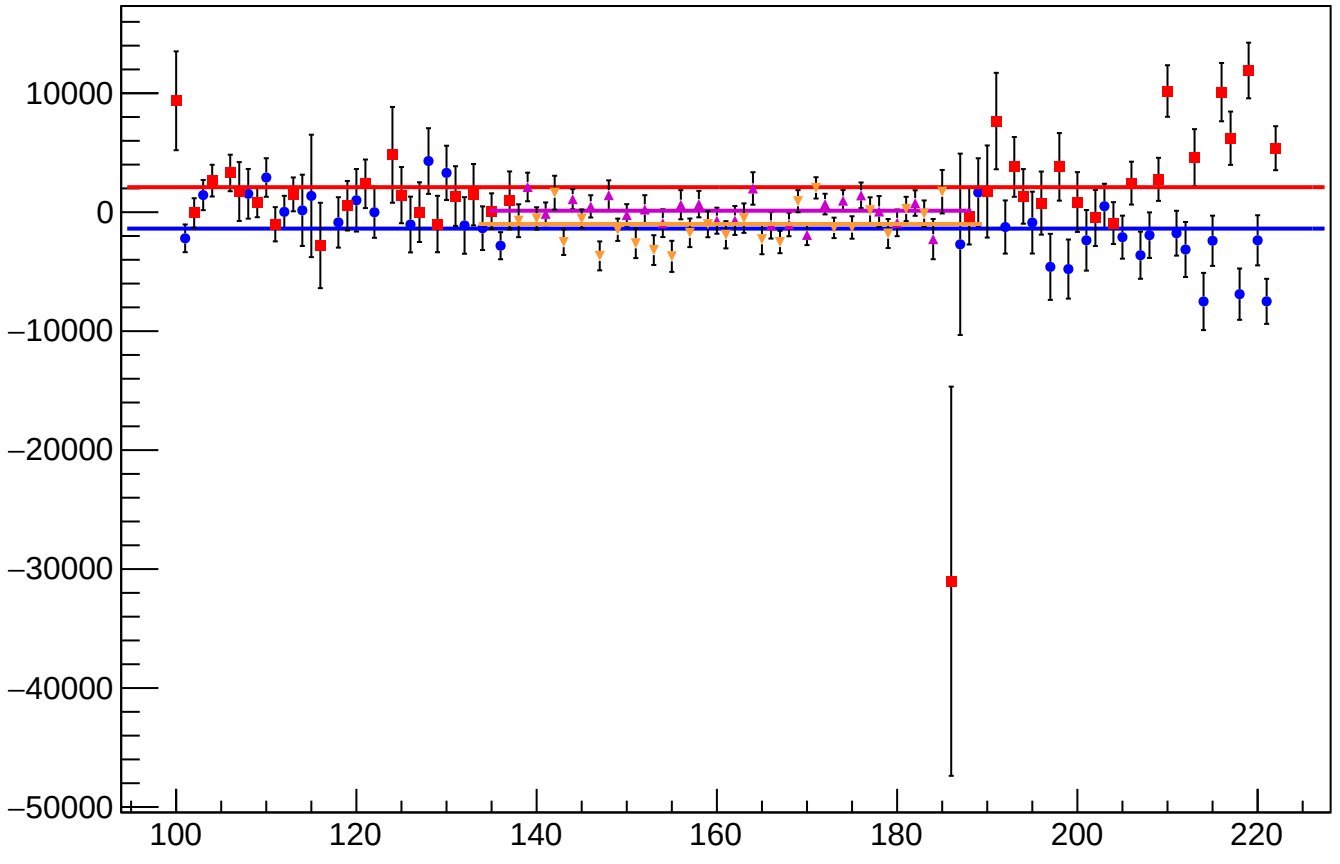
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 140.083+/-0.015 χ^2/NDF: 4549754.5/71

In: 139.437+/-0.016 χ^2/NDF:2882769.8/56

Out: 138.605+/-0.016 χ^2/NDF:4123896.8/62

All: 139.014+/-0.011 χ^2/NDF: 7008053.4/119



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: 2102.510+/-334.533 χ^2/NDF: 82.8/37

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

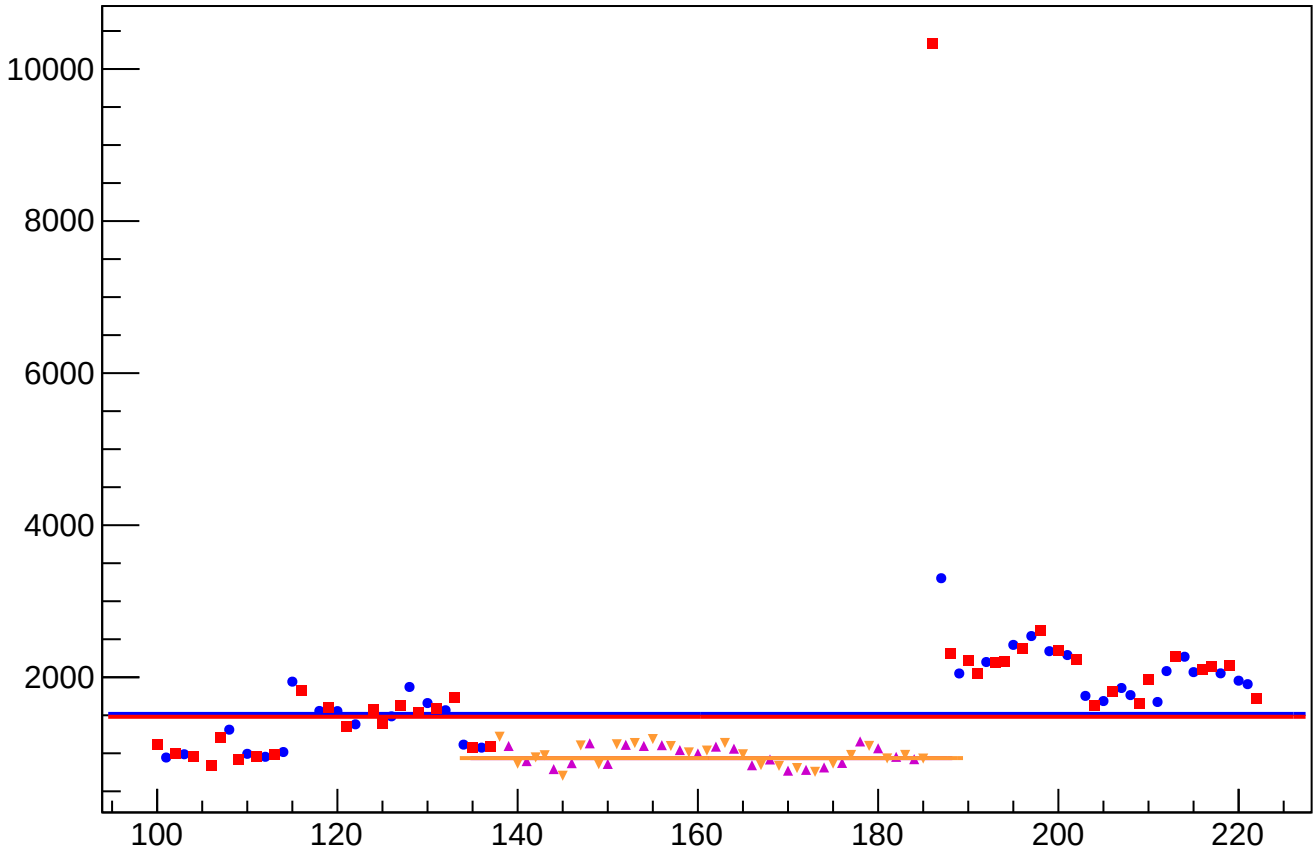
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 391.912+/-238.611 χ^2/NDF: 195.0/71

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -84.436+/-181.255 χ^2/NDF:190.3/62

All: -200.525+/-129.670 χ^2/NDF: 287.7/119



Right In: 1518.083+/-0.241 χ^2/NDF: 4118221.3/33

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1480.214+/-0.237 χ^2/NDF: 5393202.7/37

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

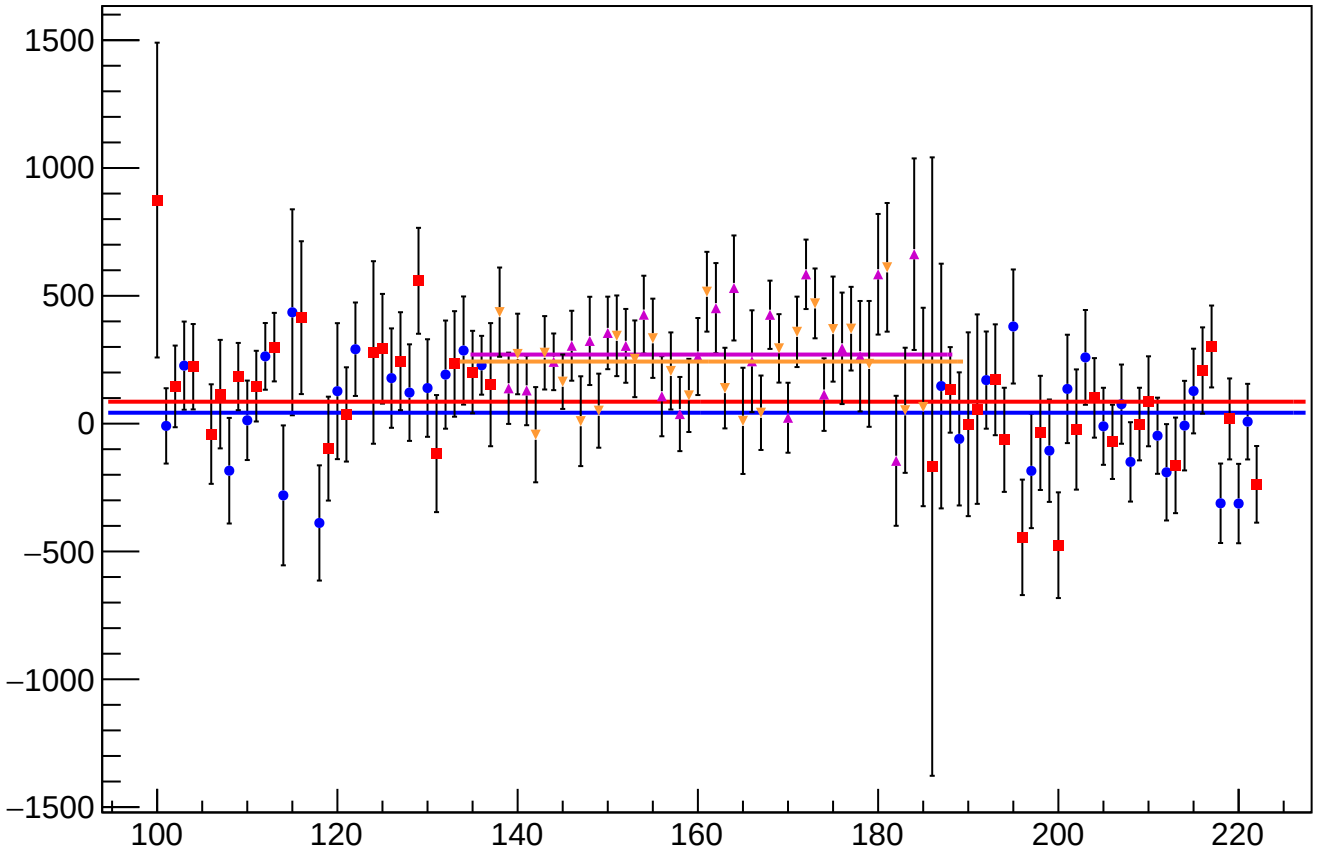
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1498.817+/-0.169 χ^2/NDF: 9524013.7/71

In: 1109.242+/-0.131 χ^2/NDF:8864955.5/56

Out: 1096.287+/-0.128 χ^2/NDF:9954529.3/62

All: 1102.612+/-0.092 χ^2/NDF: 18824473.0/1



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: 85.818+/-30.560 χ^2/NDF: 42.1/37

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

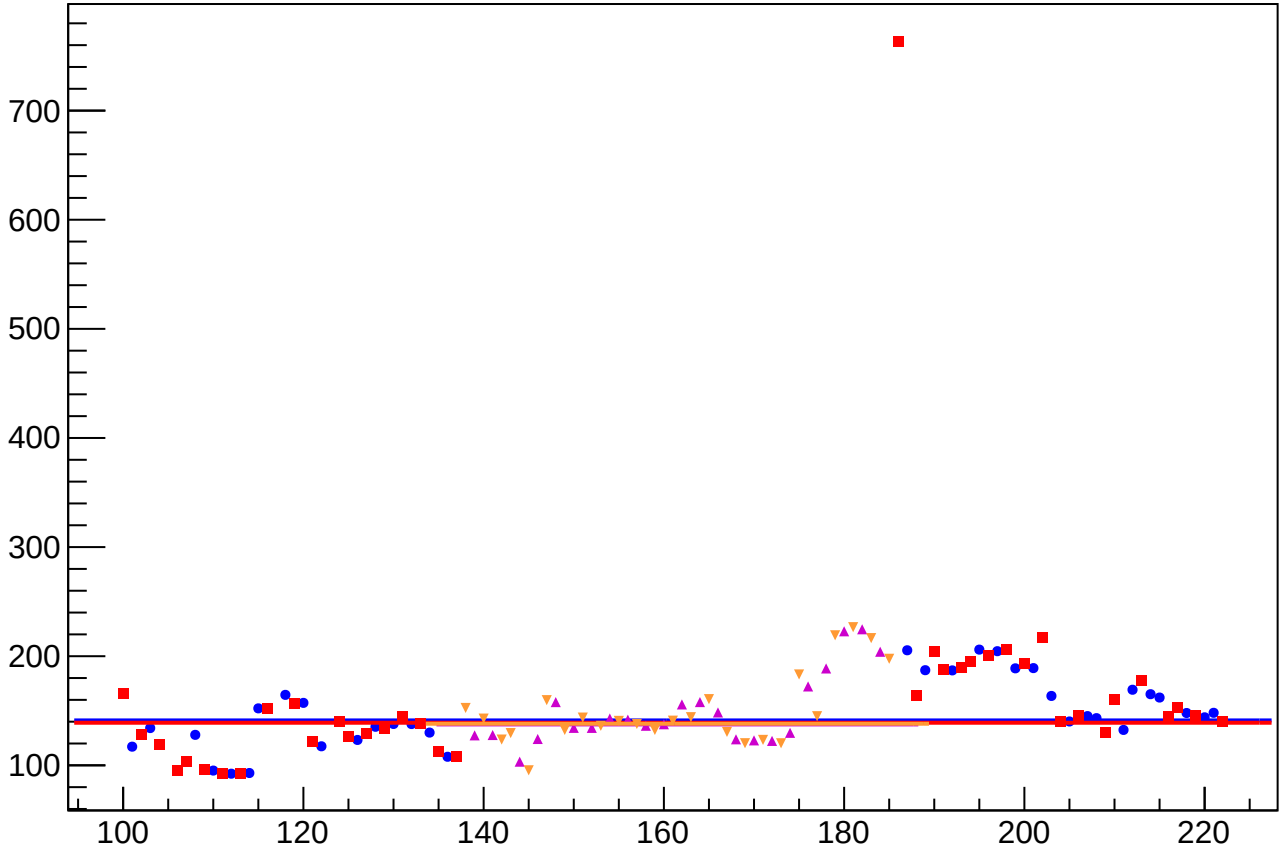
Right: 64.461+/-21.716 χ^2/NDF: 82.2/71

In: 149.229+/-22.508 χ^2/NDF:91.3/56

Out: 160.402+/-22.146 χ^2/NDF:78.3/62

All: 154.906+/-15.786 χ^2/NDF: 169.7/119

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 141.150+/-0.022 χ^2/NDF: 1760258.9/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 139.037+/-0.022 χ^2/NDF: 2784748.6/37

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

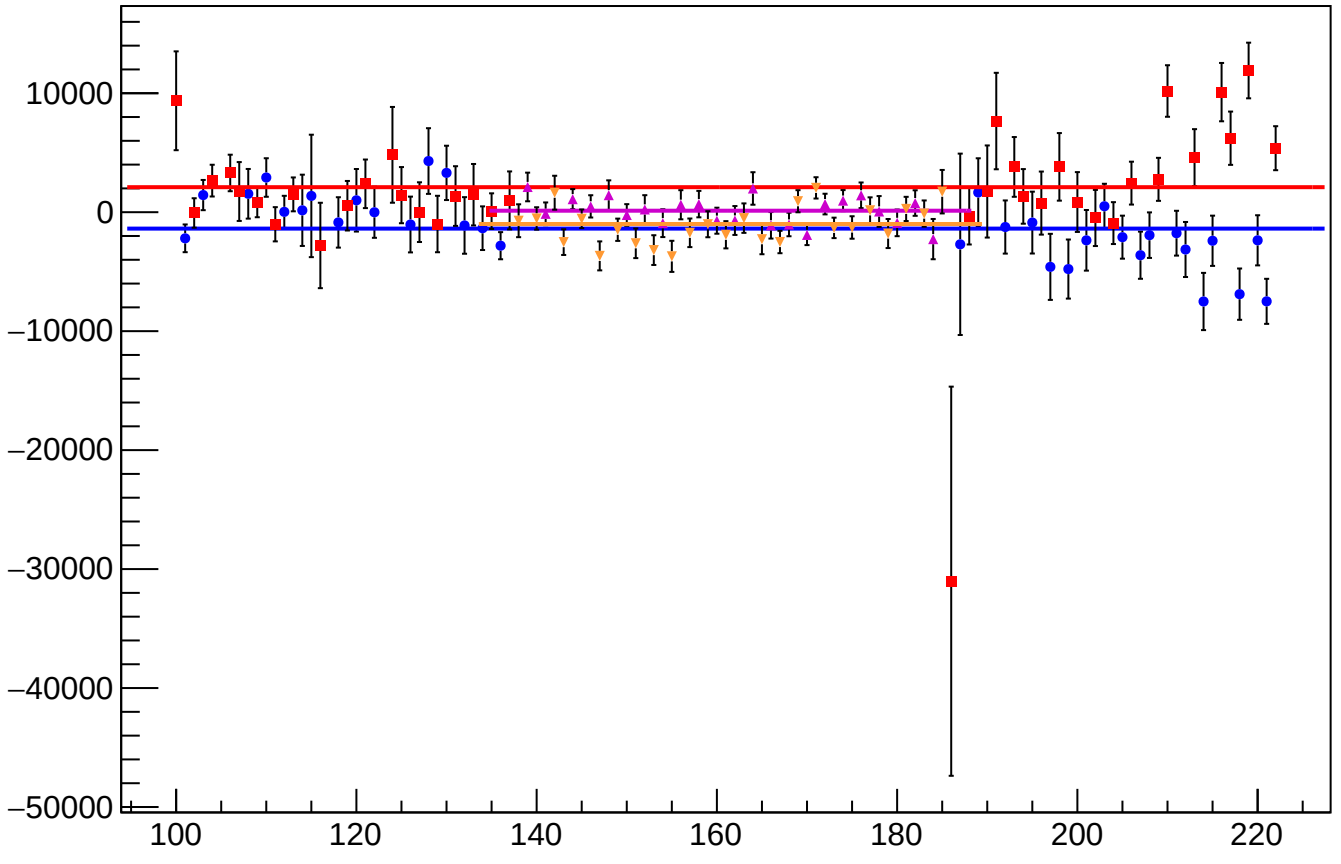
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 140.083+/-0.015 χ^2/NDF: 4549737.6/71

In: 139.437+/-0.016 χ^2/NDF:2882735.4/56

Out: 138.605+/-0.016 χ^2/NDF:4123902.7/62

All: 139.014+/-0.011 χ^2/NDF: 7008024.8/119



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: 2102.509+/-334.532 χ^2/NDF: 82.8/37

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

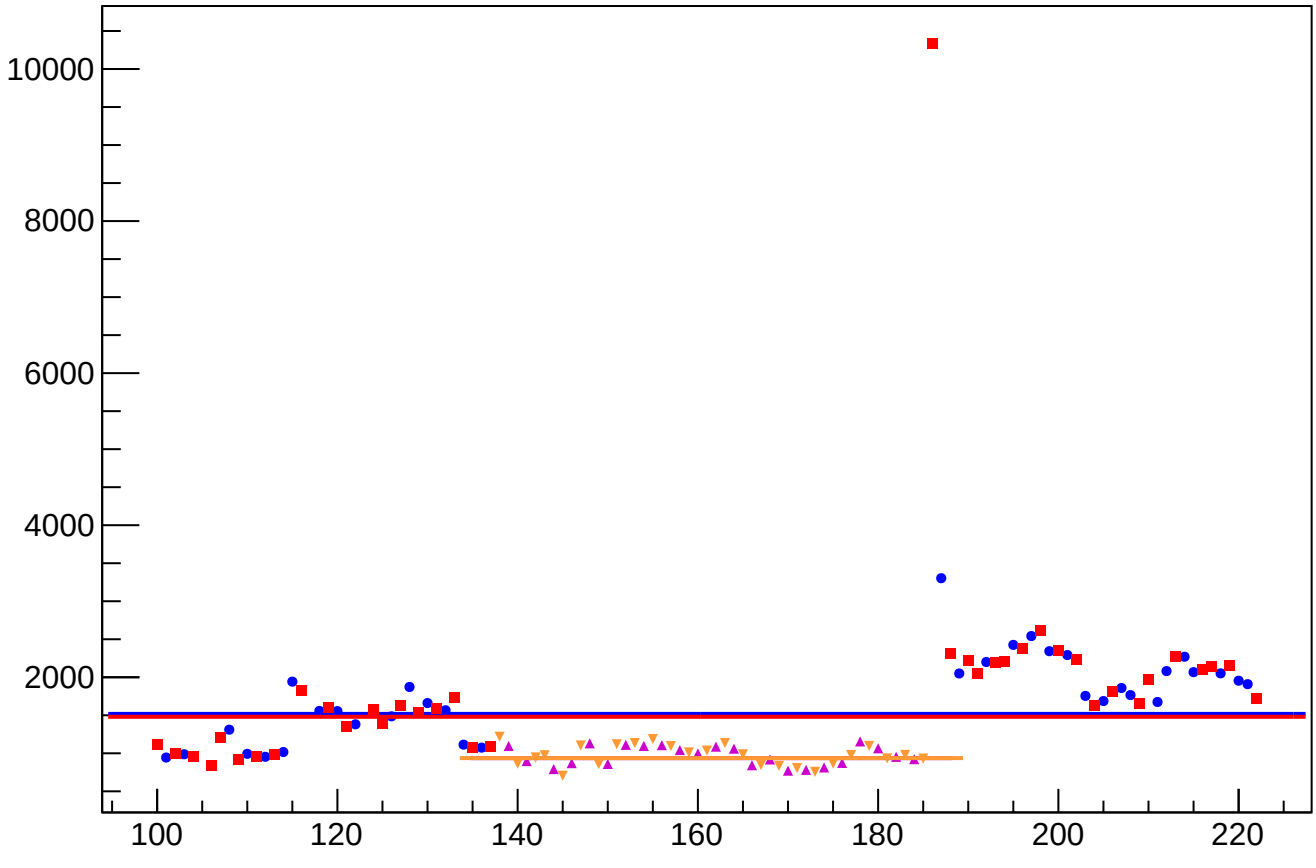
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 391.911+/-238.611 χ^2/NDF: 195.0/71

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -84.436+/-181.255 χ^2/NDF:190.3/62

All: -200.524+/-129.670 χ^2/NDF: 287.7/119



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: 1480.214+/-0.237 χ^2/NDF: 5393192.7/37

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

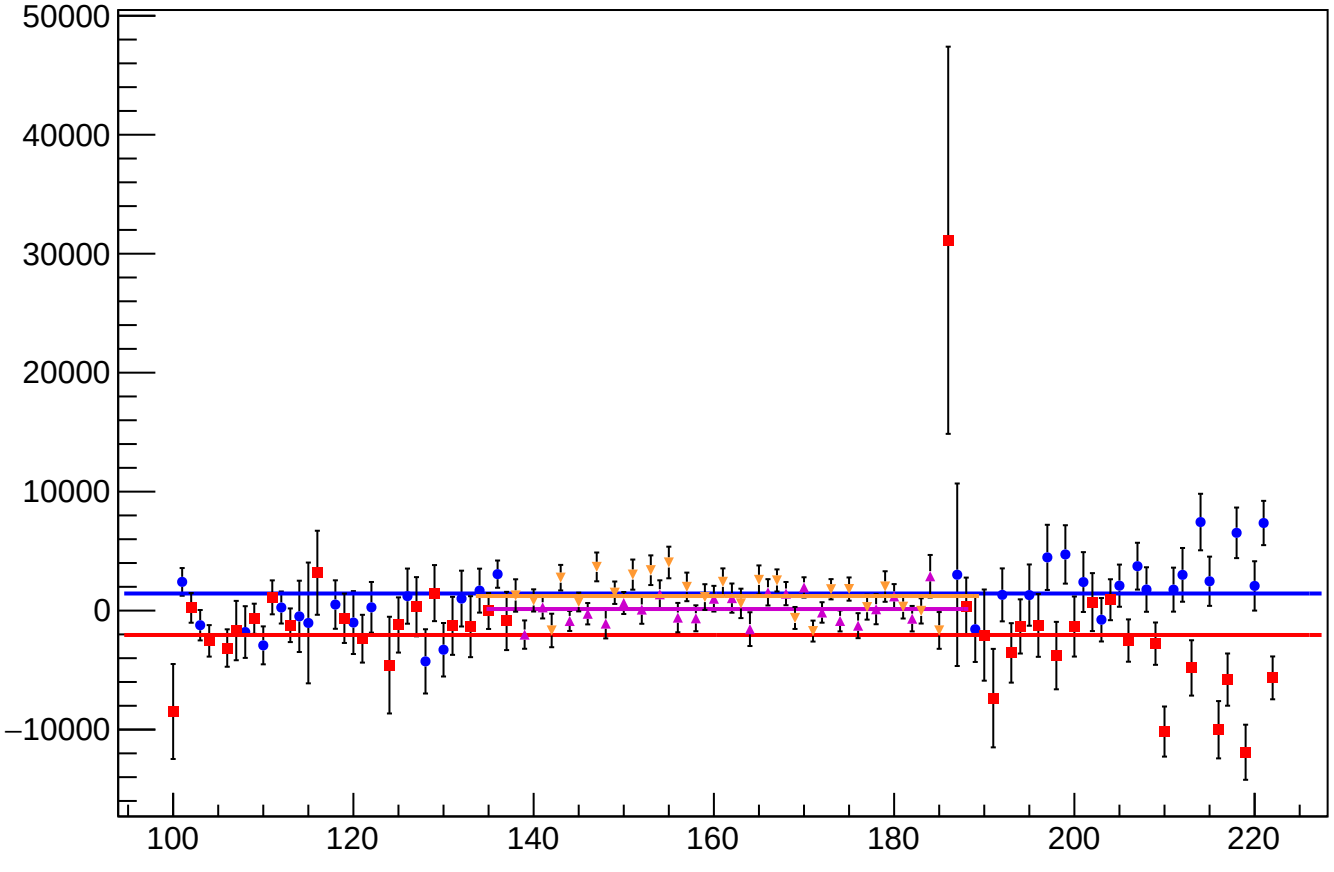
Right: 1498.817+/-0.169 χ^2/NDF: 9523992.8/71

In: 1109.241+/-0.131 χ^2/NDF:8864953.4/56

Out: 1096.286+/-0.128 χ^2/NDF:9954534.1/62

All: 1102.611+/-0.092 χ^2/NDF: 18824475.9/1

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: -2049.373+/-332.755 χ^2/NDF: 86.1/37

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

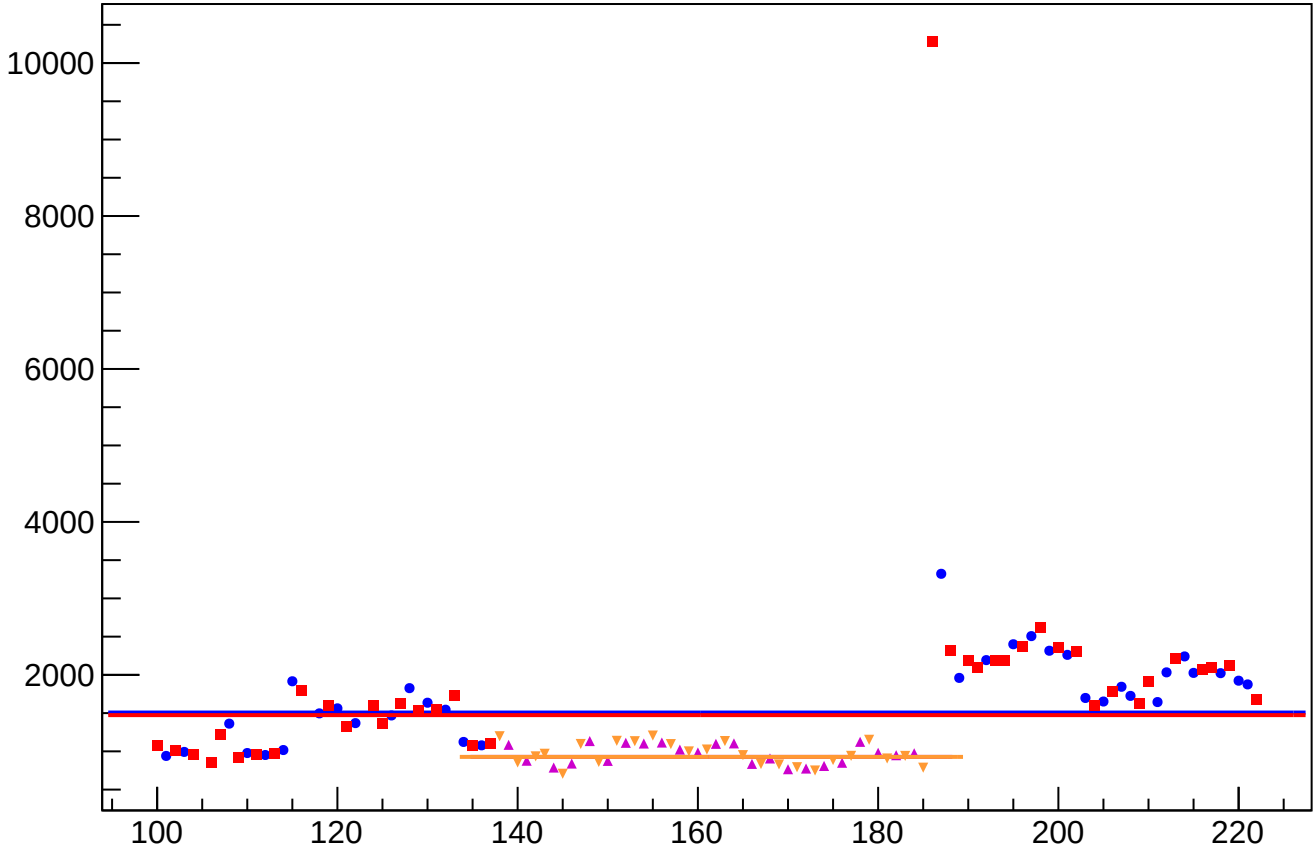
Right: -330.469+/-236.933 χ^2/NDF: 199.2/71

In: 520.098+/-183.867 χ^2/NDF:95.4/56

Out: 268.329+/-179.898 χ^2/NDF:203.1/62

All: 391.467+/-128.587 χ^2/NDF: 299.5/119

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: 1473.759+/-0.235 χ^2/NDF: 5284603.9/37

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

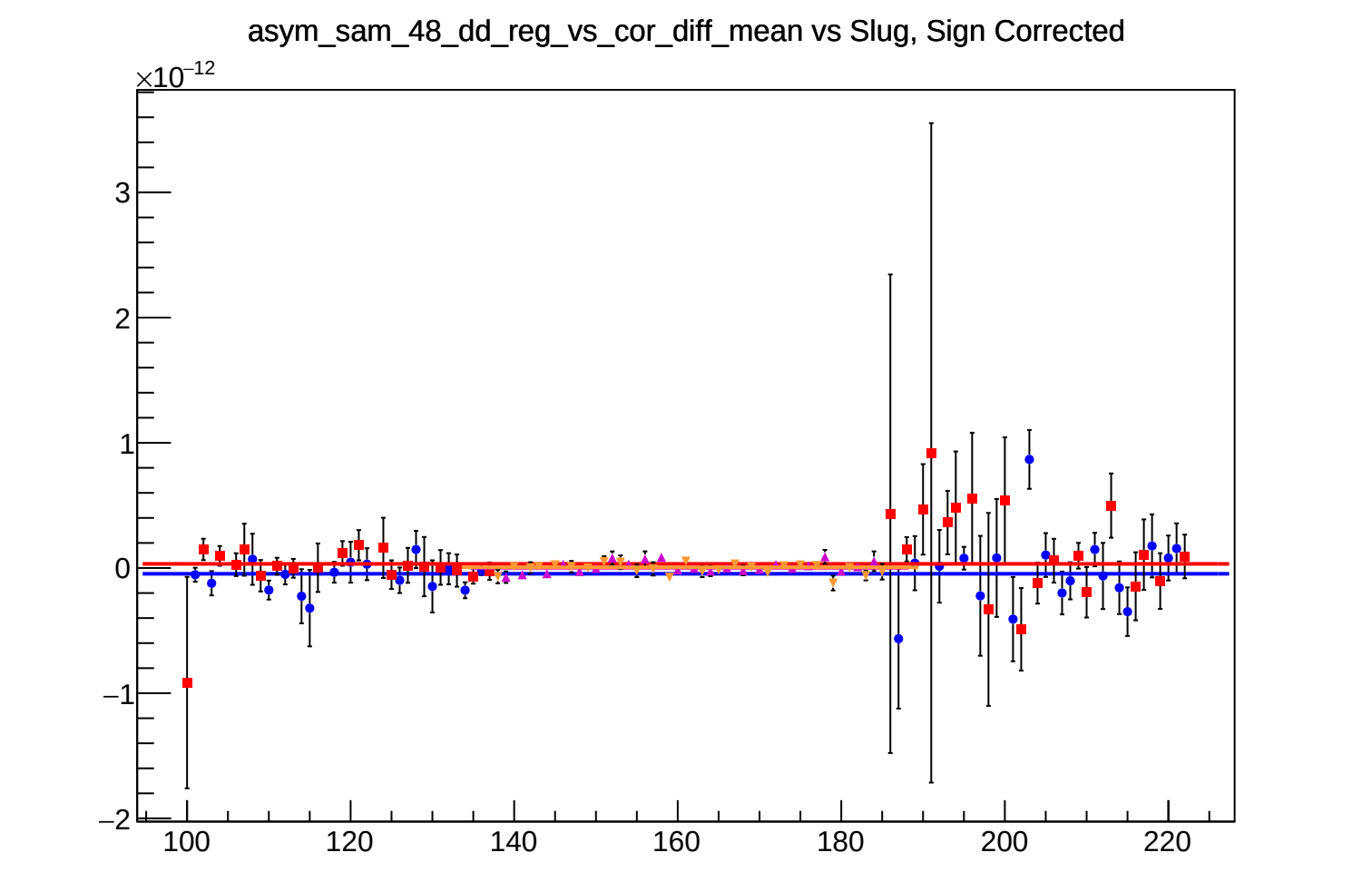
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1490.378+/-0.168 χ^2/NDF: 9233922.9/71

In: 1099.567+/-0.130 χ^2/NDF:8752229.1/56

Out: 1087.239+/-0.127 χ^2/NDF:9972712.5/62

All: 1093.268+/-0.091 χ^2/NDF: 18729534.7/1



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: 29.1/37

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

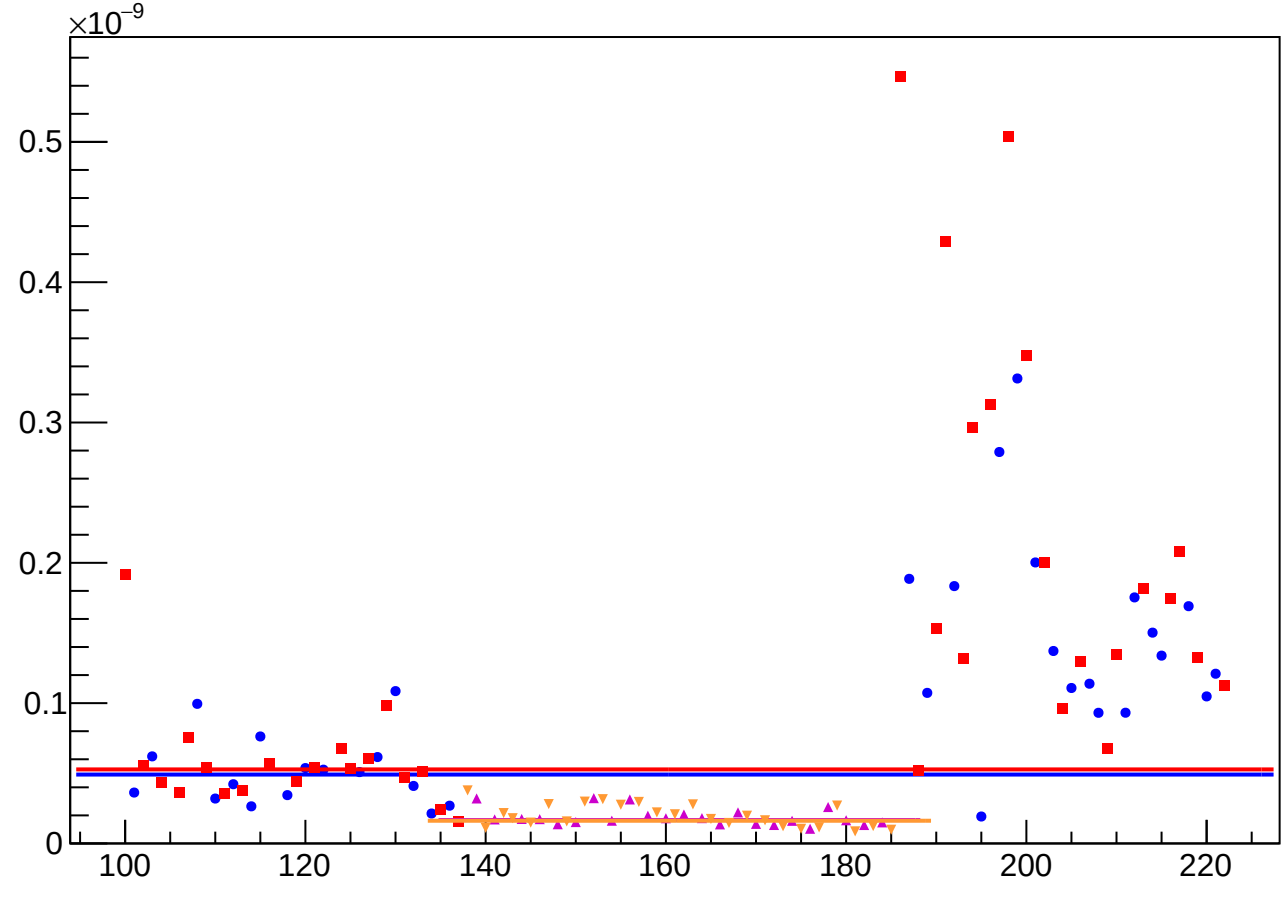
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 78.1/71

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: 0.000+/-0.000 χ^2/NDF:56.1/62

All: 0.000+/-0.000 χ^2/NDF: 132.0/119



Right In: 0.000+/-0.000 χ^2/NDF: 7516650.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7813283.8/37

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

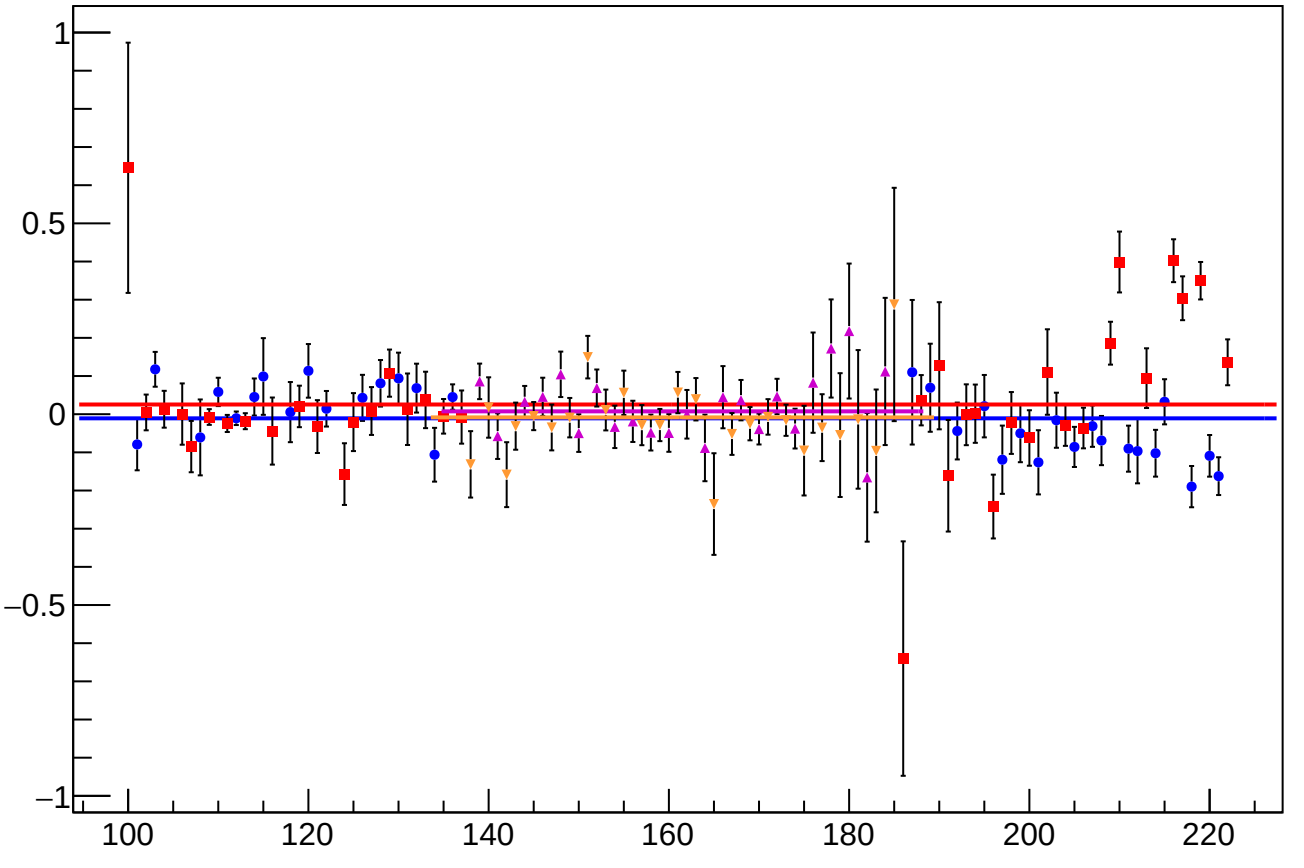
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15362813.4/71

In: 0.000+/-0.000 χ^2/NDF:13318080.9/56

Out: 0.000+/-0.000 χ^2/NDF:15466412.0/62

All: 0.000+/-0.000 χ^2/NDF: 28799920.0/119



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: 0.025+/-0.008 χ^2/NDF: 196.1/37

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

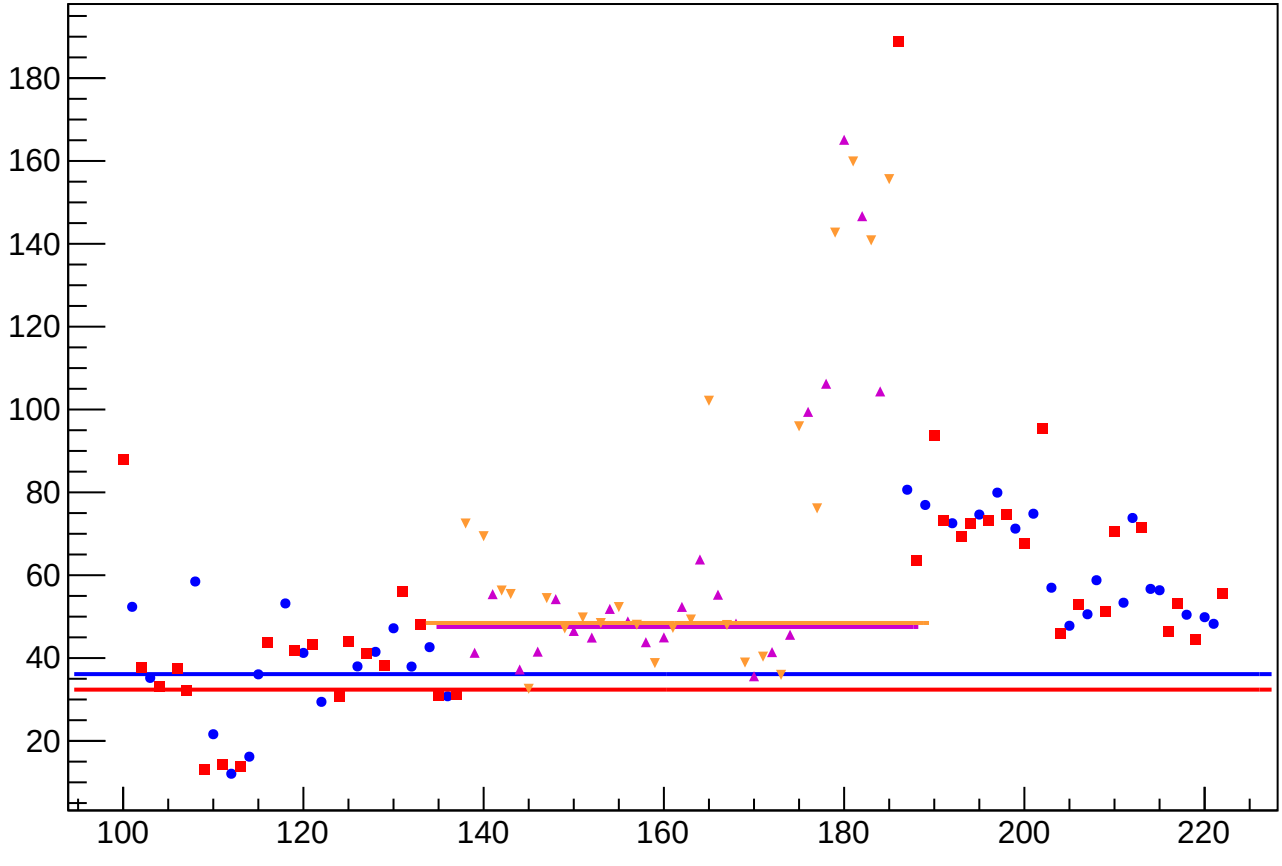
Right: 0.009+/-0.006 χ^2/NDF: 272.0/71

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.014+/-0.007 χ^2/NDF:224.6/62

All: 0.006+/-0.005 χ^2/NDF: 320.1/119

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: 32.379+/-0.006 χ^2/NDF: 12053813.9/37

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

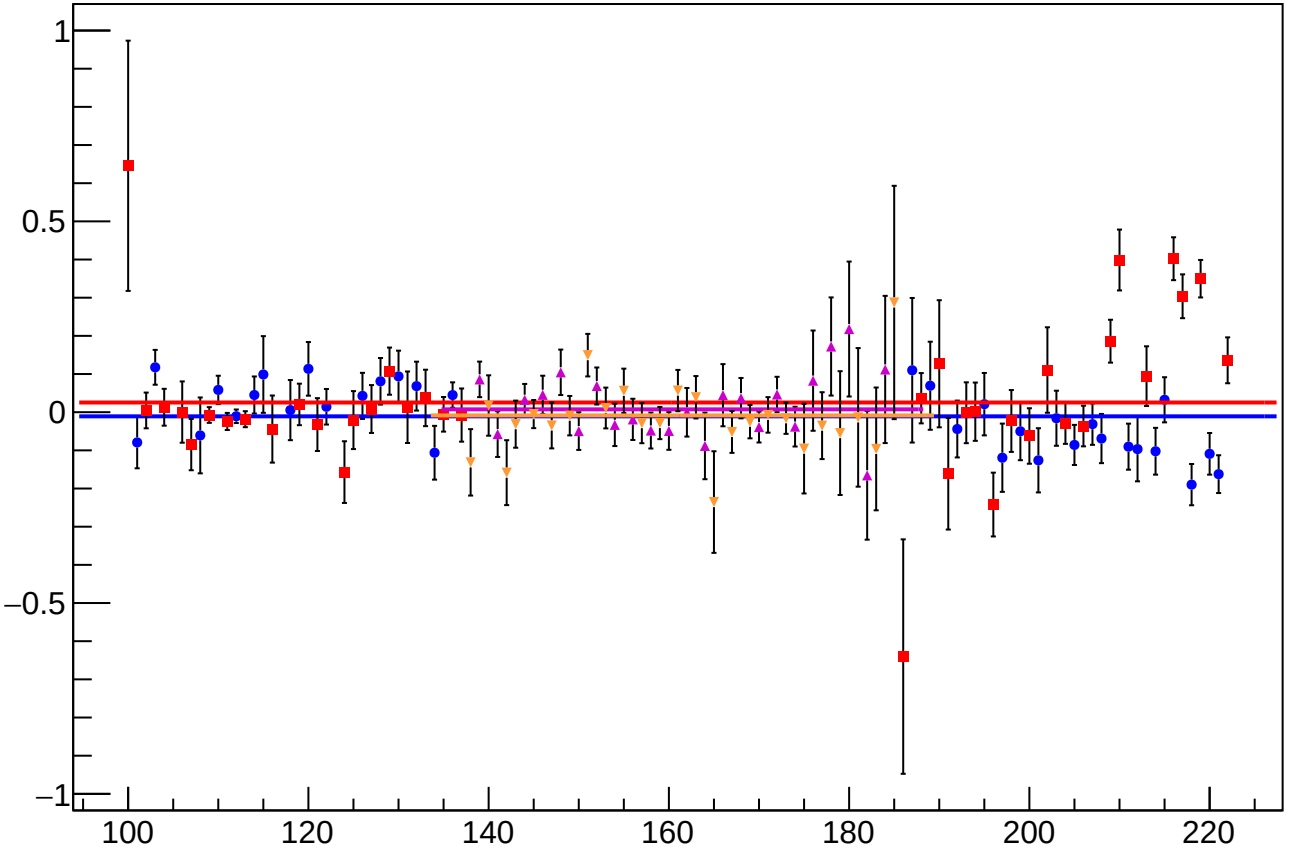
Right: 34.107+/-0.004 χ^2/NDF: 21745477.2/71

In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.642+/-0.005 χ^2/NDF:18844992.4/62

All: 38.871+/-0.004 χ^2/NDF: 32705562.8/119

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: 0.025+/-0.008 χ^2/NDF: 196.1/37

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

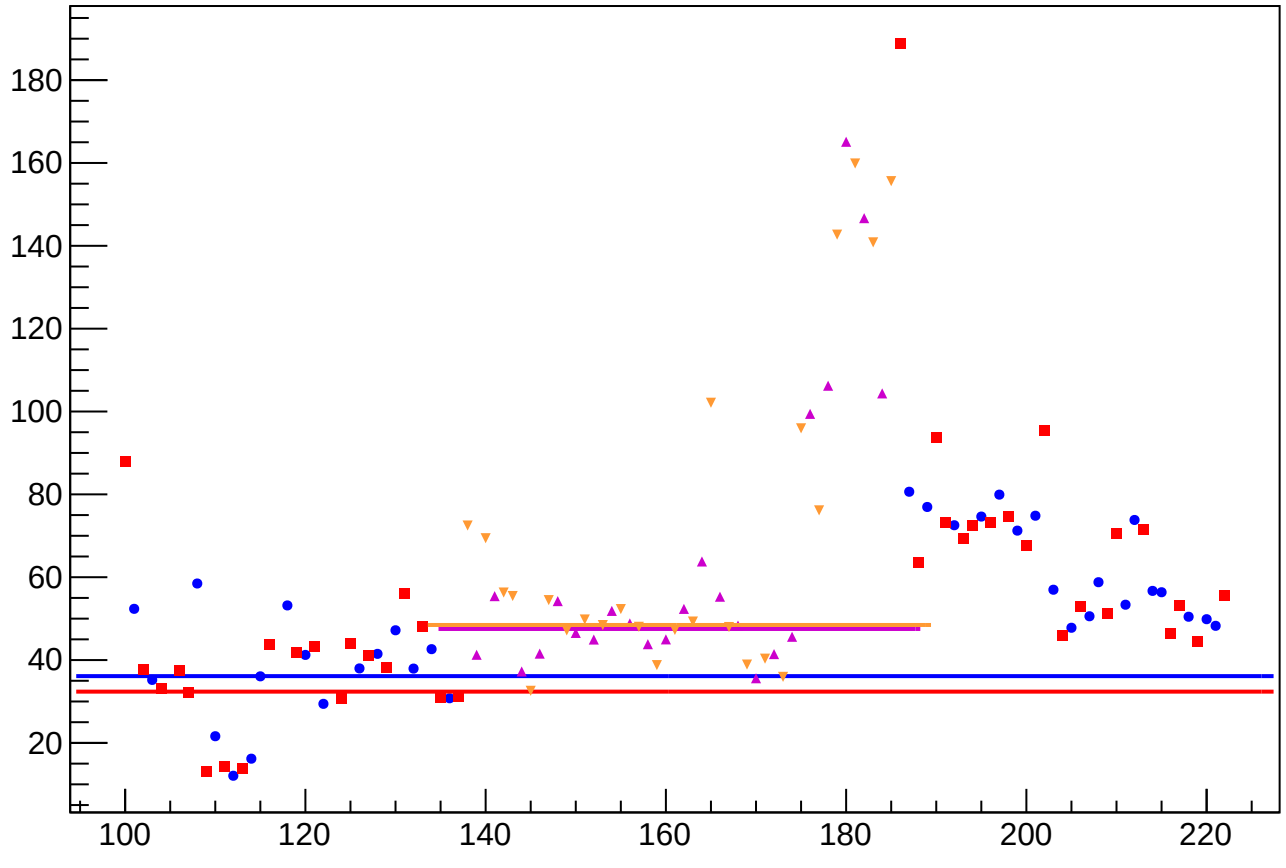
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.009+/-0.006 χ^2/NDF: 272.0/71

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.014+/-0.007 χ^2/NDF:224.6/62

All: 0.006+/-0.005 χ^2/NDF: 320.1/119



Right In: 36.124+/-0.006 χ^2/NDF: 9507030.2/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 32.379+/-0.006 χ^2/NDF: 12053813.9/37

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

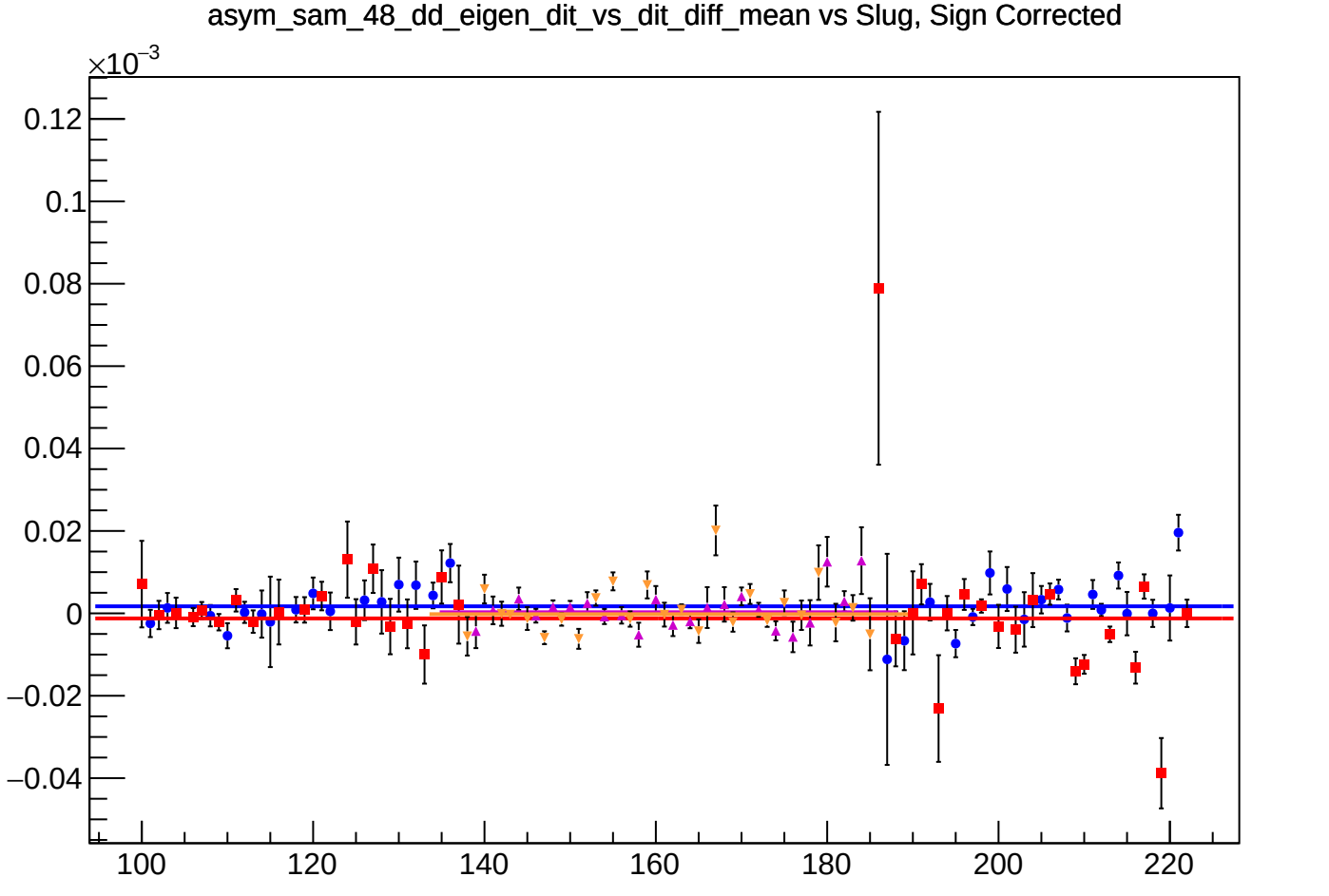
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

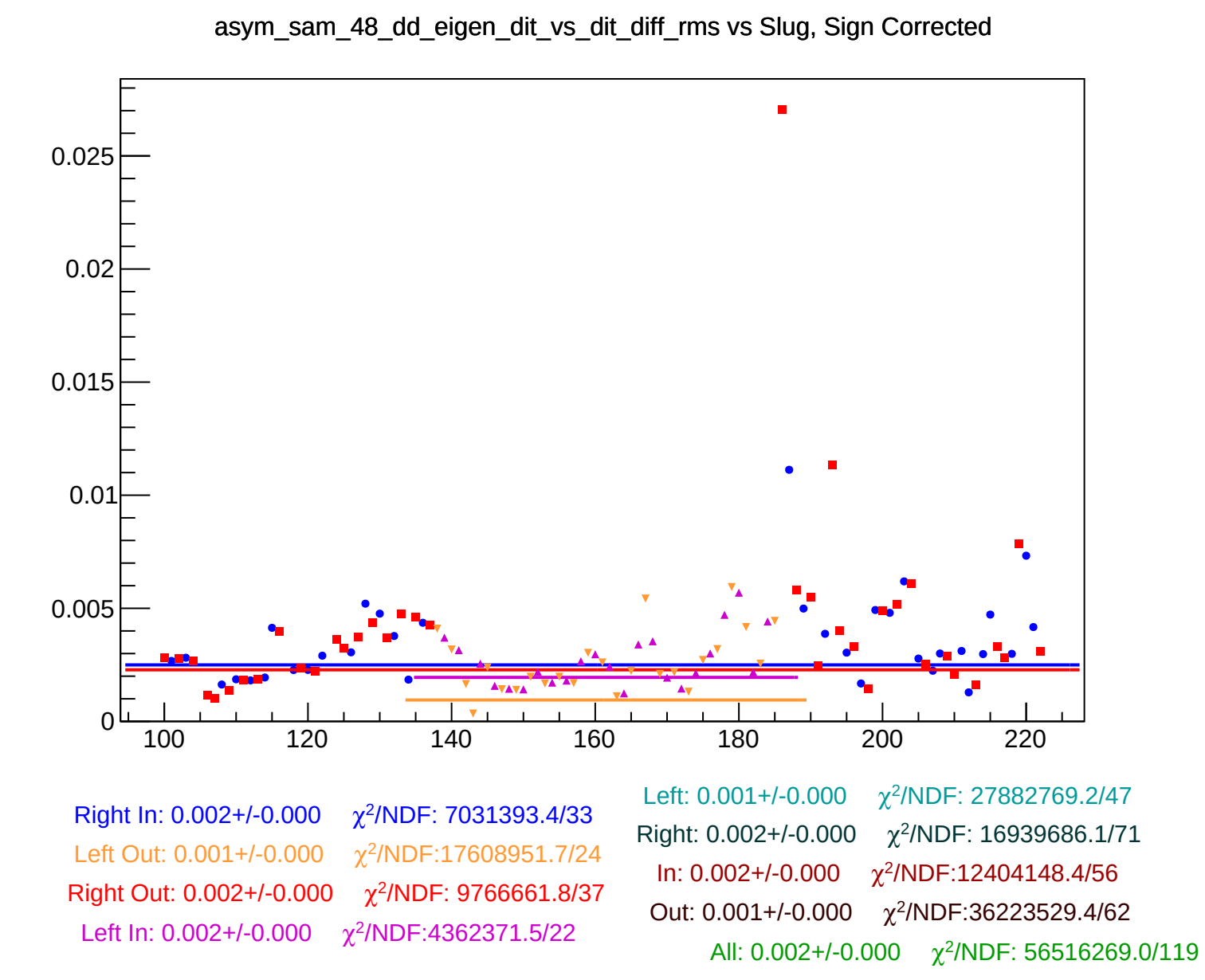
Right: 34.107+/-0.004 χ^2/NDF: 21745477.2/71

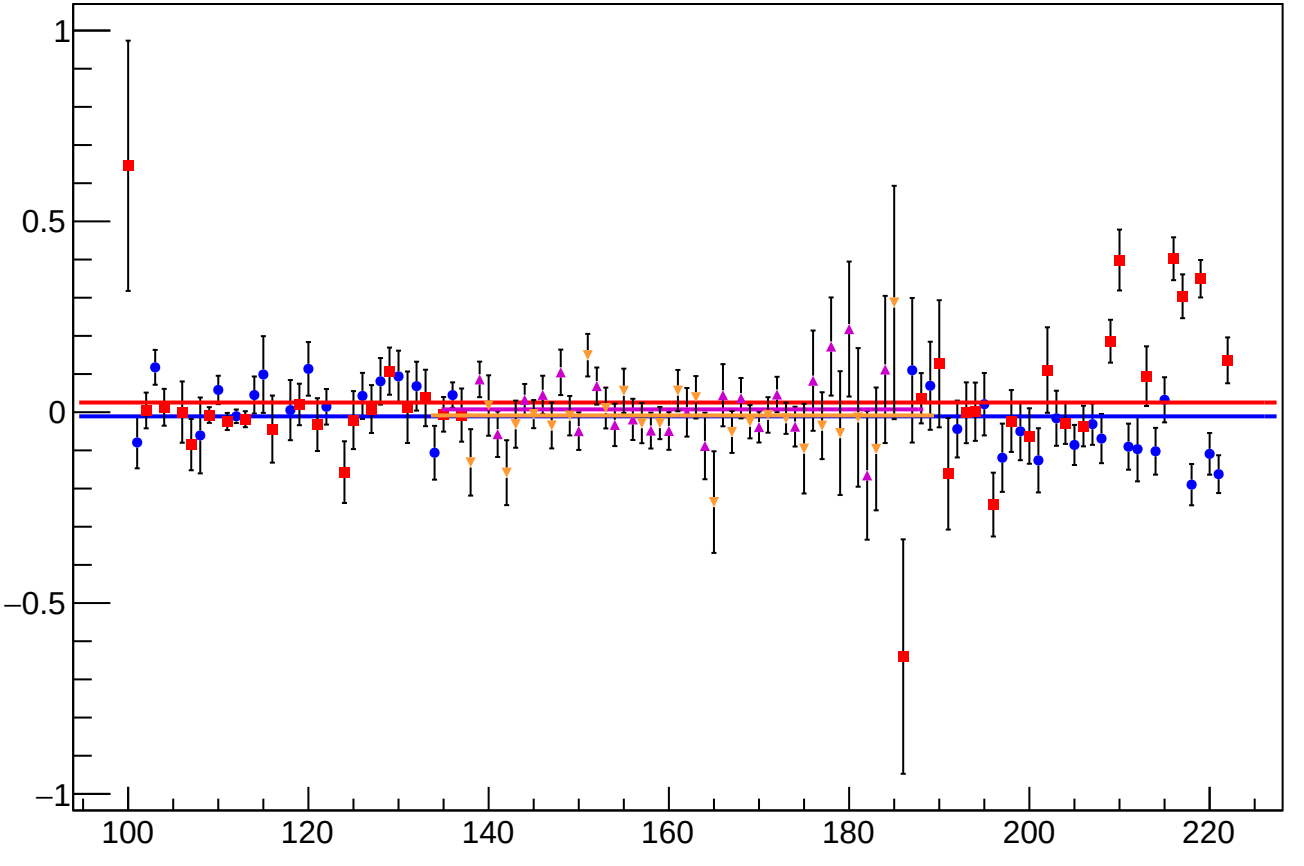
In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.642+/-0.005 χ^2/NDF:18844992.4/62

All: 38.871+/-0.004 χ^2/NDF: 32705562.8/119


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 58.6/33
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 121.1/37
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: 192.6/71
In: 0.000+/-0.000 χ²/NDF:92.9/56
Out: -0.000+/-0.000 χ²/NDF:195.4/62
All: -0.000+/-0.000 χ²/NDF: 296.0/119


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7031393.4/33
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 9766661.8/37
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
Left: 0.001+/-0.000 χ²/NDF: 27882769.2/47
Right: 0.002+/-0.000 χ²/NDF: 16939686.1/71
In: 0.002+/-0.000 χ²/NDF:12404148.4/56
Out: 0.001+/-0.000 χ²/NDF:36223529.4/62
All: 0.002+/-0.000 χ²/NDF: 56516269.0/119



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: 0.025+/-0.008 χ^2/NDF: 196.1/37

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

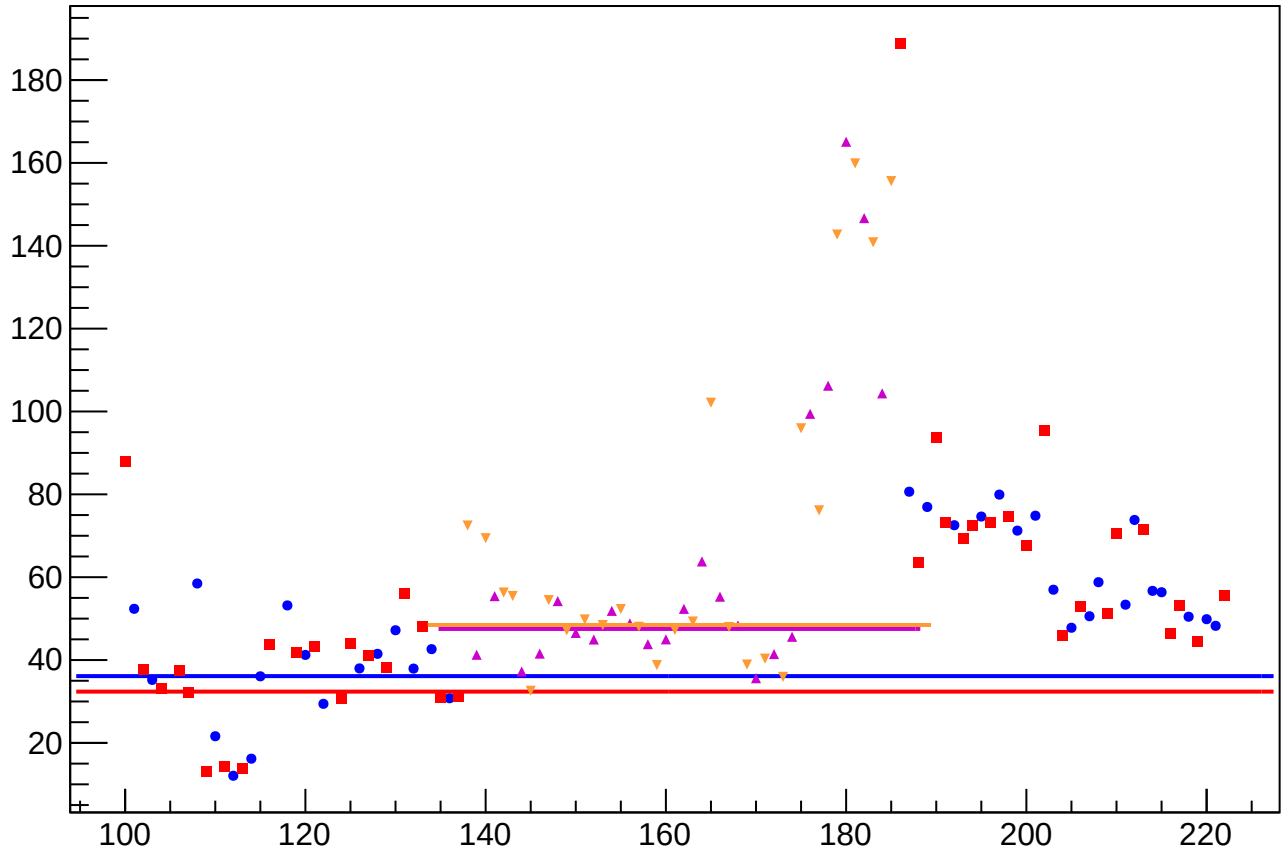
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.009+/-0.006 χ^2/NDF: 272.0/71

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.014+/-0.007 χ^2/NDF:224.6/62

All: 0.006+/-0.005 χ^2/NDF: 320.1/119



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 32.379+/-0.006 χ^2/NDF: 12054091.8/37

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

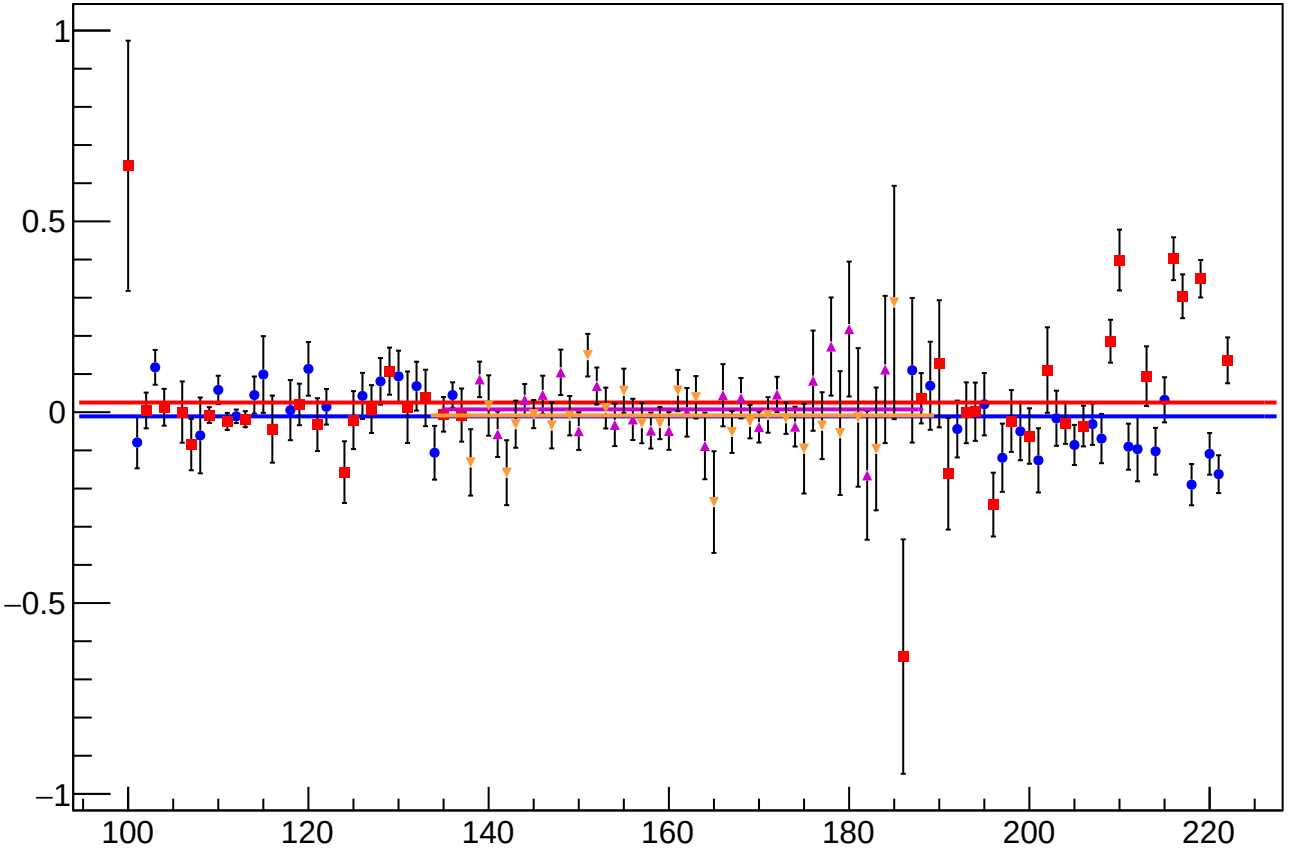
Right: 34.106+/-0.004 χ^2/NDF: 21746529.4/71

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.642+/-0.005 χ^2/NDF:18845417.4/62

All: 38.870+/-0.004 χ^2/NDF: 32707087.8/119

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: 0.025+/-0.008 χ^2/NDF: 196.1/37

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

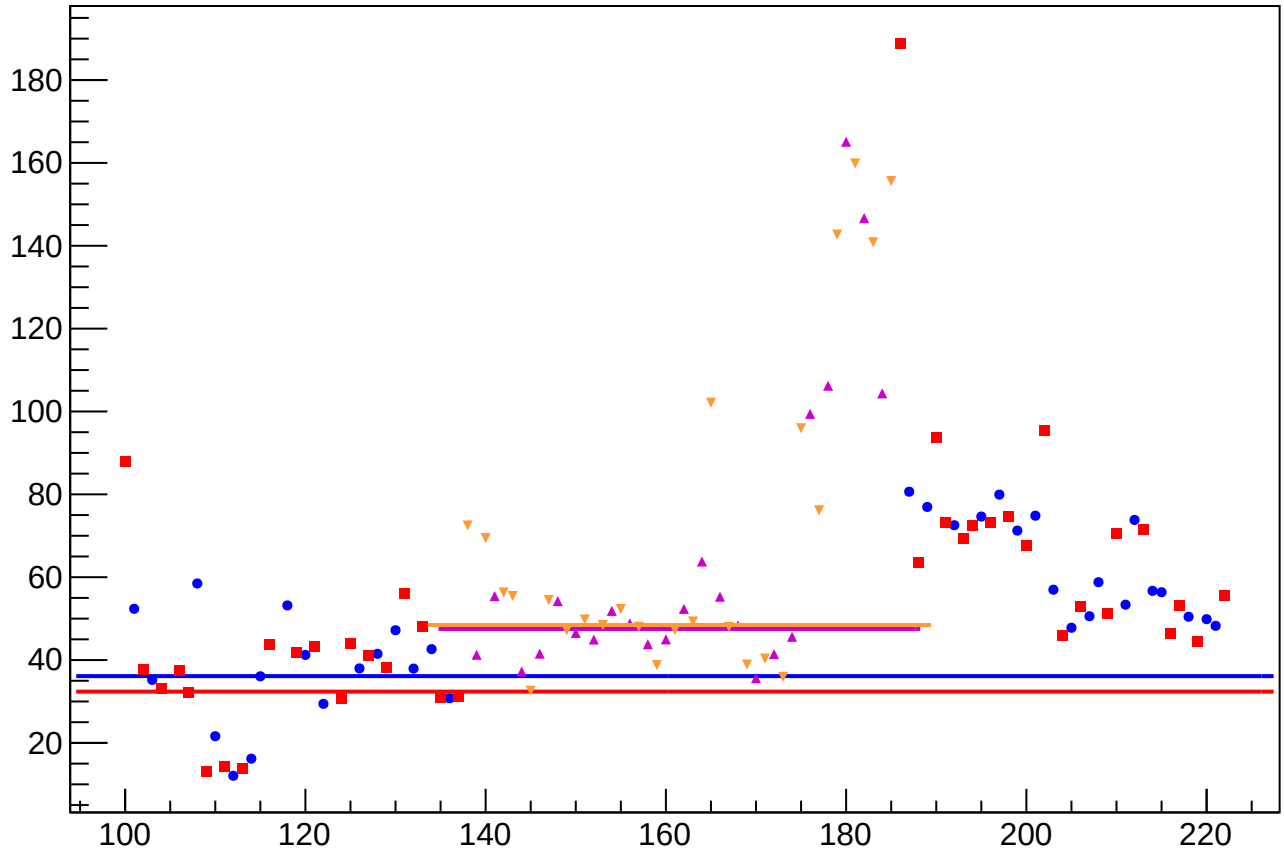
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.009+/-0.006 χ^2/NDF: 272.0/71

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.014+/-0.007 χ^2/NDF:224.6/62

All: 0.006+/-0.005 χ^2/NDF: 320.1/119



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 32.379+/-0.006 χ^2/NDF: 12054091.8/37

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

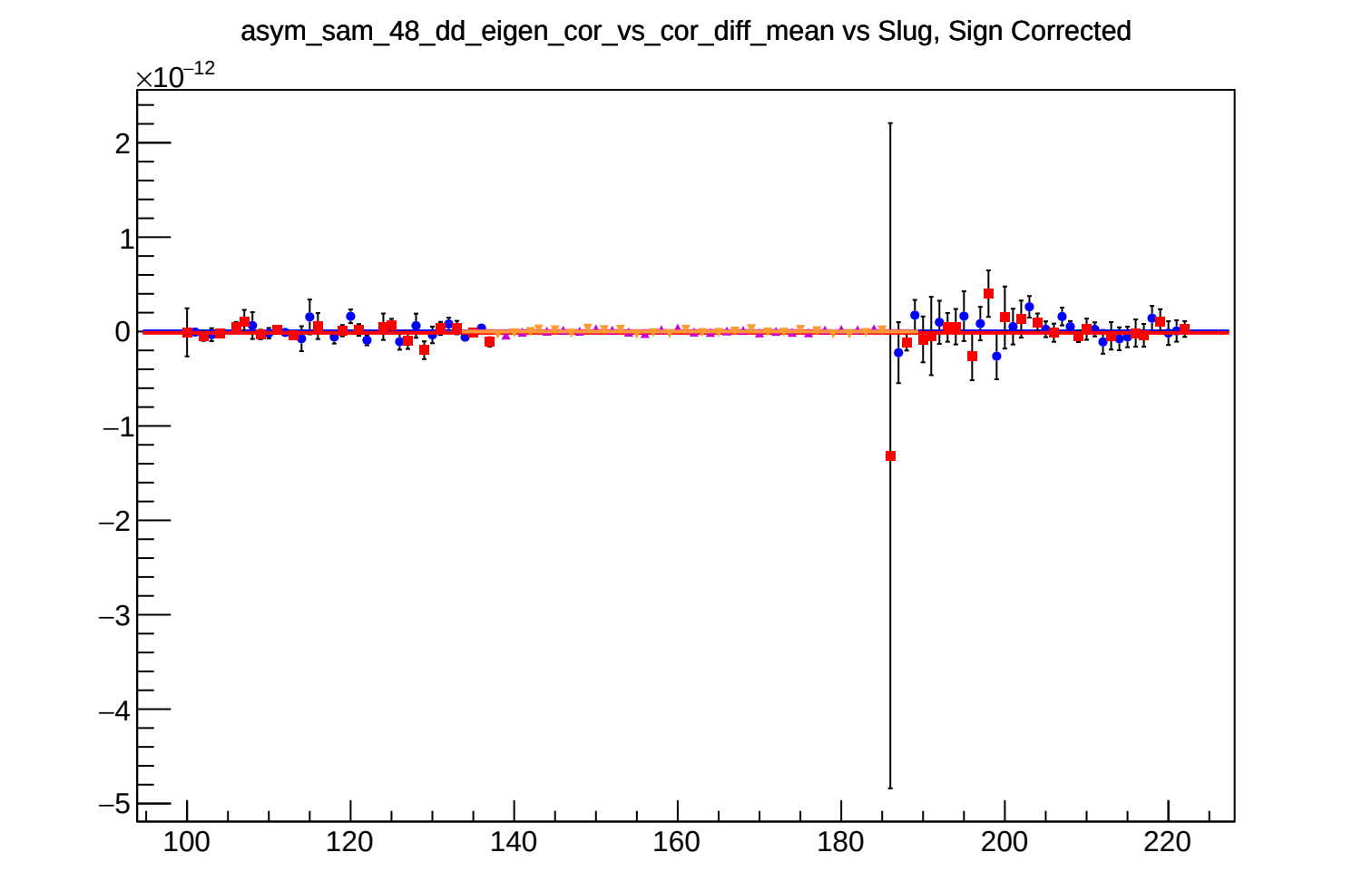
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 34.106+/-0.004 χ^2/NDF: 21746529.4/71

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.642+/-0.005 χ^2/NDF:18845417.4/62

All: 38.870+/-0.004 χ^2/NDF: 32707087.8/119



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: 24.4/37

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

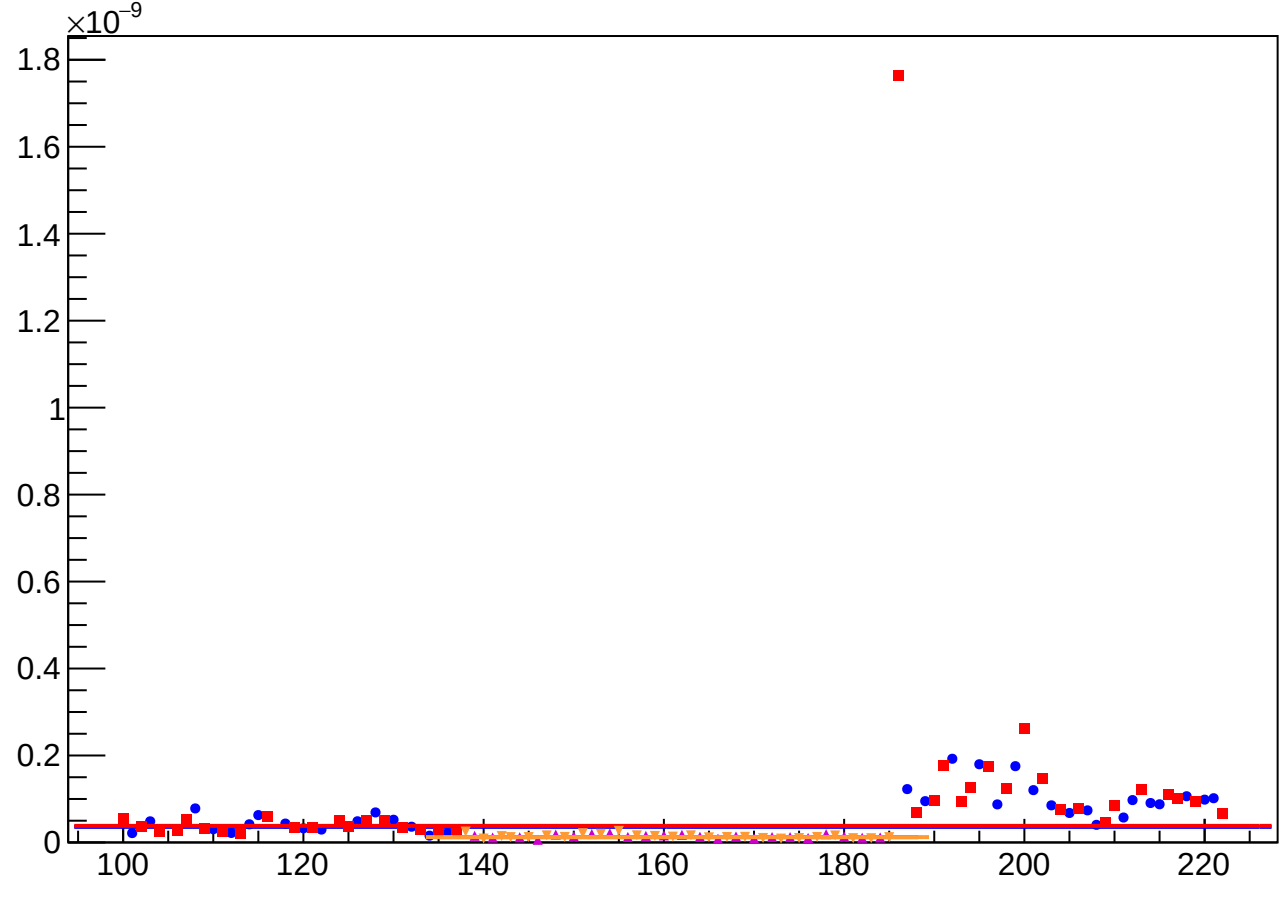
Right: -0.000+/-0.000 χ^2/NDF: 59.8/71

In: 0.000+/-0.000 χ^2/NDF:53.5/56

Out: -0.000+/-0.000 χ^2/NDF:57.1/62

All: 0.000+/-0.000 χ^2/NDF: 112.2/119

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10200142.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9344142.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

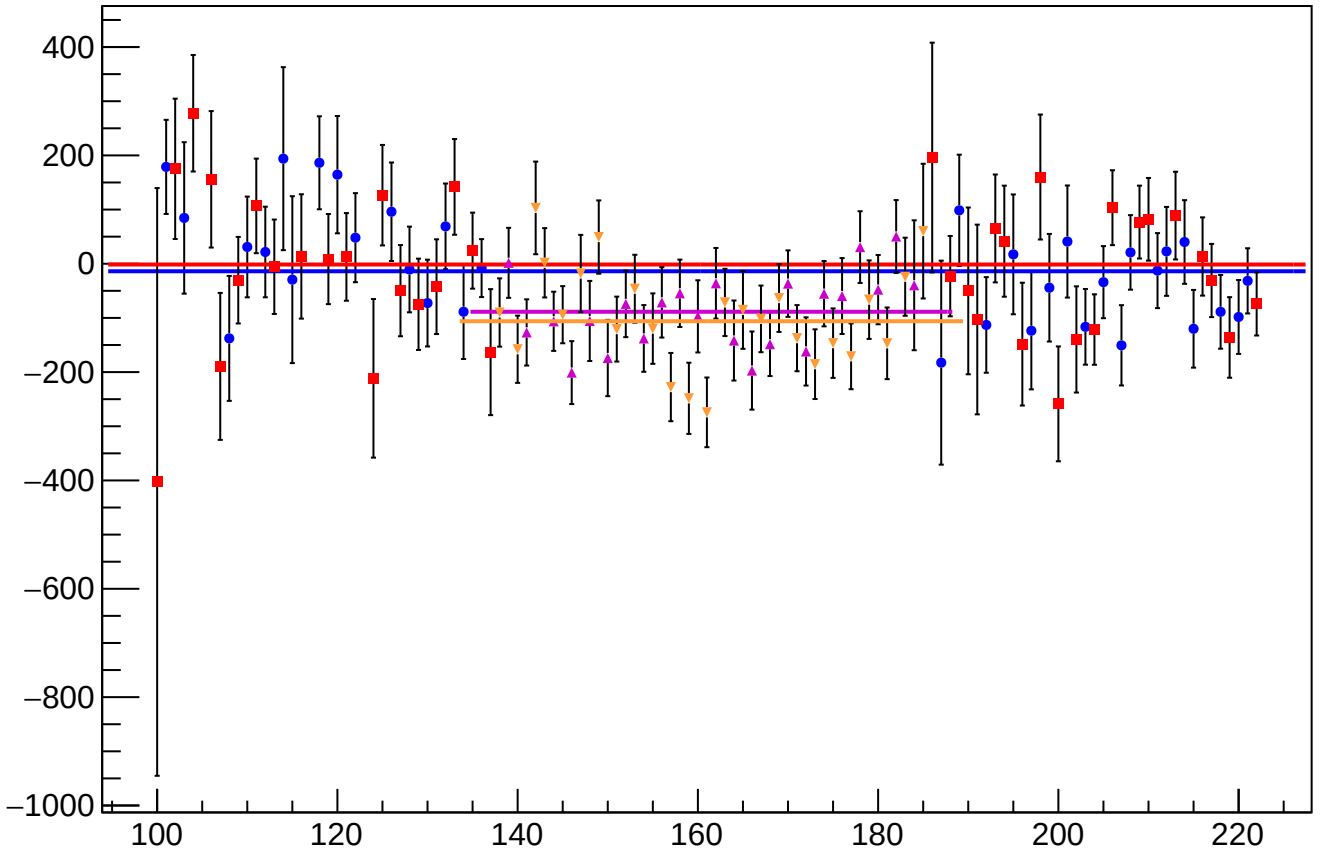
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19582000.0/71

In: 0.000+/-0.000 χ^2/NDF:19815757.8/56

Out: 0.000+/-0.000 χ^2/NDF:19787139.7/62

All: 0.000+/-0.000 χ^2/NDF: 39603139.5/119



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: -1.434+/-14.526 χ^2/NDF: 52.4/37

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

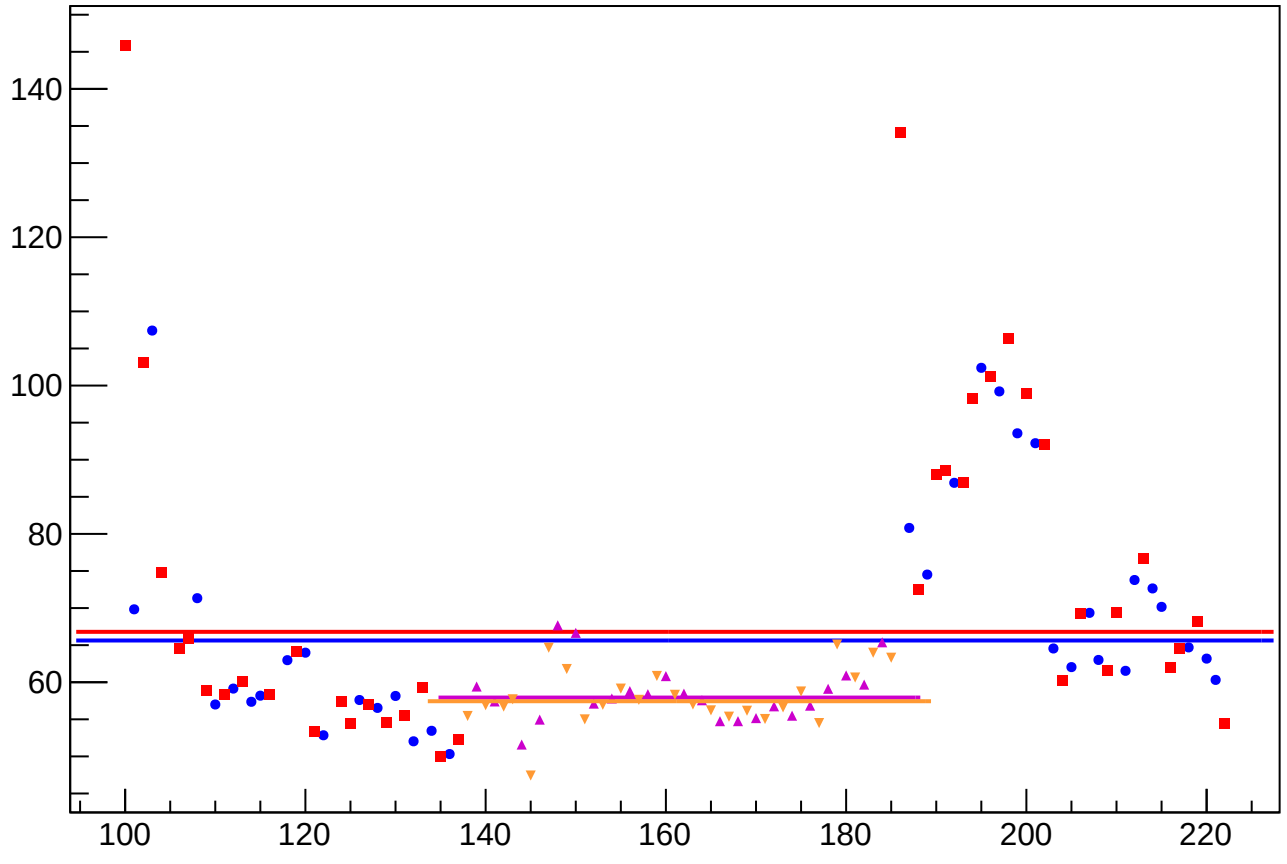
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: -7.759+/-10.183 χ^2/NDF: 90.2/71

In: -53.156+/-9.835 χ^2/NDF:75.7/56

Out: -59.200+/-9.724 χ^2/NDF:121.8/62

All: -56.212+/-6.915 χ^2/NDF: 197.7/119



Right In: 65.628+/-0.010 χ^2/NDF: 1531000.1/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.796+/-0.010 χ^2/NDF: 2095308.1/37

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

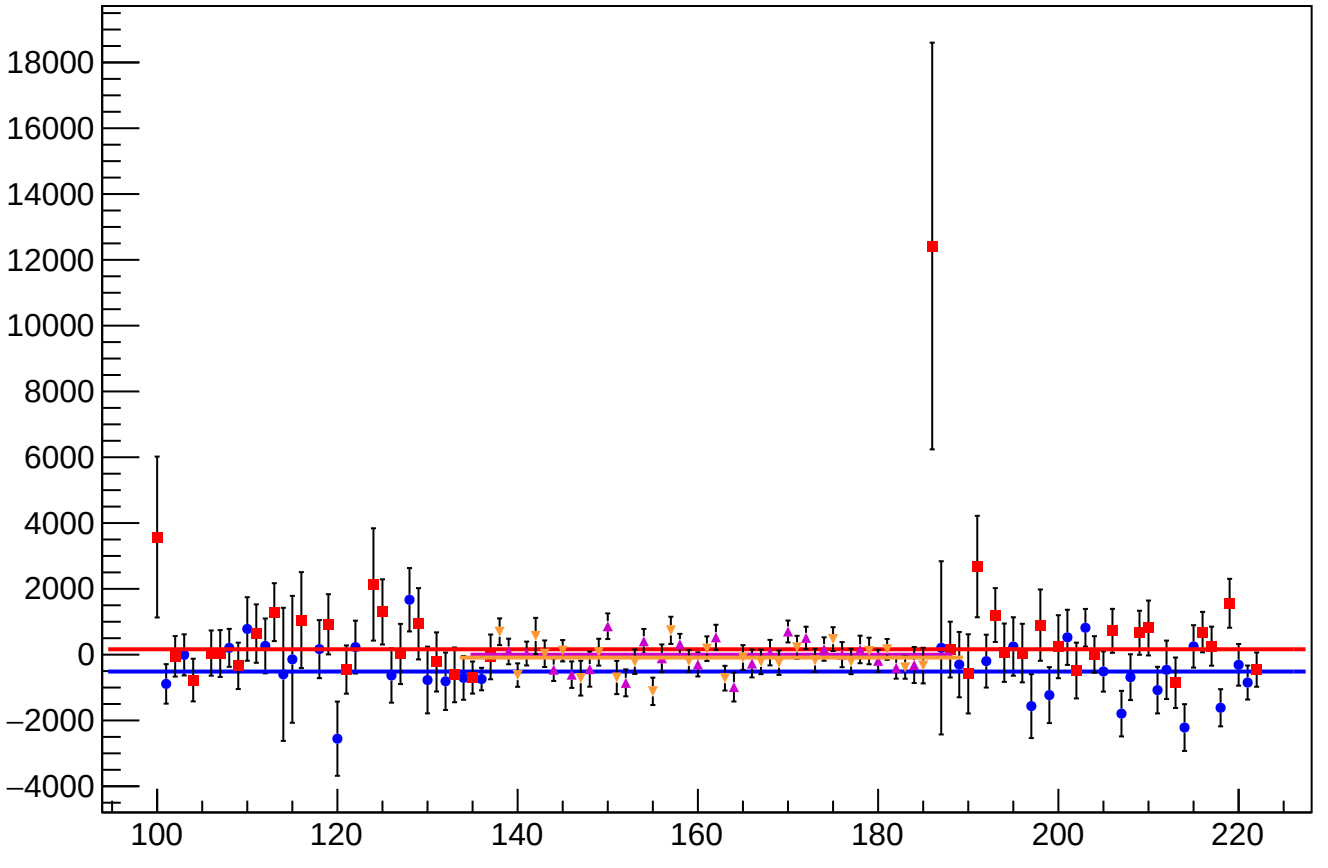
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.202+/-0.007 χ^2/NDF: 3632879.3/71

In: 61.584+/-0.007 χ^2/NDF:1972218.8/56

Out: 61.632+/-0.007 χ^2/NDF:2727698.8/62

All: 61.608+/-0.005 χ^2/NDF: 4699942.4/119



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: 163.536+/-127.432 χ^2/NDF: 35.0/37

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

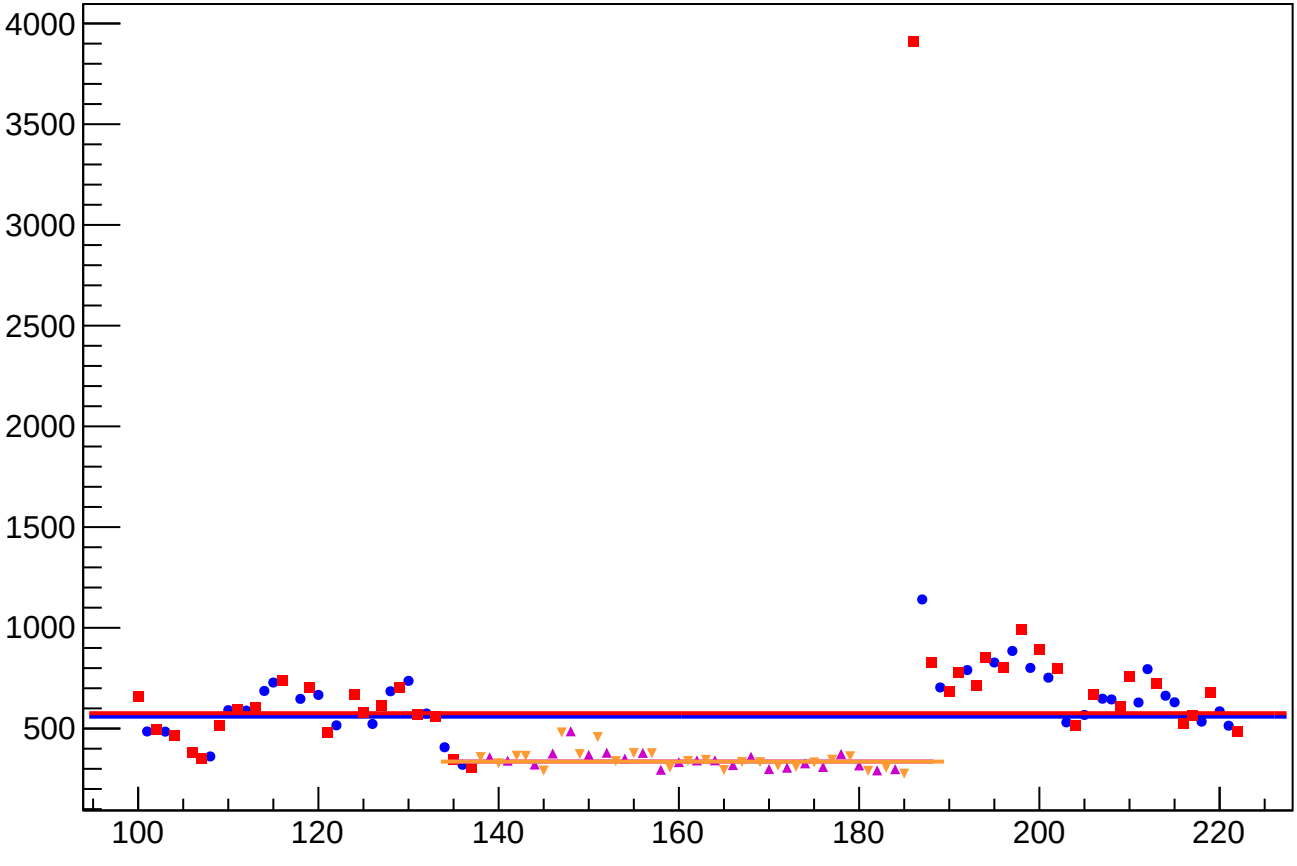
Right: -185.206+/-88.746 χ^2/NDF: 90.8/71

In: -151.540+/-66.690 χ^2/NDF:87.0/56

Out: -21.486+/-65.910 χ^2/NDF:67.8/62

All: -85.747+/-46.879 χ^2/NDF: 156.7/119

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 559.038+/-0.087 χ^2/NDF: 2850579.7/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 576.207+/-0.090 χ^2/NDF: 3557472.4/37

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

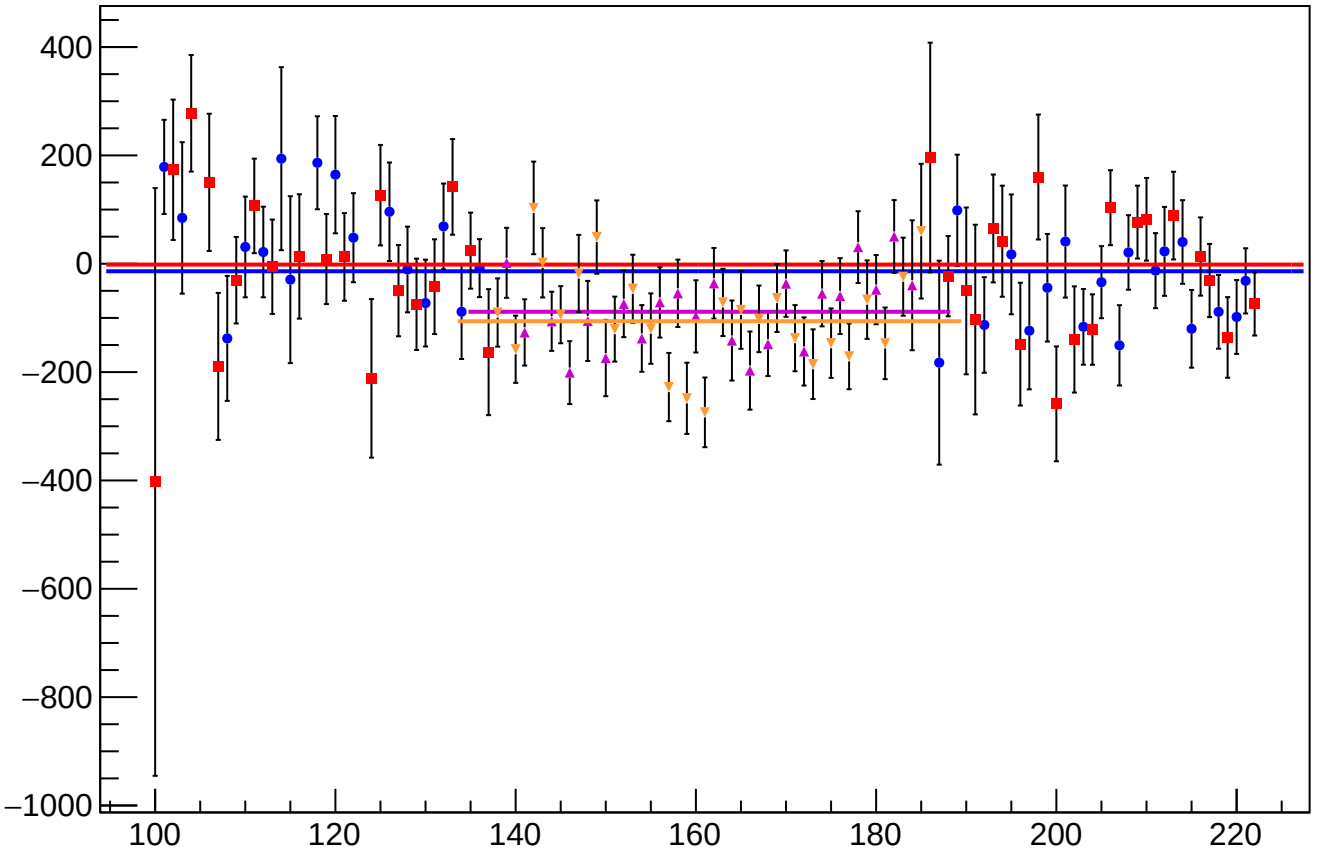
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 567.365+/-0.063 χ^2/NDF: 6426750.6/71

In: 401.110+/-0.047 χ^2/NDF:7864335.7/56

Out: 400.182+/-0.047 χ^2/NDF:9301206.3/62

All: 400.640+/-0.033 χ^2/NDF: 17165737.8/1



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: -1.557+/-14.528 χ^2/NDF: 52.3/37

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

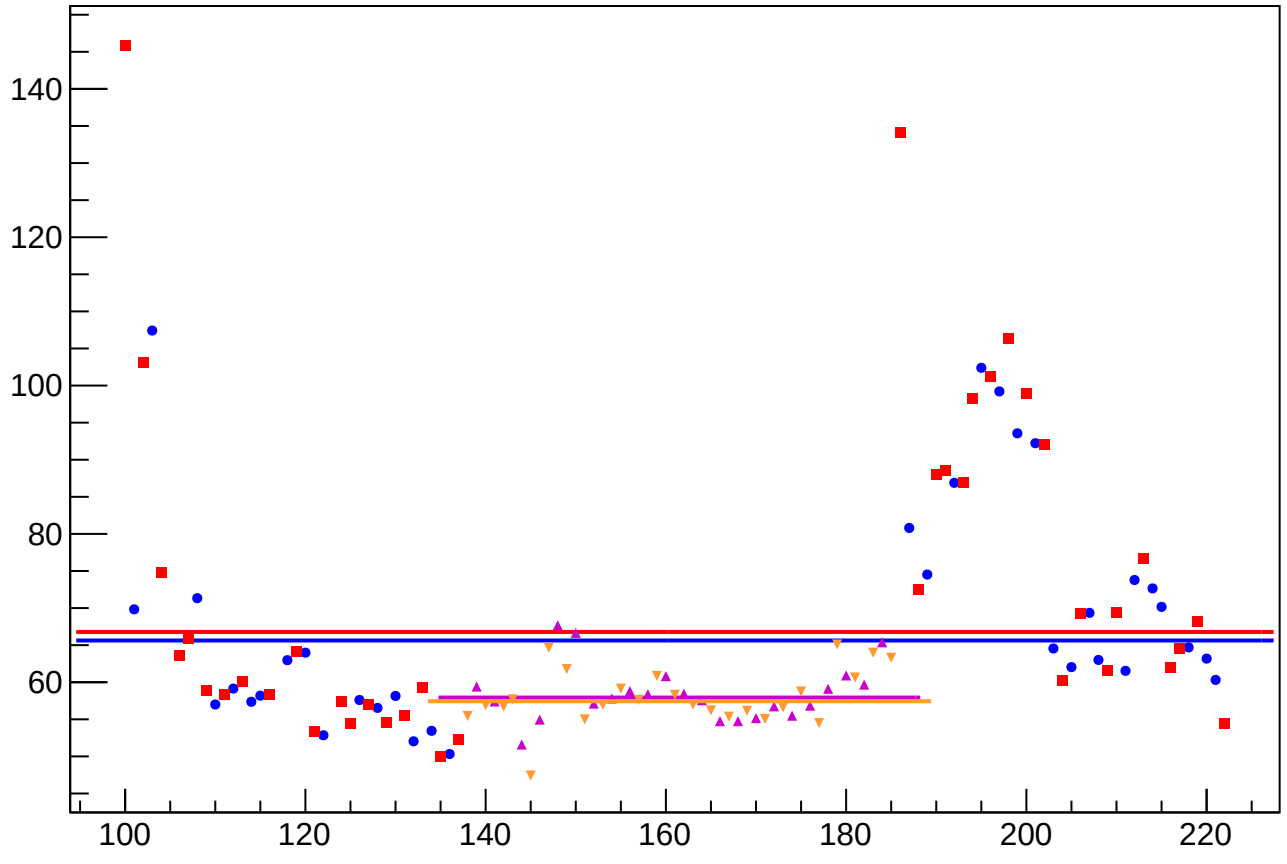
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -7.822+/-10.183 χ^2/NDF: 90.1/71

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -59.259+/-9.724 χ^2/NDF:121.5/62

All: -56.244+/-6.915 χ^2/NDF: 197.5/119



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.783+/-0.010 χ^2/NDF: 2096179.0/37

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

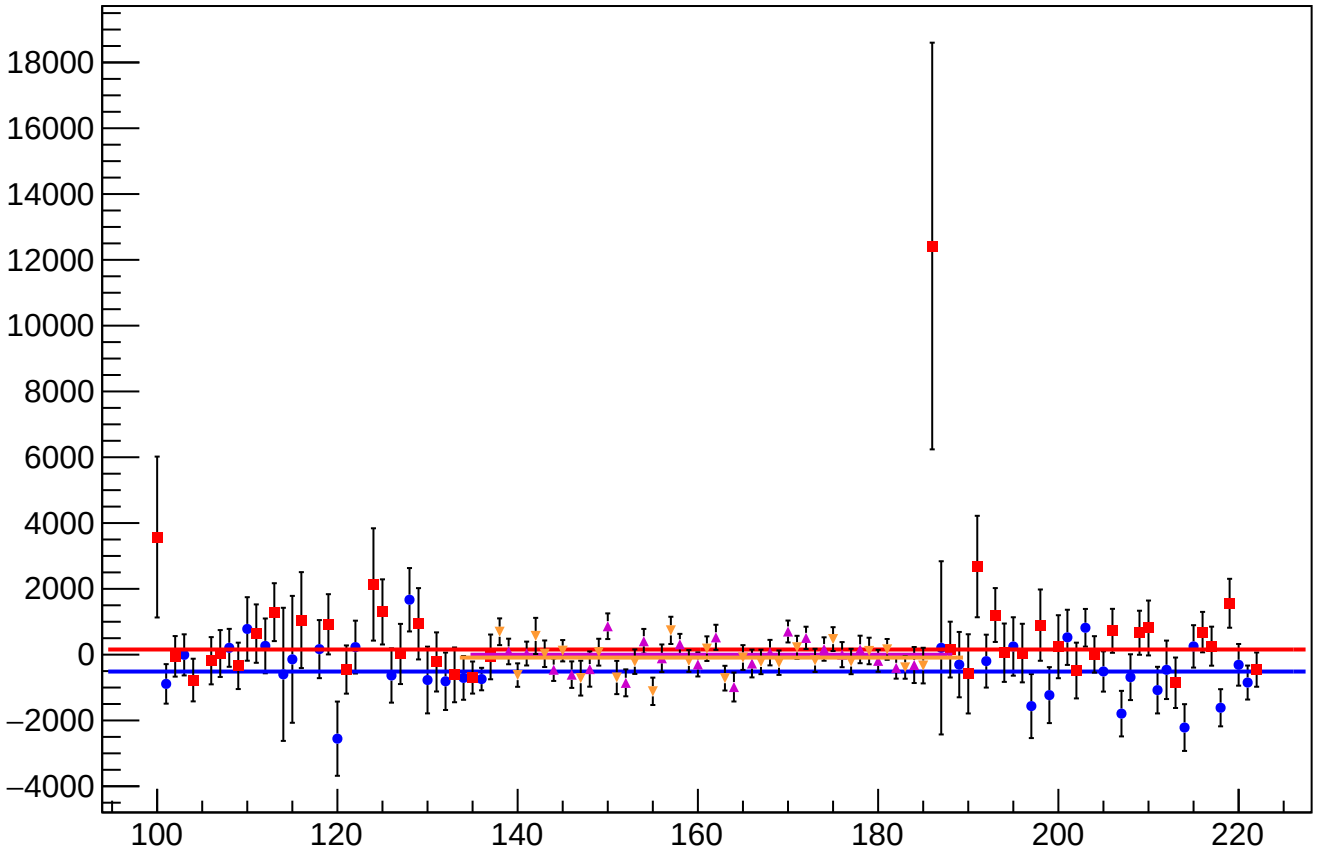
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.196+/-0.007 χ^2/NDF: 3633611.3/71

In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.626+/-0.007 χ^2/NDF:2727304.5/62

All: 61.605+/-0.005 χ^2/NDF: 4699544.4/119



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: 156.533+/-127.622 χ^2/NDF: 35.2/37

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

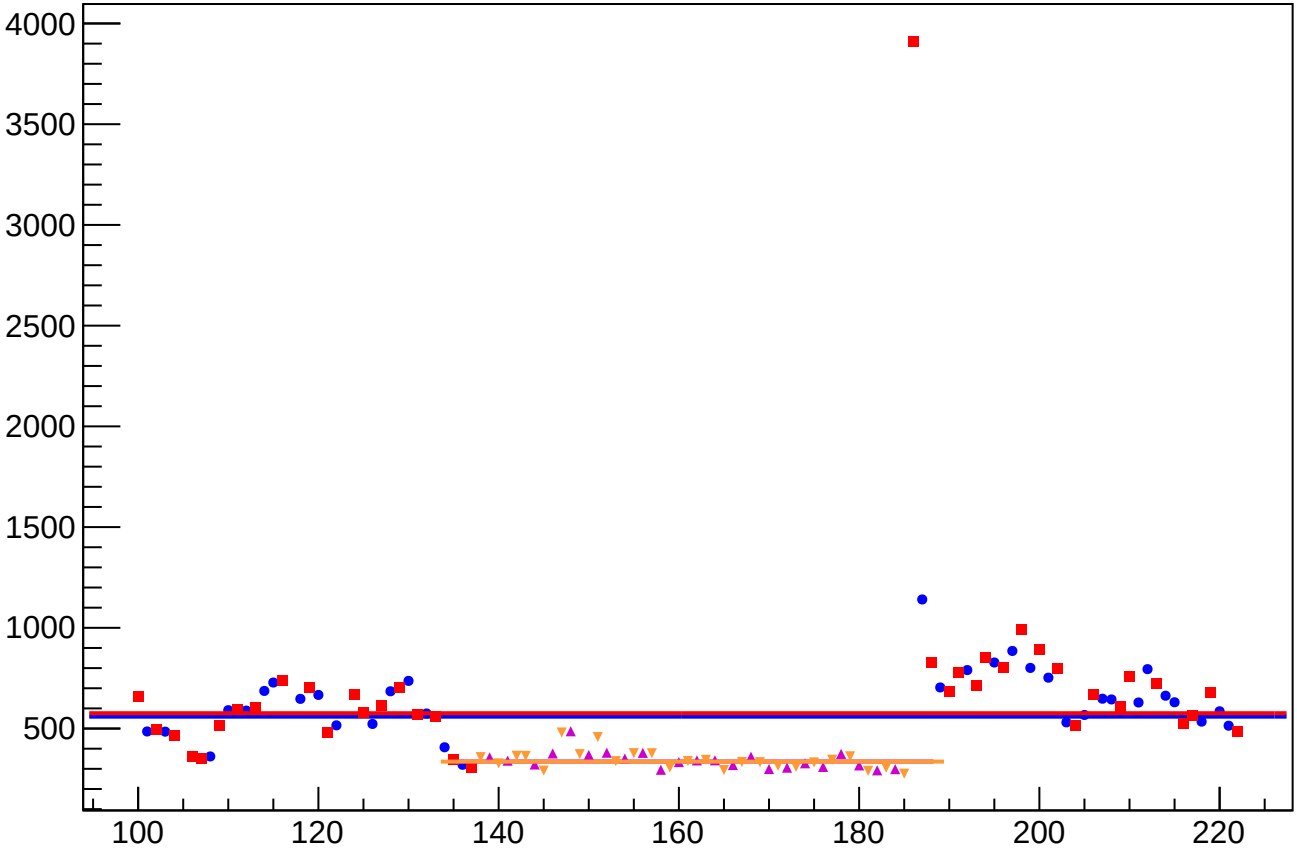
Right: -189.094+/-88.810 χ^2/NDF: 90.7/71

In: -151.537+/-66.690 χ^2/NDF:87.0/56

Out: -23.504+/-65.936 χ^2/NDF:67.8/62

All: -86.793+/-46.888 χ^2/NDF: 156.6/119

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: 576.138+/-0.090 χ^2/NDF: 3576804.5/37

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

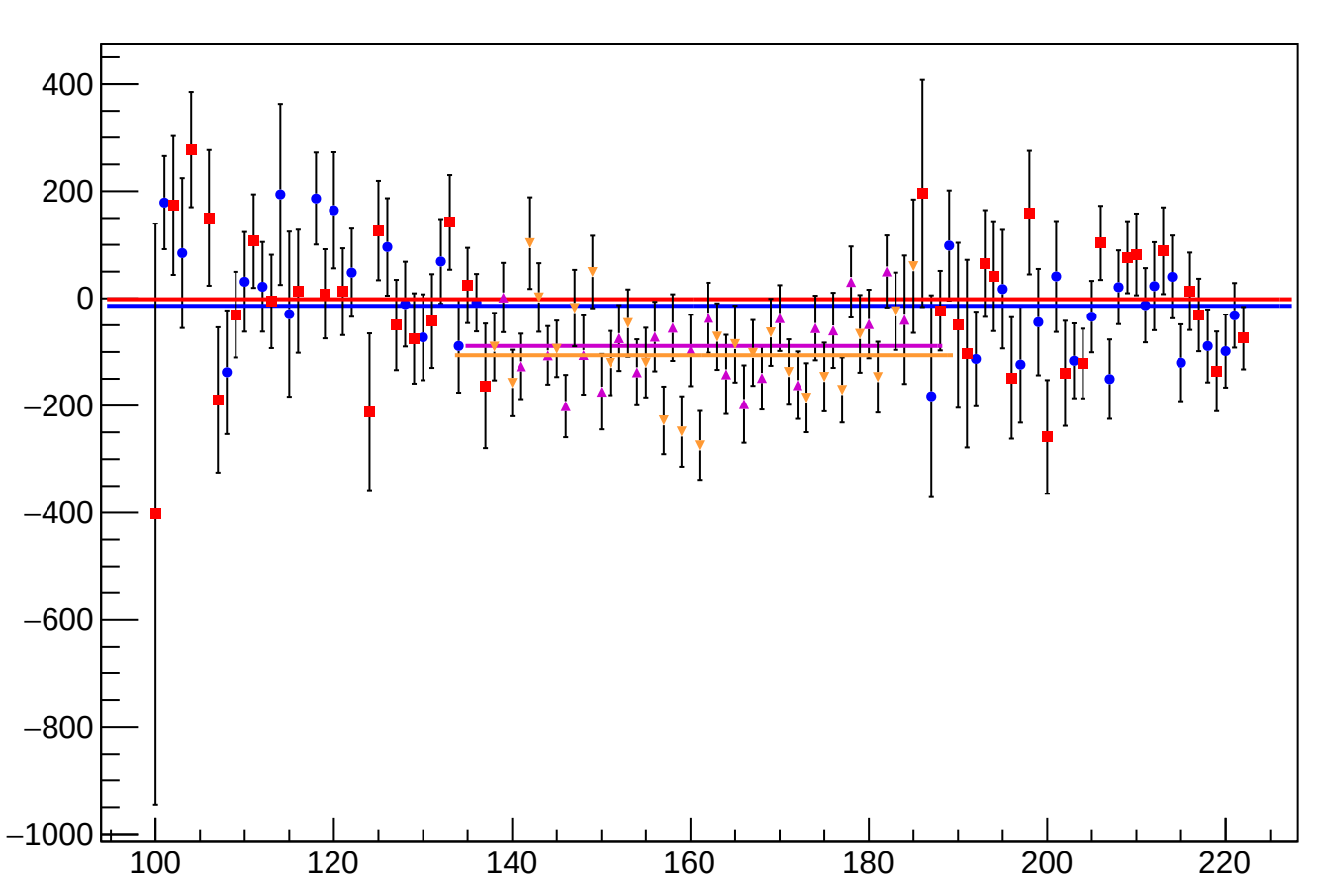
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 567.320+/-0.063 χ^2/NDF: 6445865.6/71

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 400.023+/-0.047 χ^2/NDF:9306160.0/62

All: 400.560+/-0.033 χ^2/NDF: 17170792.9/11



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: -1.557+/-14.528 χ^2/NDF: 52.3/37

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

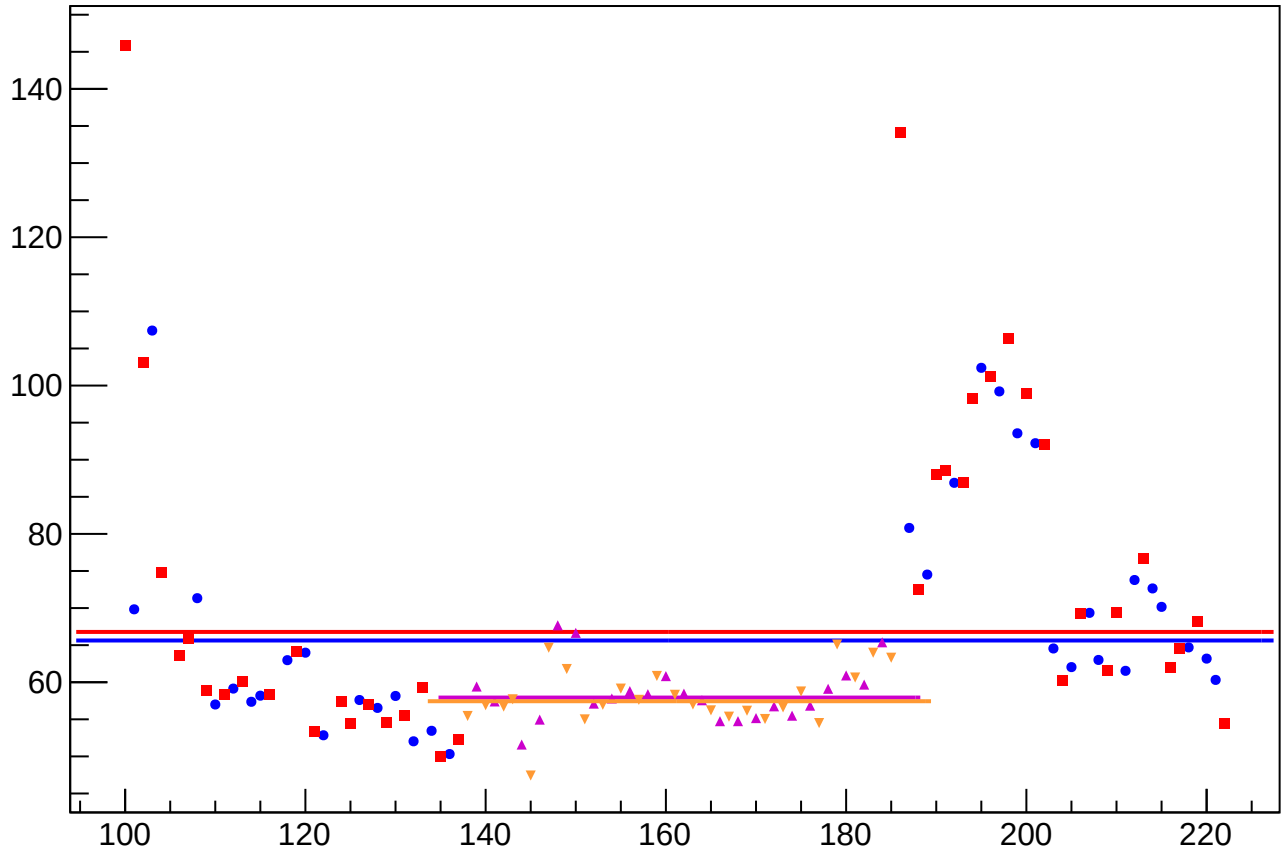
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -7.822+/-10.183 χ^2/NDF: 90.1/71

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -59.259+/-9.724 χ^2/NDF:121.5/62

All: -56.244+/-6.915 χ^2/NDF: 197.5/119



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.783+/-0.010 χ^2/NDF: 2096179.0/37

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

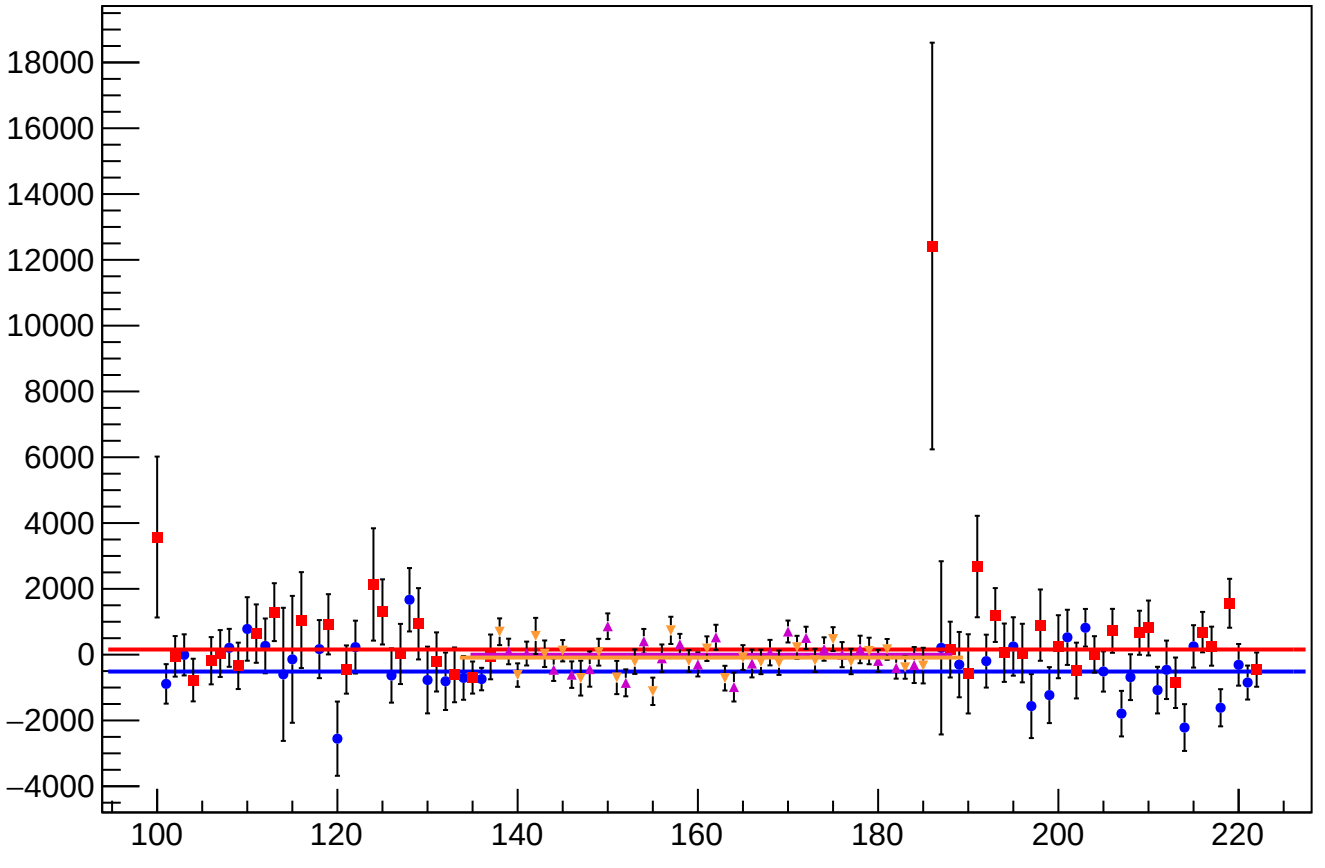
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.196+/-0.007 χ^2/NDF: 3633611.3/71

In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.626+/-0.007 χ^2/NDF:2727304.5/62

All: 61.605+/-0.005 χ^2/NDF: 4699544.4/119



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: 156.533+/-127.622 χ^2/NDF: 35.2/37

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

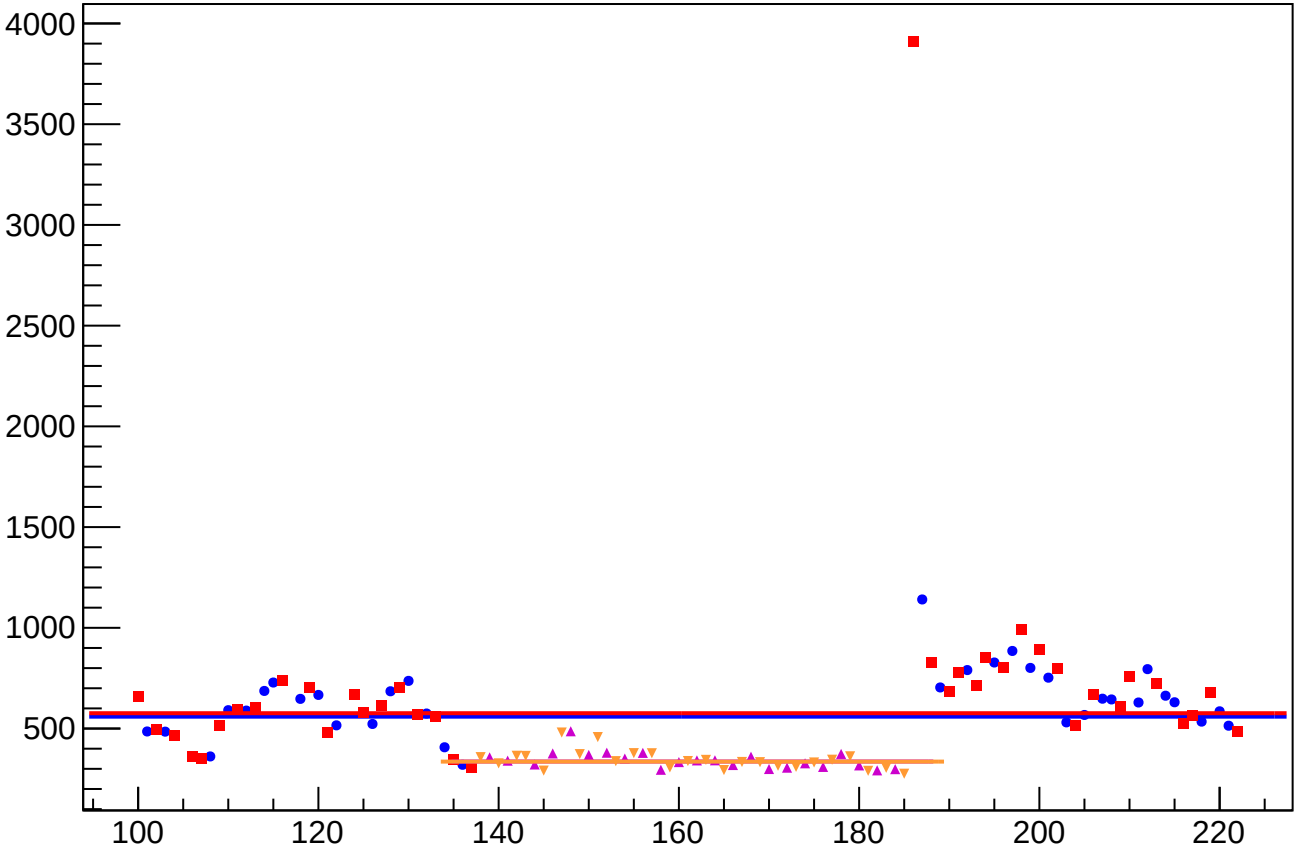
Right: -189.094+/-88.810 χ^2/NDF: 90.7/71

In: -151.537+/-66.690 χ^2/NDF:87.0/56

Out: -23.504+/-65.936 χ^2/NDF:67.8/62

All: -86.793+/-46.888 χ^2/NDF: 156.6/119

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: 576.138+/-0.090 χ^2/NDF: 3576804.5/37

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

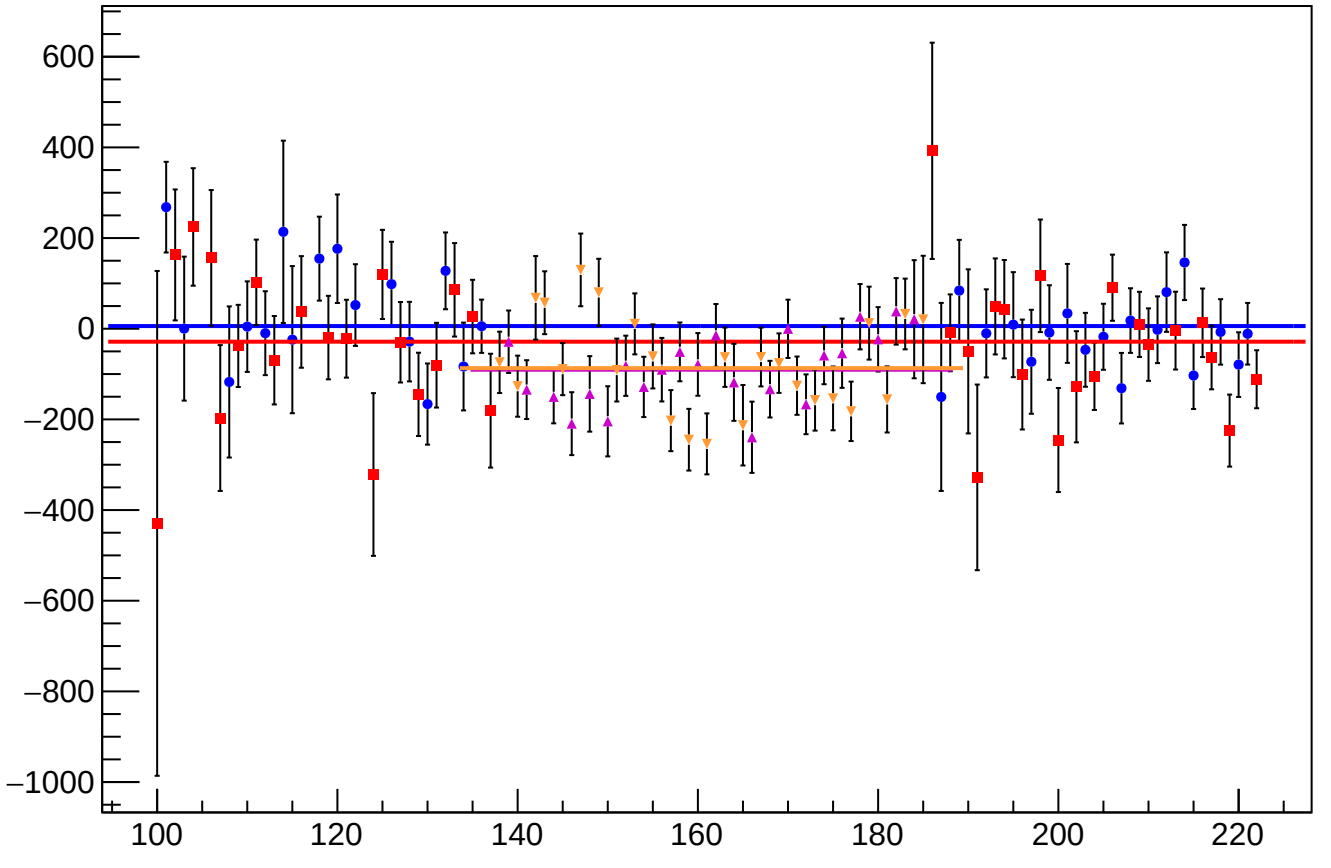
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 567.320+/-0.063 χ^2/NDF: 6445865.6/71

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 400.023+/-0.047 χ^2/NDF:9306160.0/62

All: 400.560+/-0.033 χ^2/NDF: 17170792.9/1



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: -28.592+/-15.902 χ^2/NDF: 45.8/37

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

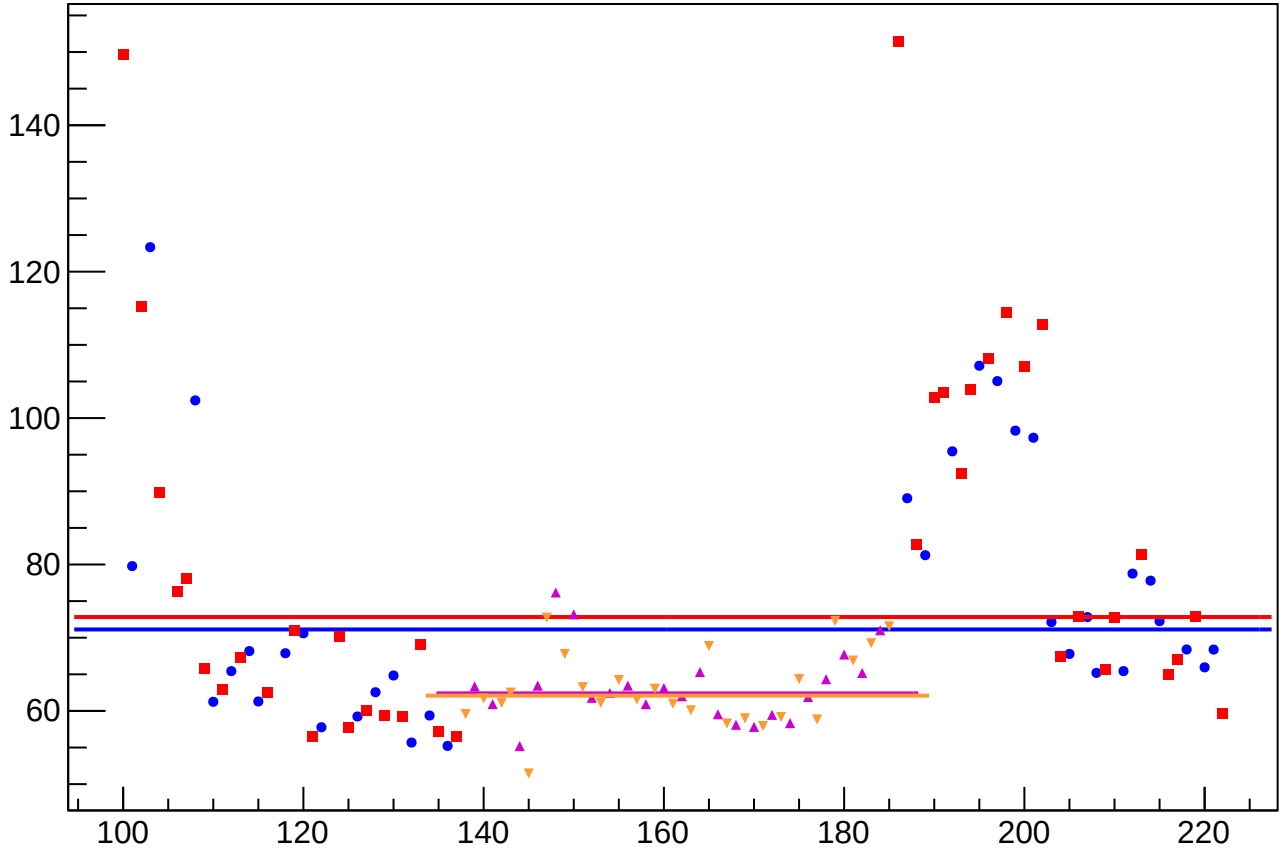
Right: -10.940+/-11.105 χ^2/NDF: 82.0/71

In: -44.988+/-10.654 χ^2/NDF:79.1/56

Out: -61.116+/-10.581 χ^2/NDF:102.1/62

All: -53.108+/-7.508 χ^2/NDF: 182.4/119

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: 72.827+/-0.011 χ^2/NDF: 2193438.3/37

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

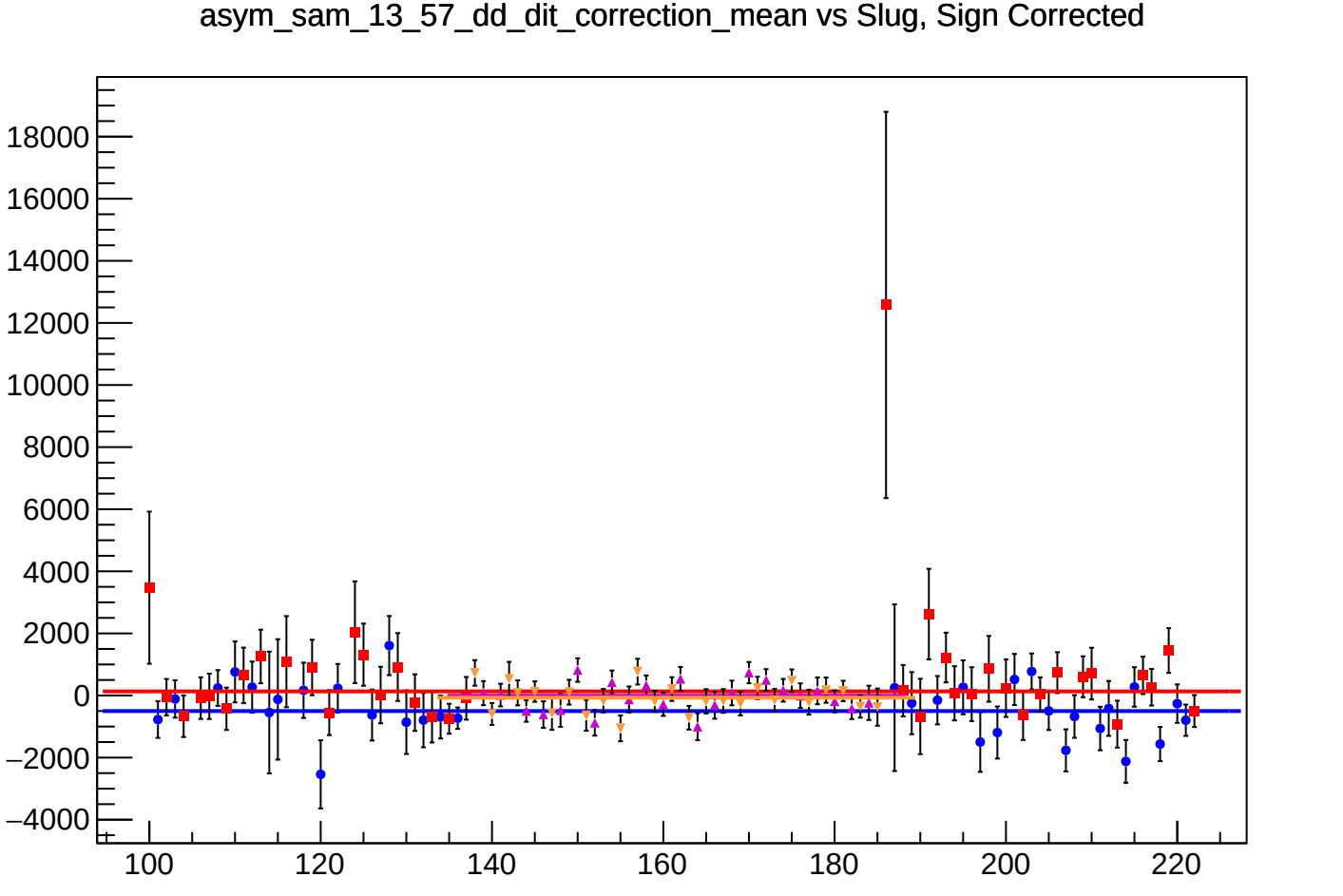
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 71.957+/-0.008 χ^2/NDF: 3744300.5/71

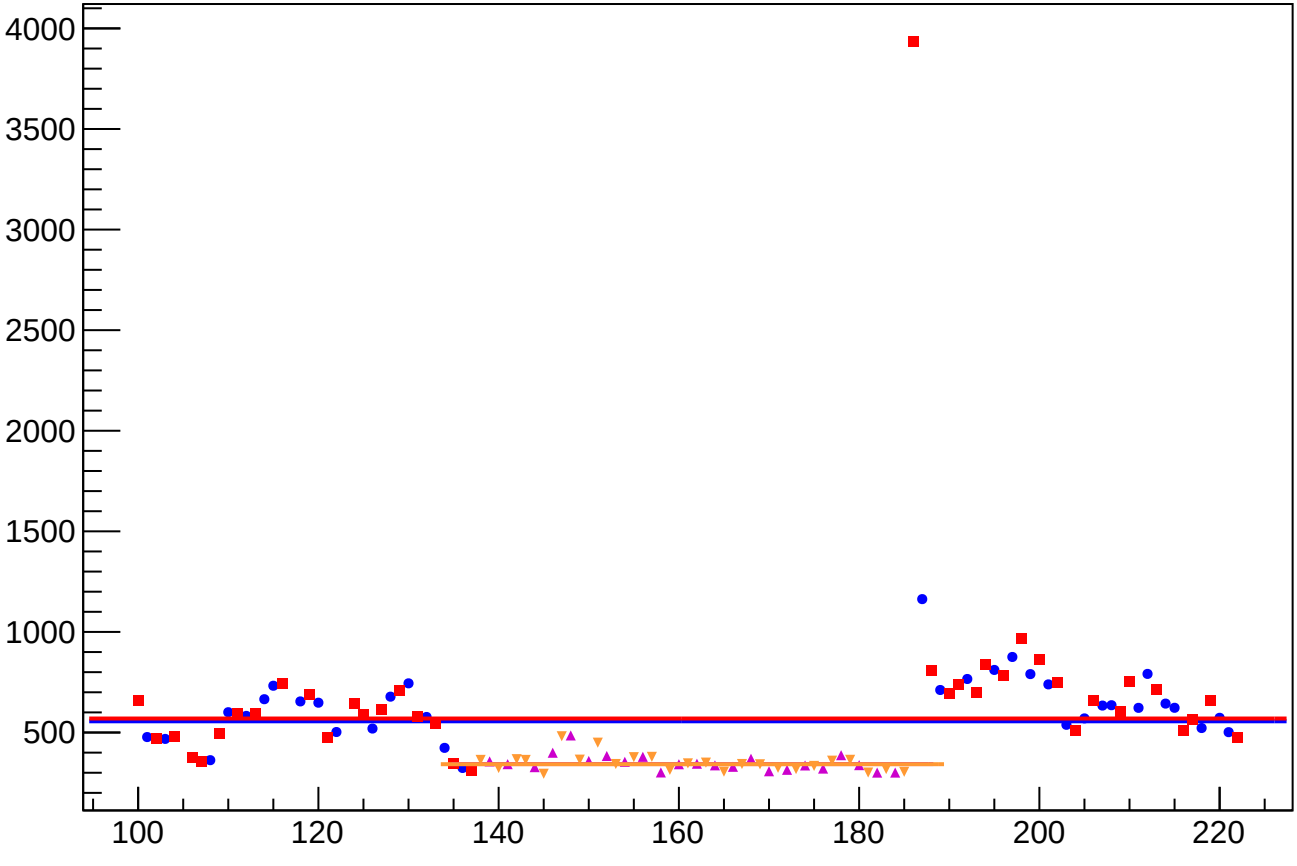
In: 66.513+/-0.008 χ^2/NDF:2062816.4/56

Out: 66.846+/-0.007 χ^2/NDF:2934567.4/62

All: 66.681+/-0.005 χ^2/NDF: 4998364.0/119


asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -501.368+/-122.630 χ²/NDF: 40.1/33
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 133.116+/-125.734 χ²/NDF: 36.4/37
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -192.054+/-87.790 χ²/NDF: 89.5/71
In: -155.946+/-67.447 χ²/NDF:85.5/56
Out: -14.091+/-66.526 χ²/NDF:66.8/62
All: -84.043+/-47.364 χ²/NDF: 154.6/119

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: 569.566+/-0.089 χ^2/NDF: 3418964.5/37

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

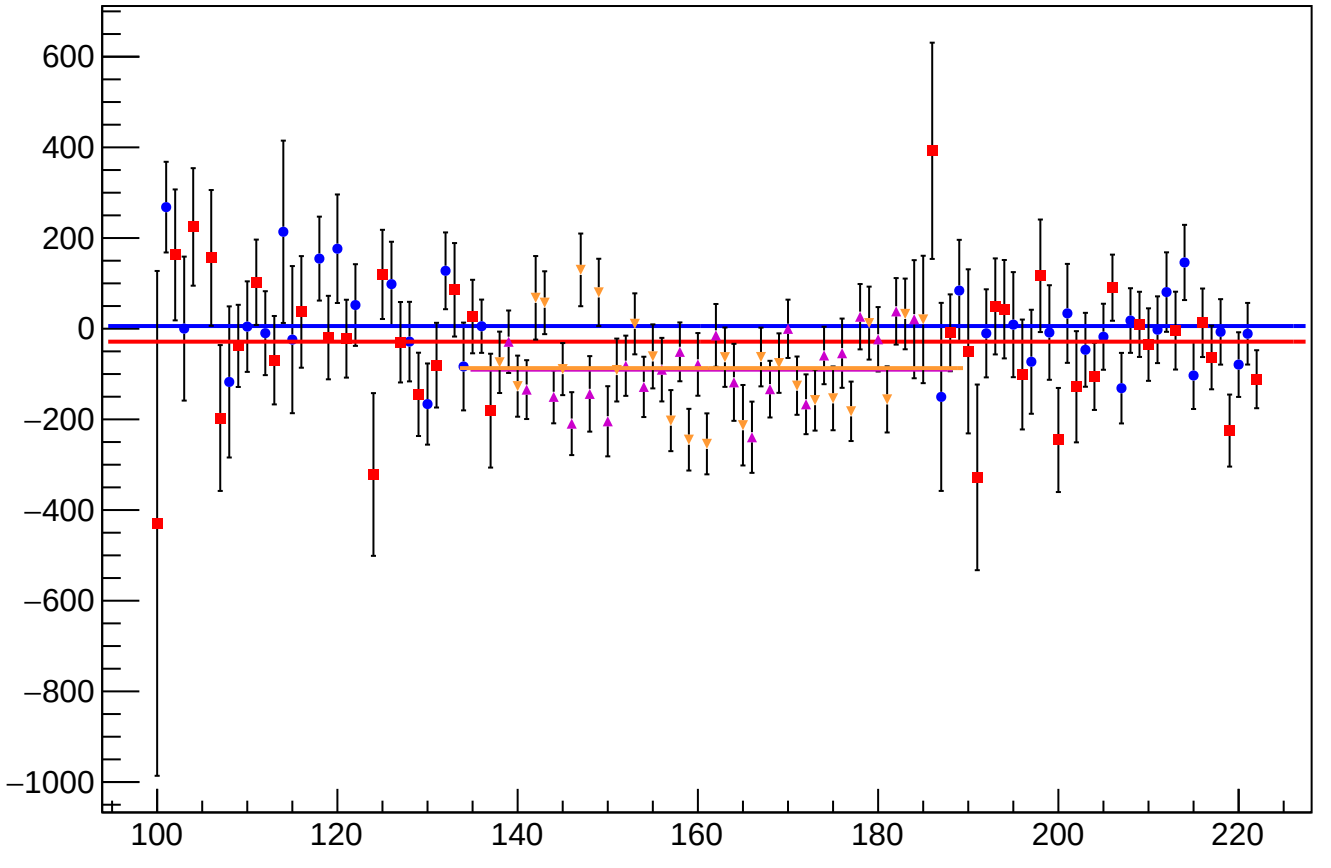
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 562.509+/-0.062 χ^2/NDF: 6143839.6/71

In: 407.543+/-0.048 χ^2/NDF:7276415.3/56

Out: 406.069+/-0.047 χ^2/NDF:8549721.8/62

All: 406.796+/-0.033 χ^2/NDF: 15826621.5/1



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: -28.592+/-15.902 χ^2/NDF: 45.8/37

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

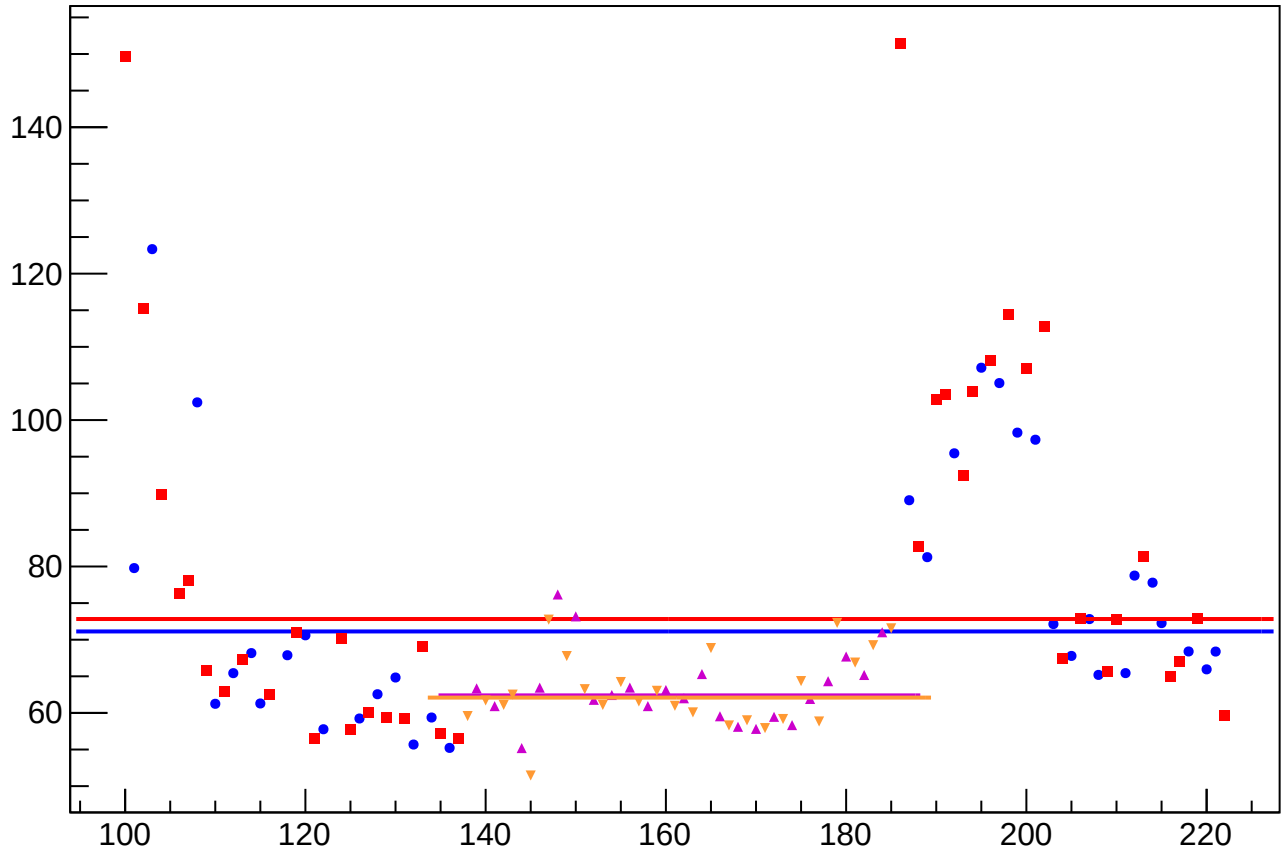
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -10.940+/-11.105 χ^2/NDF: 82.0/71

In: -44.987+/-10.654 χ^2/NDF:79.1/56

Out: -61.116+/-10.581 χ^2/NDF:102.1/62

All: -53.107+/-7.508 χ^2/NDF: 182.4/119



Right In: 71.128+/-0.011 χ^2/NDF: 1539191.3/33

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 72.827+/-0.011 χ^2/NDF: 2193443.8/37

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

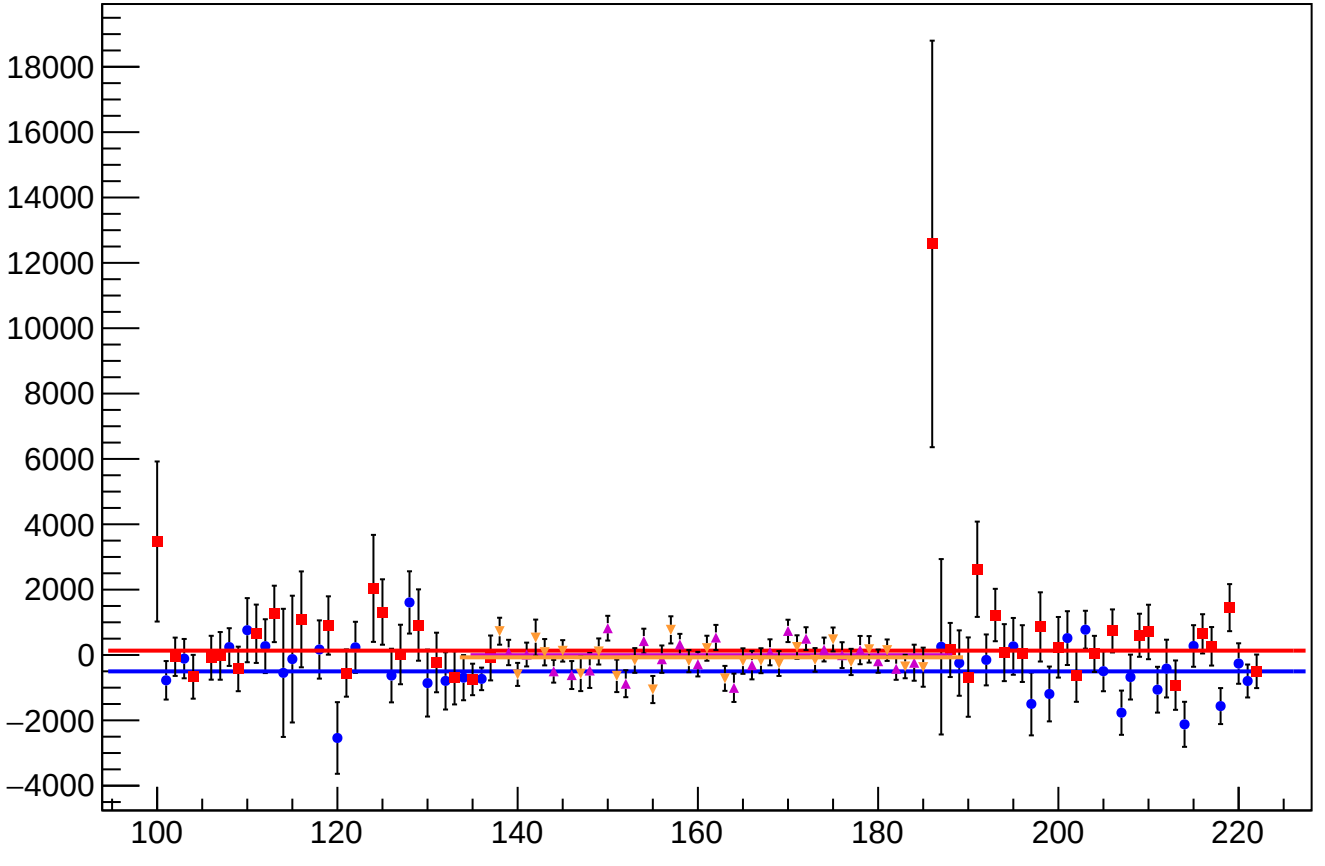
Right: 71.957+/-0.008 χ^2/NDF: 3744329.3/71

In: 66.513+/-0.008 χ^2/NDF:2062838.1/56

Out: 66.846+/-0.007 χ^2/NDF:2934571.8/62

All: 66.681+/-0.005 χ^2/NDF: 4998389.9/119

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: 133.116+/-125.734 χ^2/NDF: 36.4/37

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

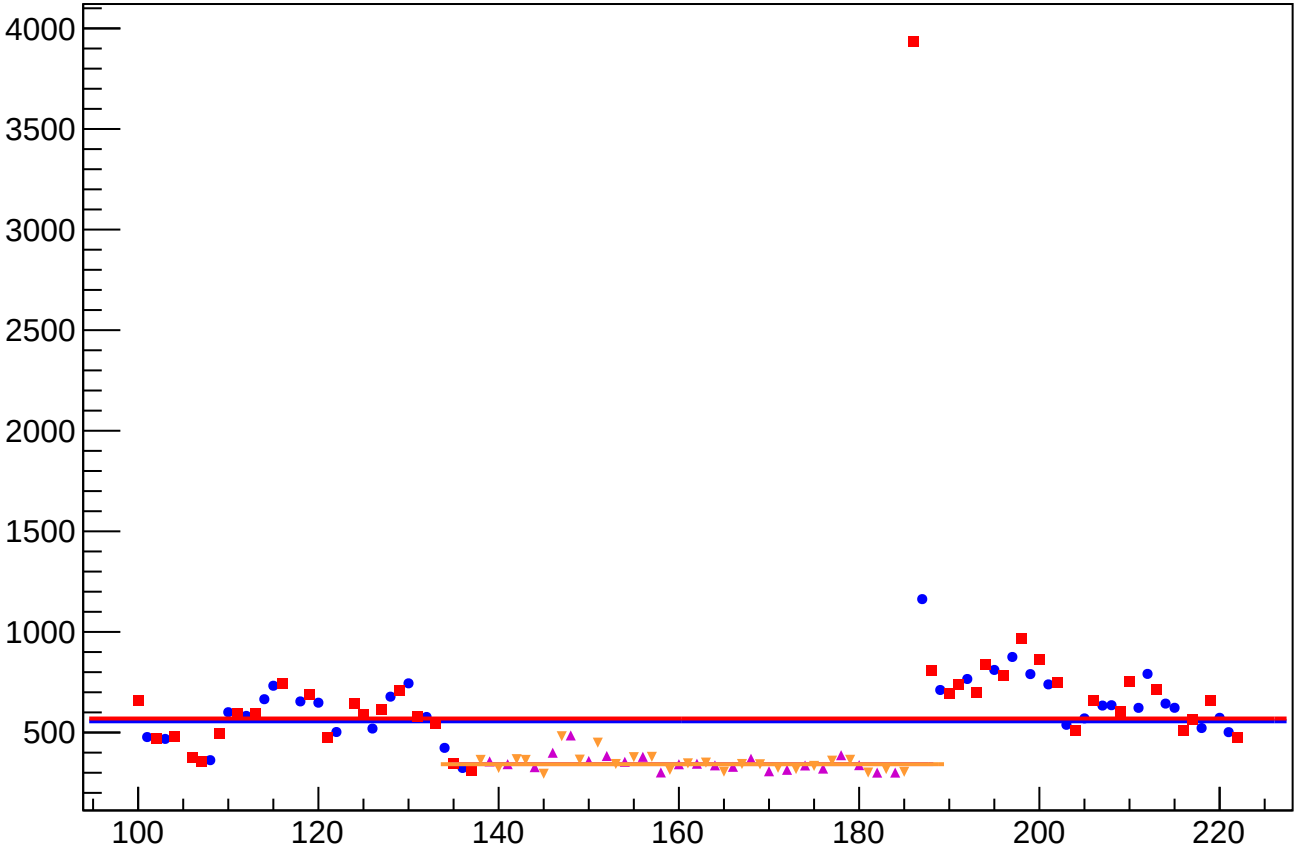
Right: -192.054+/-87.790 χ^2/NDF: 89.5/71

In: -155.946+/-67.447 χ^2/NDF:85.5/56

Out: -14.091+/-66.526 χ^2/NDF:66.8/62

All: -84.043+/-47.364 χ^2/NDF: 154.6/119

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: 569.565+/-0.089 χ^2/NDF: 3418970.4/37

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

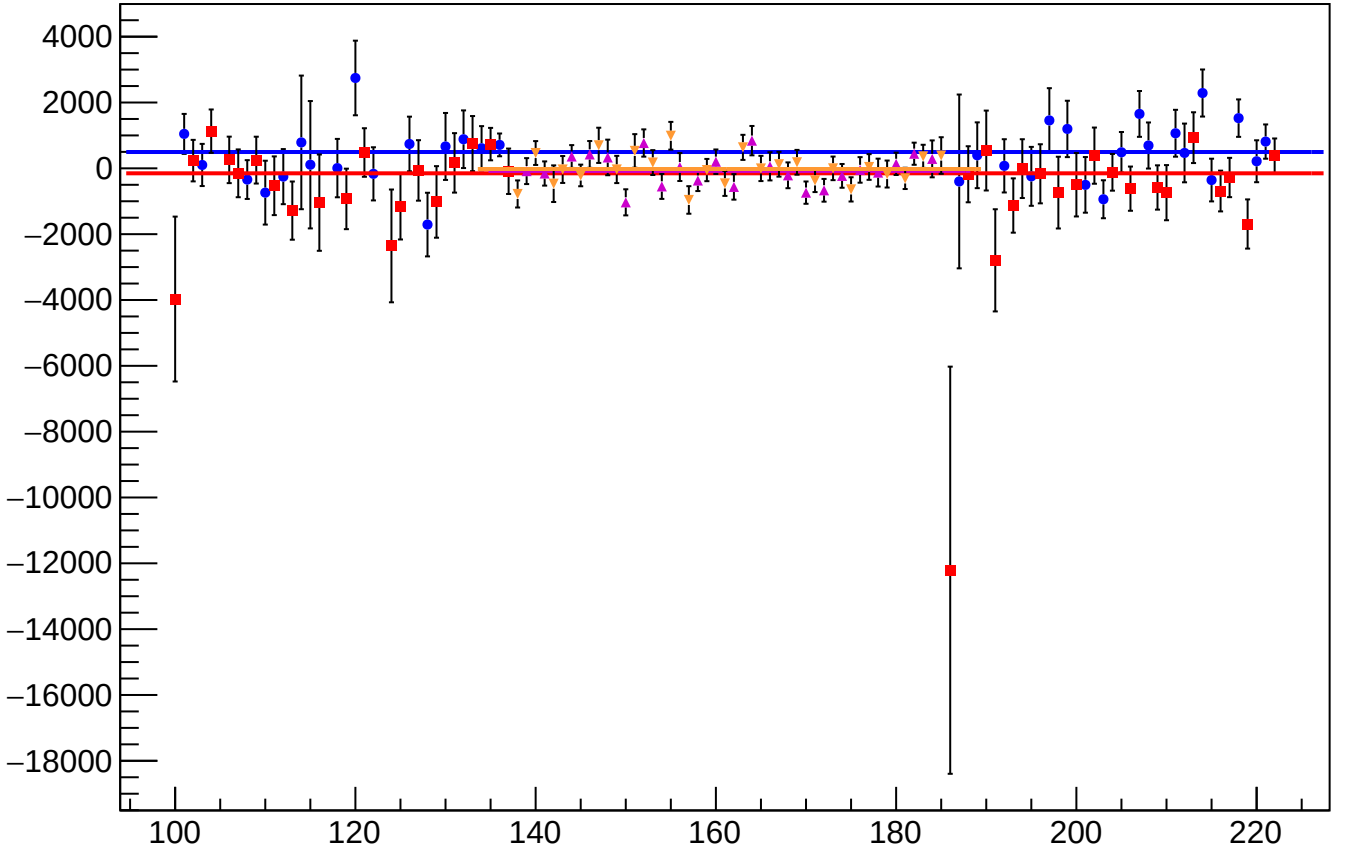
Right: 562.508+/-0.062 χ^2/NDF: 6143848.3/71

In: 407.543+/-0.048 χ^2/NDF:7276398.6/56

Out: 406.069+/-0.047 χ^2/NDF:8549708.2/62

All: 406.796+/-0.033 χ^2/NDF: 15826591.4/1

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: -151.070+/-128.581 χ^2/NDF: 37.4/37

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

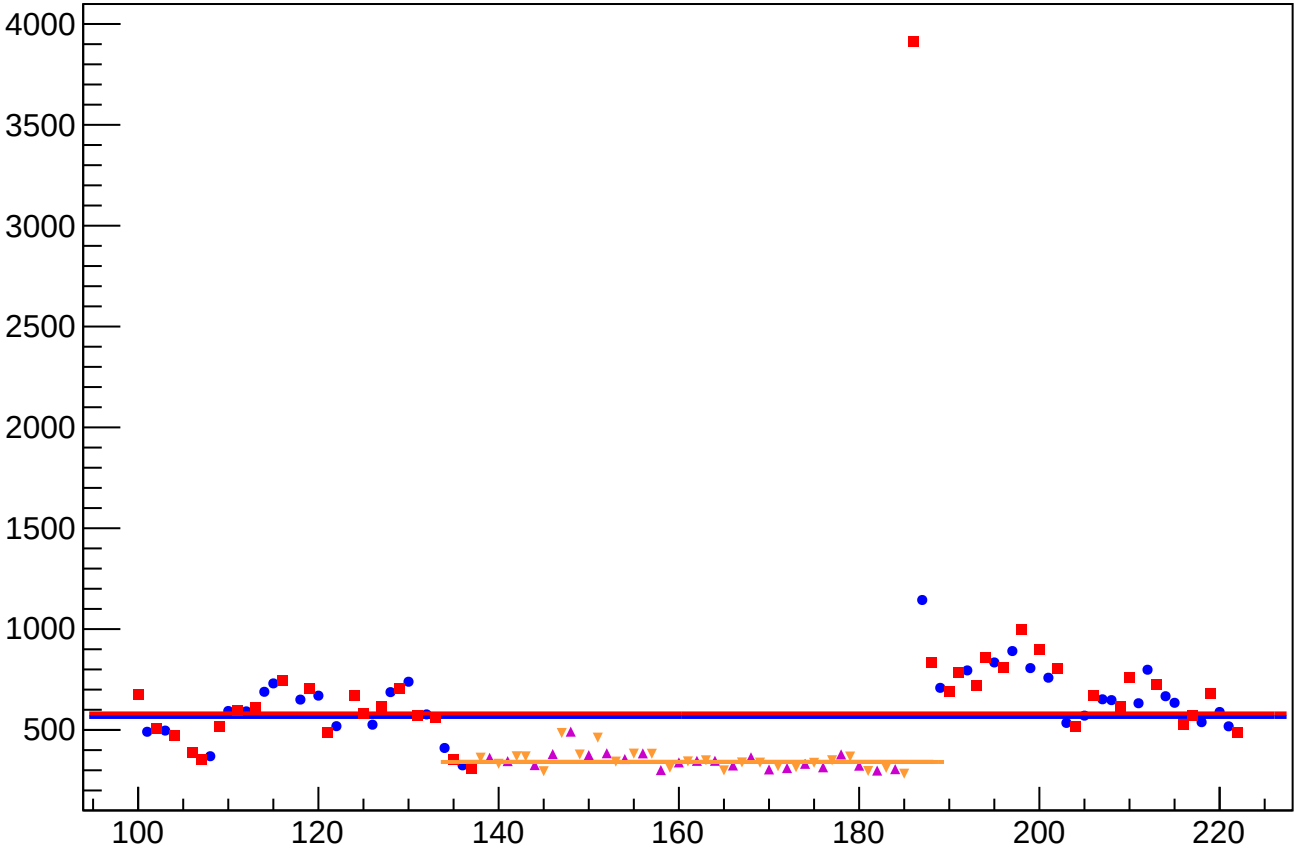
Right: 182.315+/-89.536 χ^2/NDF: 92.6/71

In: 90.009+/-67.587 χ^2/NDF:90.1/56

Out: -55.586+/-66.811 χ^2/NDF:69.6/62

All: 16.371+/-47.515 χ^2/NDF: 162.0/119

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: 581.849+/-0.091 χ^2/NDF: 3490540.0/37

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

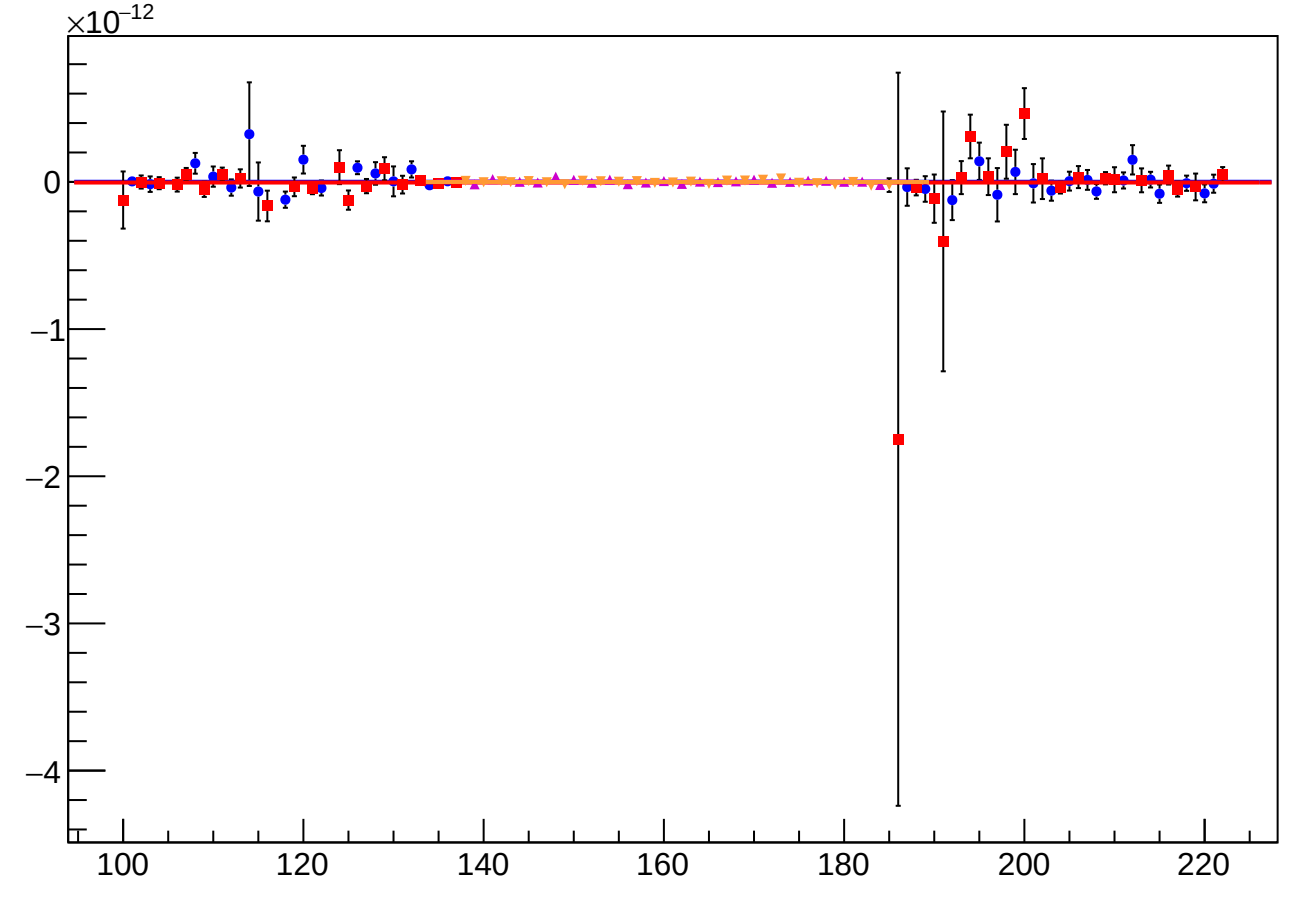
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 572.895+/-0.063 χ^2/NDF: 6292486.5/71

In: 407.030+/-0.048 χ^2/NDF:7688517.6/56

Out: 406.172+/-0.047 χ^2/NDF:9115572.4/62

All: 406.596+/-0.034 χ^2/NDF: 16804252.9/11



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: 33.4/37

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

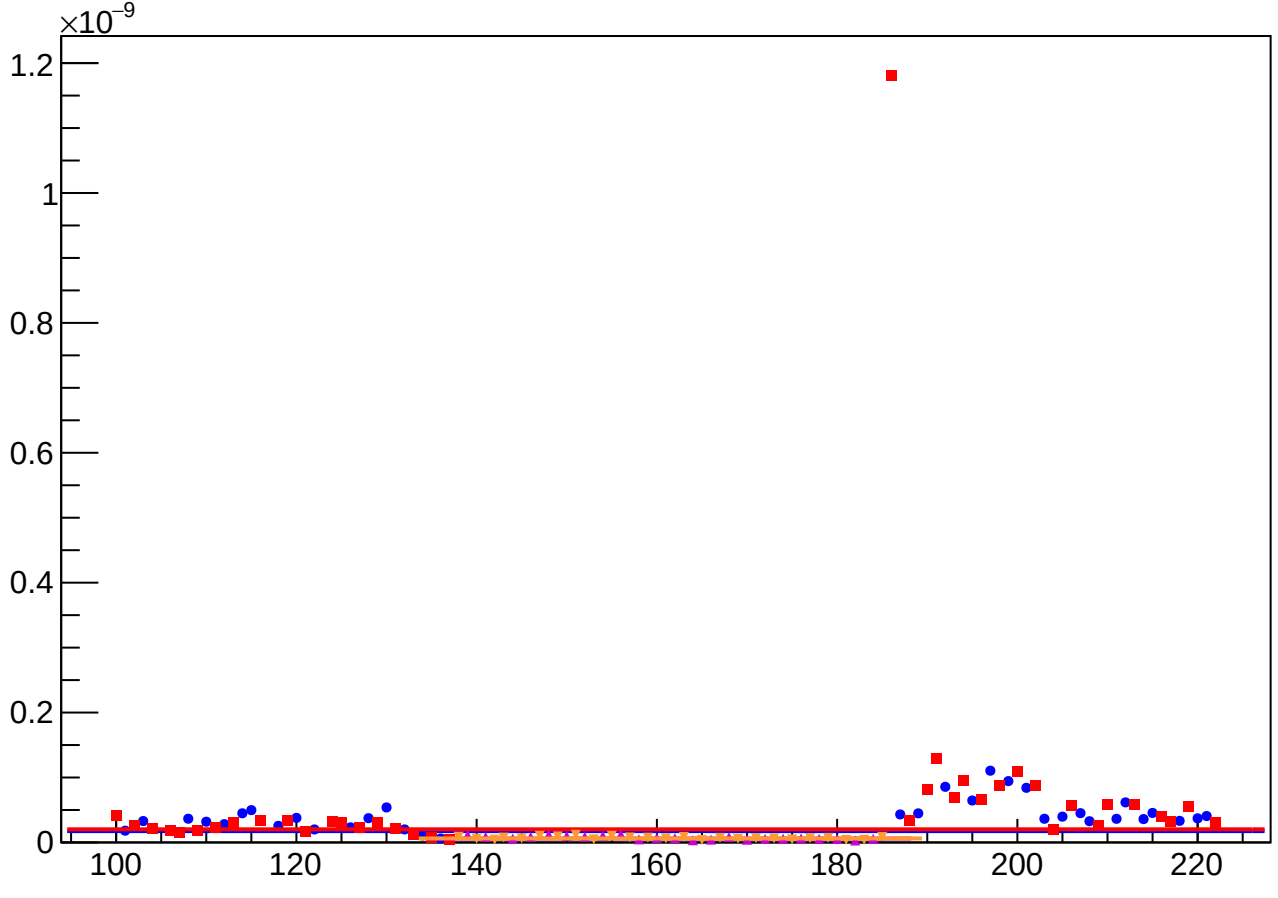
Right: -0.000+/-0.000 χ^2/NDF: 66.3/71

In: 0.000+/-0.000 χ^2/NDF:47.1/56

Out: -0.000+/-0.000 χ^2/NDF:52.8/62

All: 0.000+/-0.000 χ^2/NDF: 100.6/119

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: 7926042.8/37

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

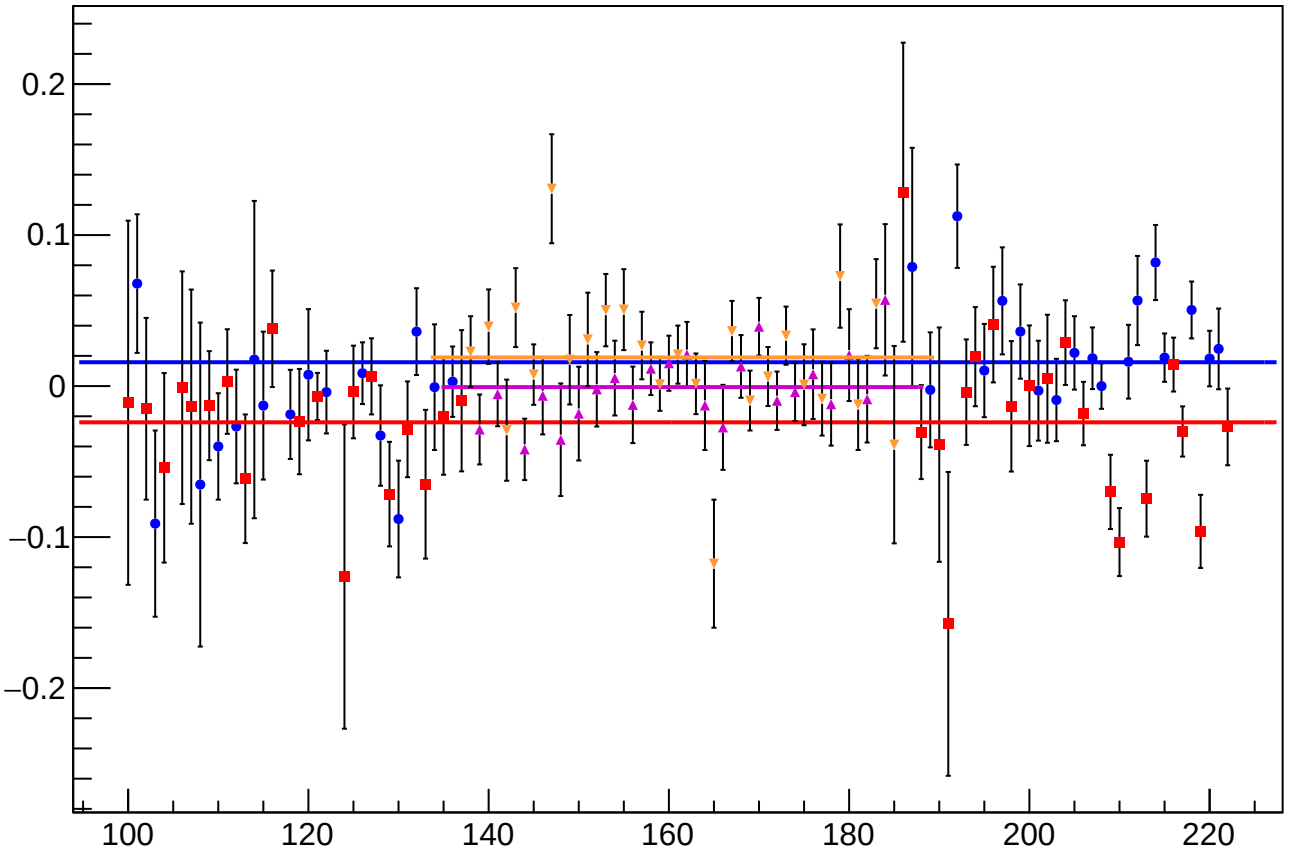
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17365812.6/71

In: 0.000+/-0.000 χ^2/NDF:15365899.2/56

Out: 0.000+/-0.000 χ^2/NDF:14579842.2/62

All: 0.000+/-0.000 χ^2/NDF: 29947574.5/119



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: 58.5/37

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

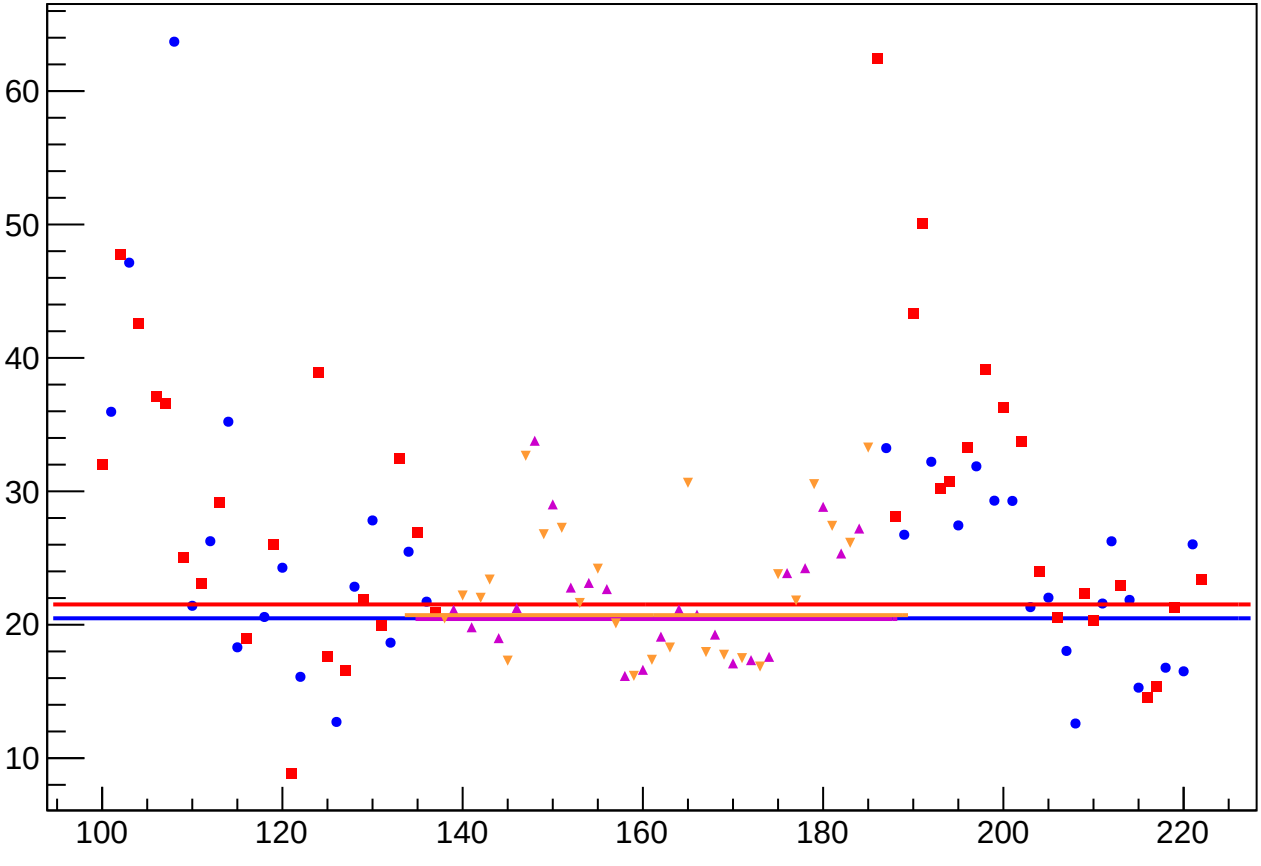
Right: -0.003+/-0.003 χ^2/NDF: 138.1/71

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.004 χ^2/NDF:137.1/62

All: 0.003+/-0.002 χ^2/NDF: 211.1/119

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.483+/-0.003 χ^2/NDF: 3589108.6/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.522+/-0.004 χ^2/NDF: 5154730.4/37

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

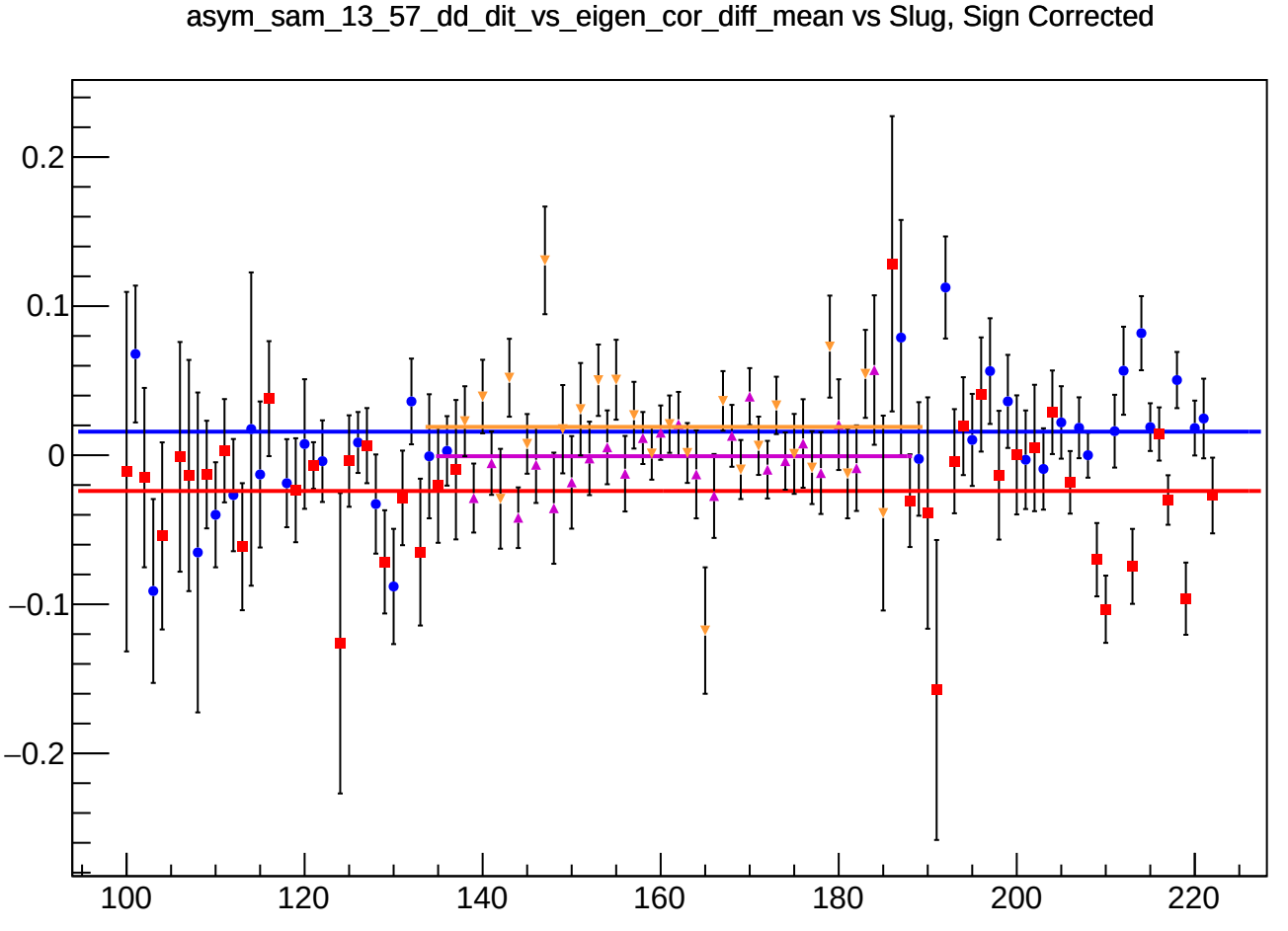
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.970+/-0.002 χ^2/NDF: 8788633.4/71

In: 20.457+/-0.002 χ^2/NDF:4763183.0/56

Out: 21.105+/-0.002 χ^2/NDF:6687301.6/62

All: 20.773+/-0.002 χ^2/NDF: 11485402.6/119



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: 58.5/37

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

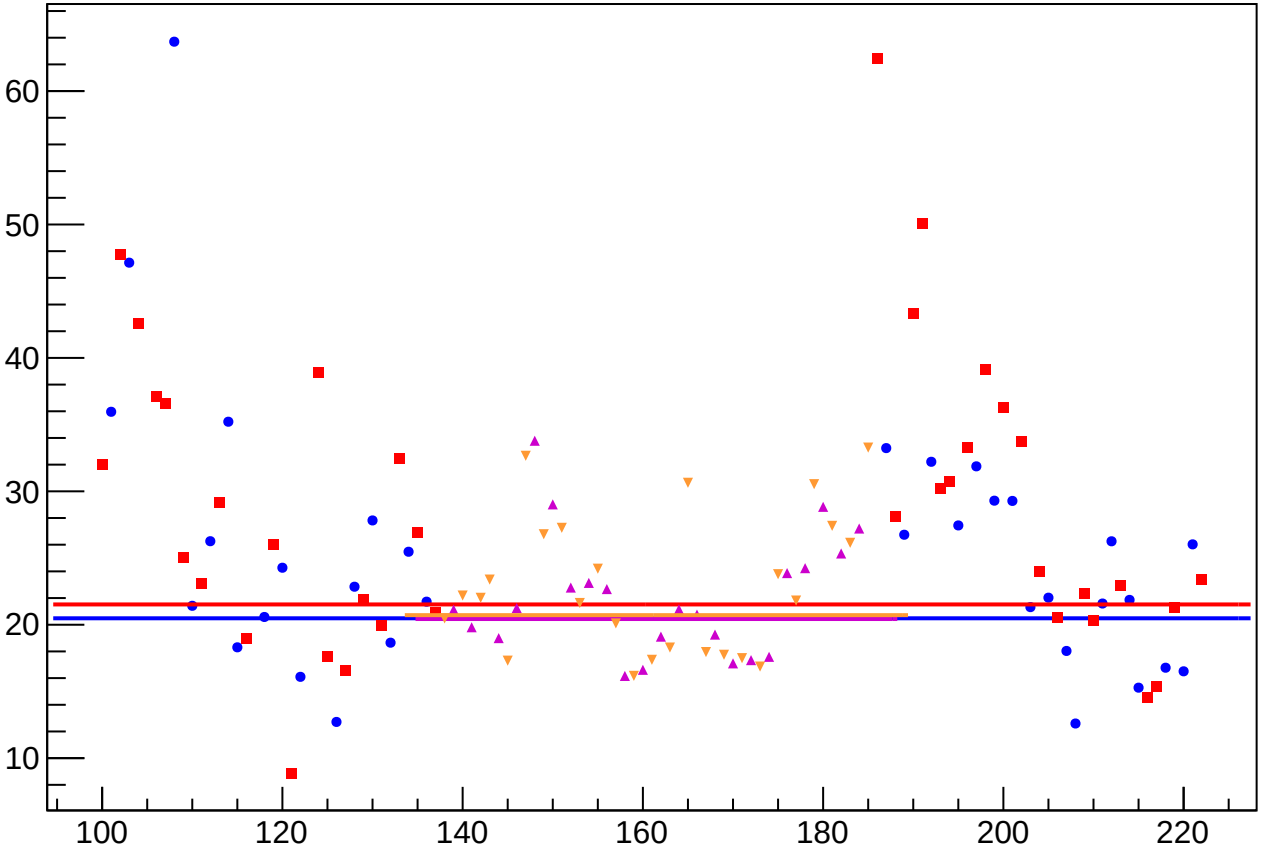
Right: -0.003+/-0.003 χ^2/NDF: 138.1/71

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.004 χ^2/NDF:137.1/62

All: 0.003+/-0.002 χ^2/NDF: 211.1/119

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: 21.522+/-0.004 χ^2/NDF: 5154730.4/37

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

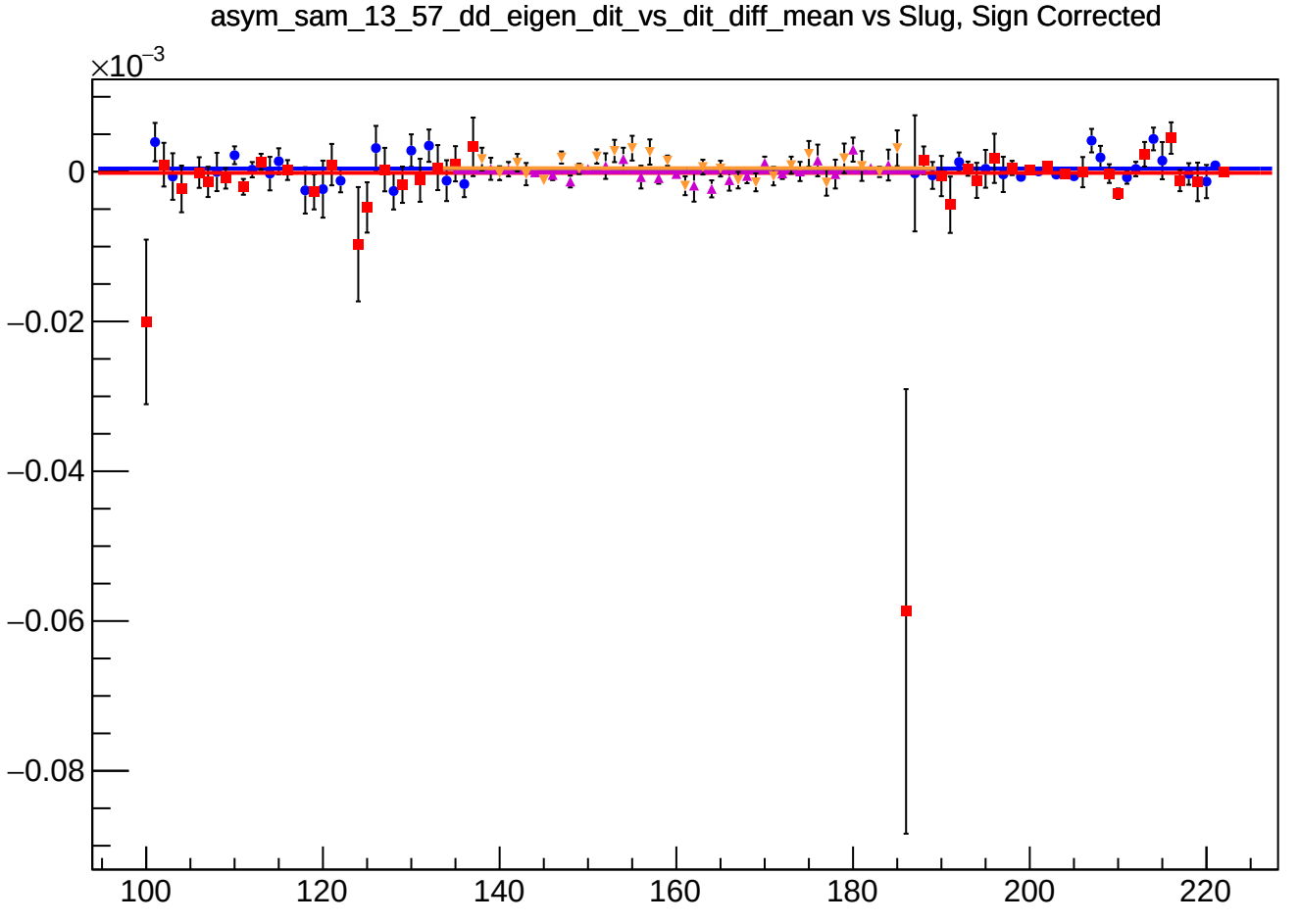
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.970+/-0.002 χ^2/NDF: 8788633.4/71

In: 20.457+/-0.002 χ^2/NDF:4763183.0/56

Out: 21.105+/-0.002 χ^2/NDF:6687301.6/62

All: 20.773+/-0.002 χ^2/NDF: 11485402.6/119



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: 50.5/37

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

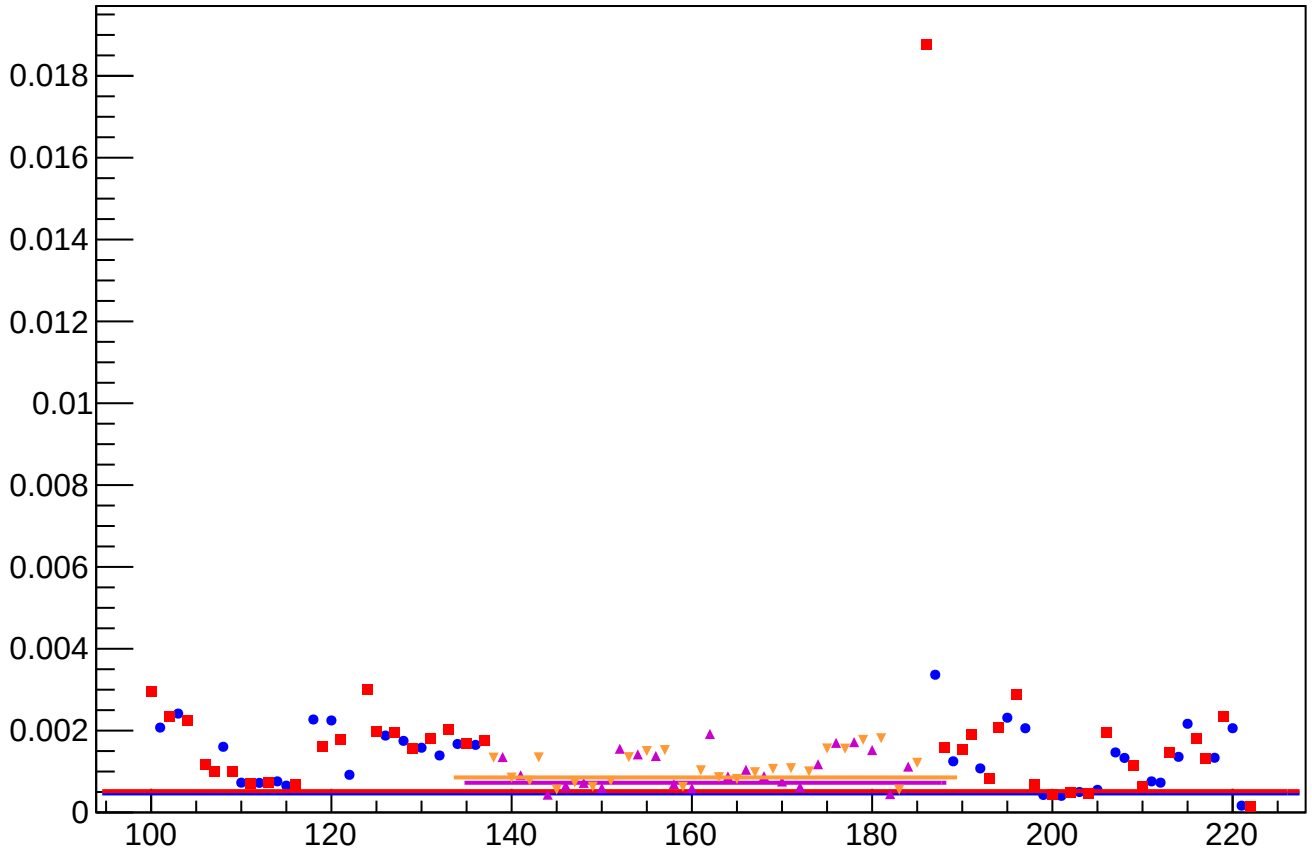
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 104.8/71

In: 0.000+/-0.000 χ^2/NDF:70.9/56

Out: 0.000+/-0.000 χ^2/NDF:92.8/62

All: 0.000+/-0.000 χ^2/NDF: 164.7/119



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: 19411891.2/37

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

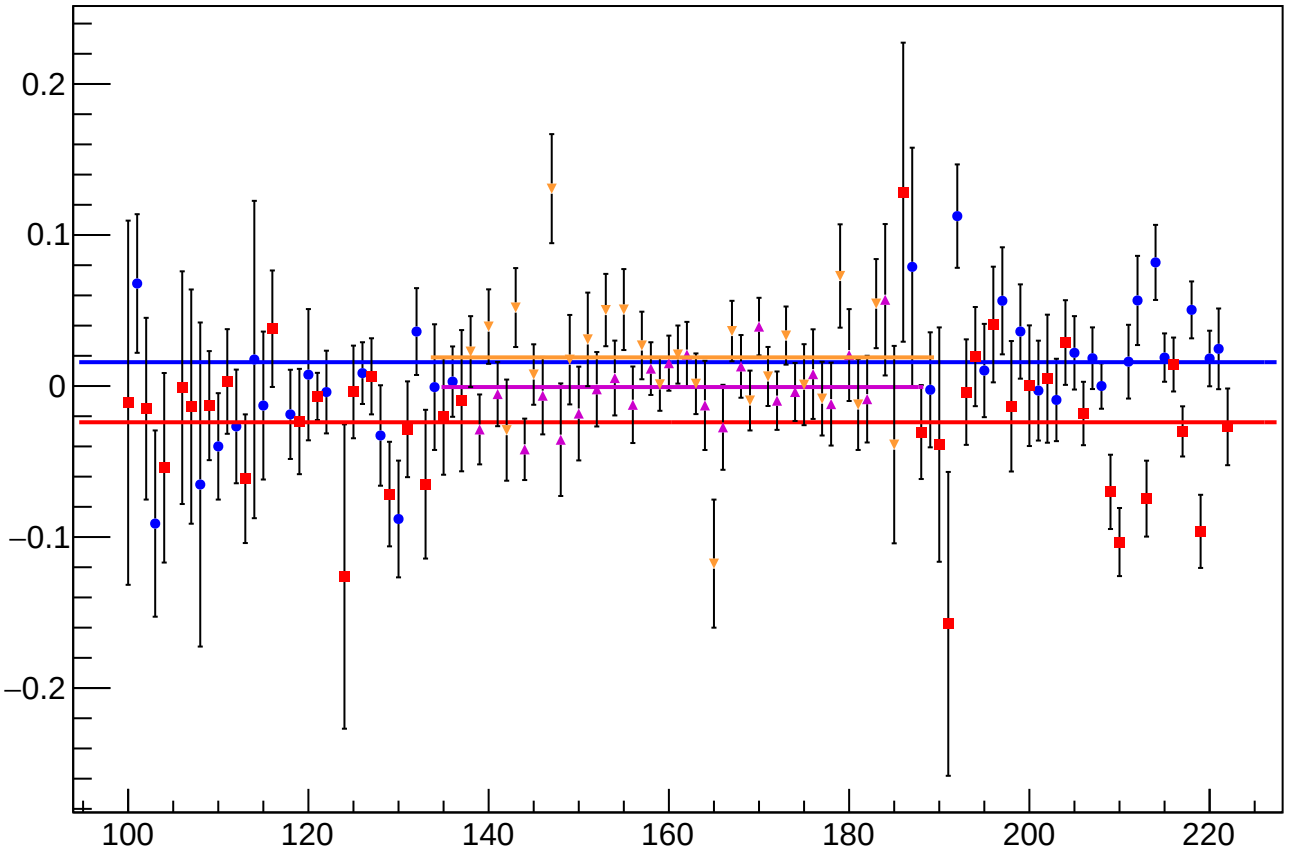
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.000+/-0.000 χ^2/NDF: 38913711.9/71

In: 0.001+/-0.000 χ^2/NDF:27620611.5/56

Out: 0.001+/-0.000 χ^2/NDF:27058378.2/62

All: 0.001+/-0.000 χ^2/NDF: 55136631.5/119



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: 58.5/37

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

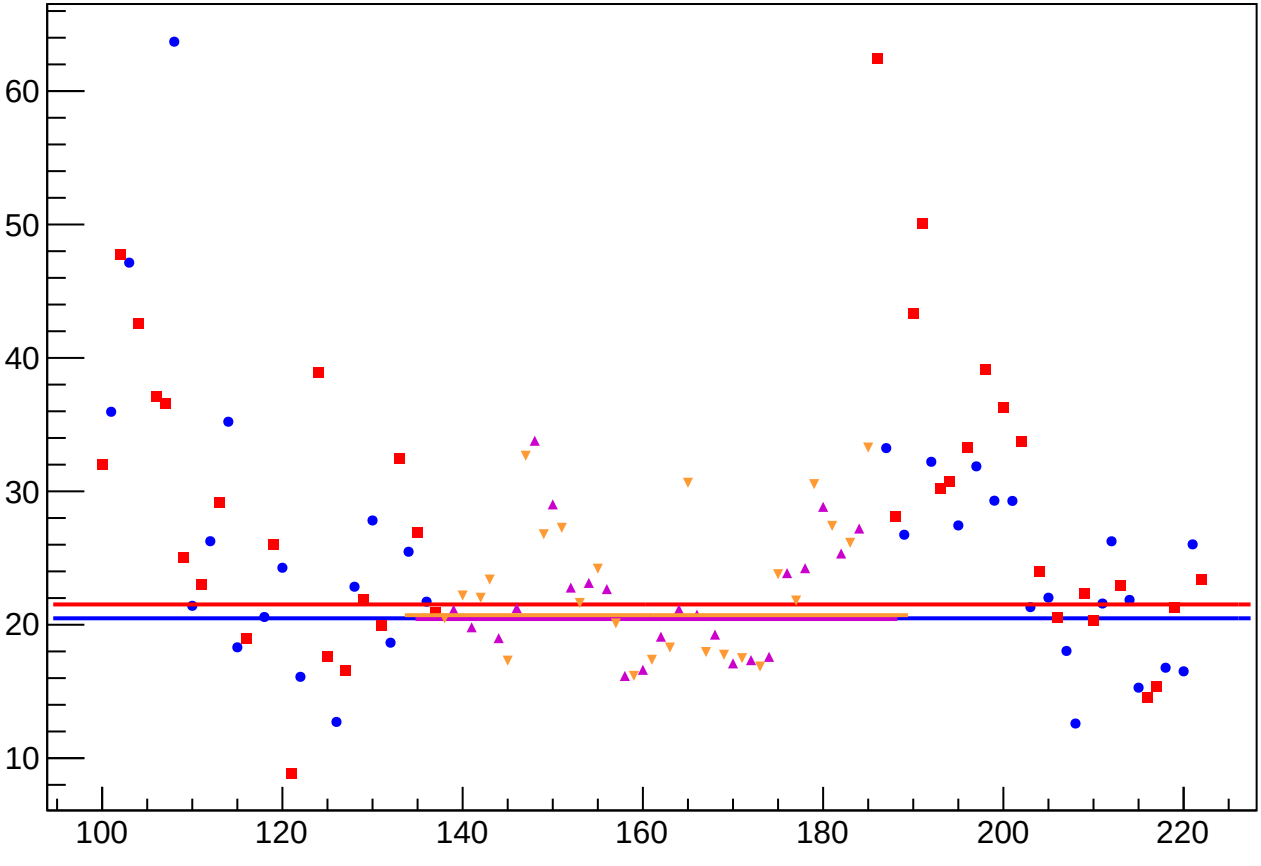
Right: -0.003+/-0.003 χ^2/NDF: 138.1/71

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.004 χ^2/NDF:137.1/62

All: 0.003+/-0.002 χ^2/NDF: 211.1/119

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: 21.522+/-0.004 χ^2/NDF: 5154203.5/37

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

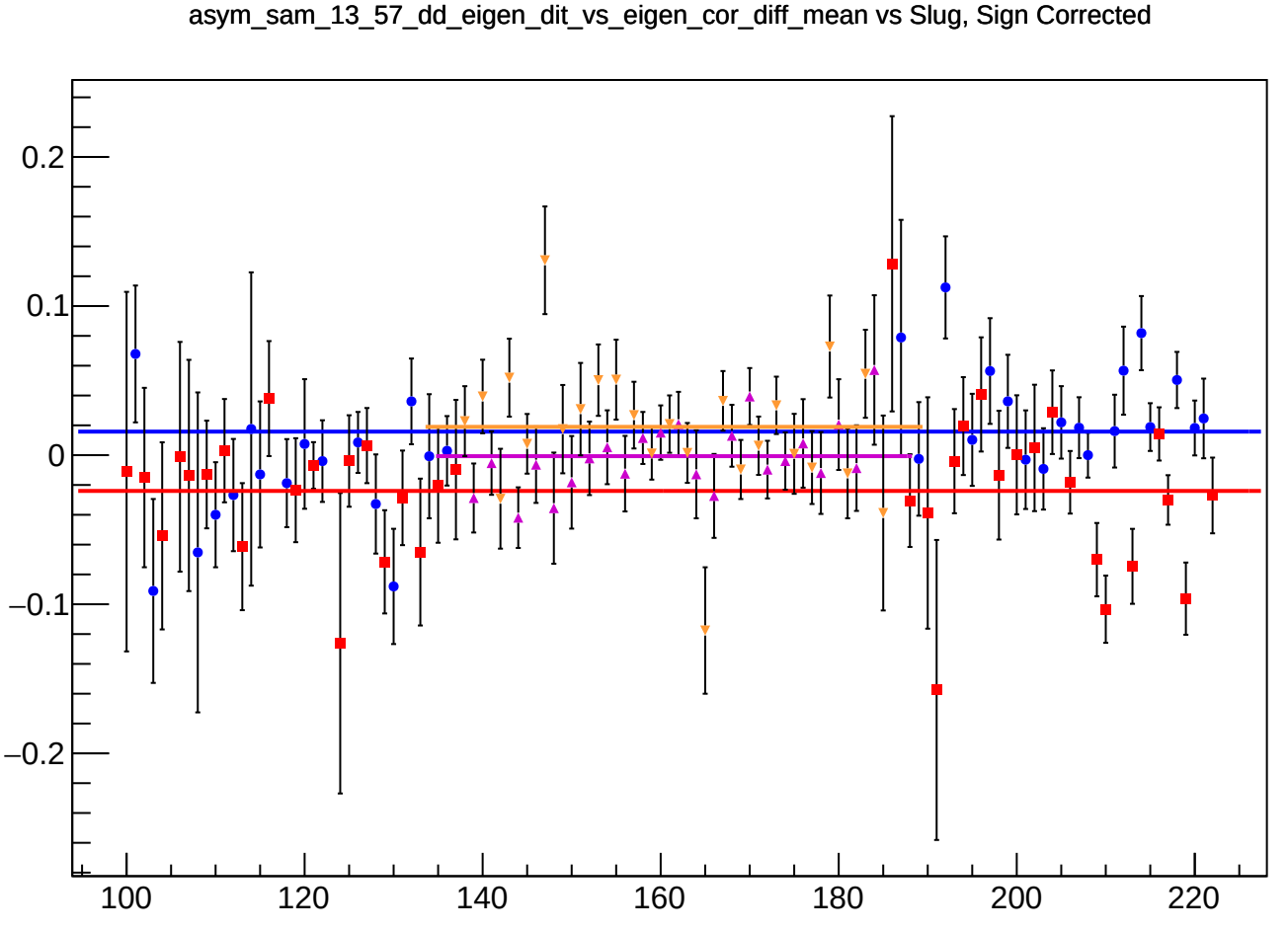
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.970+/-0.002 χ^2/NDF: 8788020.5/71

In: 20.457+/-0.002 χ^2/NDF:4763127.2/56

Out: 21.105+/-0.002 χ^2/NDF:6686903.2/62

All: 20.773+/-0.002 χ^2/NDF: 11484953.0/119



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: 58.5/37

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

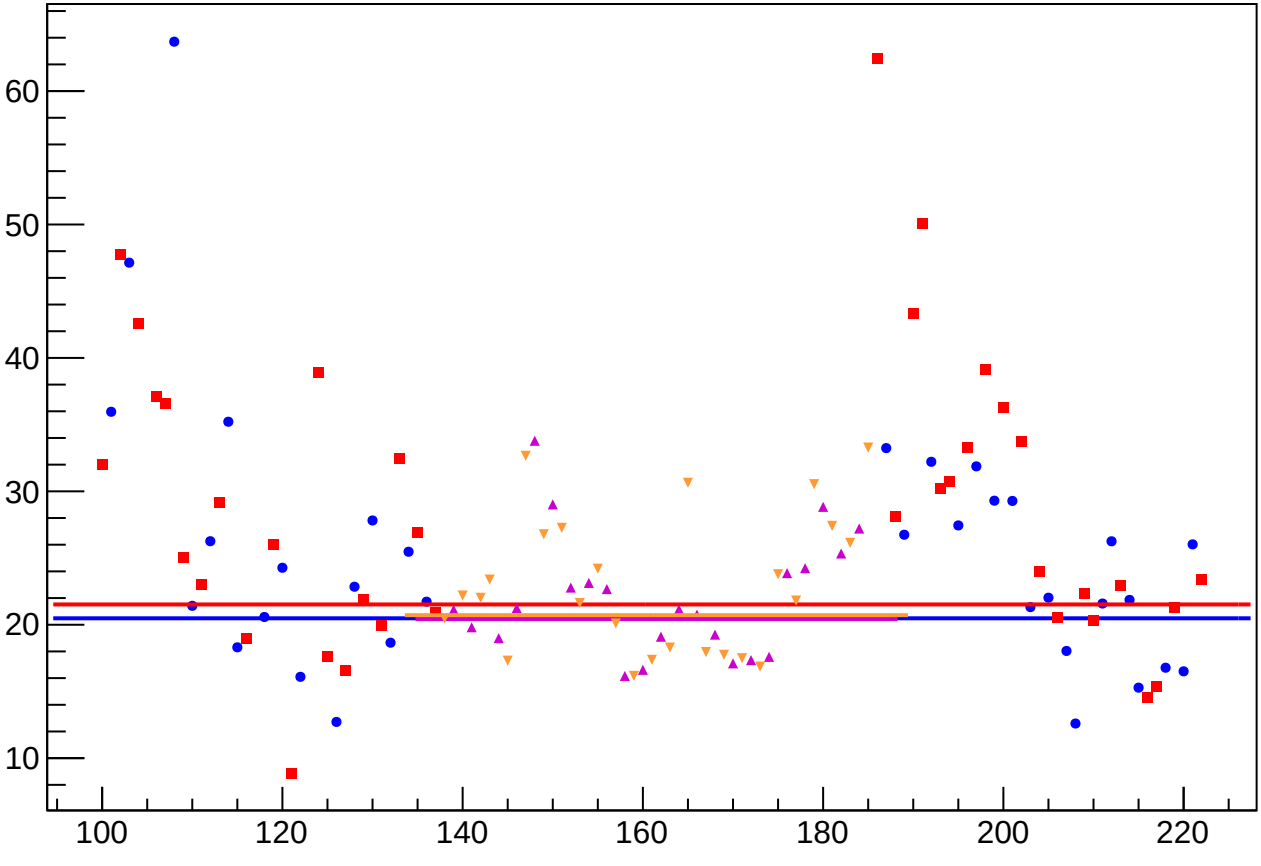
Right: -0.003+/-0.003 χ^2/NDF: 138.1/71

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.004 χ^2/NDF:137.1/62

All: 0.003+/-0.002 χ^2/NDF: 211.1/119

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: 21.522+/-0.004 χ^2/NDF: 5154203.5/37

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

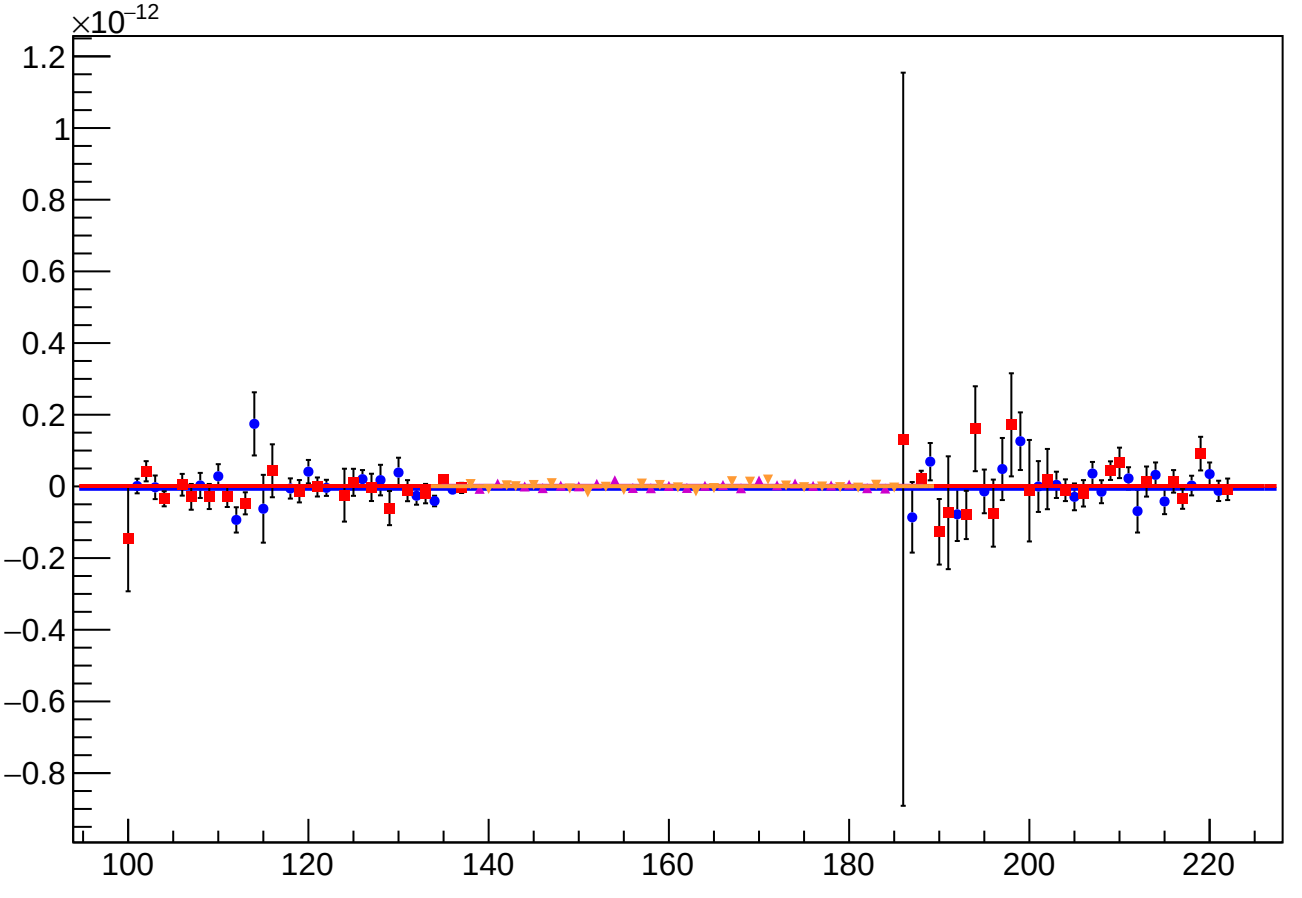
Right: 20.970+/-0.002 χ^2/NDF: 8788020.5/71

In: 20.457+/-0.002 χ^2/NDF:4763127.2/56

Out: 21.105+/-0.002 χ^2/NDF:6686903.2/62

All: 20.773+/-0.002 χ^2/NDF: 11484953.0/119

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: 36.8/37

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

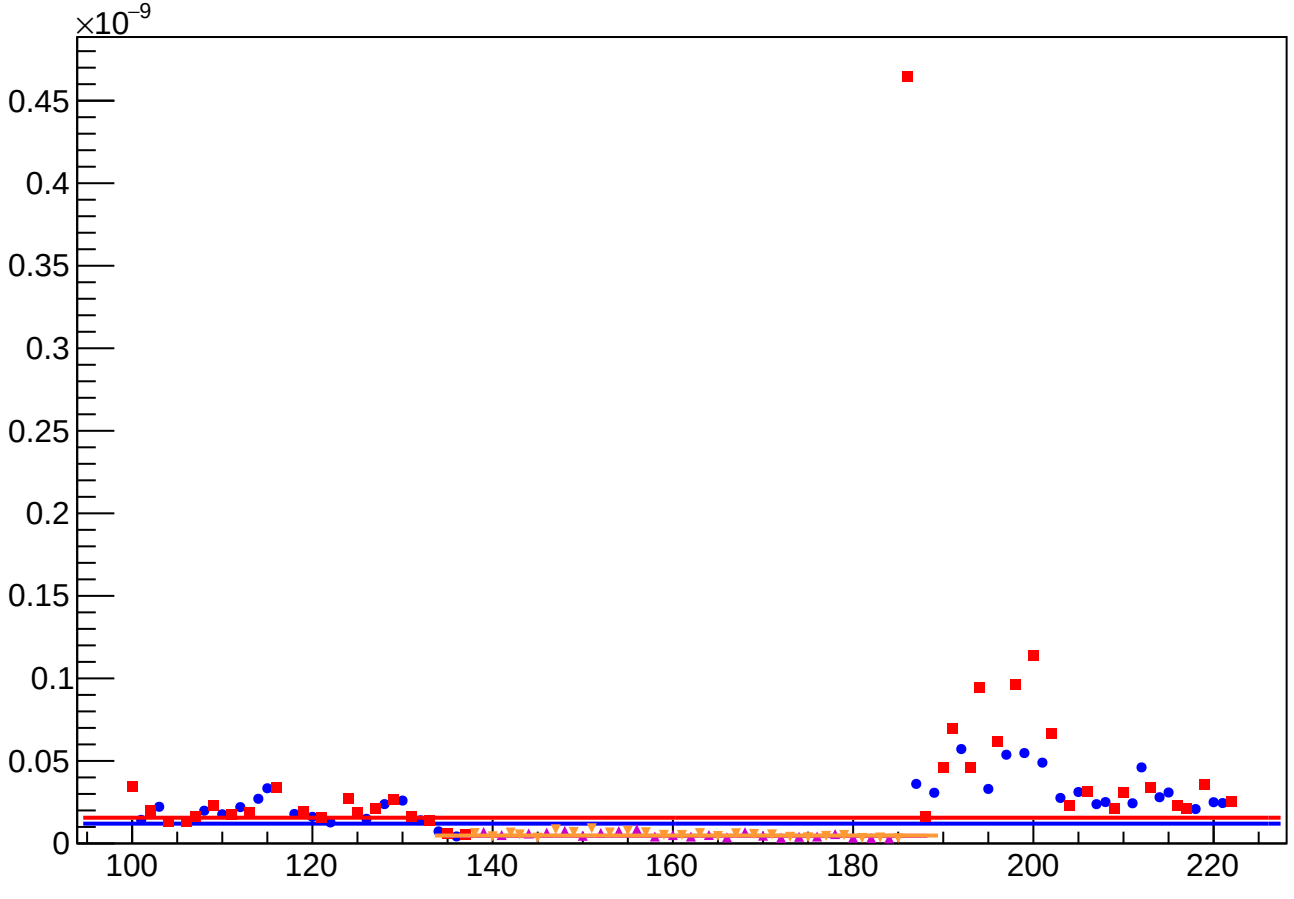
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.2/71

In: 0.000+/-0.000 χ^2/NDF:62.3/56

Out: 0.000+/-0.000 χ^2/NDF:65.8/62

All: 0.000+/-0.000 χ^2/NDF: 128.1/119



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: 10527389.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

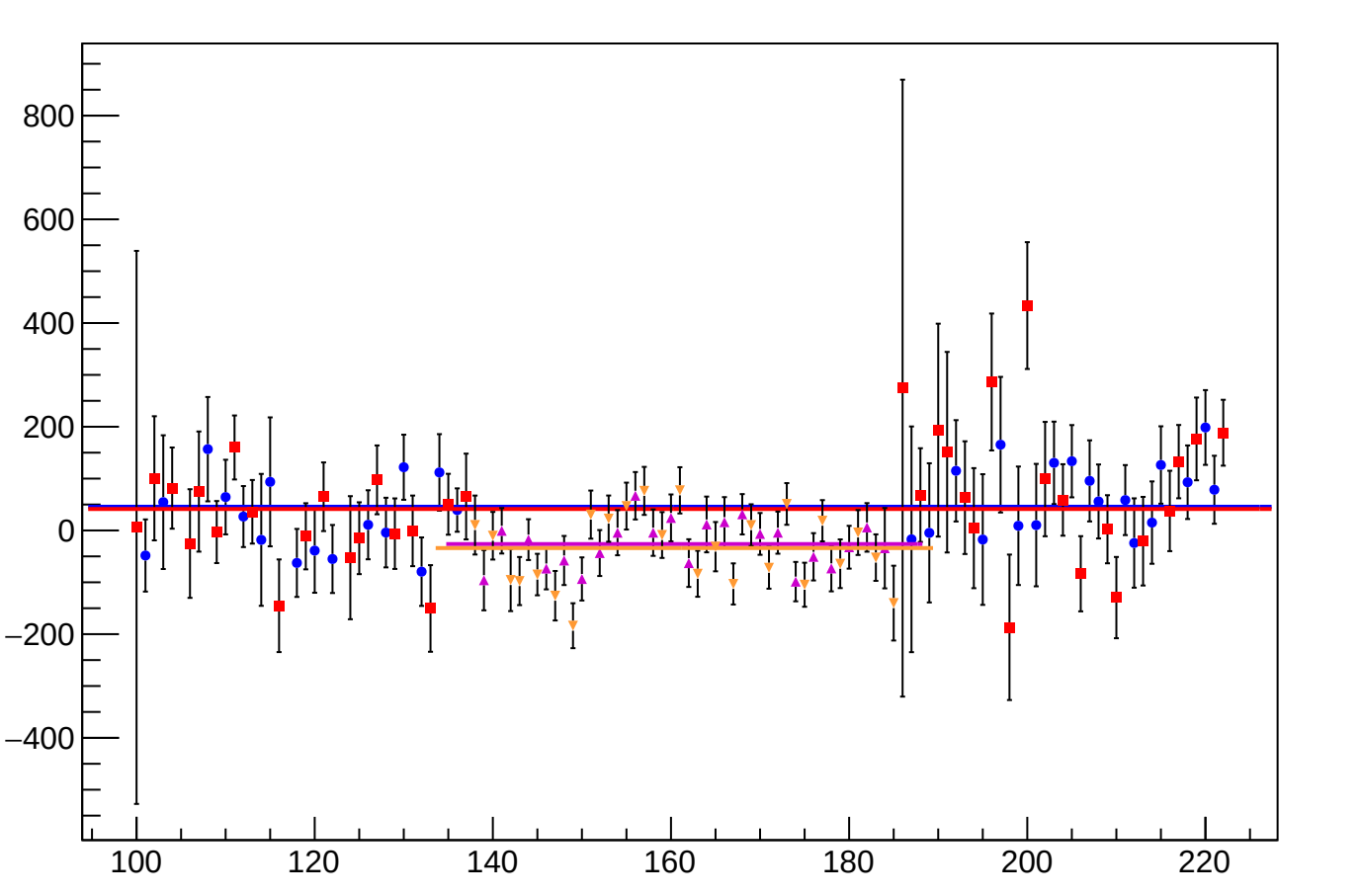
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

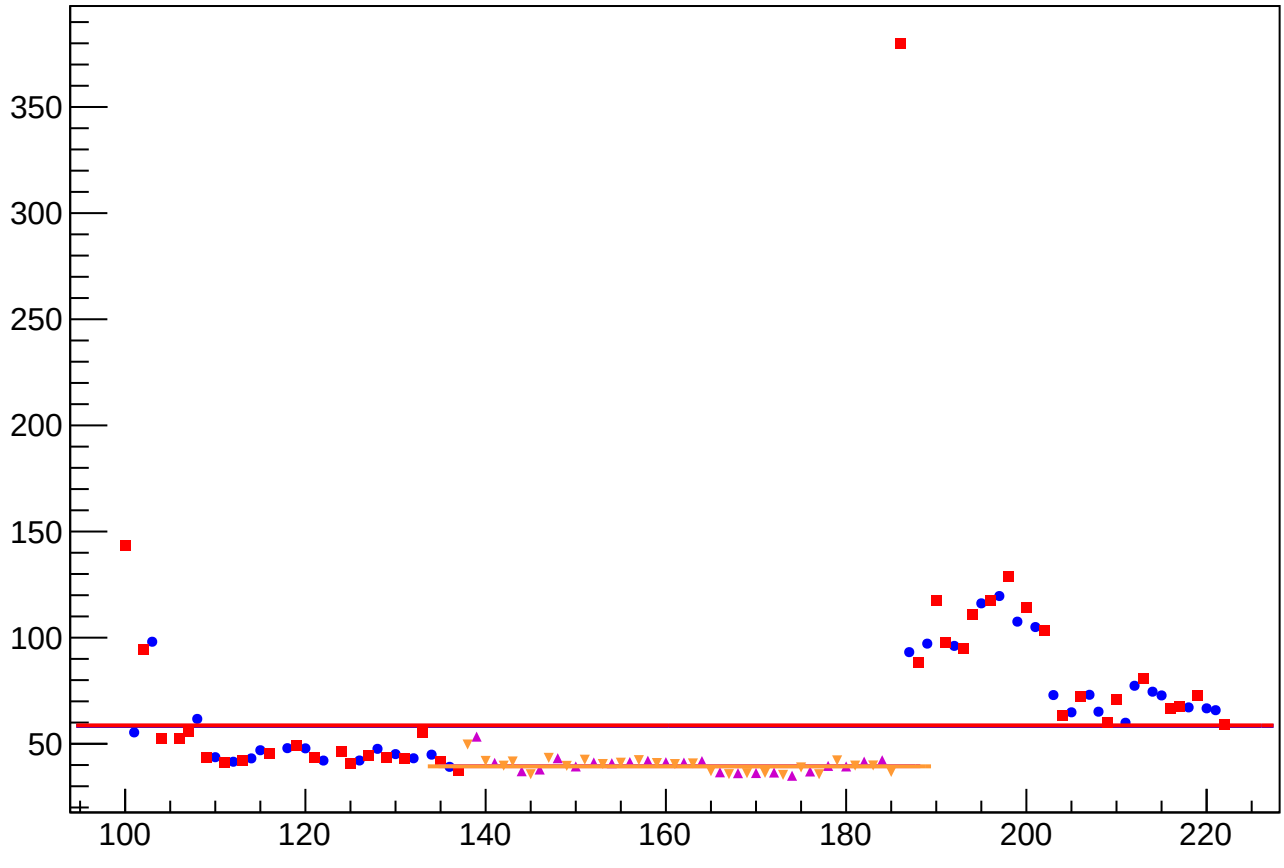
Right: 0.000+/-0.000 χ^2/NDF: 23540157.5/71

In: 0.000+/-0.000 χ^2/NDF:20266360.6/56

Out: 0.000+/-0.000 χ^2/NDF:21768540.0/62

All: 0.000+/-0.000 χ^2/NDF: 42059375.7/119


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 45.721+/-13.168 χ²/NDF: 28.9/33
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 41.351+/-13.335 χ²/NDF: 55.2/37
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.563+/-9.370 χ²/NDF: 84.1/71
In: -2.406+/-7.581 χ²/NDF:71.3/56
Out: -10.412+/-7.456 χ²/NDF:135.8/62
All: -6.476+/-5.316 χ²/NDF: 207.7/119



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: 58.657+/-0.009 χ^2/NDF: 5322391.1/37

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

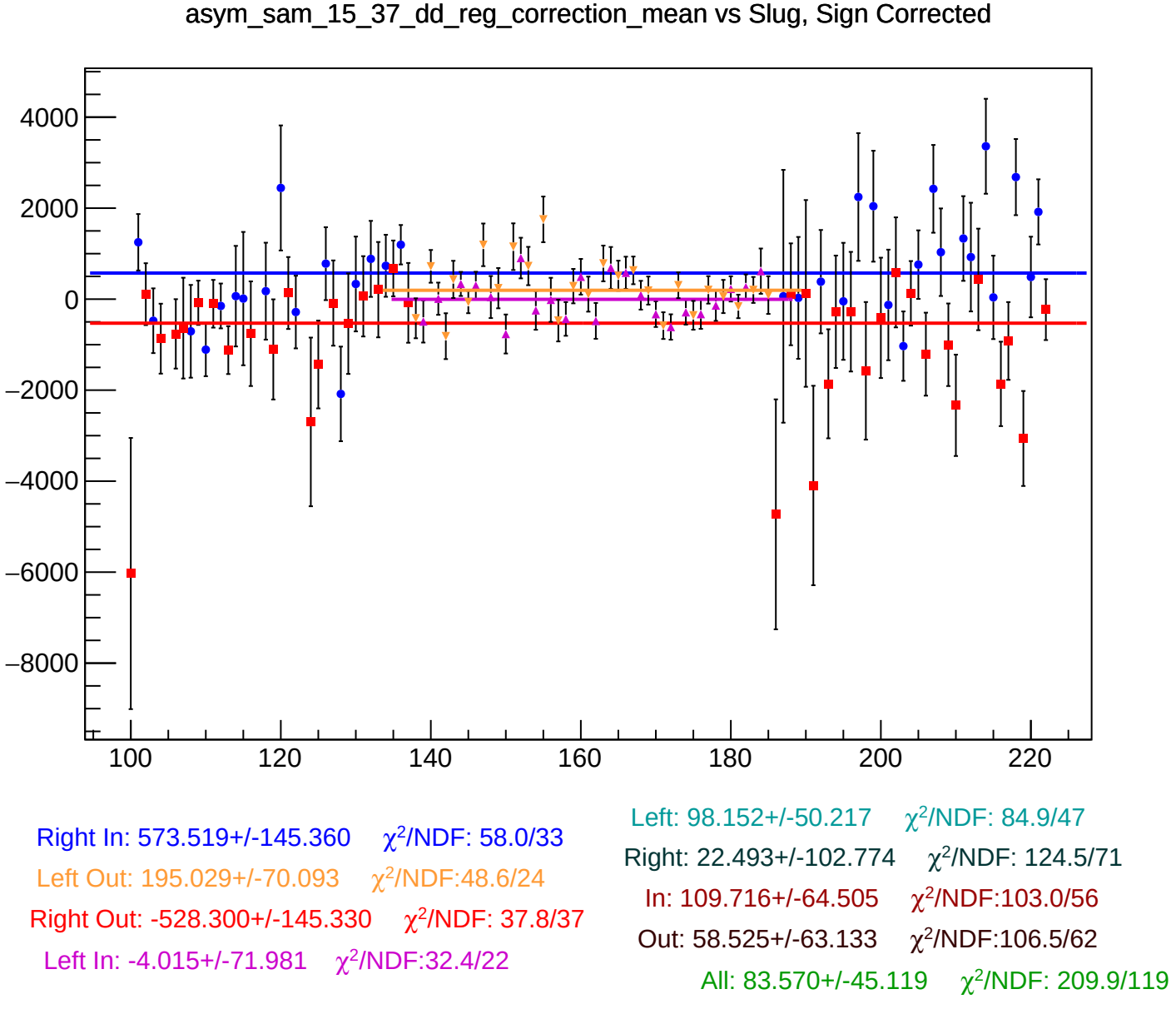
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

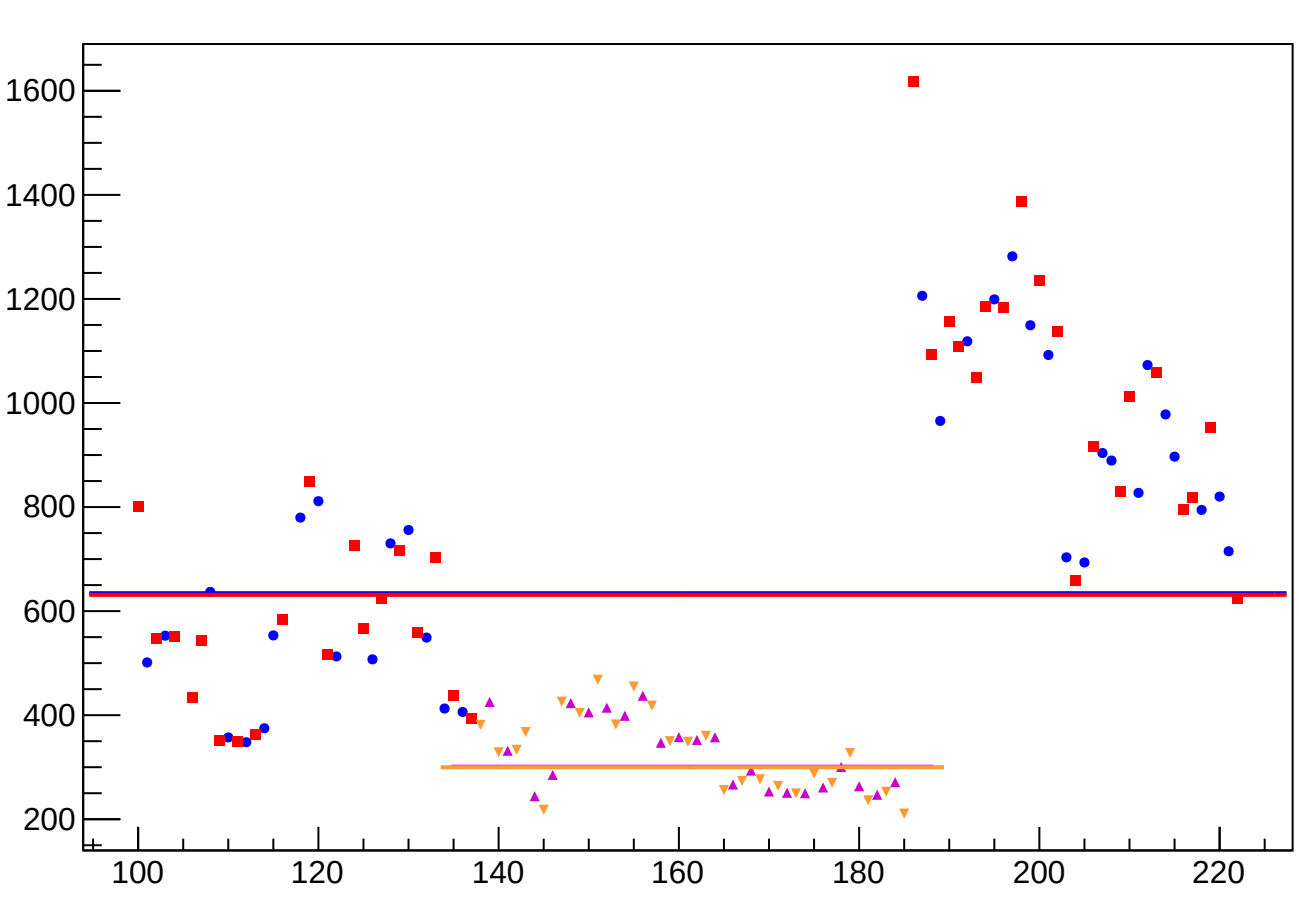
Right: 58.535+/-0.007 χ^2/NDF: 9443184.9/71

In: 45.763+/-0.005 χ^2/NDF:7134101.9/56

Out: 45.409+/-0.005 χ^2/NDF:8423284.9/62

All: 45.583+/-0.004 χ^2/NDF: 15559614.0/119


asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 573.519+/-145.360 χ²/NDF: 58.0/33
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: -528.300+/-145.330 χ²/NDF: 37.8/37
Left In: -4.015+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: 22.493+/-102.774 χ²/NDF: 124.5/71
In: 109.716+/-64.505 χ²/NDF:103.0/56
Out: 58.525+/-63.133 χ²/NDF:106.5/62
All: 83.570+/-45.119 χ²/NDF: 209.9/119



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: 631.259+/-0.103 χ^2/NDF: 6789074.1/37

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

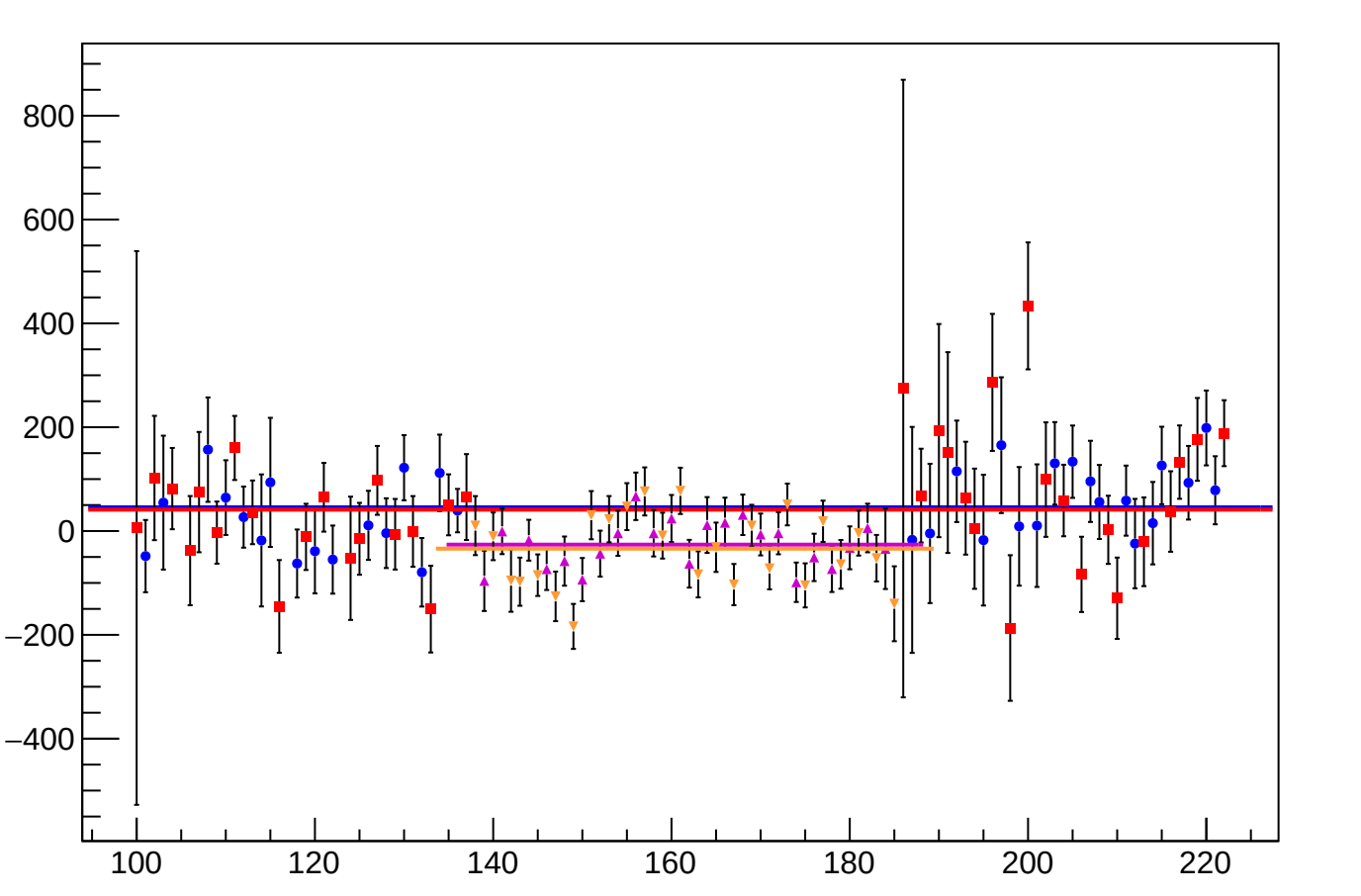
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

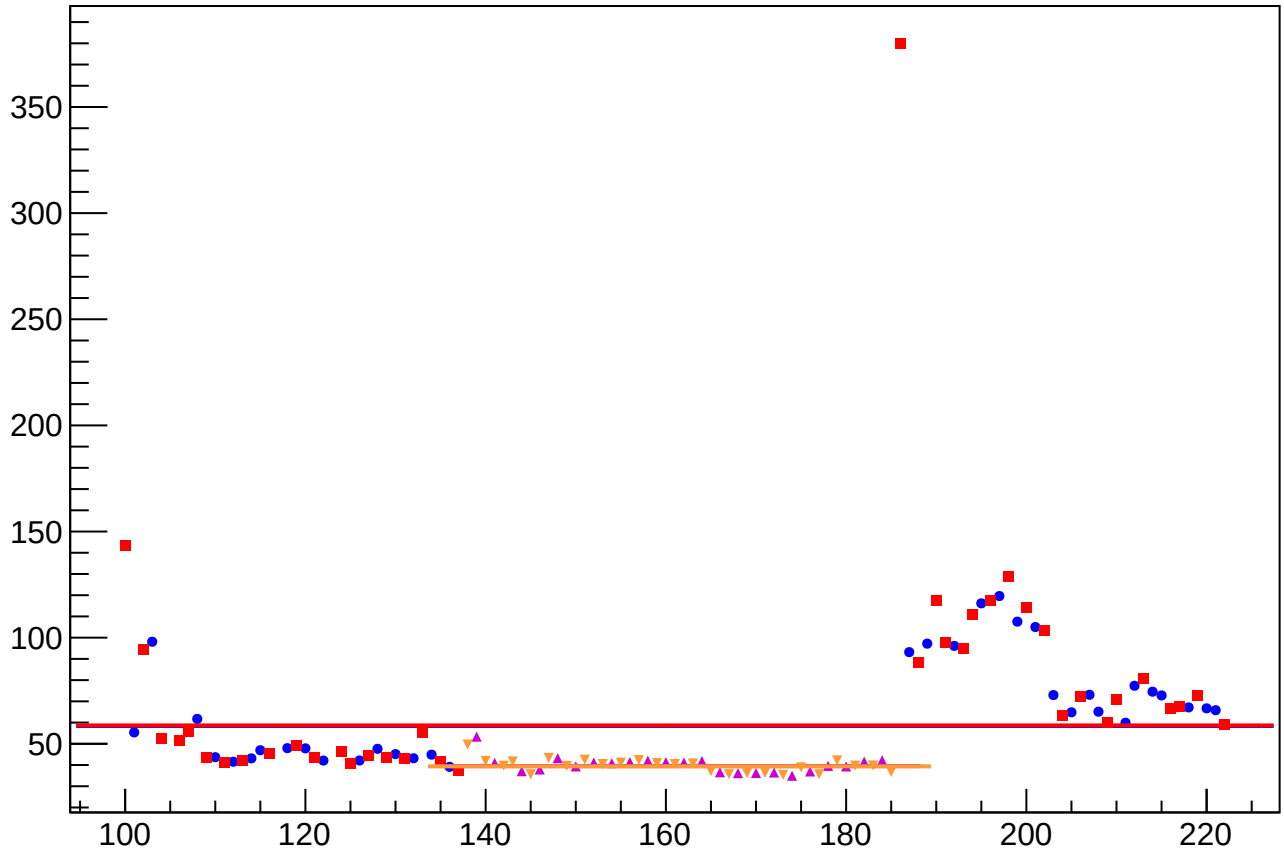
Right: 632.864+/-0.073 χ^2/NDF: 12417131.9/71

In: 366.668+/-0.046 χ^2/NDF:15487773.7/56

Out: 362.495+/-0.045 χ^2/NDF:17028773.9/62

All: 364.537+/-0.032 χ^2/NDF: 32520823.1/11


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: 41.178+/-13.336 χ²/NDF: 55.3/37
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.481+/-9.370 χ²/NDF: 84.3/71
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -10.468+/-7.456 χ²/NDF:135.9/62
All: -6.504+/-5.316 χ²/NDF: 207.8/119



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: 58.645+/-0.009 χ^2/NDF: 5324489.7/37

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

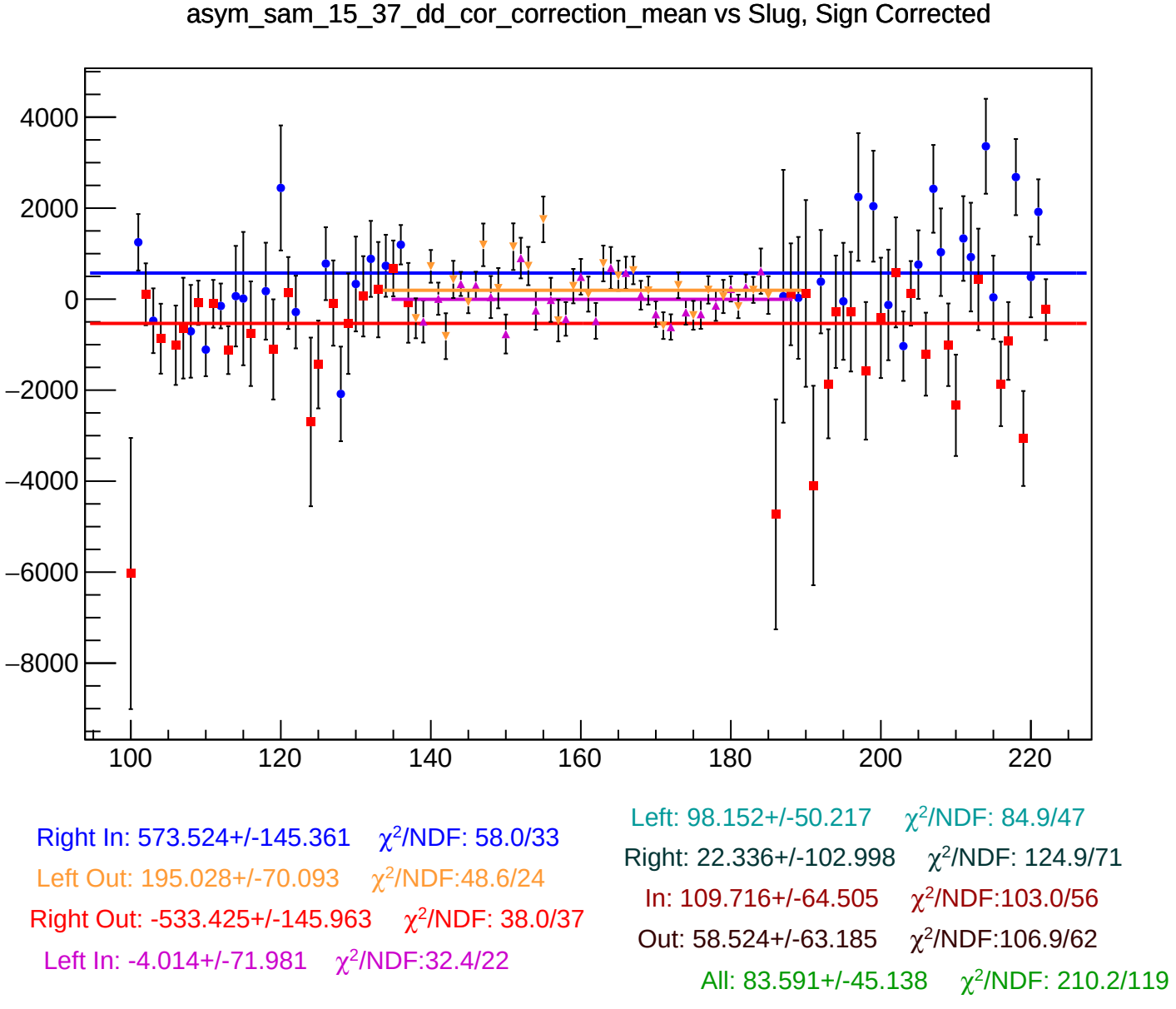
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

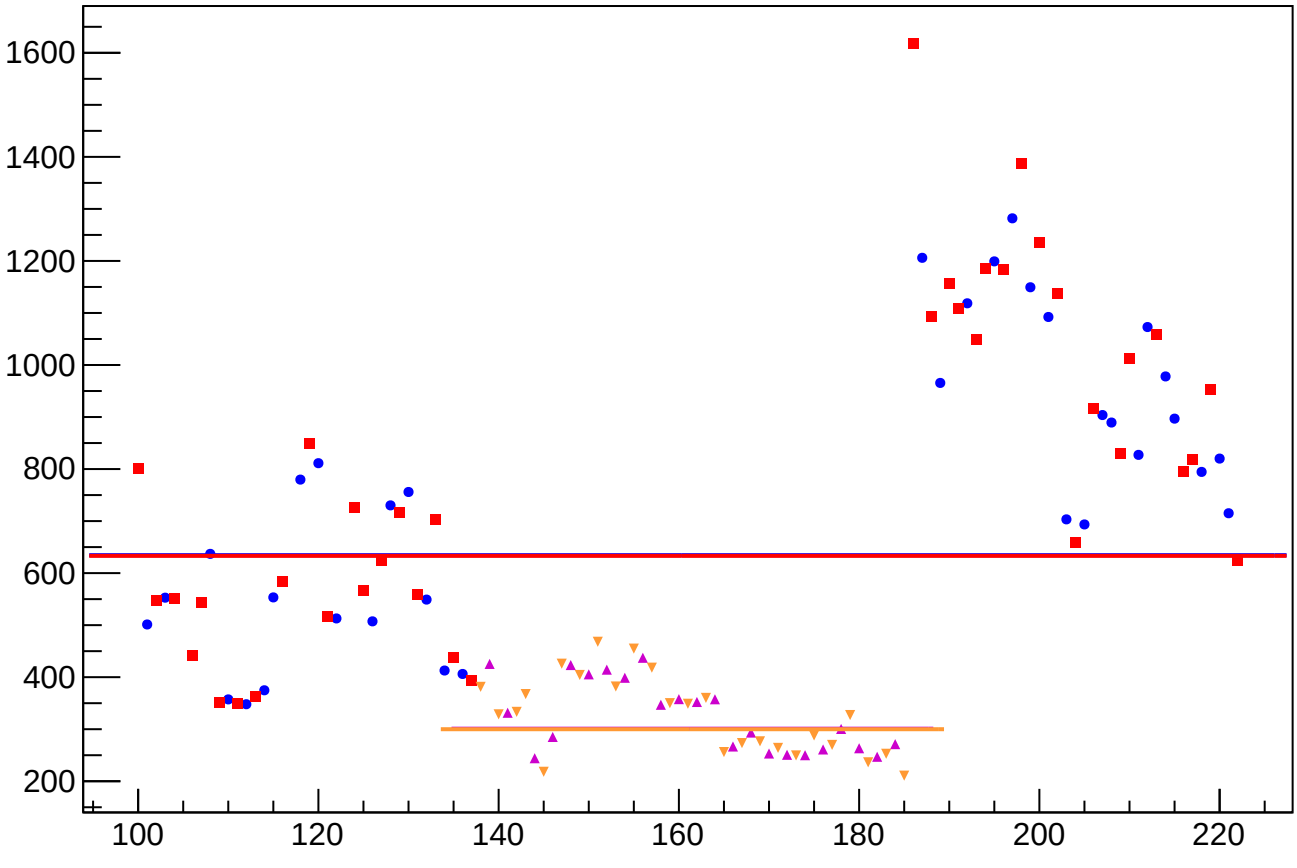
Right: 58.529+/-0.007 χ^2/NDF: 9445254.0/71

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.404+/-0.005 χ^2/NDF:8421461.5/62

All: 45.581+/-0.004 χ^2/NDF: 15557849.5/119


asym_sam_15_37_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 573.524+/-145.361 χ²/NDF: 58.0/33
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: -533.425+/-145.963 χ²/NDF: 38.0/37
Left In: -4.014+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: 22.336+/-102.998 χ²/NDF: 124.9/71
In: 109.716+/-64.505 χ²/NDF:103.0/56
Out: 58.524+/-63.185 χ²/NDF:106.9/62
All: 83.591+/-45.138 χ²/NDF: 210.2/119



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: 633.194+/-0.103 χ^2/NDF: 6749380.9/37

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

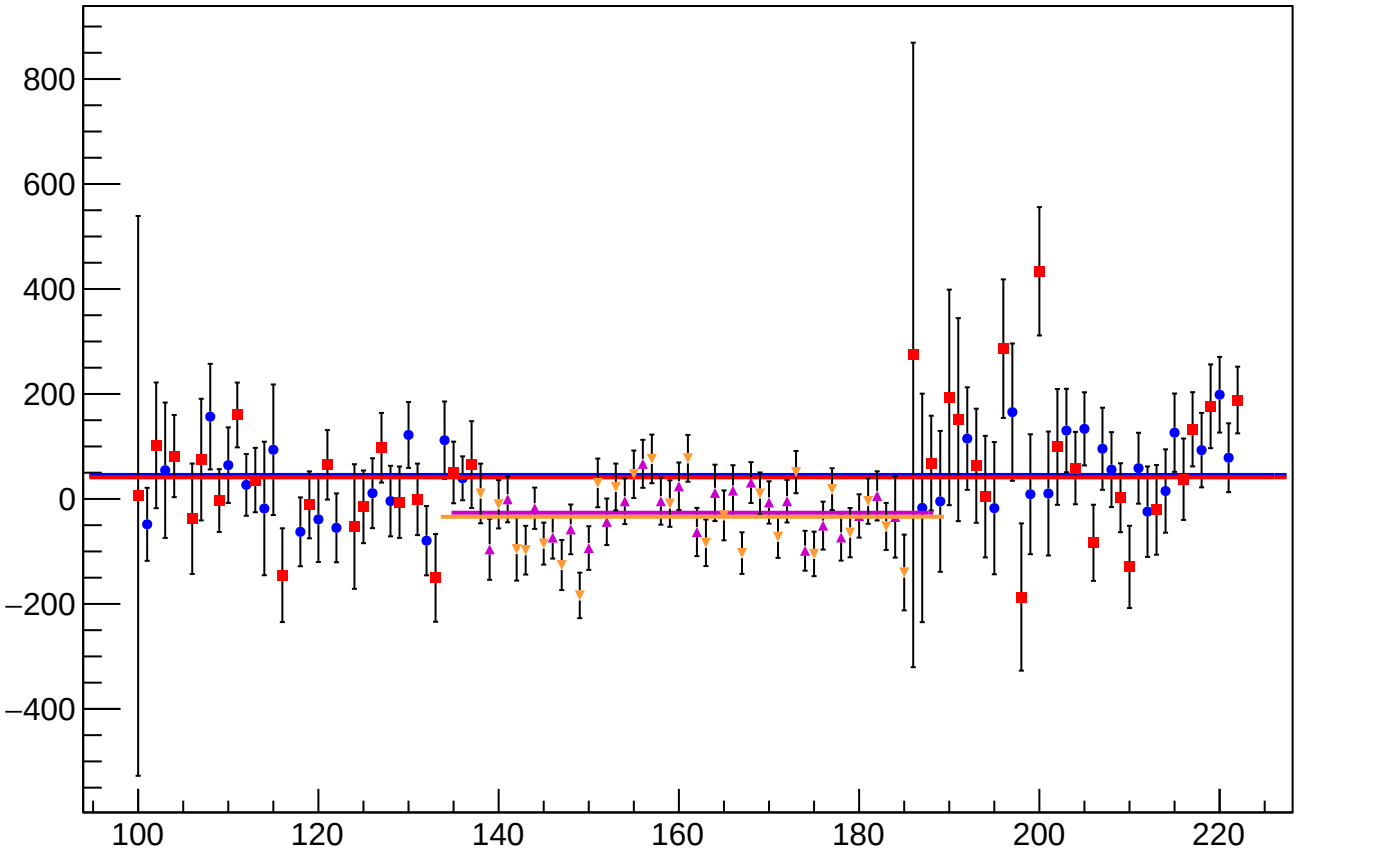
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

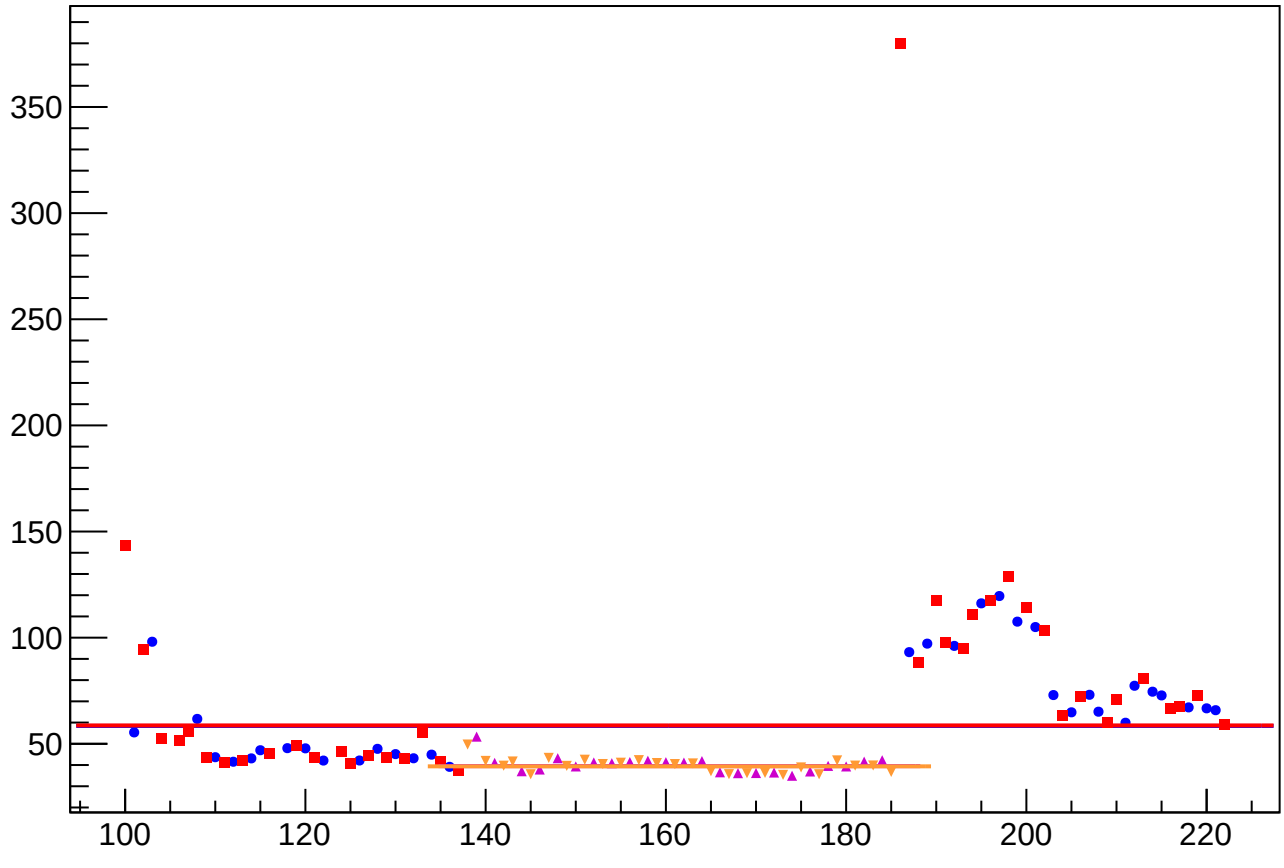
Right: 633.836+/-0.073 χ^2/NDF: 12376999.8/71

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 362.418+/-0.045 χ^2/NDF:17027891.3/62

All: 364.499+/-0.032 χ^2/NDF: 32520158.5/11


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: 41.178+/-13.336 χ²/NDF: 55.3/37
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.481+/-9.370 χ²/NDF: 84.3/71
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -10.468+/-7.456 χ²/NDF:135.9/62
All: -6.504+/-5.316 χ²/NDF: 207.8/119



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: 58.645+/-0.009 χ^2/NDF: 5324489.7/37

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

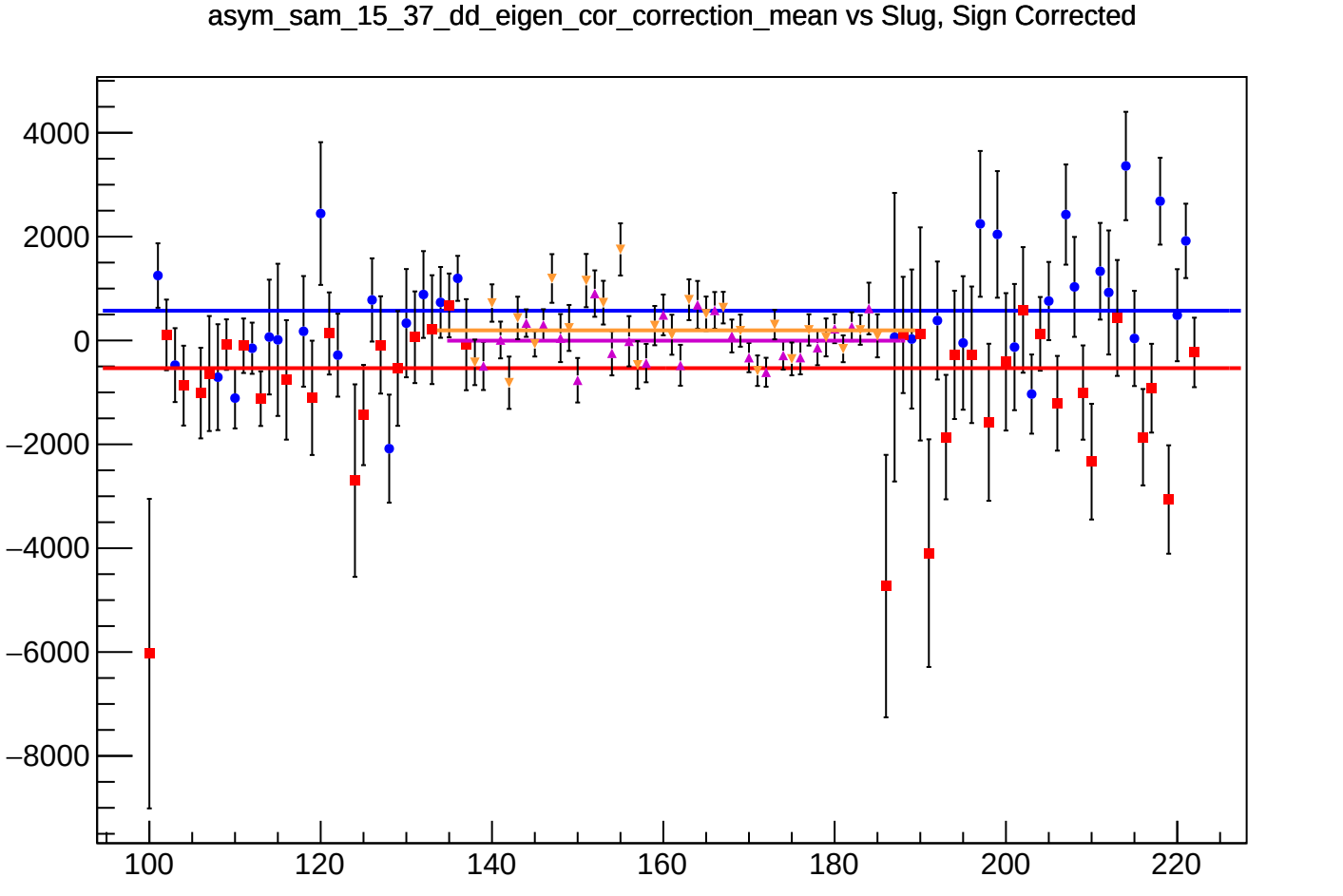
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.529+/-0.007 χ^2/NDF: 9445254.0/71

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.404+/-0.005 χ^2/NDF:8421461.5/62

All: 45.581+/-0.004 χ^2/NDF: 15557849.5/119



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: -533.425+/-145.963 χ^2/NDF: 38.0/37

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

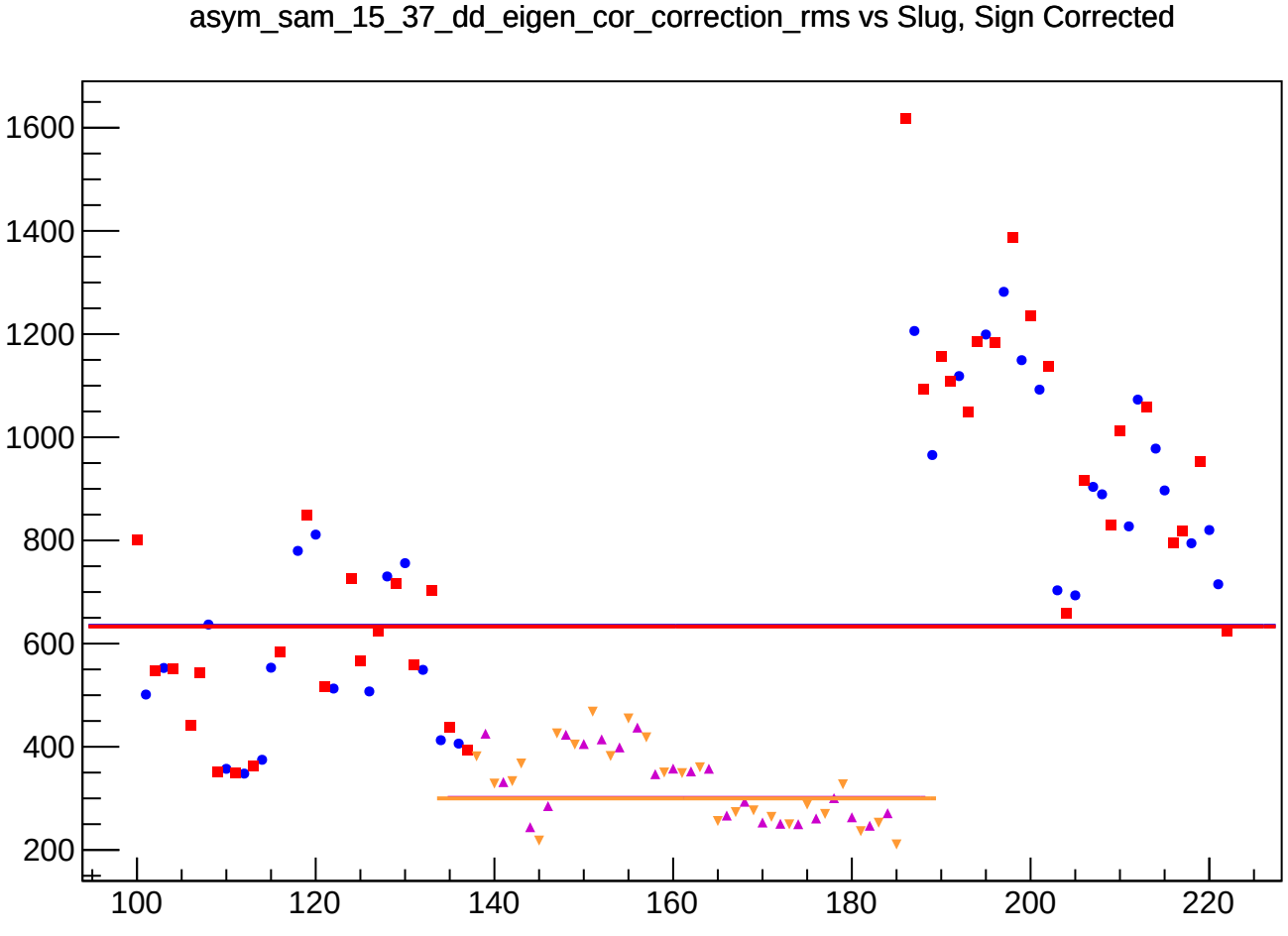
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 22.336+/-102.998 χ^2/NDF: 124.9/71

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 58.524+/-63.185 χ^2/NDF:106.9/62

All: 83.591+/-45.138 χ^2/NDF: 210.2/119



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: 633.194+/-0.103 χ^2/NDF: 6749380.9/37

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

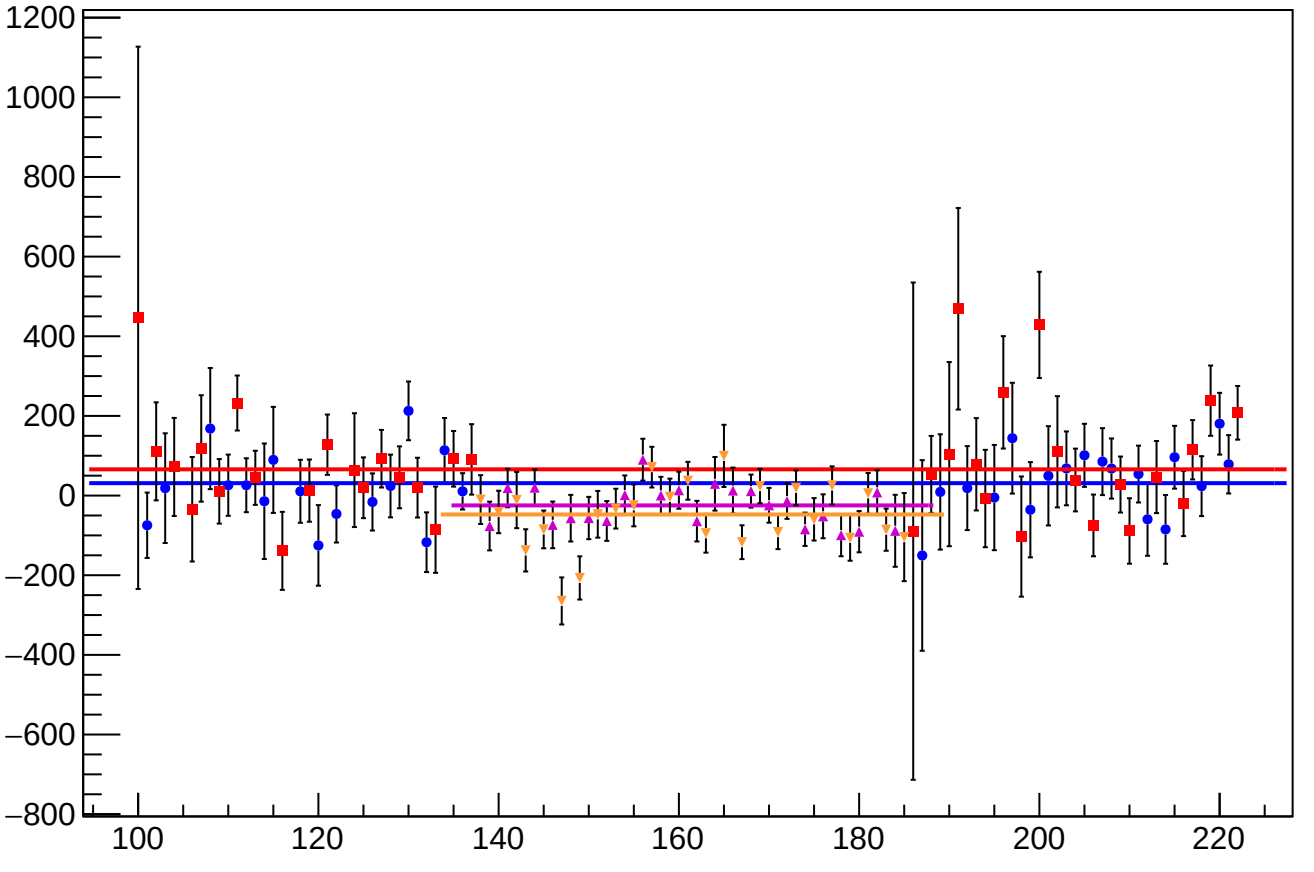
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 633.836+/-0.073 χ^2/NDF: 12376999.8/71

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 362.418+/-0.045 χ^2/NDF:17027891.3/62

All: 364.499+/-0.032 χ^2/NDF: 32520158.5/11



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: 65.885+/-15.063 χ^2/NDF: 46.9/37

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

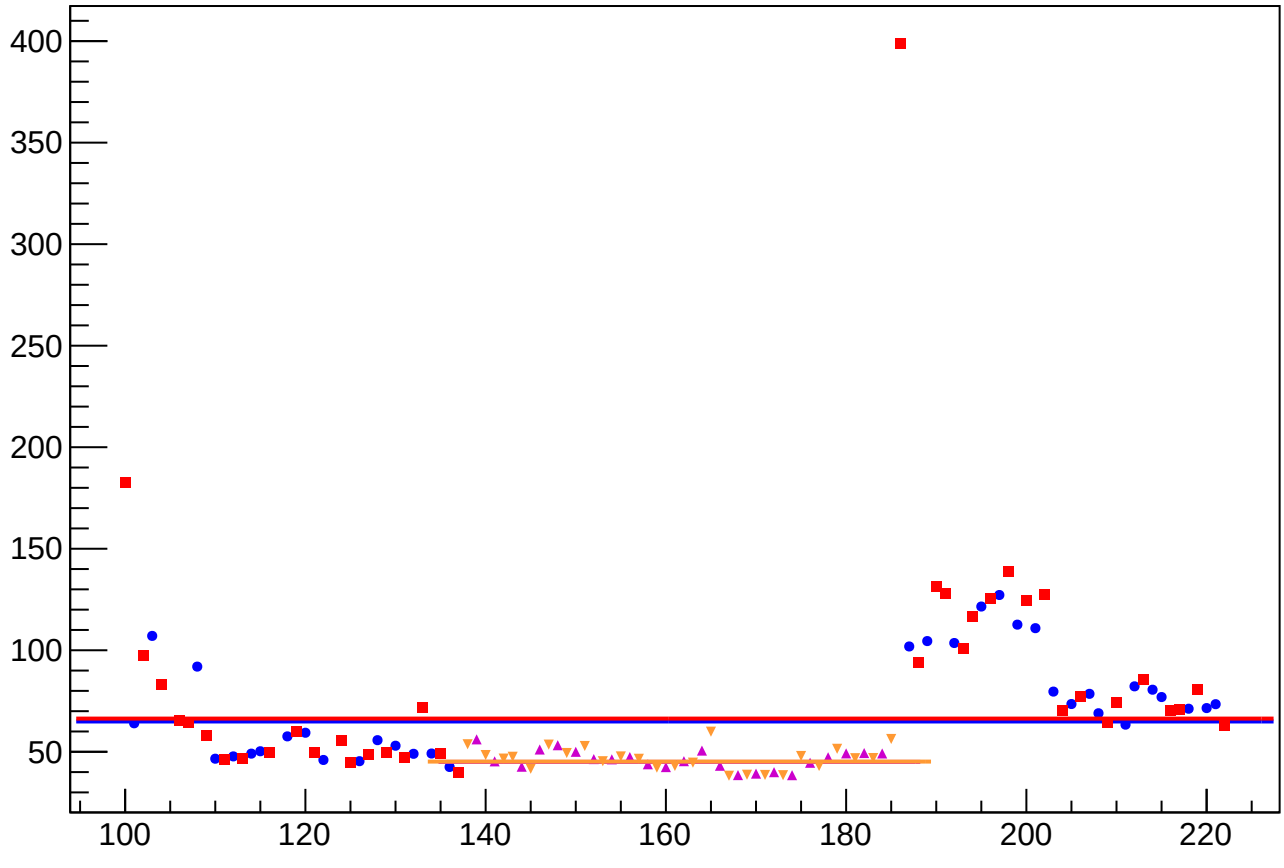
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 48.024+/-10.496 χ^2/NDF: 78.7/71

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -10.922+/-8.554 χ^2/NDF:140.0/62

All: -8.144+/-6.070 χ^2/NDF: 198.4/119



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: 66.350+/-0.011 χ^2/NDF: 4900982.0/37

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

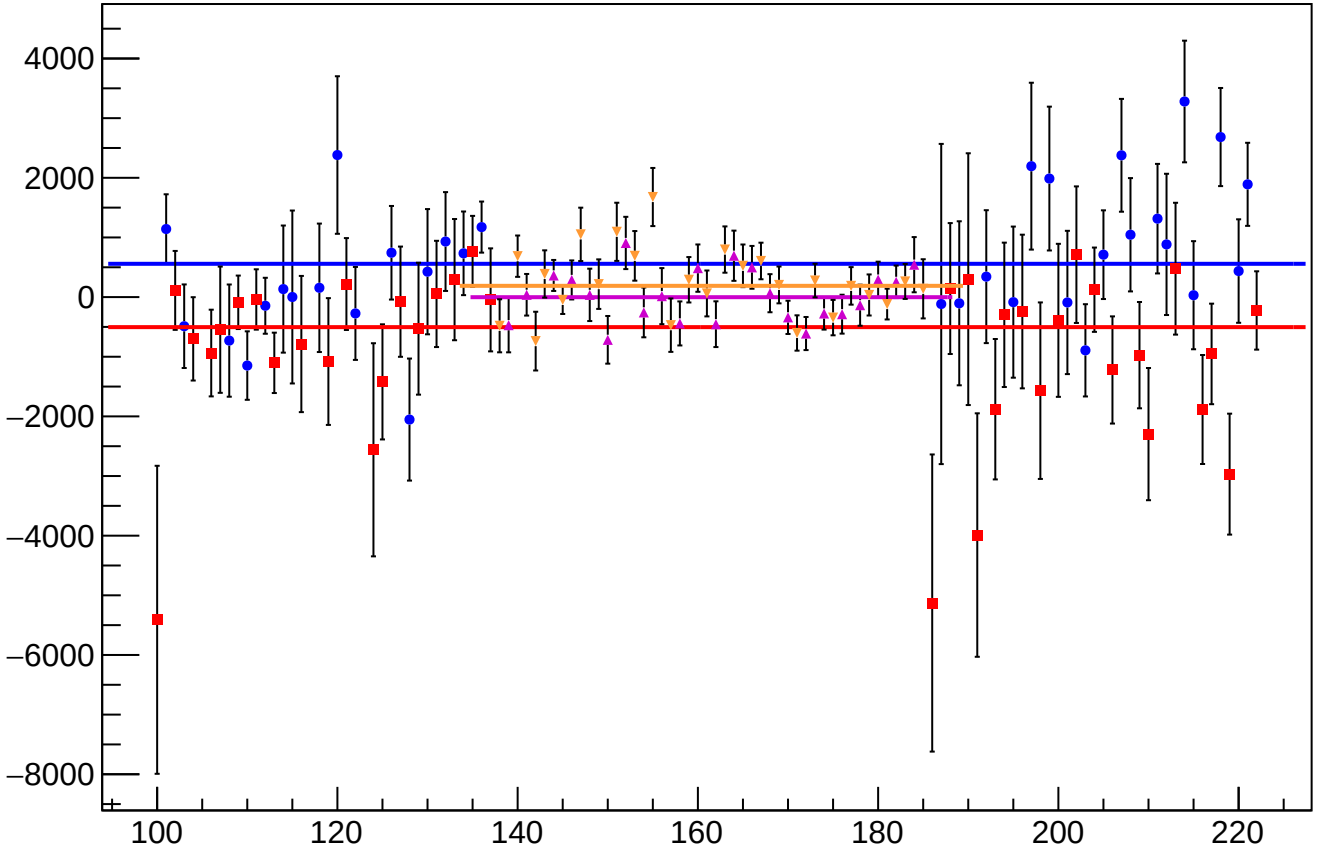
Right: 65.619+/-0.007 χ^2/NDF: 8687758.0/71

In: 51.919+/-0.006 χ^2/NDF:6569064.9/56

Out: 52.004+/-0.006 χ^2/NDF:8068676.7/62

All: 51.962+/-0.004 χ^2/NDF: 14637837.6/119

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



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: -503.598+/-140.733 χ^2/NDF: 41.3/37

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

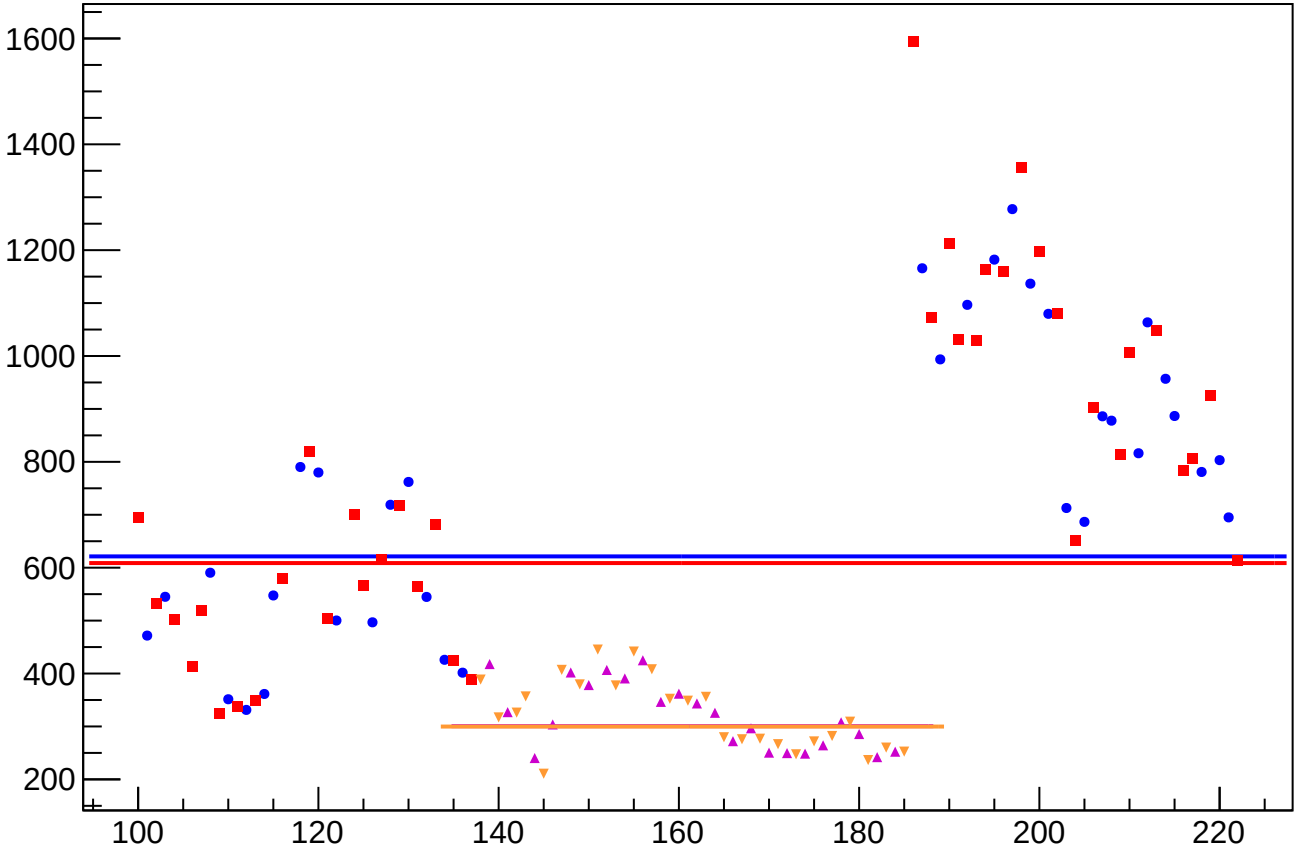
Right: 20.451+/-100.150 χ^2/NDF: 127.7/71

In: 111.401+/-64.063 χ^2/NDF:102.9/56

Out: 52.384+/-62.469 χ^2/NDF:107.5/62

All: 81.149+/-44.725 χ^2/NDF: 210.8/119

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 621.339+/-0.101 χ^2/NDF: 5789166.8/33

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 608.735+/-0.100 χ^2/NDF: 7131933.4/37

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

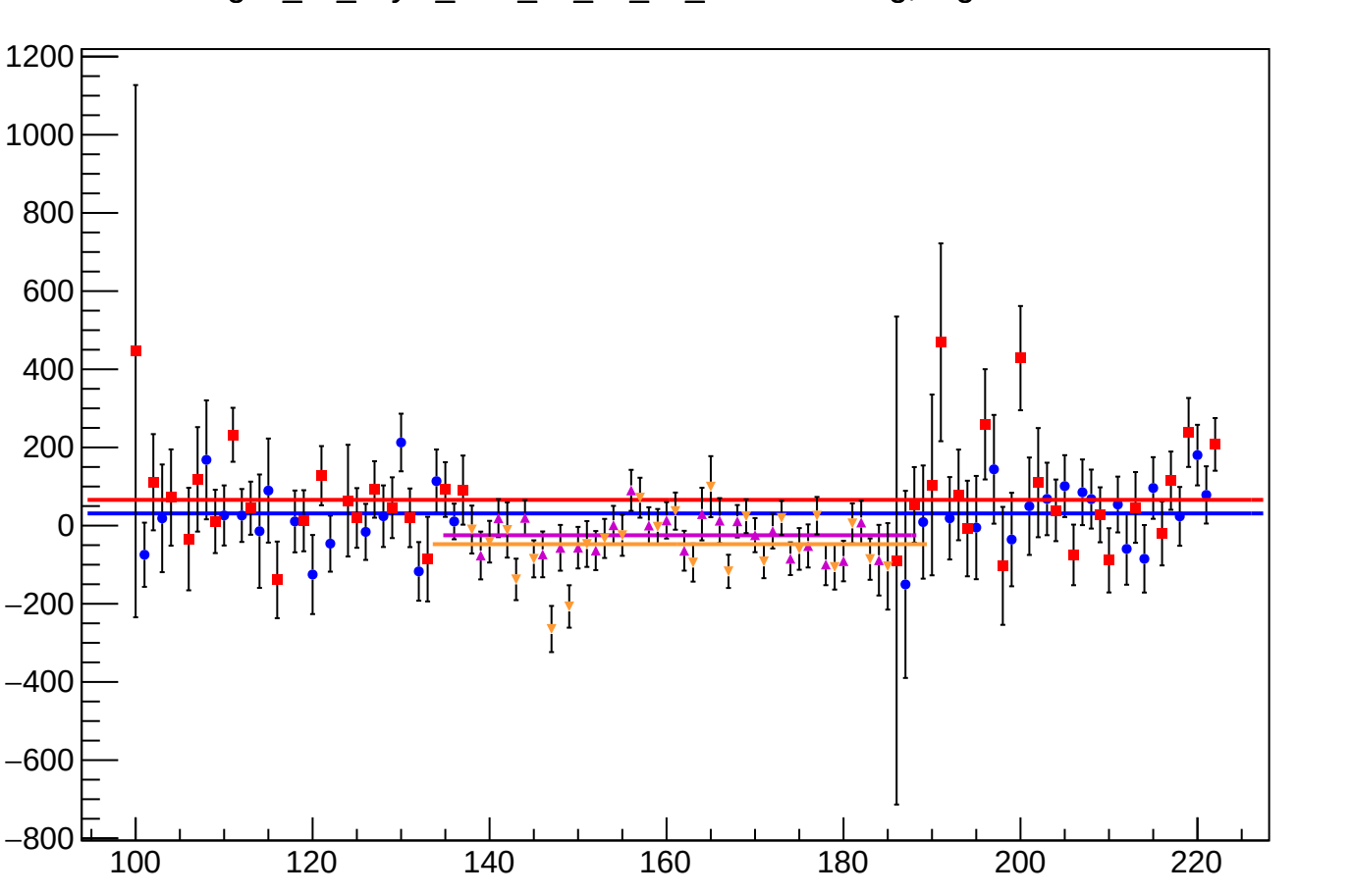
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 614.956+/-0.071 χ^2/NDF: 12929018.8/71

In: 365.331+/-0.045 χ^2/NDF:15131211.0/56

Out: 360.669+/-0.044 χ^2/NDF:16448182.6/62

All: 362.942+/-0.032 χ^2/NDF: 31584822.8/11



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: 65.886+/-15.063 χ^2/NDF: 46.9/37

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

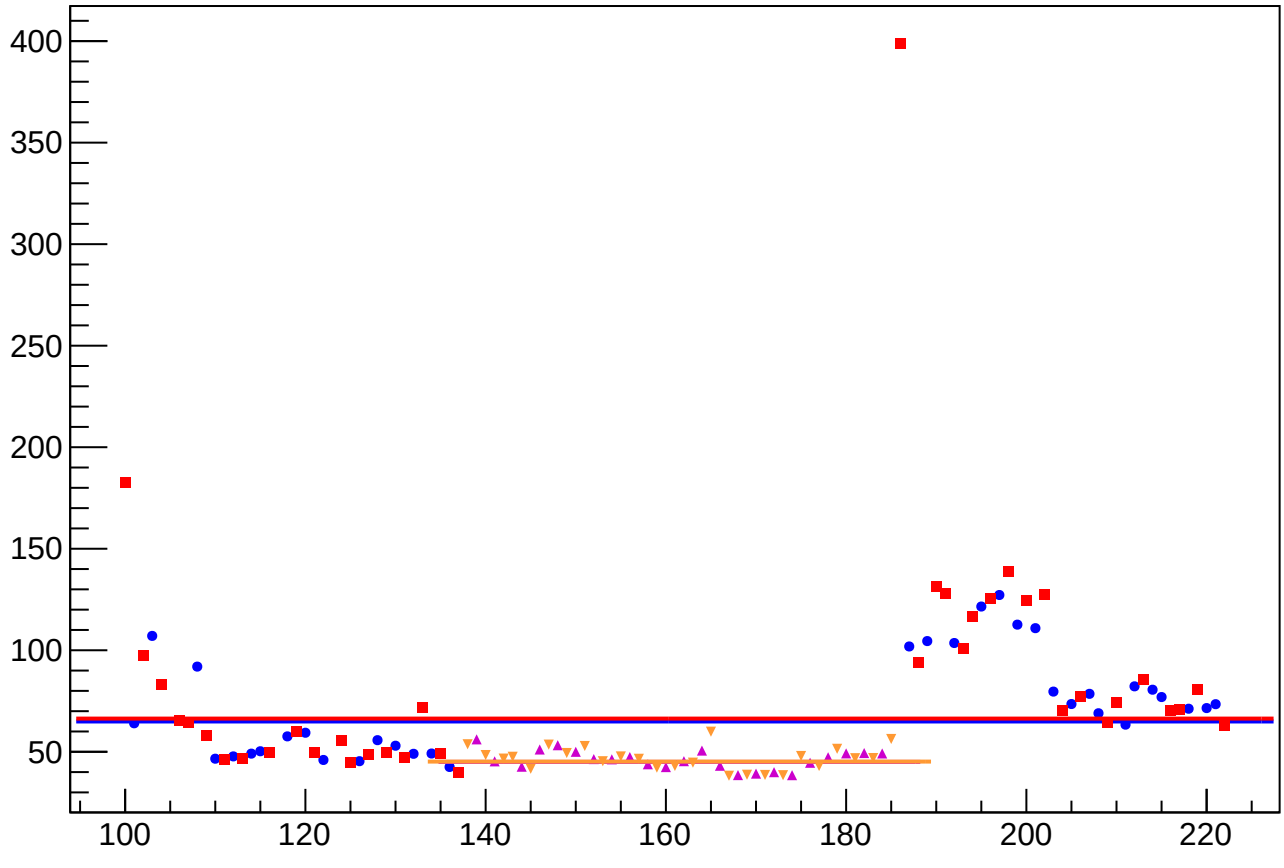
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 48.024+/-10.496 χ^2/NDF: 78.7/71

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -10.922+/-8.554 χ^2/NDF:140.0/62

All: -8.144+/-6.070 χ^2/NDF: 198.4/119



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: 66.350+/-0.011 χ^2/NDF: 4900983.9/37

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

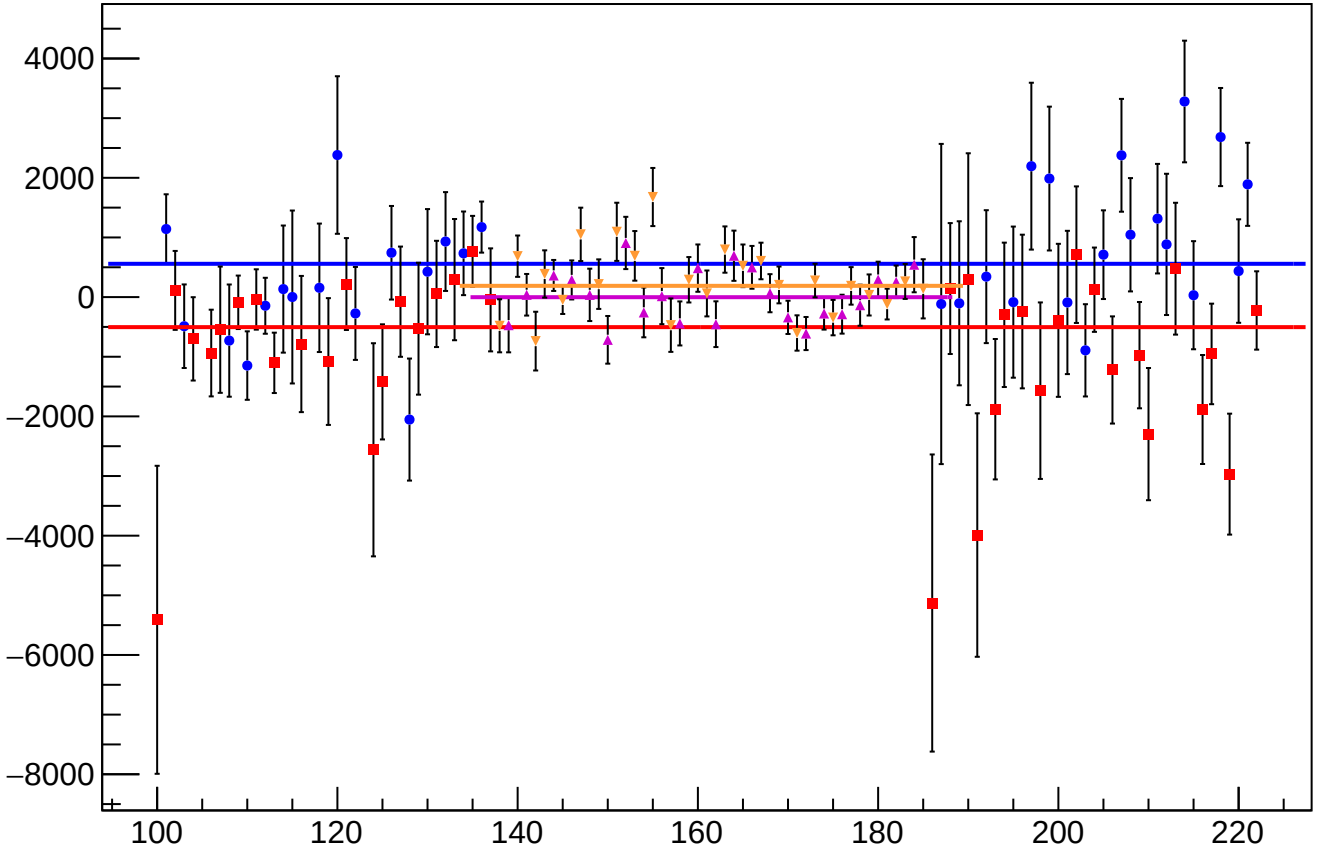
Right: 65.619+/-0.007 χ^2/NDF: 8687761.4/71

In: 51.919+/-0.006 χ^2/NDF:6569052.8/56

Out: 52.004+/-0.006 χ^2/NDF:8068681.9/62

All: 51.962+/-0.004 χ^2/NDF: 14637830.6/119

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: -503.597+/-140.733 χ^2/NDF: 41.3/37

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

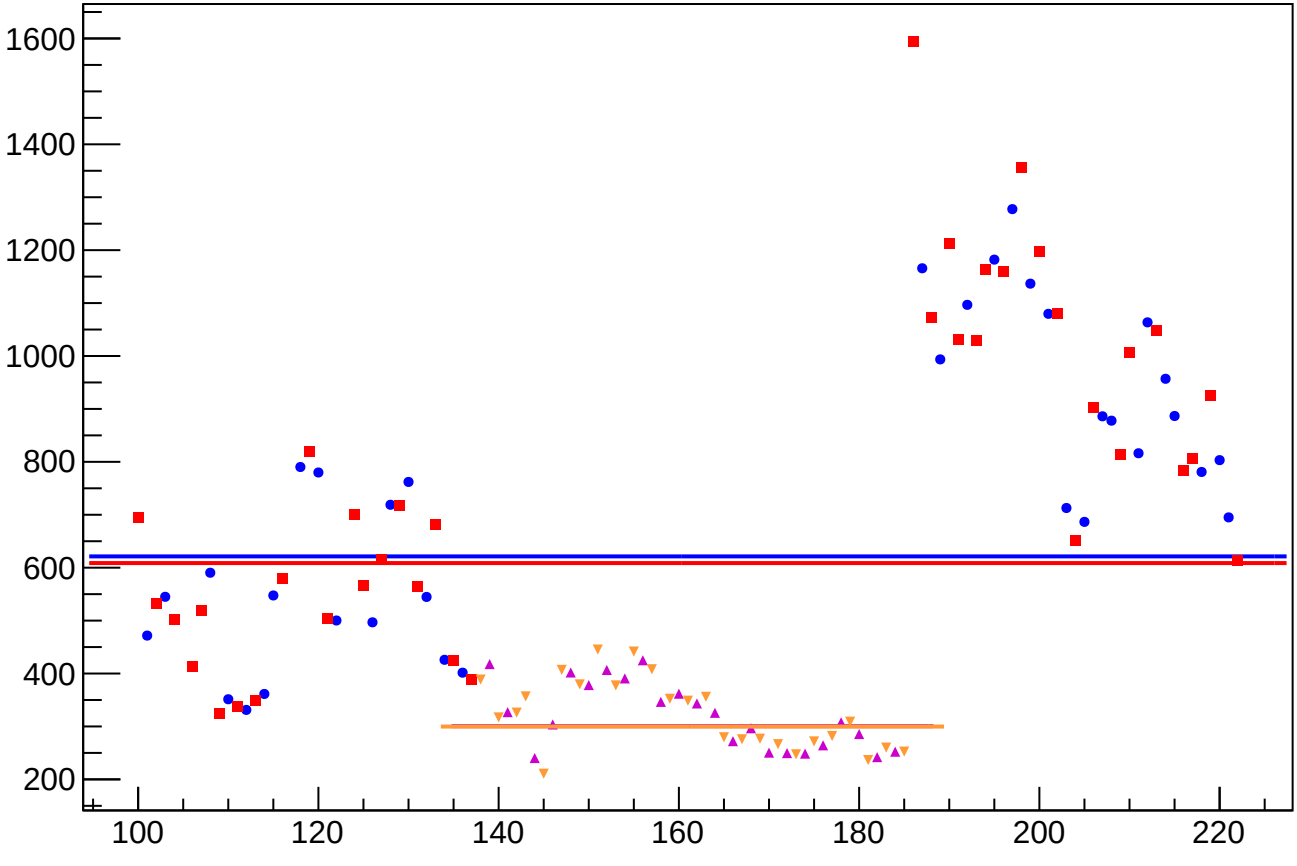
Right: 20.450+/-100.150 χ^2/NDF: 127.7/71

In: 111.401+/-64.063 χ^2/NDF:102.9/56

Out: 52.383+/-62.469 χ^2/NDF:107.5/62

All: 81.149+/-44.725 χ^2/NDF: 210.8/119

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: 608.734+/-0.100 χ^2/NDF: 7131950.9/37

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

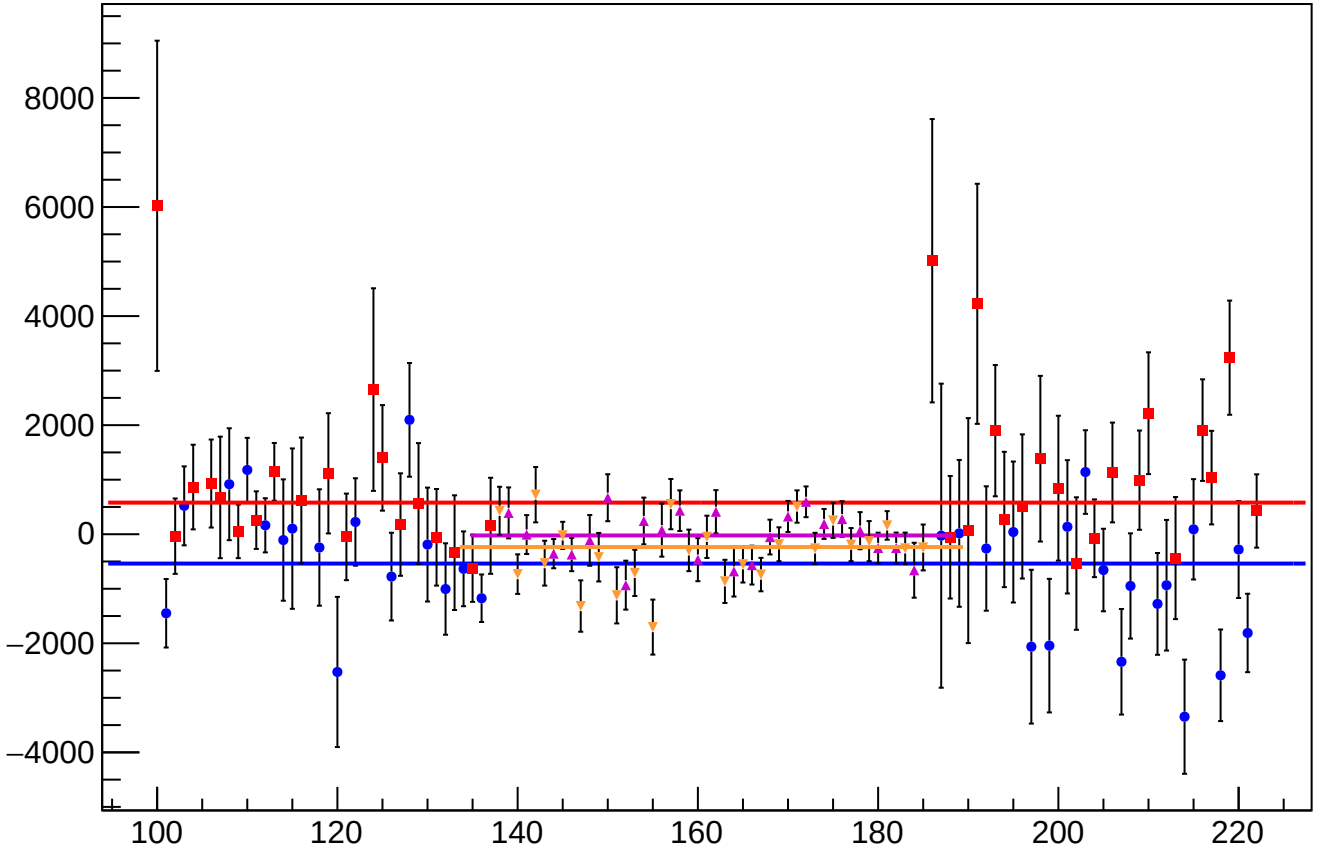
Right: 614.955+/-0.071 χ^2/NDF: 12929061.0/71

In: 365.332+/-0.045 χ^2/NDF:15131181.9/56

Out: 360.670+/-0.044 χ^2/NDF:16448162.8/62

All: 362.942+/-0.032 χ^2/NDF: 31584774.4/11

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: 579.672+/-146.416 χ^2/NDF: 37.0/37

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

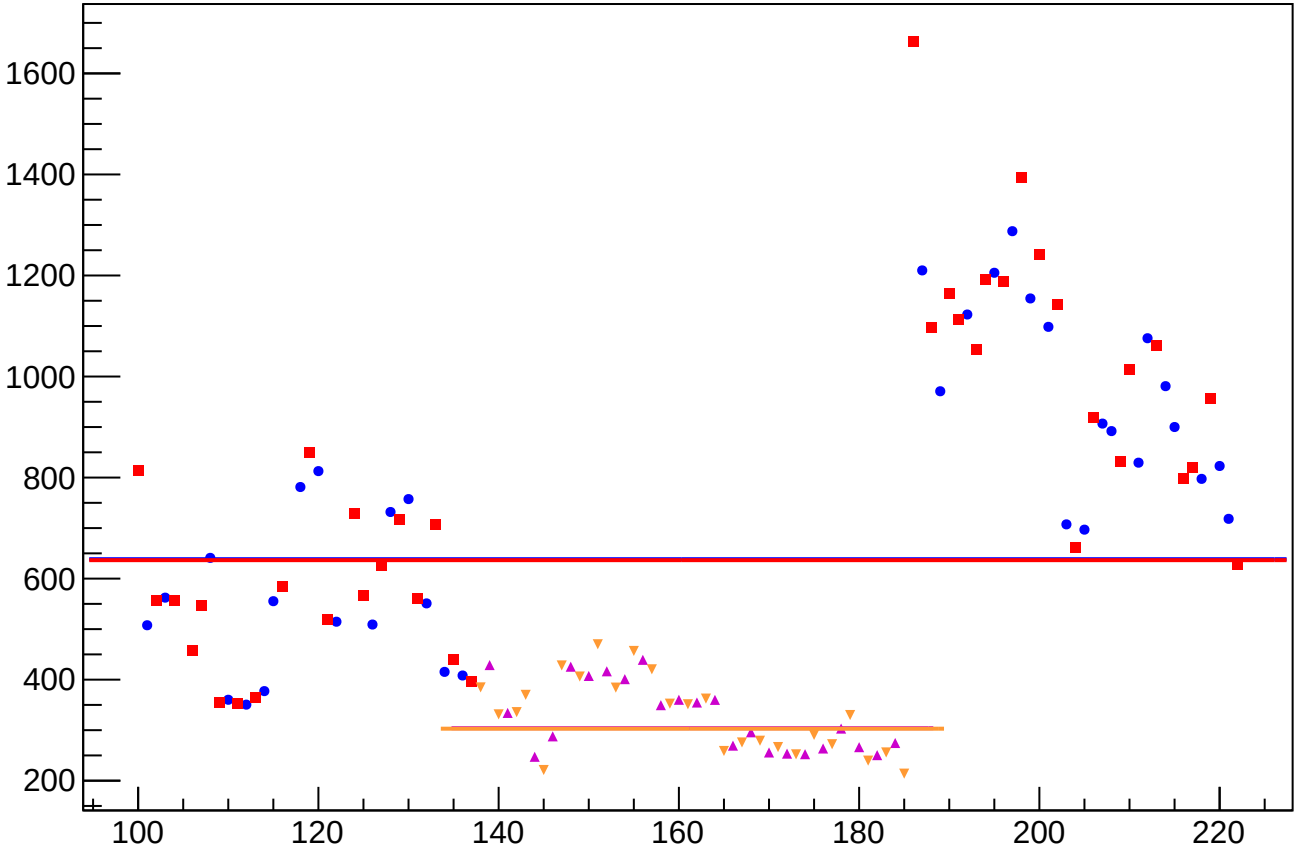
Right: 19.969+/-103.452 χ^2/NDF: 124.9/71

In: -124.711+/-65.054 χ^2/NDF:98.5/56

Out: -80.954+/-63.696 χ^2/NDF:109.6/62

All: -102.371+/-45.512 χ^2/NDF: 208.3/119

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: 636.540+/-0.104 χ^2/NDF: 6718742.2/37

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

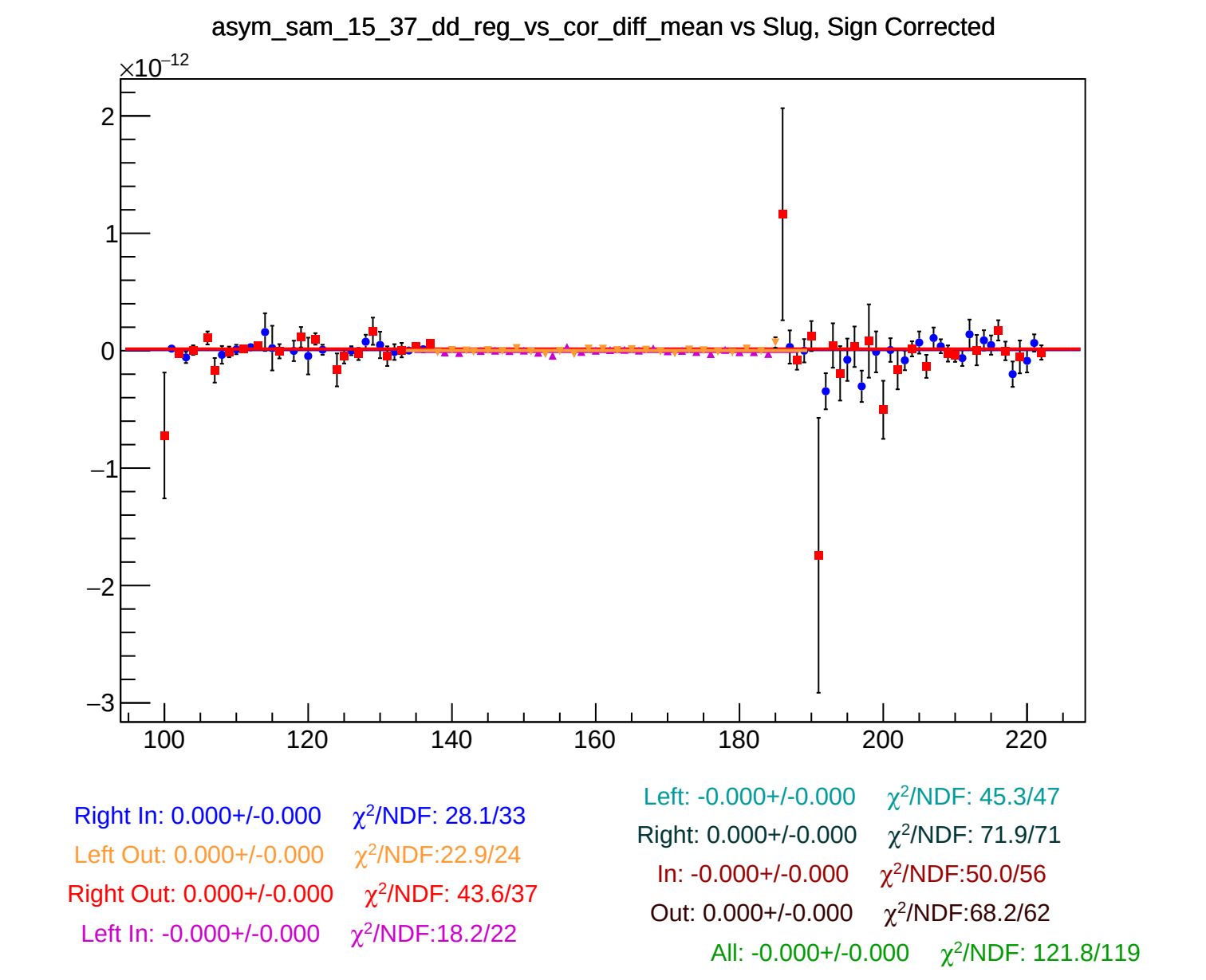
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

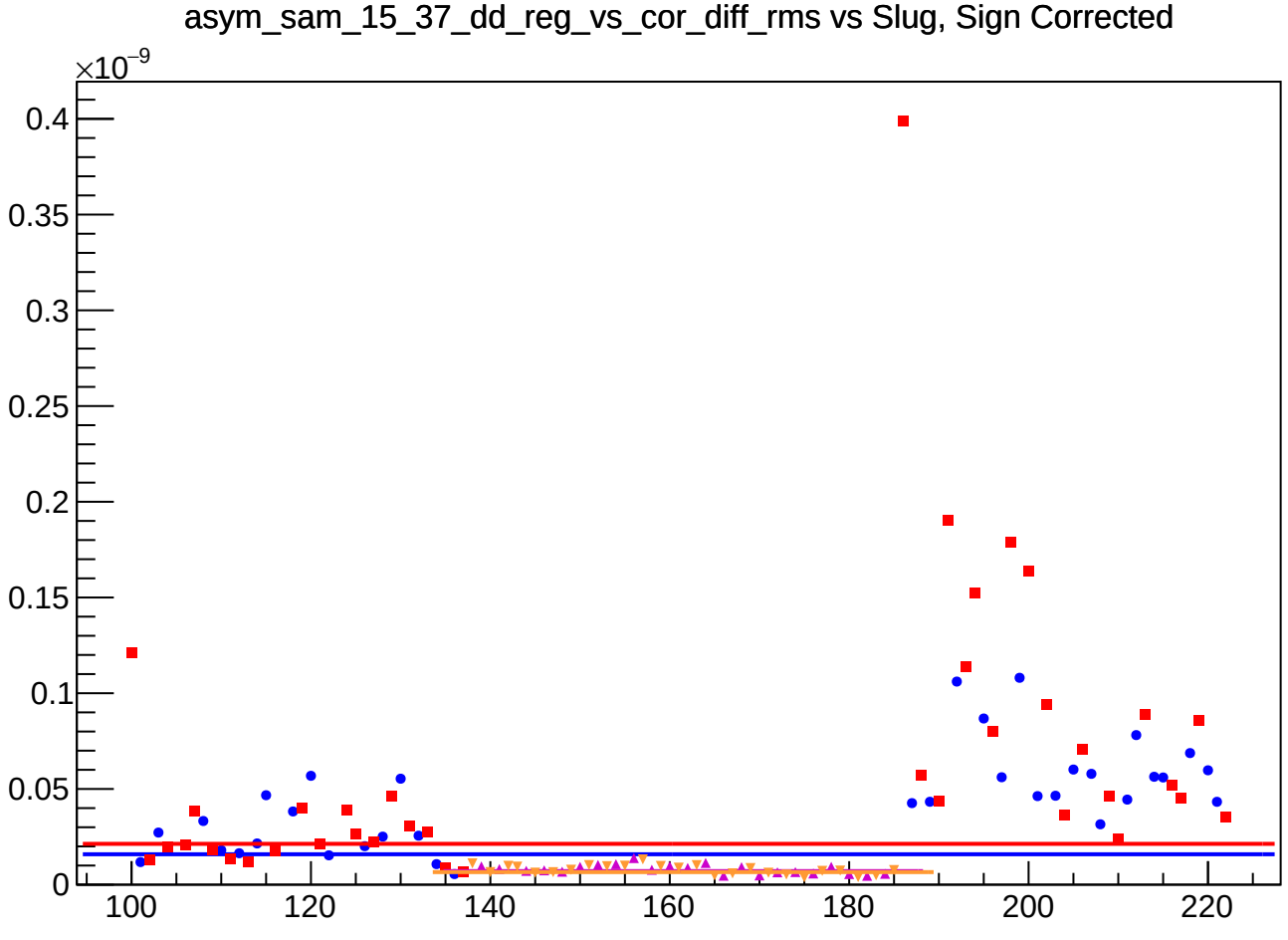
Right: 637.487+/-0.073 χ^2/NDF: 12306858.0/71

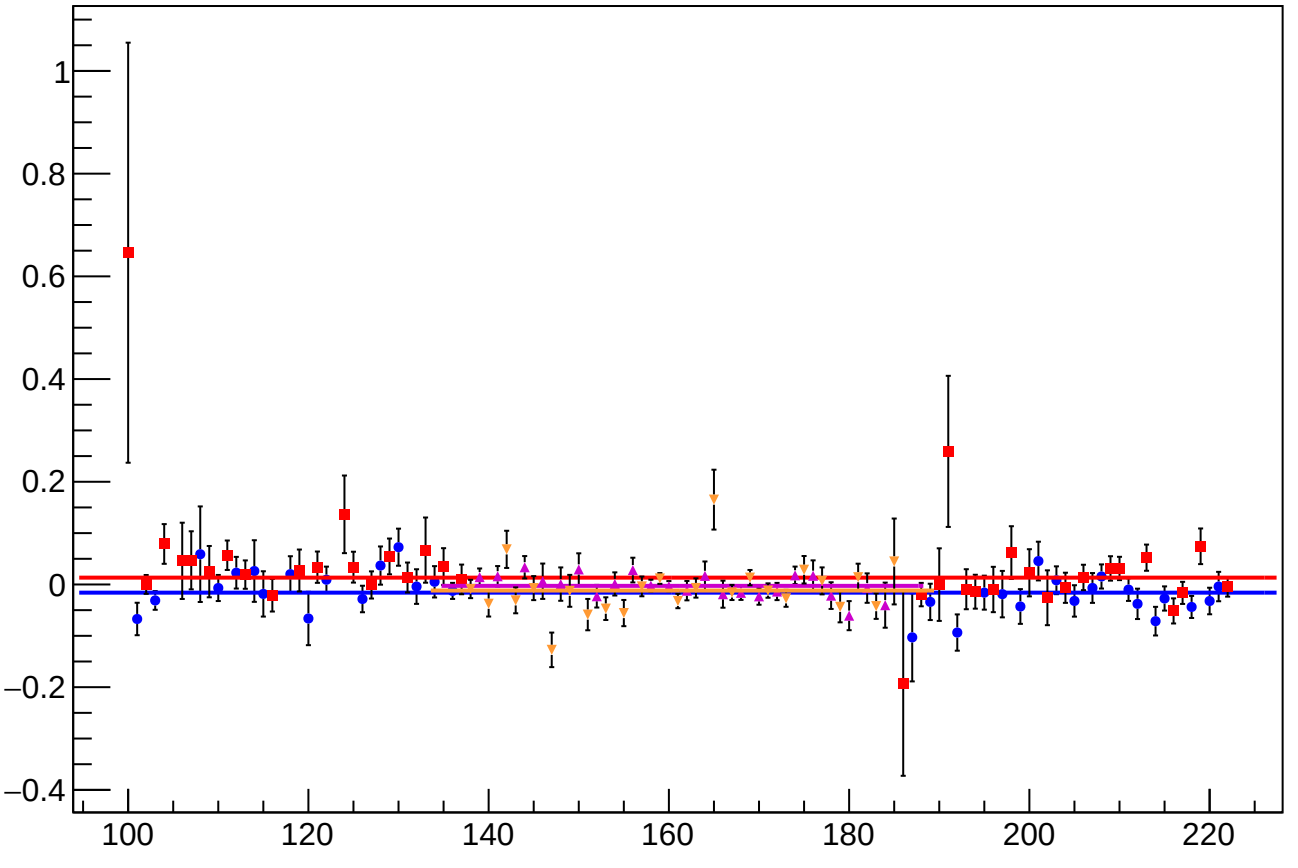
In: 370.162+/-0.046 χ^2/NDF:15362119.5/56

Out: 366.079+/-0.045 χ^2/NDF:16902204.4/62

All: 368.077+/-0.032 χ^2/NDF: 32268346.3/11


asym_sam_15_37_dd_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: 28.1/33
Left Out: 0.000+/-0.000 χ²/NDF:22.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.6/37
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 45.3/47
Right: 0.000+/-0.000 χ²/NDF: 71.9/71
In: -0.000+/-0.000 χ²/NDF:50.0/56
Out: 0.000+/-0.000 χ²/NDF:68.2/62
All: -0.000+/-0.000 χ²/NDF: 121.8/119


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9123394.9/33
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7911340.3/37
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 17443810.7/71
In: 0.000+/-0.000 χ²/NDF:12497947.5/56
Out: 0.000+/-0.000 χ²/NDF:13983820.4/62
All: 0.000+/-0.000 χ²/NDF: 26525502.0/119



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: 0.013+/-0.005 χ^2/NDF: 42.3/37

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

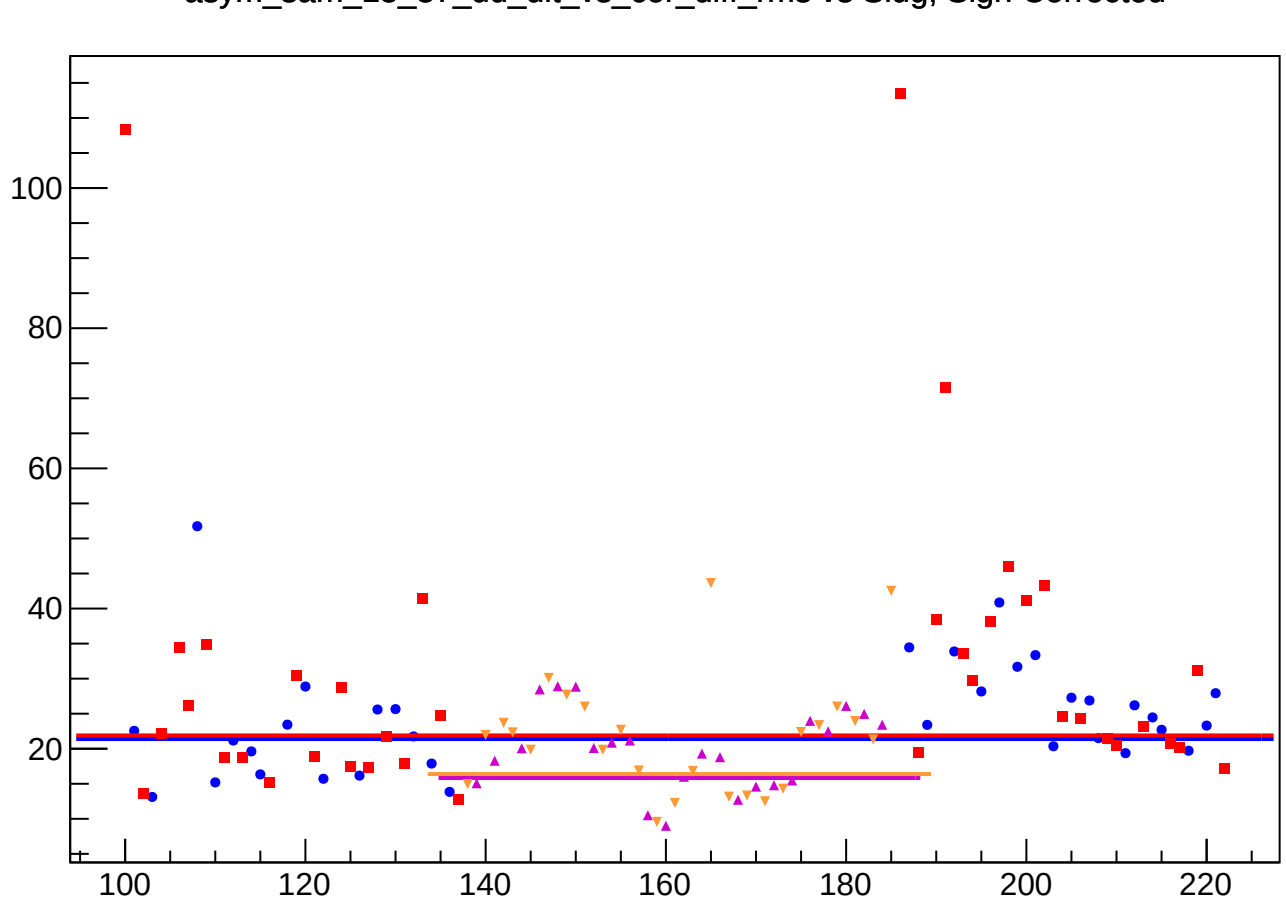
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: -0.002+/-0.004 χ^2/NDF: 96.5/71

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.4/62

All: -0.005+/-0.002 χ^2/NDF: 173.6/119



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.900+/-0.004 χ^2/NDF: 4405703.1/37

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

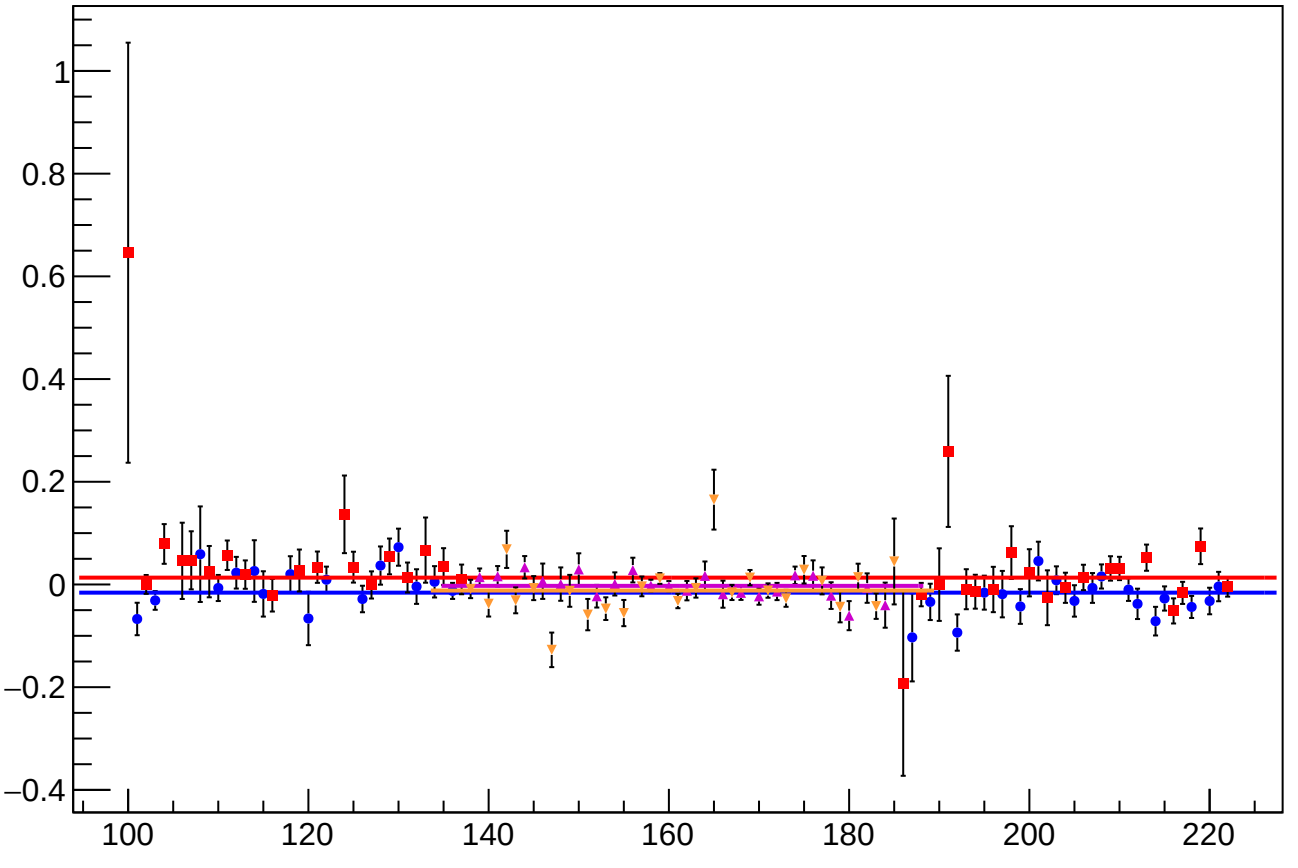
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.632+/-0.003 χ^2/NDF: 7486887.0/71

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.501+/-0.002 χ^2/NDF:9845134.6/62

All: 18.266+/-0.002 χ^2/NDF: 18101554.6/119



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: 0.013+/-0.005 χ^2/NDF: 42.3/37

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

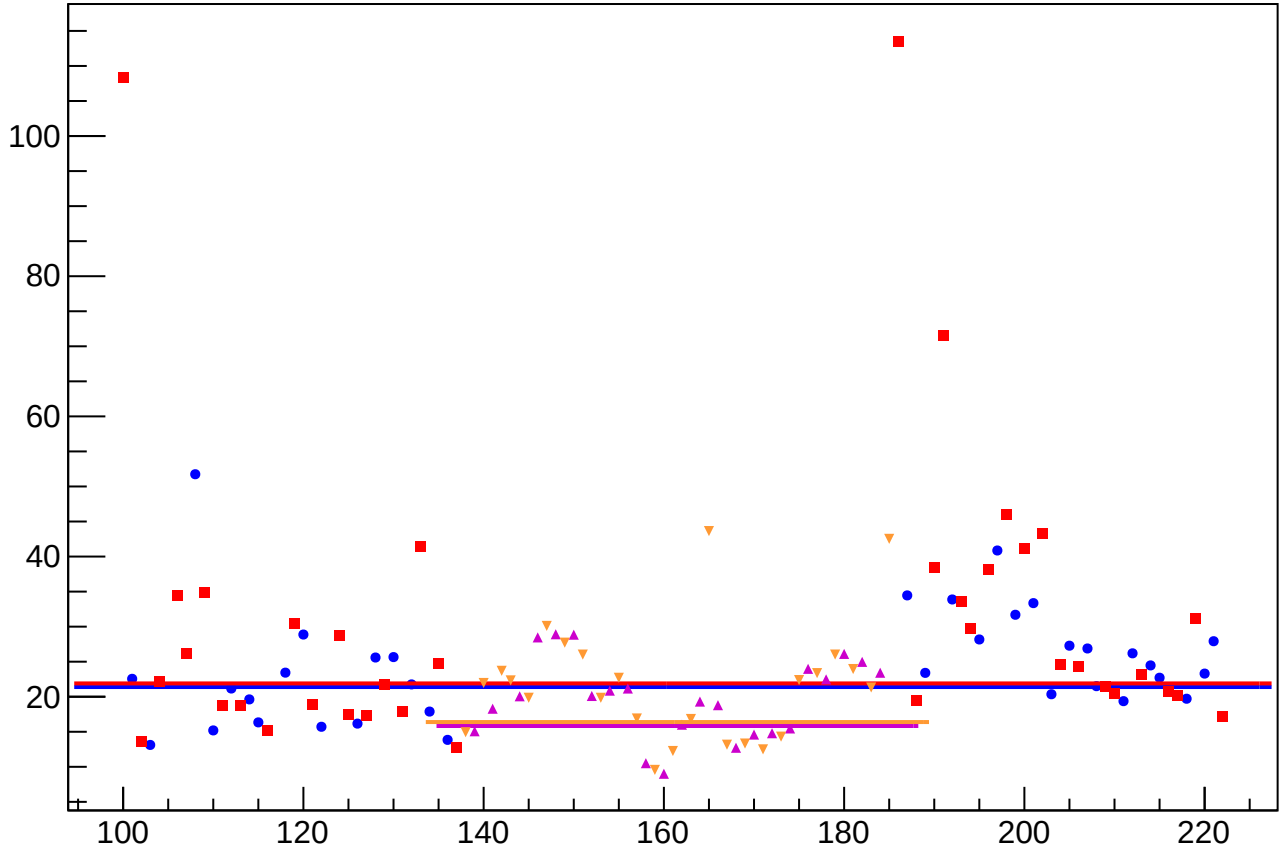
Right: -0.002+/-0.004 χ^2/NDF: 96.5/71

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.4/62

All: -0.005+/-0.002 χ^2/NDF: 173.6/119

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.900+/-0.004 χ^2/NDF: 4405703.1/37

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

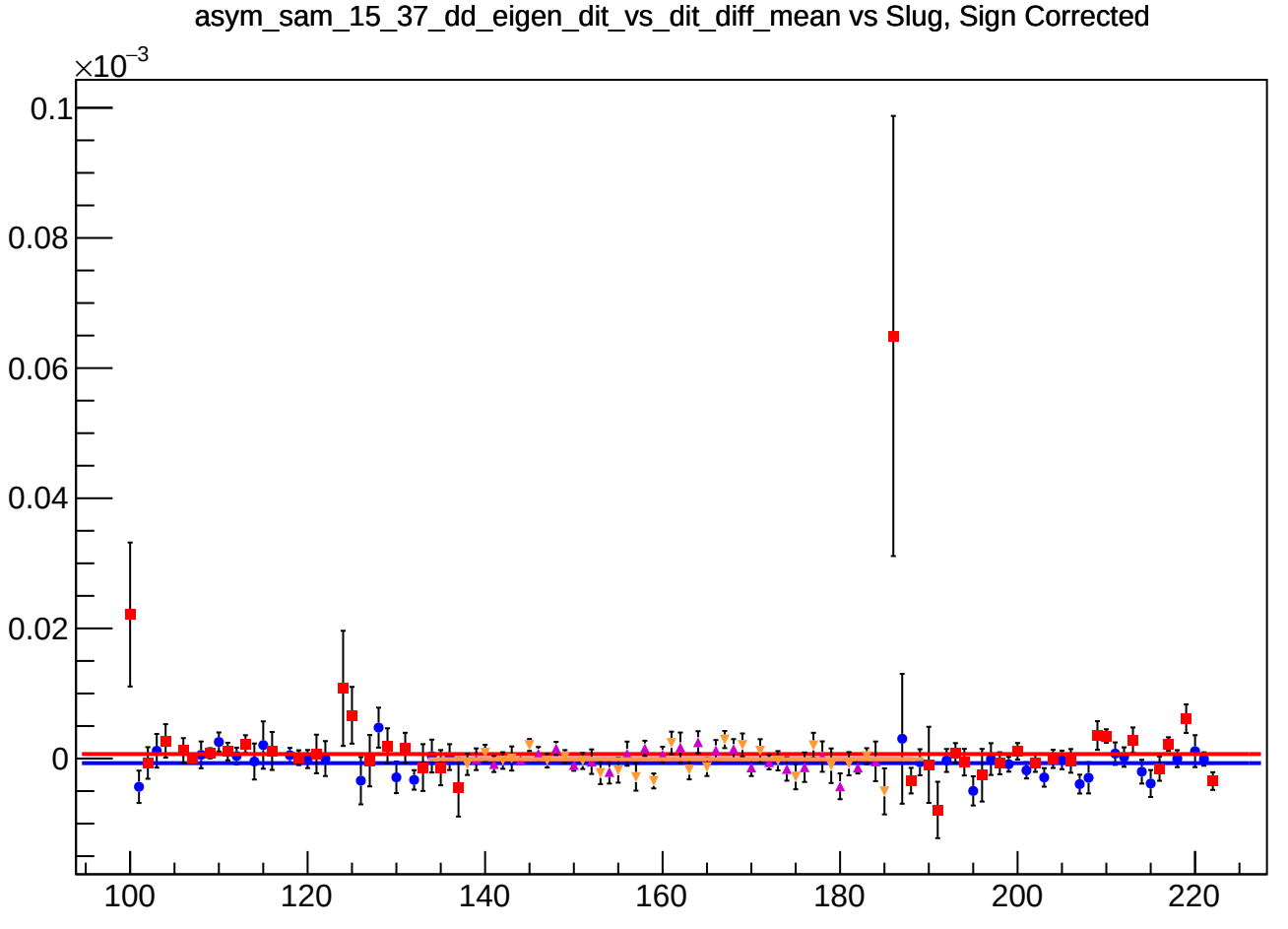
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.632+/-0.003 χ^2/NDF: 7486887.0/71

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.501+/-0.002 χ^2/NDF:9845134.6/62

All: 18.266+/-0.002 χ^2/NDF: 18101554.6/119



Right In: -0.000+/-0.000 χ^2/NDF: 36.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 57.4/37

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

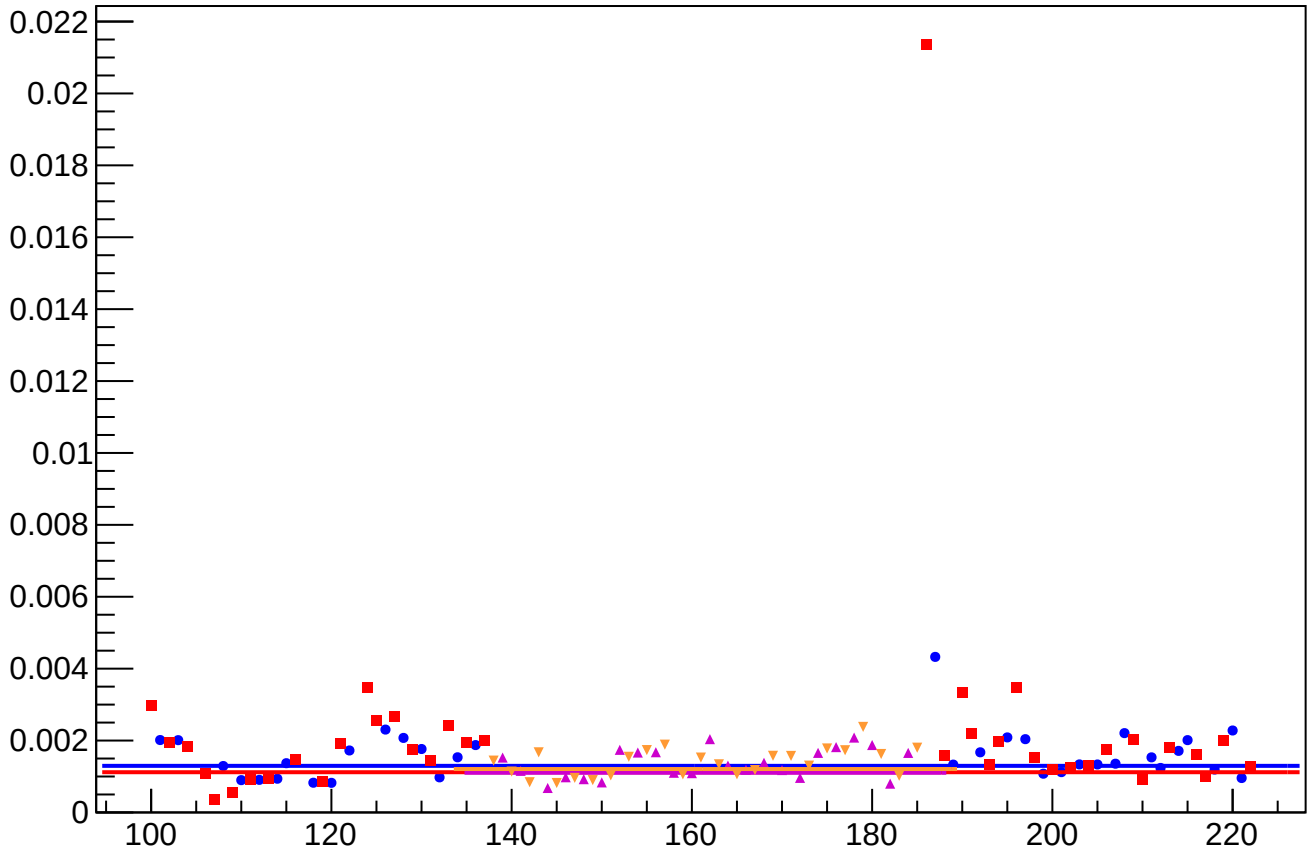
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 106.2/71

In: -0.000+/-0.000 χ^2/NDF:60.9/56

Out: 0.000+/-0.000 χ^2/NDF:97.4/62

All: -0.000+/-0.000 χ^2/NDF: 164.6/119



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: 9174987.3/37

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

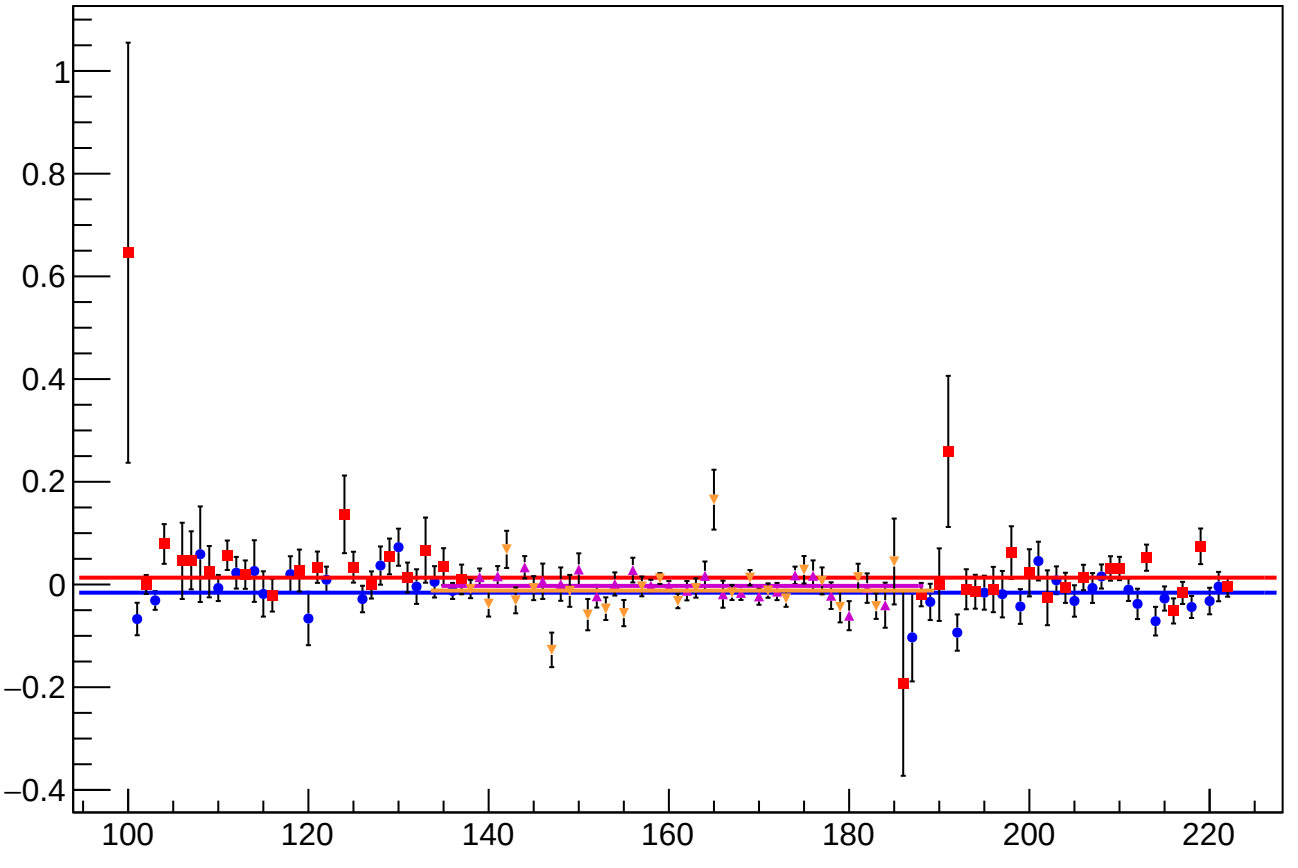
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 13560148.9/71

In: 0.001+/-0.000 χ^2/NDF:7946137.1/56

Out: 0.001+/-0.000 χ^2/NDF:11996425.0/62

All: 0.001+/-0.000 χ^2/NDF: 19968466.7/119



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: 0.013+/-0.005 χ^2/NDF: 42.3/37

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

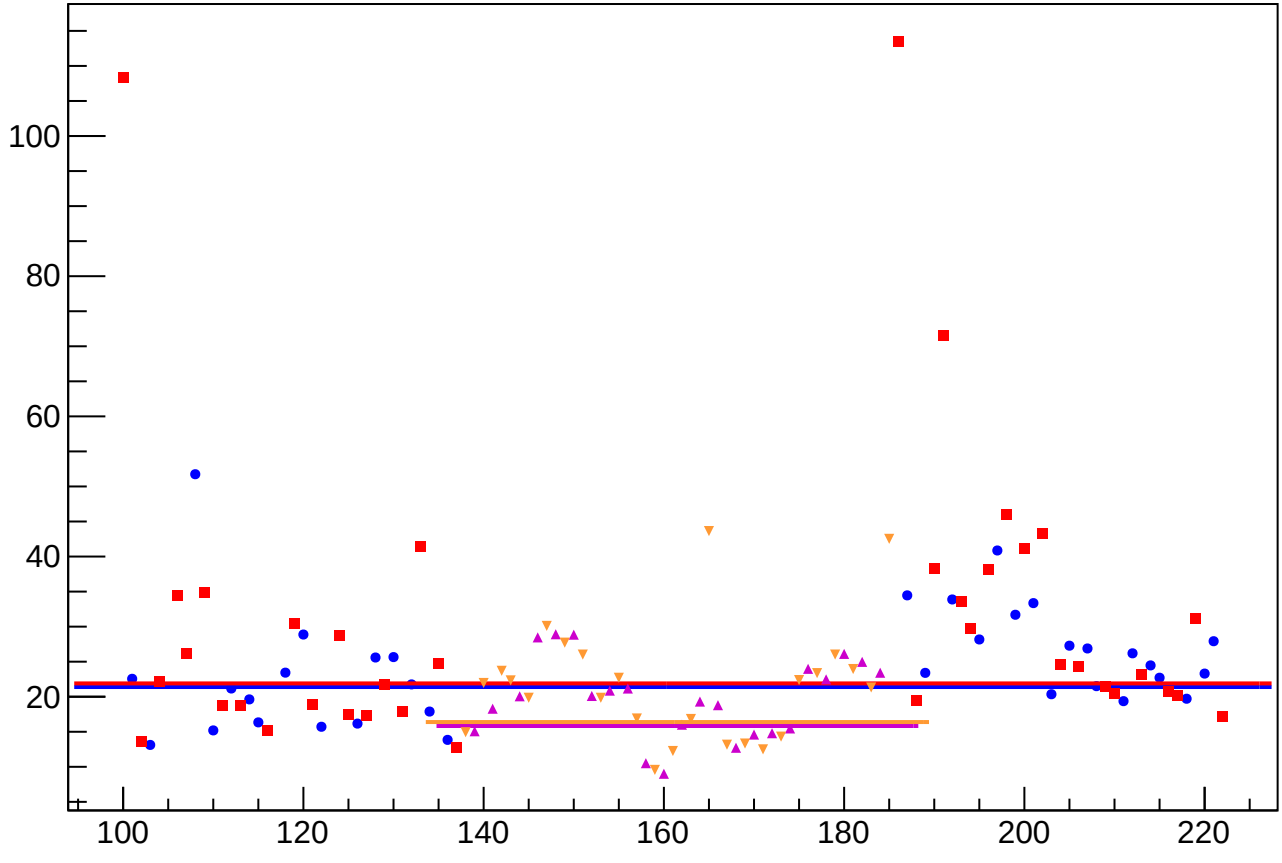
Right: -0.002+/-0.004 χ^2/NDF: 96.5/71

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.4/62

All: -0.005+/-0.002 χ^2/NDF: 173.6/119

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.900+/-0.004 χ^2/NDF: 4405468.5/37

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

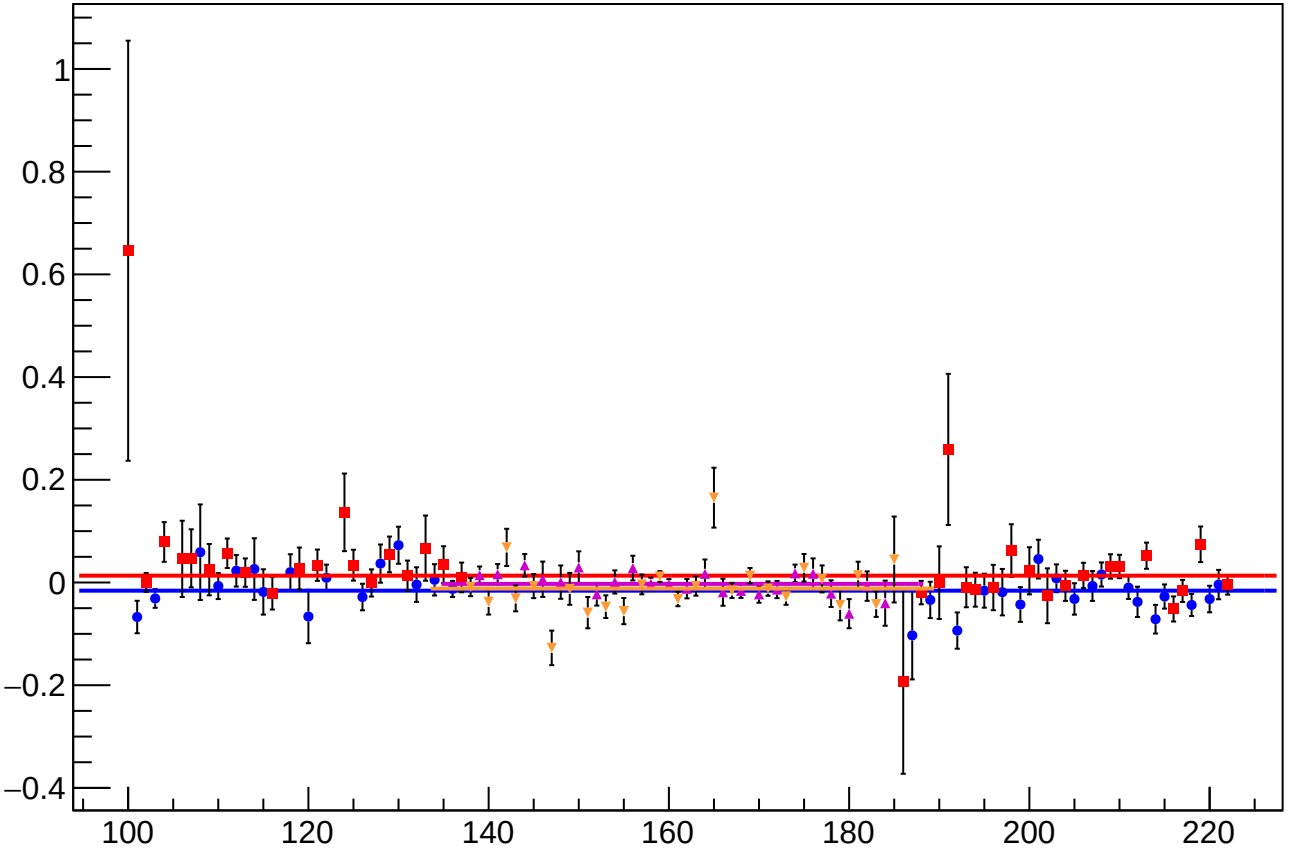
Right: 21.632+/-0.003 χ^2/NDF: 7486674.5/71

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.501+/-0.002 χ^2/NDF:9845376.0/62

All: 18.266+/-0.002 χ^2/NDF: 18102305.0/119

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: 0.013+/-0.005 χ^2/NDF: 42.3/37

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

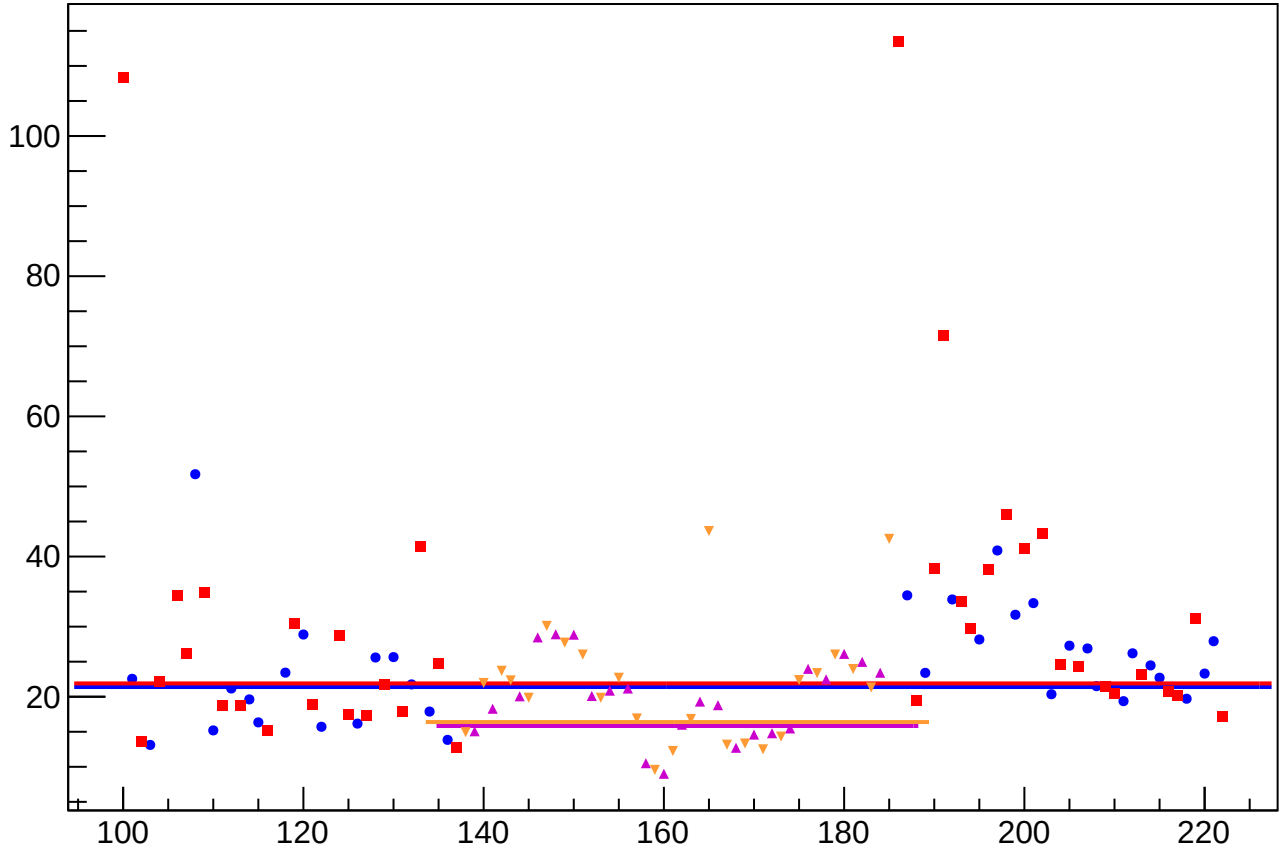
Right: -0.002+/-0.004 χ^2/NDF: 96.5/71

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.4/62

All: -0.005+/-0.002 χ^2/NDF: 173.6/119

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.900+/-0.004 χ^2/NDF: 4405468.5/37

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

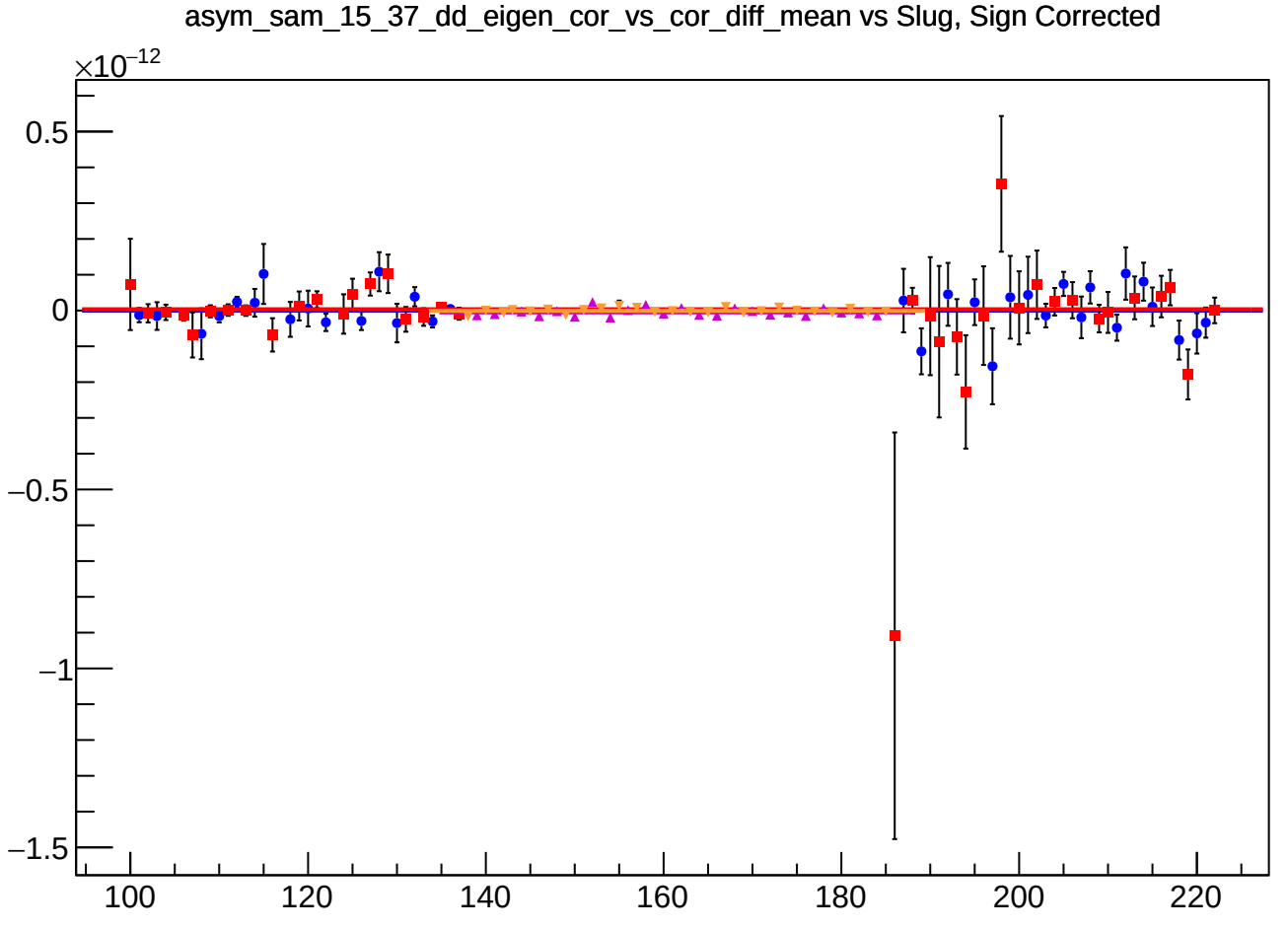
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.632+/-0.003 χ^2/NDF: 7486674.5/71

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.501+/-0.002 χ^2/NDF:9845376.0/62

All: 18.266+/-0.002 χ^2/NDF: 18102305.0/119



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: 39.0/37

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

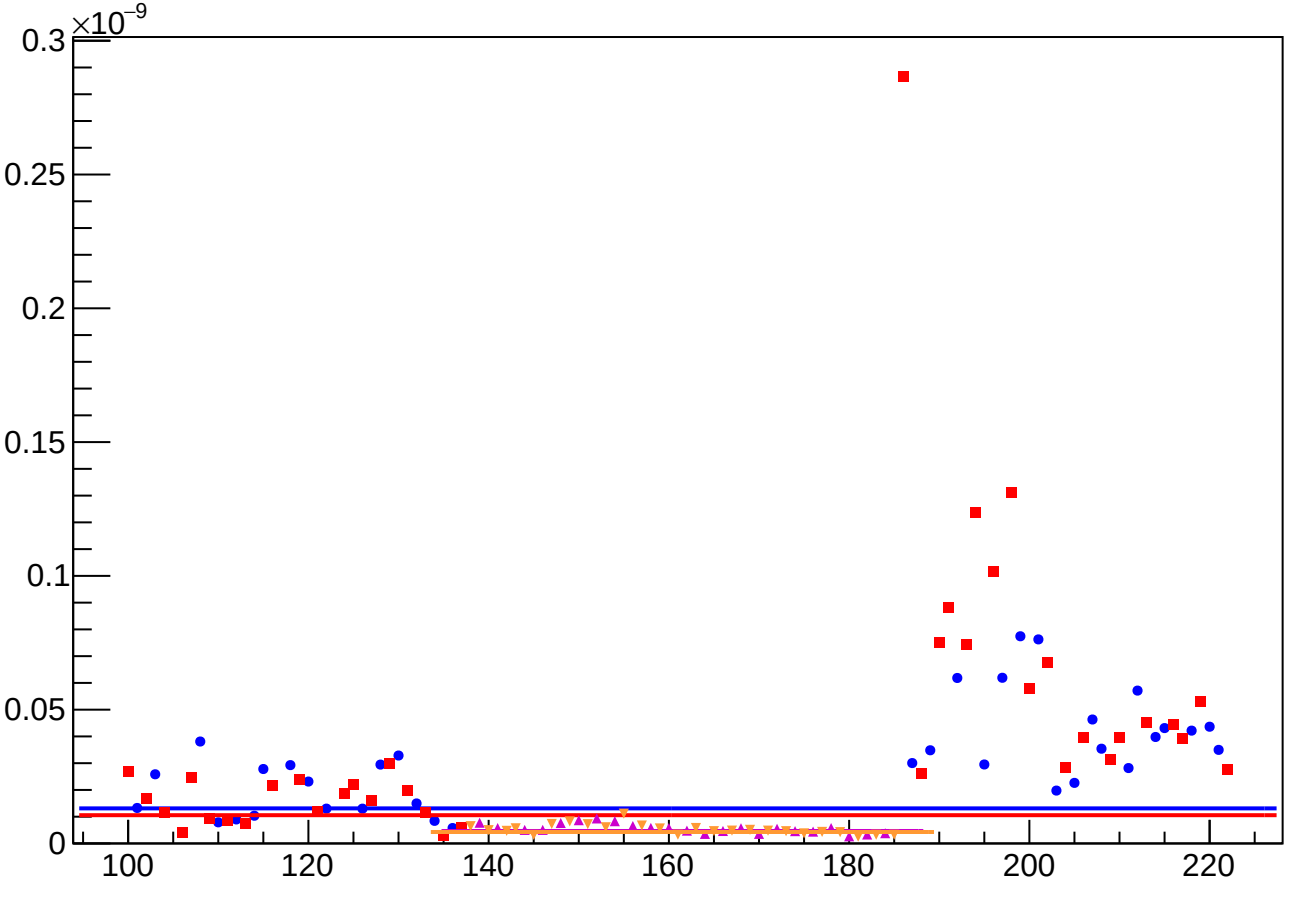
Right: 0.000+/-0.000 χ^2/NDF: 83.2/71

In: -0.000+/-0.000 χ^2/NDF:82.7/56

Out: -0.000+/-0.000 χ^2/NDF:59.1/62

All: -0.000+/-0.000 χ^2/NDF: 148.2/119

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: 15356783.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

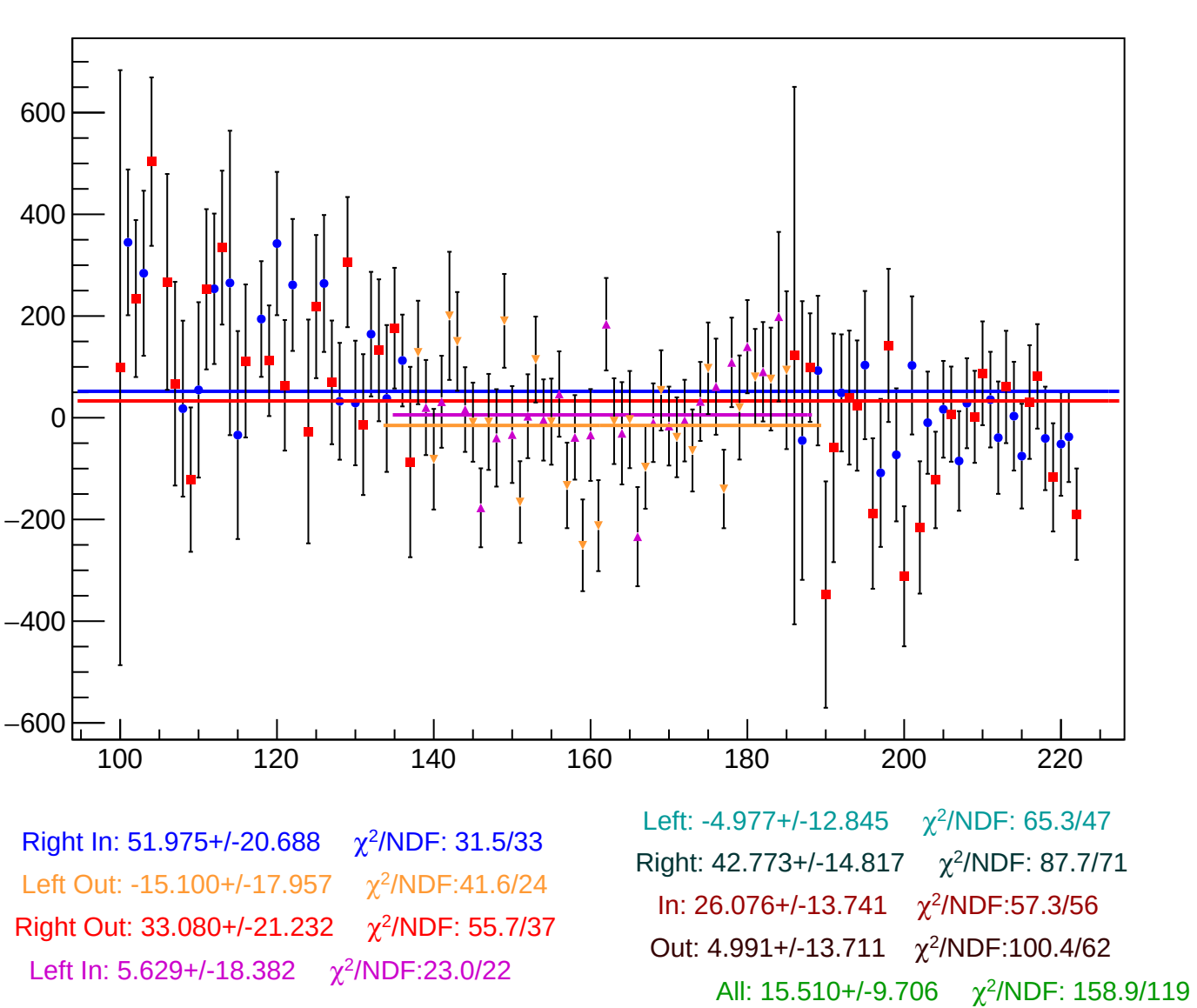
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 27361225.3/71

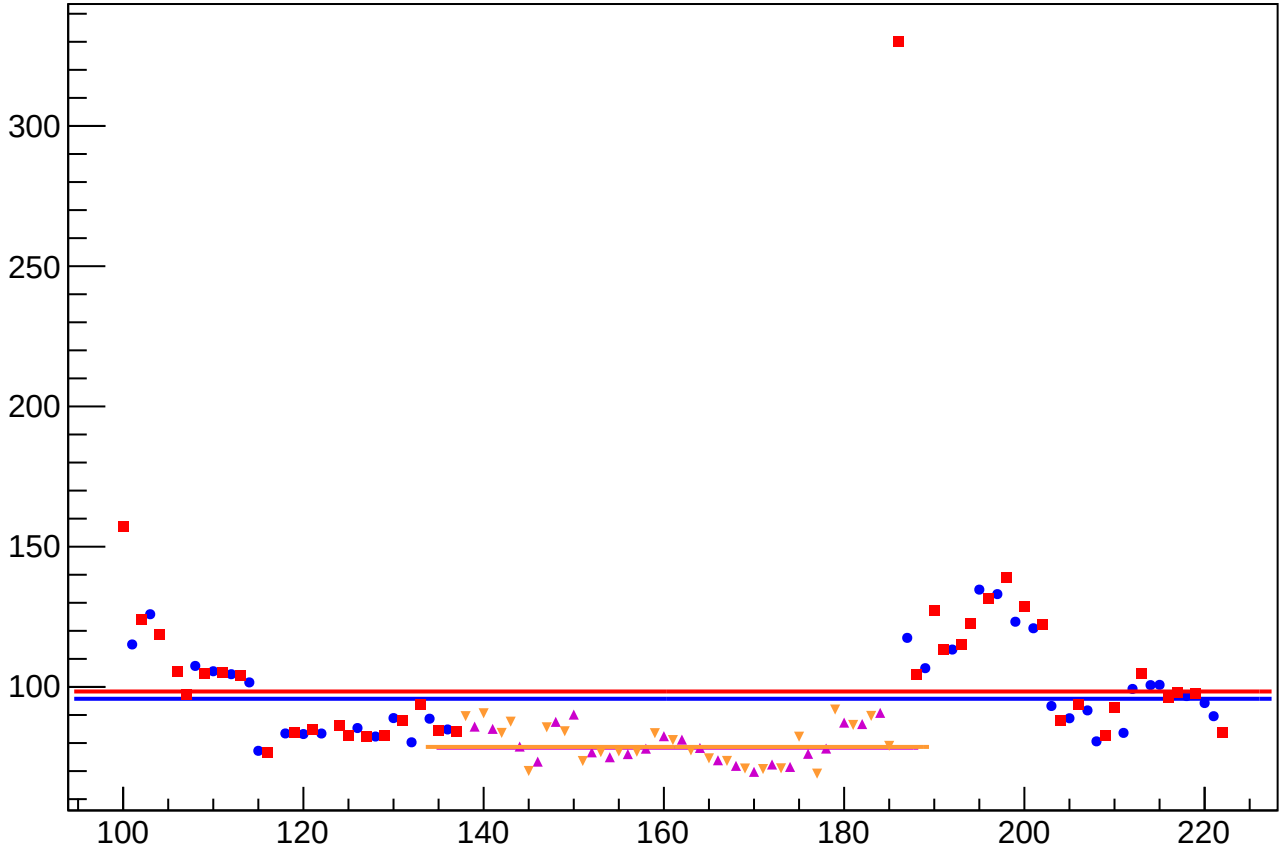
In: 0.000+/-0.000 χ^2/NDF:20156431.0/56

Out: 0.000+/-0.000 χ^2/NDF:21924073.5/62

All: 0.000+/-0.000 χ^2/NDF: 42258291.9/119


reg_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: 51.975+/-20.688 χ²/NDF: 31.5/33
Left Out: -15.100+/-17.957 χ²/NDF:41.6/24
Right Out: 33.080+/-21.232 χ²/NDF: 55.7/37
Left In: 5.629+/-18.382 χ²/NDF:23.0/22
Left: -4.977+/-12.845 χ²/NDF: 65.3/47
Right: 42.773+/-14.817 χ²/NDF: 87.7/71
In: 26.076+/-13.741 χ²/NDF:57.3/56
Out: 4.991+/-13.711 χ²/NDF:100.4/62
All: 15.510+/-9.706 χ²/NDF: 158.9/119

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 95.778+/-0.015 χ^2/NDF: 945210.5/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 98.380+/-0.015 χ^2/NDF: 1469472.6/37

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

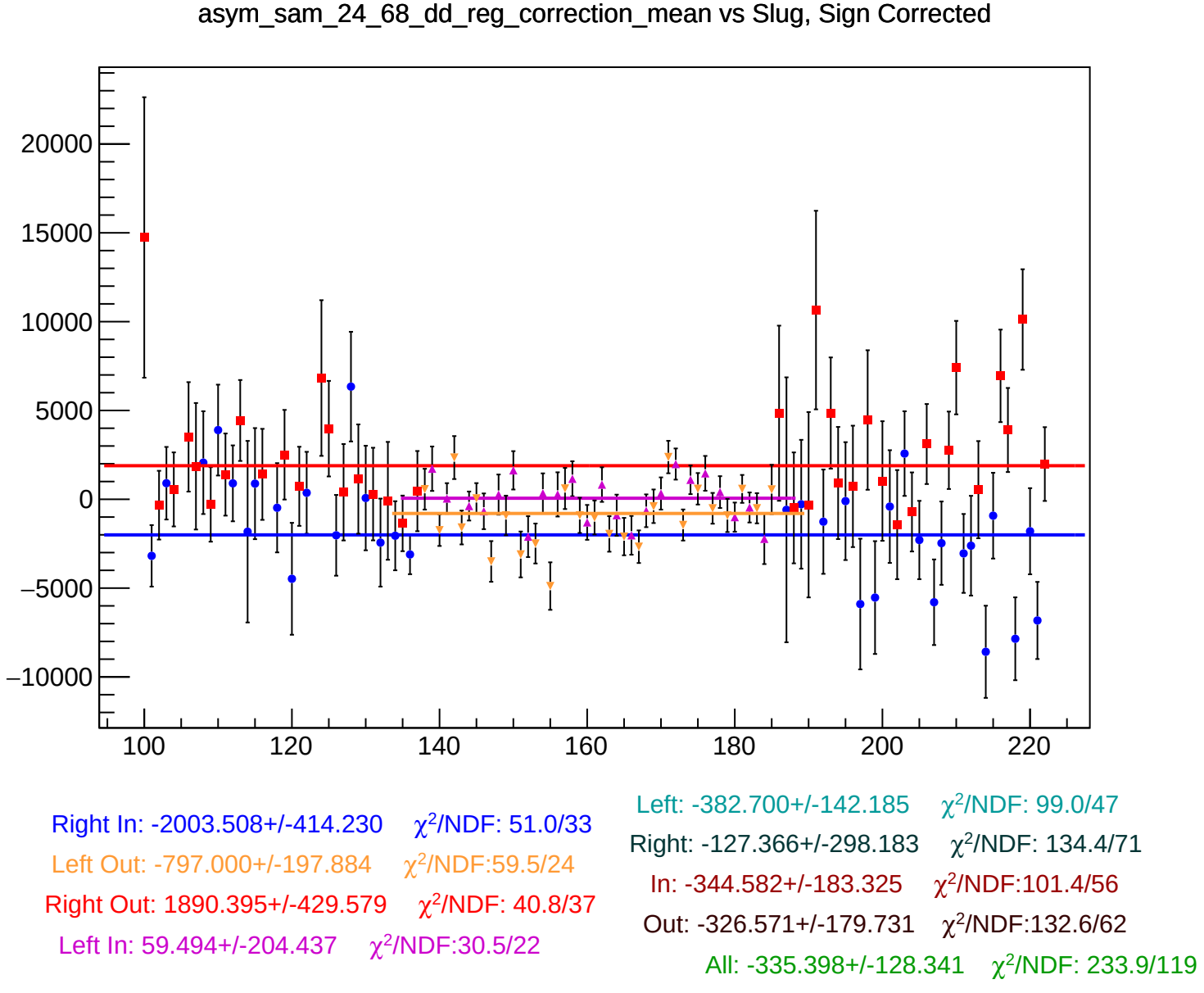
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.045+/-0.010 χ^2/NDF: 2430089.2/71

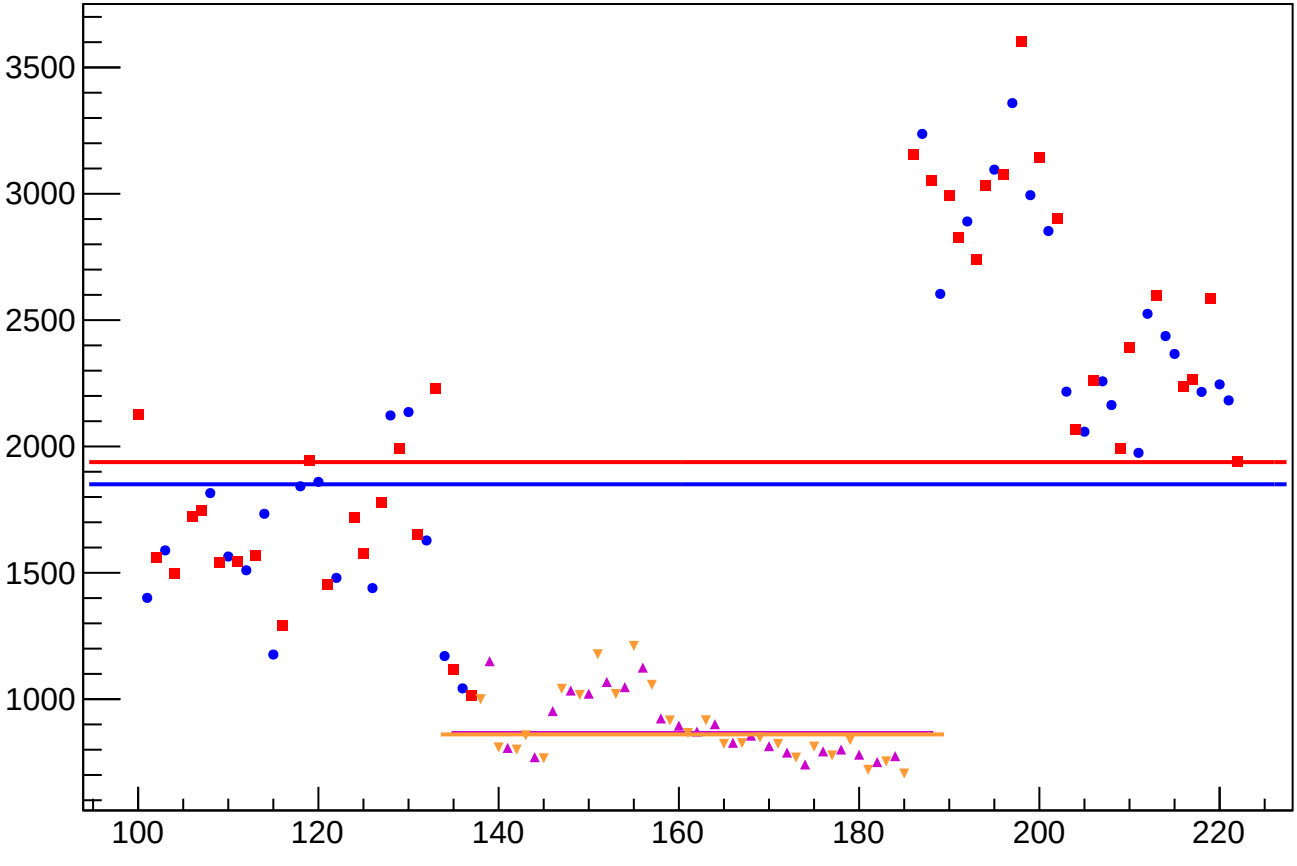
In: 86.030+/-0.010 χ^2/NDF:1948921.3/56

Out: 86.859+/-0.010 χ^2/NDF:2786738.8/62

All: 86.445+/-0.007 χ^2/NDF: 4739306.6/119


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2003.508+/-414.230 χ²/NDF: 51.0/33
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1890.395+/-429.579 χ²/NDF: 40.8/37
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -127.366+/-298.183 χ²/NDF: 134.4/71
In: -344.582+/-183.325 χ²/NDF:101.4/56
Out: -326.571+/-179.731 χ²/NDF:132.6/62
All: -335.398+/-128.341 χ²/NDF: 233.9/119

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1938.192+/-0.304 χ^2/NDF: 3871033.3/37

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

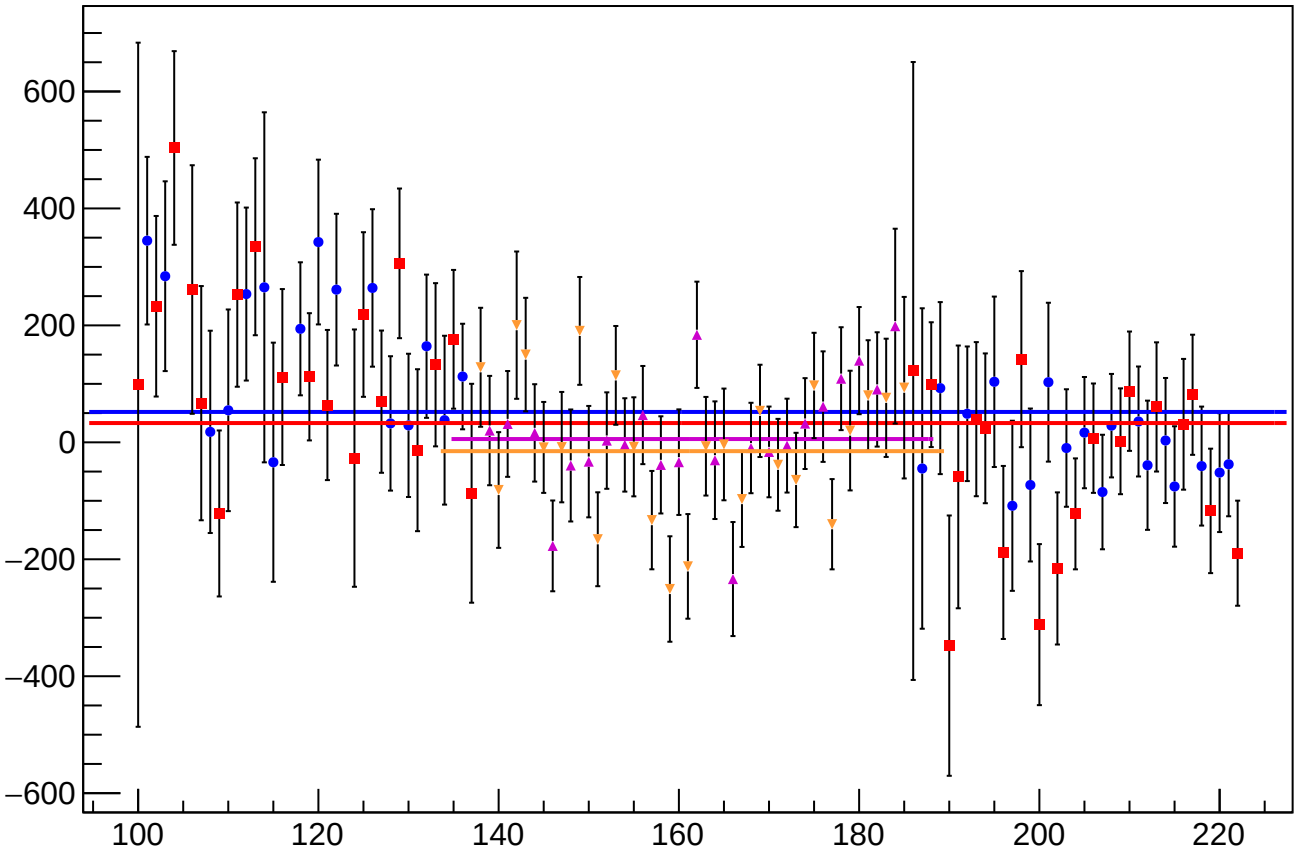
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1892.677+/-0.211 χ^2/NDF: 7826374.1/71

In: 1059.087+/-0.130 χ^2/NDF:13600760.7/56

Out: 1049.144+/-0.127 χ^2/NDF:14954349.9/62

All: 1054.017+/-0.091 χ^2/NDF: 28558110.4/1



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: 32.976+/-21.233 χ^2/NDF: 55.6/37

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

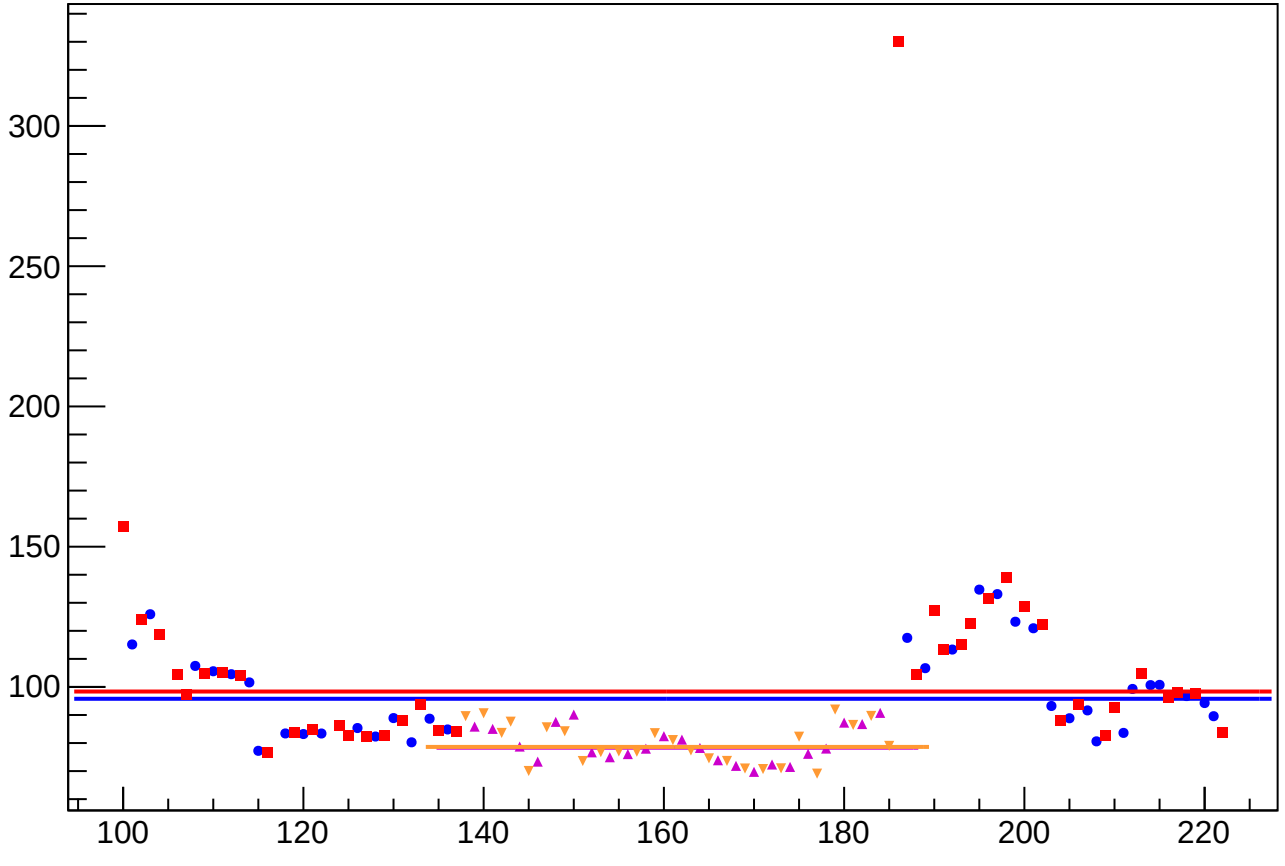
Right: 42.720+/-14.817 χ^2/NDF: 87.6/71

In: 26.071+/-13.741 χ^2/NDF:57.3/56

Out: 4.949+/-13.711 χ^2/NDF:100.3/62

All: 15.487+/-9.706 χ^2/NDF: 158.8/119

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 98.367+/-0.015 χ^2/NDF: 1468905.9/37

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

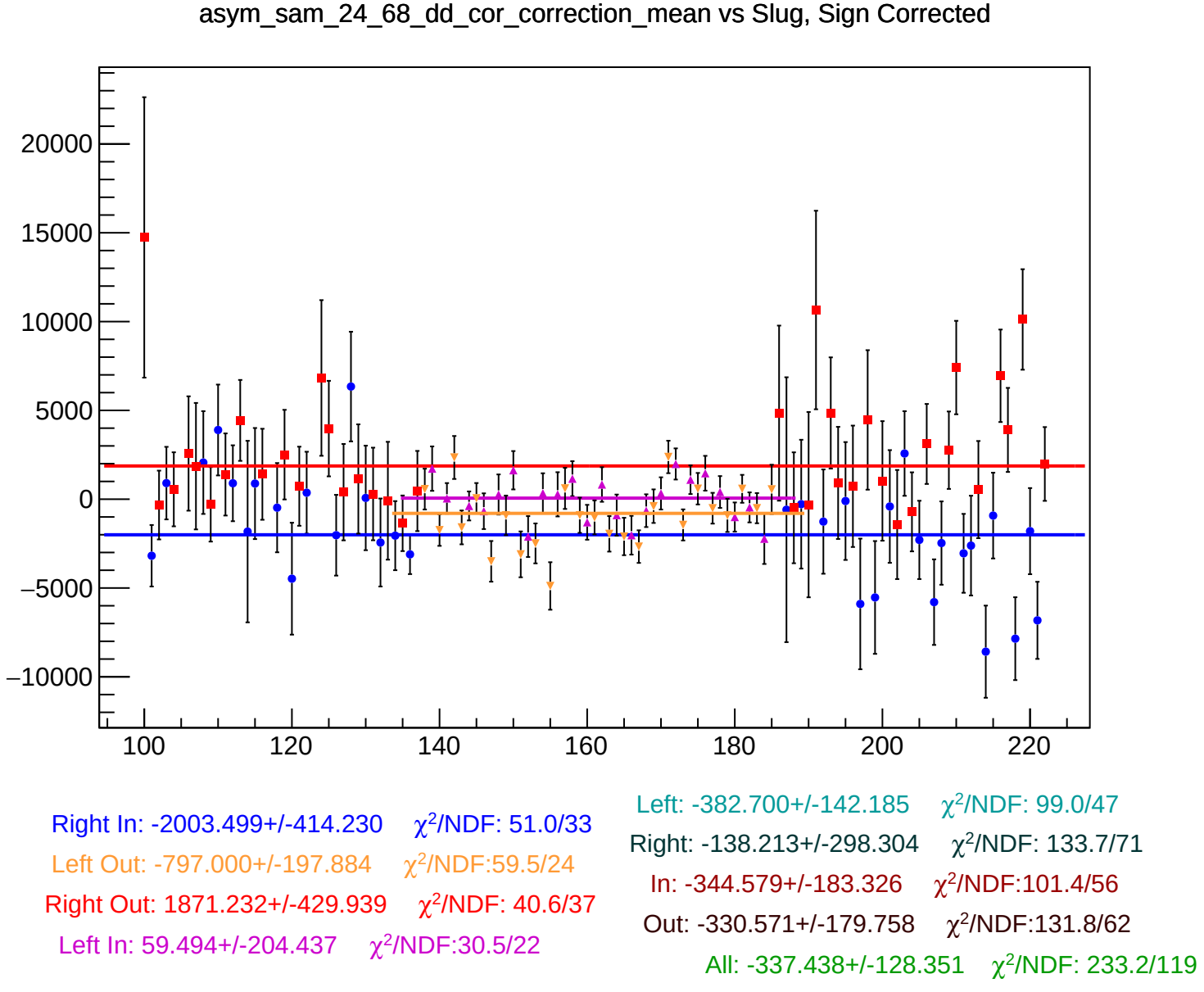
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

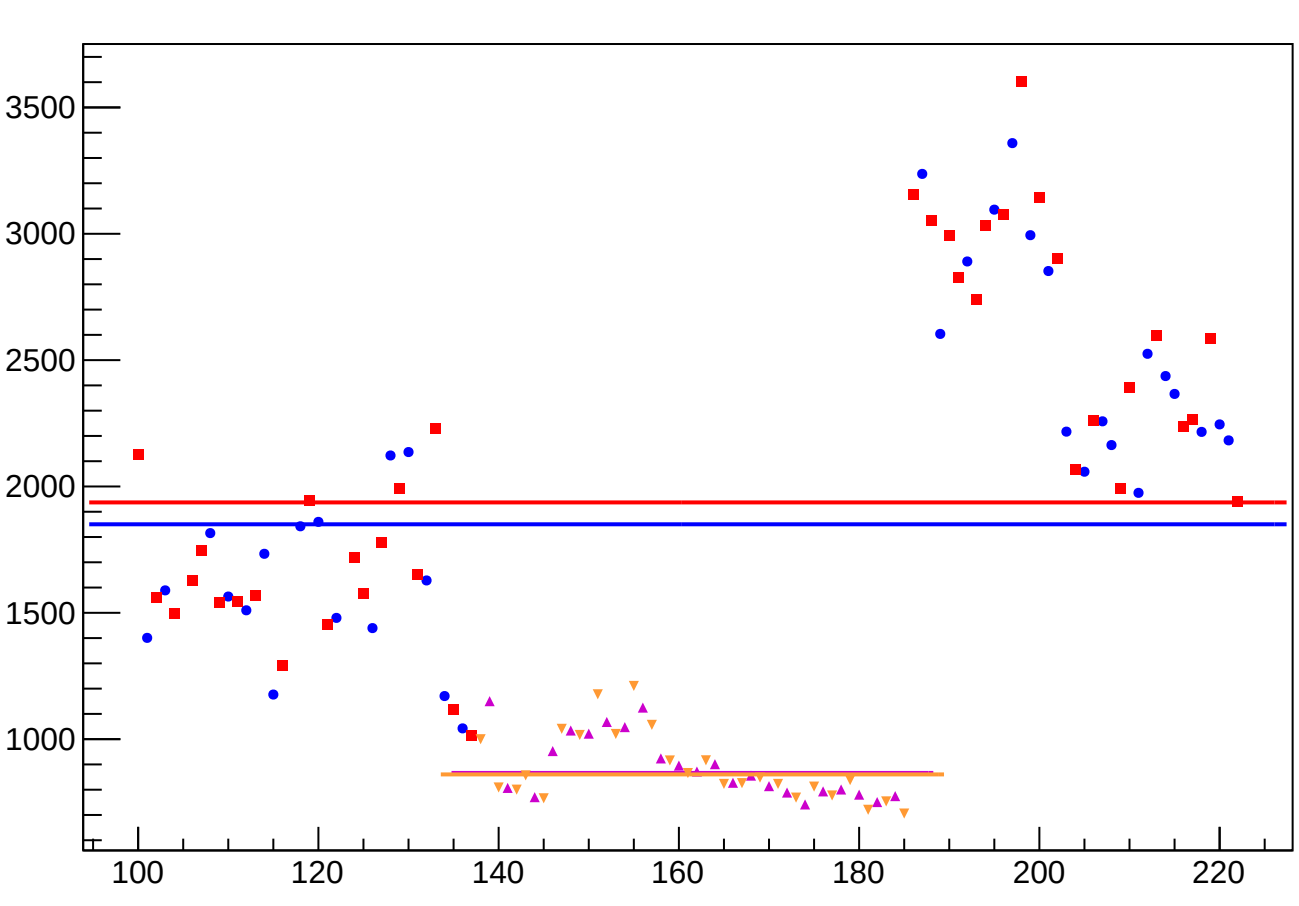
Right: 97.039+/-0.010 χ^2/NDF: 2429376.8/71

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.853+/-0.010 χ^2/NDF:2784873.0/62

All: 86.443+/-0.007 χ^2/NDF: 4737395.0/119


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2003.499+/-414.230 χ²/NDF: 51.0/33
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1871.232+/-429.939 χ²/NDF: 40.6/37
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -138.213+/-298.304 χ²/NDF: 133.7/71
In: -344.579+/-183.326 χ²/NDF:101.4/56
Out: -330.571+/-179.758 χ²/NDF:131.8/62
All: -337.438+/-128.351 χ²/NDF: 233.2/119



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: 1936.916+/-0.304 χ^2/NDF: 3879400.6/37

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

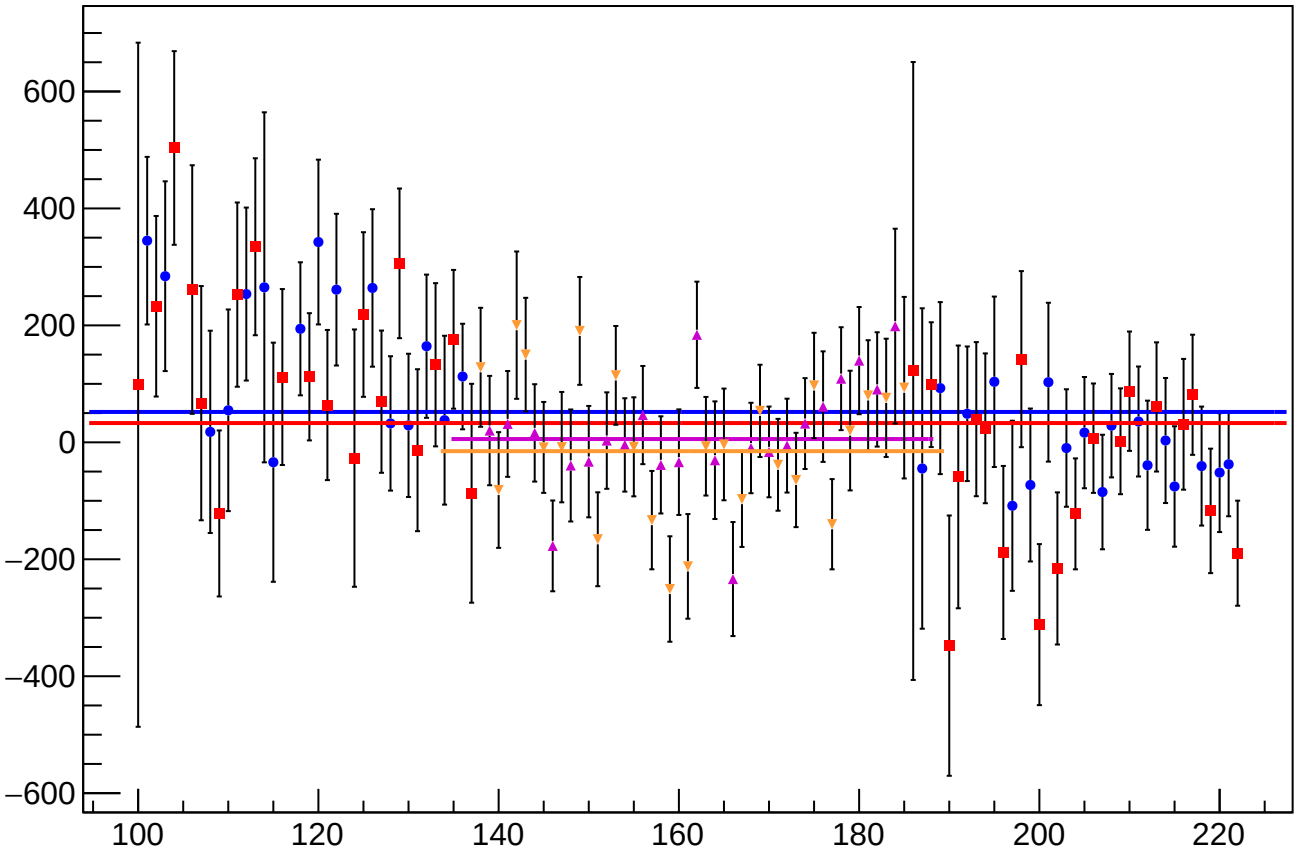
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1892.028+/-0.211 χ^2/NDF: 7833435.1/71

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1048.660+/-0.127 χ^2/NDF:14923815.1/62

All: 1053.771+/-0.091 χ^2/NDF: 28527887.3/1



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: 32.976+/-21.233 χ^2/NDF: 55.6/37

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

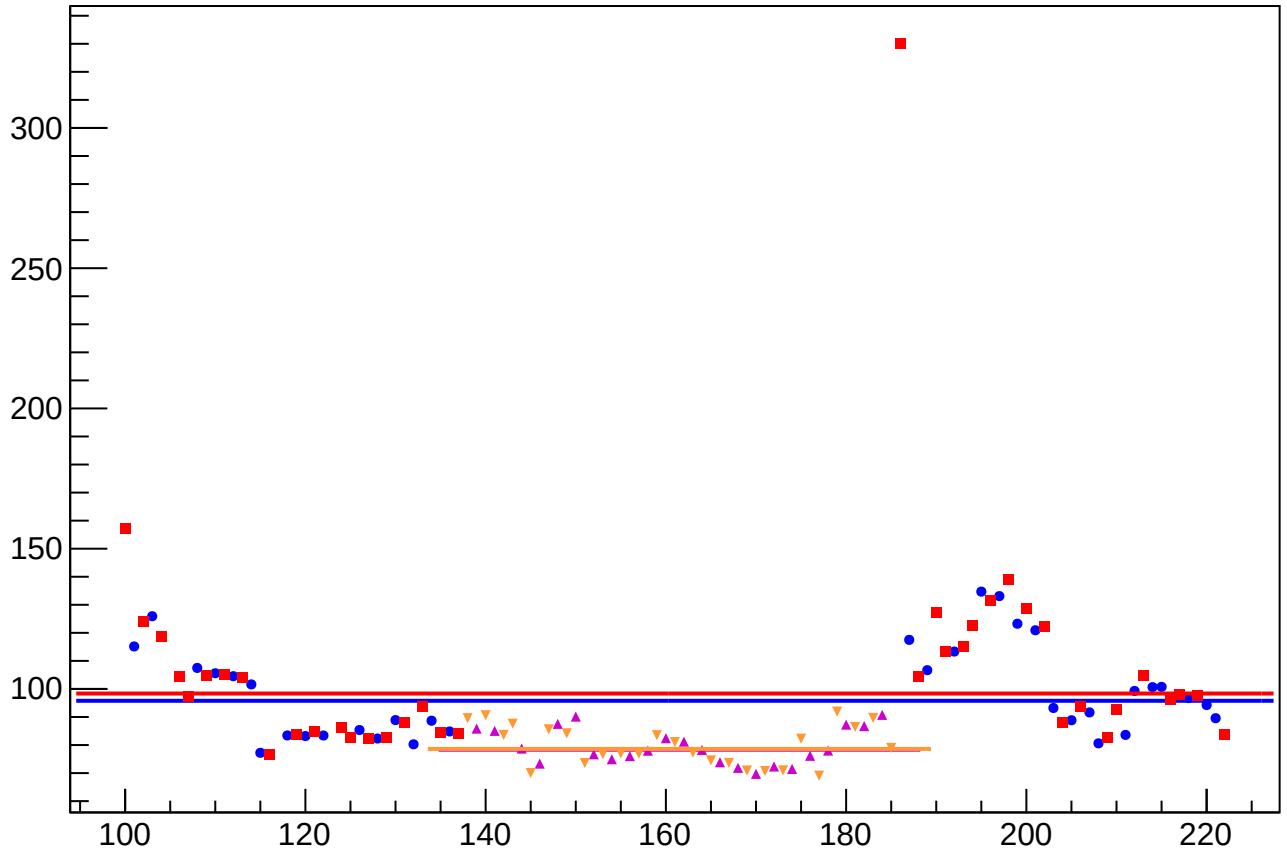
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 42.720+/-14.817 χ^2/NDF: 87.6/71

In: 26.071+/-13.741 χ^2/NDF:57.3/56

Out: 4.949+/-13.711 χ^2/NDF:100.3/62

All: 15.487+/-9.706 χ^2/NDF: 158.8/119



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 98.367+/-0.015 χ^2/NDF: 1468905.9/37

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

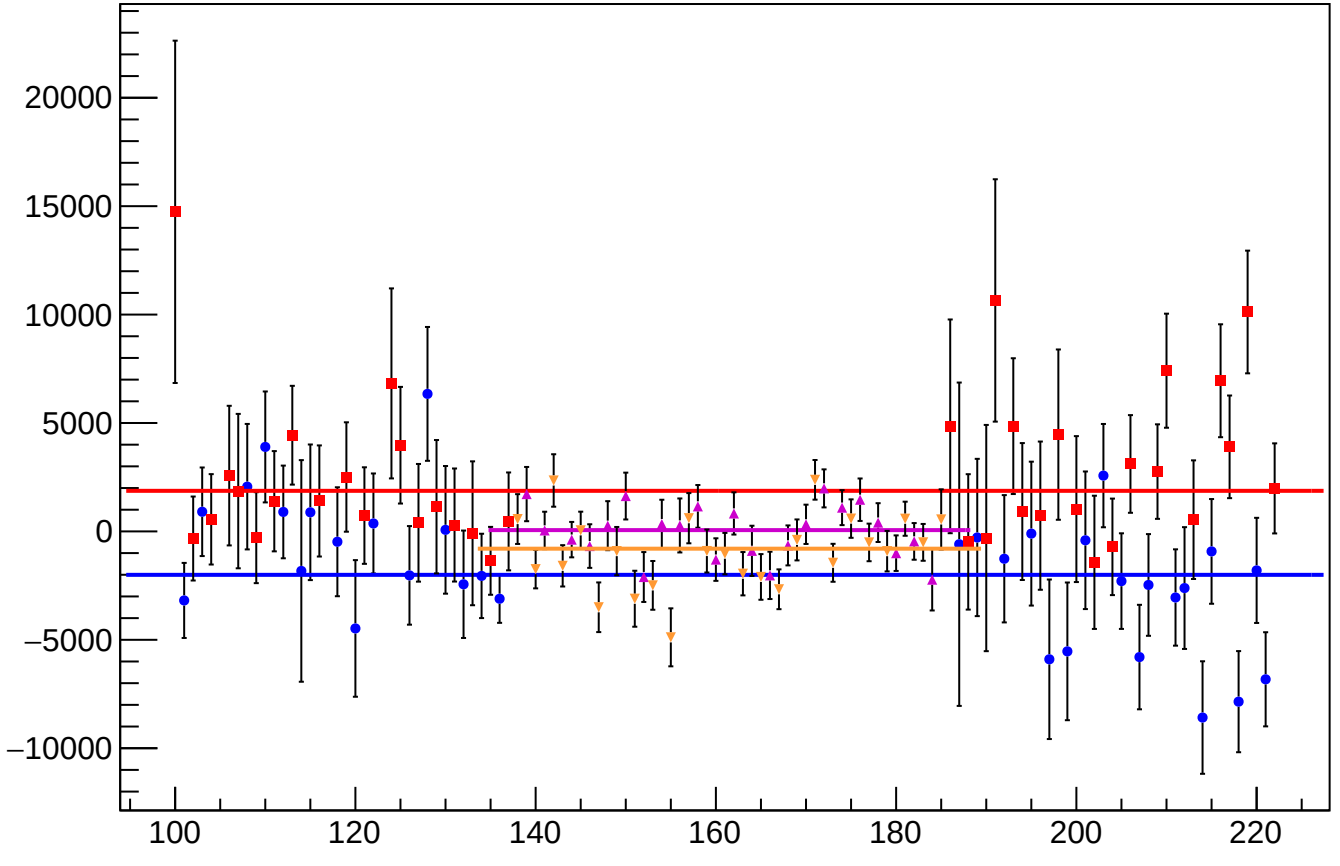
Right: 97.039+/-0.010 χ^2/NDF: 2429376.8/71

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.853+/-0.010 χ^2/NDF:2784873.0/62

All: 86.443+/-0.007 χ^2/NDF: 4737395.0/119

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2003.499+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1871.232+/-429.939 χ^2/NDF: 40.6/37

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

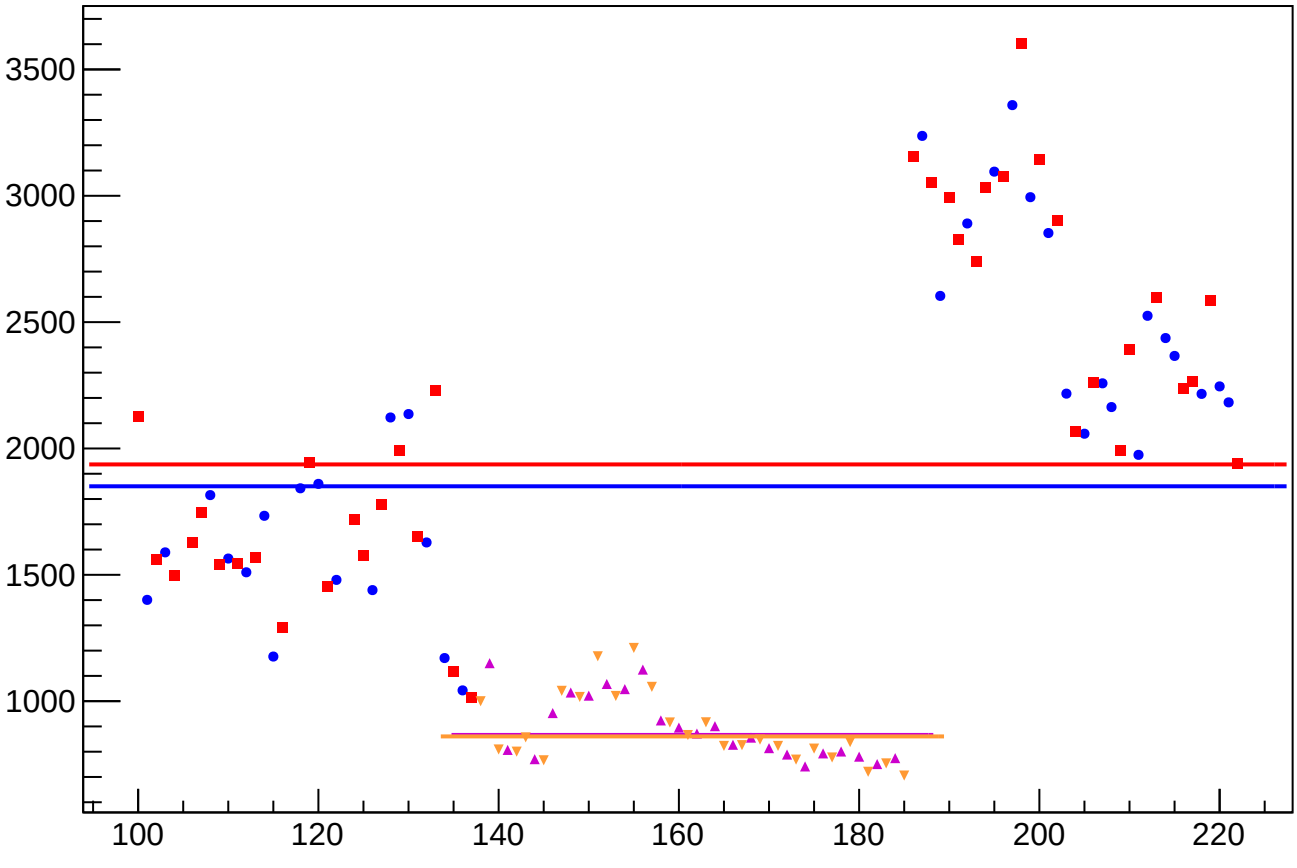
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -138.213+/-298.304 χ^2/NDF: 133.7/71

In: -344.579+/-183.326 χ^2/NDF:101.4/56

Out: -330.571+/-179.758 χ^2/NDF:131.8/62

All: -337.438+/-128.351 χ^2/NDF: 233.2/119



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: 1936.916+/-0.304 χ^2/NDF: 3879400.6/37

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

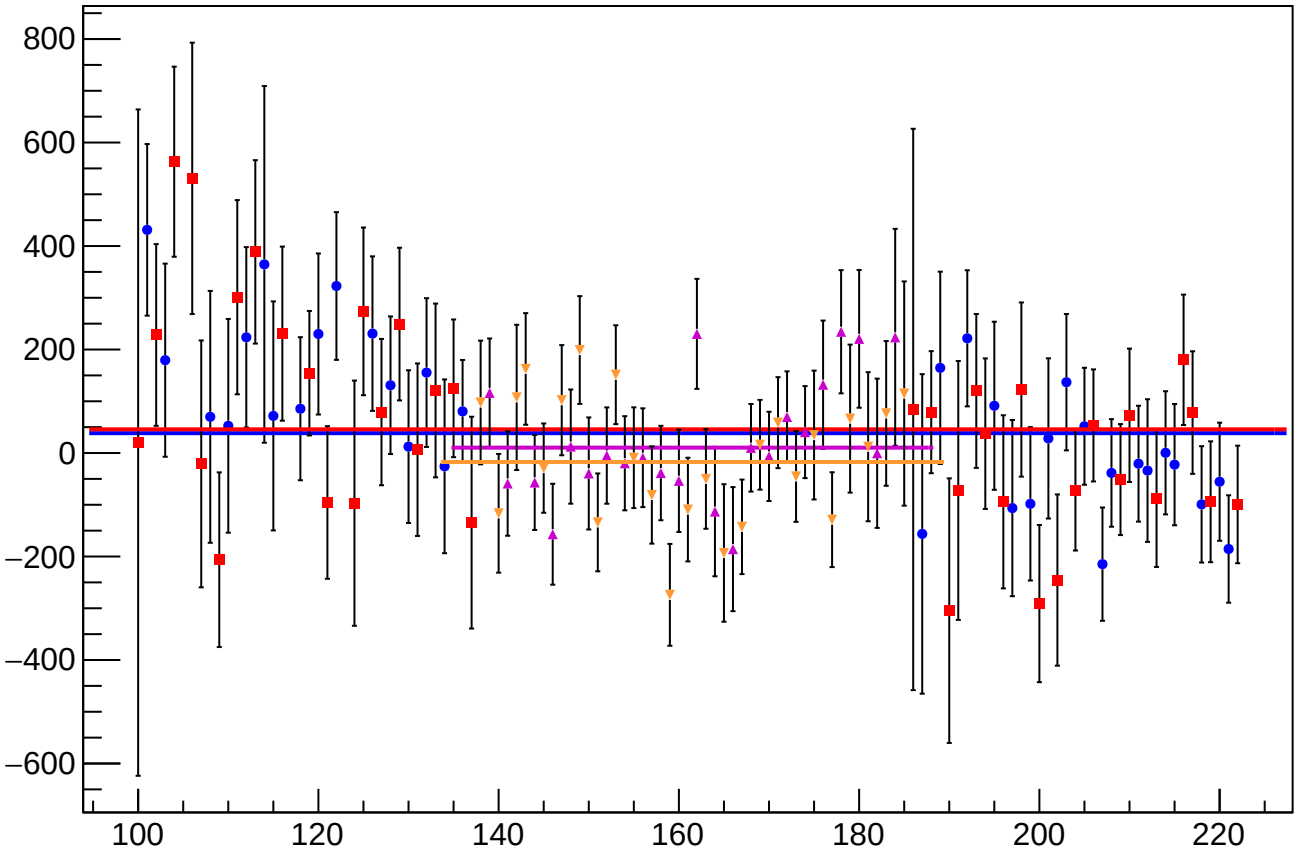
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1892.028+/-0.211 χ^2/NDF: 7833435.1/71

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1048.660+/-0.127 χ^2/NDF:14923815.1/62

All: 1053.771+/-0.091 χ^2/NDF: 28527887.3/1



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: 45.801+/-24.662 χ^2/NDF: 47.5/37

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

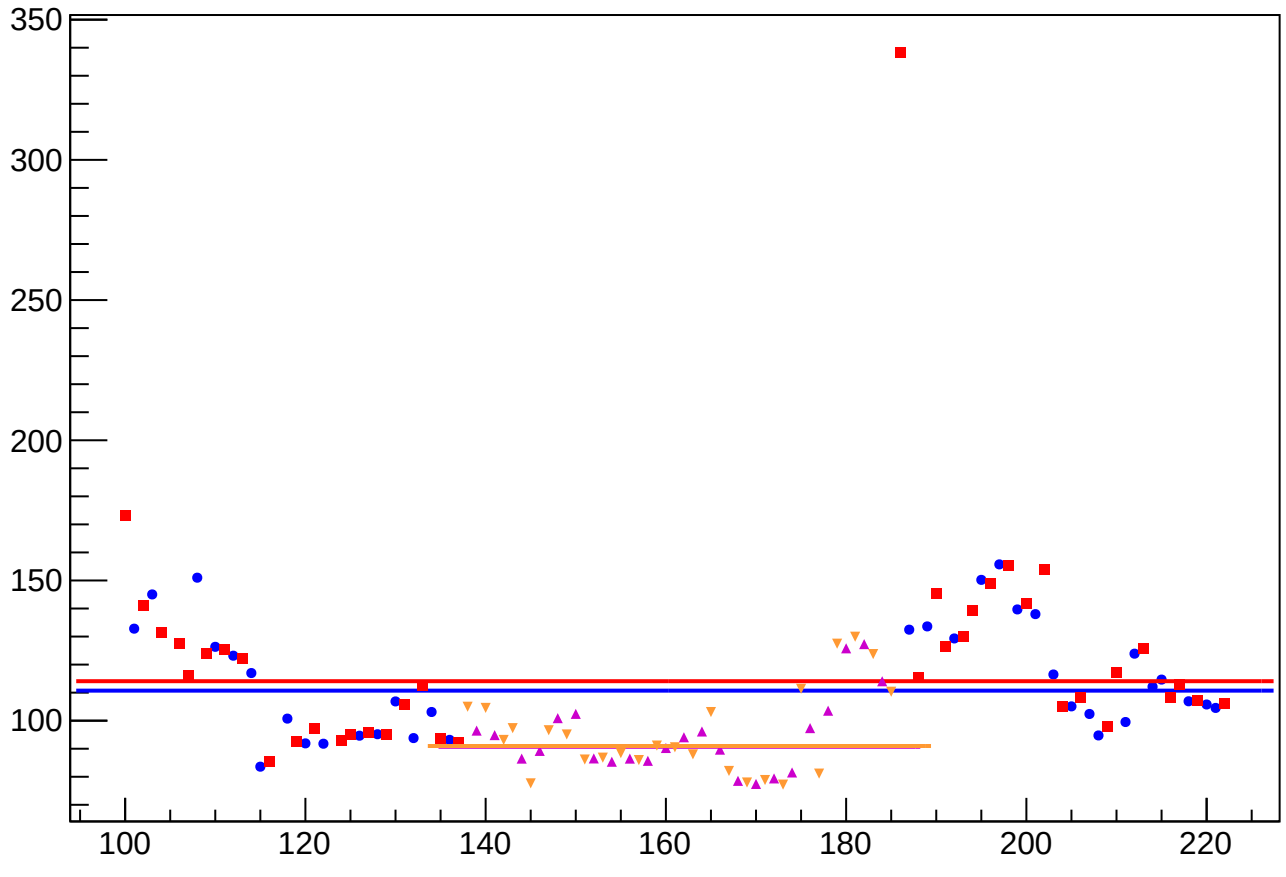
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 41.980+/-17.199 χ^2/NDF: 83.3/71

In: 22.858+/-16.015 χ^2/NDF:59.1/56

Out: 9.171+/-15.983 χ^2/NDF:82.5/62

All: 16.001+/-11.313 χ^2/NDF: 142.0/119



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: 114.082+/-0.017 χ^2/NDF: 1388259.1/37

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

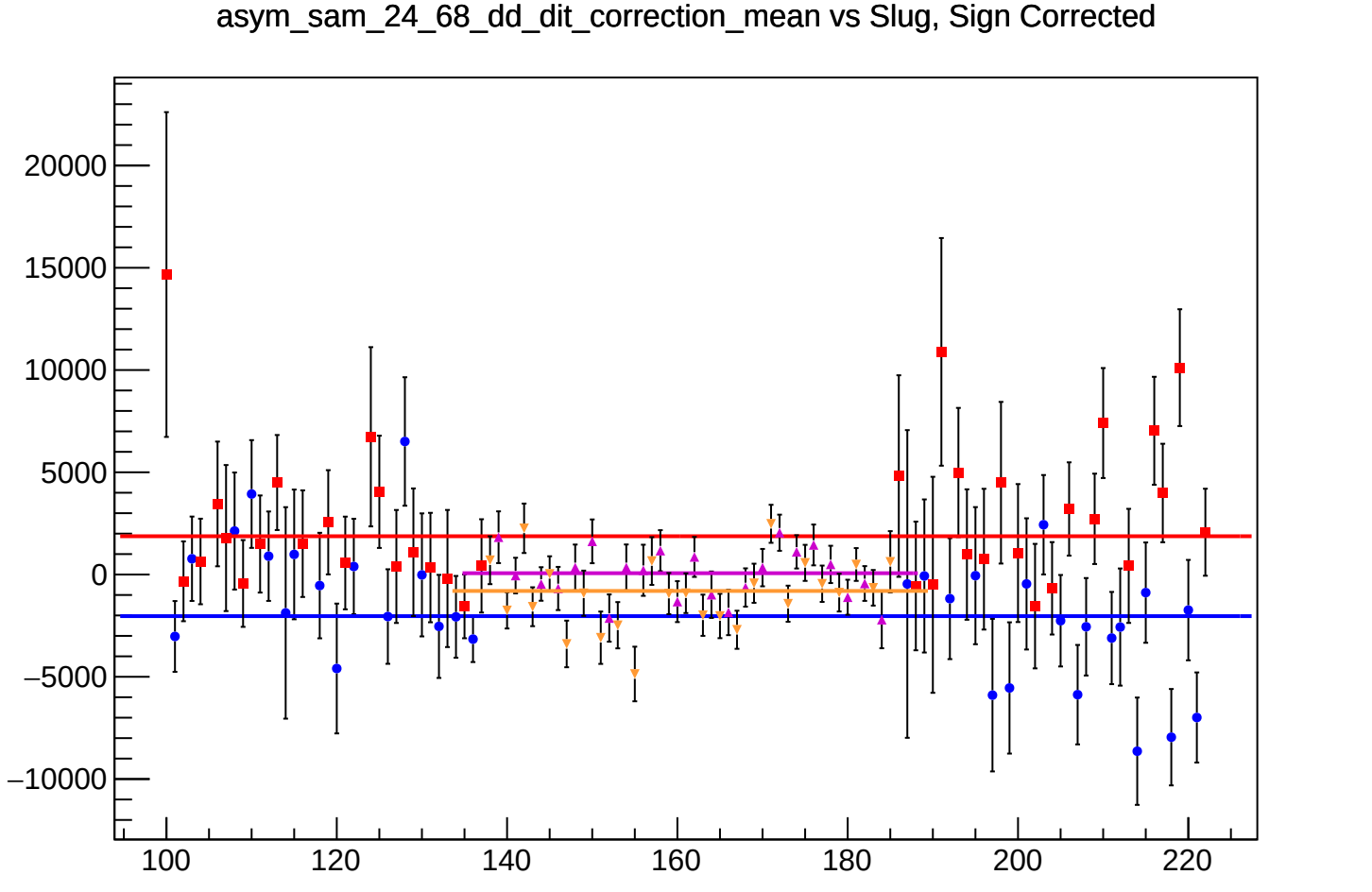
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

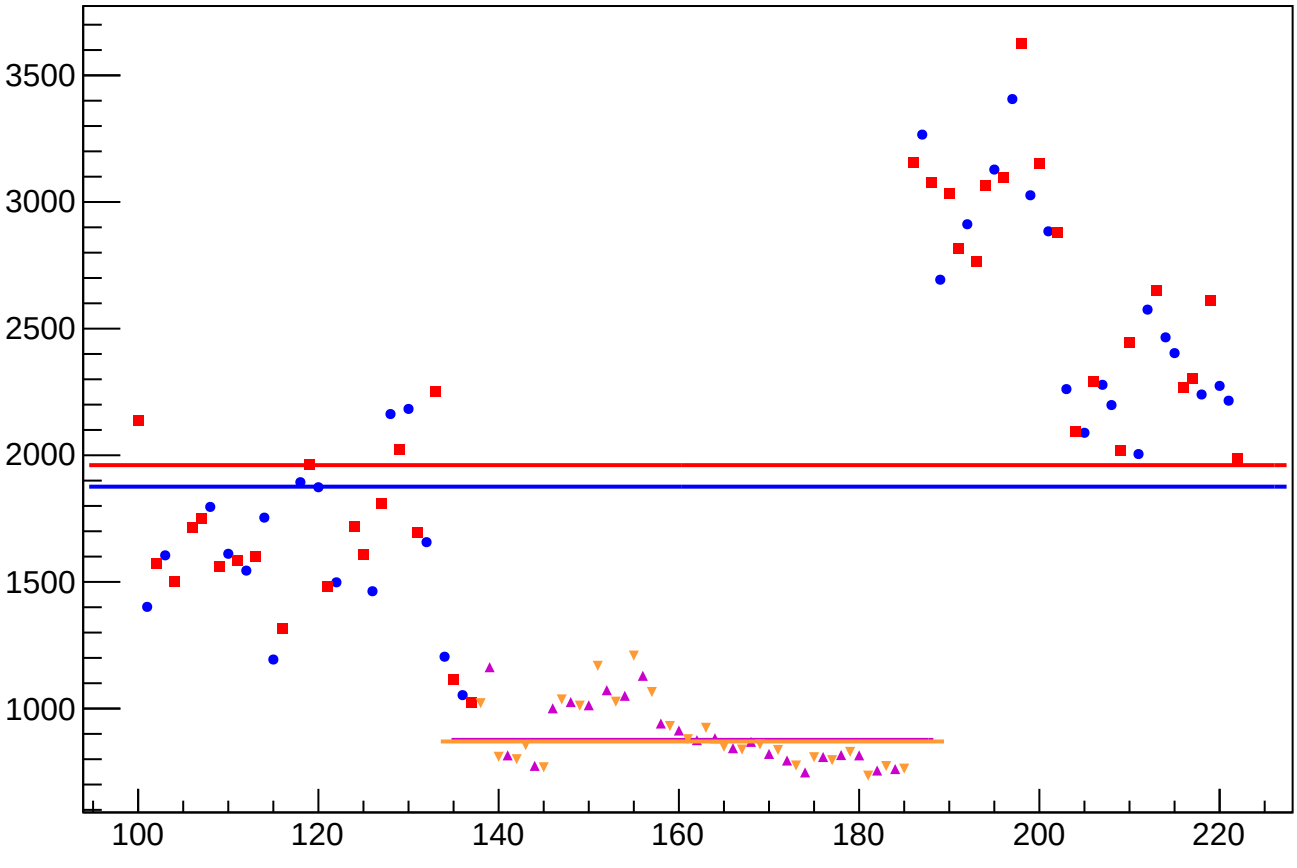
Right: 112.351+/-0.012 χ^2/NDF: 2437429.1/71

In: 99.607+/-0.011 χ^2/NDF:2348188.4/56

Out: 100.675+/-0.011 χ^2/NDF:3191811.1/62

All: 100.142+/-0.008 χ^2/NDF: 5544462.9/119


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2034.176+/-419.942 χ²/NDF: 50.5/33
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1872.495+/-434.536 χ²/NDF: 41.4/37
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -147.544+/-301.971 χ²/NDF: 133.7/71
In: -344.140+/-185.436 χ²/NDF:101.3/56
Out: -335.488+/-181.568 χ²/NDF:131.0/62
All: -339.723+/-129.734 χ²/NDF: 232.4/119



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: 1961.023+/-0.307 χ^2/NDF: 3862152.7/37

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

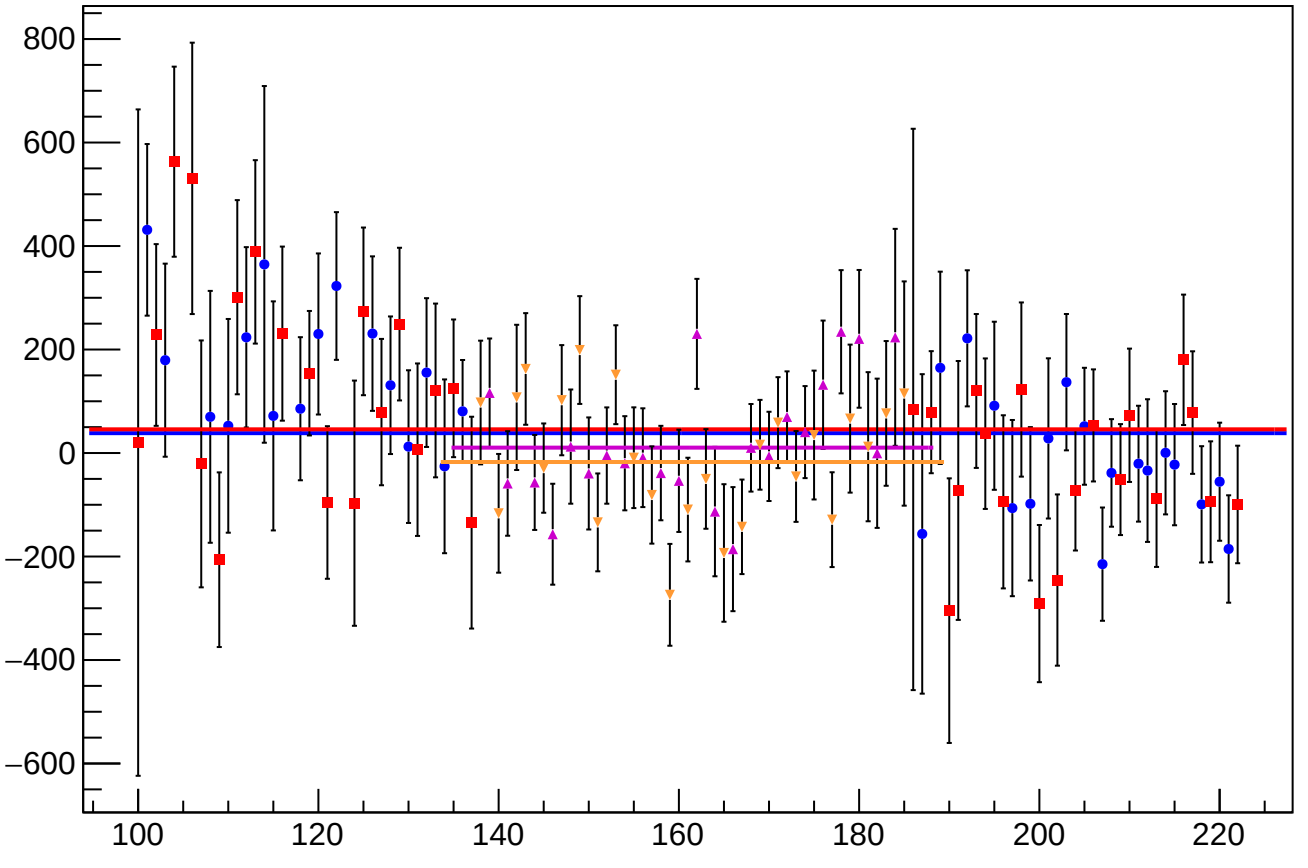
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1917.117+/-0.214 χ^2/NDF: 7825171.6/71

In: 1071.230+/-0.131 χ^2/NDF:13647403.5/56

Out: 1060.493+/-0.128 χ^2/NDF:14915994.8/62

All: 1065.748+/-0.092 χ^2/NDF: 28566821.4/1



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: 45.799+/-24.661 χ^2/NDF: 47.5/37

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

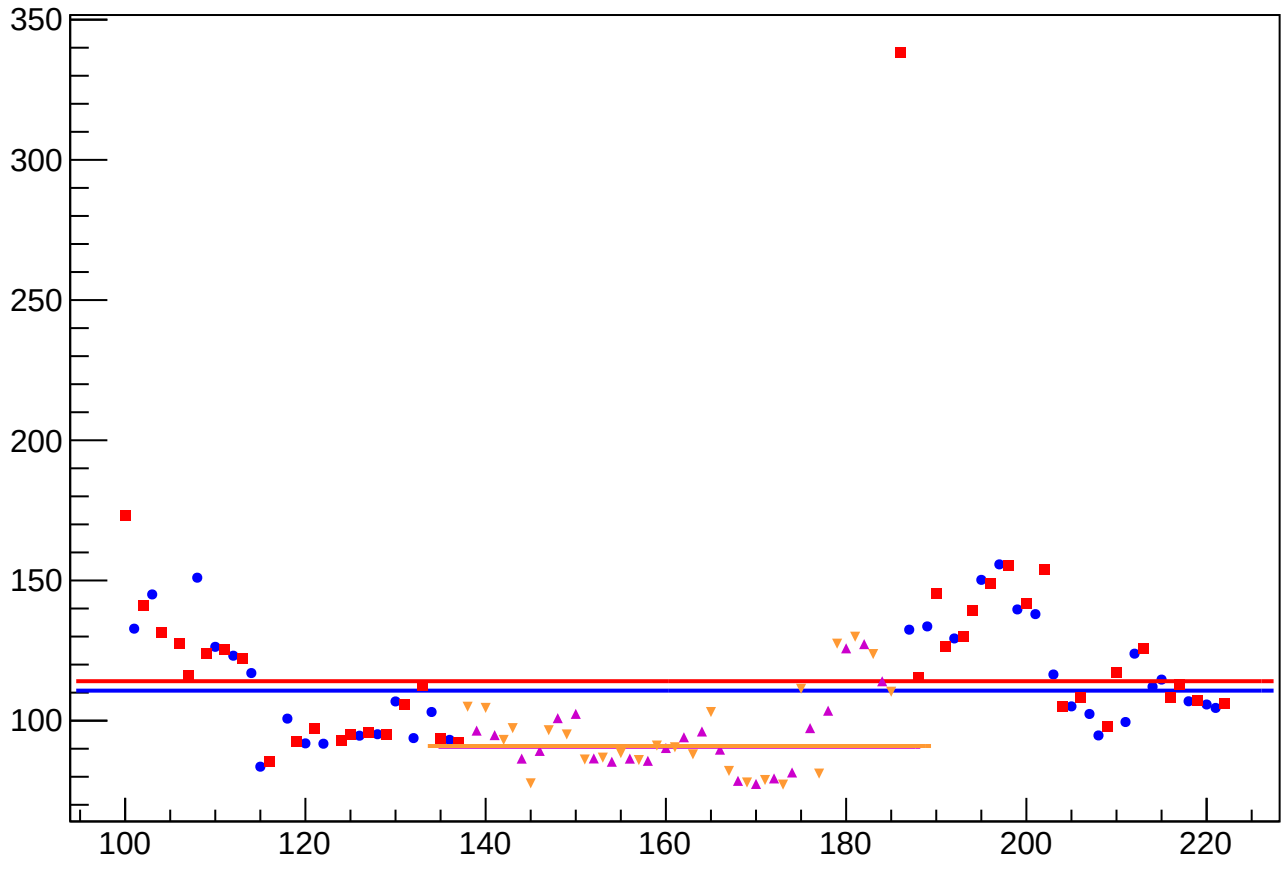
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 41.981+/-17.199 χ^2/NDF: 83.3/71

In: 22.860+/-16.015 χ^2/NDF:59.1/56

Out: 9.170+/-15.983 χ^2/NDF:82.5/62

All: 16.001+/-11.313 χ^2/NDF: 142.0/119



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: 114.081+/-0.017 χ^2/NDF: 1388278.1/37

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

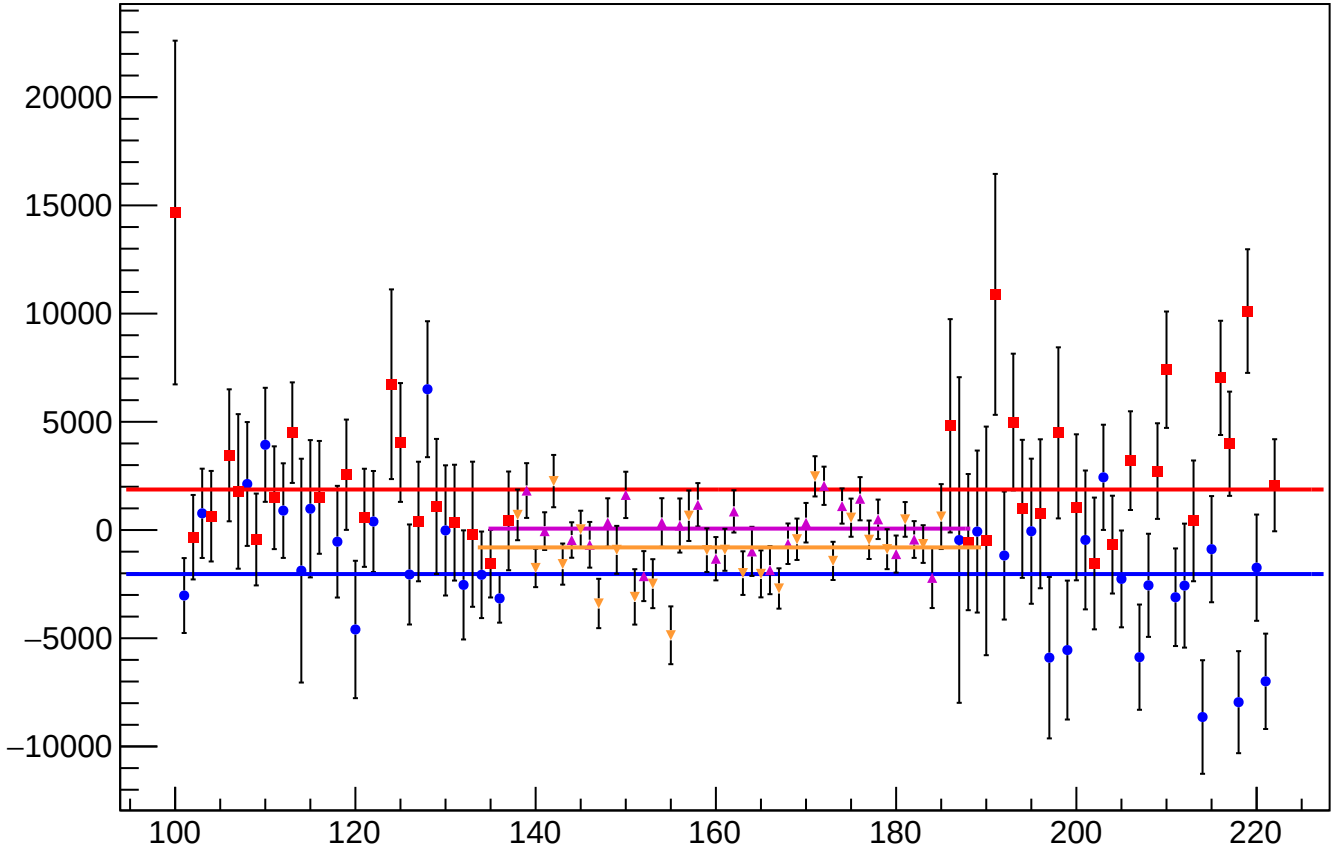
Right: 112.351+/-0.012 χ^2/NDF: 2437466.2/71

In: 99.606+/-0.011 χ^2/NDF:2348157.2/56

Out: 100.675+/-0.011 χ^2/NDF:3191794.8/62

All: 100.142+/-0.008 χ^2/NDF: 5544416.7/119

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2034.171+/-419.941 χ^2/NDF: 50.5/33

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1872.492+/-434.535 χ^2/NDF: 41.4/37

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

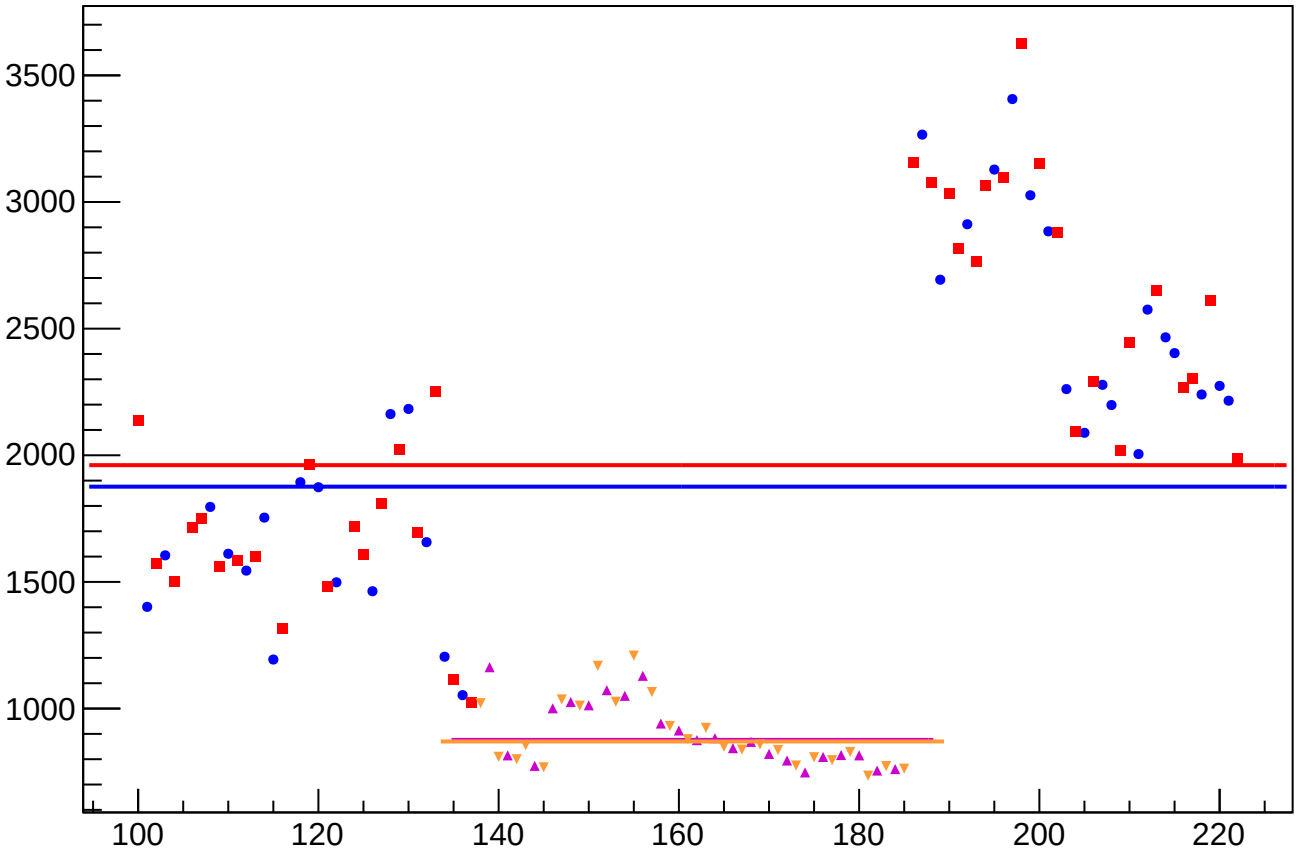
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -147.543+/-301.971 χ^2/NDF: 133.7/71

In: -344.139+/-185.436 χ^2/NDF:101.3/56

Out: -335.488+/-181.568 χ^2/NDF:131.0/62

All: -339.722+/-129.734 χ^2/NDF: 232.4/119



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: 1961.020+/-0.307 χ^2/NDF: 3862167.0/37

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

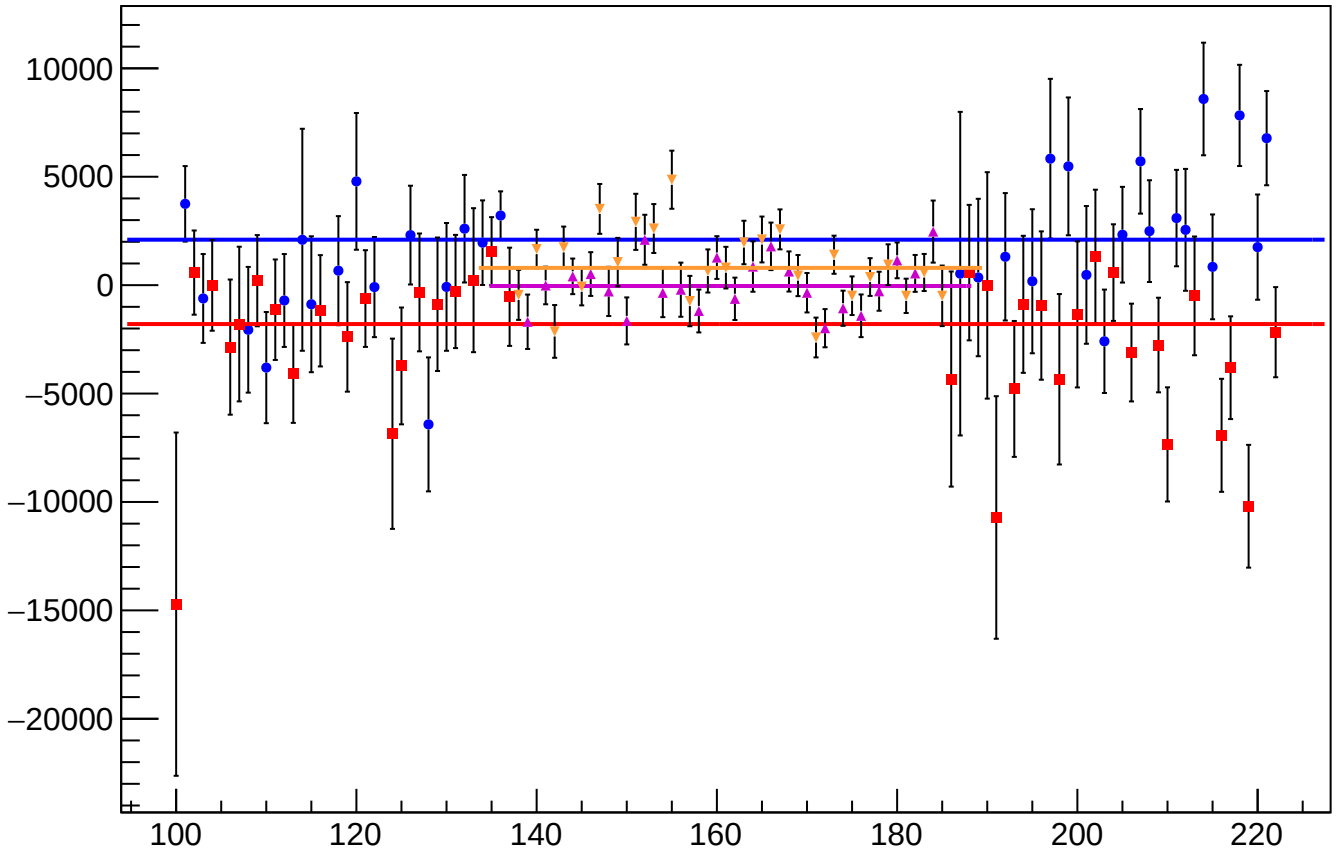
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1917.114+/-0.214 χ^2/NDF: 7825195.4/71

In: 1071.229+/-0.131 χ^2/NDF:13647402.8/56

Out: 1060.492+/-0.128 χ^2/NDF:14915996.2/62

All: 1065.747+/-0.092 χ^2/NDF: 28566822.0/



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: -1794.632+/-430.386 χ^2/NDF: 41.0/37

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

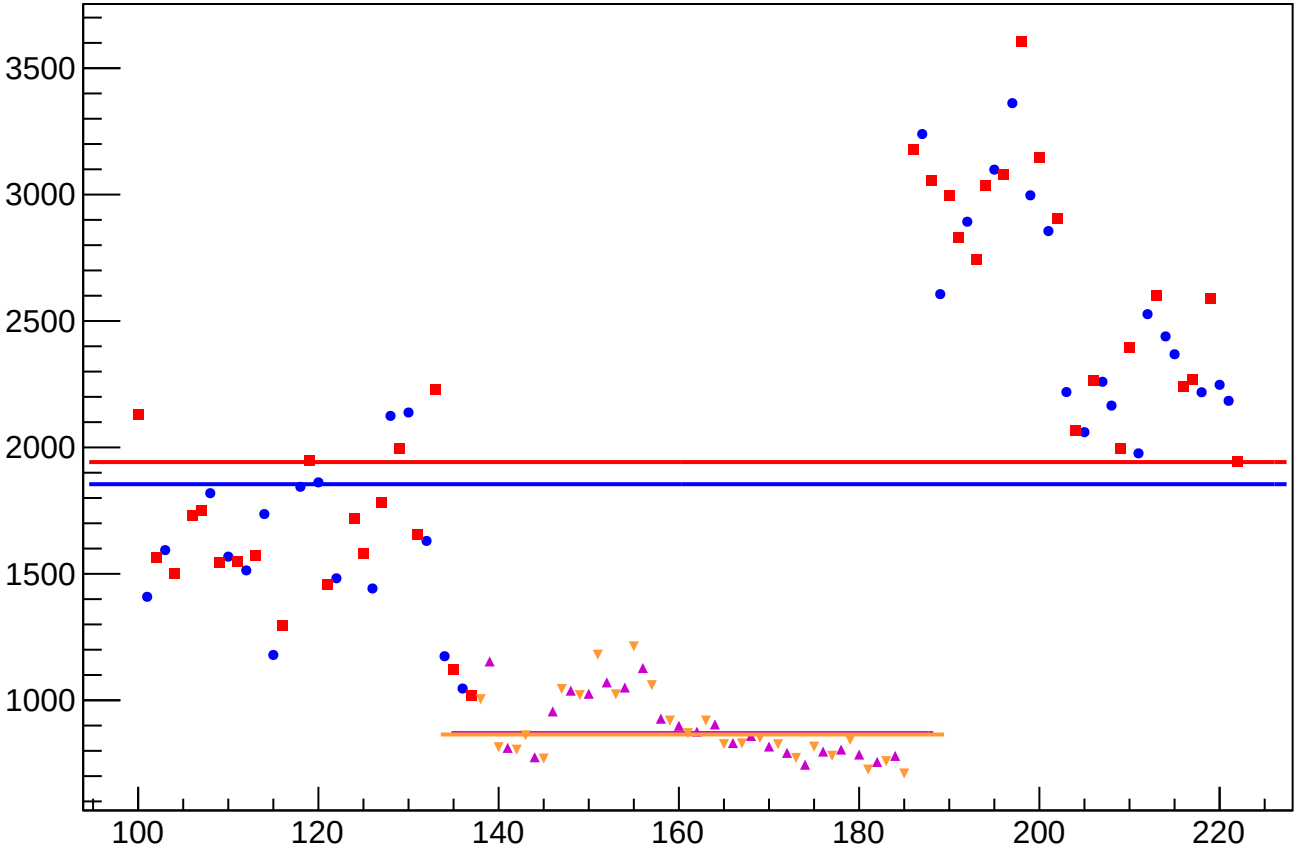
Right: 221.835+/-298.755 χ^2/NDF: 133.8/71

In: 380.471+/-184.053 χ^2/NDF:101.5/56

Out: 340.683+/-180.478 χ^2/NDF:128.0/62

All: 360.187+/-128.863 χ^2/NDF: 229.5/119

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: 1942.067+/-0.304 χ^2/NDF: 3854609.3/37

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

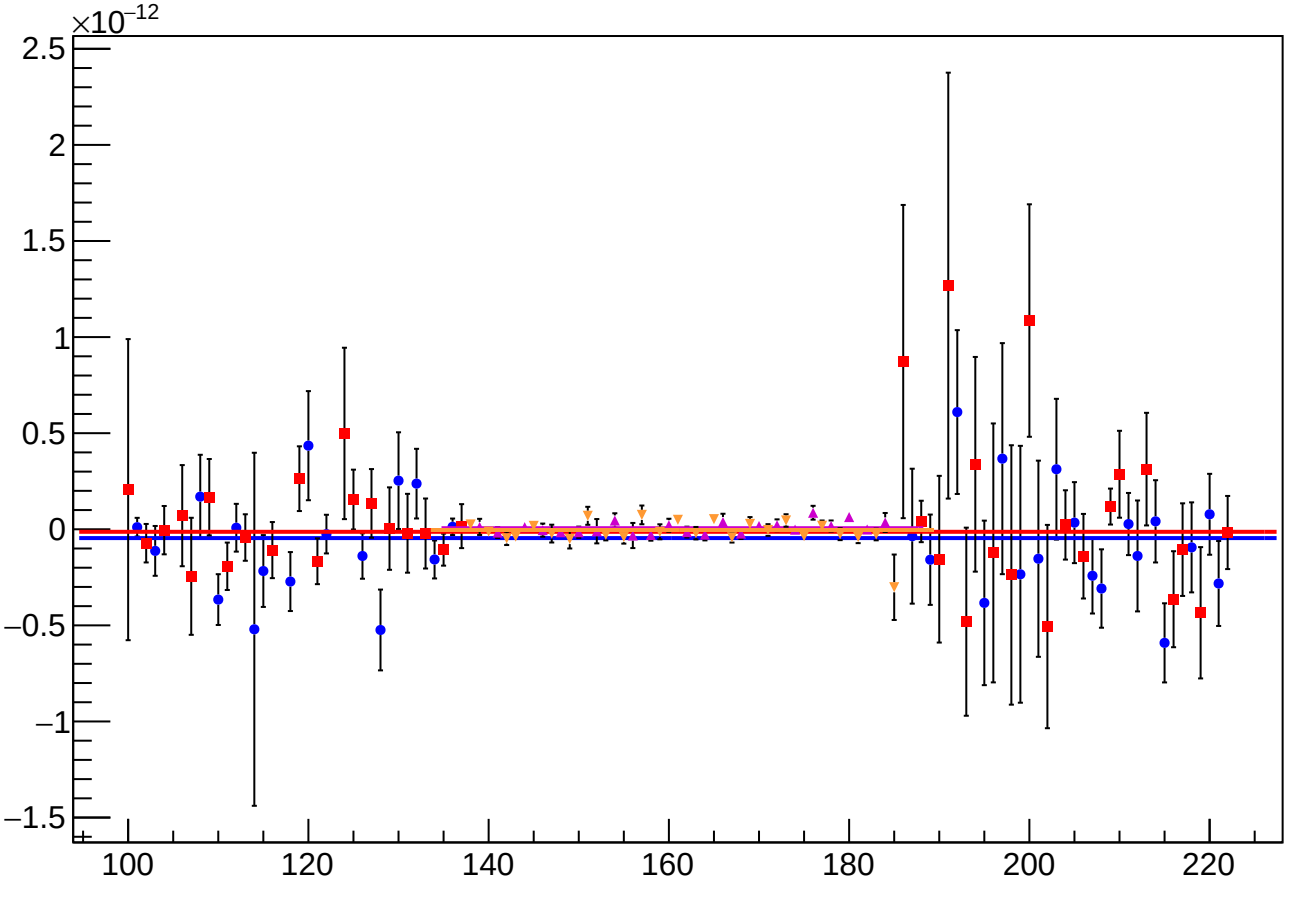
Right: 1896.743+/-0.211 χ^2/NDF: 7783895.4/71

In: 1063.906+/-0.130 χ^2/NDF:13526696.2/56

Out: 1054.099+/-0.128 χ^2/NDF:14873551.7/62

All: 1058.906+/-0.091 χ^2/NDF: 28403142.7/1

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: 30.8/37

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

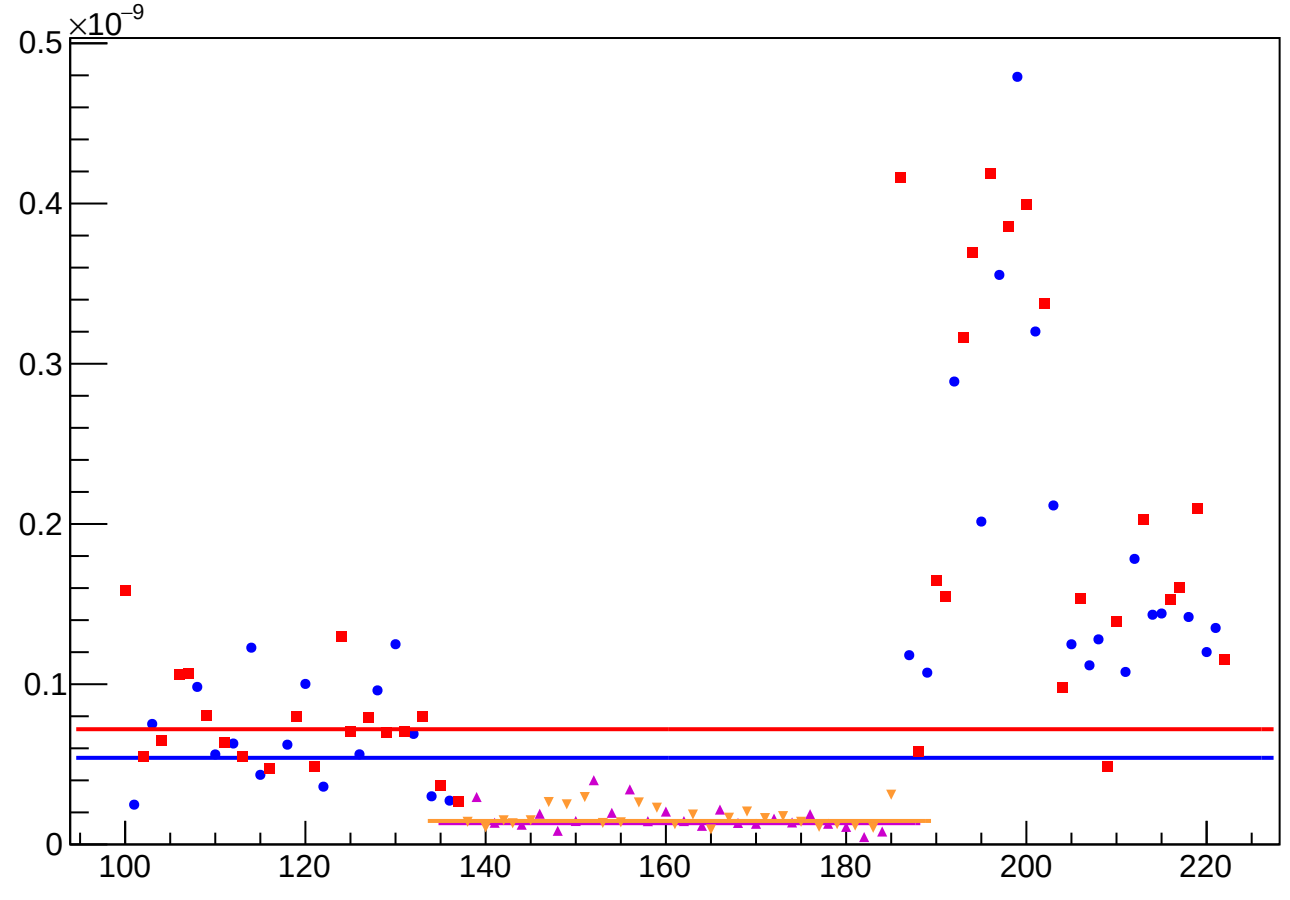
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 75.9/71

In: 0.000+/-0.000 χ^2/NDF:69.5/56

Out: -0.000+/-0.000 χ^2/NDF:69.7/62

All: -0.000+/-0.000 χ^2/NDF: 139.8/119



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: 6588624.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

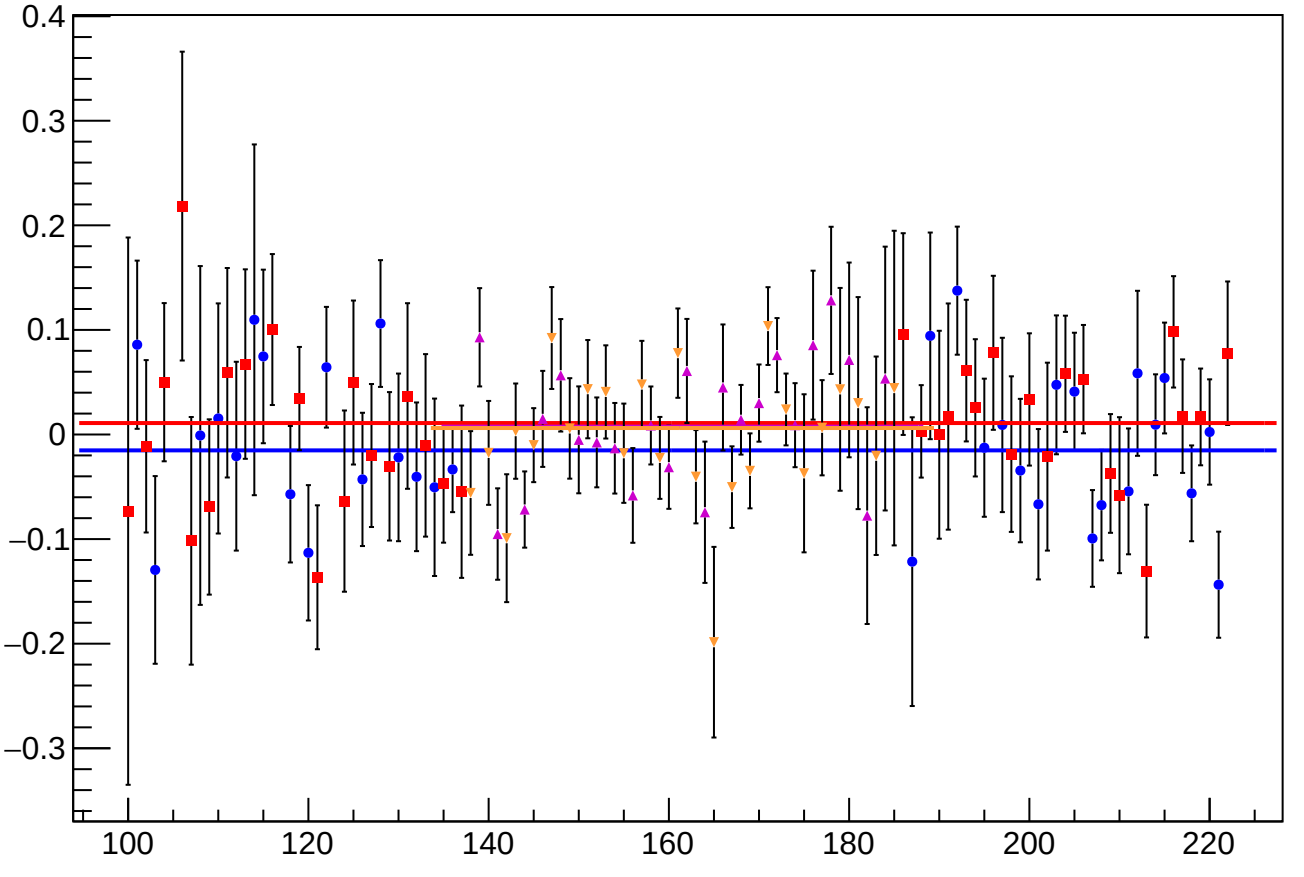
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15191939.5/71

In: 0.000+/-0.000 χ^2/NDF:15945442.8/56

Out: 0.000+/-0.000 χ^2/NDF:15530494.2/62

All: 0.000+/-0.000 χ^2/NDF: 31524399.5/119



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: 0.011+/-0.011 χ^2/NDF: 28.8/37

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

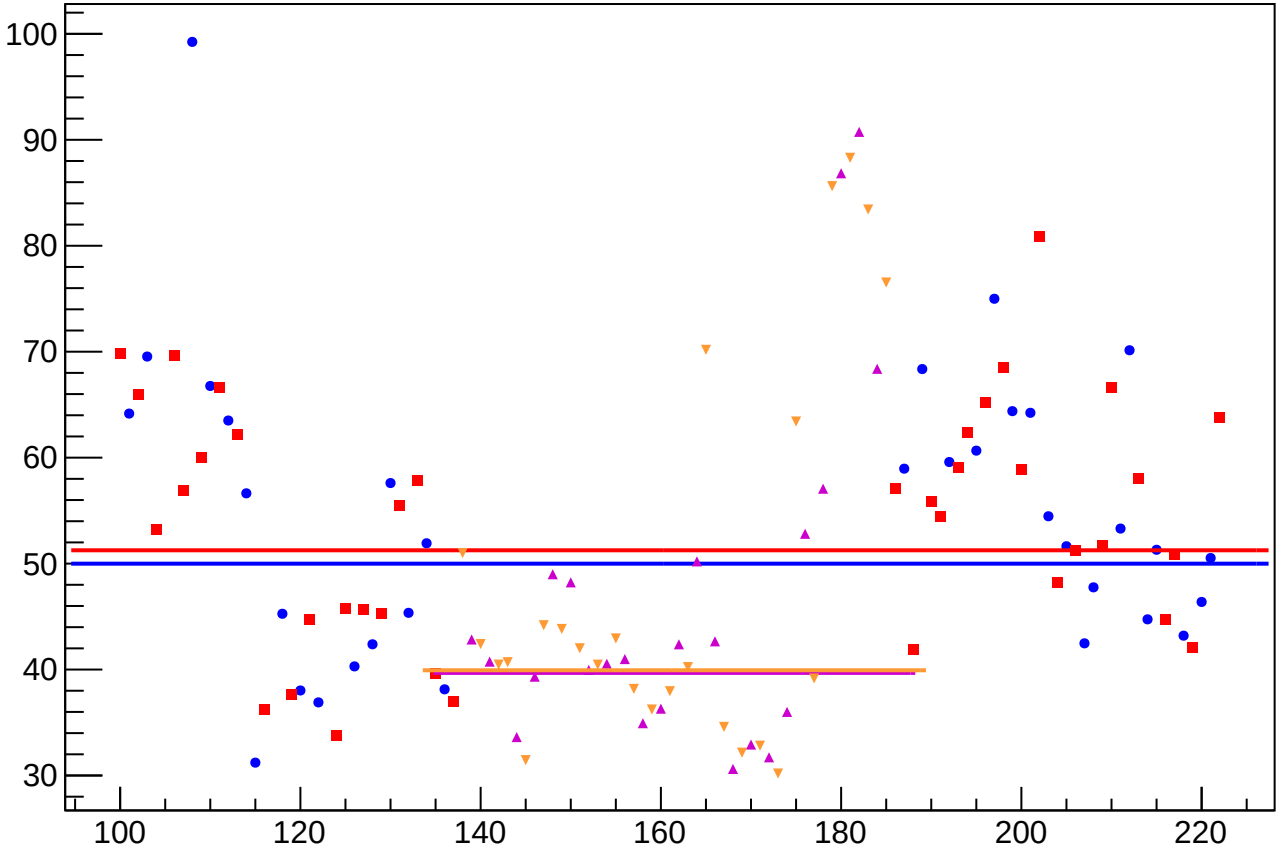
Right: -0.002+/-0.008 χ^2/NDF: 71.4/71

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.008+/-0.007 χ^2/NDF:59.7/62

All: 0.003+/-0.005 χ^2/NDF: 133.4/119

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.256+/-0.008 χ^2/NDF: 1644687.8/37

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

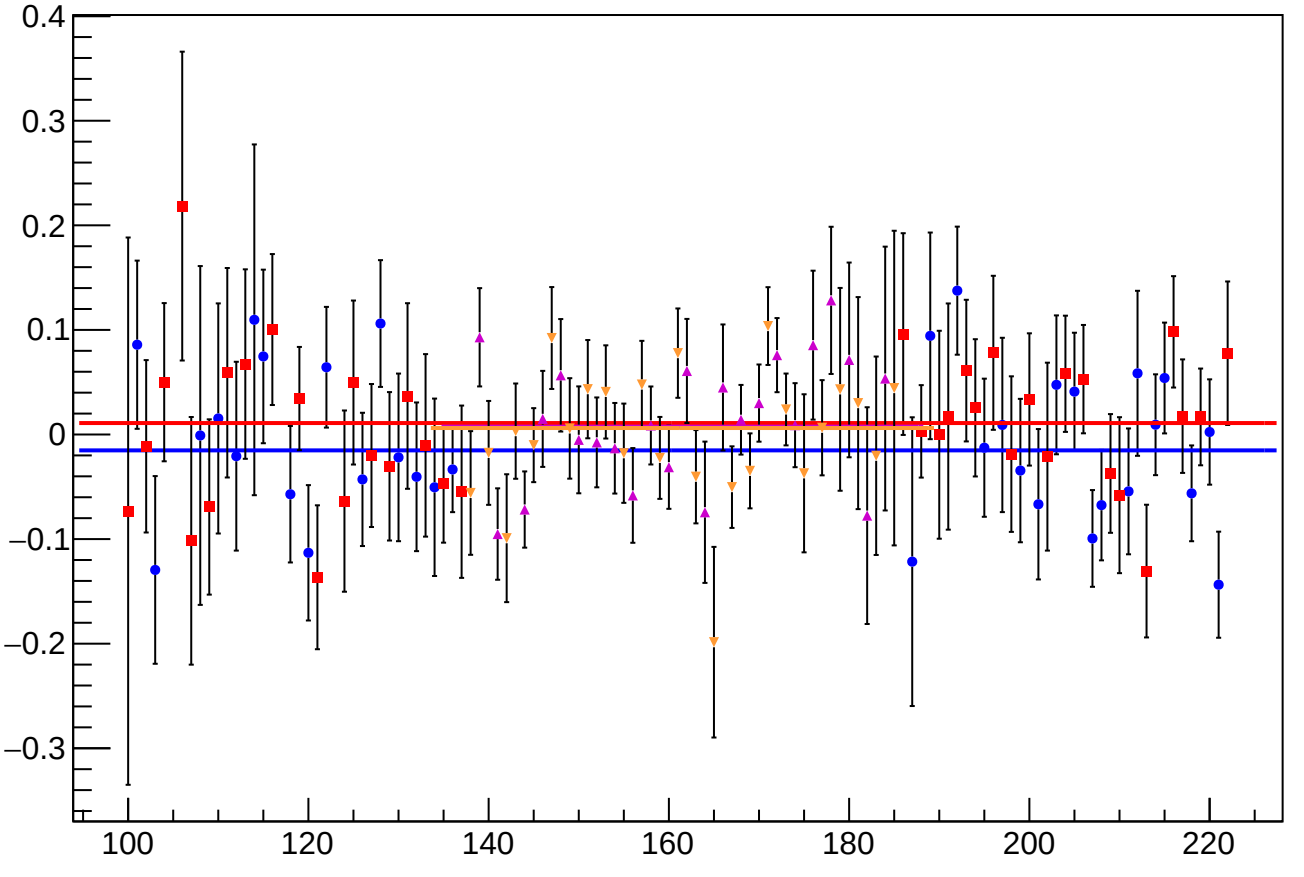
Right: 50.613+/-0.006 χ^2/NDF: 3461111.2/71

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.671+/-0.005 χ^2/NDF:5292363.9/62

All: 44.434+/-0.004 χ^2/NDF: 9989091.6/119

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.011+/-0.011 χ^2/NDF: 28.8/37

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

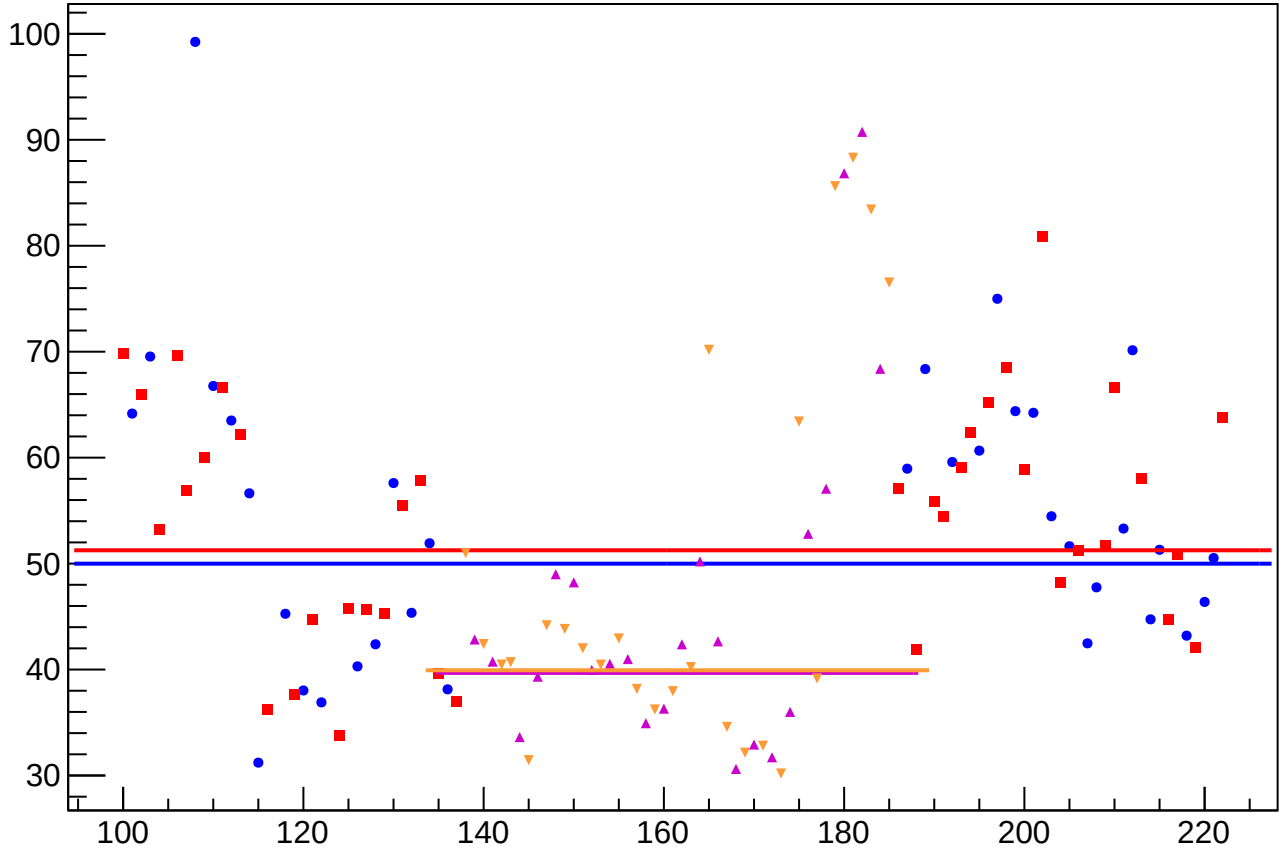
Right: -0.002+/-0.008 χ^2/NDF: 71.4/71

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.008+/-0.007 χ^2/NDF:59.7/62

All: 0.003+/-0.005 χ^2/NDF: 133.4/119

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.256+/-0.008 χ^2/NDF: 1644687.8/37

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

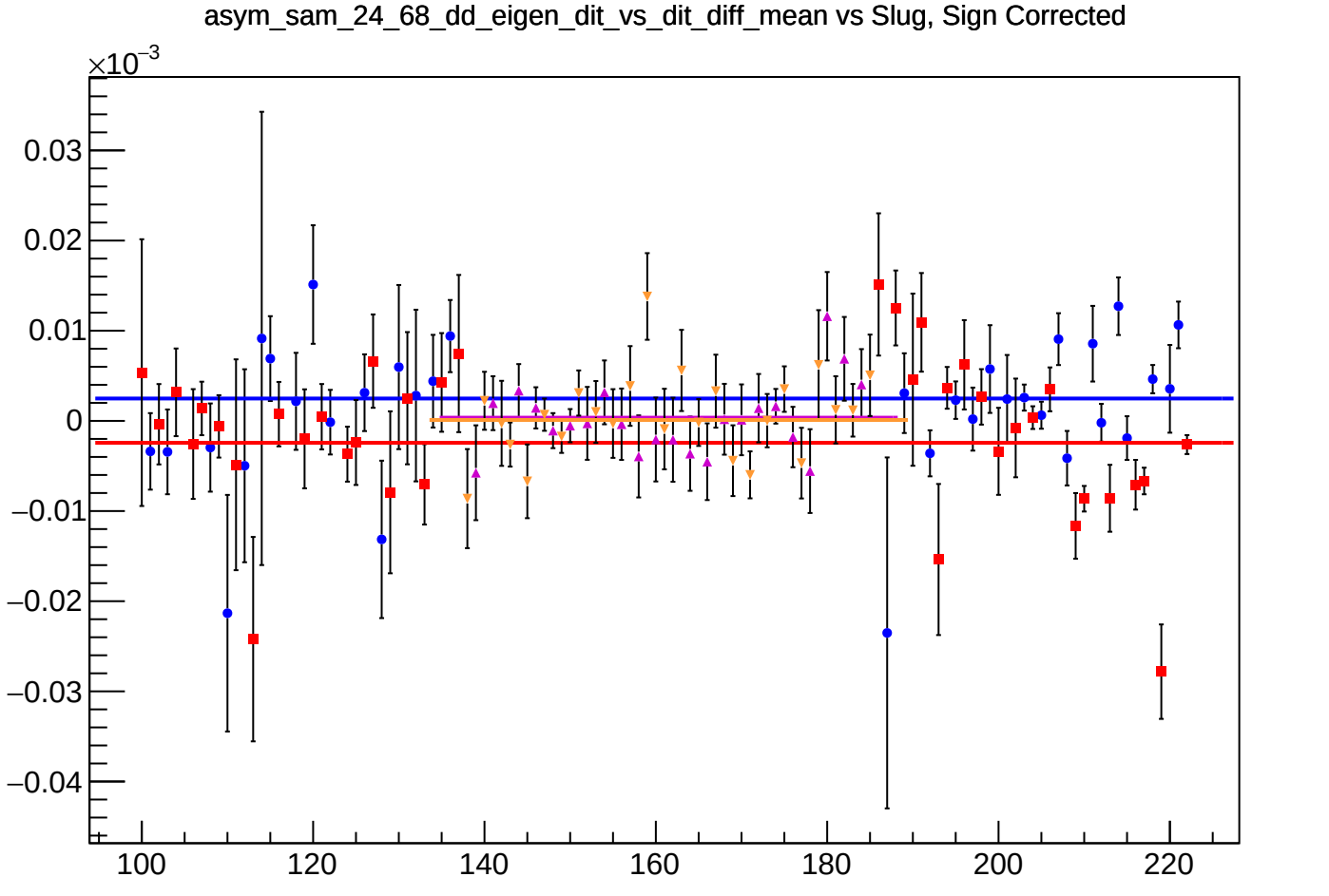
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.613+/-0.006 χ^2/NDF: 3461111.2/71

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.671+/-0.005 χ^2/NDF:5292363.9/62

All: 44.434+/-0.004 χ^2/NDF: 9989091.6/119



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: 130.2/37

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

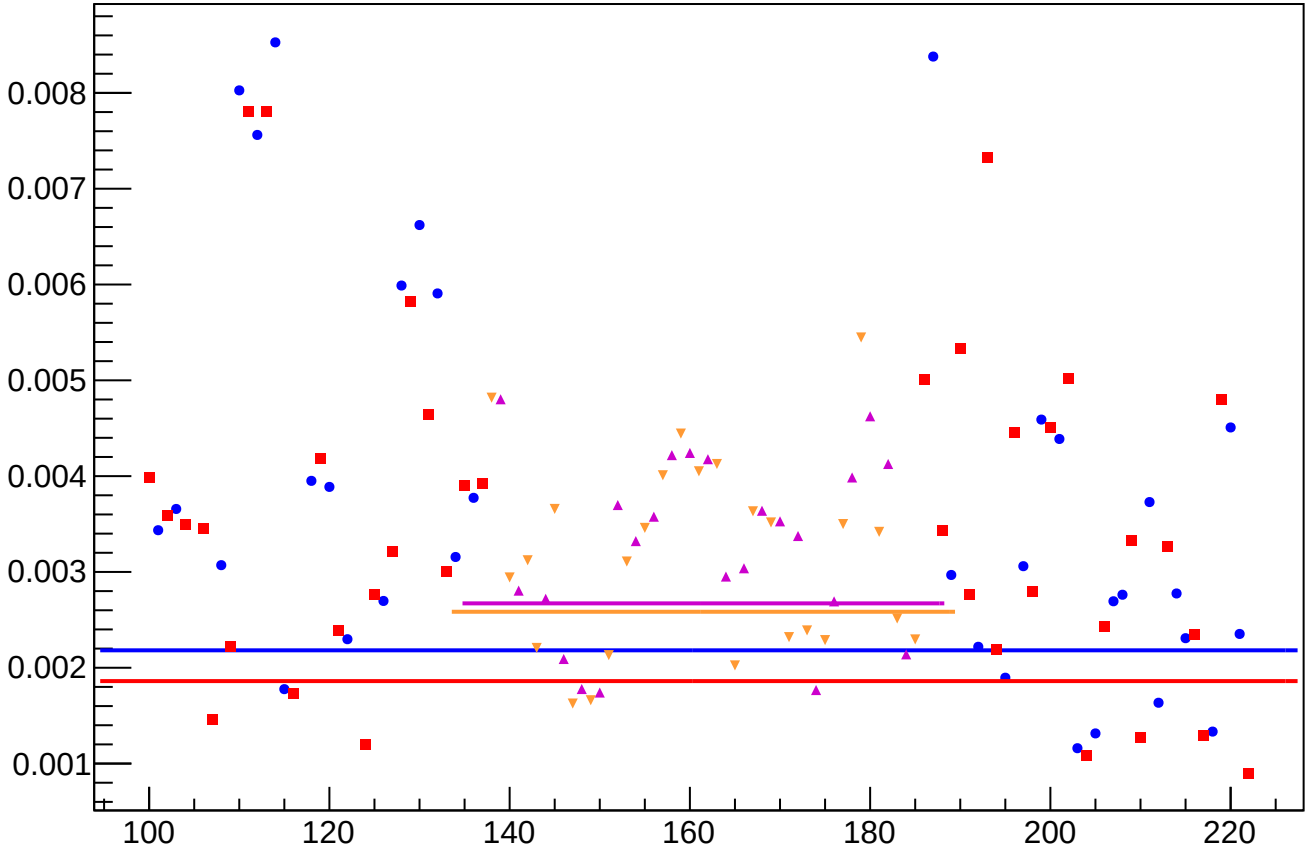
Right: -0.000+/-0.000 χ^2/NDF: 245.9/71

In: 0.000+/-0.000 χ^2/NDF:94.2/56

Out: -0.000+/-0.000 χ^2/NDF:173.7/62

All: -0.000+/-0.000 χ^2/NDF: 298.6/119

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 12062465.9/37

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

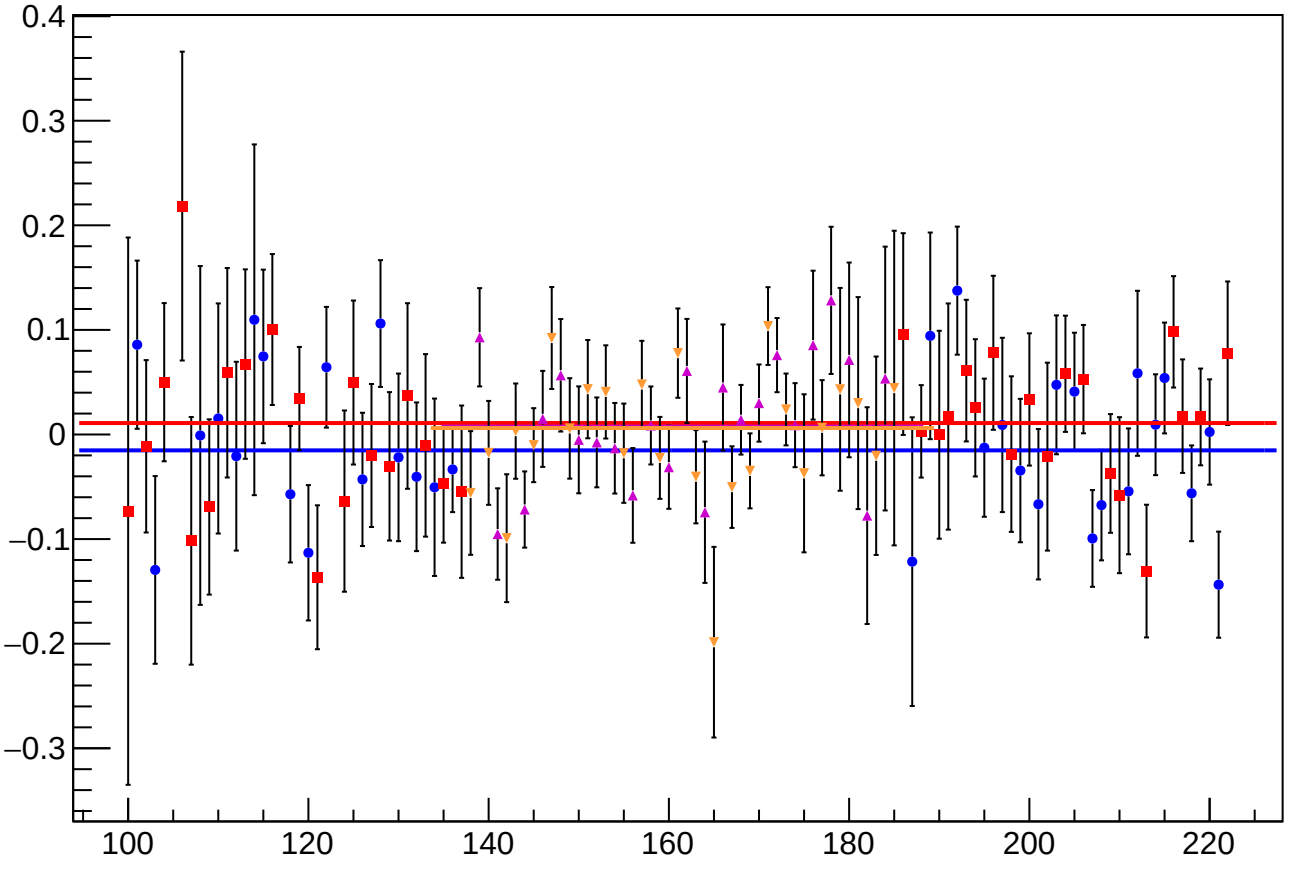
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 20537662.3/71

In: 0.002+/-0.000 χ^2/NDF:12554360.4/56

Out: 0.002+/-0.000 χ^2/NDF:17639295.3/62

All: 0.002+/-0.000 χ^2/NDF: 30573995.6/119



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: 0.011+/-0.011 χ^2/NDF: 28.8/37

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

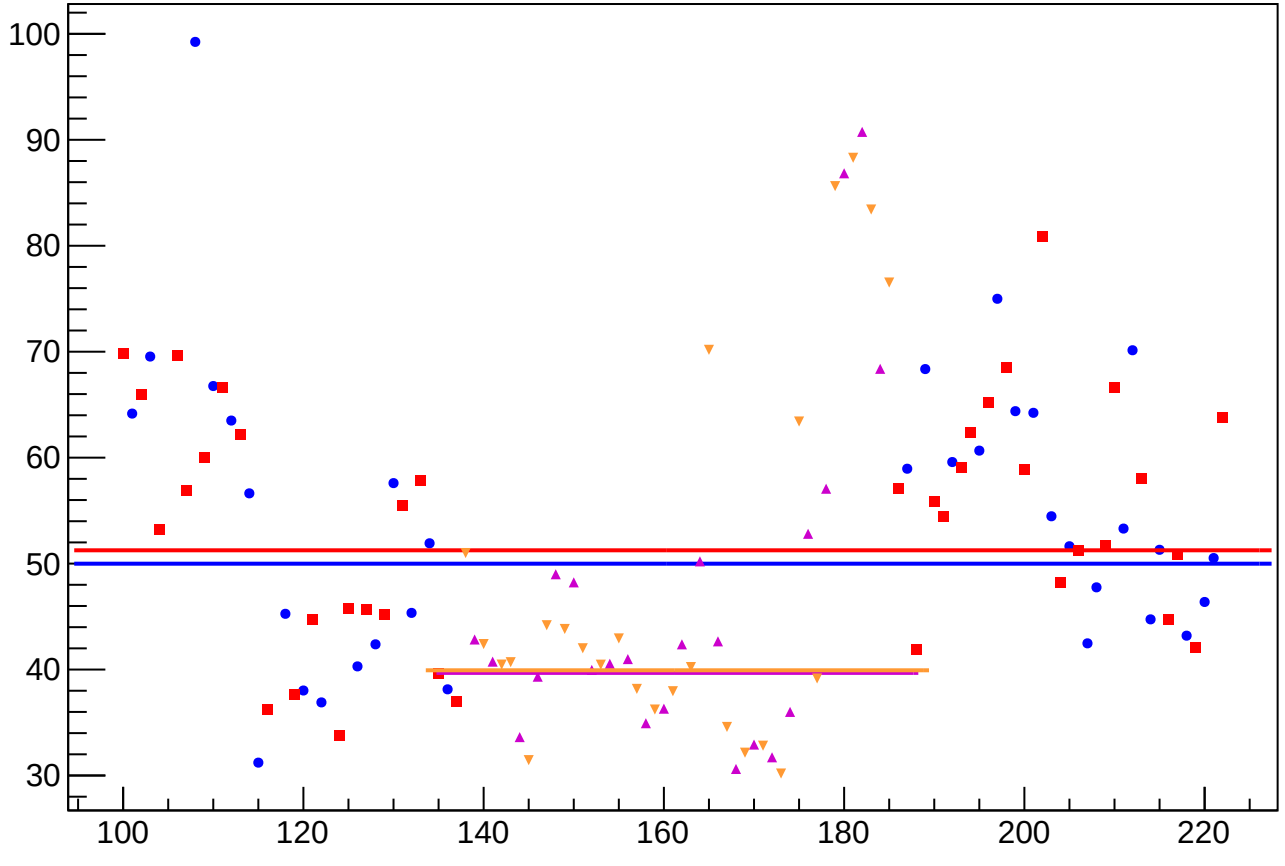
Right: -0.002+/-0.008 χ^2/NDF: 71.4/71

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.008+/-0.007 χ^2/NDF:59.7/62

All: 0.003+/-0.005 χ^2/NDF: 133.4/119

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.255+/-0.008 χ^2/NDF: 1644758.0/37

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

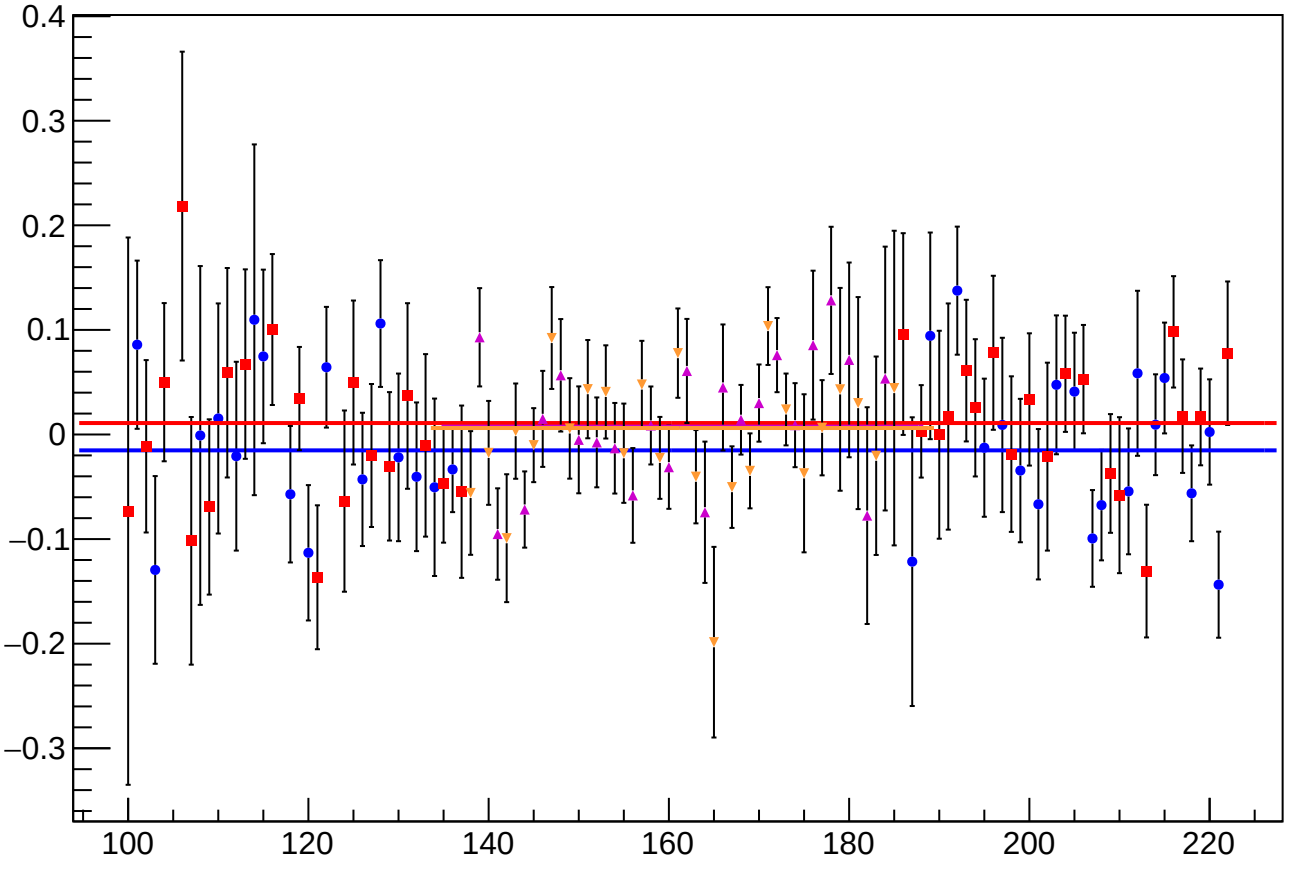
Right: 50.612+/-0.006 χ^2/NDF: 3461277.2/71

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.671+/-0.005 χ^2/NDF:5292315.8/62

All: 44.434+/-0.004 χ^2/NDF: 9989001.5/119

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: 0.011+/-0.011 χ^2/NDF: 28.8/37

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

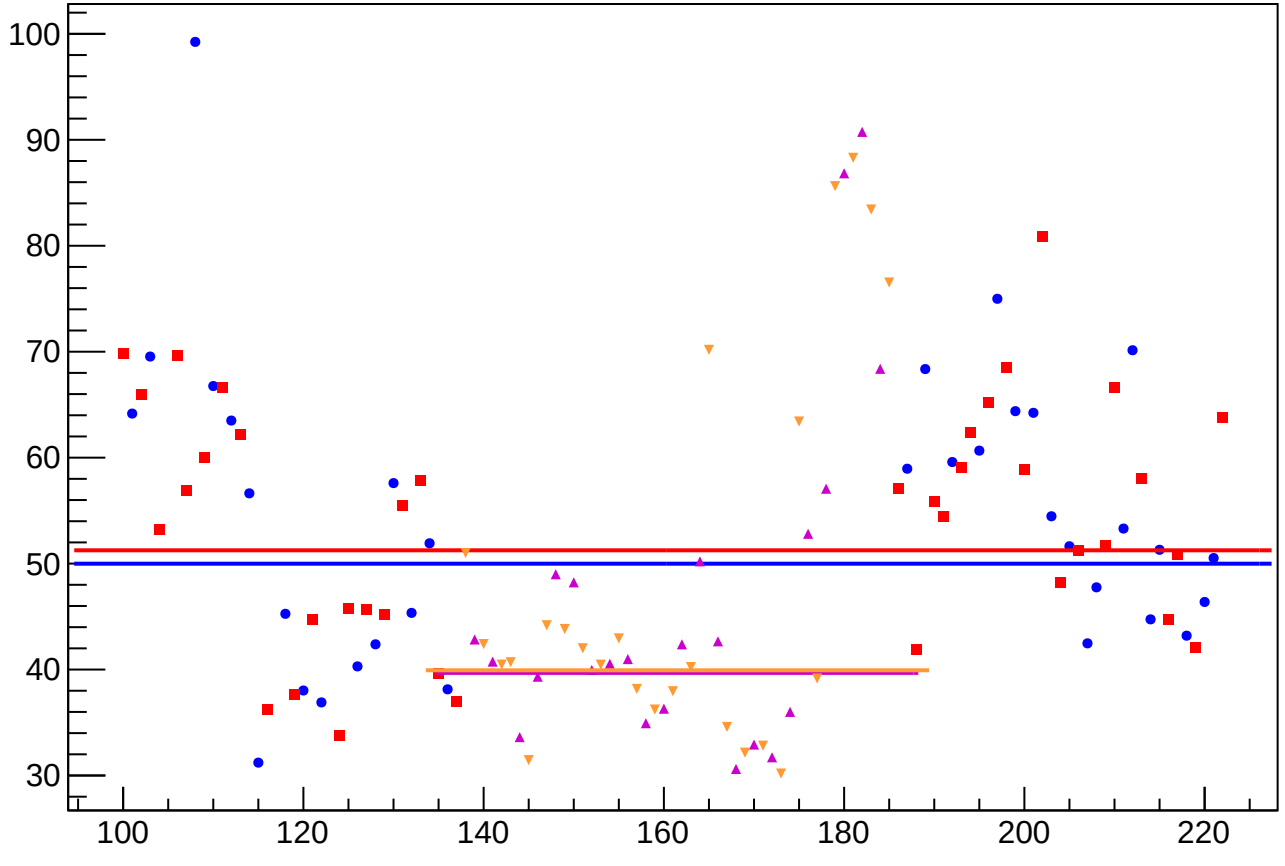
Right: -0.002+/-0.008 χ^2/NDF: 71.4/71

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.008+/-0.007 χ^2/NDF:59.7/62

All: 0.003+/-0.005 χ^2/NDF: 133.4/119

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.255+/-0.008 χ^2/NDF: 1644758.0/37

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

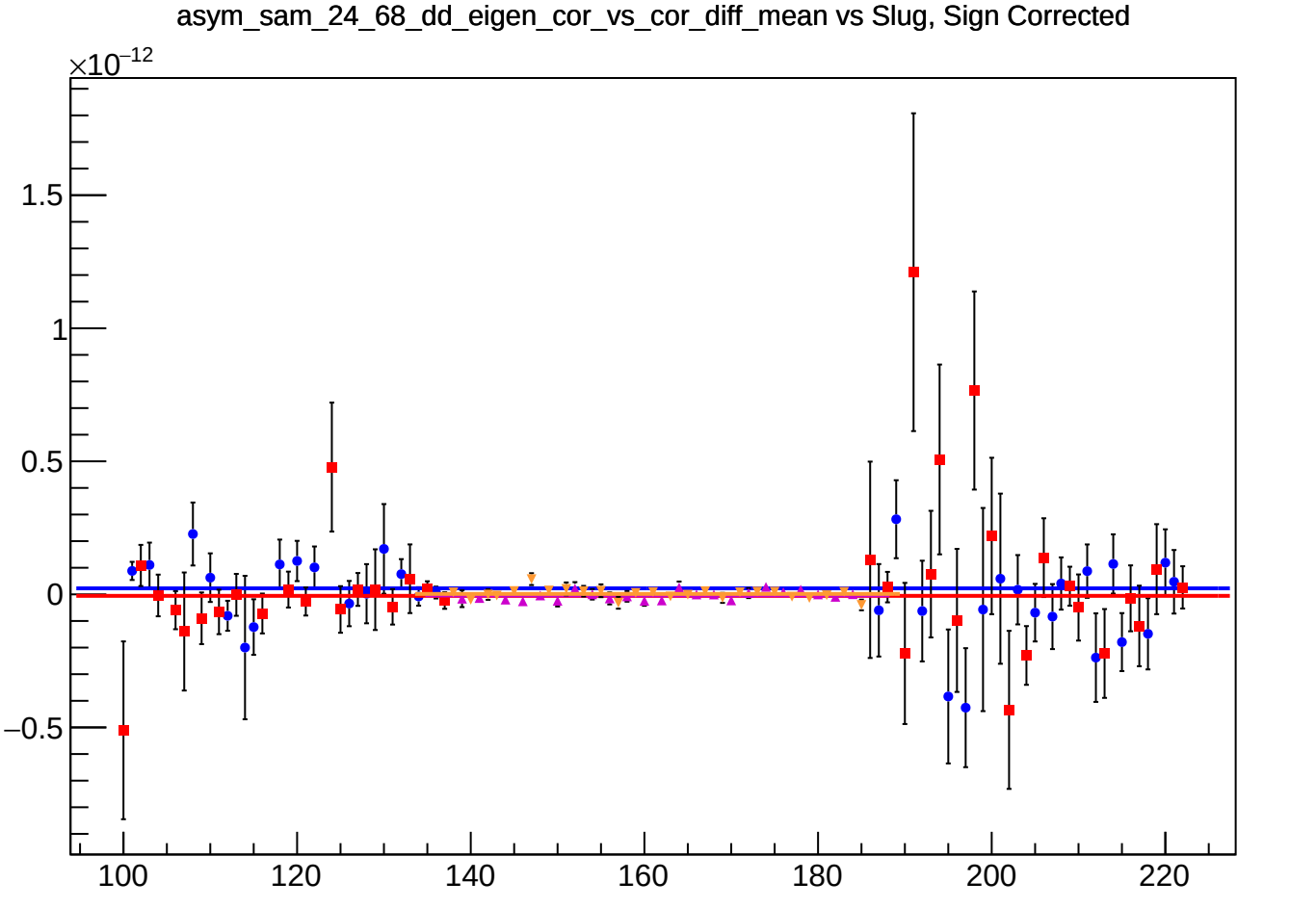
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.612+/-0.006 χ^2/NDF: 3461277.2/71

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.671+/-0.005 χ^2/NDF:5292315.8/62

All: 44.434+/-0.004 χ^2/NDF: 9989001.5/119



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/37

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

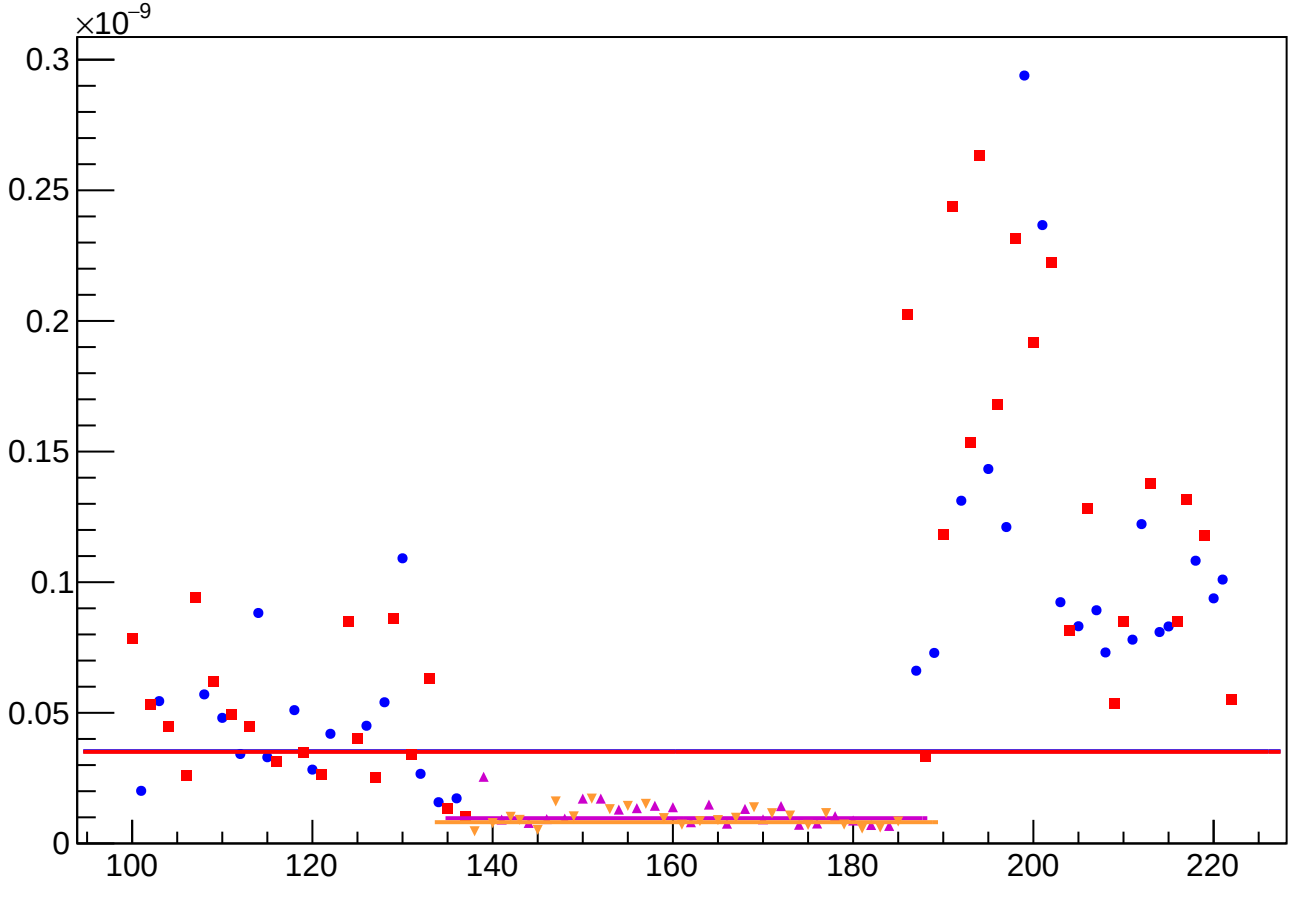
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 81.6/71

In: -0.000+/-0.000 χ^2/NDF:73.9/56

Out: 0.000+/-0.000 χ^2/NDF:65.3/62

All: -0.000+/-0.000 χ^2/NDF: 140.2/119



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: 12325552.8/37

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

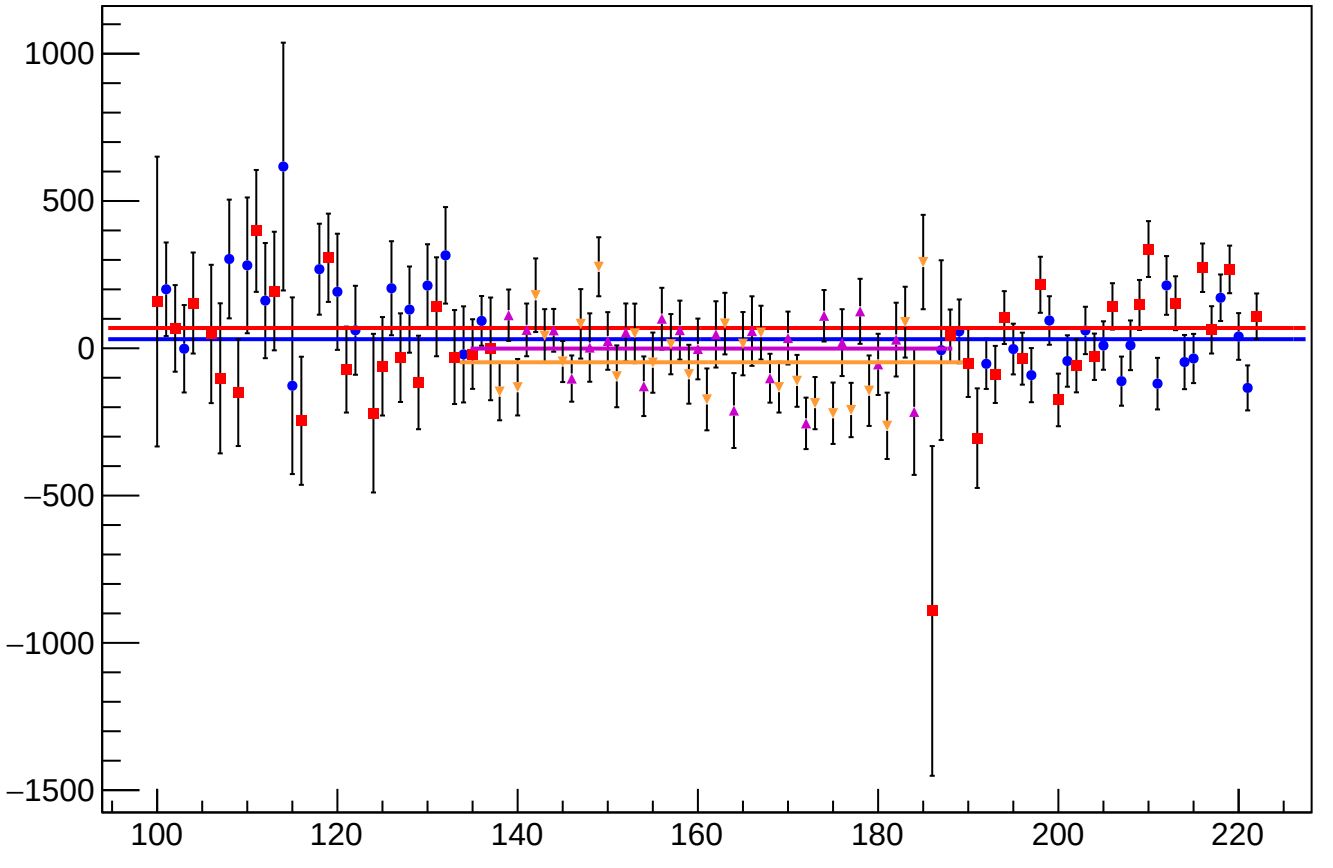
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 23359445.5/71

In: 0.000+/-0.000 χ^2/NDF:21123874.4/56

Out: 0.000+/-0.000 χ^2/NDF:23012576.7/62

All: 0.000+/-0.000 χ^2/NDF: 44630771.7/119



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: 68.826+/-18.584 χ^2/NDF: 65.3/37

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

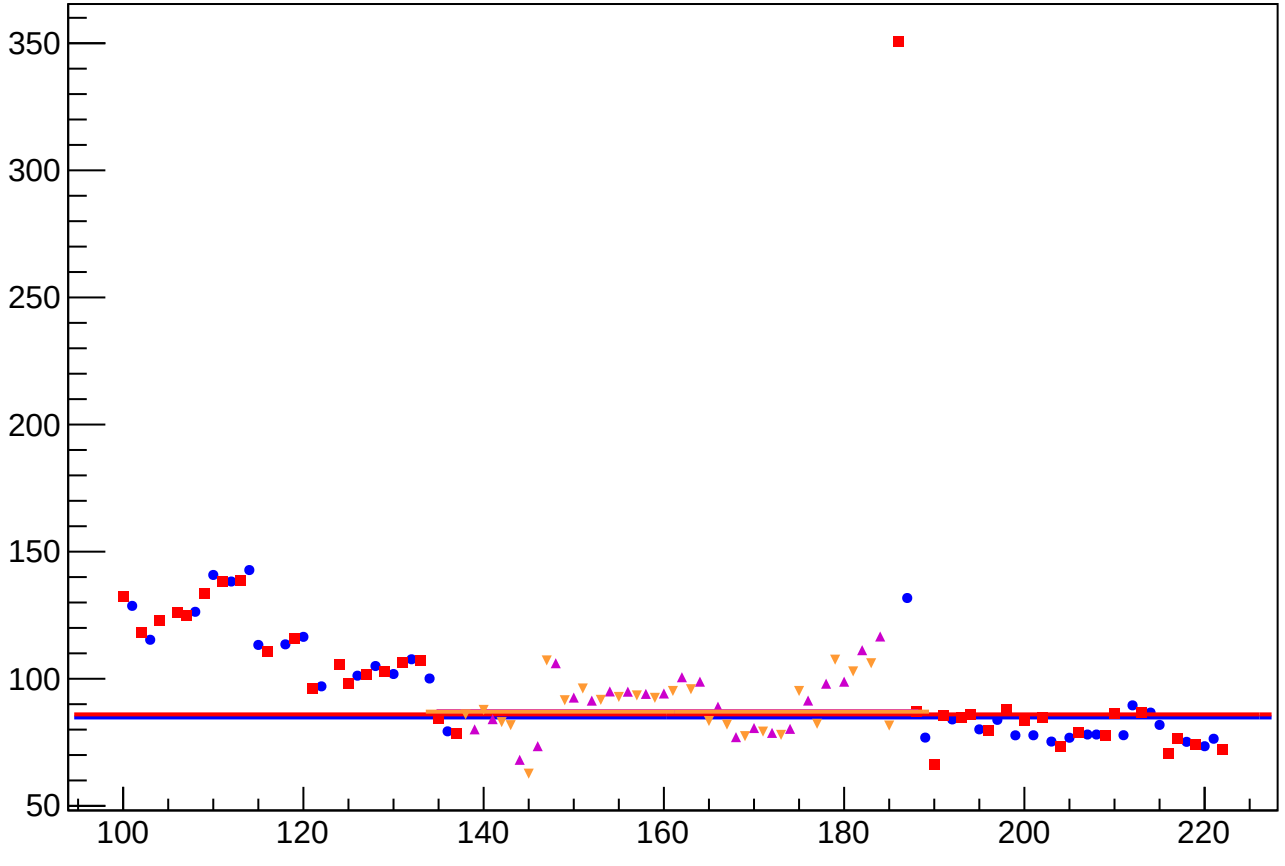
Right: 49.617+/-13.057 χ^2/NDF: 107.2/71

In: 16.792+/-13.703 χ^2/NDF:66.7/56

Out: 14.866+/-13.609 χ^2/NDF:127.4/62

All: 15.822+/-9.656 χ^2/NDF: 194.1/119

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: 85.986+/-0.013 χ^2/NDF: 1778257.4/37

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

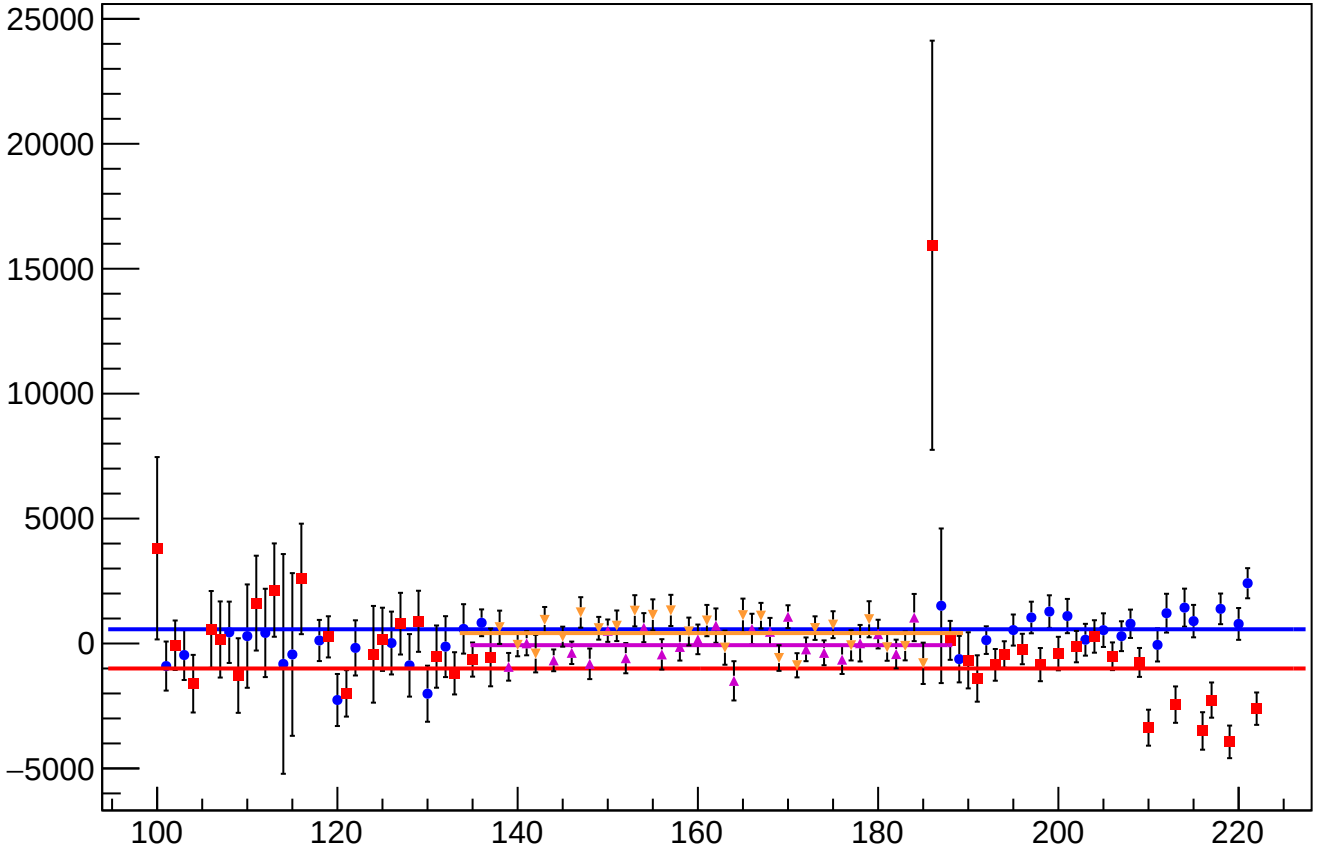
Right: 85.375+/-0.009 χ^2/NDF: 2996640.7/71

In: 85.876+/-0.010 χ^2/NDF:1826027.7/56

Out: 86.489+/-0.010 χ^2/NDF:2402052.1/62

All: 86.185+/-0.007 χ^2/NDF: 4230099.9/119

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: -999.992+/-136.054 χ^2/NDF: 94.1/37

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

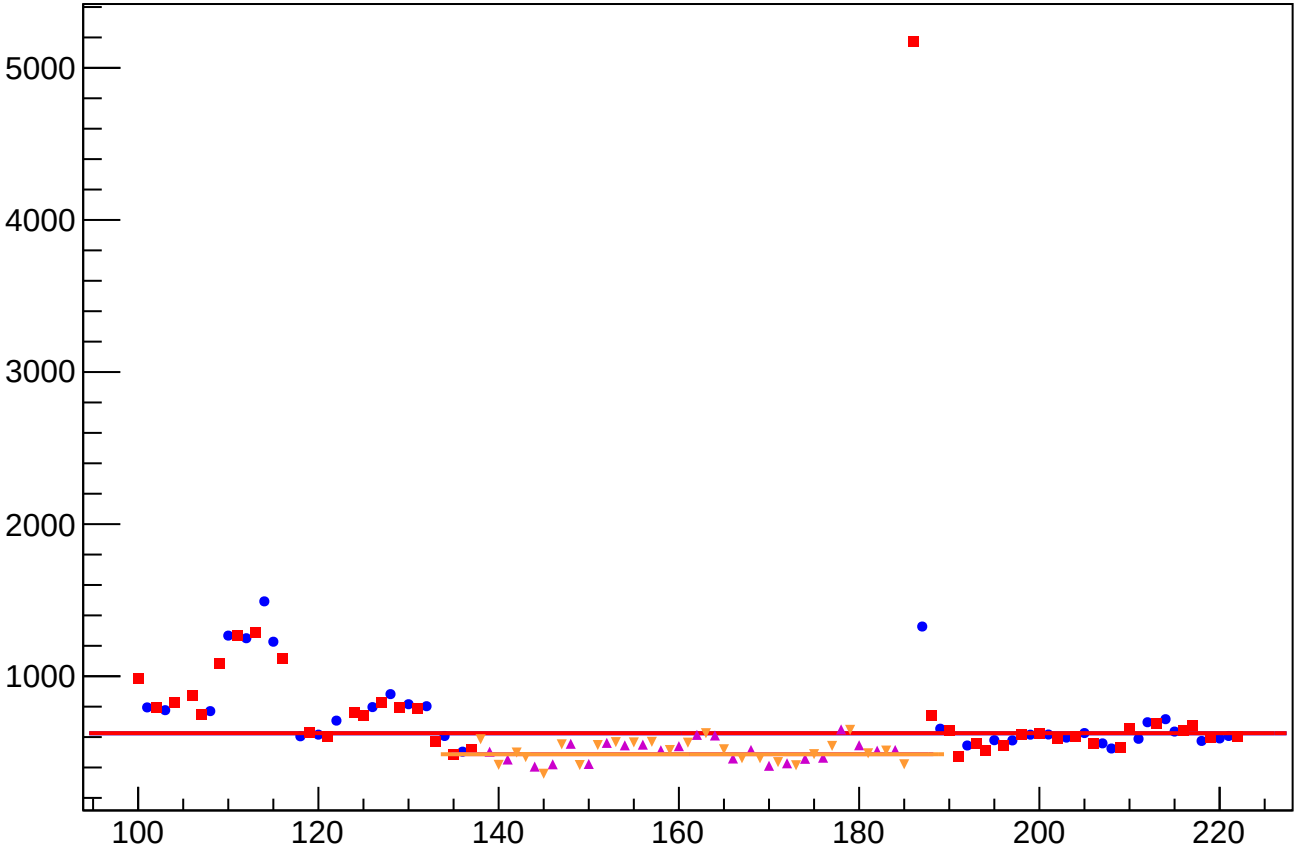
Right: -212.302+/-96.024 χ^2/NDF: 199.8/71

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -157.757+/-86.624 χ^2/NDF:191.0/62

All: 18.911+/-61.691 χ^2/NDF: 278.6/119

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: 625.641+/-0.096 χ^2/NDF: 2239643.6/37

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

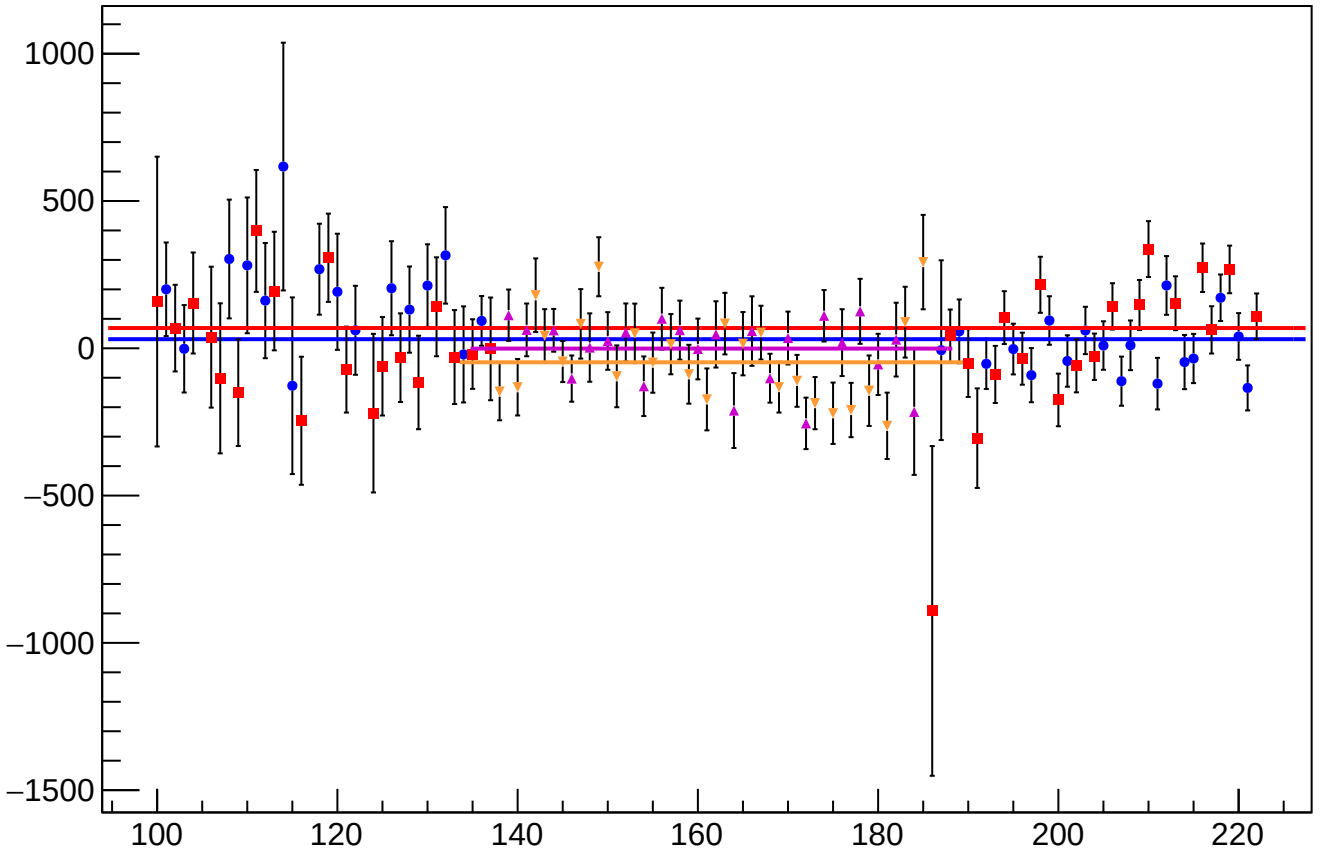
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 625.090+/-0.068 χ^2/NDF: 3635912.2/71

In: 545.351+/-0.062 χ^2/NDF:3208193.7/56

Out: 543.250+/-0.061 χ^2/NDF:4294370.3/62

All: 544.285+/-0.044 χ^2/NDF: 7503144.3/119



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: 68.778+/-18.586 χ^2/NDF: 65.3/37

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

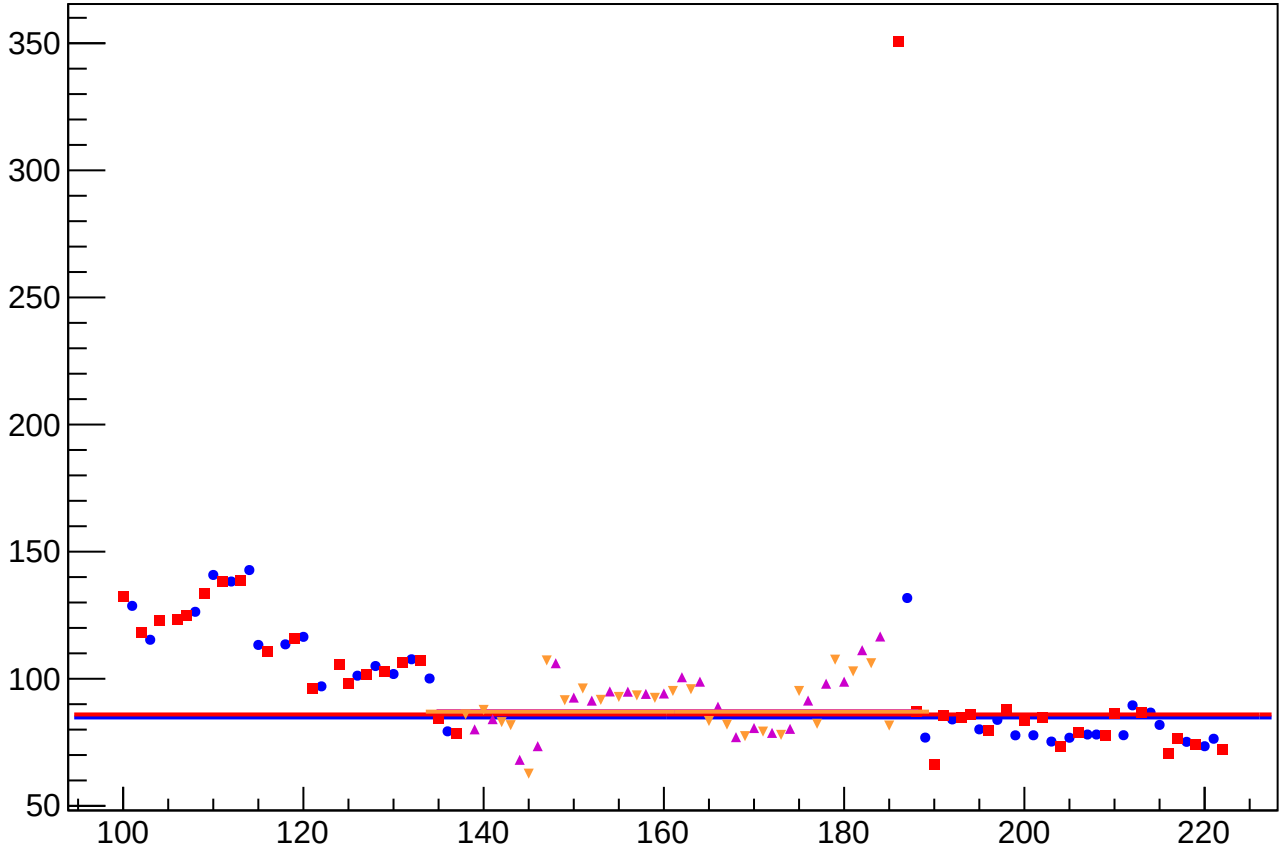
Right: 49.589+/-13.058 χ^2/NDF: 107.3/71

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 14.830+/-13.609 χ^2/NDF:127.4/62

All: 15.802+/-9.656 χ^2/NDF: 194.1/119

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: 85.960+/-0.013 χ^2/NDF: 1768645.2/37

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

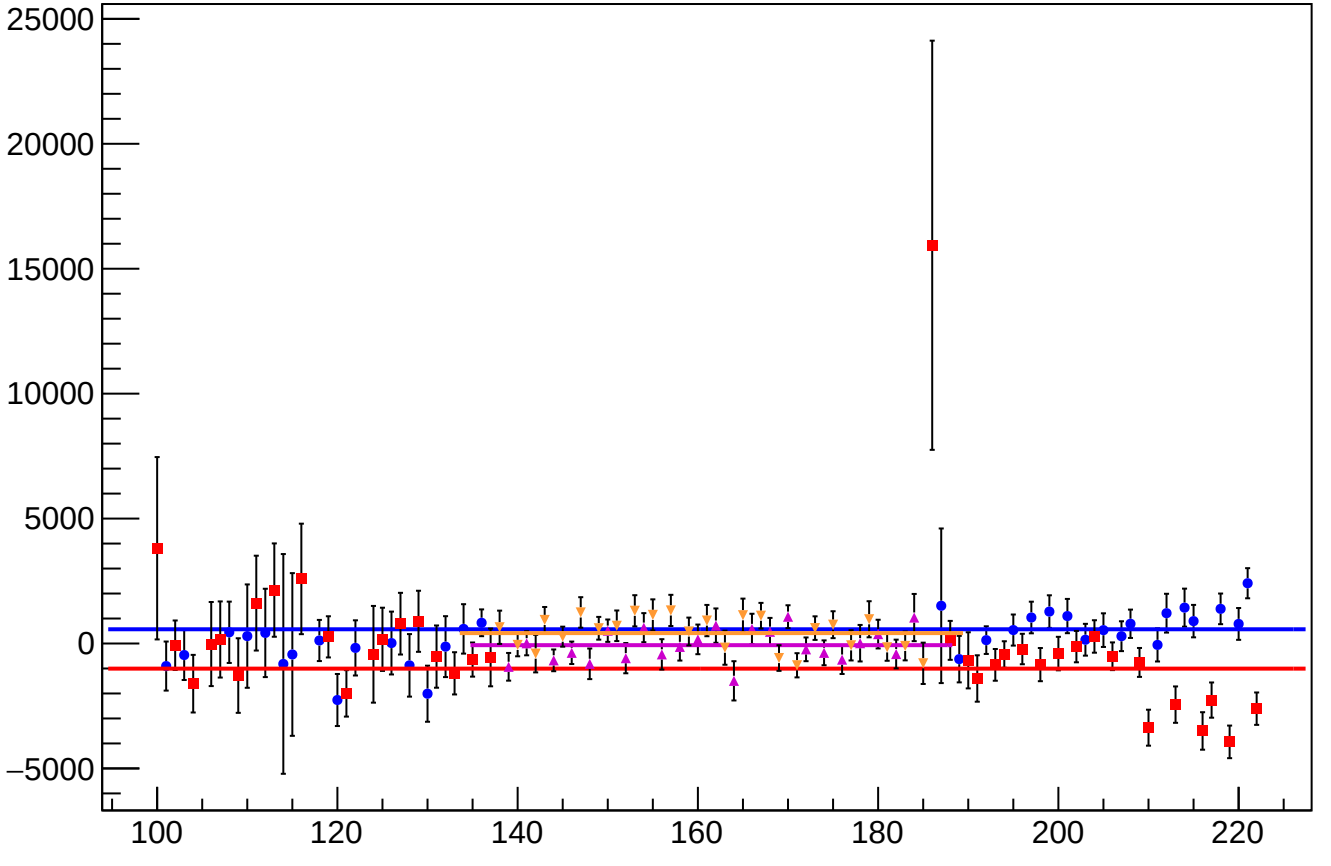
Right: 85.362+/-0.009 χ^2/NDF: 2986846.9/71

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.476+/-0.010 χ^2/NDF:2392592.6/62

All: 86.178+/-0.007 χ^2/NDF: 4220550.7/119

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: -1005.858+/-136.144 χ^2/NDF: 93.4/37

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

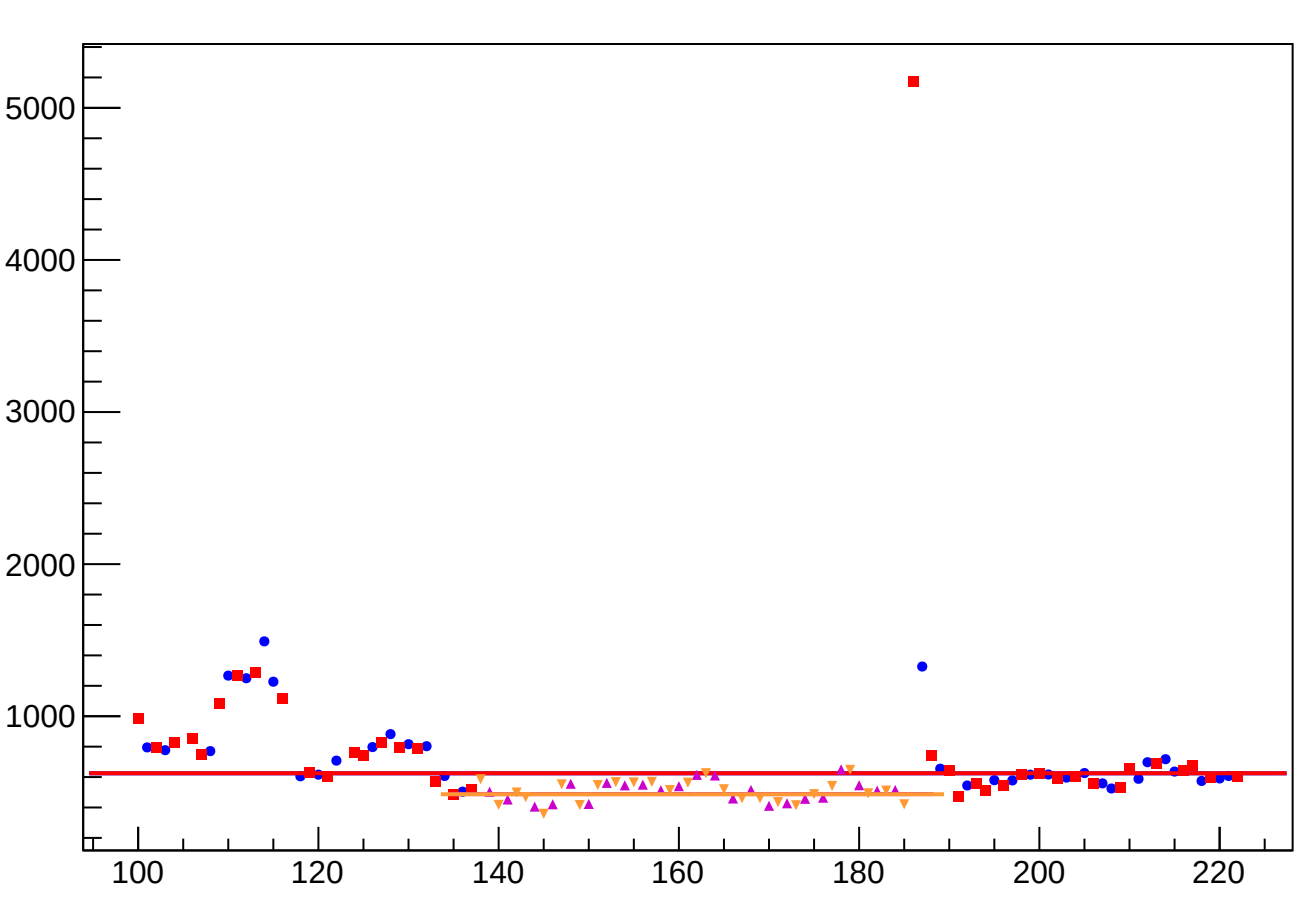
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -214.705+/-96.056 χ^2/NDF: 199.5/71

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -159.688+/-86.648 χ^2/NDF:190.7/62

All: 17.980+/-61.699 χ^2/NDF: 278.4/119



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: 625.189+/-0.096 χ^2/NDF: 2224381.9/37

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

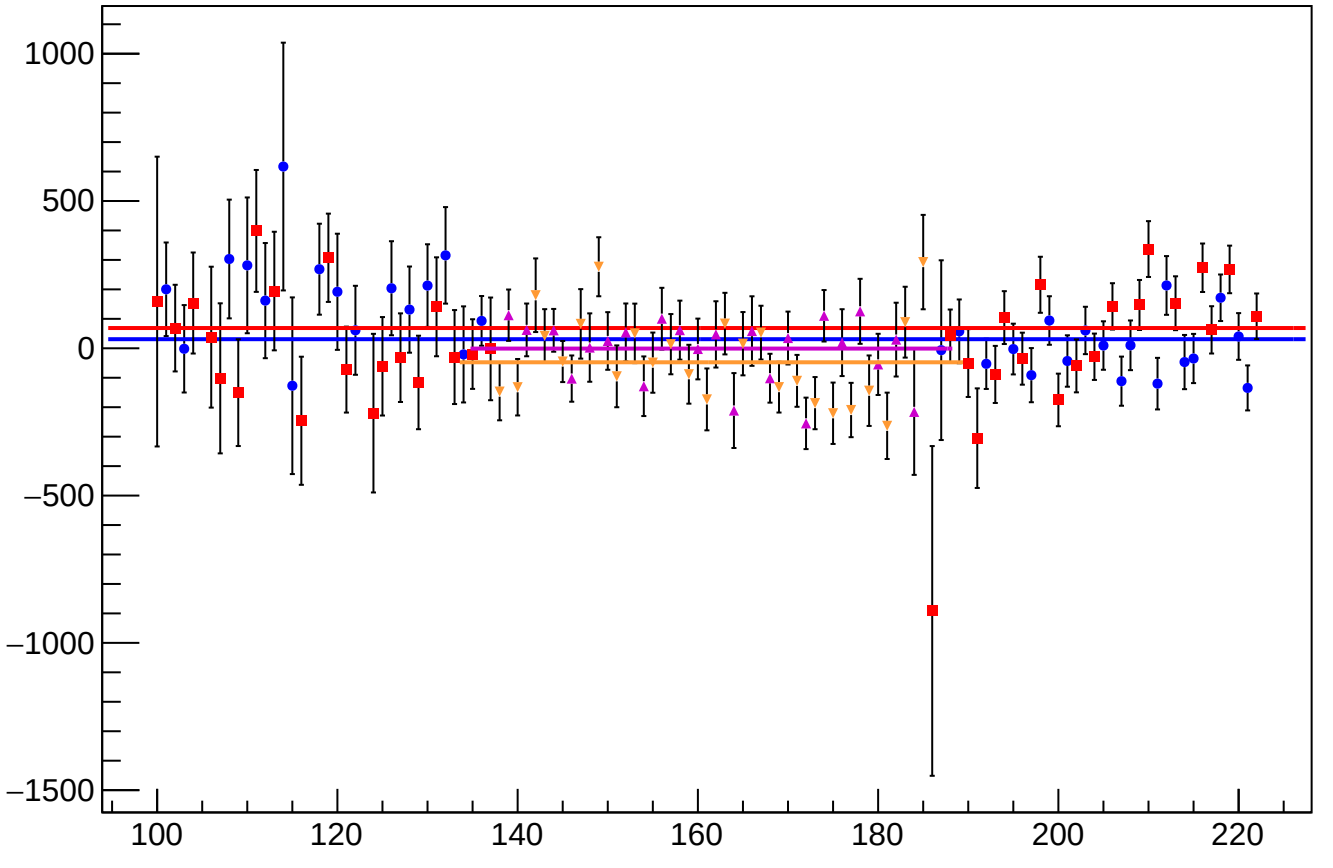
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 624.865+/-0.068 χ^2/NDF: 3620619.5/71

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 543.023+/-0.061 χ^2/NDF:4270122.4/62

All: 544.171+/-0.044 χ^2/NDF: 7479044.7/119



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: 68.778+/-18.586 χ^2/NDF: 65.3/37

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

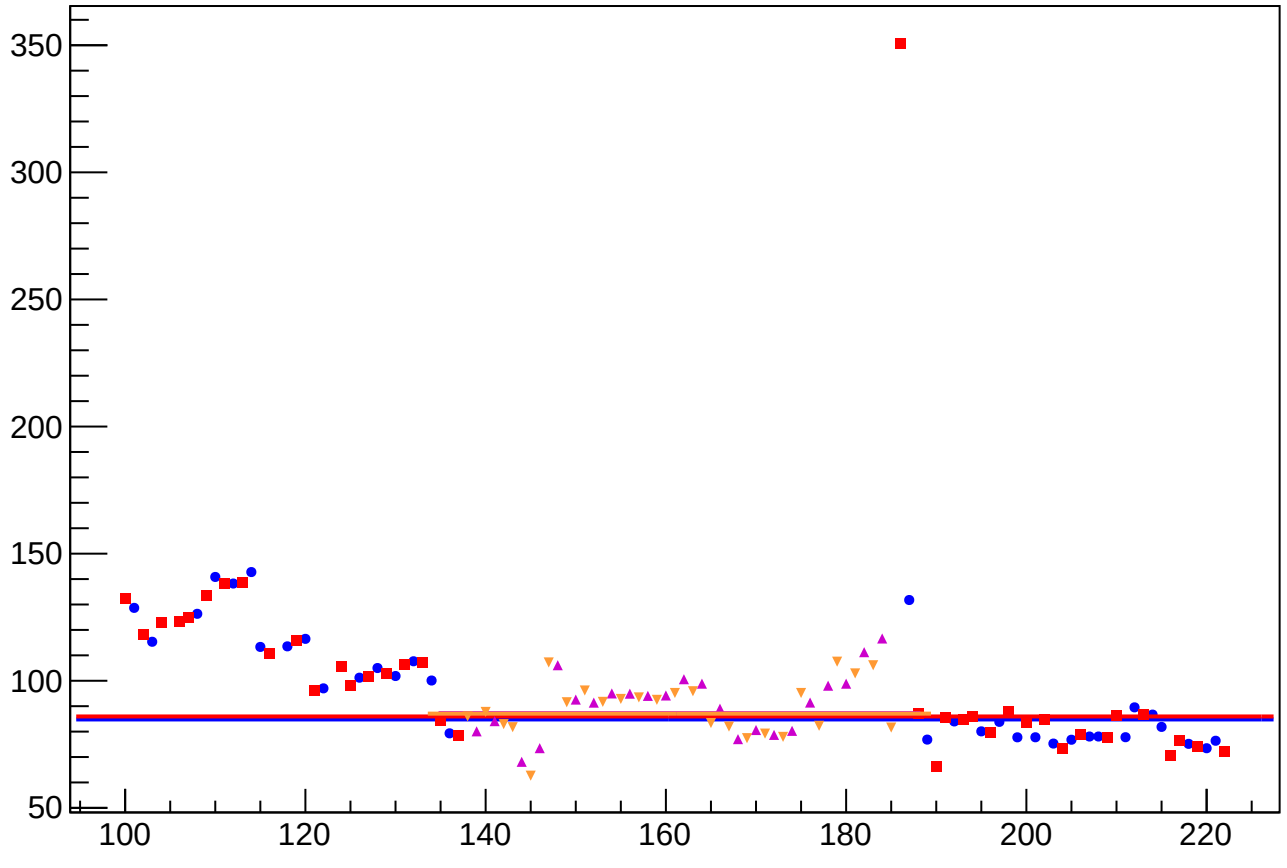
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 49.589+/-13.058 χ^2/NDF: 107.3/71

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 14.830+/-13.609 χ^2/NDF:127.4/62

All: 15.802+/-9.656 χ^2/NDF: 194.1/119



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: 85.960+/-0.013 χ^2/NDF: 1768645.2/37

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

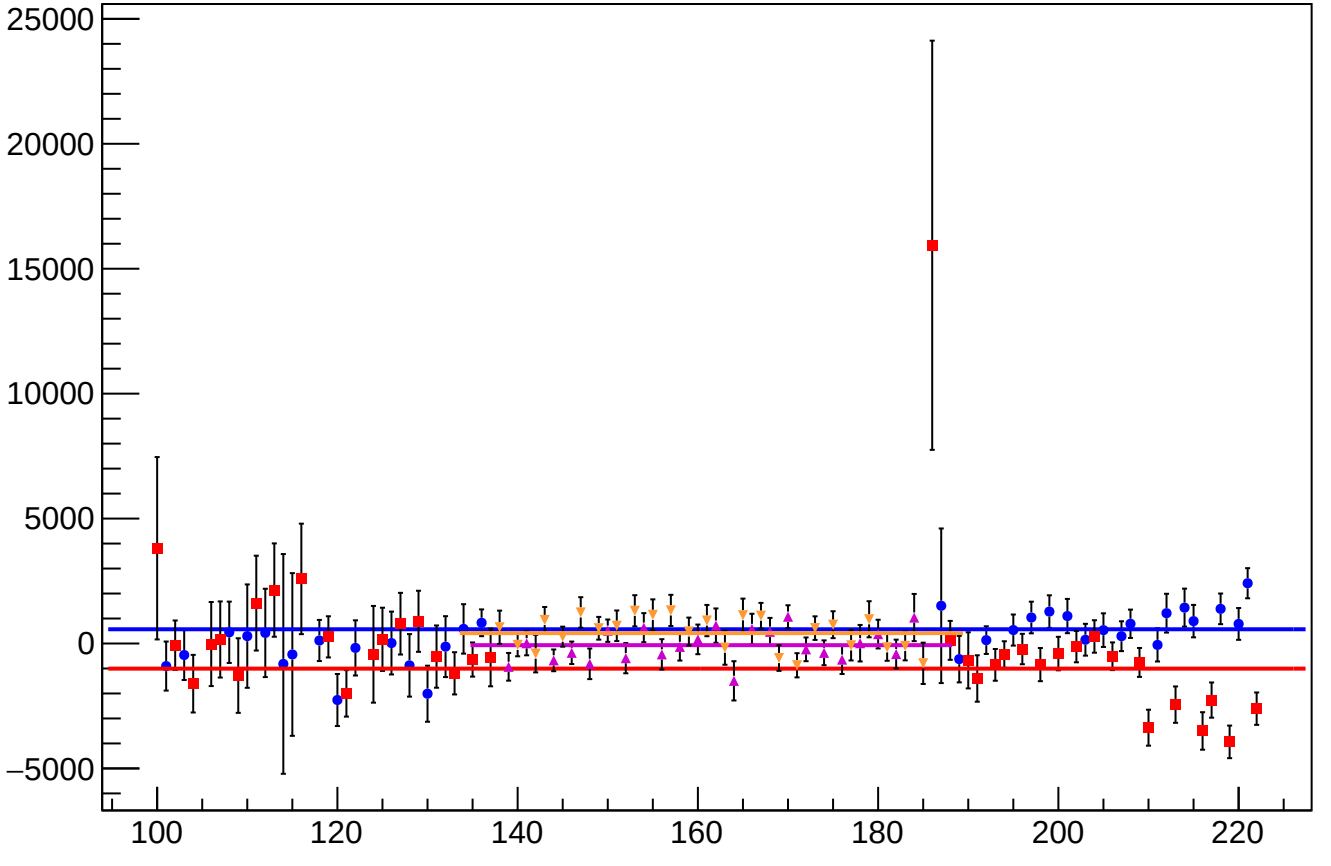
Right: 85.362+/-0.009 χ^2/NDF: 2986846.9/71

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.476+/-0.010 χ^2/NDF:2392592.6/62

All: 86.178+/-0.007 χ^2/NDF: 4220550.7/119

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: -1005.858+/-136.144 χ^2/NDF: 93.4/37

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

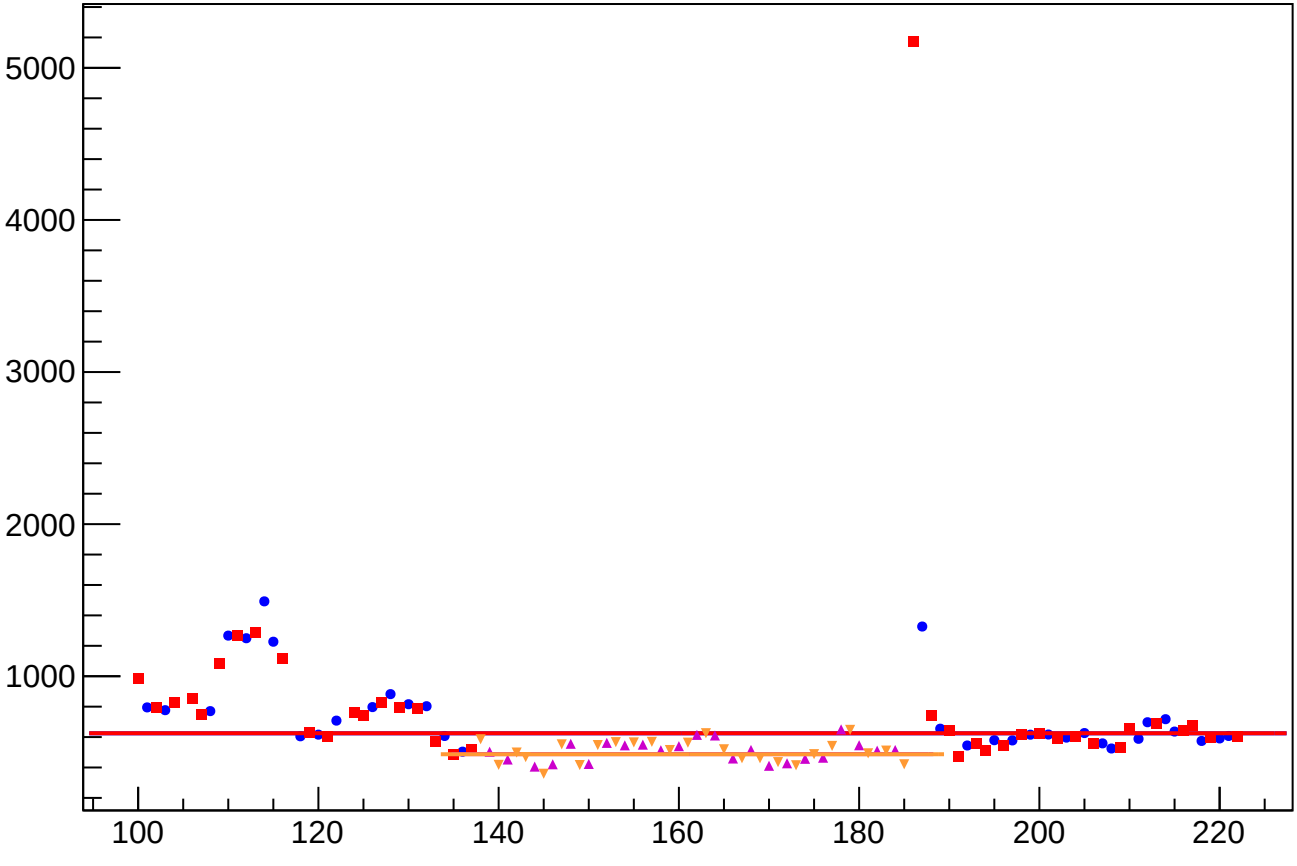
Right: -214.705+/-96.056 χ^2/NDF: 199.5/71

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -159.688+/-86.648 χ^2/NDF:190.7/62

All: 17.980+/-61.699 χ^2/NDF: 278.4/119

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: 625.189+/-0.096 χ^2/NDF: 2224381.9/37

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

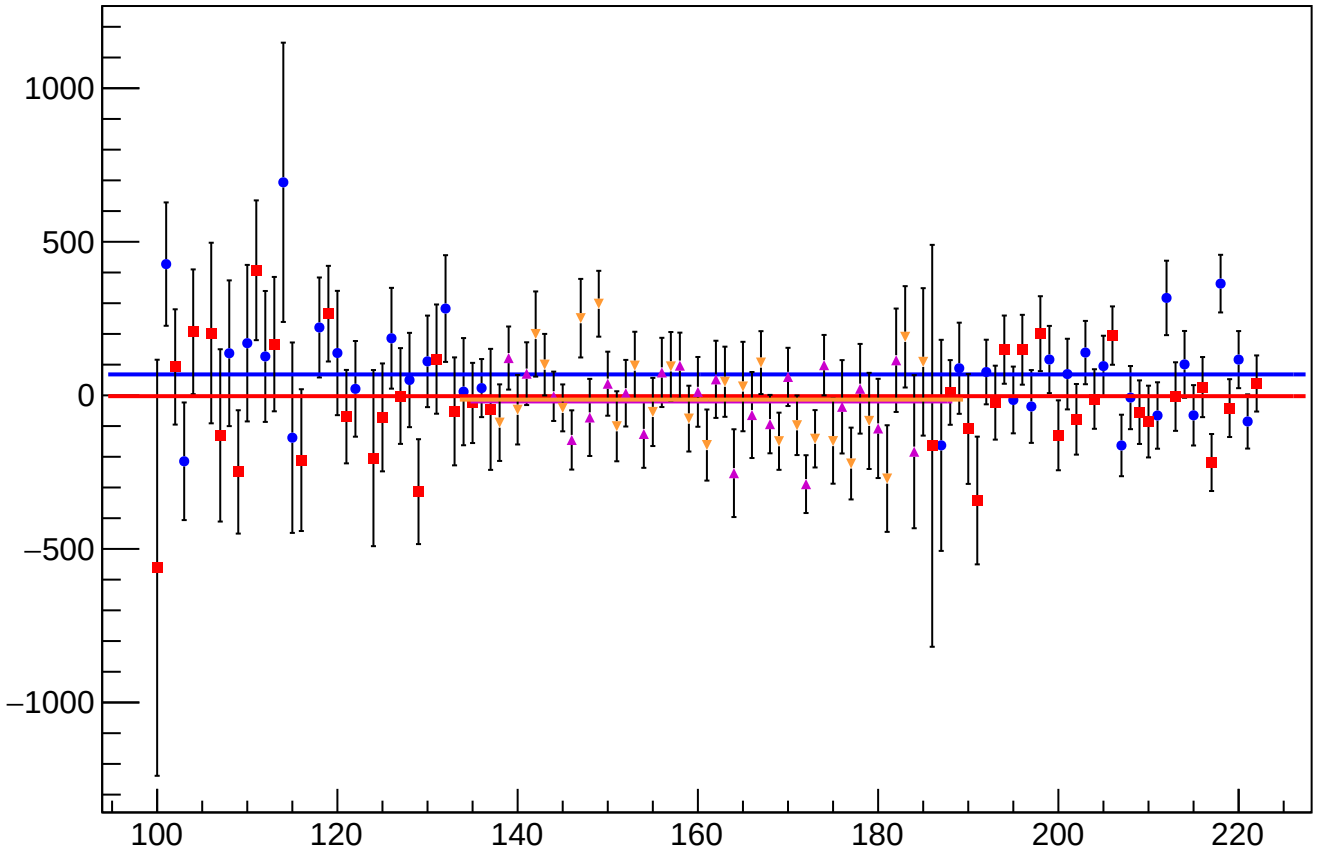
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 624.865+/-0.068 χ^2/NDF: 3620619.5/71

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 543.023+/-0.061 χ^2/NDF:4270122.4/62

All: 544.171+/-0.044 χ^2/NDF: 7479044.7/119



Right In: 68.196+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -2.631+/-22.212 χ^2/NDF: 38.8/37

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

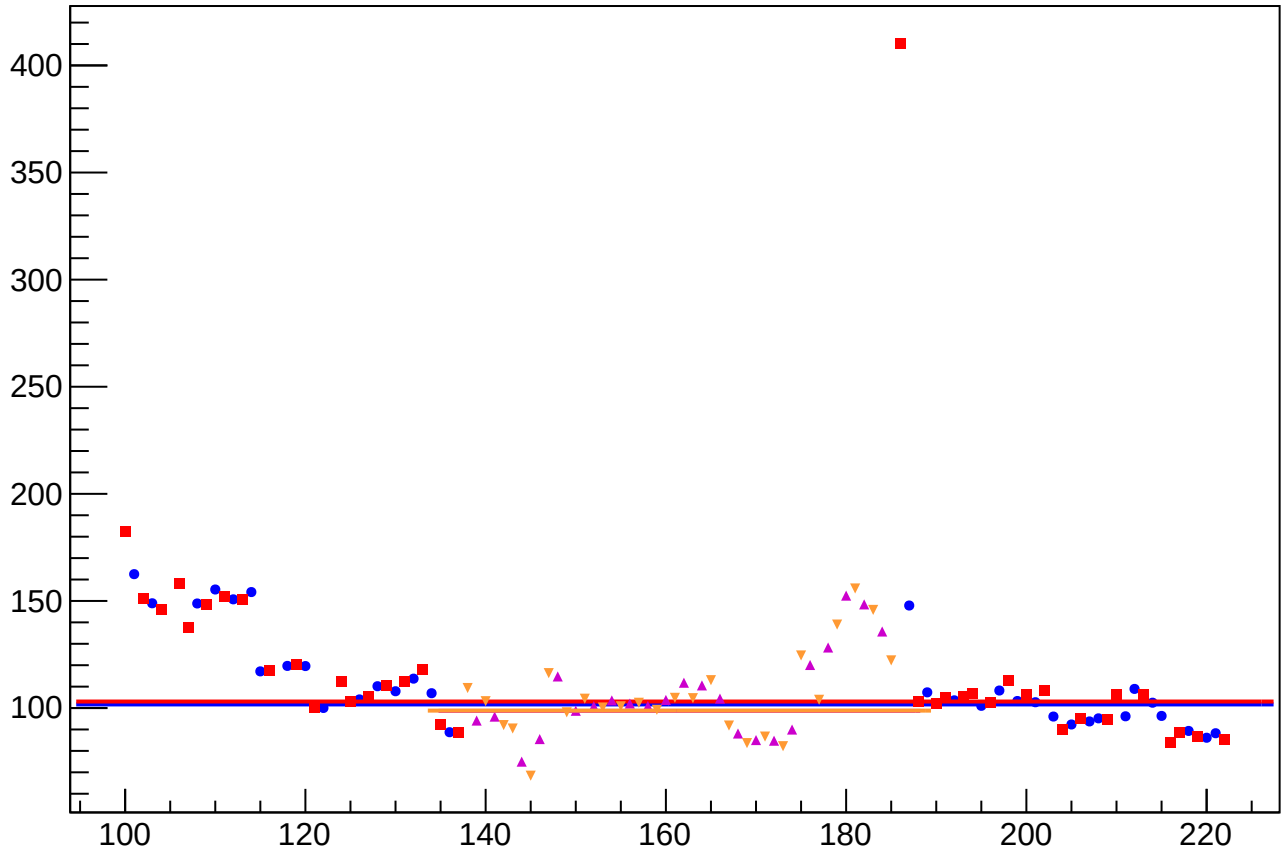
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 33.219+/-15.609 χ^2/NDF: 84.9/71

In: 27.346+/-16.060 χ^2/NDF:71.7/56

Out: -8.092+/-15.949 χ^2/NDF:75.3/62

All: 9.505+/-11.317 χ^2/NDF: 149.5/119



Right In: 101.688+/-0.016 χ^2/NDF: 955915.4/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 103.049+/-0.016 χ^2/NDF: 1510552.7/37

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

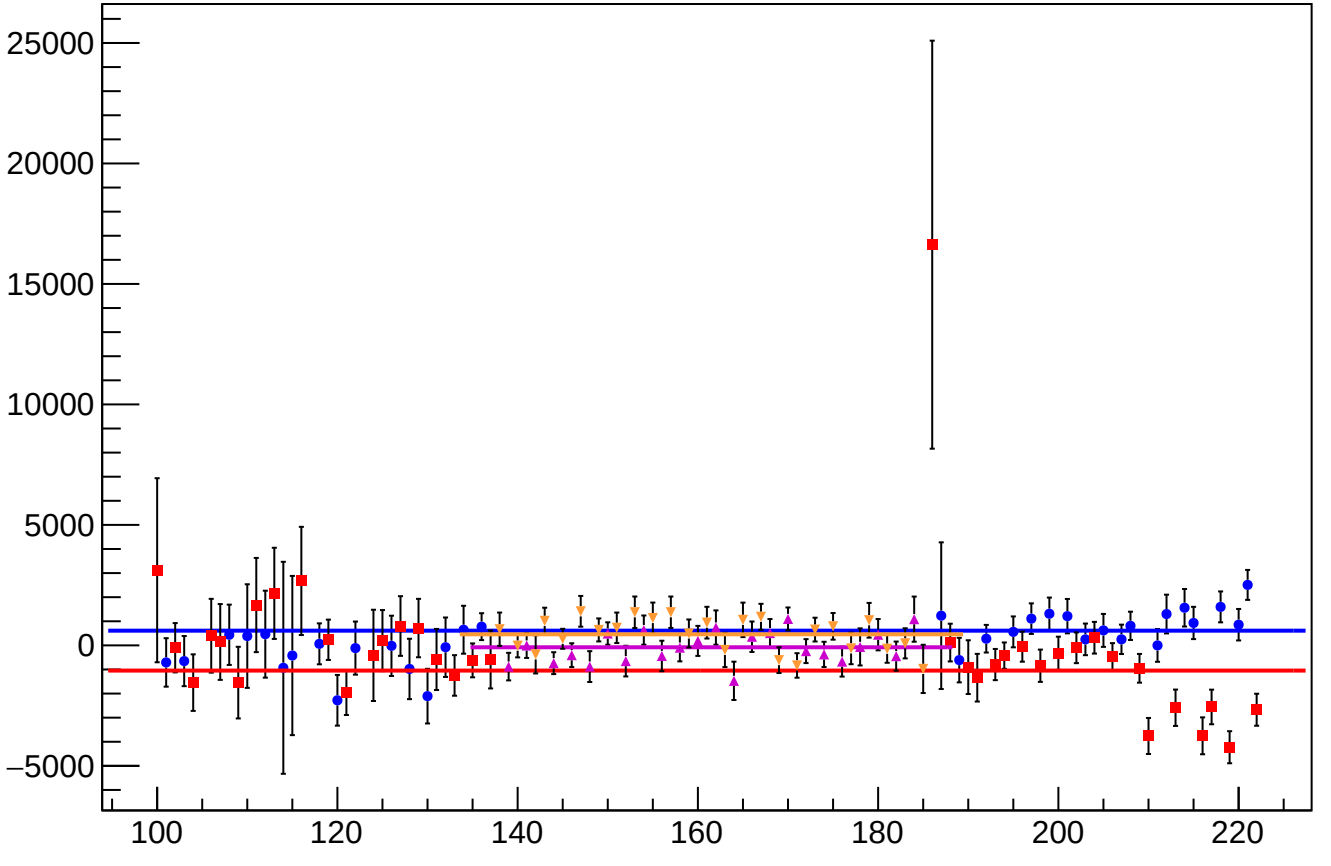
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 102.360+/-0.011 χ^2/NDF: 2470270.6/71

In: 100.288+/-0.011 χ^2/NDF:1961263.9/56

Out: 100.990+/-0.011 χ^2/NDF:2731833.1/62

All: 100.642+/-0.008 χ^2/NDF: 4695020.7/119



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: -1045.879+/-138.819 χ^2/NDF: 103.3/37

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

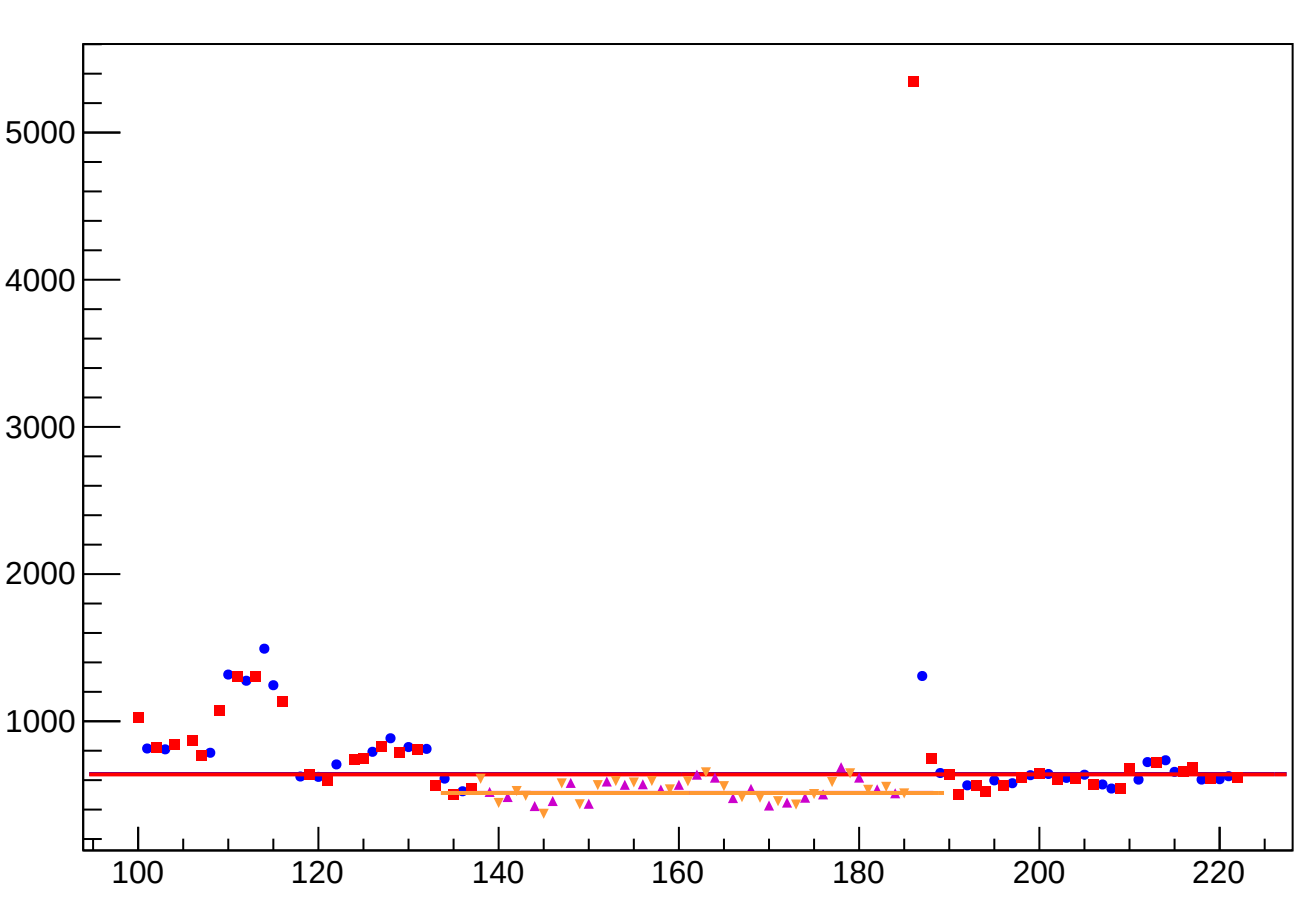
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -219.424+/-98.259 χ^2/NDF: 214.6/71

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -172.878+/-89.957 χ^2/NDF:202.3/62

All: 19.910+/-64.141 χ^2/NDF: 292.0/119



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: 639.060+/-0.098 χ^2/NDF: 2172379.7/37

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

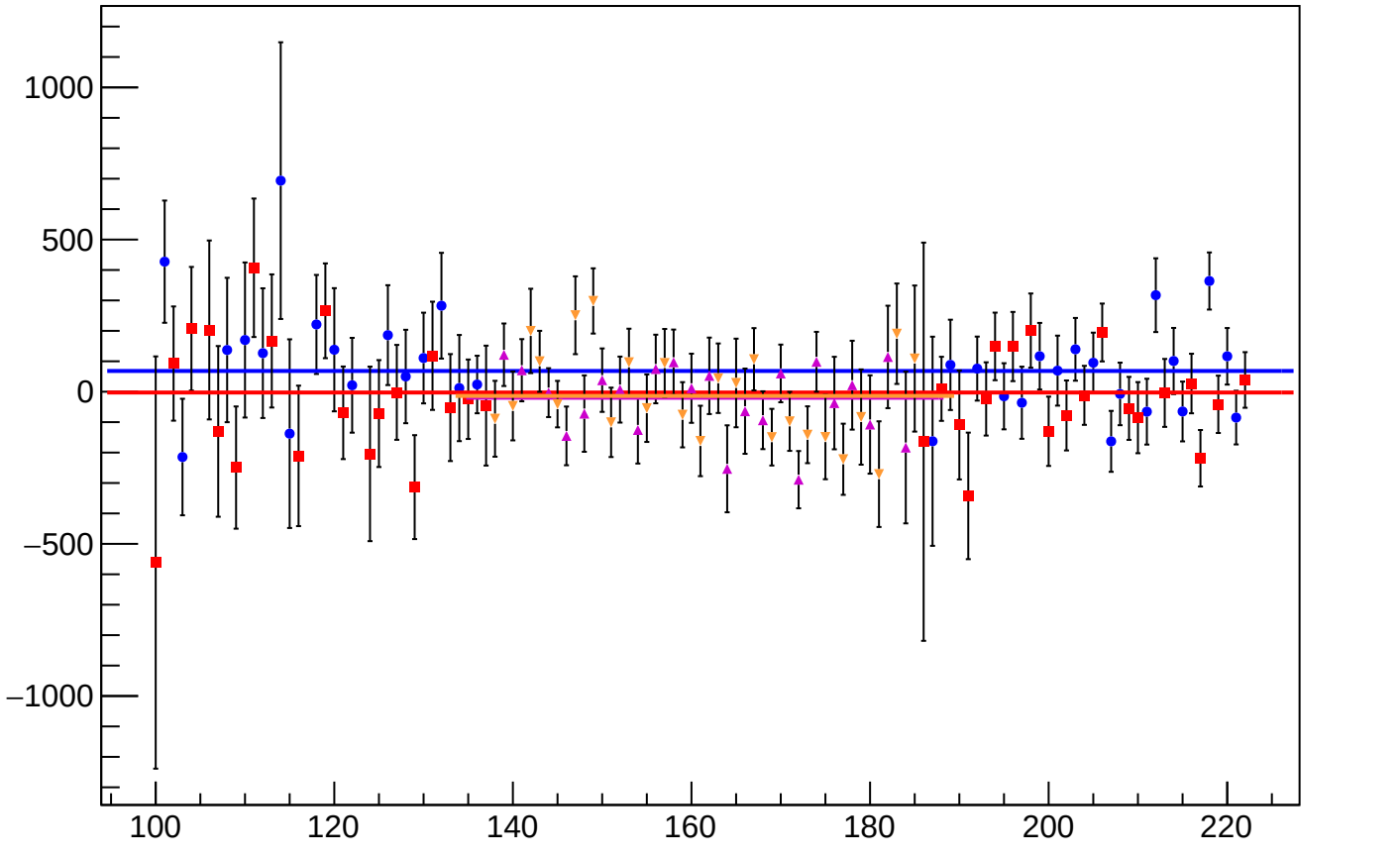
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 640.396+/-0.069 χ^2/NDF: 3508225.0/71

In: 568.894+/-0.065 χ^2/NDF:2936001.4/56

Out: 565.801+/-0.064 χ^2/NDF:3931831.4/62

All: 567.321+/-0.045 χ^2/NDF: 6868994.8/119



Right In: 68.195+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -2.628+/-22.212 χ^2/NDF: 38.8/37

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

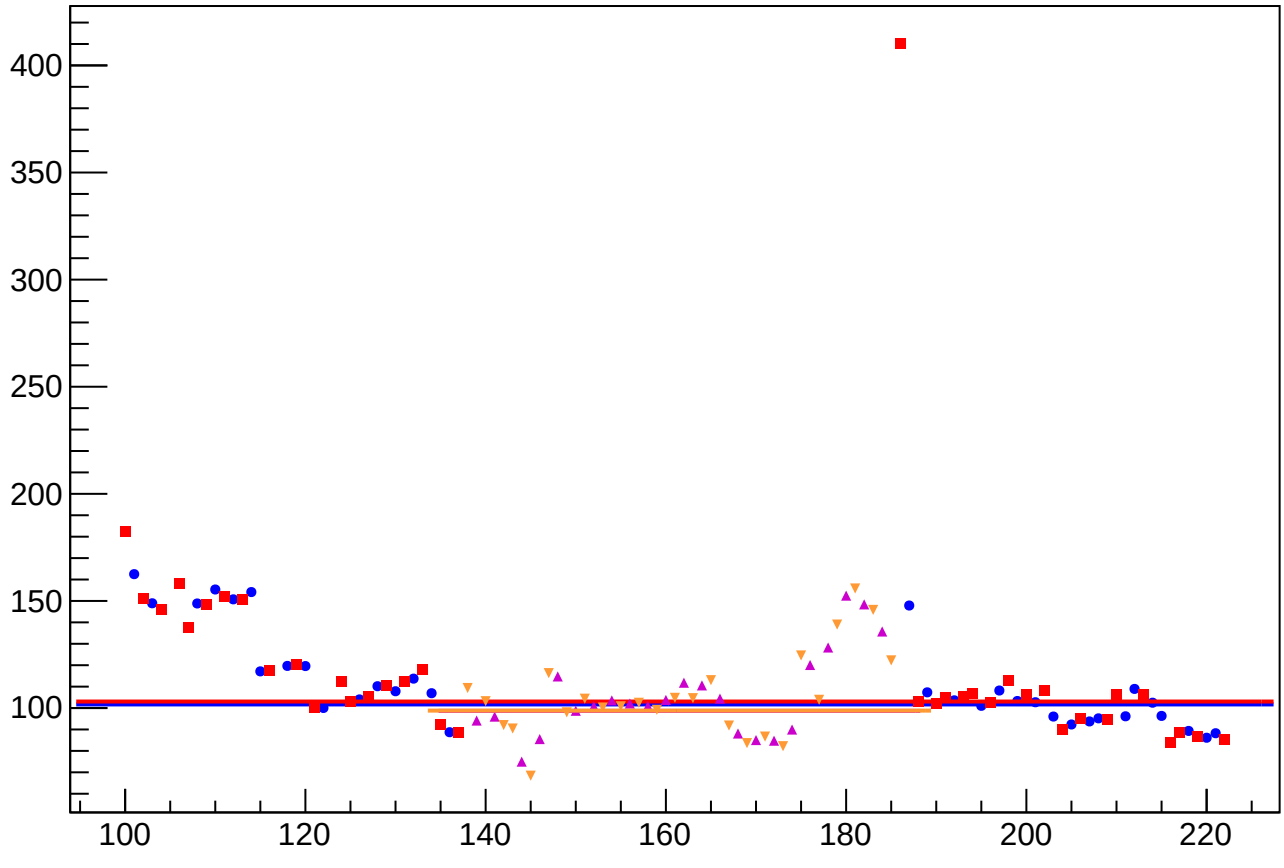
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 33.220+/-15.609 χ^2/NDF: 84.9/71

In: 27.345+/-16.060 χ^2/NDF:71.7/56

Out: -8.091+/-15.949 χ^2/NDF:75.3/62

All: 9.505+/-11.317 χ^2/NDF: 149.5/119



Right In: 101.688+/-0.016 χ^2/NDF: 955911.2/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 103.049+/-0.016 χ^2/NDF: 1510549.5/37

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

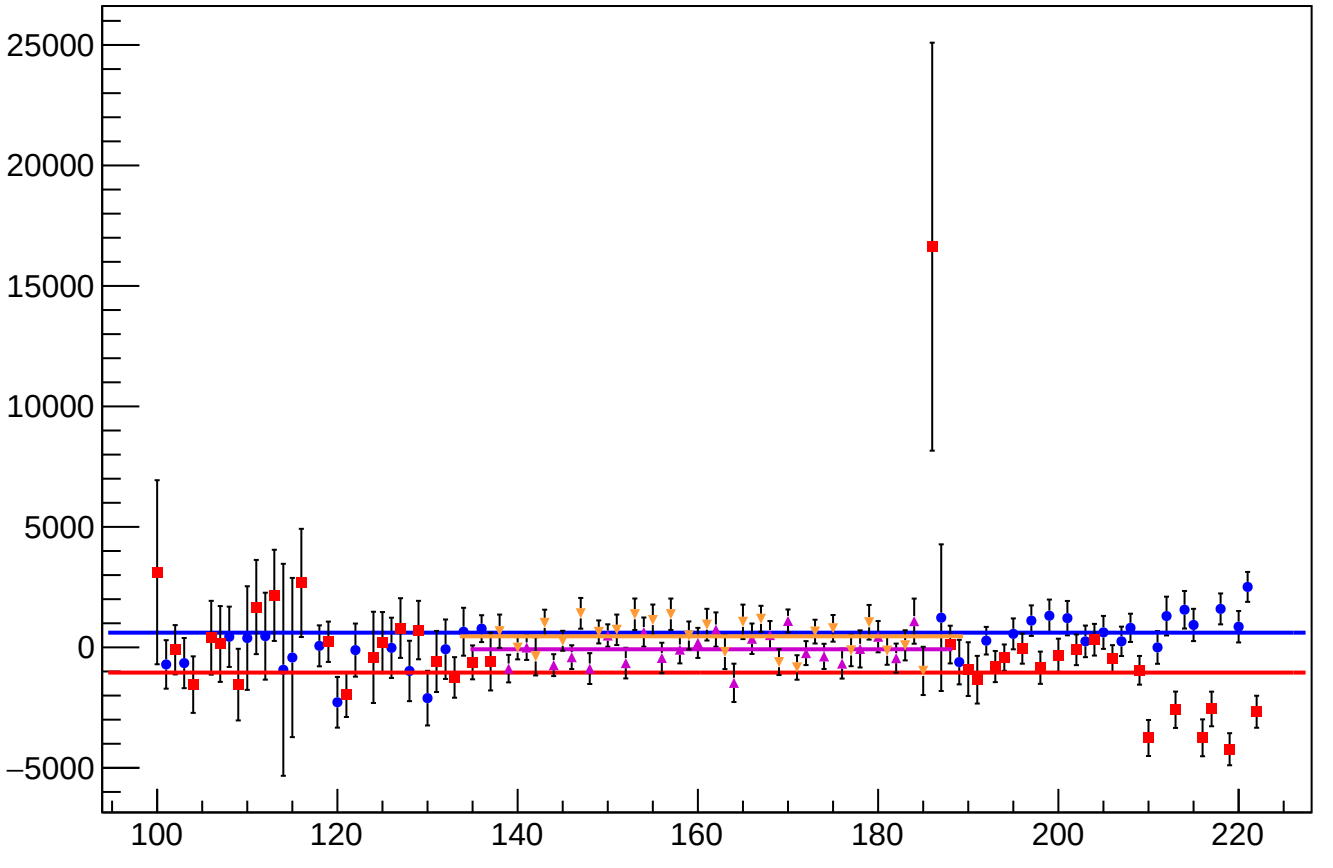
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 102.360+/-0.011 χ^2/NDF: 2470263.2/71

In: 100.288+/-0.011 χ^2/NDF:1961251.3/56

Out: 100.990+/-0.011 χ^2/NDF:2731834.8/62

All: 100.642+/-0.008 χ^2/NDF: 4695009.7/119



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: -1045.877+/-138.819 χ^2/NDF: 103.3/37

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

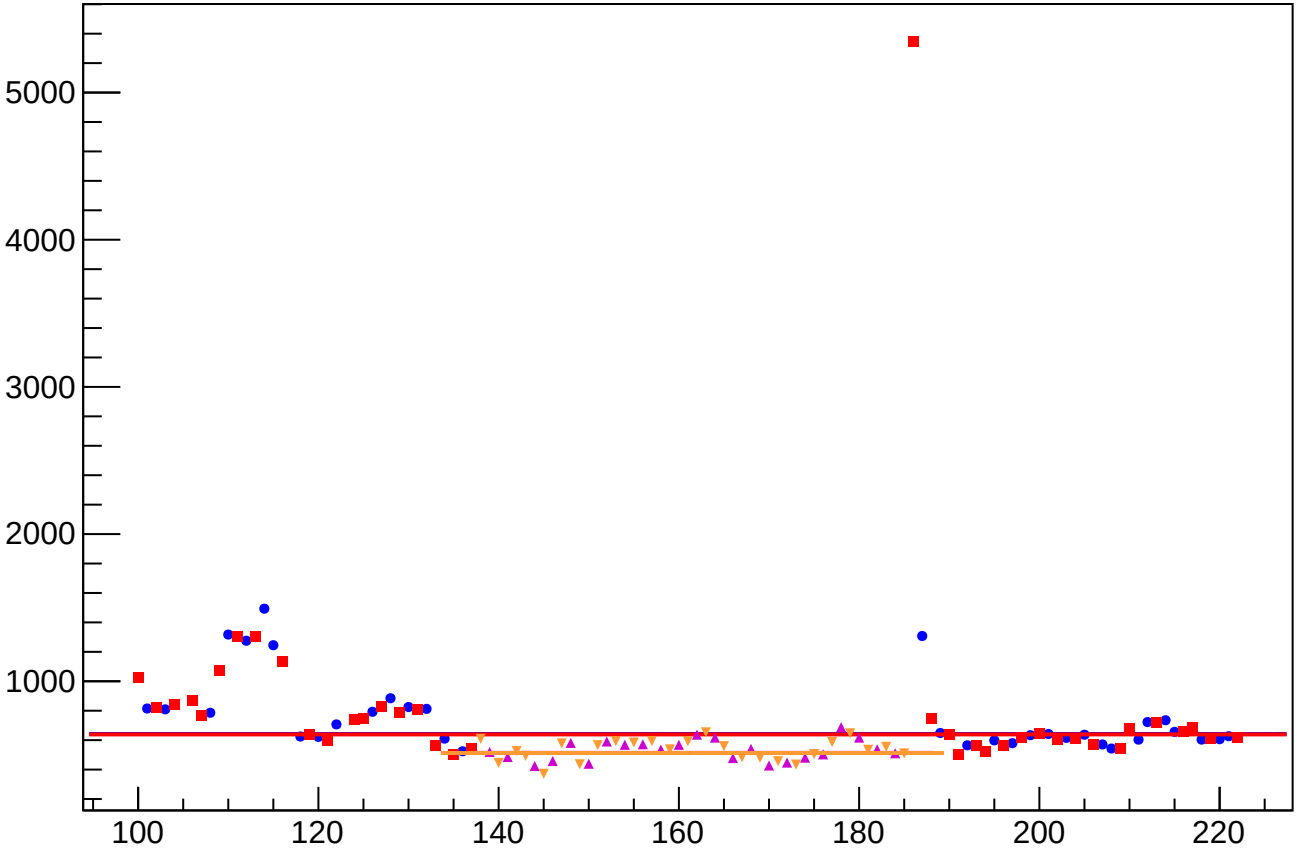
Right: -219.423+/-98.259 χ^2/NDF: 214.6/71

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -172.879+/-89.957 χ^2/NDF:202.3/62

All: 19.909+/-64.141 χ^2/NDF: 292.0/119

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: 639.059+/-0.098 χ^2/NDF: 2172377.0/37

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

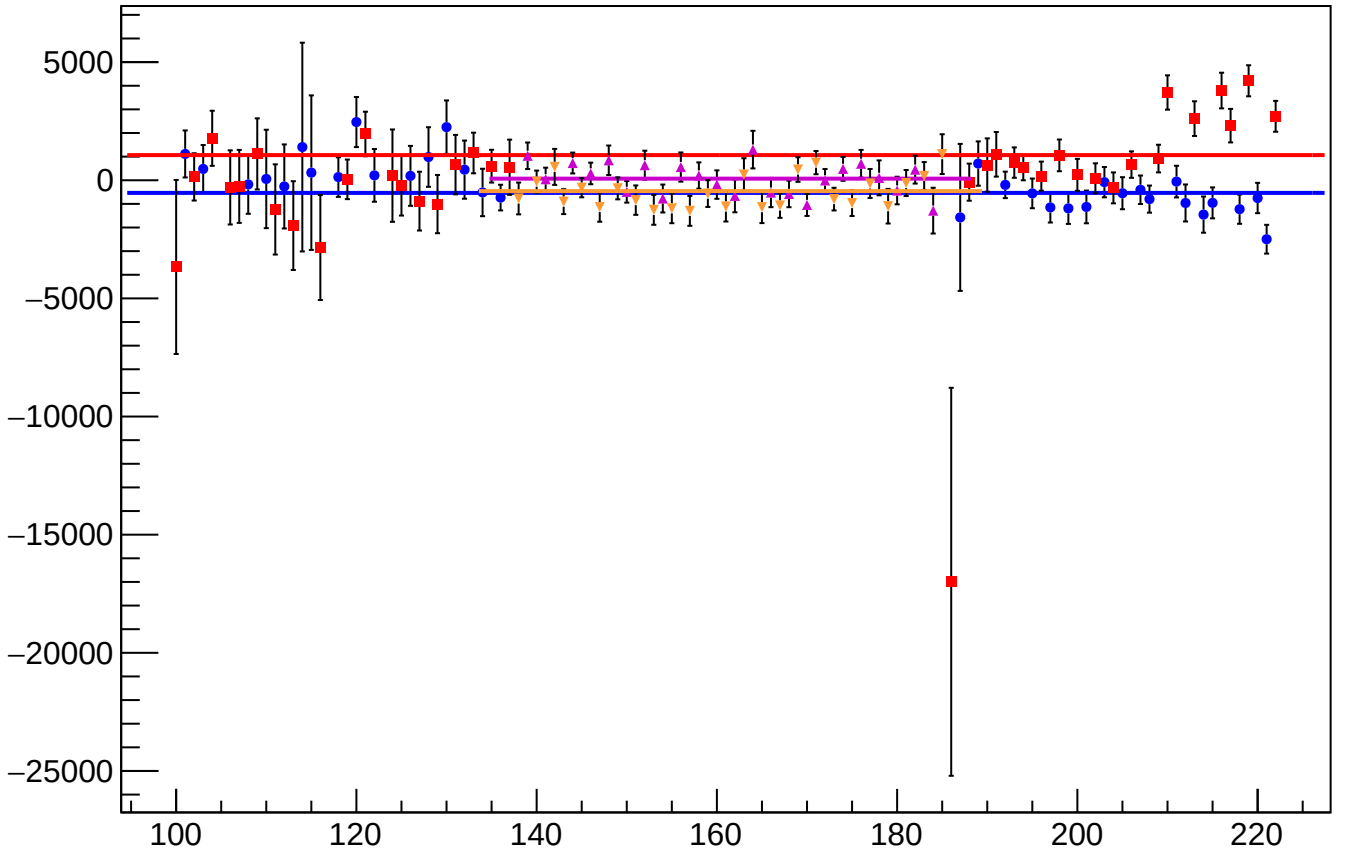
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 640.395+/-0.069 χ^2/NDF: 3508219.1/71

In: 568.893+/-0.065 χ^2/NDF:2935986.3/56

Out: 565.801+/-0.064 χ^2/NDF:3931817.4/62

All: 567.321+/-0.045 χ^2/NDF: 6868965.8/119



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: 1064.774+/-137.489 χ^2/NDF: 103.6/37

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

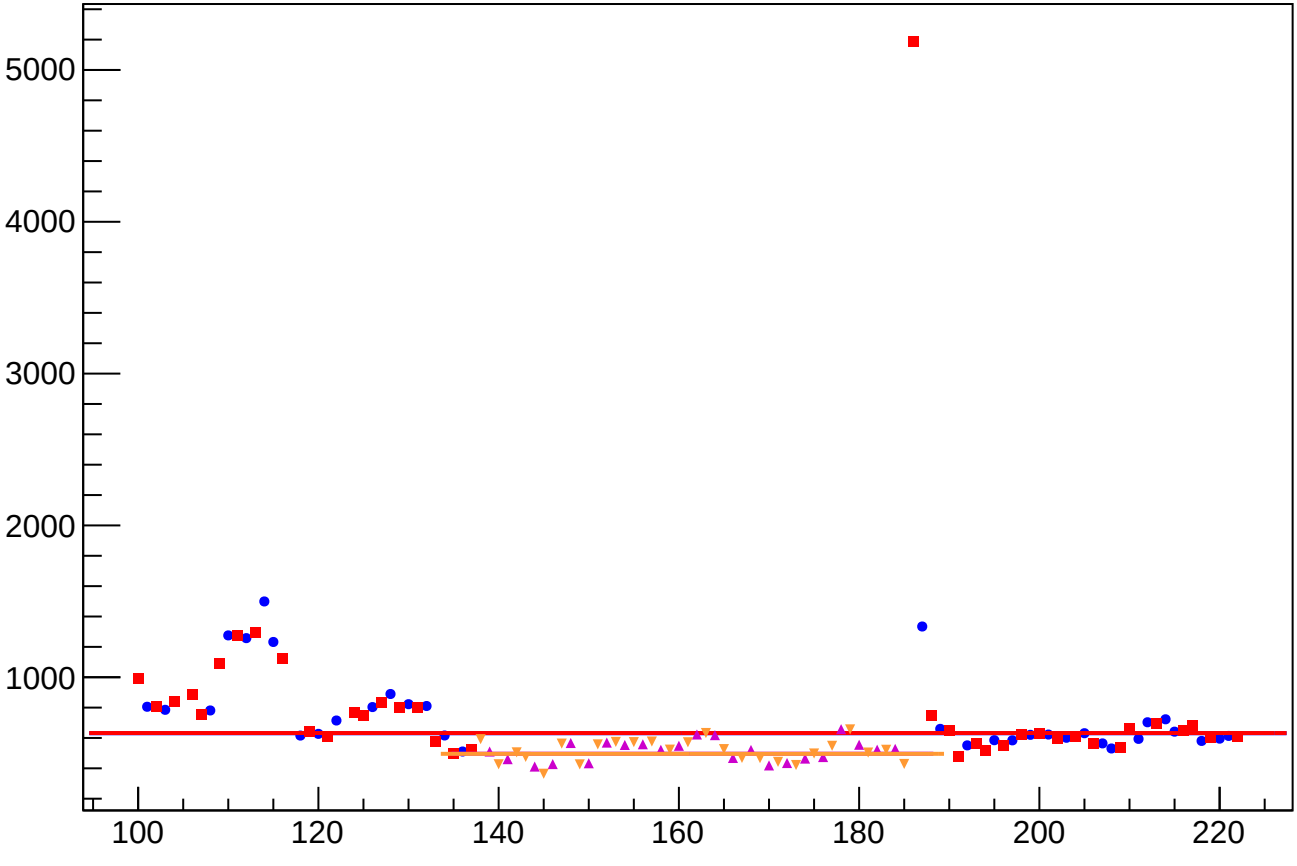
Right: 261.818+/-97.018 χ^2/NDF: 213.4/71

In: -187.172+/-89.110 χ^2/NDF:81.7/56

Out: 162.786+/-87.863 χ^2/NDF:207.2/62

All: -9.729+/-62.565 χ^2/NDF: 296.7/119

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: 632.447+/-0.097 χ^2/NDF: 2217486.3/37

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

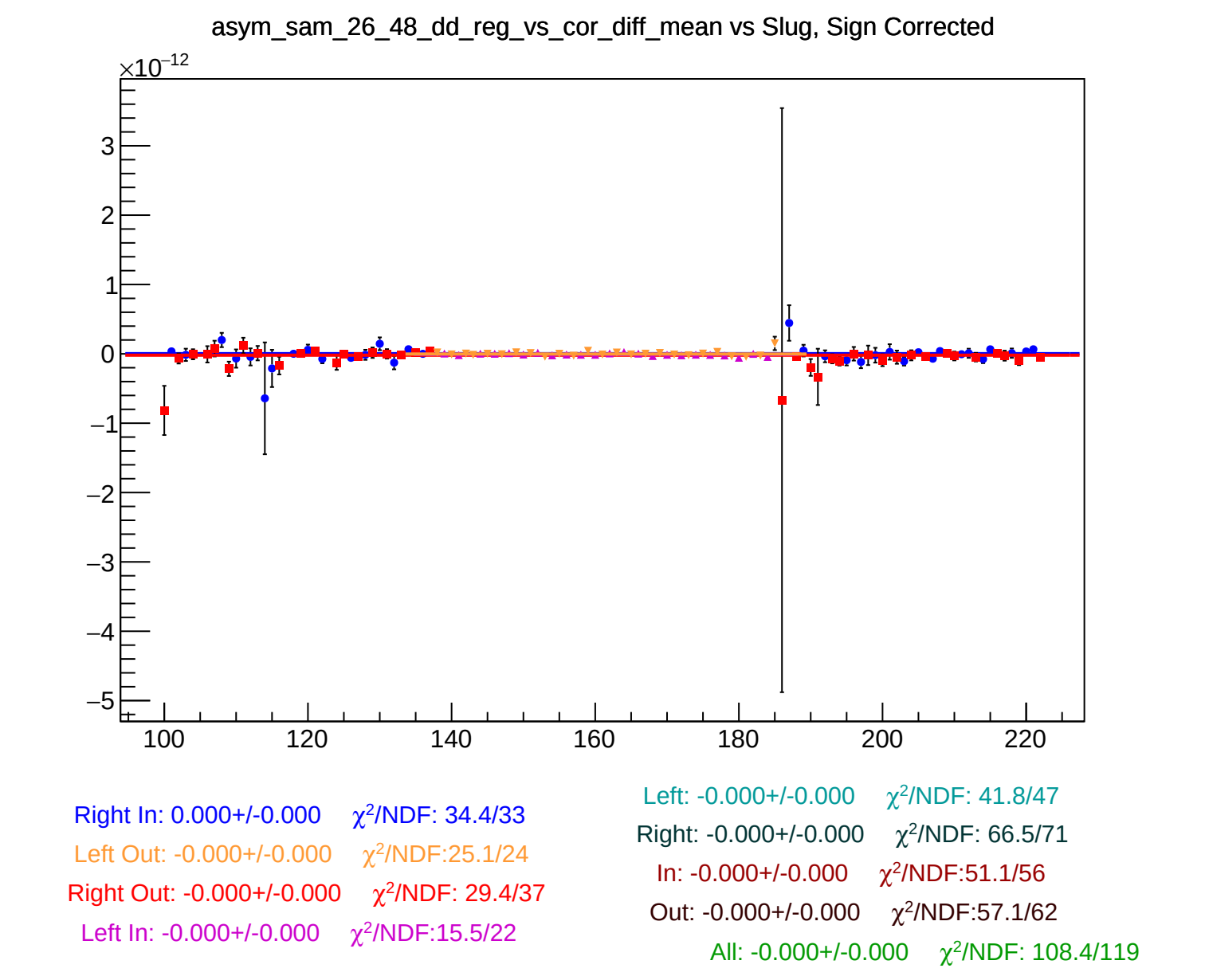
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

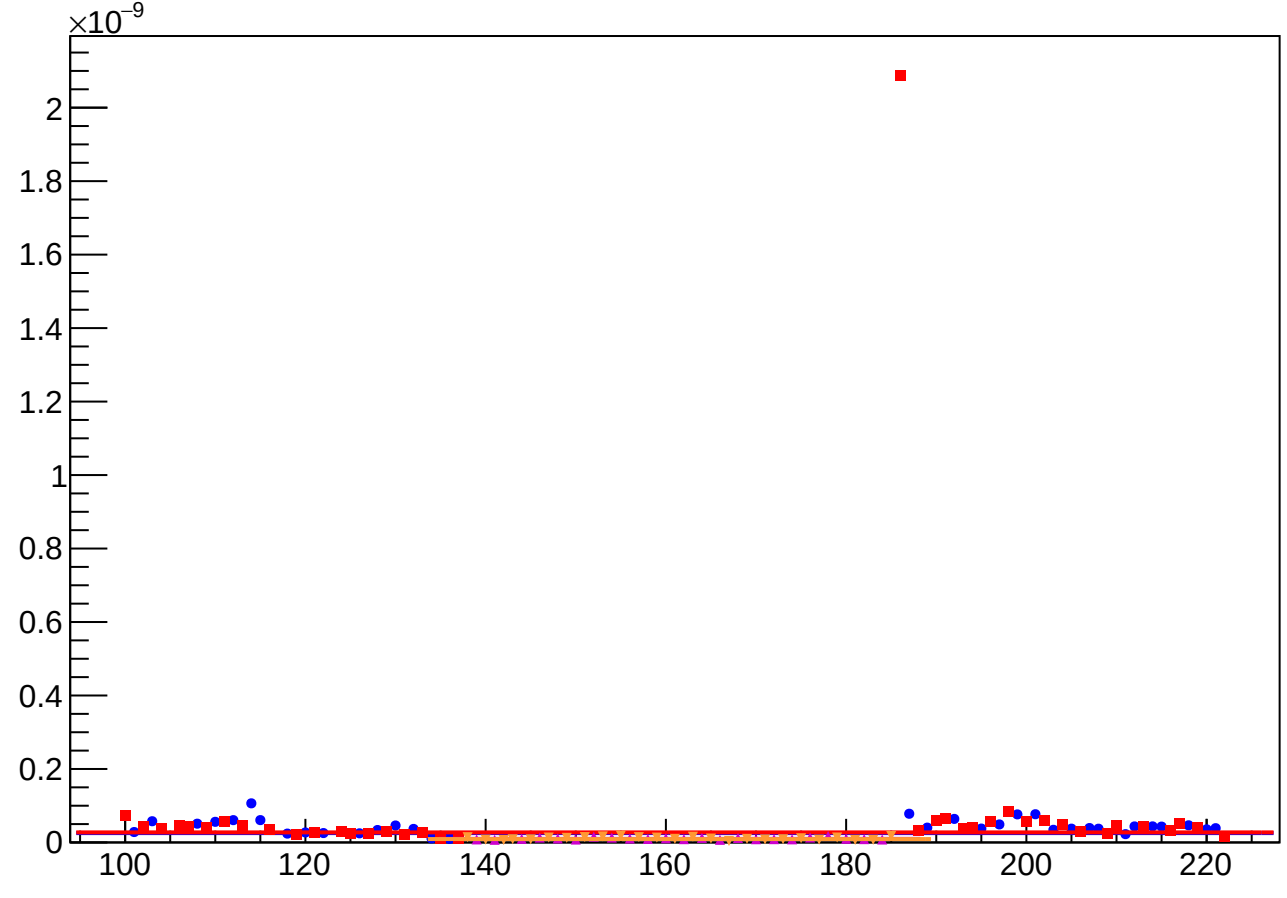
Right: 631.744+/-0.069 χ^2/NDF: 3601487.3/71

In: 553.376+/-0.063 χ^2/NDF:3122694.9/56

Out: 551.436+/-0.062 χ^2/NDF:4195808.0/62

All: 552.393+/-0.044 χ^2/NDF: 7318983.2/119


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 34.4/33
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.4/37
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 66.5/71
In: -0.000+/-0.000 χ²/NDF:51.1/56
Out: -0.000+/-0.000 χ²/NDF:57.1/62
All: -0.000+/-0.000 χ²/NDF: 108.4/119



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: 4969240.3/37

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

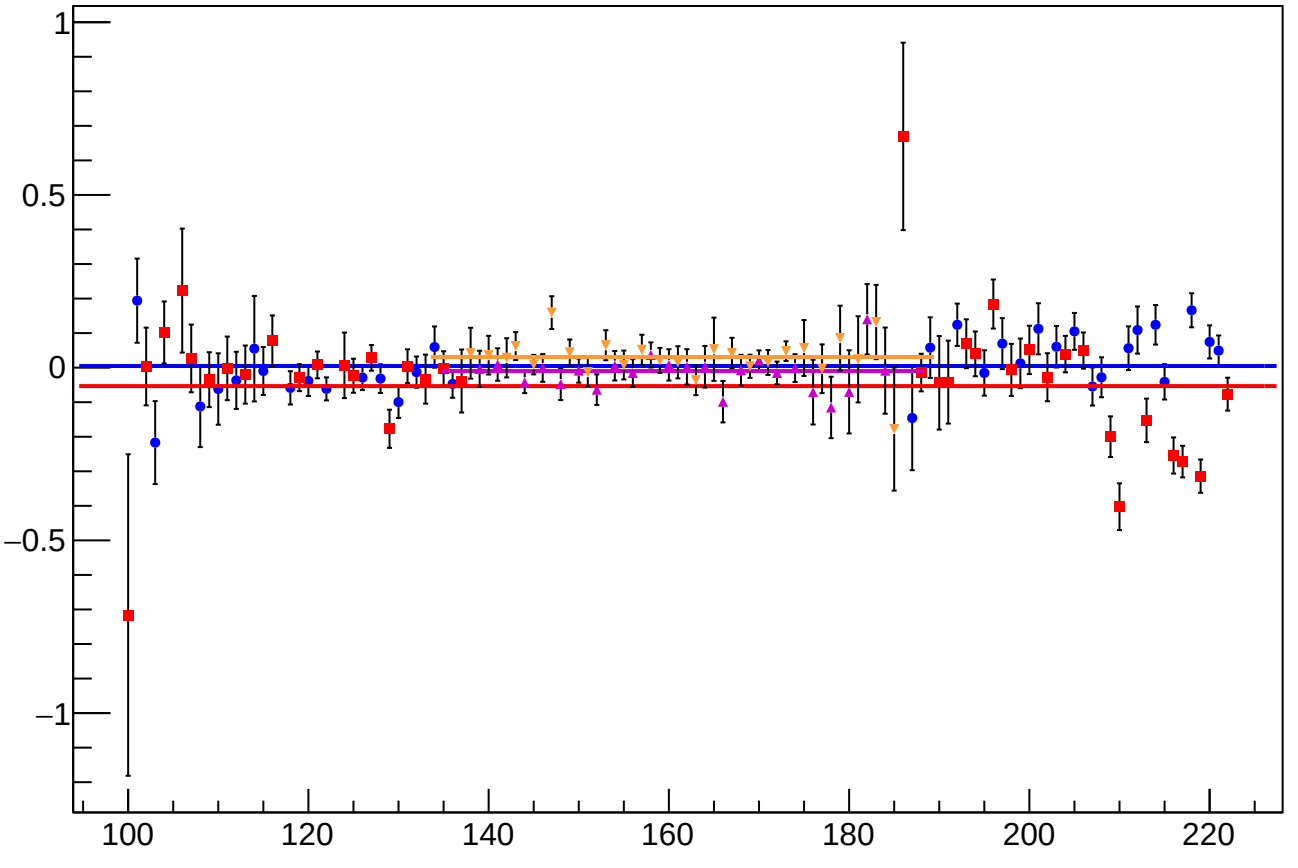
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11288100.0/71

In: 0.000+/-0.000 χ^2/NDF:11889816.0/56

Out: 0.000+/-0.000 χ^2/NDF:12911215.0/62

All: 0.000+/-0.000 χ^2/NDF: 24843334.8/119



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: -0.053+/-0.010 χ^2/NDF: 164.1/37

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

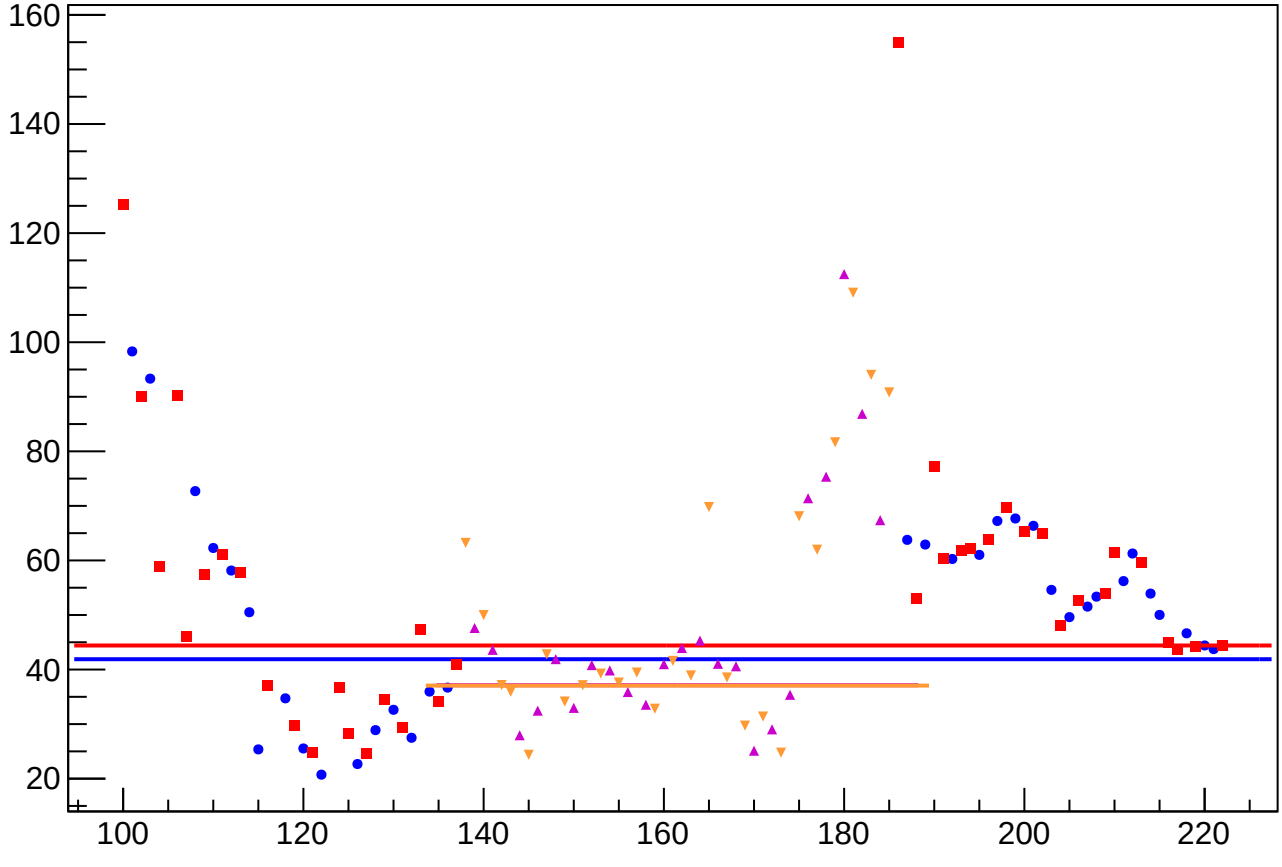
Right: -0.023+/-0.007 χ^2/NDF: 241.3/71

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.007+/-0.007 χ^2/NDF:220.3/62

All: -0.005+/-0.005 χ^2/NDF: 294.7/119

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: 44.409+/-0.007 χ^2/NDF: 4587240.7/37

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

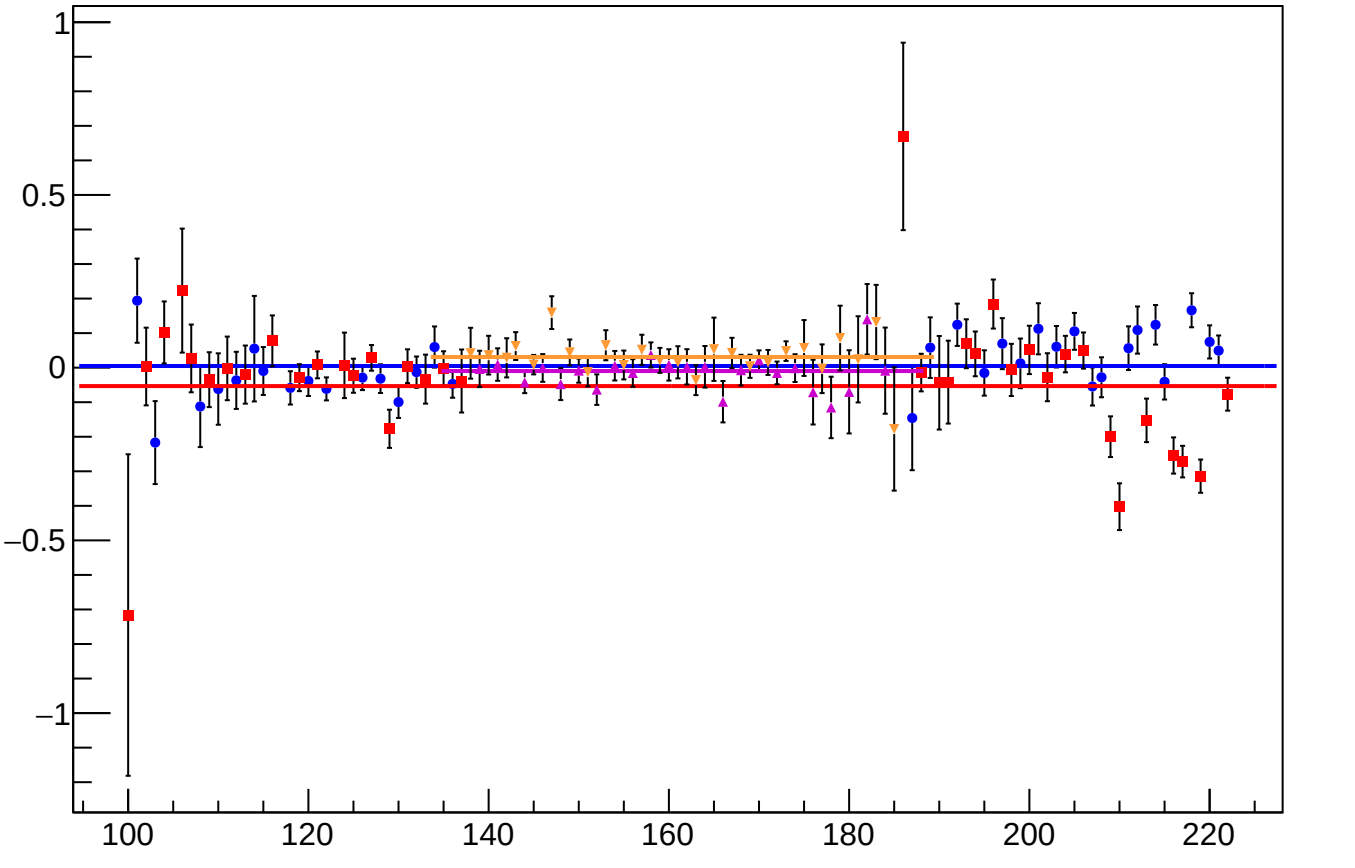
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.096+/-0.005 χ^2/NDF: 10012058.0/71

In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.375+/-0.005 χ^2/NDF:9226606.1/62

All: 39.908+/-0.003 χ^2/NDF: 17869541.5/119



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: -0.053+/-0.010 χ^2/NDF: 164.1/37

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

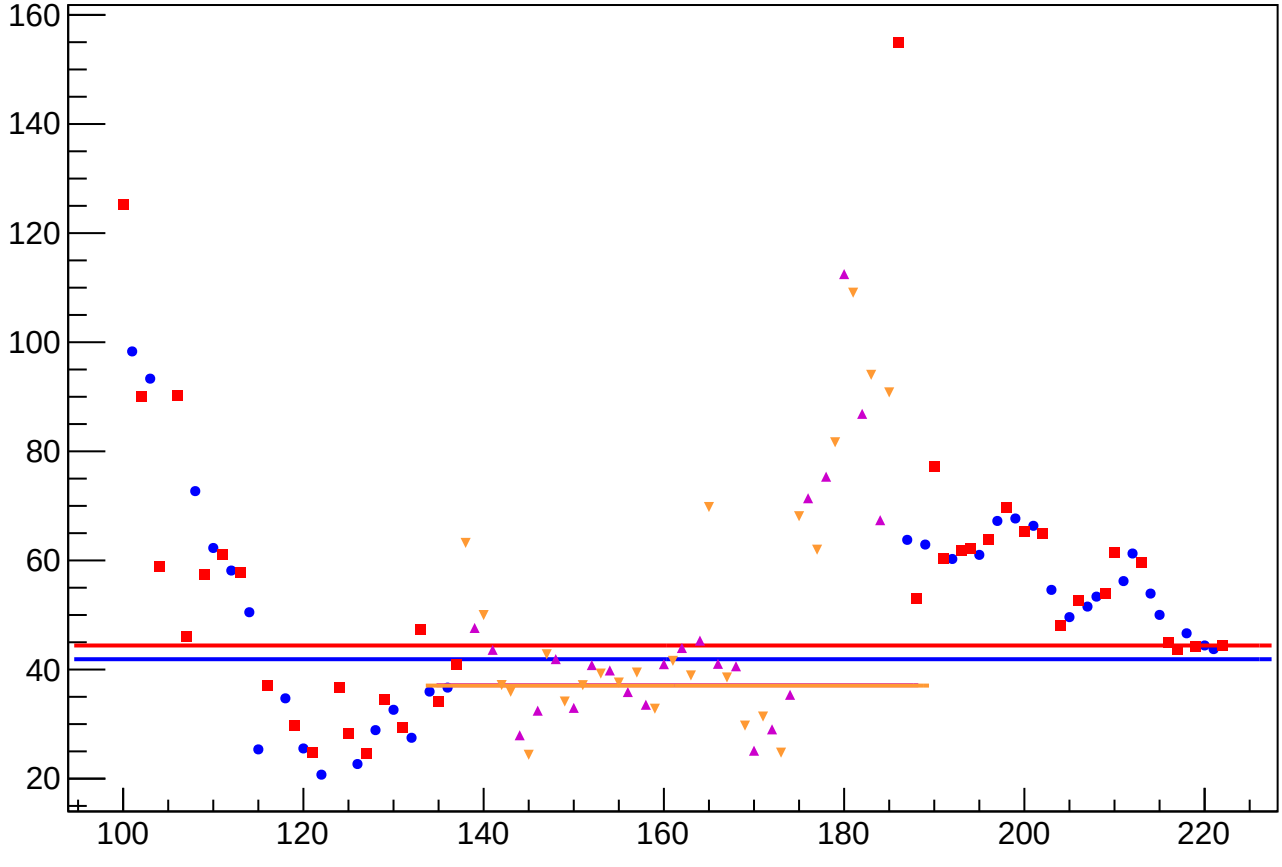
Right: -0.023+/-0.007 χ^2/NDF: 241.3/71

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.007+/-0.007 χ^2/NDF:220.3/62

All: -0.005+/-0.005 χ^2/NDF: 294.7/119

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: 44.409+/-0.007 χ^2/NDF: 4587240.7/37

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

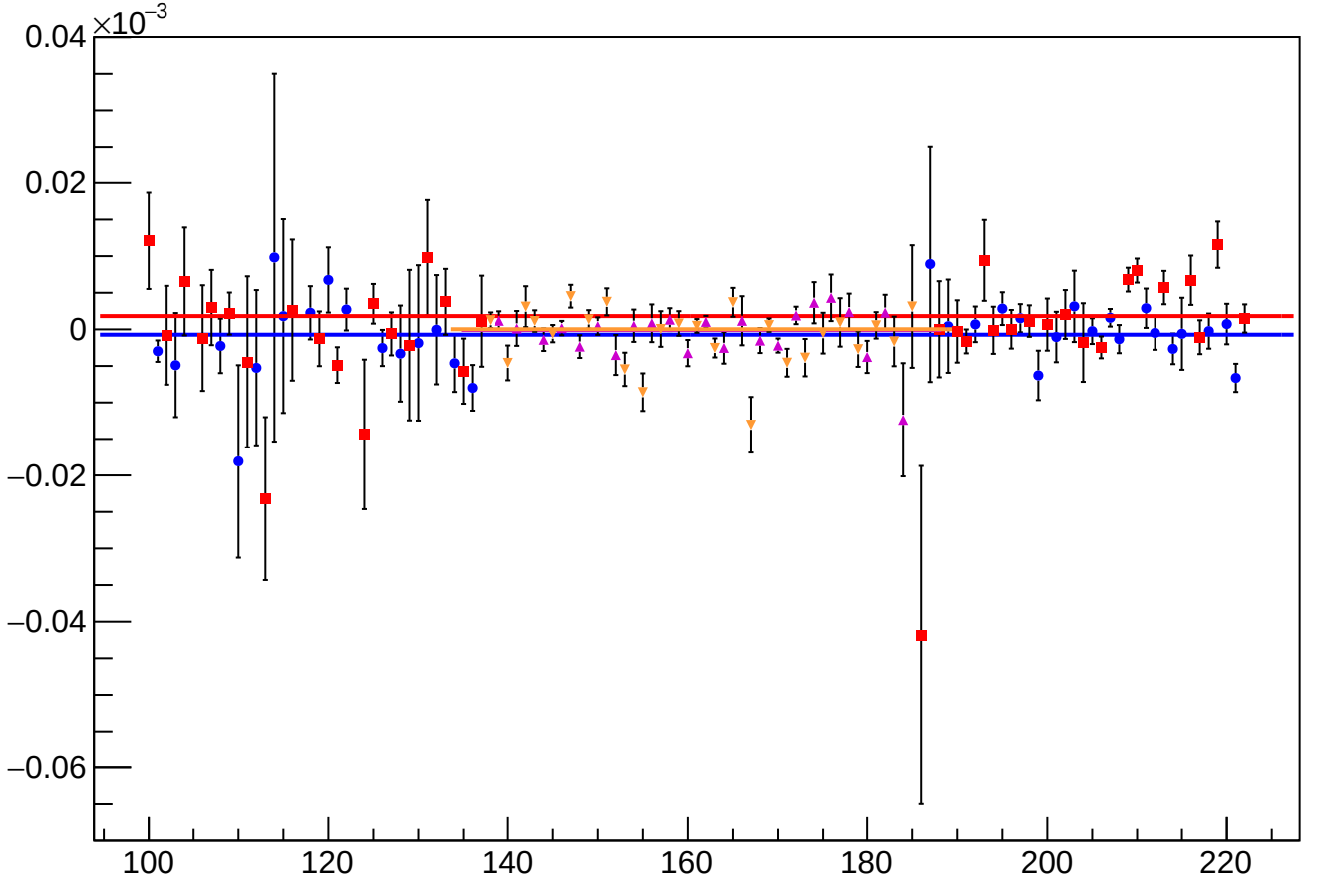
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.096+/-0.005 χ^2/NDF: 10012058.0/71

In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.375+/-0.005 χ^2/NDF:9226606.1/62

All: 39.908+/-0.003 χ^2/NDF: 17869541.5/119



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 84.4/37

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

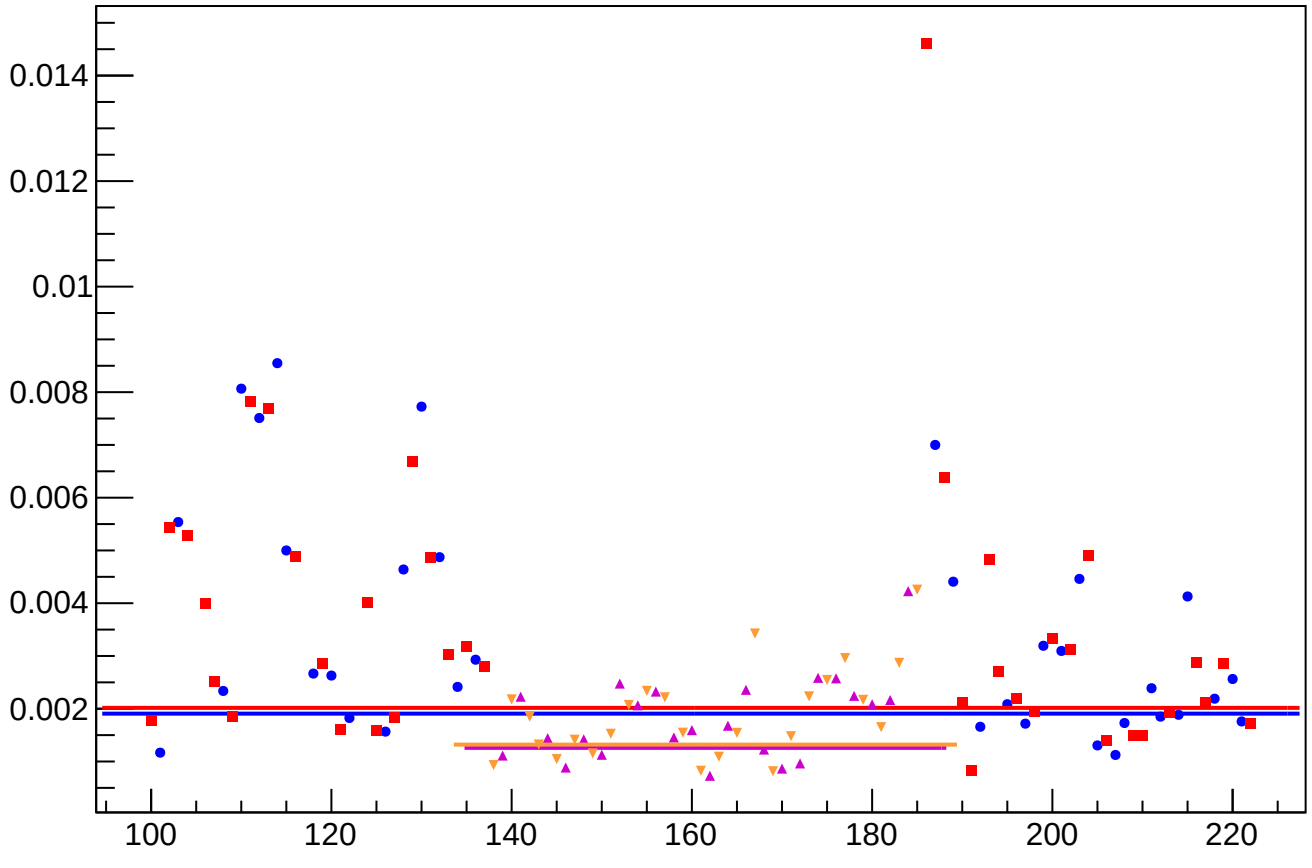
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 139.6/71

In: -0.000+/-0.000 χ^2/NDF:74.7/56

Out: 0.000+/-0.000 χ^2/NDF:161.1/62

All: 0.000+/-0.000 χ^2/NDF: 241.0/119



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: 8835965.2/37

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

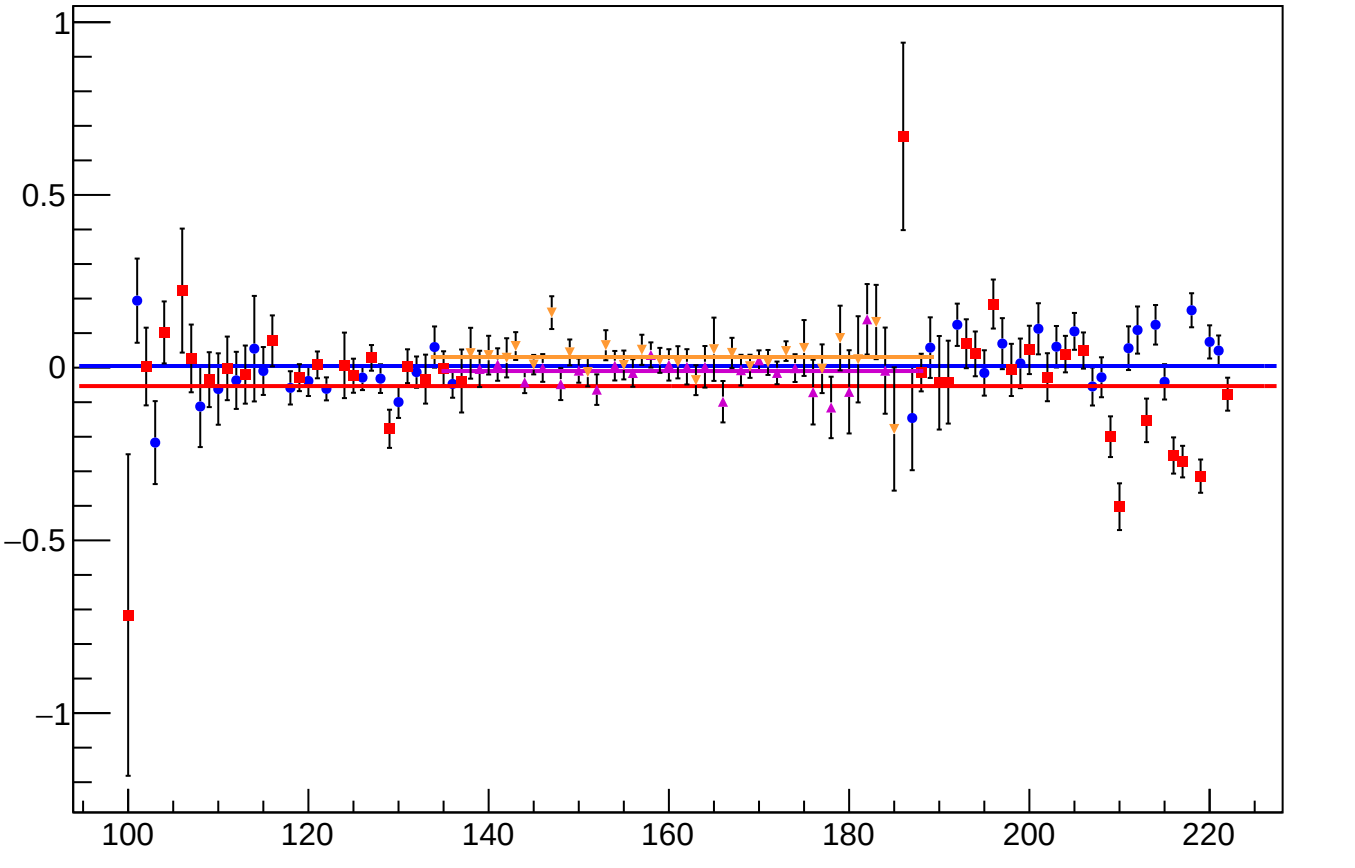
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 16241282.3/71

In: 0.001+/-0.000 χ^2/NDF:15290477.2/56

Out: 0.002+/-0.000 χ^2/NDF:17214632.4/62

All: 0.002+/-0.000 χ^2/NDF: 32561974.3/119



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: -0.053+/-0.010 χ^2/NDF: 164.1/37

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

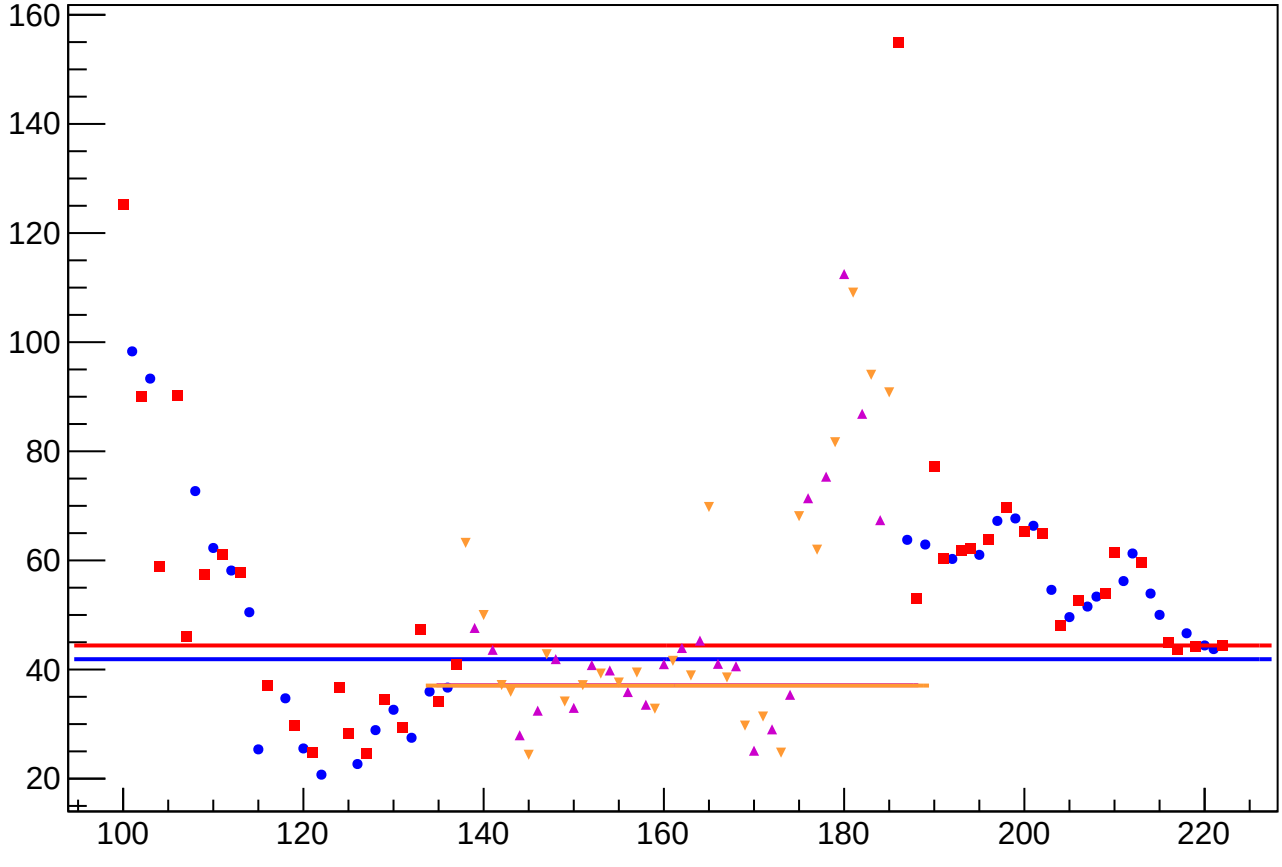
Right: -0.023+/-0.007 χ^2/NDF: 241.3/71

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.007+/-0.007 χ^2/NDF:220.3/62

All: -0.005+/-0.005 χ^2/NDF: 294.7/119

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: 44.409+/-0.007 χ^2/NDF: 4587022.3/37

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

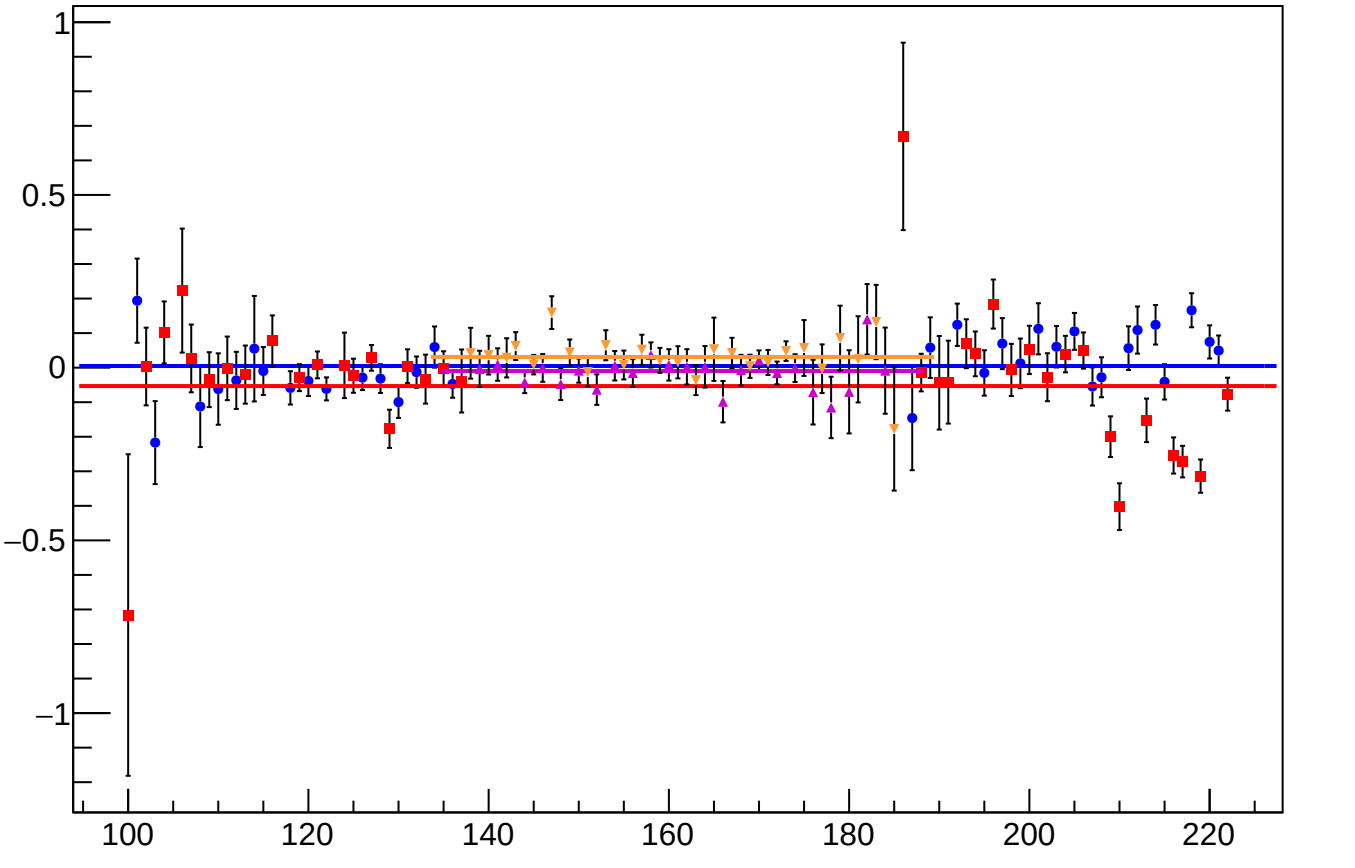
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.096+/-0.005 χ^2/NDF: 10011702.1/71

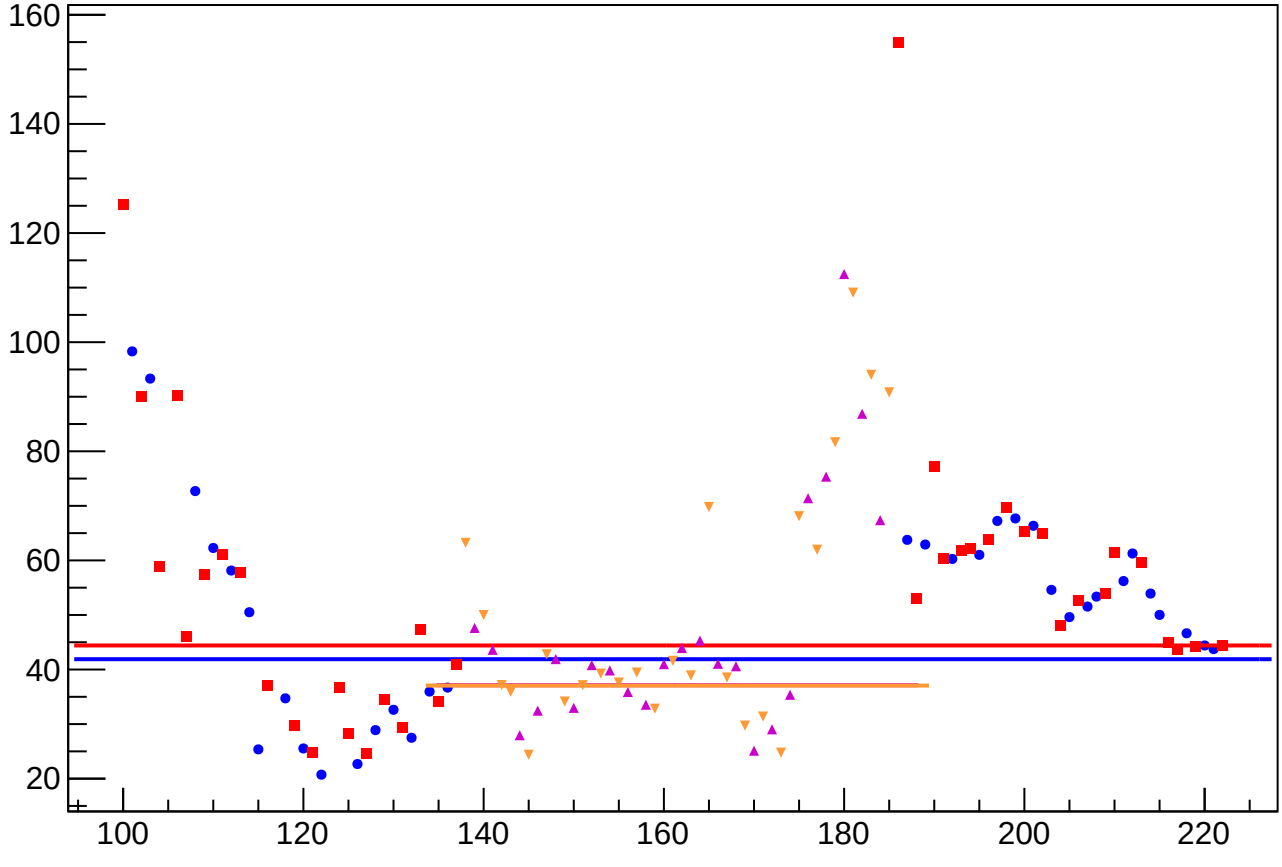
In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.375+/-0.005 χ^2/NDF:9226444.3/62

All: 39.908+/-0.003 χ^2/NDF: 17869243.6/119


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: 0.005+/-0.010 χ²/NDF: 59.8/33
Left Out: 0.031+/-0.009 χ²/NDF:17.8/24
Right Out: -0.053+/-0.010 χ²/NDF: 164.1/37
Left In: -0.010+/-0.009 χ²/NDF:13.2/22
Left: 0.011+/-0.007 χ²/NDF: 40.7/47
Right: -0.023+/-0.007 χ²/NDF: 241.3/71
In: -0.003+/-0.007 χ²/NDF:74.2/56
Out: -0.007+/-0.007 χ²/NDF:220.3/62
All: -0.005+/-0.005 χ²/NDF: 294.7/119

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: 44.409+/-0.007 χ^2/NDF: 4587022.3/37

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

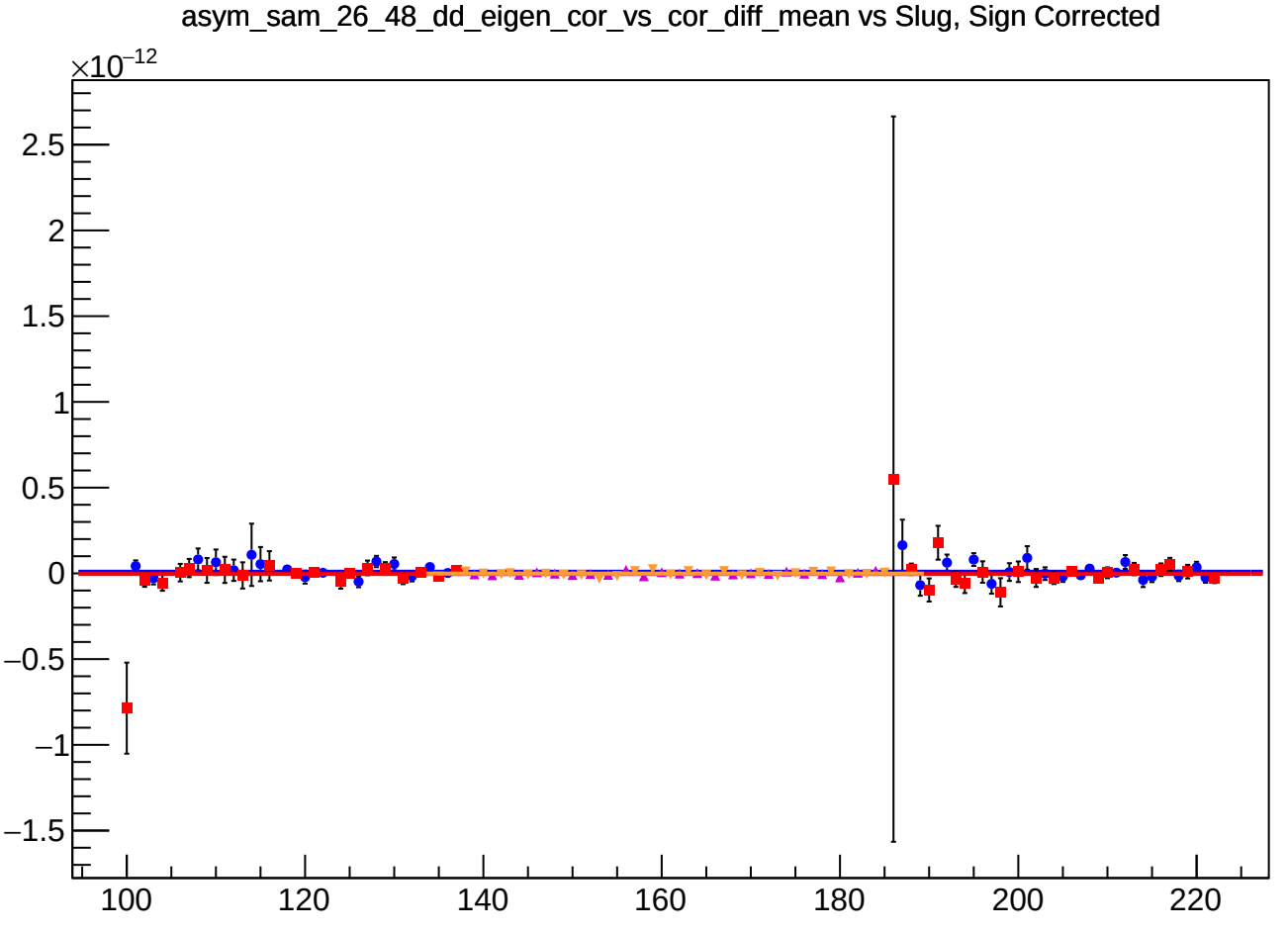
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.096+/-0.005 χ^2/NDF: 10011702.1/71

In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.375+/-0.005 χ^2/NDF:9226444.3/62

All: 39.908+/-0.003 χ^2/NDF: 17869243.6/119



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/37

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

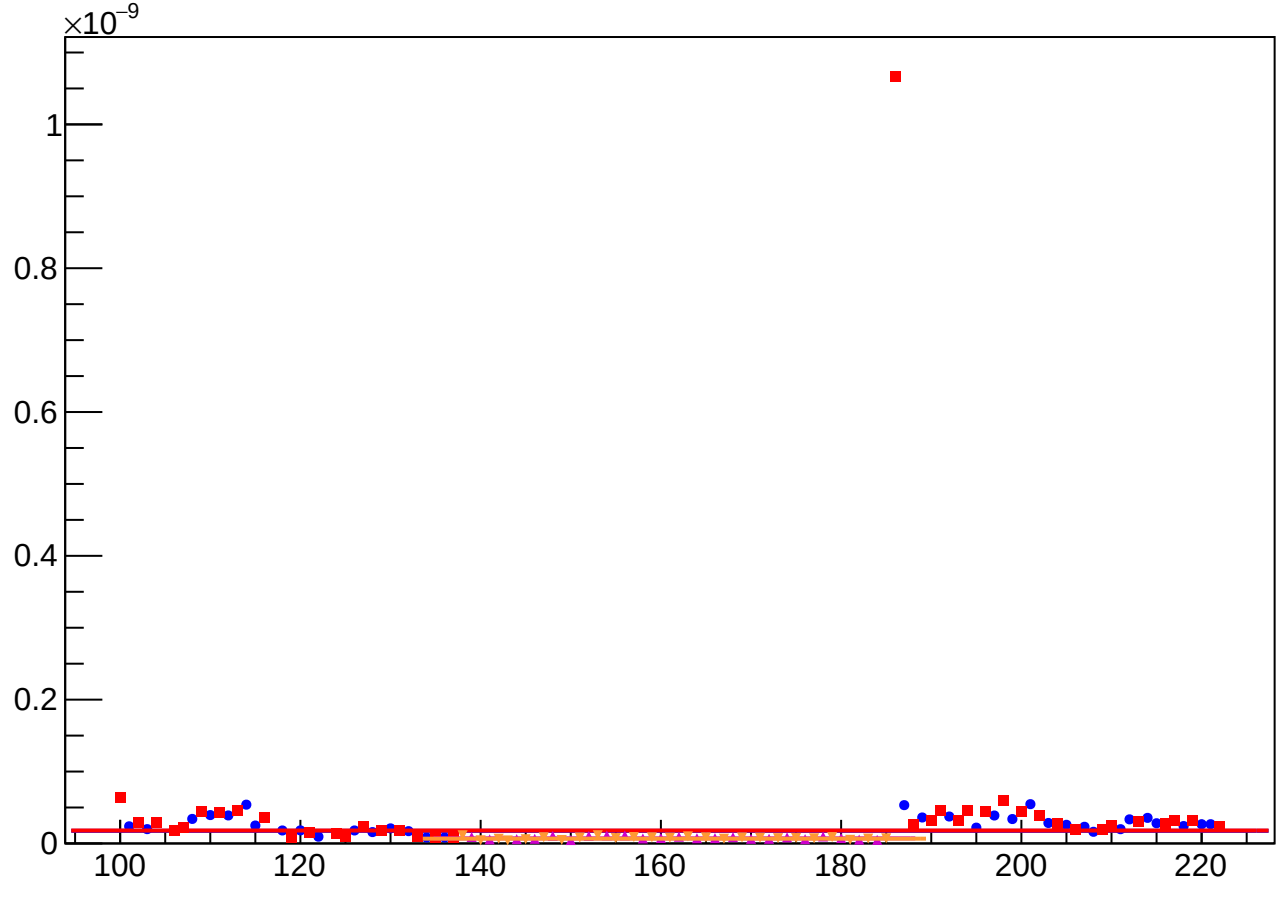
Right: 0.000+/-0.000 χ^2/NDF: 72.7/71

In: -0.000+/-0.000 χ^2/NDF:62.3/56

Out: -0.000+/-0.000 χ^2/NDF:59.3/62

All: -0.000+/-0.000 χ^2/NDF: 121.6/119

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: 8475462.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

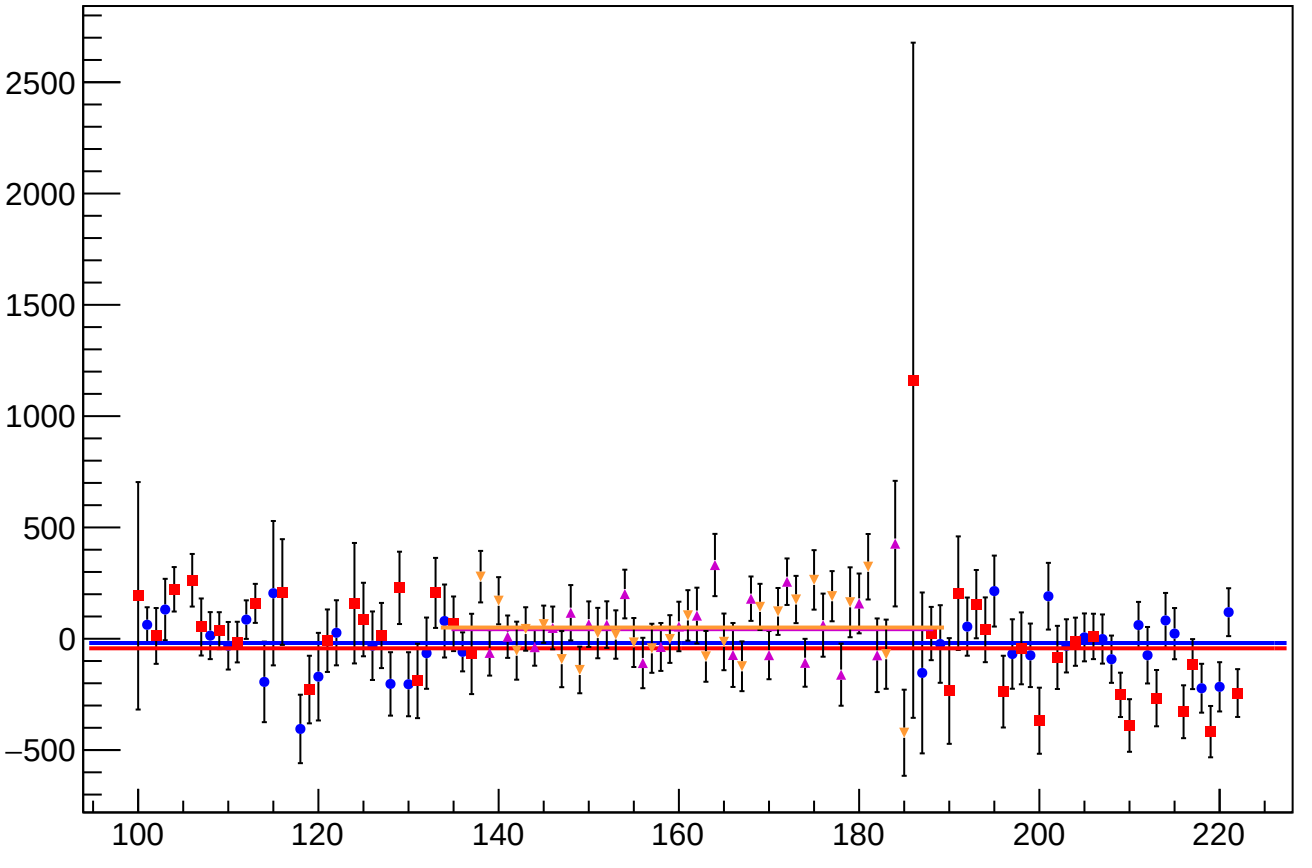
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15360027.7/71

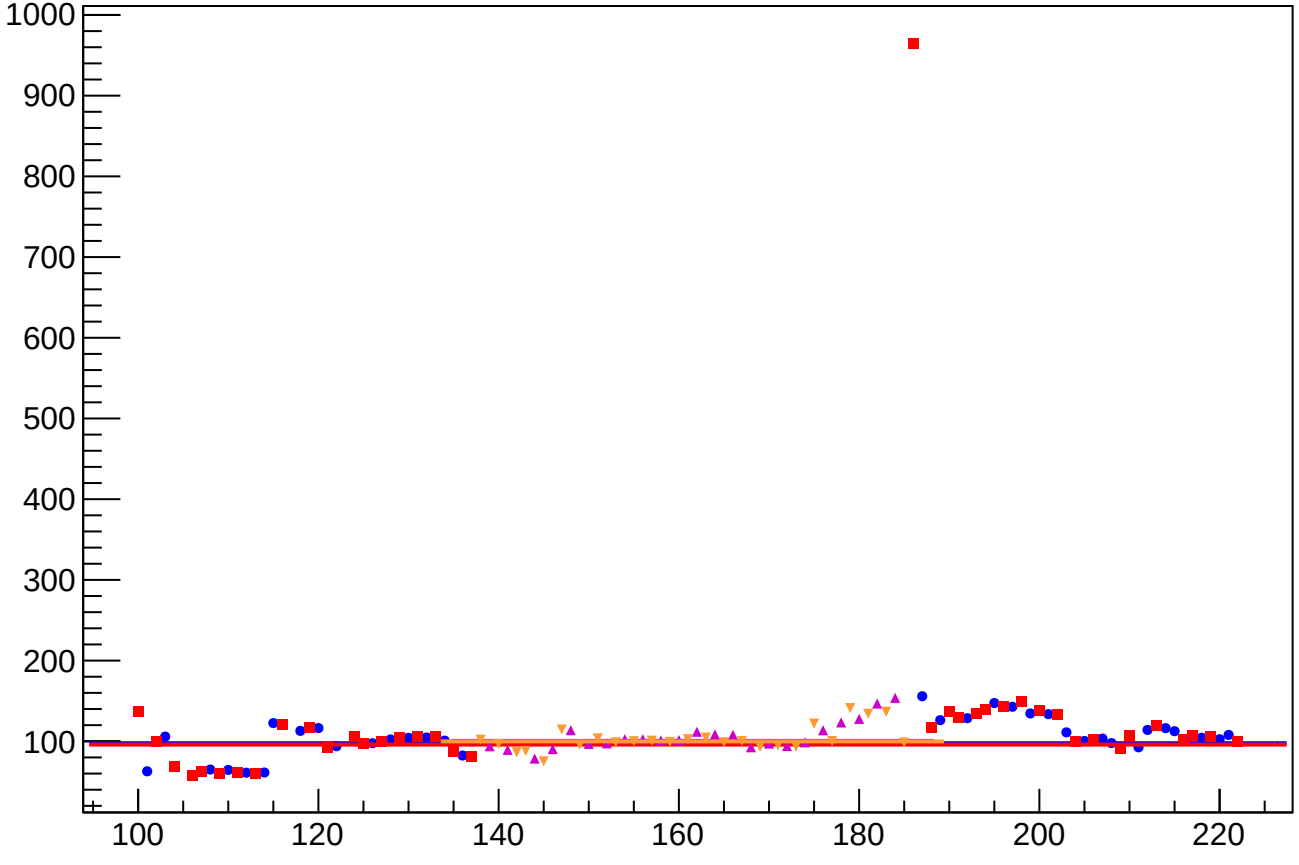
In: 0.000+/-0.000 χ^2/NDF:15541151.5/56

Out: 0.000+/-0.000 χ^2/NDF:18425084.1/62

All: 0.000+/-0.000 χ^2/NDF: 34063464.2/119


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: -42.989+/-21.274 χ²/NDF: 79.5/37
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.795+/-16.509 χ²/NDF: 60.1/47
Right: -31.151+/-15.106 χ²/NDF: 111.6/71
In: 8.800+/-15.923 χ²/NDF:61.8/56
Out: 0.116+/-15.604 χ²/NDF:121.8/62
All: 4.370+/-11.145 χ²/NDF: 183.8/119

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: 95.938+/-0.015 χ^2/NDF: 3588025.2/37

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

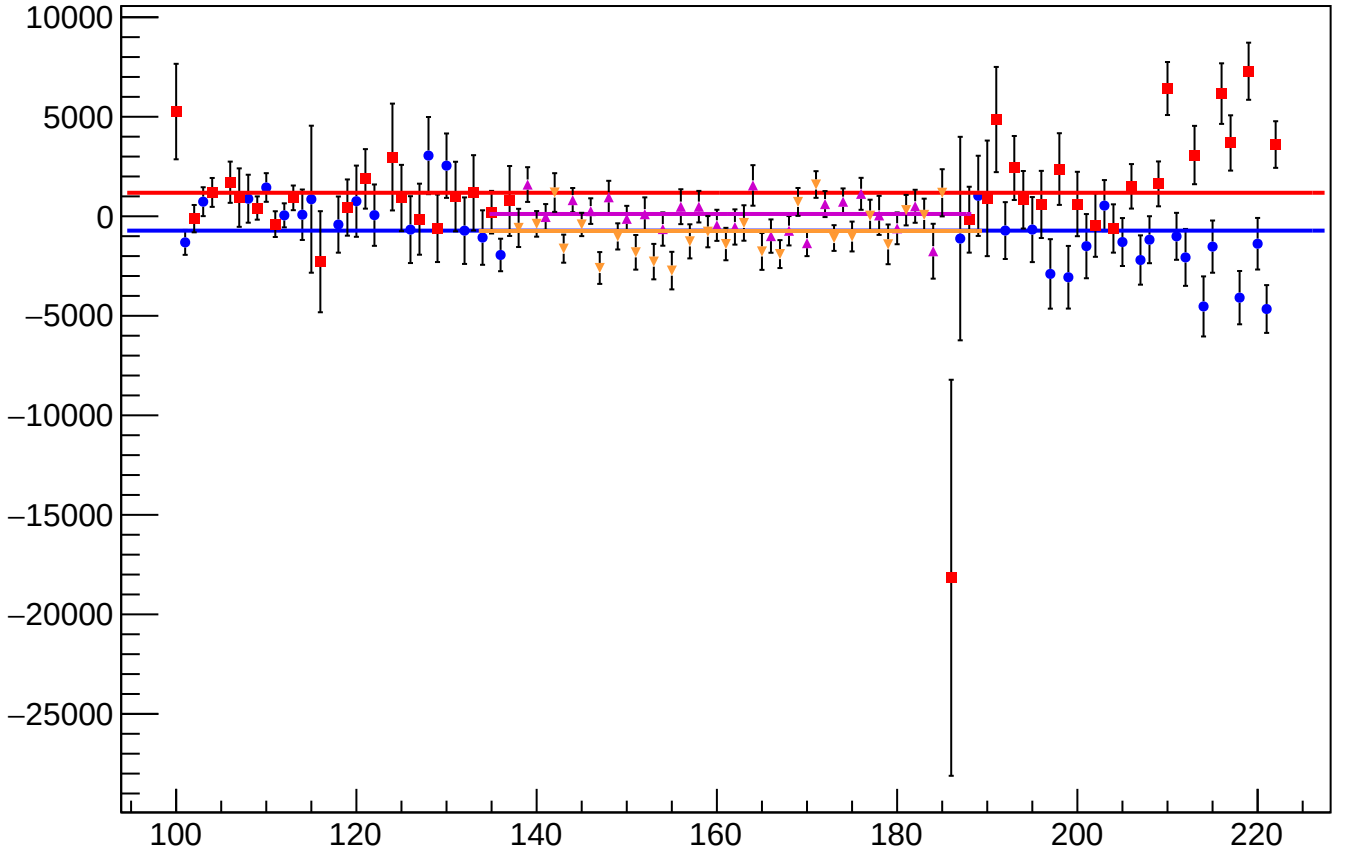
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 96.781+/-0.011 χ^2/NDF: 5944430.9/71

In: 98.923+/-0.011 χ^2/NDF:3022876.8/56

Out: 97.740+/-0.011 χ^2/NDF:4316858.9/62

All: 98.320+/-0.008 χ^2/NDF: 7345364.5/119



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: 1181.292+/-196.202 χ^2/NDF: 84.7/37

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

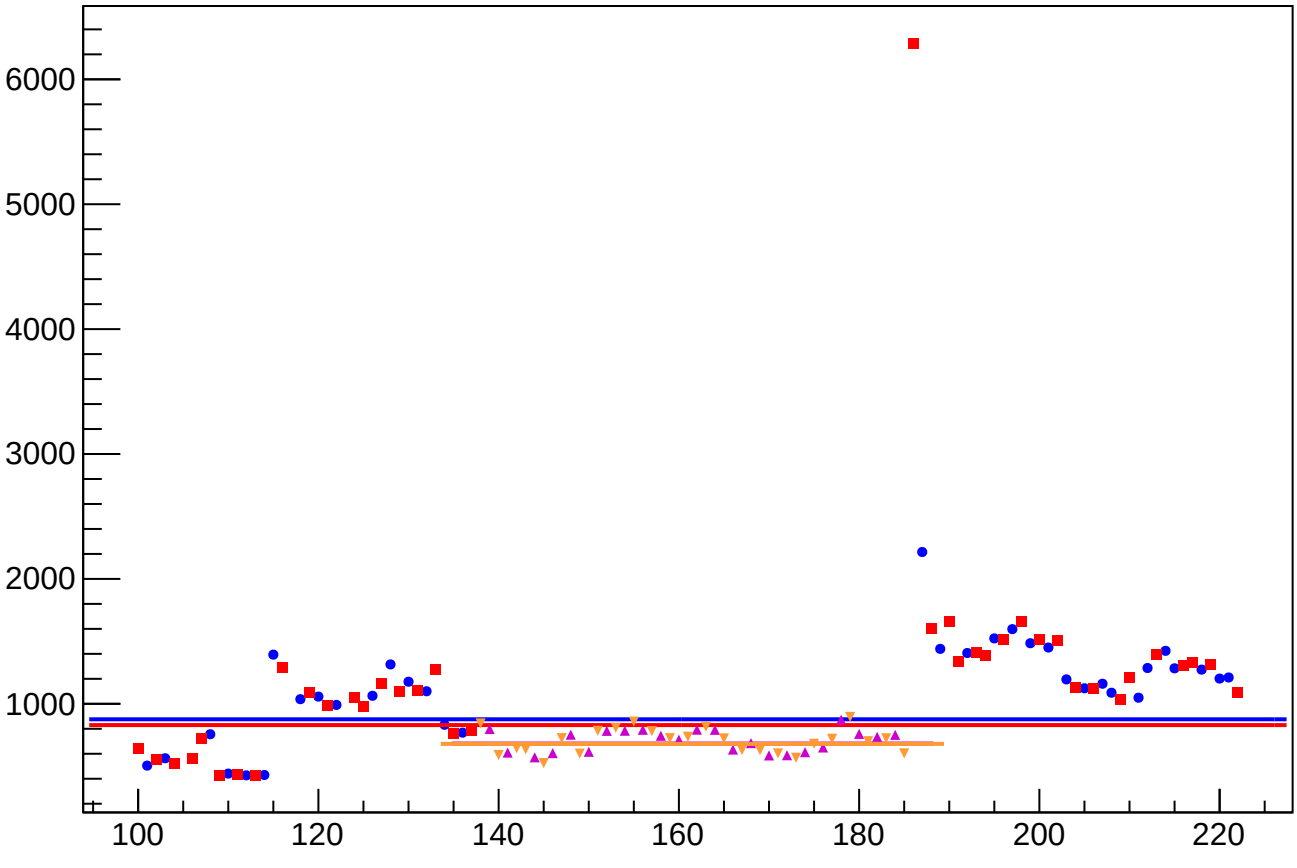
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 265.041+/-141.245 χ^2/NDF: 191.6/71

In: -206.272+/-126.258 χ^2/NDF:95.8/56

Out: 6.978+/-122.256 χ^2/NDF:192.9/62

All: -96.214+/-87.829 χ^2/NDF: 290.1/119



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: 829.671+/-0.139 χ^2/NDF: 8759974.8/37

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

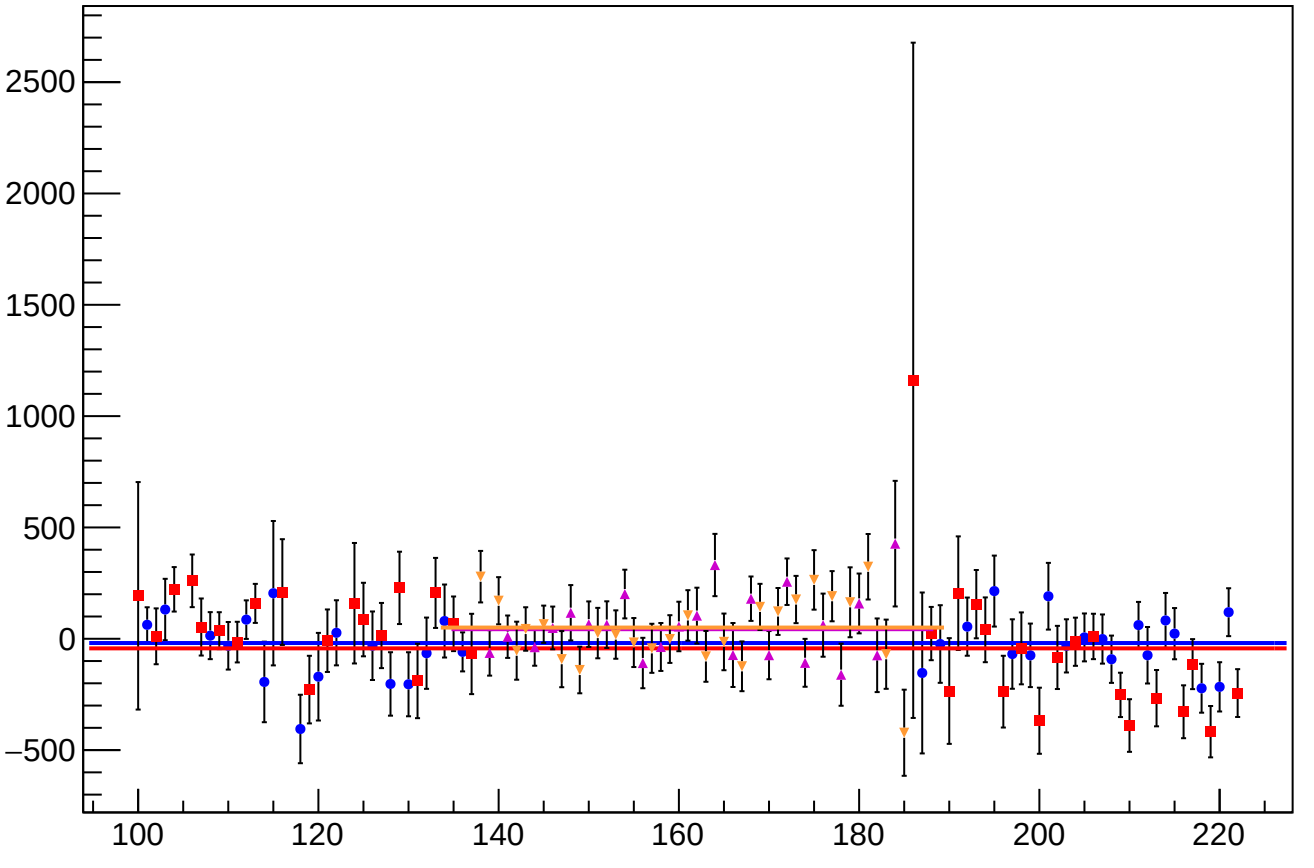
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 852.002+/-0.100 χ^2/NDF: 15636751.0/71

In: 756.622+/-0.089 χ^2/NDF:8516293.0/56

Out: 737.590+/-0.086 χ^2/NDF:10217501.1/62

All: 746.800+/-0.062 χ^2/NDF: 18757247.7/11



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: -43.126+/-21.275 χ^2/NDF: 79.3/37

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

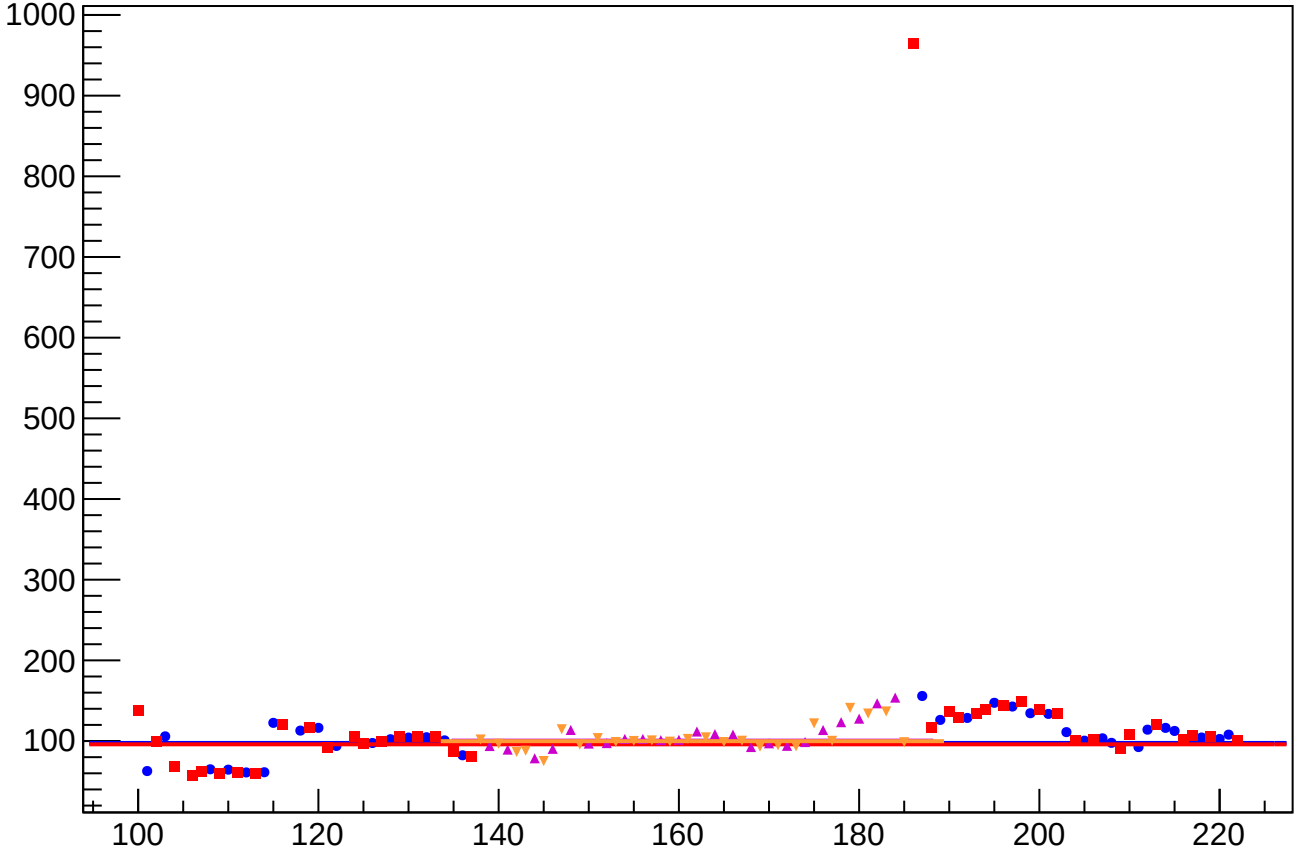
Right: -31.221+/-15.107 χ^2/NDF: 111.4/71

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: 0.048+/-15.605 χ^2/NDF:121.7/62

All: 4.335+/-11.145 χ^2/NDF: 183.7/119

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: 95.930+/-0.015 χ^2/NDF: 3591546.6/37

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

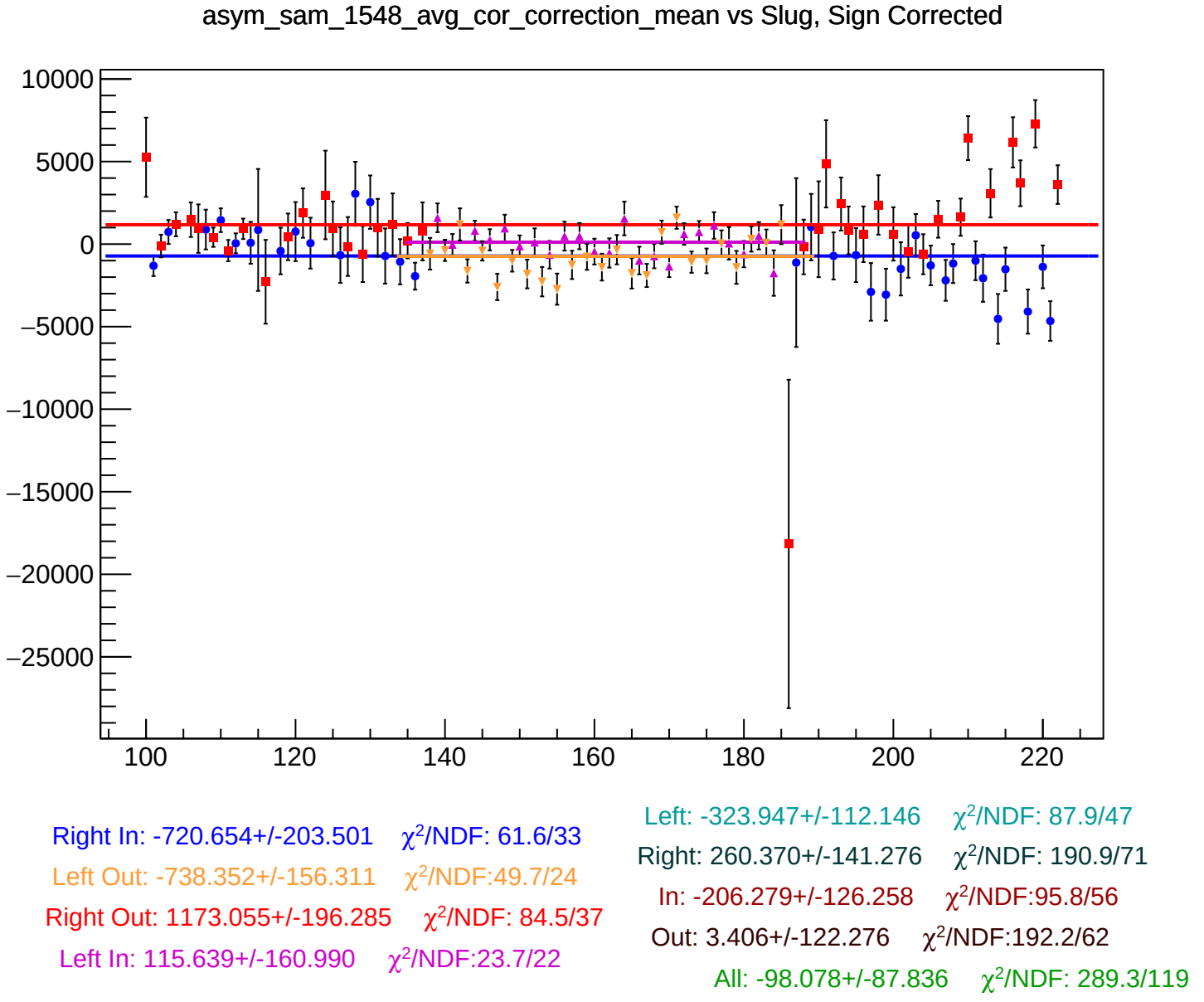
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.777+/-0.011 χ^2/NDF: 5948015.3/71

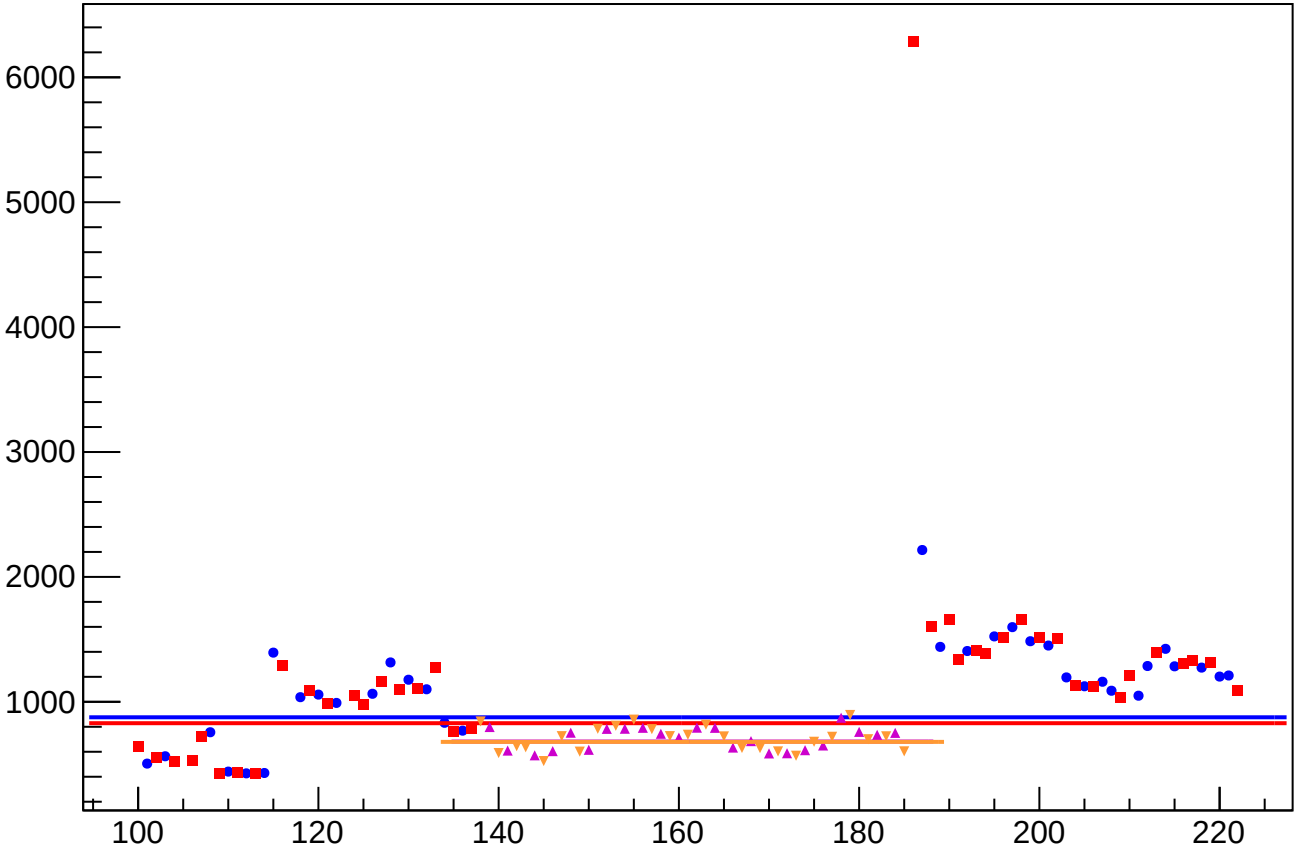
In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 97.736+/-0.011 χ^2/NDF:4320512.1/62

All: 98.317+/-0.008 χ^2/NDF: 7349060.7/119


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -720.654+/-203.501 χ²/NDF: 61.6/33
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 1173.055+/-196.285 χ²/NDF: 84.5/37
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 260.370+/-141.276 χ²/NDF: 190.9/71
In: -206.279+/-126.258 χ²/NDF:95.8/56
Out: 3.406+/-122.276 χ²/NDF:192.2/62
All: -98.078+/-87.836 χ²/NDF: 289.3/119

asym_sam_1548_avg_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: 828.726+/-0.139 χ^2/NDF: 8791461.9/37

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

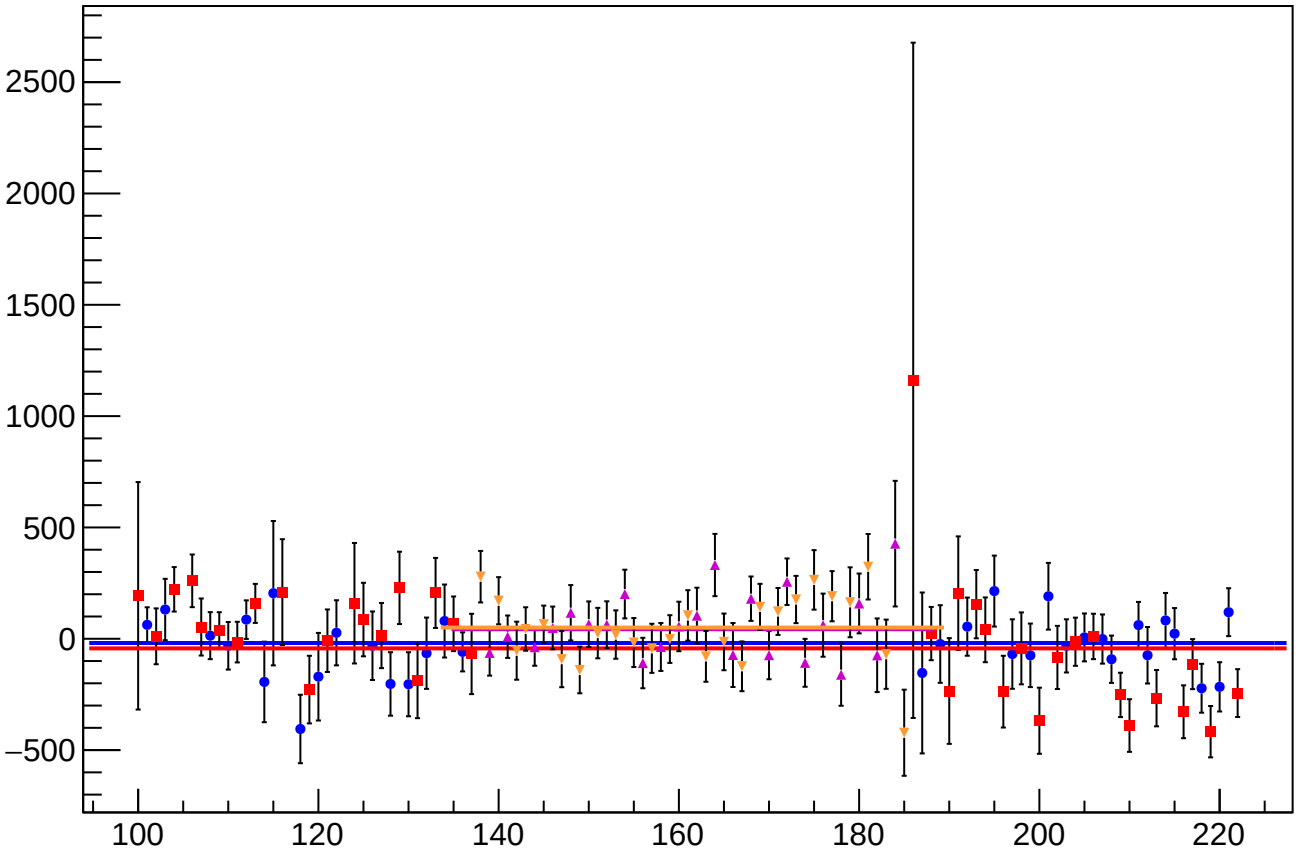
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 851.527+/-0.100 χ^2/NDF: 15670245.0/71

In: 756.625+/-0.089 χ^2/NDF:8516183.7/56

Out: 737.194+/-0.086 χ^2/NDF:10239611.6/62

All: 746.598+/-0.062 χ^2/NDF: 18780240.0/11



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: -43.126+/-21.275 χ^2/NDF: 79.3/37

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

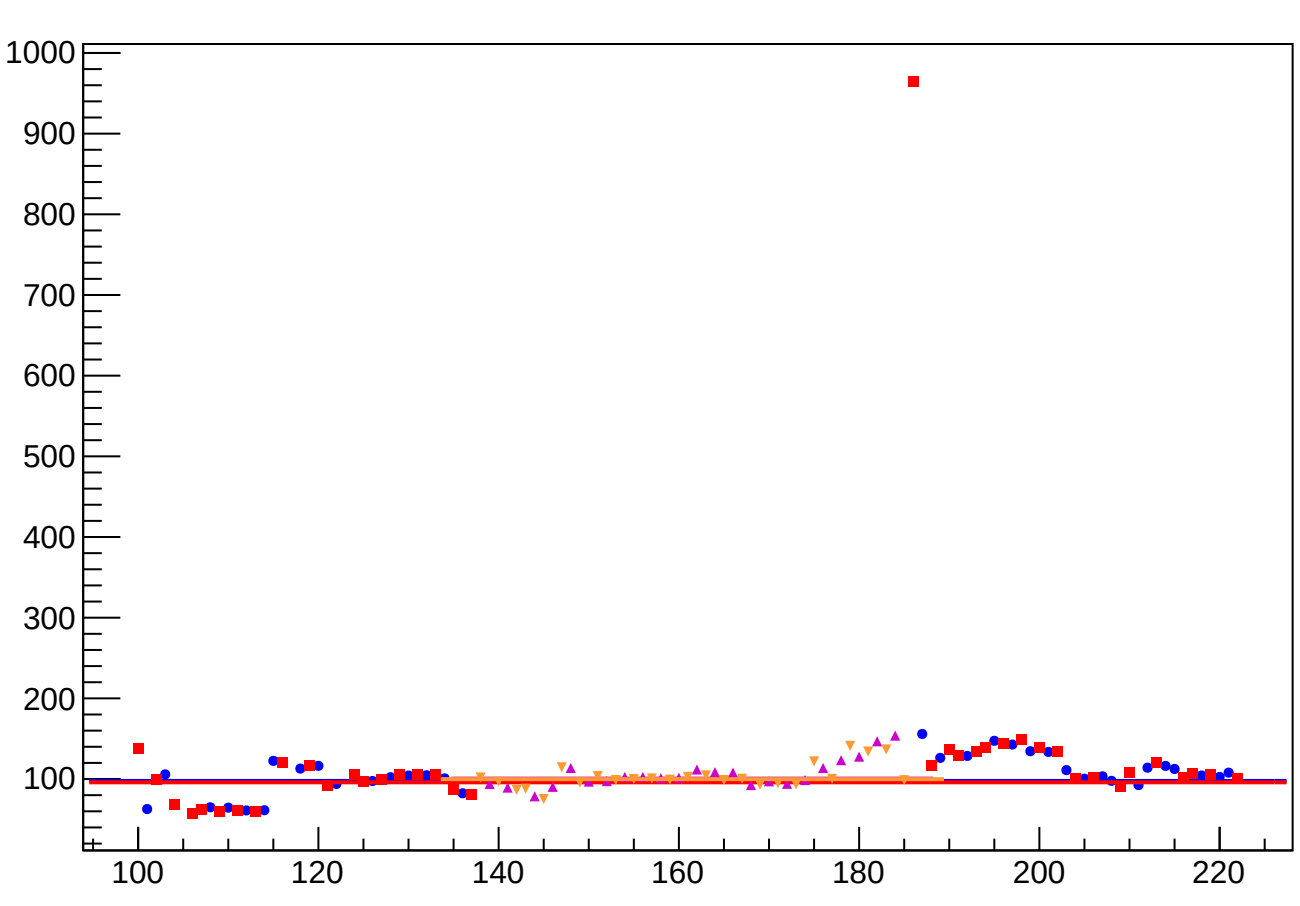
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -31.221+/-15.107 χ^2/NDF: 111.4/71

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: 0.048+/-15.605 χ^2/NDF:121.7/62

All: 4.335+/-11.145 χ^2/NDF: 183.7/119



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: 95.930+/-0.015 χ^2/NDF: 3591546.6/37

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

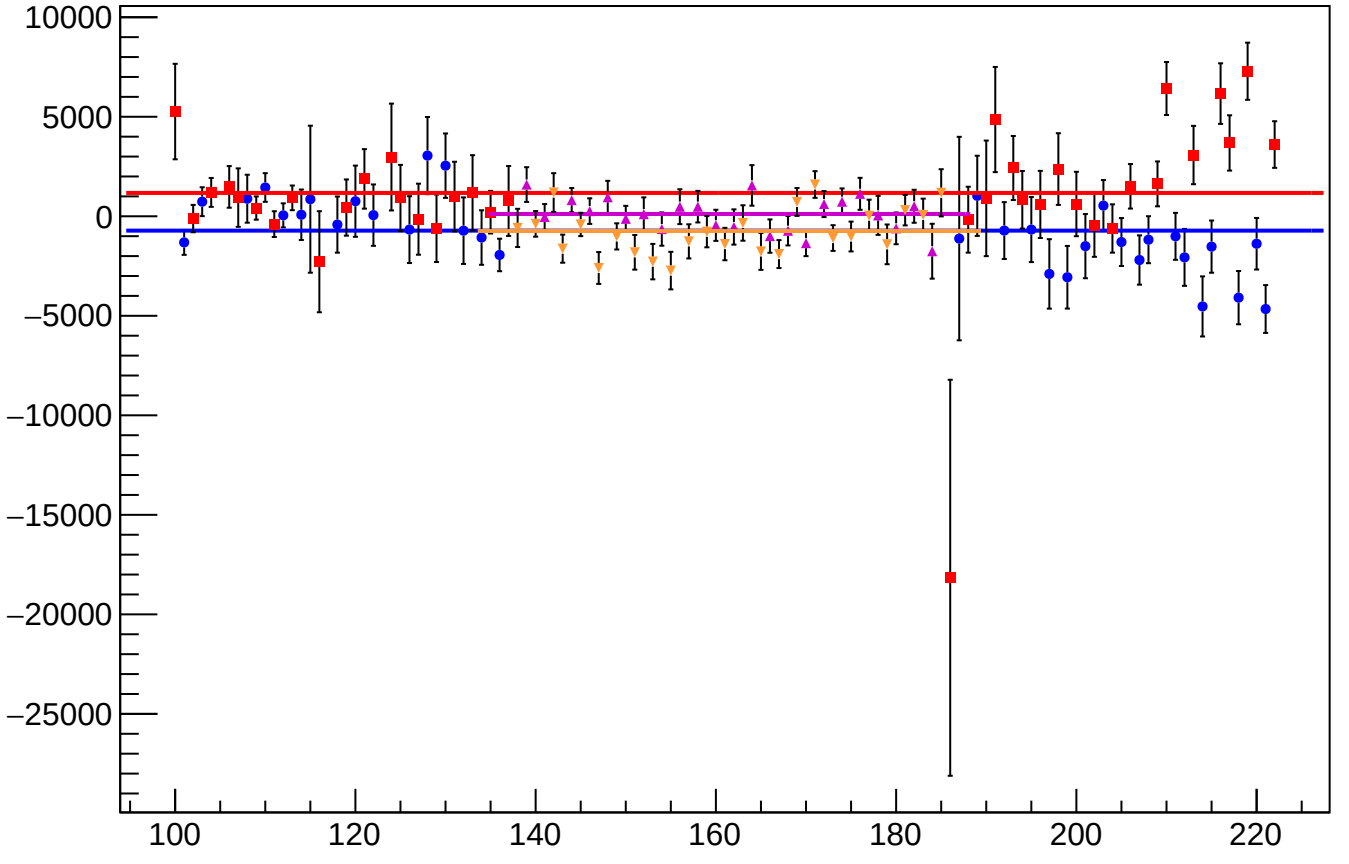
Right: 96.777+/-0.011 χ^2/NDF: 5948015.3/71

In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 97.736+/-0.011 χ^2/NDF:4320512.1/62

All: 98.317+/-0.008 χ^2/NDF: 7349060.7/119

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -720.654+/-203.501 χ^2/NDF: 61.6/33

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 1173.055+/-196.285 χ^2/NDF: 84.5/37

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

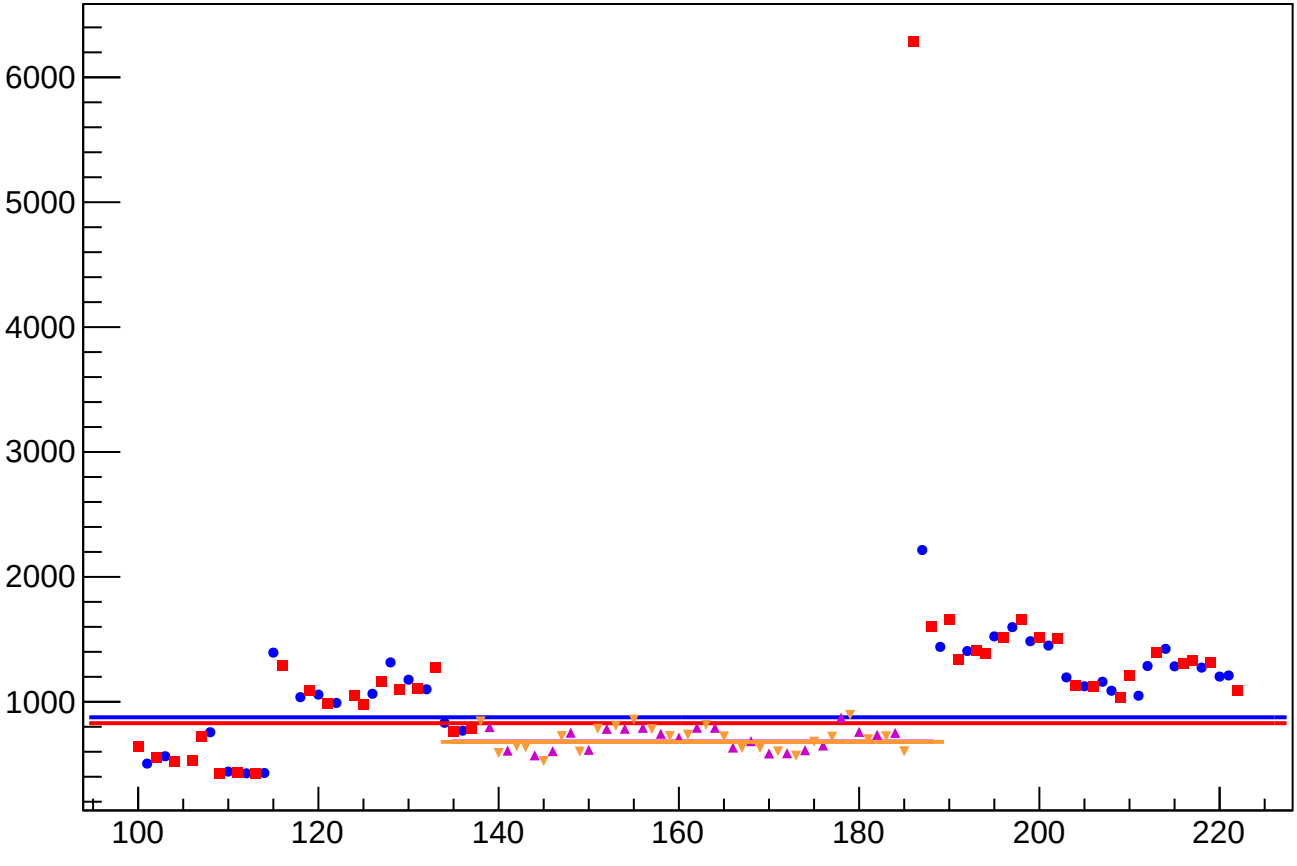
Right: 260.370+/-141.276 χ^2/NDF: 190.9/71

In: -206.279+/-126.258 χ^2/NDF:95.8/56

Out: 3.406+/-122.276 χ^2/NDF:192.2/62

All: -98.078+/-87.836 χ^2/NDF: 289.3/119

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: 828.726+/-0.139 χ^2/NDF: 8791461.9/37

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

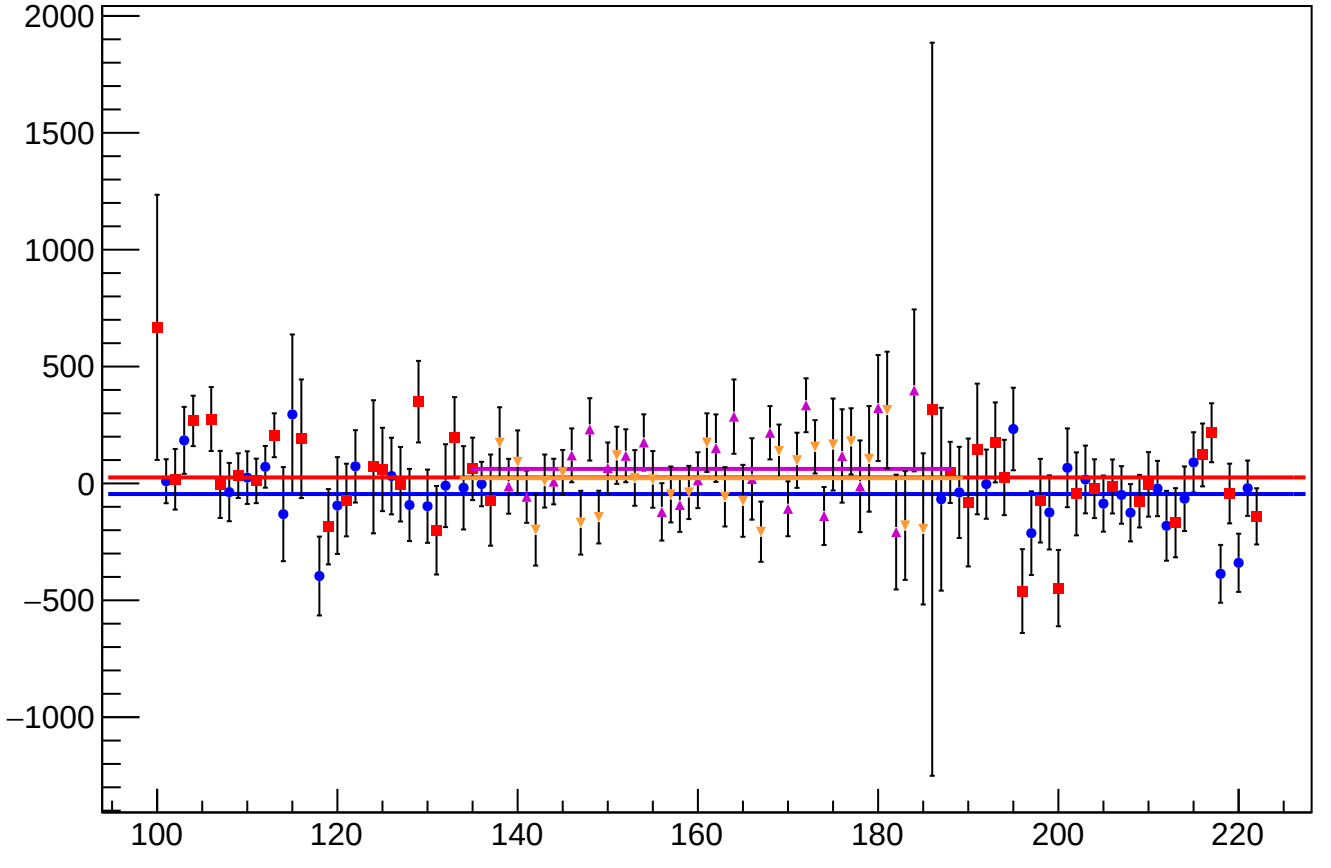
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 851.527+/-0.100 χ^2/NDF: 15670245.0/71

In: 756.625+/-0.089 χ^2/NDF:8516183.7/56

Out: 737.194+/-0.086 χ^2/NDF:10239611.6/62

All: 746.598+/-0.062 χ^2/NDF: 18780240.0/11



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: 25.671+/-23.618 χ^2/NDF: 47.5/37

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

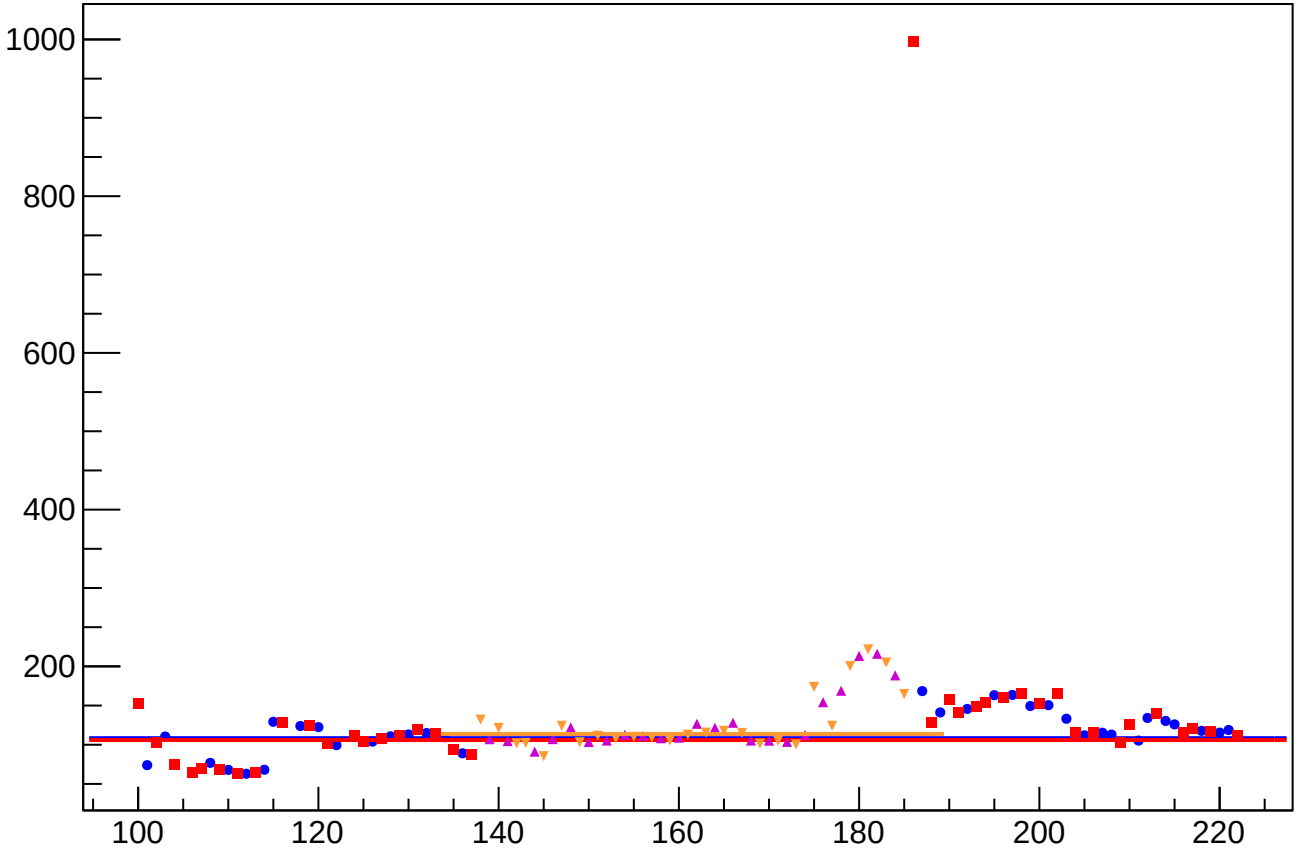
Right: -9.455+/-16.792 χ^2/NDF: 83.9/71

In: 1.173+/-17.985 χ^2/NDF:68.0/56

Out: 24.294+/-17.674 χ^2/NDF:69.1/62

All: 12.935+/-12.606 χ^2/NDF: 138.0/119

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: 105.991+/-0.017 χ^2/NDF: 3827239.1/37

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

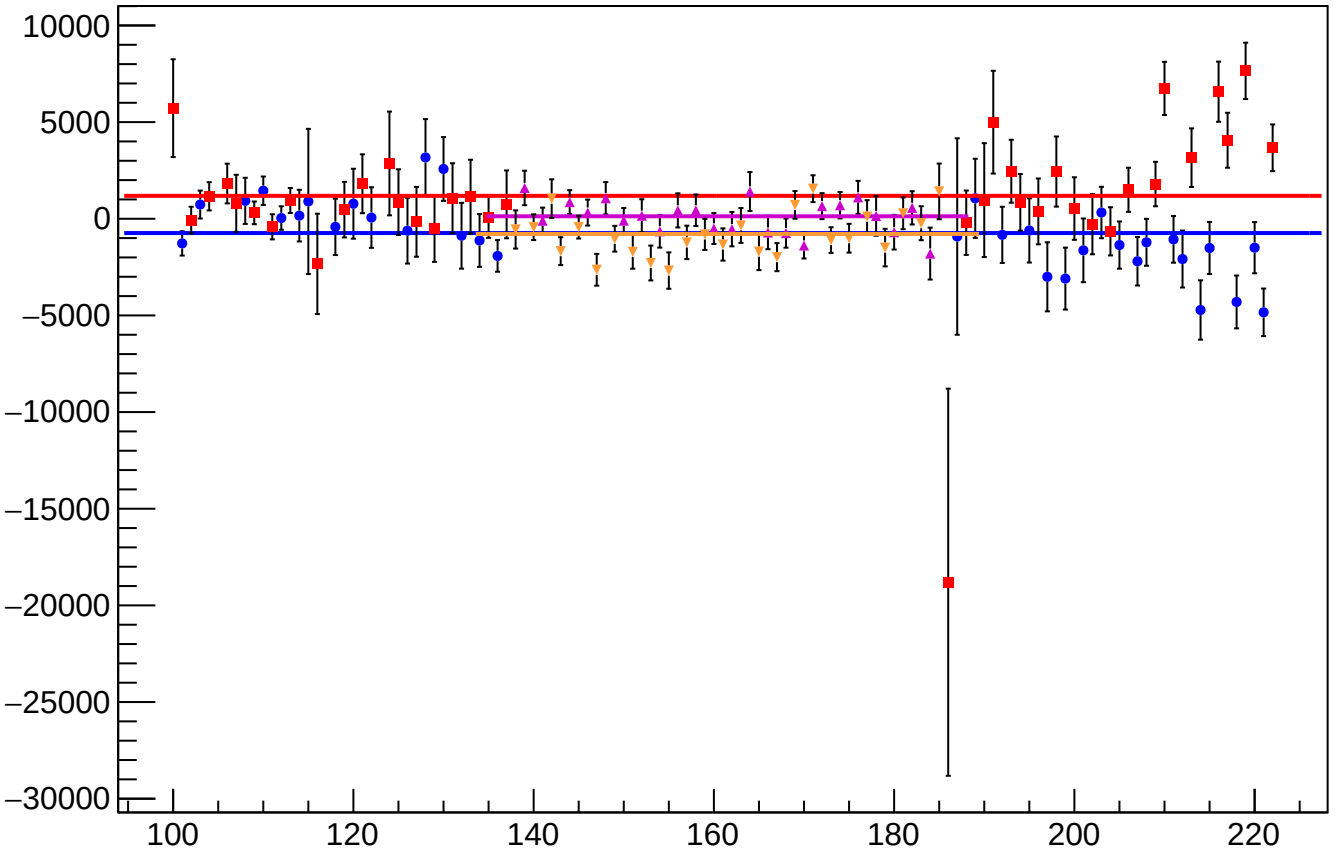
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 107.153+/-0.012 χ^2/NDF: 6342292.1/71

In: 110.650+/-0.013 χ^2/NDF:3864544.3/56

Out: 109.412+/-0.012 χ^2/NDF:5502533.2/62

All: 110.020+/-0.009 χ^2/NDF: 9371893.1/119



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: 1185.326+/-198.834 χ^2/NDF: 90.5/37

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

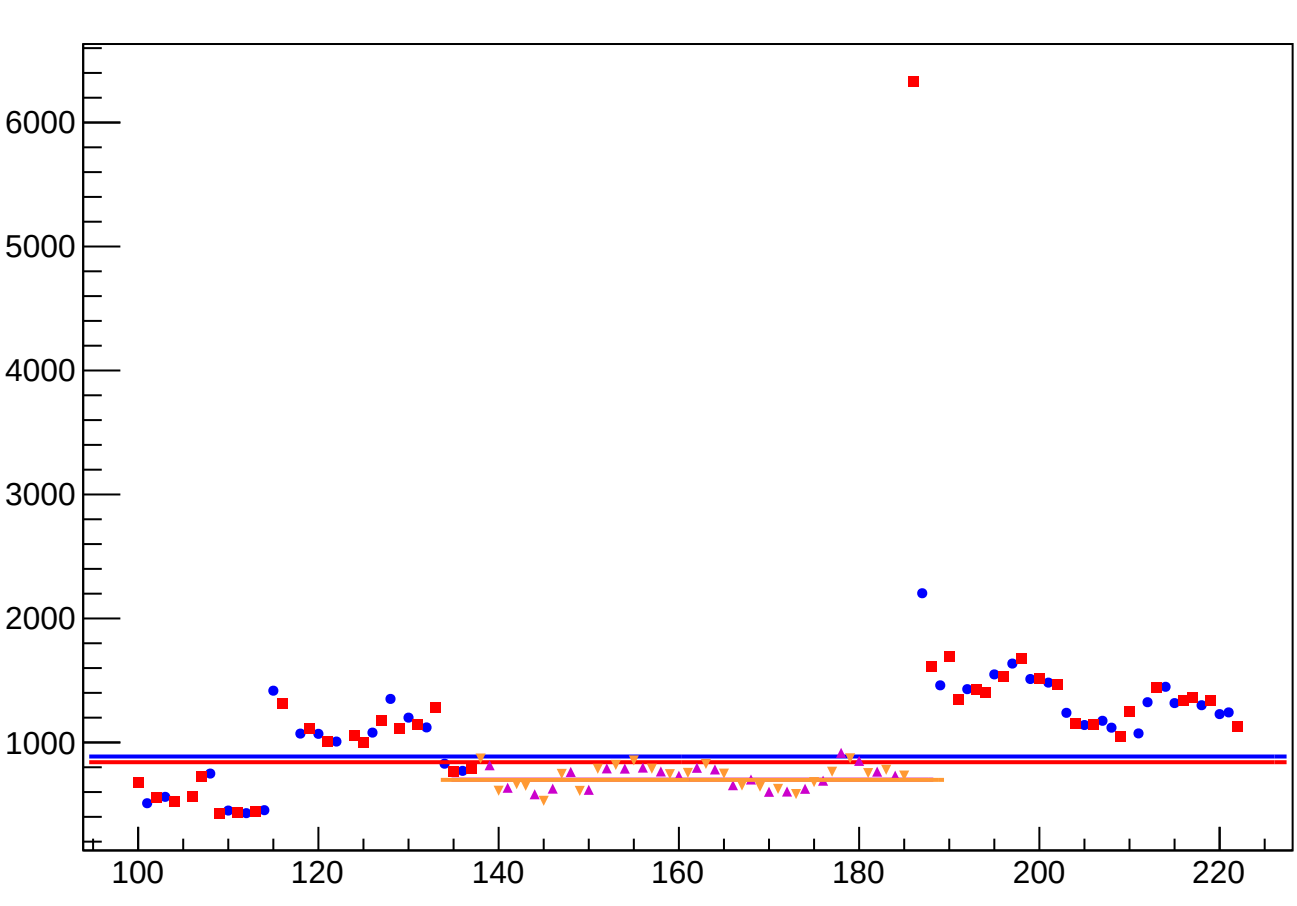
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 258.765+/-143.176 χ^2/NDF: 198.1/71

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: -7.343+/-124.881 χ^2/NDF:195.3/62

All: -105.746+/-89.720 χ^2/NDF: 292.6/119



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: 840.716+/-0.141 χ^2/NDF: 8798623.9/37

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

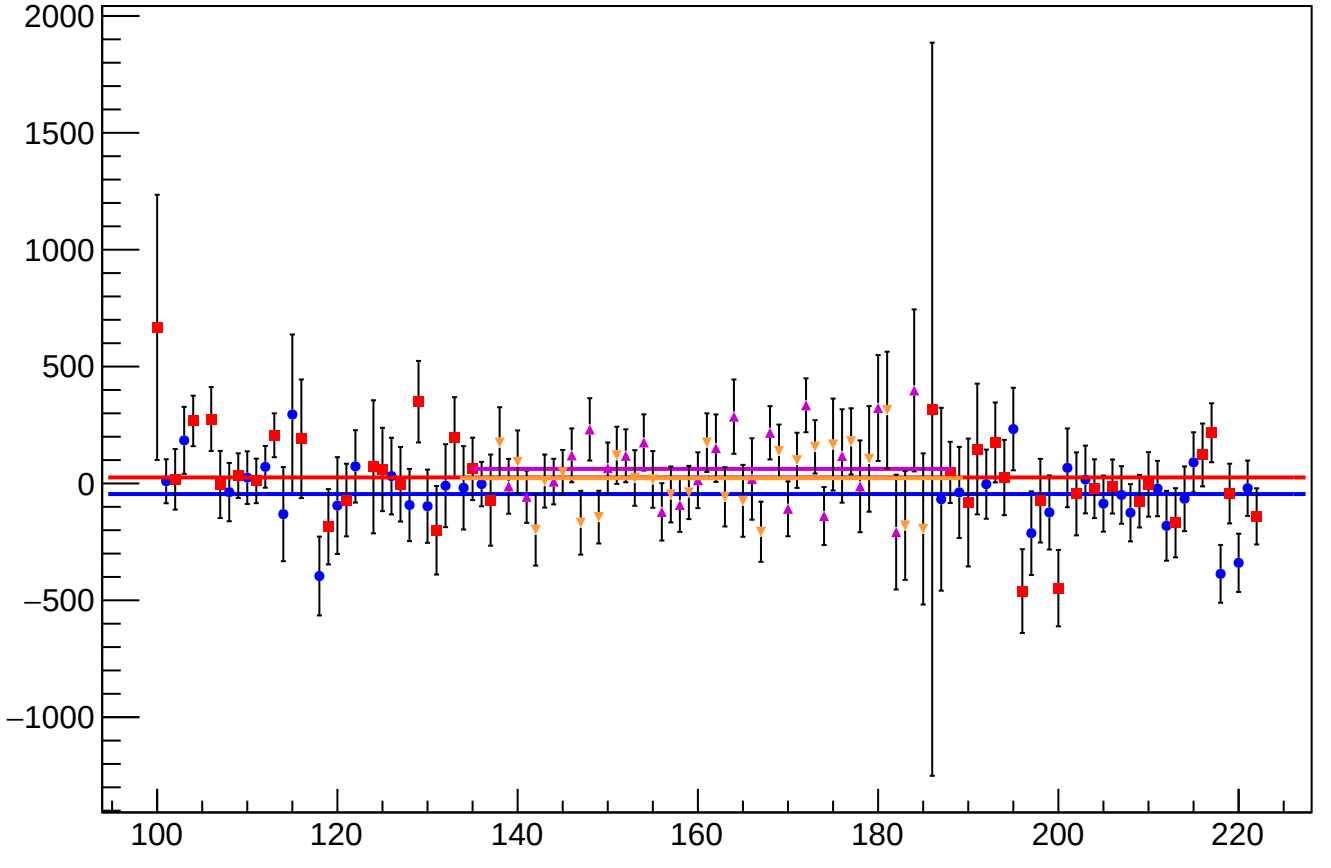
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 862.839+/-0.101 χ^2/NDF: 15831245.9/71

In: 772.992+/-0.091 χ^2/NDF:8561829.6/56

Out: 754.440+/-0.088 χ^2/NDF:10135168.3/62

All: 763.416+/-0.063 χ^2/NDF: 18718353.0/1



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: 25.669+/-23.618 χ^2/NDF: 47.5/37

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

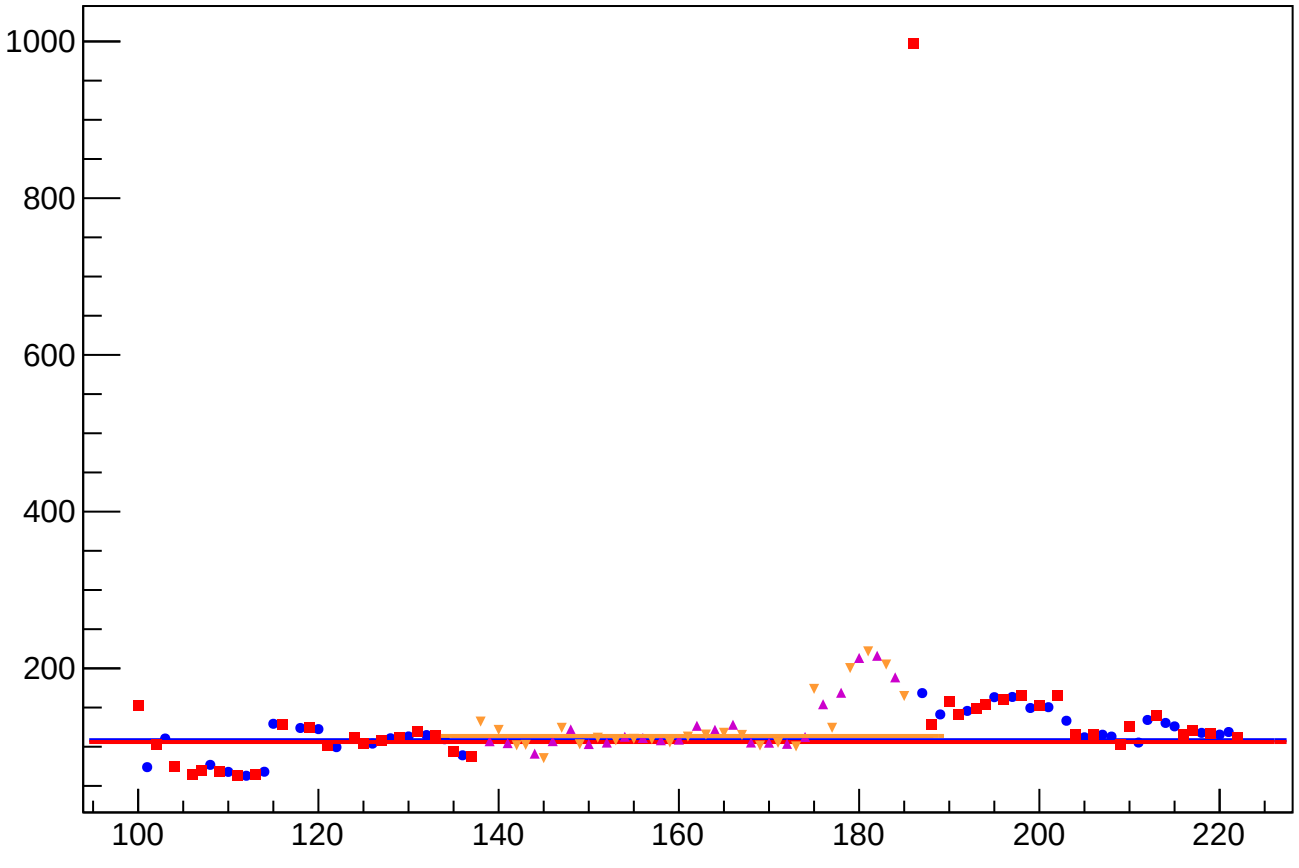
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: -9.456+/-16.792 χ^2/NDF: 83.9/71

In: 1.174+/-17.985 χ^2/NDF:68.0/56

Out: 24.294+/-17.674 χ^2/NDF:69.1/62

All: 12.935+/-12.606 χ^2/NDF: 138.0/119



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: 105.991+/-0.017 χ^2/NDF: 3827234.1/37

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

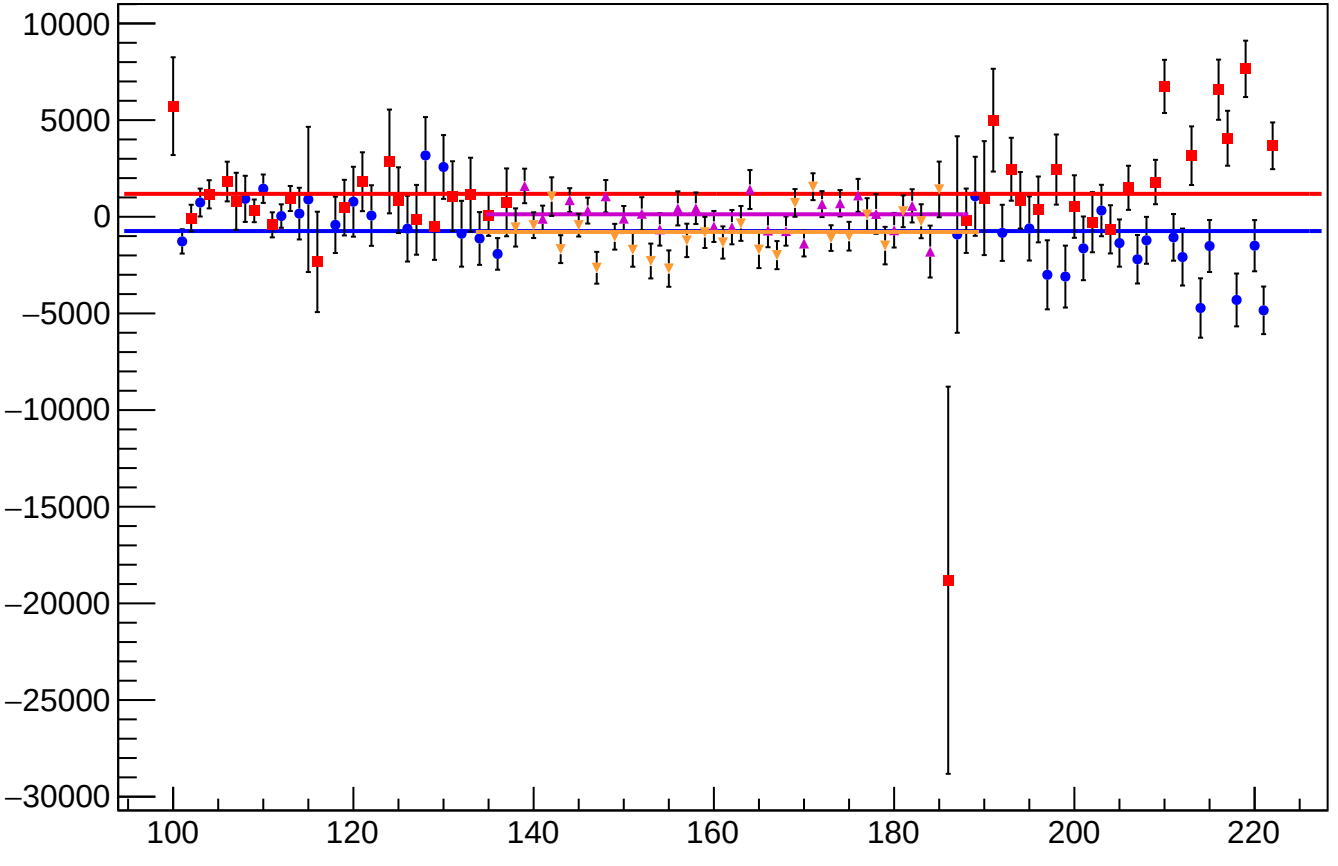
Right: 107.152+/-0.012 χ^2/NDF: 6342263.4/71

In: 110.650+/-0.013 χ^2/NDF:3864504.4/56

Out: 109.412+/-0.012 χ^2/NDF:5502524.8/62

All: 110.020+/-0.009 χ^2/NDF: 9371845.0/119

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -739.030+/-206.336 χ^2/NDF: 62.5/33

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 1185.324+/-198.834 χ^2/NDF: 90.5/37

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

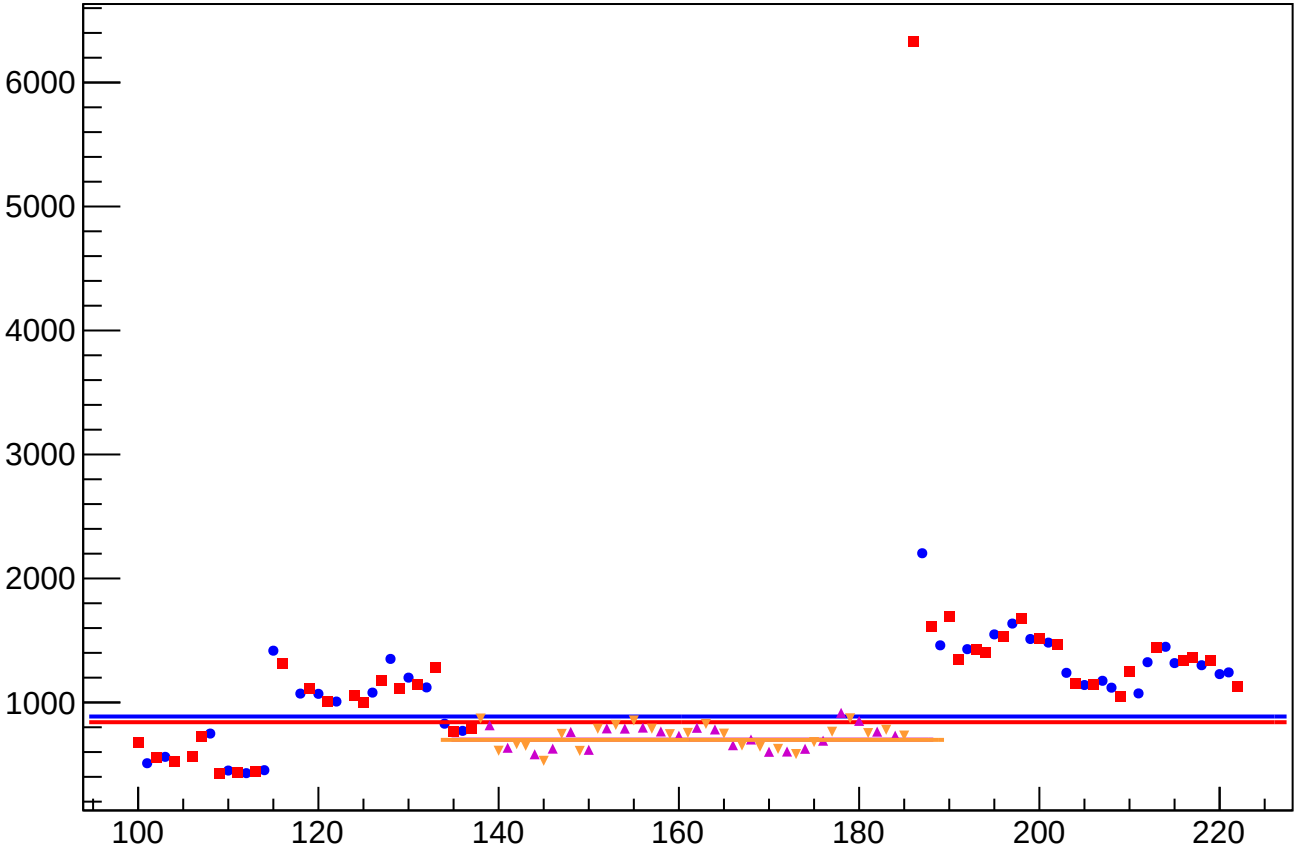
Right: 258.765+/-143.176 χ^2/NDF: 198.1/71

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: -7.343+/-124.881 χ^2/NDF:195.3/62

All: -105.746+/-89.720 χ^2/NDF: 292.6/119

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: 840.716+/-0.141 χ^2/NDF: 8798618.0/37

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

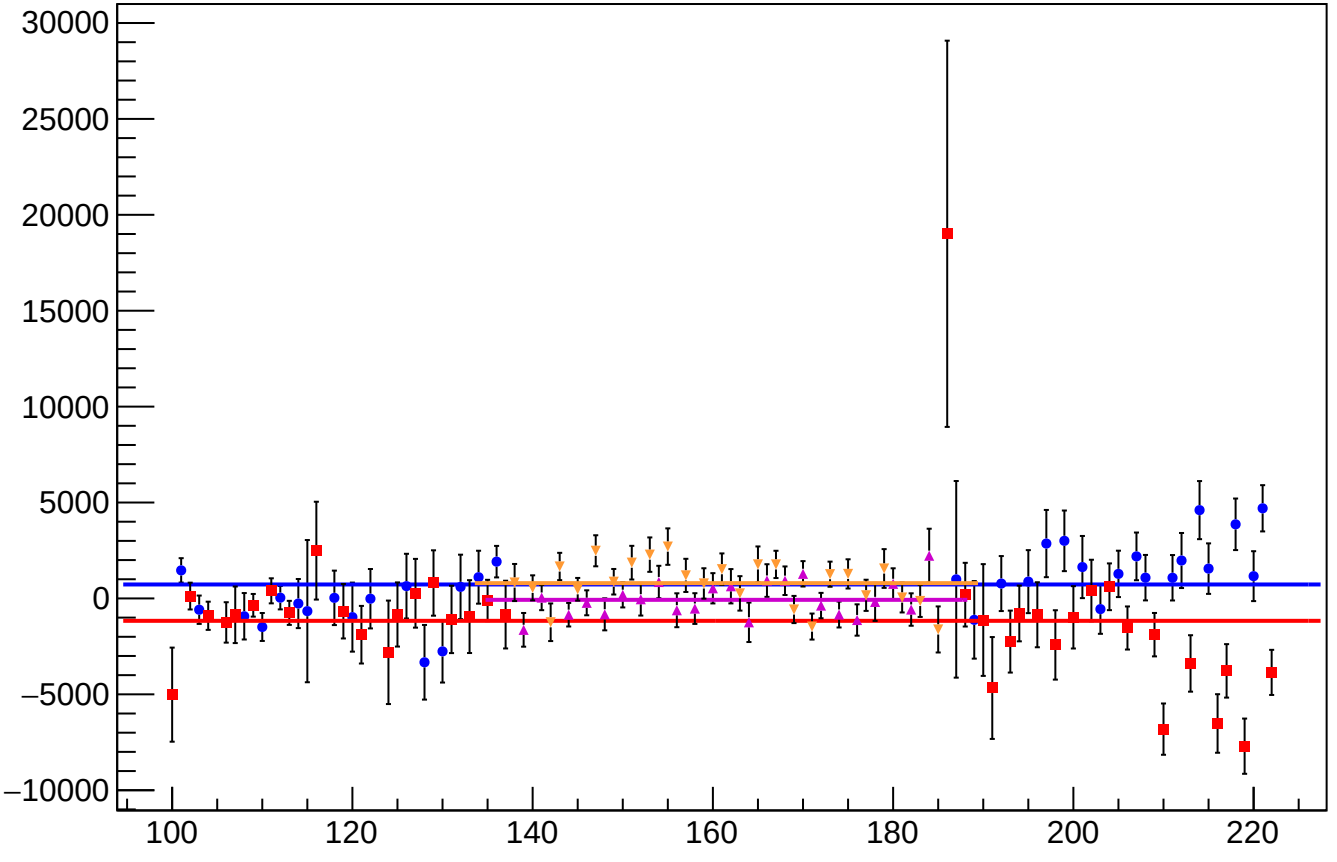
Right: 862.837+/-0.101 χ^2/NDF: 15831237.6/71

In: 772.991+/-0.091 χ^2/NDF:8561820.3/56

Out: 754.439+/-0.088 χ^2/NDF:10135160.8/62

All: 763.415+/-0.063 χ^2/NDF: 18718336.4/1

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: -1167.799+/-197.917 χ^2/NDF: 92.8/37

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

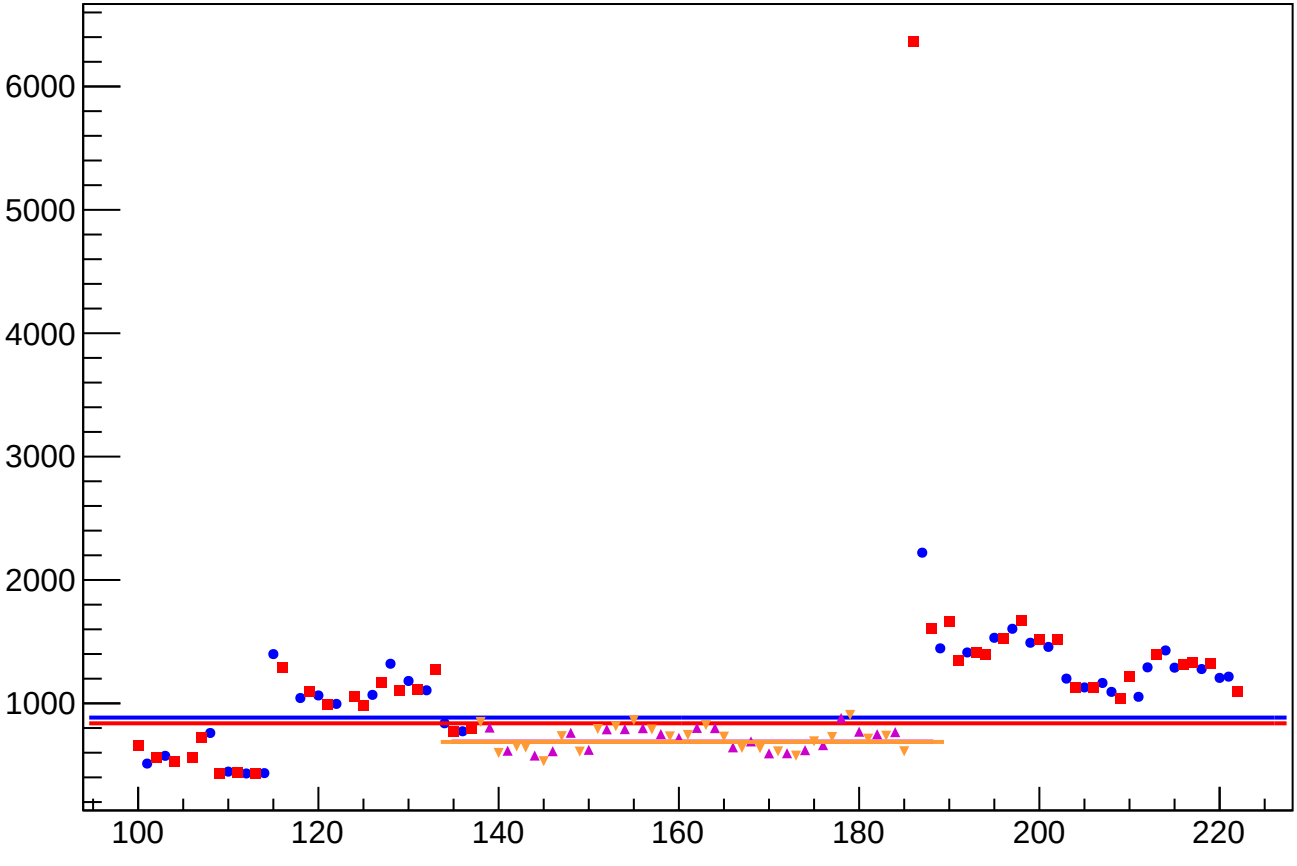
Right: -254.307+/-142.452 χ^2/NDF: 198.7/71

In: 236.153+/-127.574 χ^2/NDF:96.0/56

Out: 31.325+/-123.546 χ^2/NDF:199.3/62

All: 130.455+/-88.750 χ^2/NDF: 296.6/119

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: 838.139+/-0.140 χ^2/NDF: 8640236.8/37

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

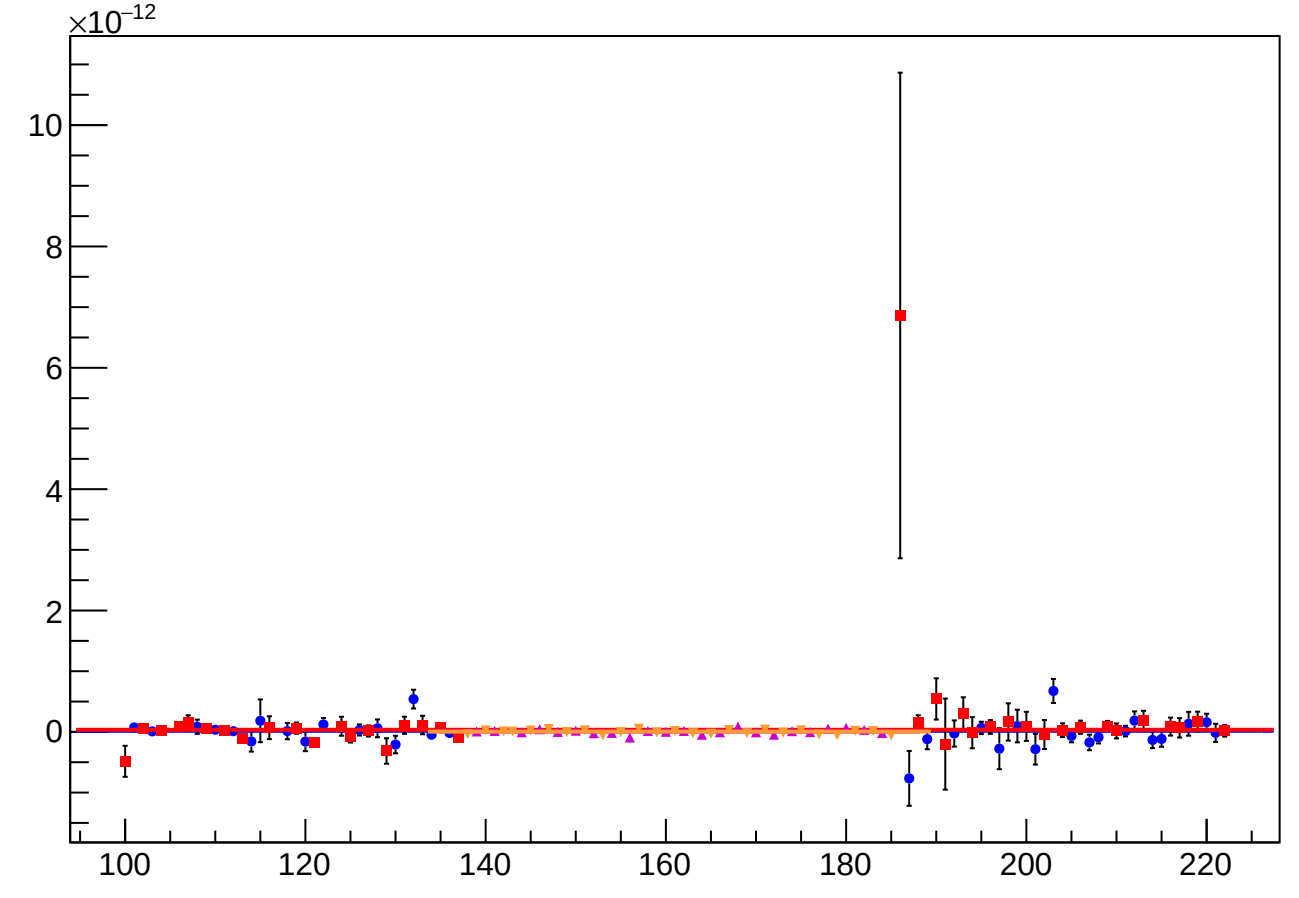
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 860.582+/-0.101 χ^2/NDF: 15395877.8/71

In: 765.259+/-0.090 χ^2/NDF:8374114.9/56

Out: 746.042+/-0.087 χ^2/NDF:10077782.3/62

All: 755.342+/-0.063 χ^2/NDF: 18475315.9/1



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: 36.7/37

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

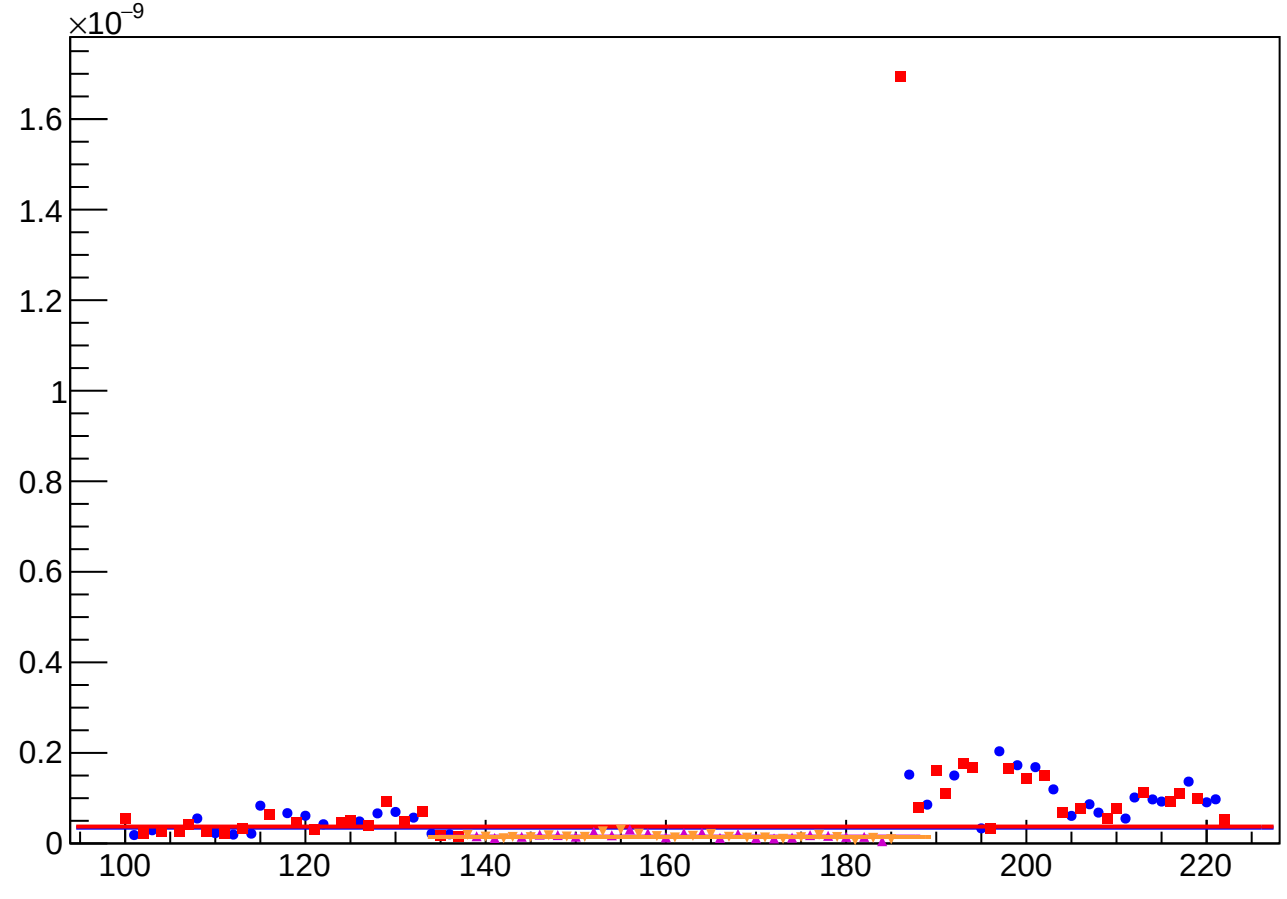
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 87.3/71

In: 0.000+/-0.000 χ^2/NDF:77.0/56

Out: 0.000+/-0.000 χ^2/NDF:62.2/62

All: 0.000+/-0.000 χ^2/NDF: 139.2/119



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: 7001919.8/37

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

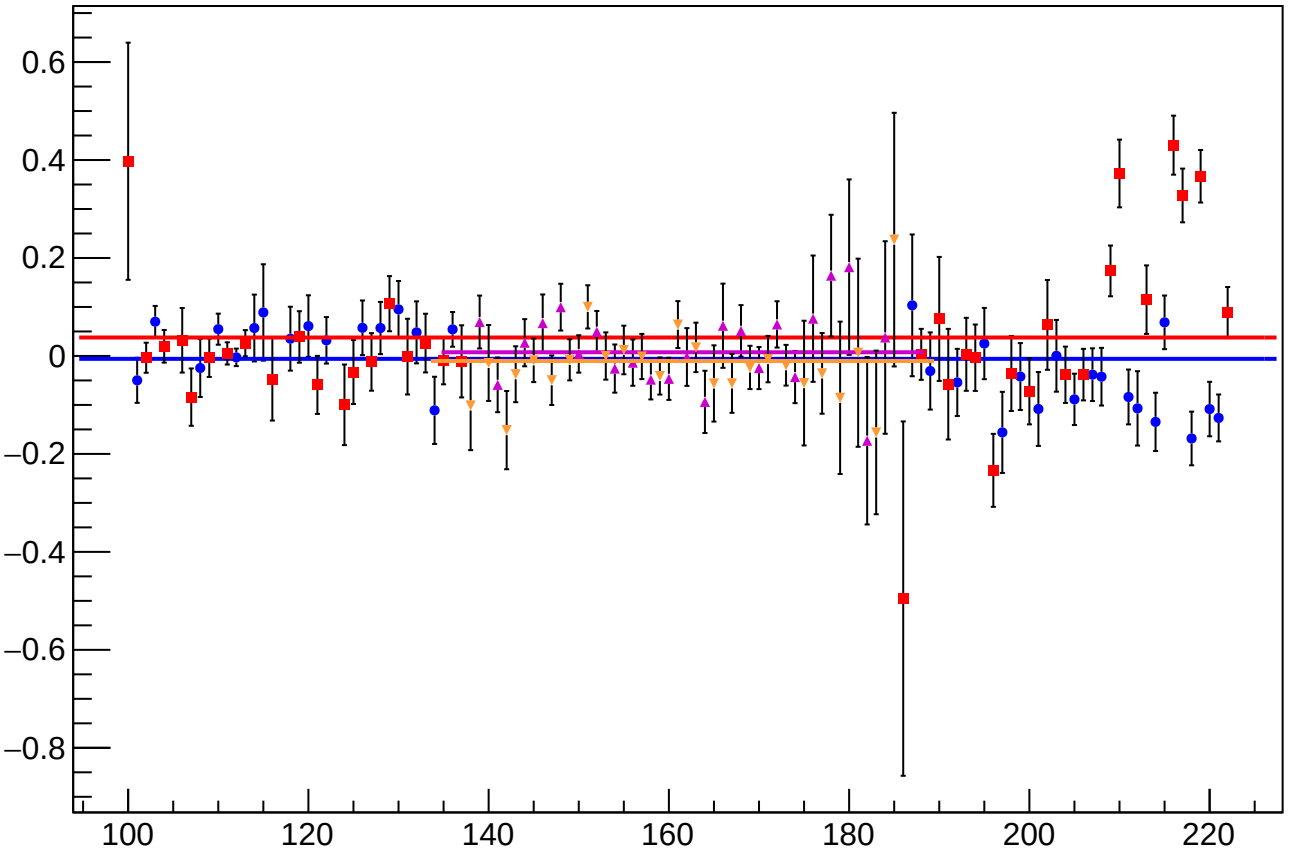
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15163039.8/71

In: 0.000+/-0.000 χ^2/NDF:12623103.4/56

Out: 0.000+/-0.000 χ^2/NDF:12277000.0/62

All: 0.000+/-0.000 χ^2/NDF: 24942921.9/119



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: 0.038+/-0.009 χ^2/NDF: 189.0/37

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

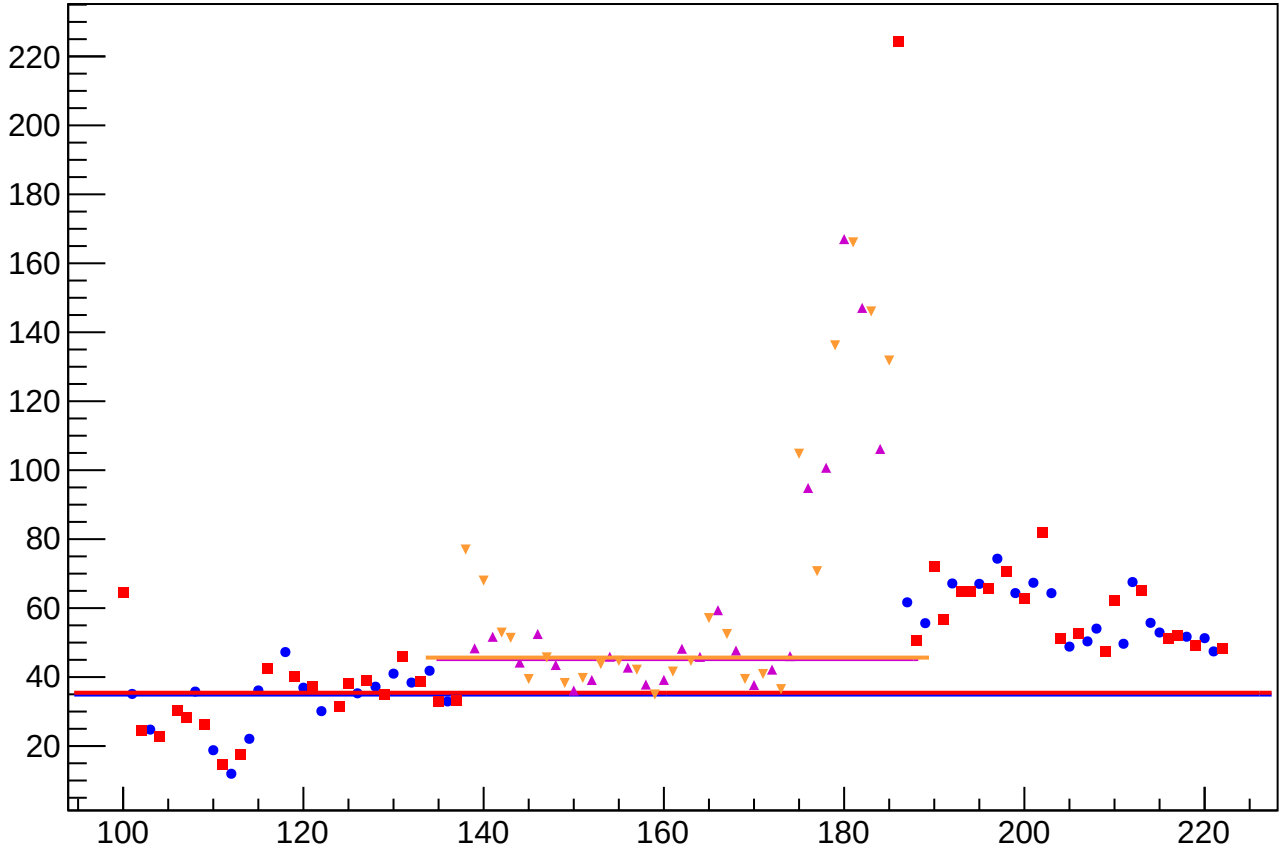
Right: 0.016+/-0.006 χ^2/NDF: 266.7/71

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.020+/-0.007 χ^2/NDF:218.5/62

All: 0.010+/-0.005 χ^2/NDF: 312.3/119

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: 35.458+/-0.006 χ^2/NDF: 8357463.9/37

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

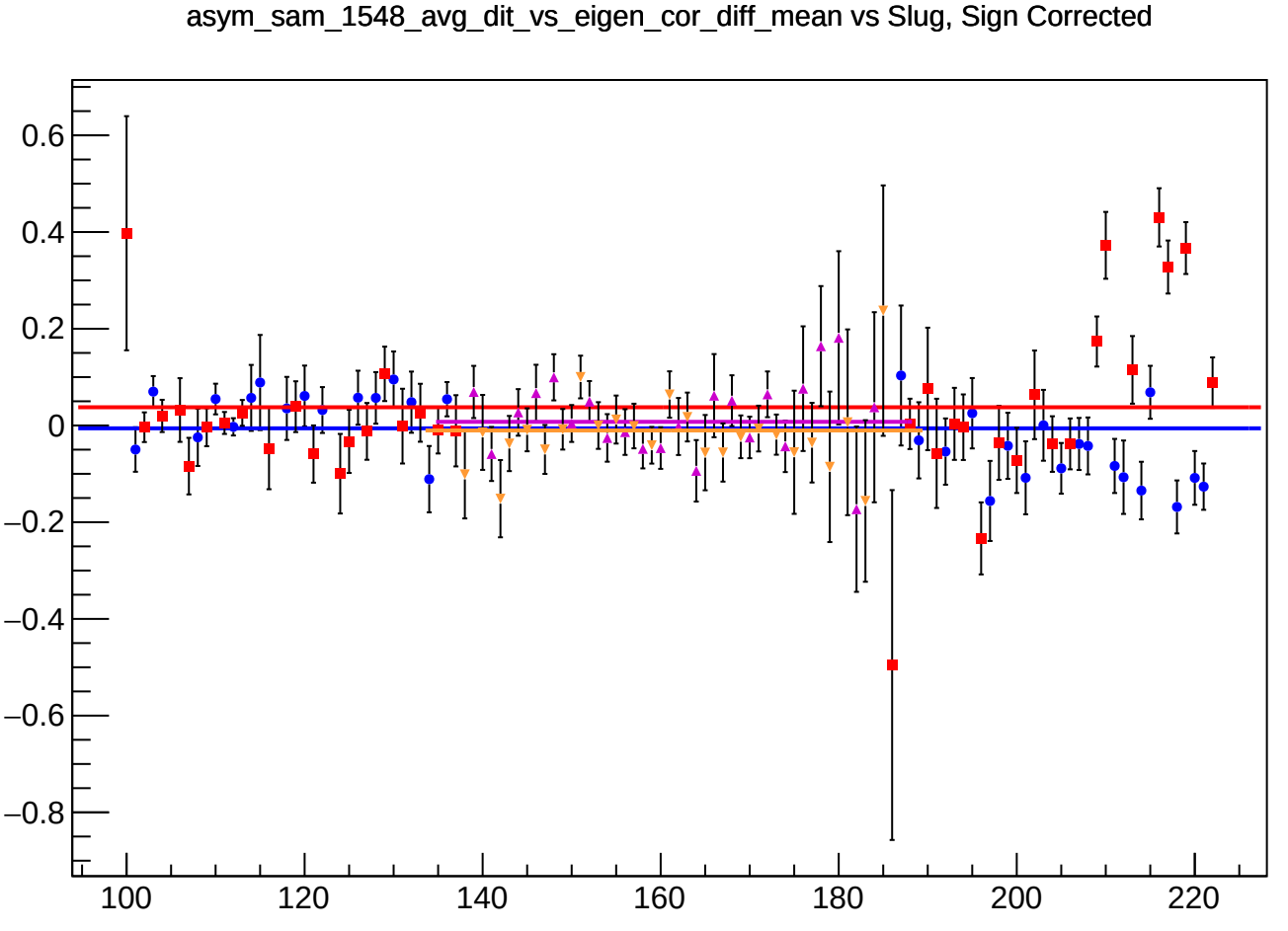
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 35.192+/-0.004 χ^2/NDF: 17137882.6/71

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.173+/-0.005 χ^2/NDF:13411291.3/62

All: 38.885+/-0.003 χ^2/NDF: 26233015.5/119



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: 0.038+/-0.009 χ^2/NDF: 189.0/37

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

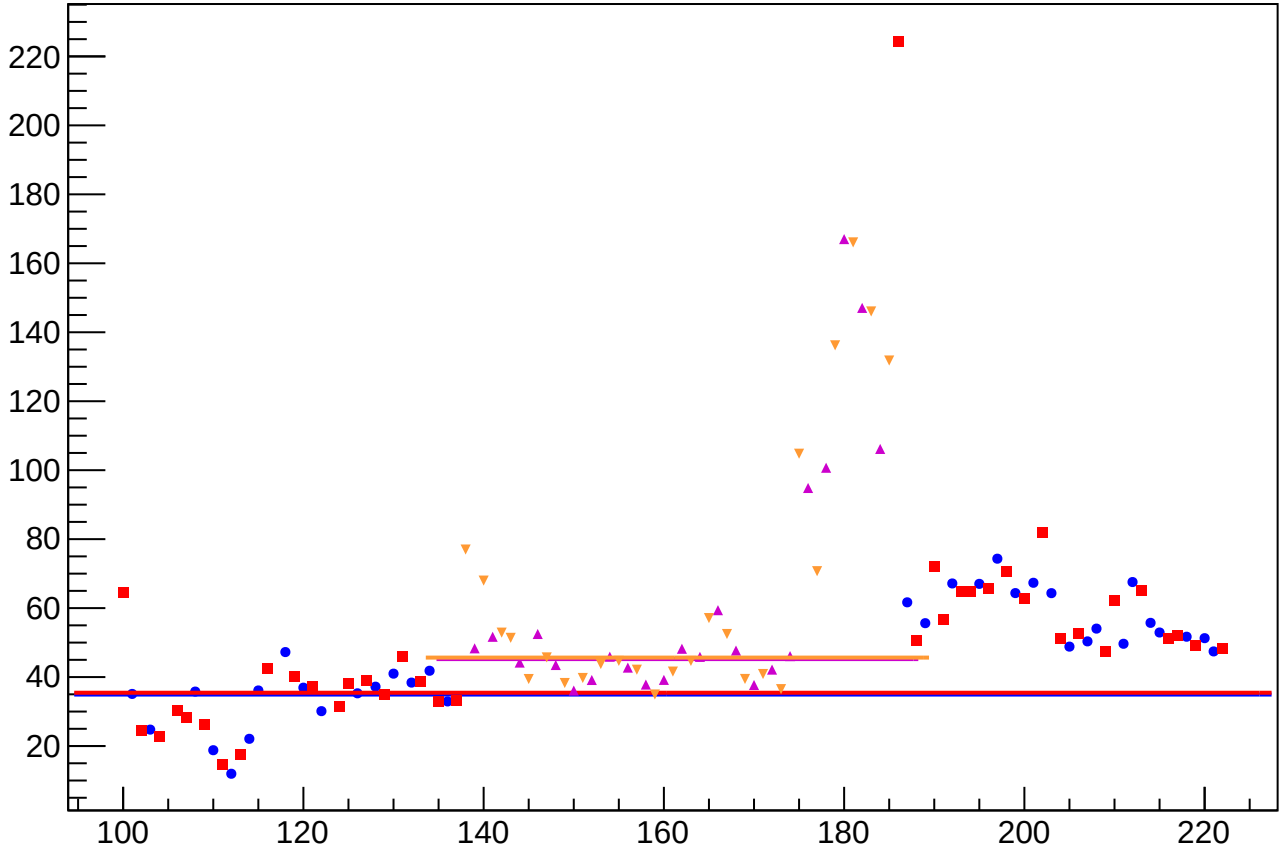
Right: 0.016+/-0.006 χ^2/NDF: 266.7/71

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.020+/-0.007 χ^2/NDF:218.5/62

All: 0.010+/-0.005 χ^2/NDF: 312.3/119

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: 35.458+/-0.006 χ^2/NDF: 8357463.9/37

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

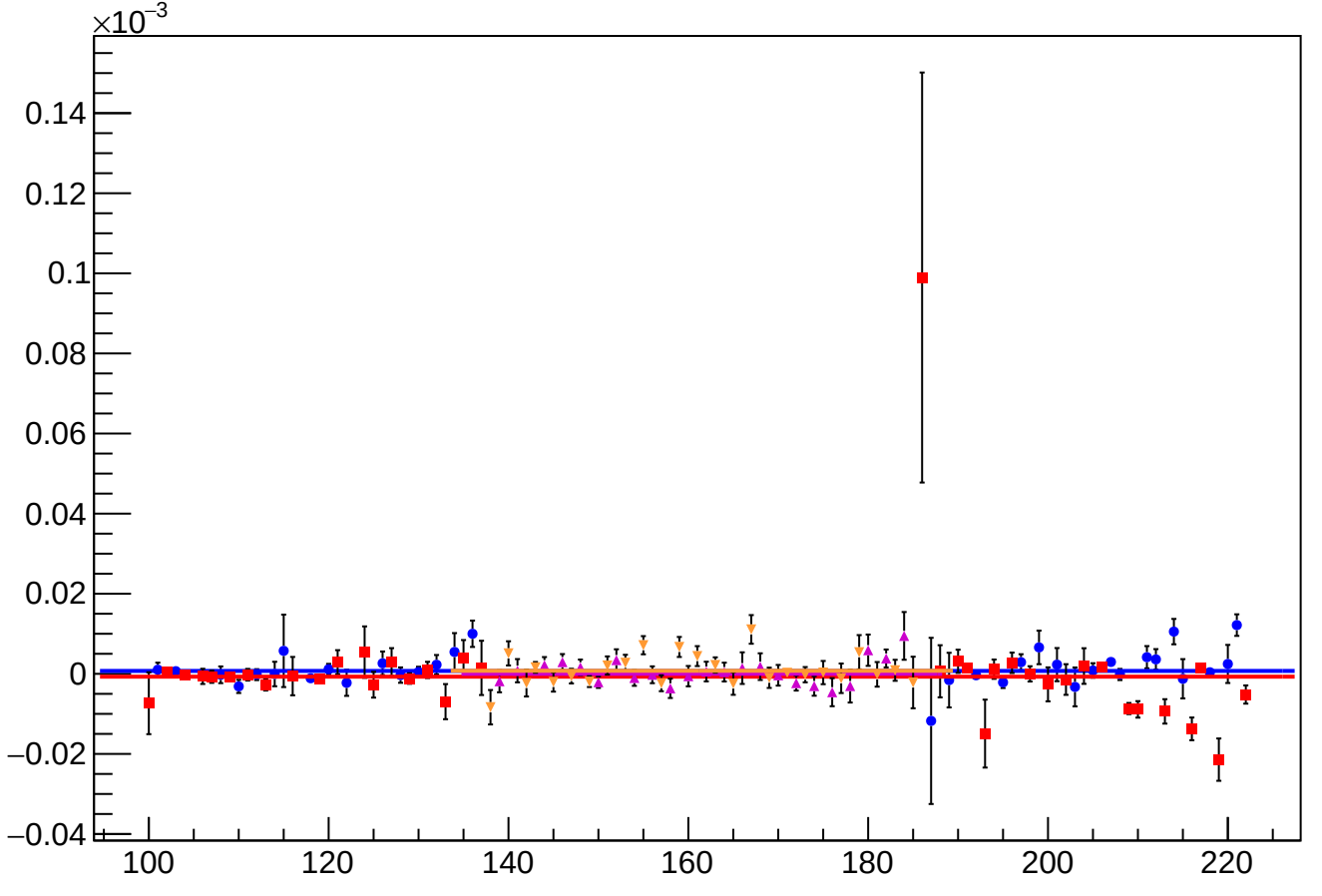
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 35.192+/-0.004 χ^2/NDF: 17137882.6/71

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.173+/-0.005 χ^2/NDF:13411291.3/62

All: 38.885+/-0.003 χ^2/NDF: 26233015.5/119



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: 135.4/37

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

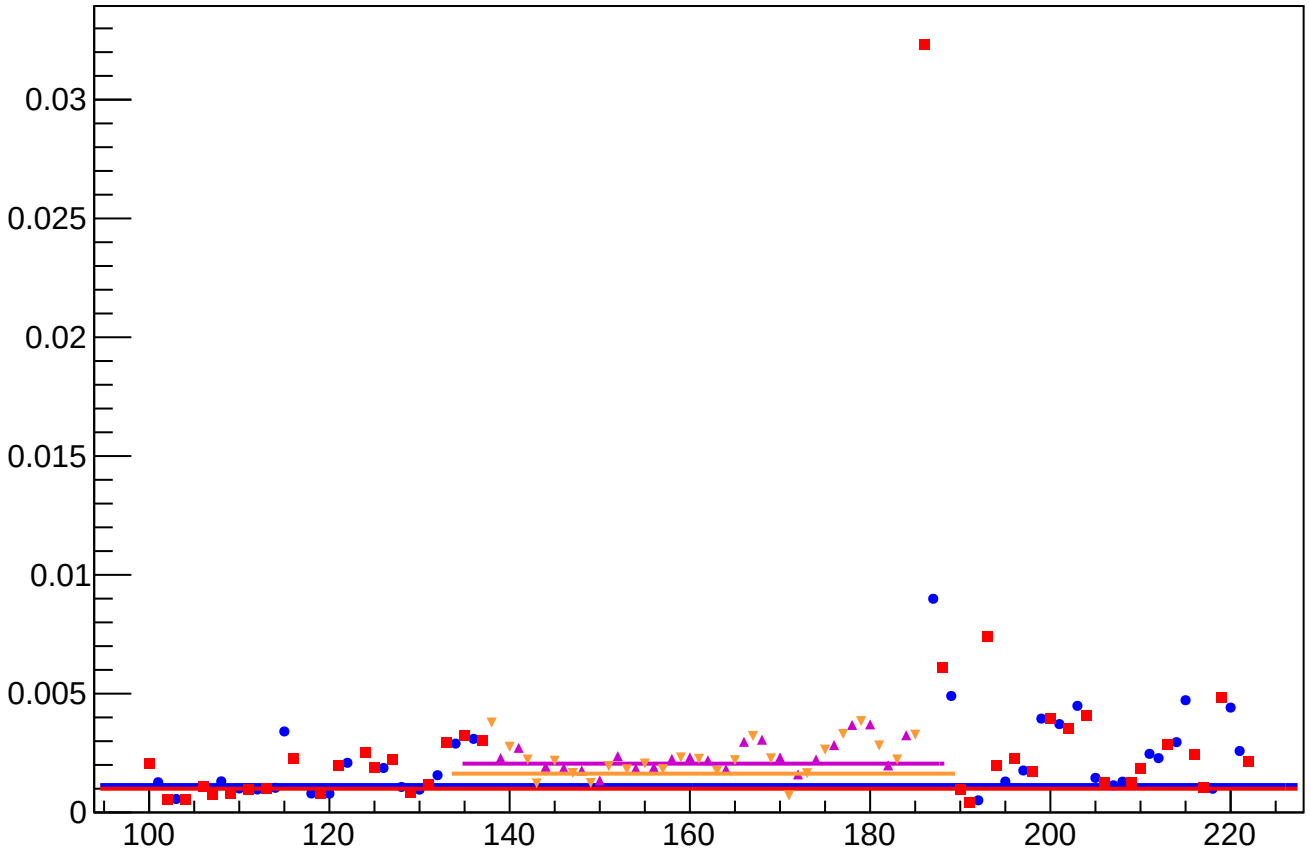
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

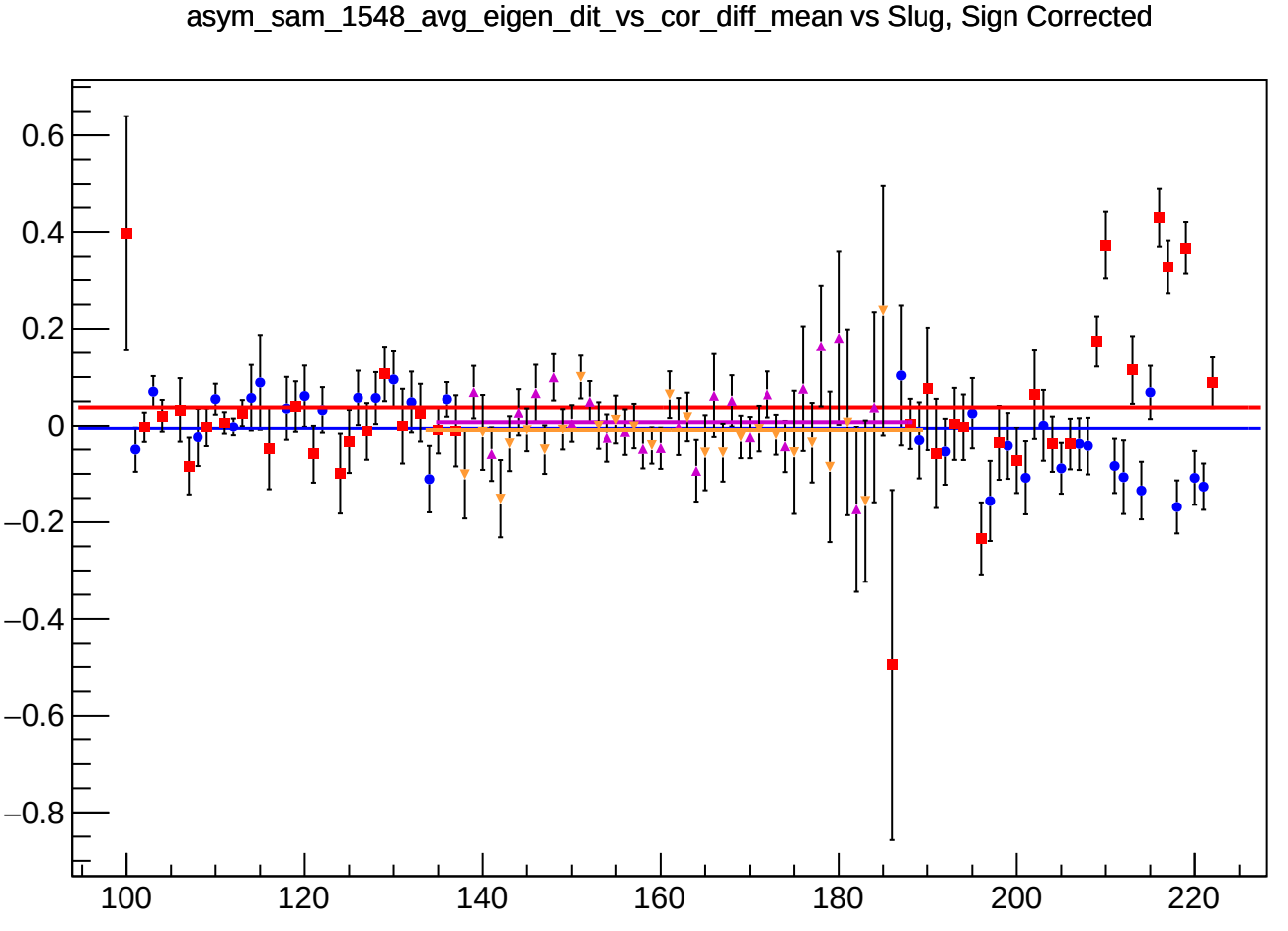
Right: -0.000+/-0.000 χ^2/NDF: 212.4/71

In: 0.000+/-0.000 χ^2/NDF:90.5/56

Out: -0.000+/-0.000 χ^2/NDF:190.5/62

All: 0.000+/-0.000 χ^2/NDF: 286.4/119


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 11770717.7/33
Left Out: 0.002+/-0.000 χ²/NDF:6495366.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 15354944.8/37
Left In: 0.002+/-0.000 χ²/NDF:2093048.8/22
Left: 0.002+/-0.000 χ²/NDF: 9430299.1/47
Right: 0.001+/-0.000 χ²/NDF: 27409894.7/71
In: 0.001+/-0.000 χ²/NDF:18603330.5/56
Out: 0.001+/-0.000 χ²/NDF:25177961.7/62
All: 0.001+/-0.000 χ²/NDF: 44491980.9/119



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: 0.038+/-0.009 χ^2/NDF: 189.0/37

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

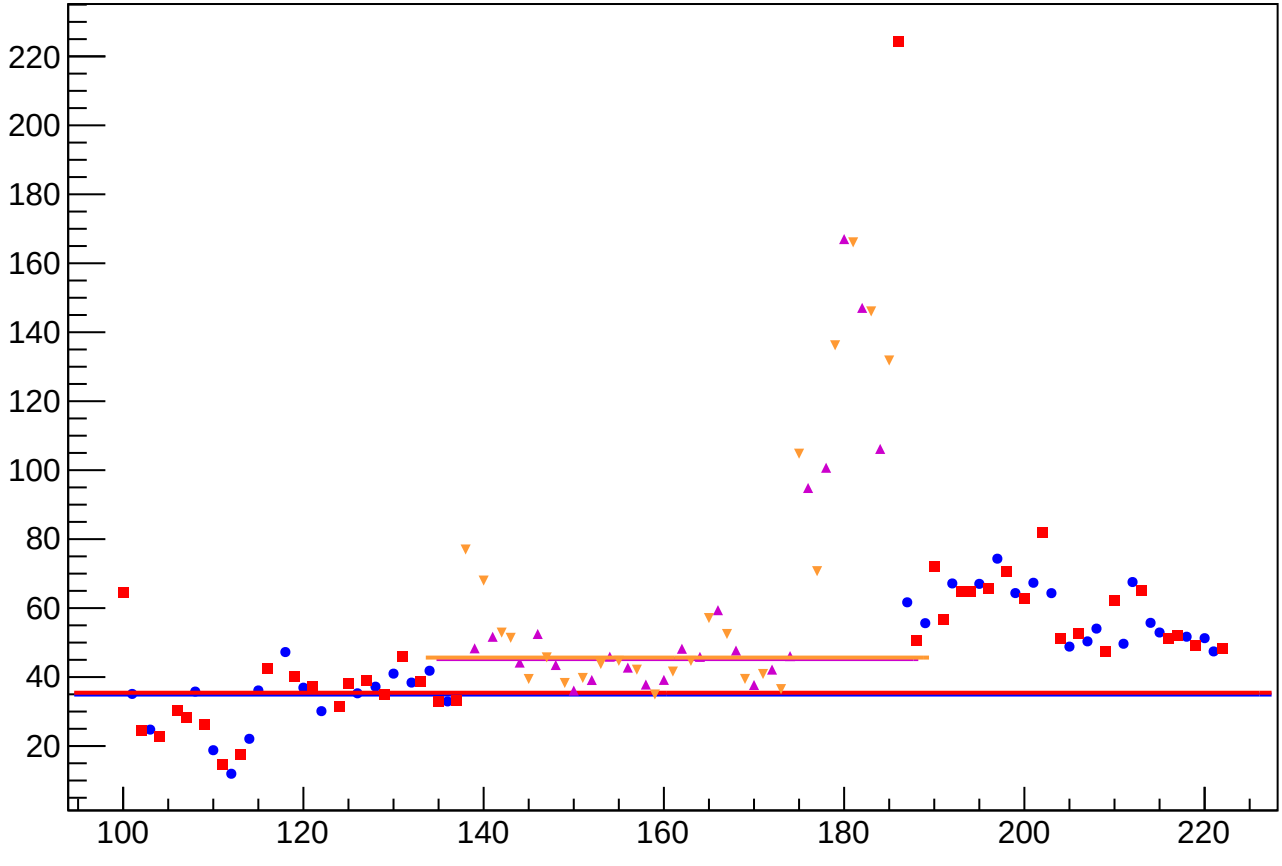
Right: 0.016+/-0.006 χ^2/NDF: 266.7/71

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.020+/-0.007 χ^2/NDF:218.5/62

All: 0.010+/-0.005 χ^2/NDF: 312.3/119

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: 35.458+/-0.006 χ^2/NDF: 8357693.0/37

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

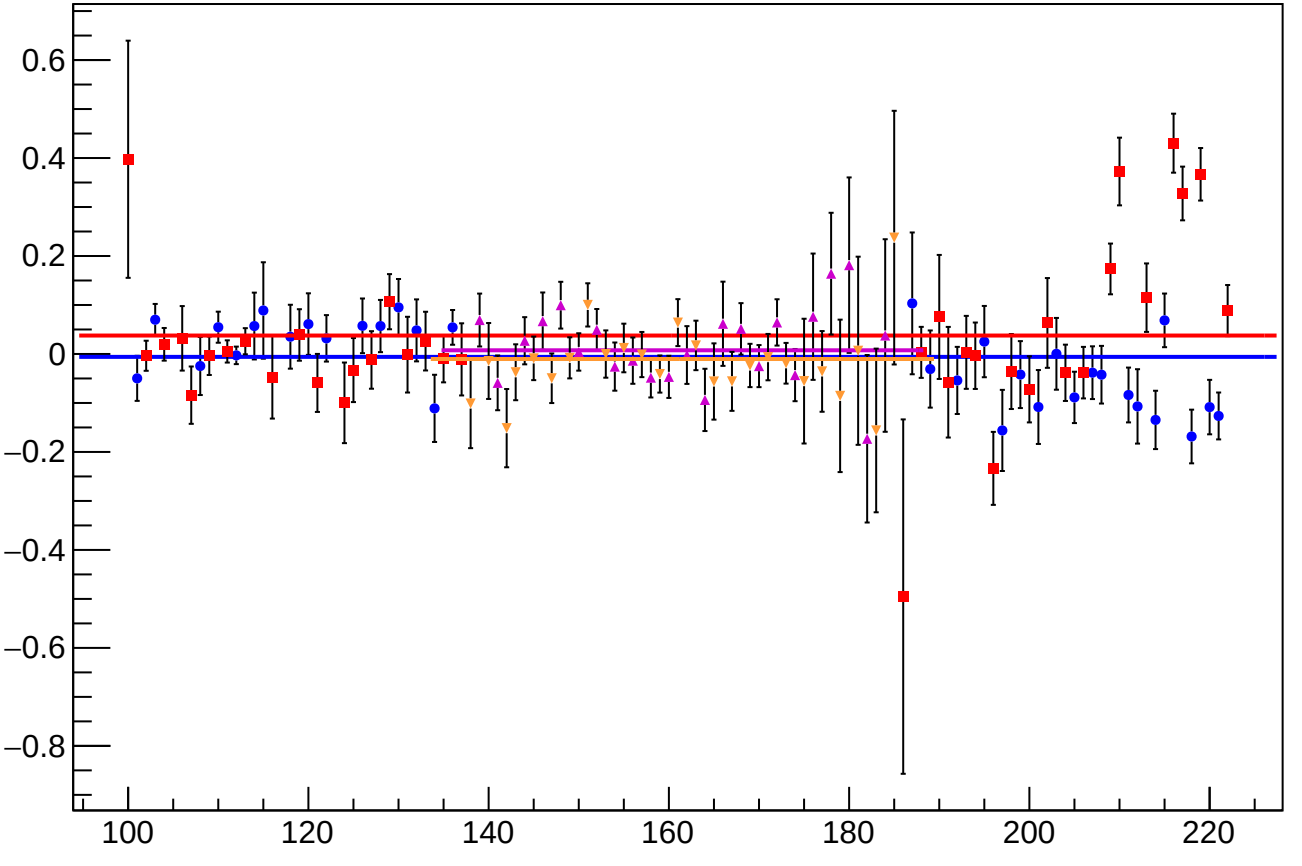
Right: 35.192+/-0.004 χ^2/NDF: 17138396.3/71

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.172+/-0.005 χ^2/NDF:13411618.0/62

All: 38.884+/-0.003 χ^2/NDF: 26233760.1/119

asym_sam_1548_avg_eigen_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: 0.038+/-0.009 χ^2/NDF: 189.0/37

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

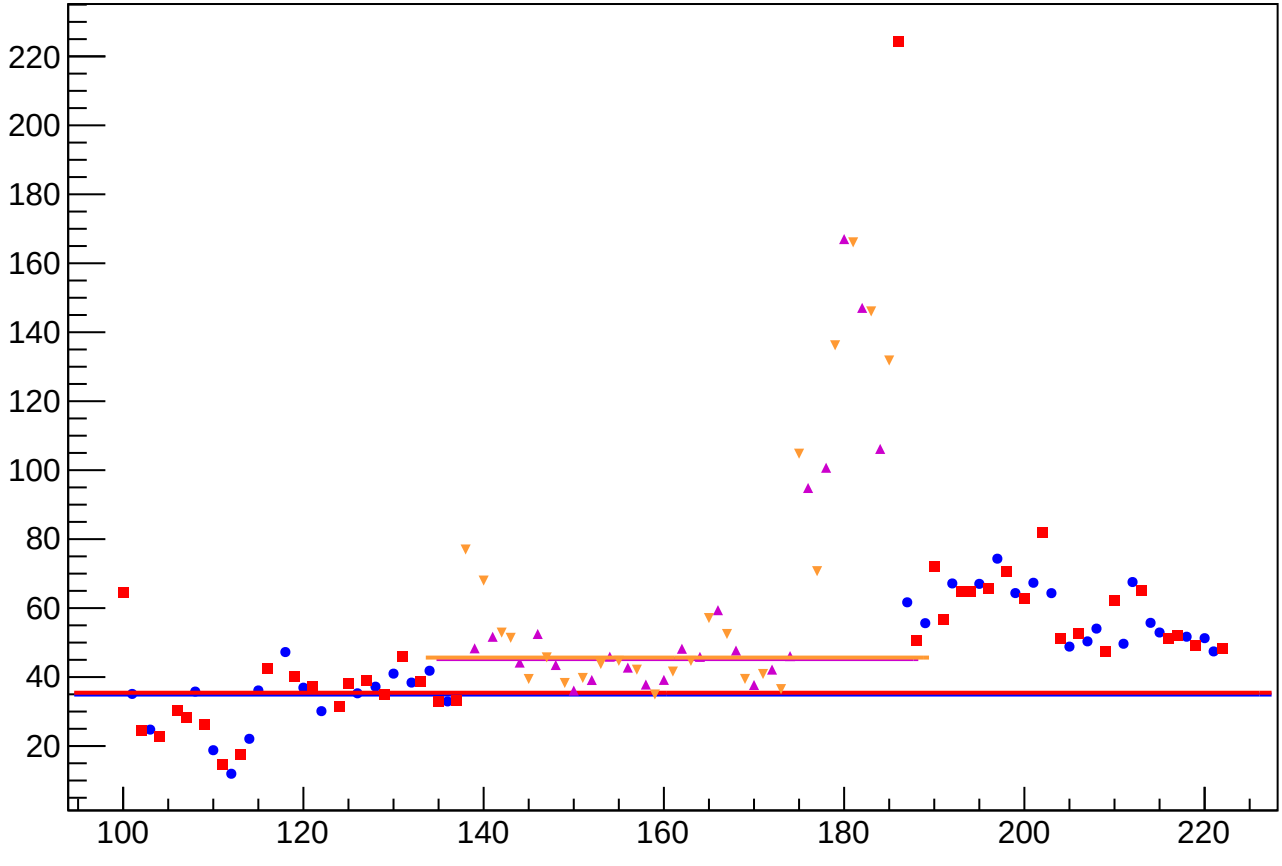
Right: 0.016+/-0.006 χ^2/NDF: 266.7/71

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.020+/-0.007 χ^2/NDF:218.5/62

All: 0.010+/-0.005 χ^2/NDF: 312.3/119

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: 35.458+/-0.006 χ^2/NDF: 8357693.0/37

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

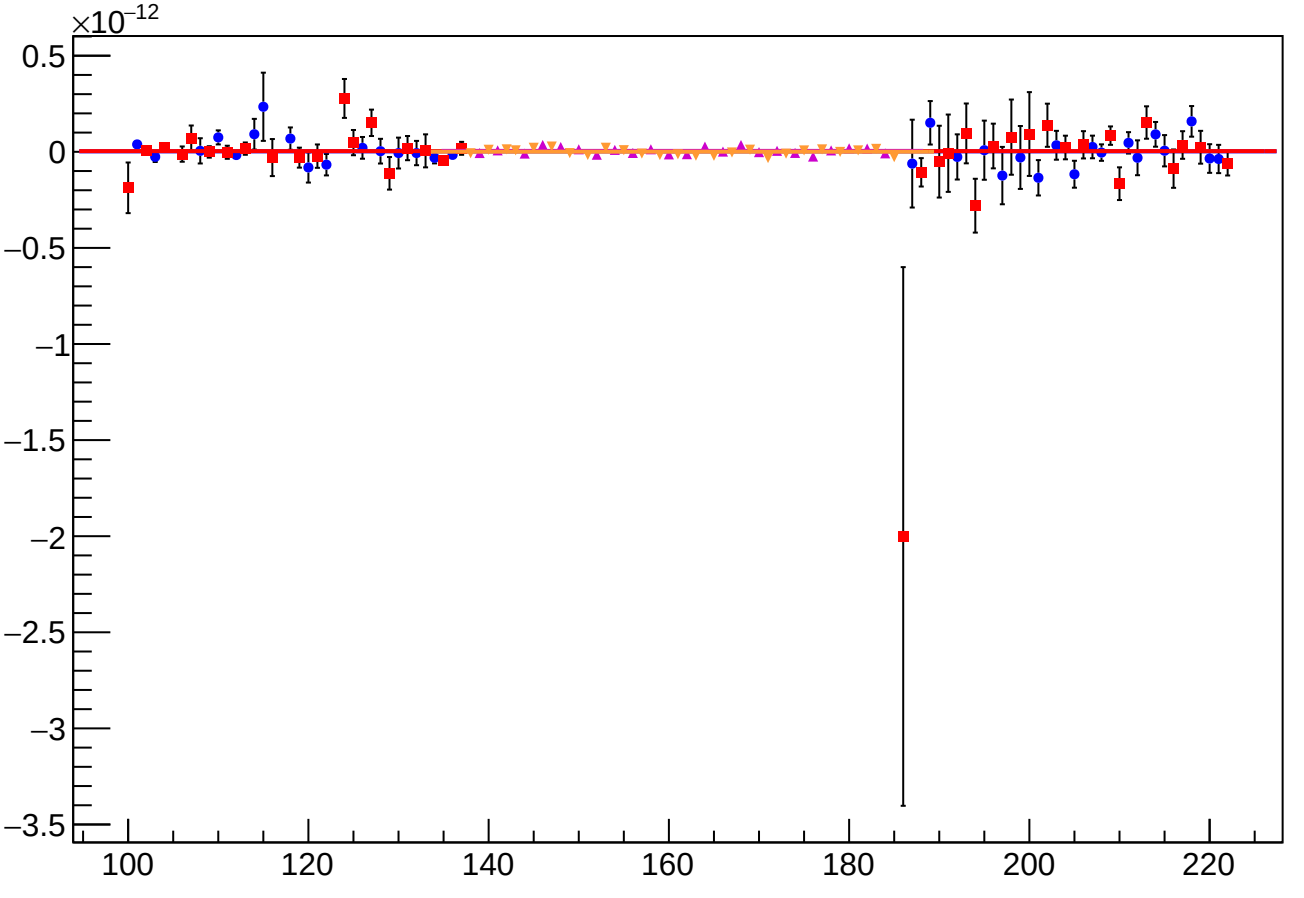
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 35.192+/-0.004 χ^2/NDF: 17138396.3/71

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.172+/-0.005 χ^2/NDF:13411618.0/62

All: 38.884+/-0.003 χ^2/NDF: 26233760.1/119



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/37

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

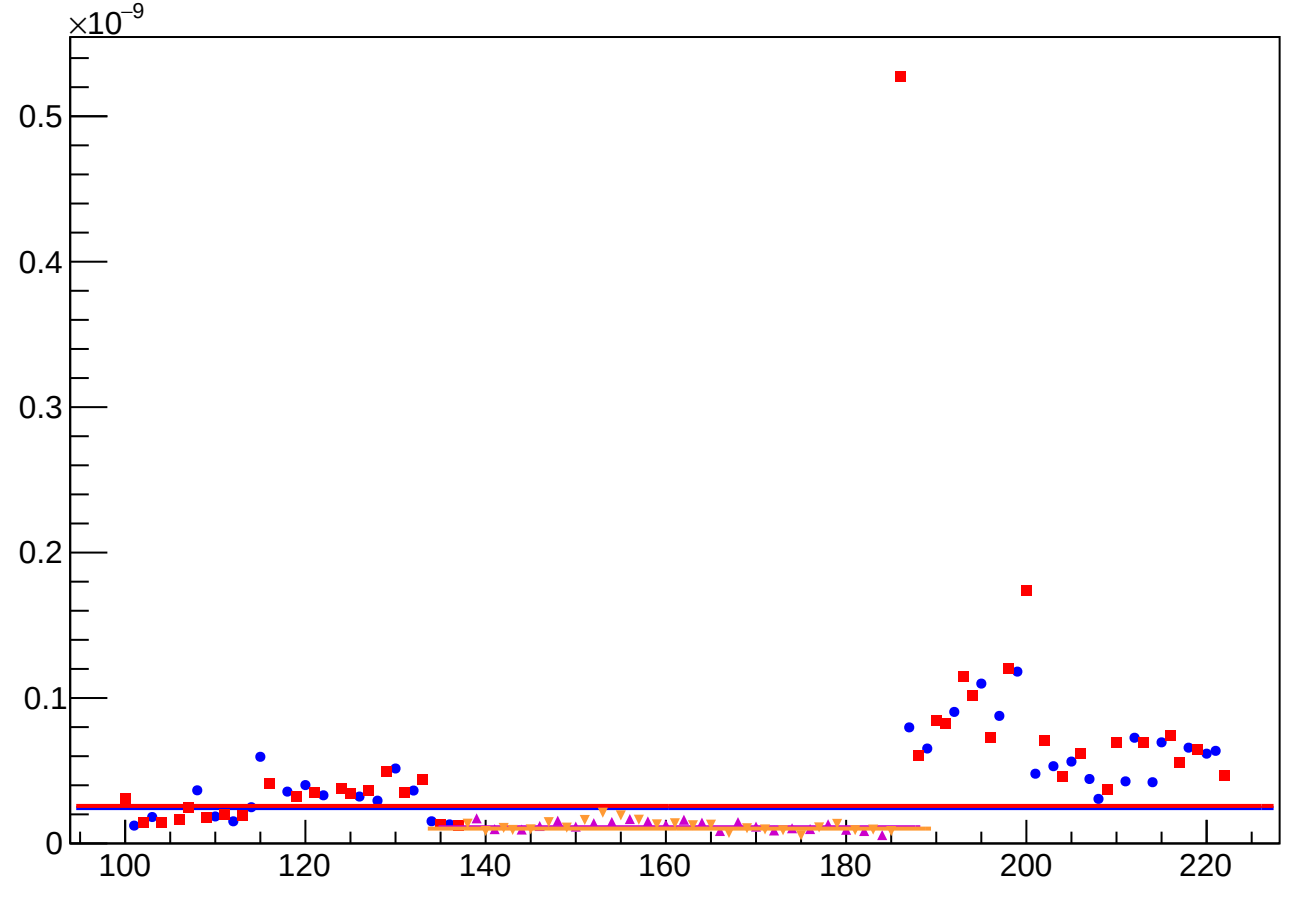
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 80.4/71

In: 0.000+/-0.000 χ^2/NDF:57.6/56

Out: 0.000+/-0.000 χ^2/NDF:72.1/62

All: 0.000+/-0.000 χ^2/NDF: 130.4/119



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: 10414059.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

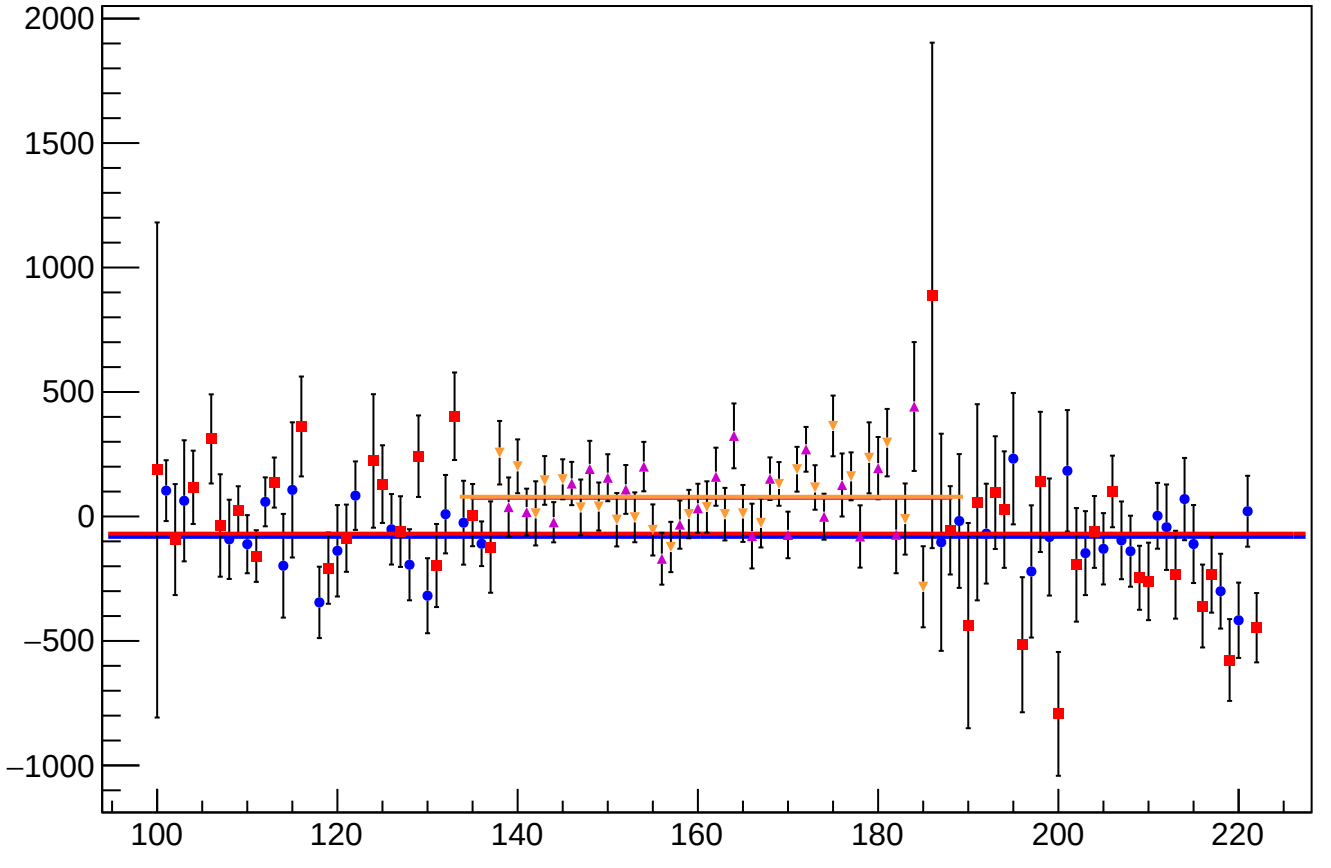
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20383140.1/71

In: 0.000+/-0.000 χ^2/NDF:16299056.4/56

Out: 0.000+/-0.000 χ^2/NDF:18917498.9/62

All: 0.000+/-0.000 χ^2/NDF: 35368652.4/119



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: -68.989+/-26.771 χ^2/NDF: 73.6/37

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

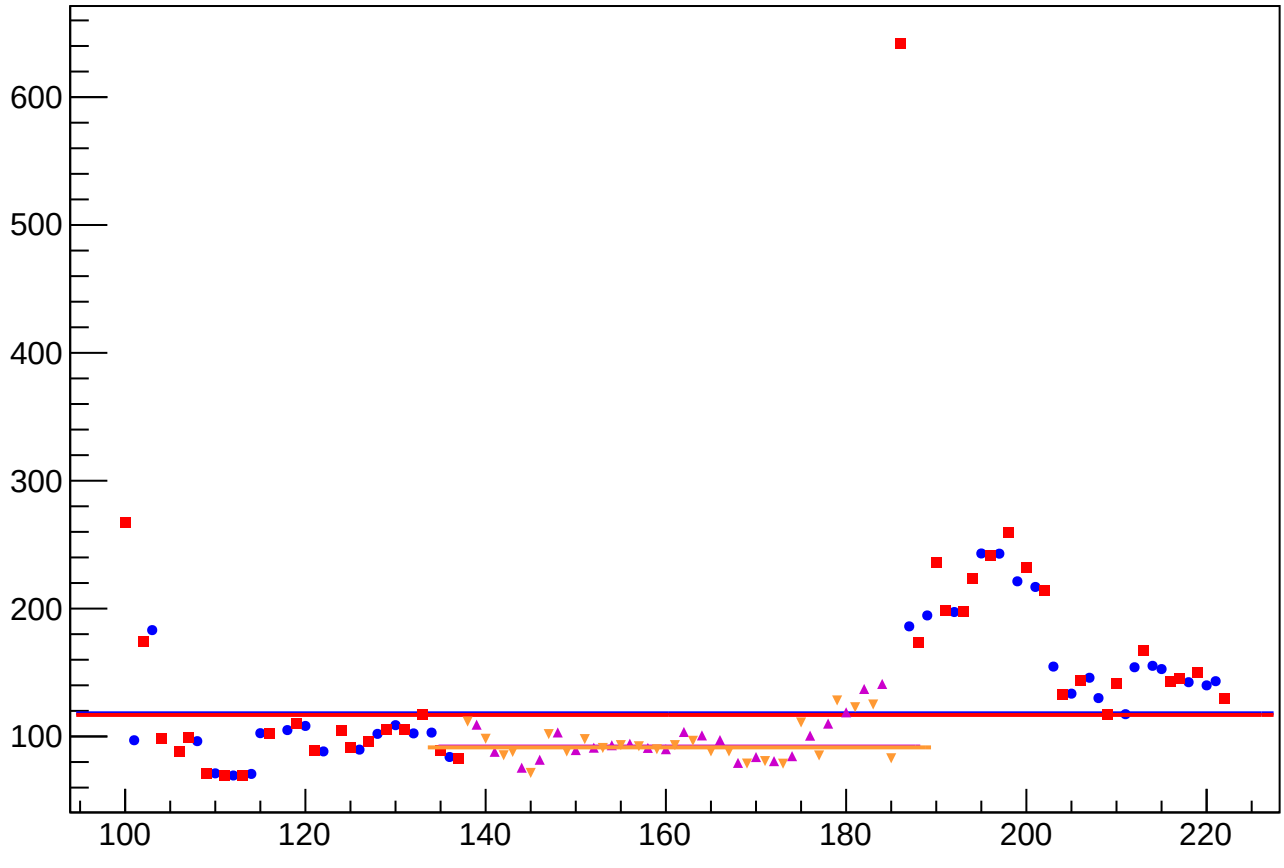
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -75.359+/-18.922 χ^2/NDF: 100.1/71

In: 12.350+/-16.916 χ^2/NDF:79.6/56

Out: 22.348+/-16.573 χ^2/NDF:124.5/62

All: 17.451+/-11.838 χ^2/NDF: 204.3/119



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: 116.845+/-0.019 χ^2/NDF: 5895175.4/37

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

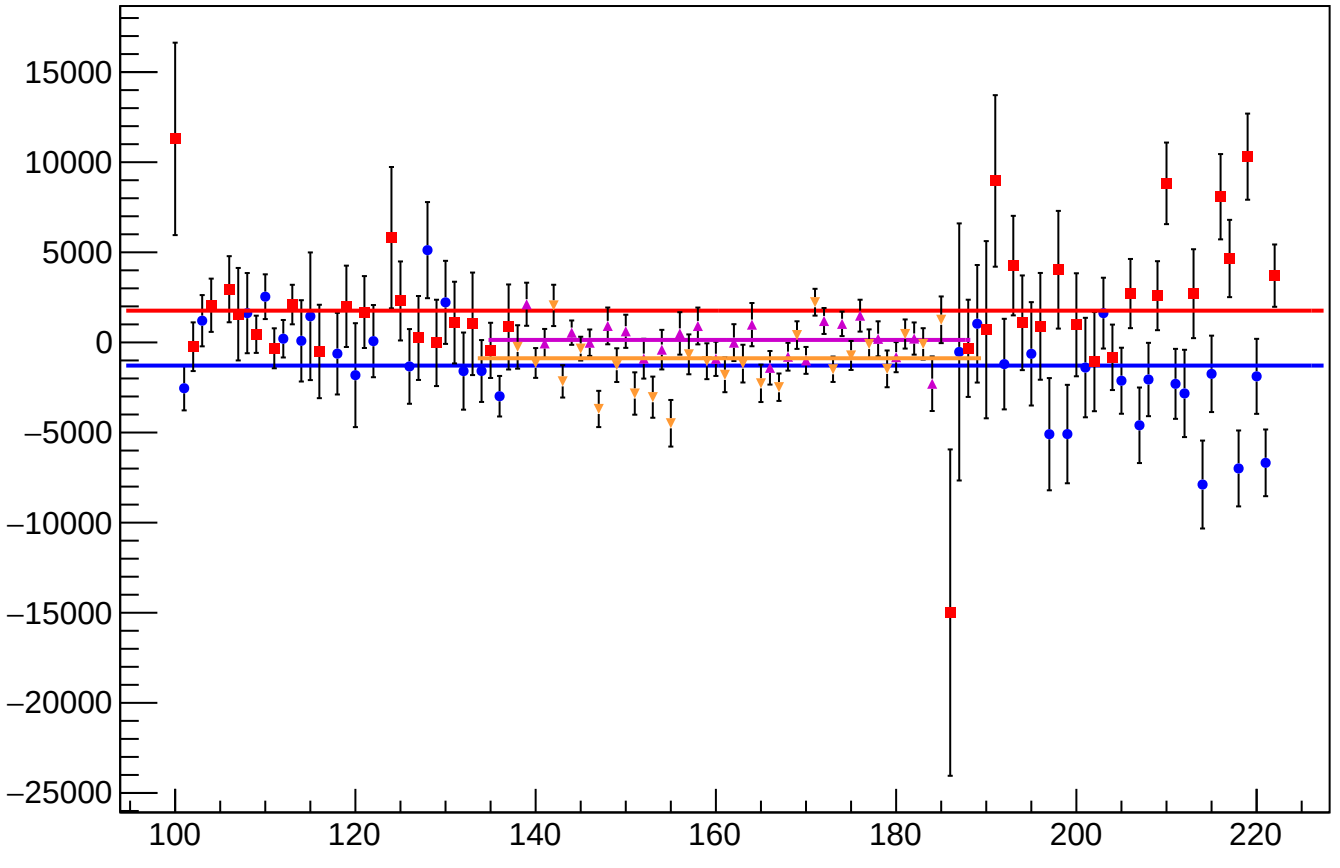
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 117.468+/-0.013 χ^2/NDF: 10380168.8/71

In: 102.494+/-0.012 χ^2/NDF:6315343.5/56

Out: 101.189+/-0.012 χ^2/NDF:7755408.0/62

All: 101.828+/-0.008 χ^2/NDF: 14076825.3/11



Right In: -1284.865+/-332.539 χ^2/NDF: 62.3/33

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1762.689+/-327.740 χ^2/NDF: 60.7/37

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

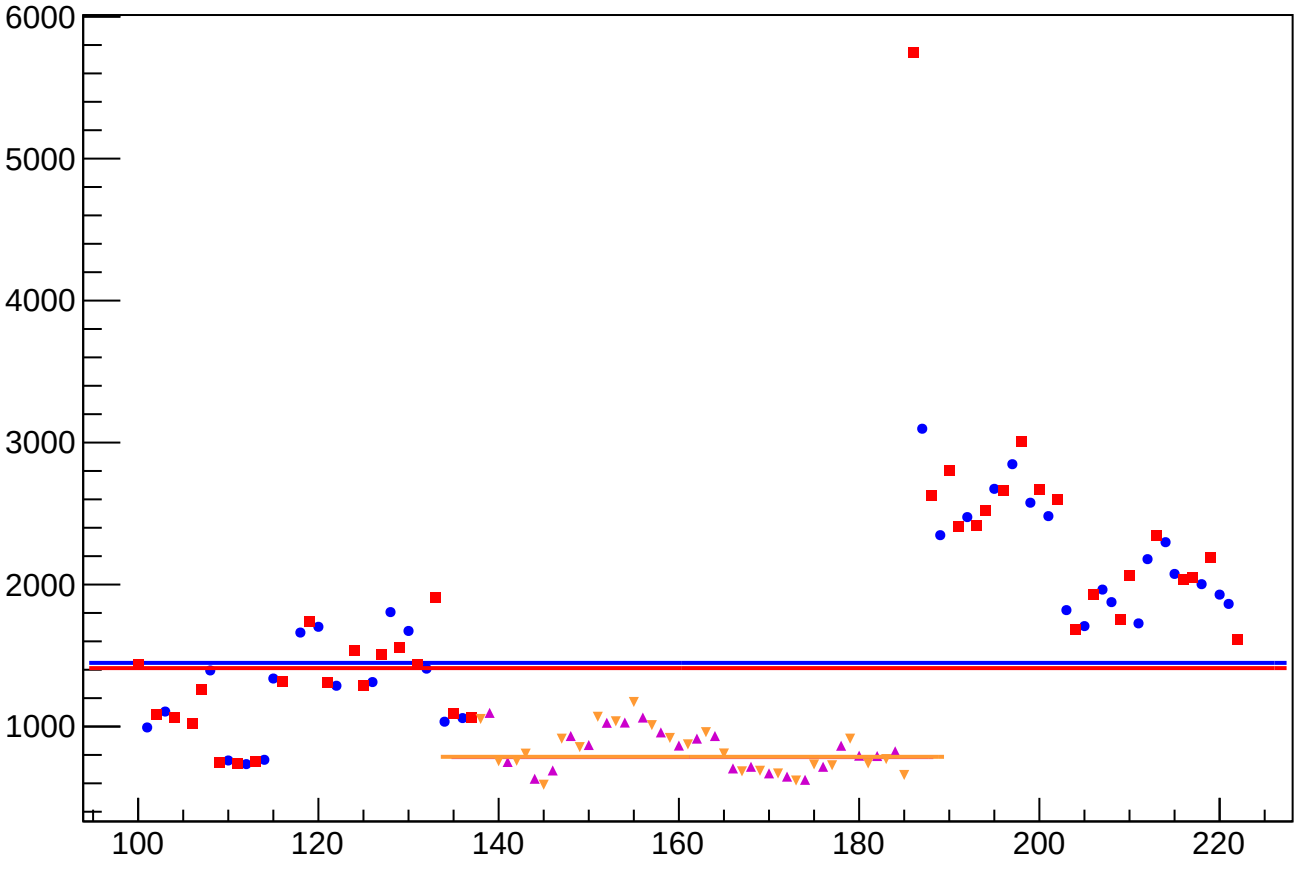
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 261.062+/-233.425 χ^2/NDF: 165.6/71

In: -202.108+/-162.713 χ^2/NDF:100.5/56

Out: -254.974+/-159.238 χ^2/NDF:178.0/62

All: -229.111+/-113.807 χ^2/NDF: 278.5/119



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: 1411.484+/-0.232 χ^2/NDF: 7442885.2/37

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

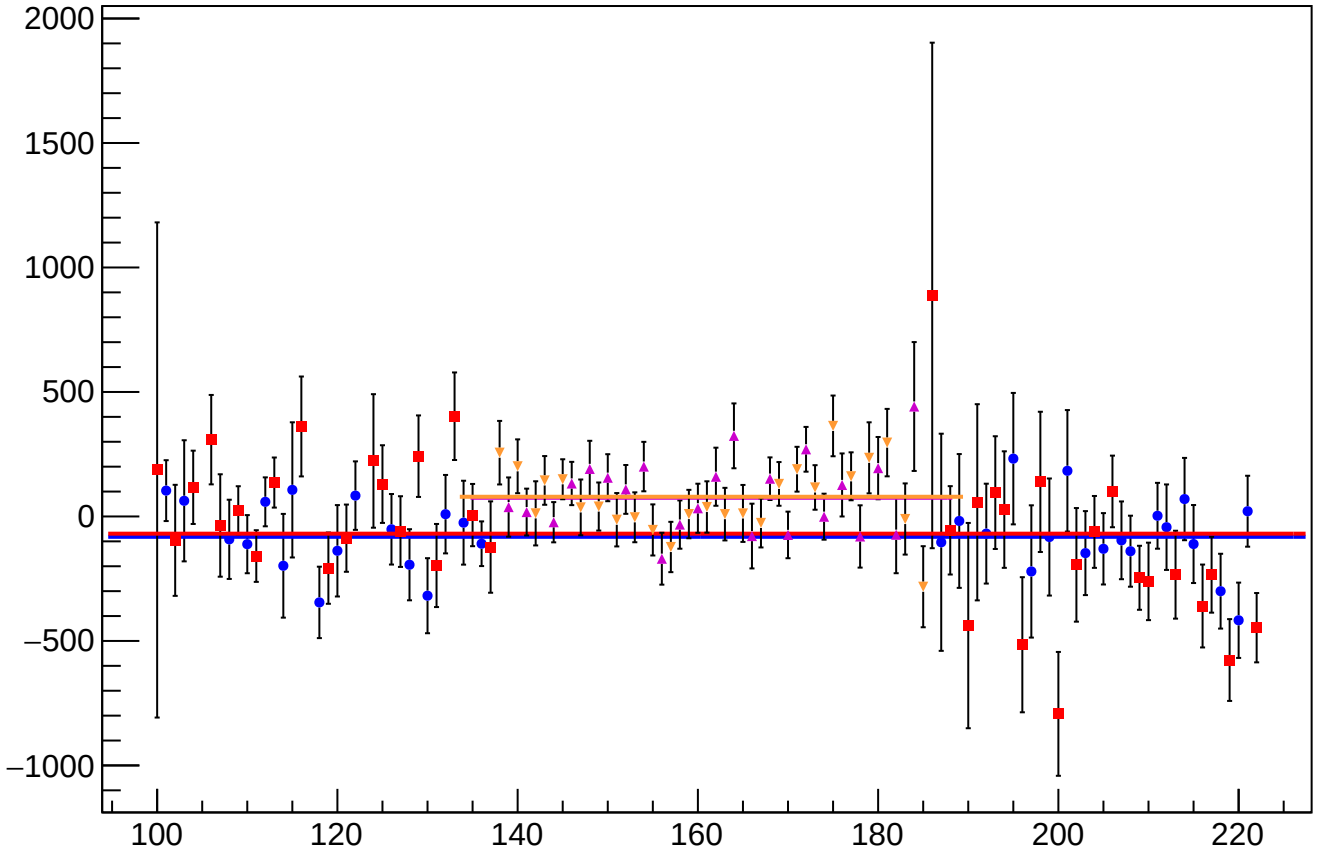
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1429.644+/-0.165 χ^2/NDF: 13341923.2/71

In: 943.690+/-0.115 χ^2/NDF:13006249.9/56

Out: 934.236+/-0.113 χ^2/NDF:14205233.1/62

All: 938.861+/-0.080 χ^2/NDF: 27214931.6/11



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: -69.154+/-26.773 χ^2/NDF: 73.5/37

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

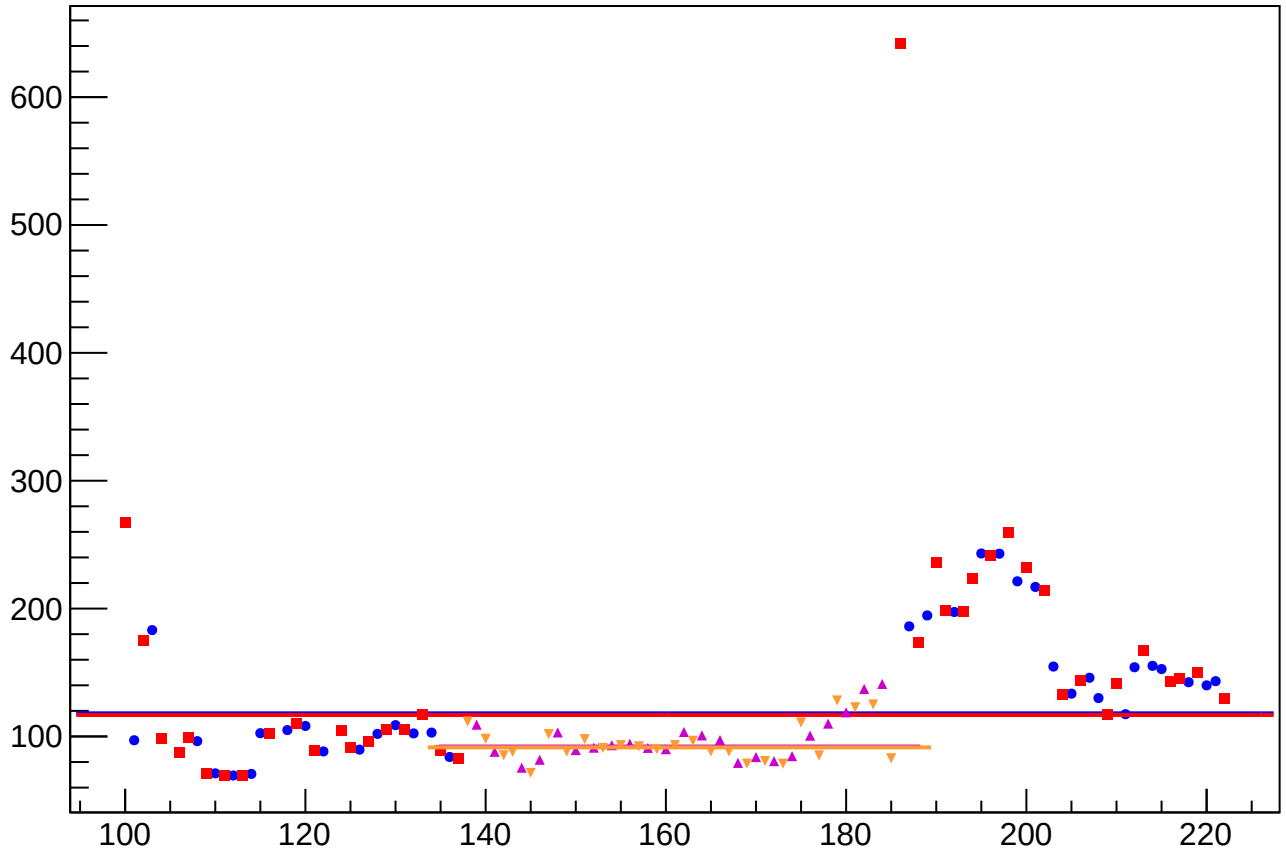
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -75.446+/-18.922 χ^2/NDF: 100.0/71

In: 12.347+/-16.916 χ^2/NDF:79.6/56

Out: 22.295+/-16.573 χ^2/NDF:124.4/62

All: 17.423+/-11.838 χ^2/NDF: 204.2/119



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: 116.820+/-0.019 χ^2/NDF: 5899790.1/37

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

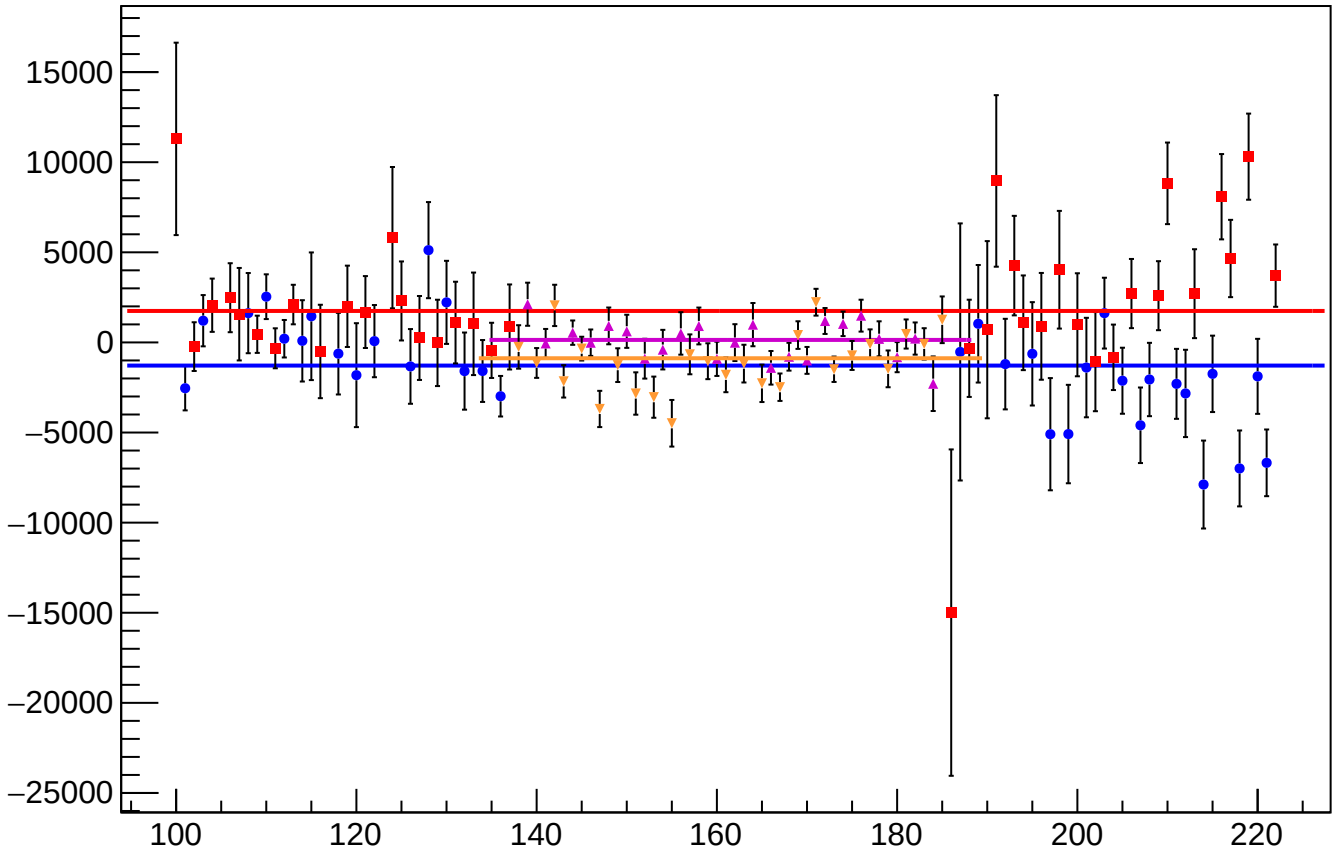
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 117.455+/-0.013 χ^2/NDF: 10384874.0/71

In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

Out: 101.179+/-0.012 χ^2/NDF:7757736.8/62

All: 101.823+/-0.008 χ^2/NDF: 14079254.9/11



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: 1746.284+/-328.181 χ^2/NDF: 60.4/37

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

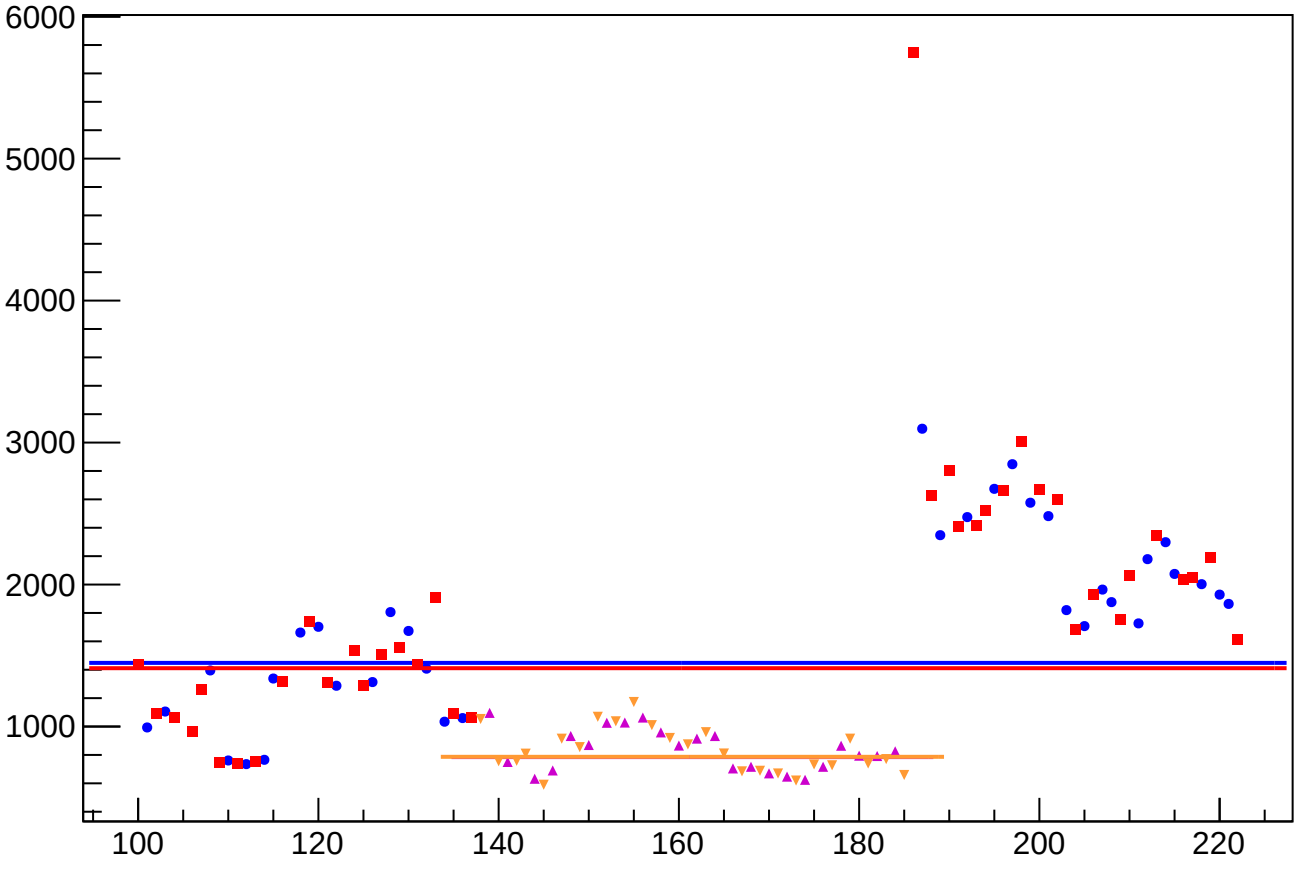
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 250.697+/-233.585 χ^2/NDF: 164.8/71

In: -202.110+/-162.713 χ^2/NDF:100.5/56

Out: -260.113+/-159.289 χ^2/NDF:177.0/62

All: -231.728+/-113.825 χ^2/NDF: 277.5/119



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: 1410.897+/-0.232 χ^2/NDF: 7460721.1/37

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

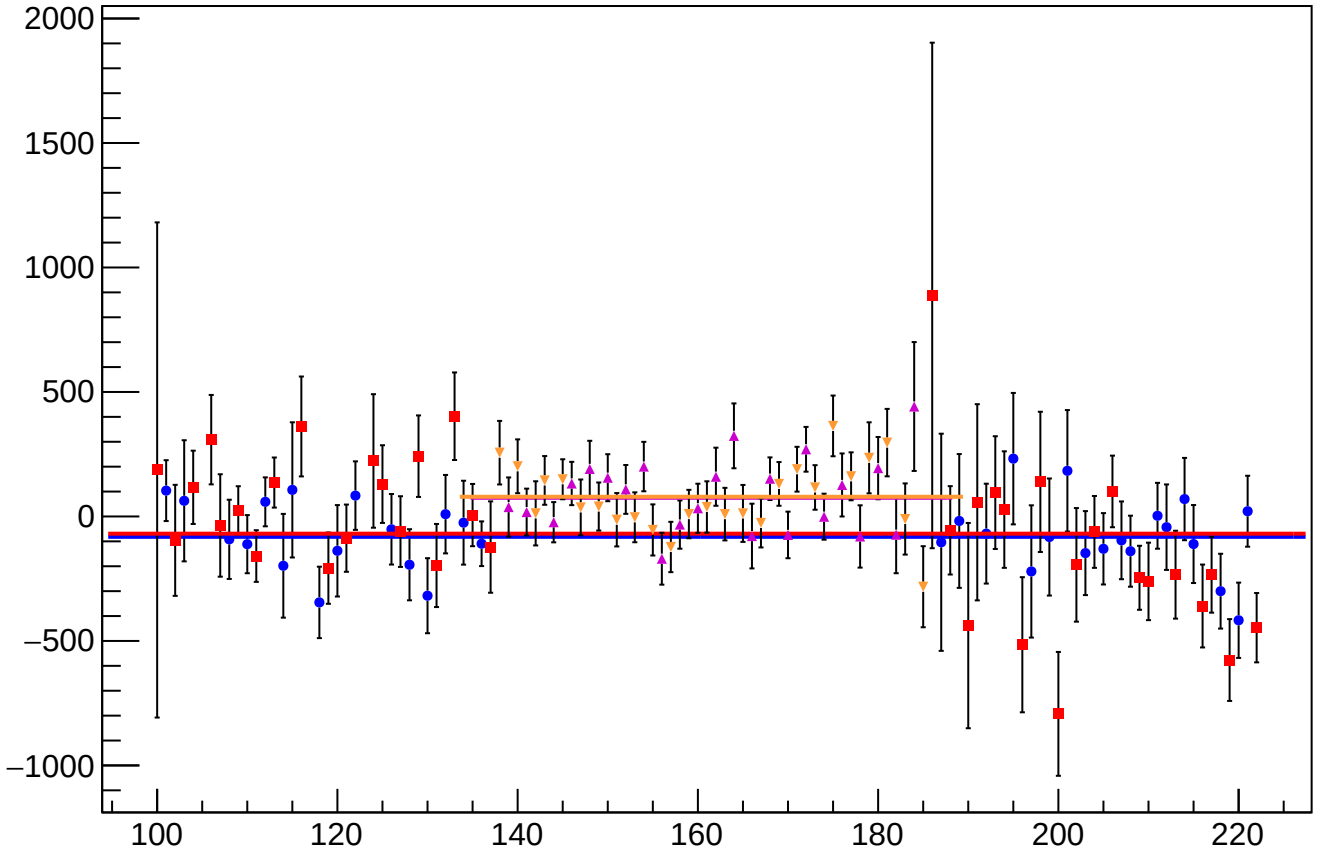
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1429.376+/-0.165 χ^2/NDF: 13360059.4/71

In: 943.691+/-0.115 χ^2/NDF:13006278.7/56

Out: 933.794+/-0.113 χ^2/NDF:14201251.6/62

All: 938.637+/-0.080 χ^2/NDF: 27211308.4/11



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: -69.154+/-26.773 χ^2/NDF: 73.5/37

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

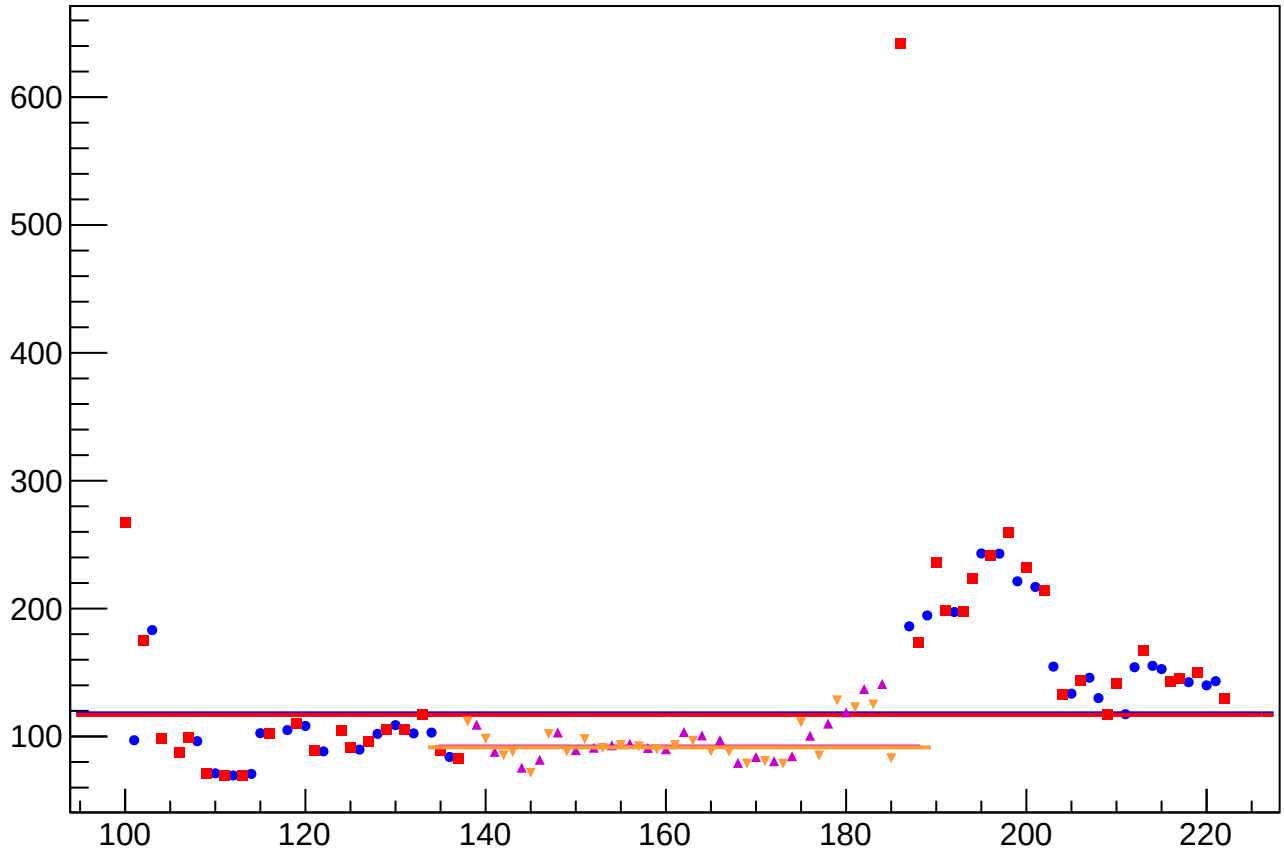
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -75.446+/-18.922 χ^2/NDF: 100.0/71

In: 12.347+/-16.916 χ^2/NDF:79.6/56

Out: 22.295+/-16.573 χ^2/NDF:124.4/62

All: 17.423+/-11.838 χ^2/NDF: 204.2/119



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: 116.820+/-0.019 χ^2/NDF: 5899790.1/37

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

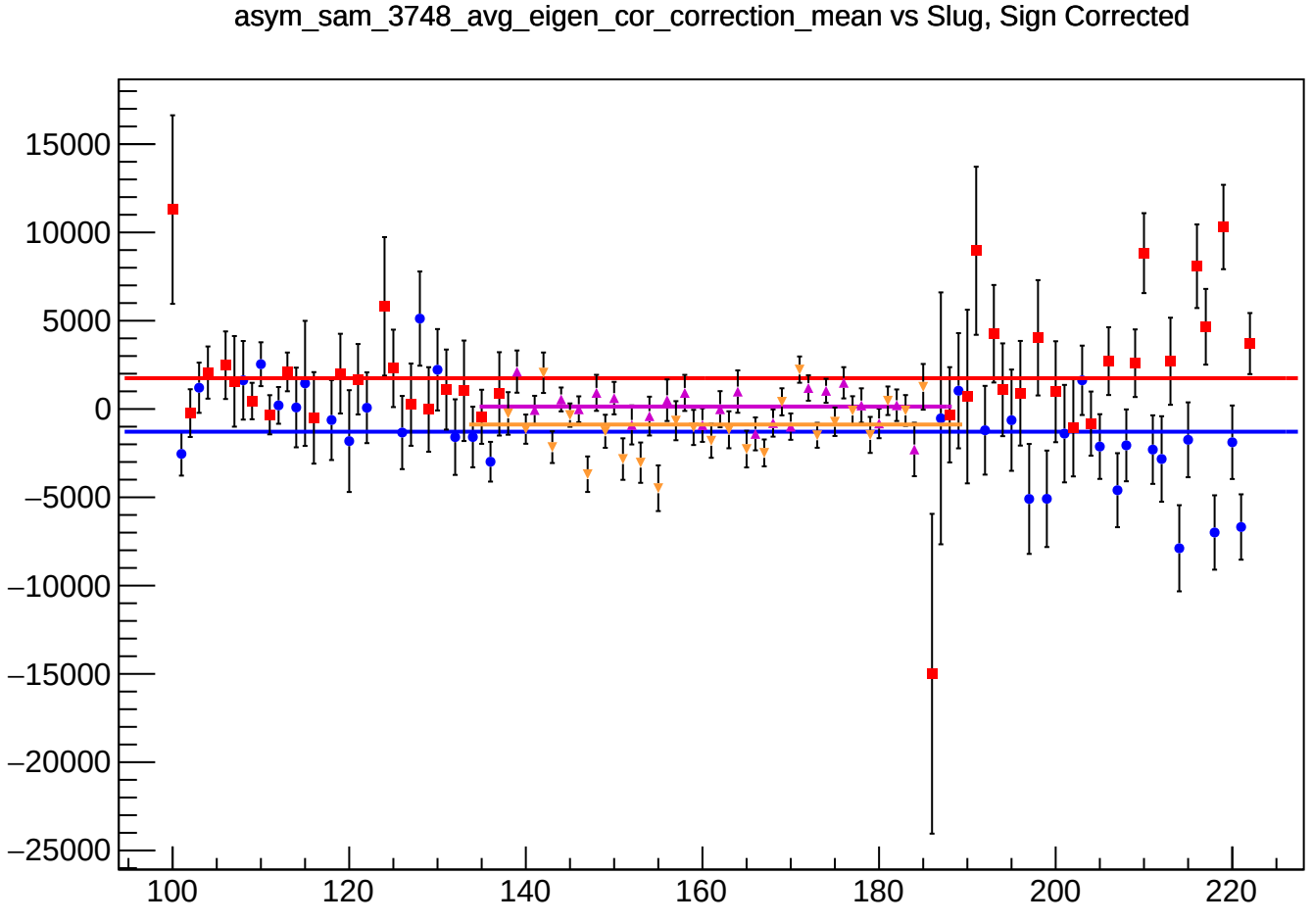
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 117.455+/-0.013 χ^2/NDF: 10384874.0/71

In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

Out: 101.179+/-0.012 χ^2/NDF:7757736.8/62

All: 101.823+/-0.008 χ^2/NDF: 14079254.9/11



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: 1746.284+/-328.181 χ^2/NDF: 60.4/37

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

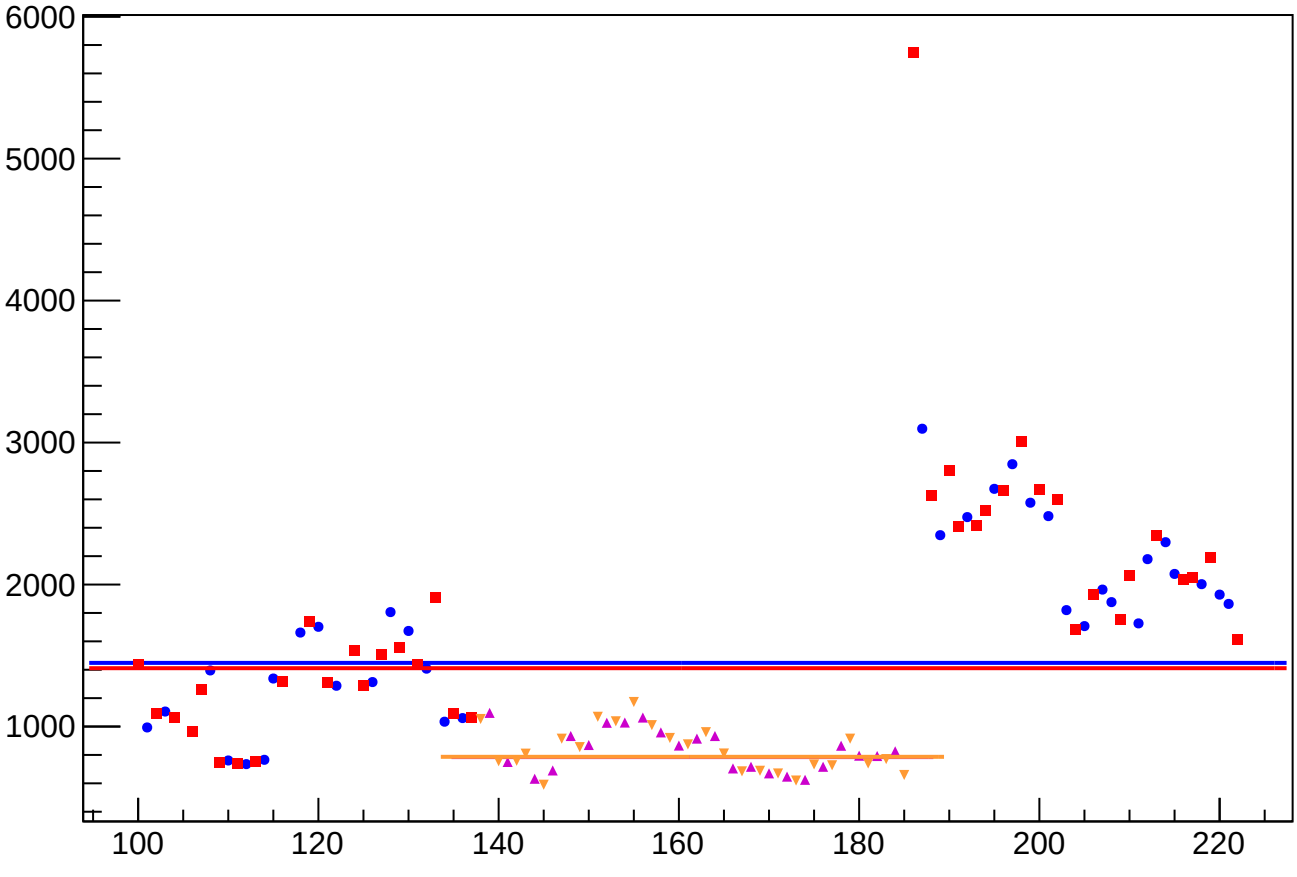
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

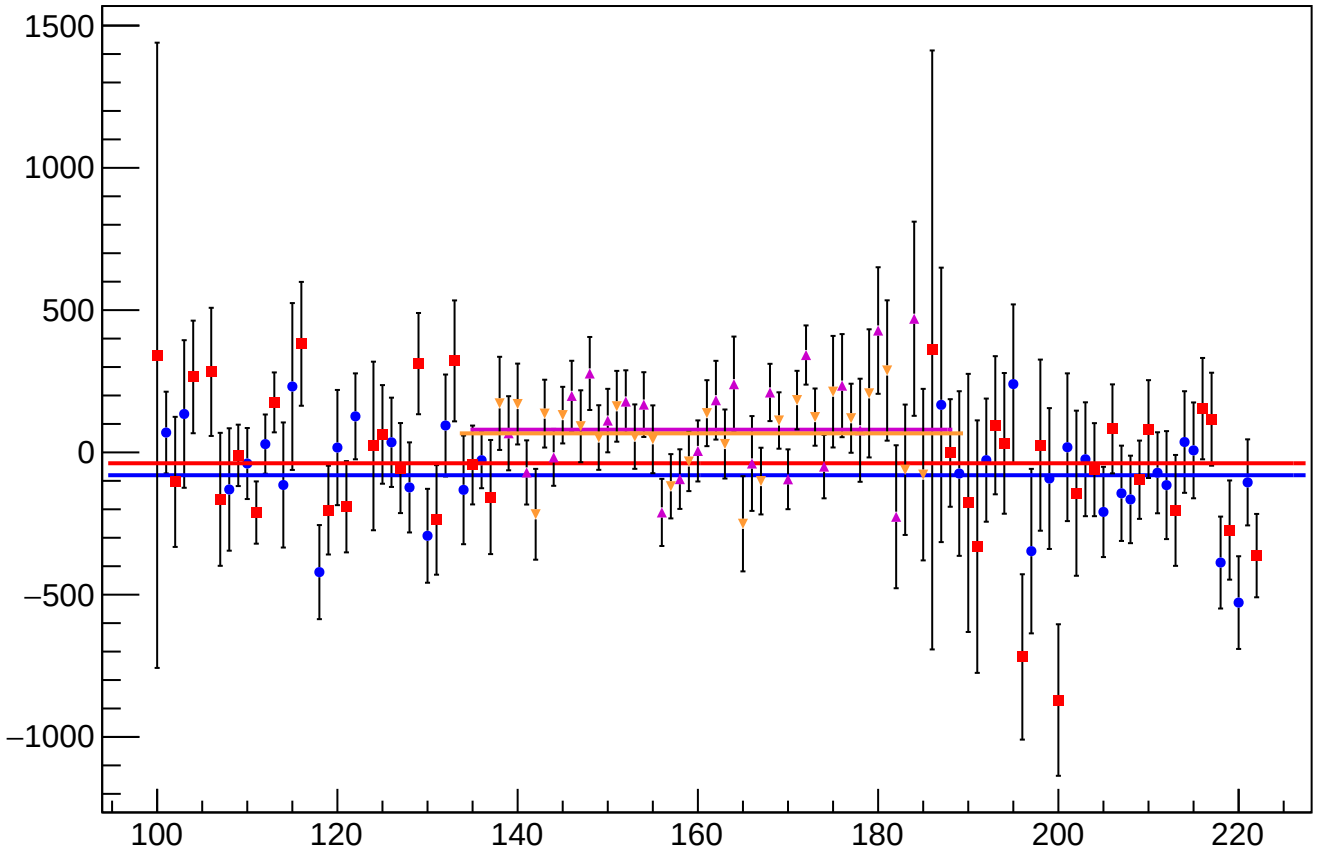
Right: 250.697+/-233.585 χ^2/NDF: 164.8/71

In: -202.110+/-162.713 χ^2/NDF:100.5/56

Out: -260.113+/-159.289 χ^2/NDF:177.0/62

All: -231.728+/-113.825 χ^2/NDF: 277.5/119


asym_sam_3748_avg_eigen_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: 1410.897+/-0.232 χ²/NDF: 7460721.1/37
Left In: 784.833+/-0.132 χ²/NDF:1063746.9/22
Left: 785.819+/-0.092 χ²/NDF: 2274748.8/47
Right: 1429.376+/-0.165 χ²/NDF: 13360059.4/71
In: 943.691+/-0.115 χ²/NDF:13006278.7/56
Out: 933.794+/-0.113 χ²/NDF:14201251.6/62
All: 938.637+/-0.080 χ²/NDF: 27211308.4/11



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: -38.180+/-29.521 χ^2/NDF: 53.2/37

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

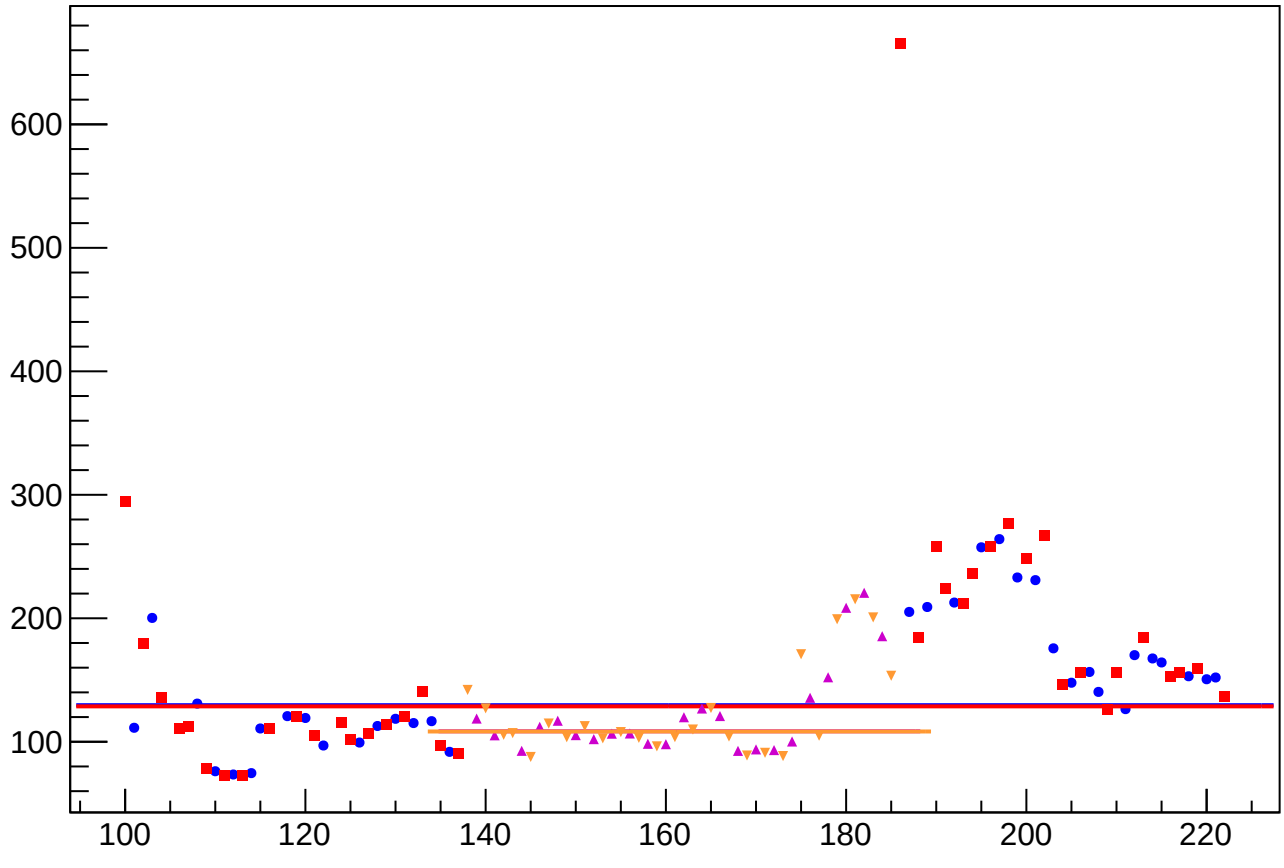
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -59.287+/-20.829 χ^2/NDF: 84.1/71

In: 8.640+/-19.599 χ^2/NDF:83.3/56

Out: 21.829+/-19.334 χ^2/NDF:80.0/62

All: 15.324+/-13.764 χ^2/NDF: 163.5/119



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: 128.667+/-0.021 χ^2/NDF: 5805534.8/37

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

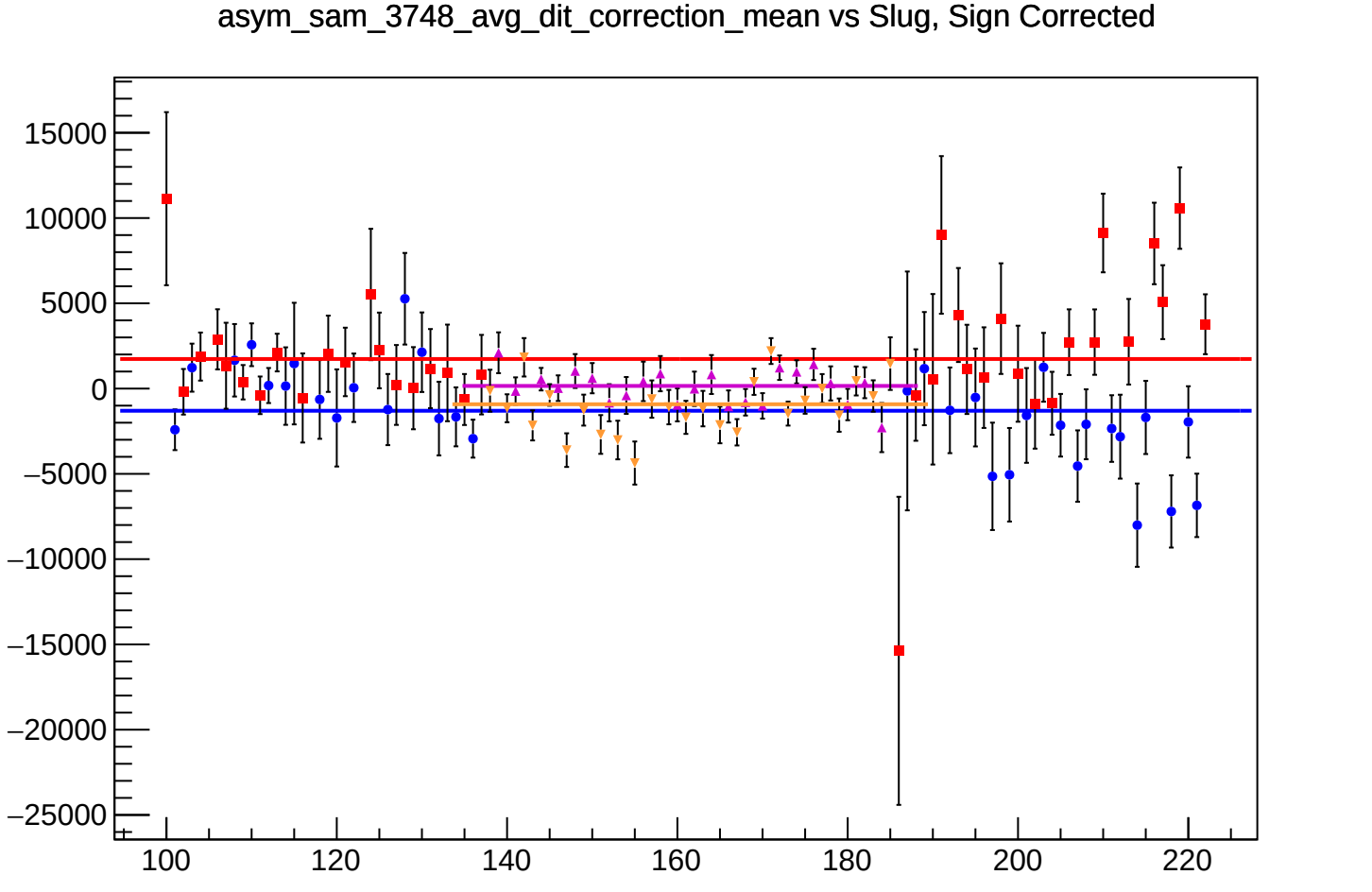
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 129.151+/-0.015 χ^2/NDF: 10176652.1/71

In: 117.891+/-0.014 χ^2/NDF:6323939.9/56

Out: 117.053+/-0.014 χ^2/NDF:8122176.0/62

All: 117.466+/-0.010 χ^2/NDF: 14447968.6/1



Right In: -1300.431+/-332.137 χ^2/NDF: 63.0/33

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1735.387+/-325.565 χ^2/NDF: 65.0/37

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

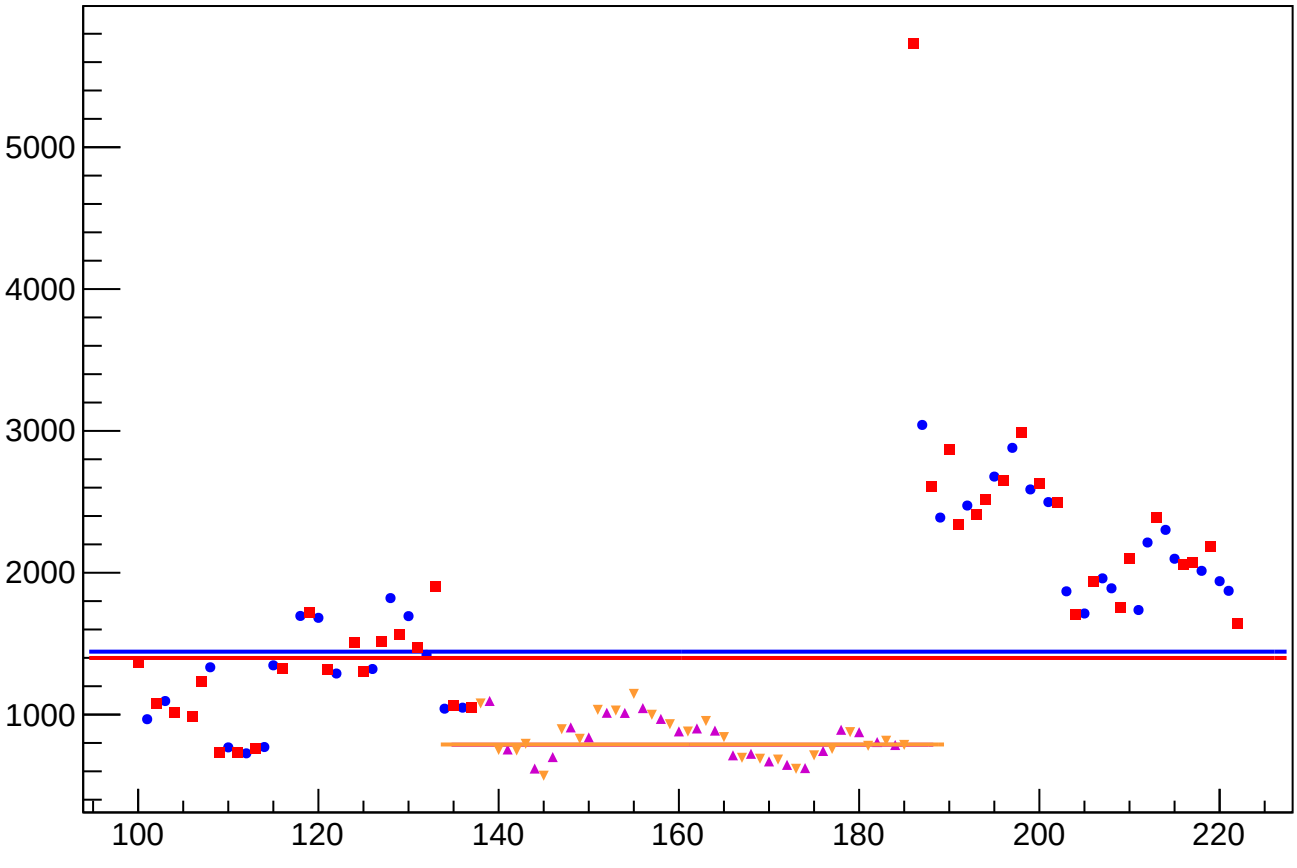
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 247.809+/-232.498 χ^2/NDF: 170.6/71

In: -194.981+/-163.025 χ^2/NDF:100.7/56

Out: -284.341+/-159.168 χ^2/NDF:179.7/62

All: -240.730+/-113.888 χ^2/NDF: 280.5/119



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: 1399.135+/-0.230 χ^2/NDF: 7620508.0/37

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

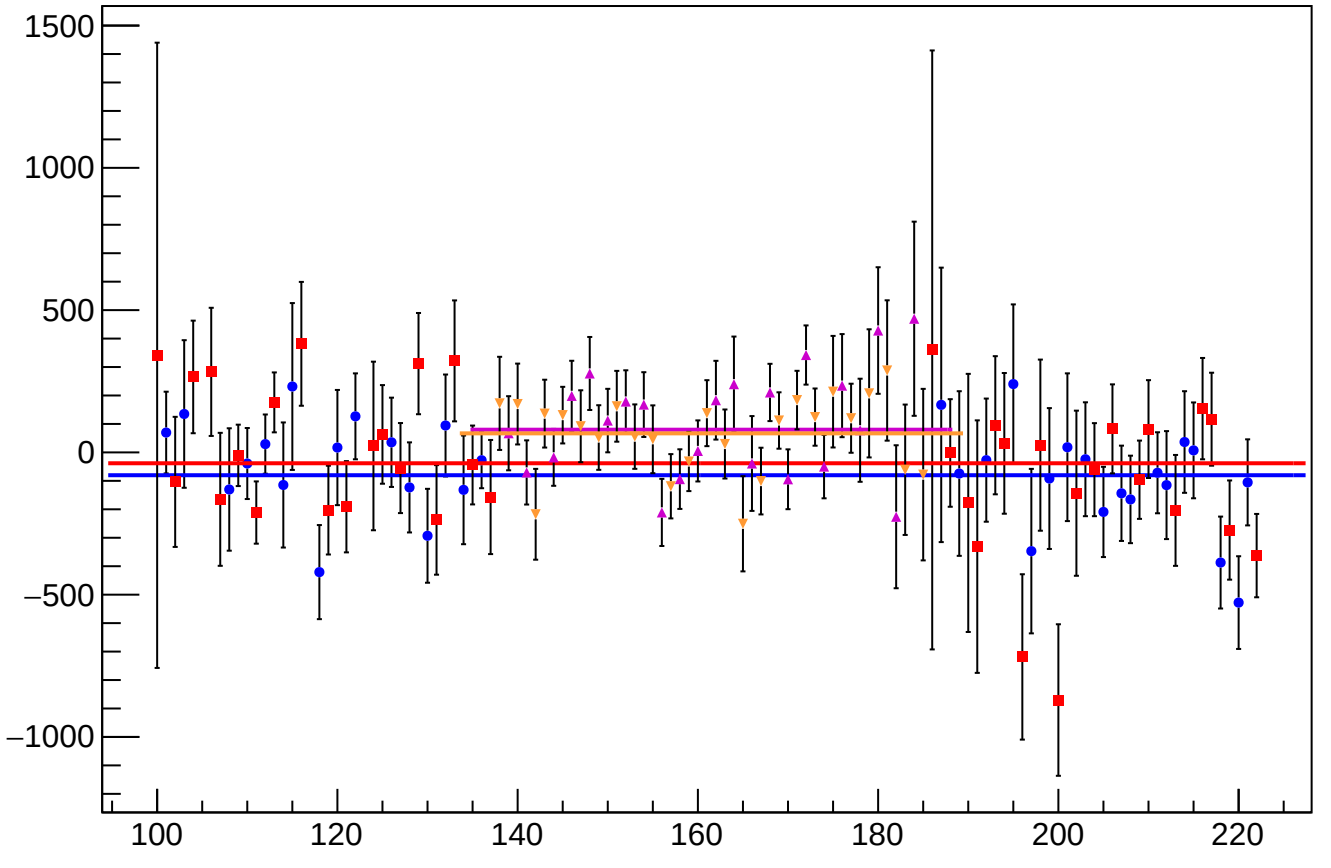
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1420.980+/-0.164 χ^2/NDF: 13704648.5/71

In: 945.512+/-0.115 χ^2/NDF:13035365.9/56

Out: 935.026+/-0.113 χ^2/NDF:14138319.7/62

All: 940.144+/-0.081 χ^2/NDF: 27177922.5/11



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: -38.183+/-29.521 χ^2/NDF: 53.2/37

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

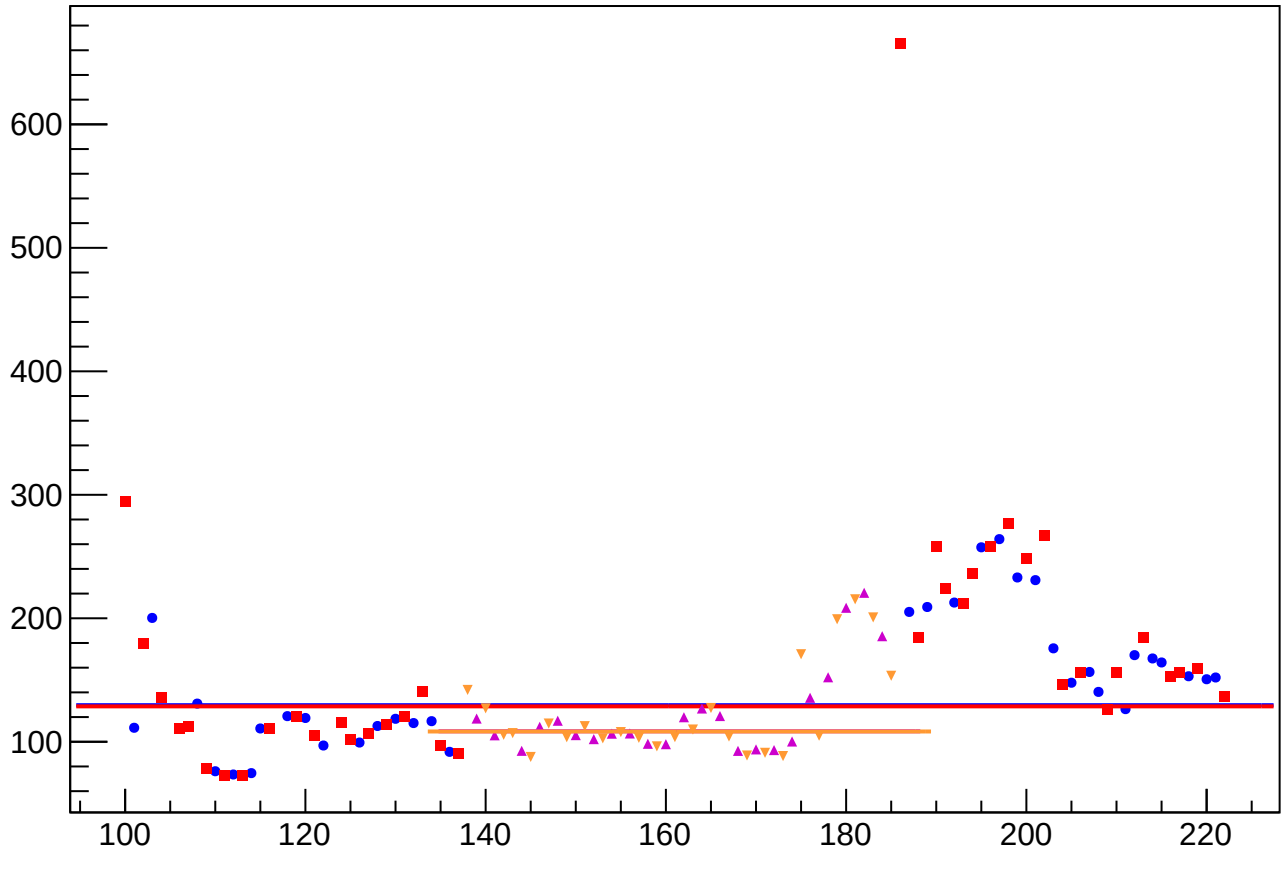
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -59.287+/-20.829 χ^2/NDF: 84.1/71

In: 8.641+/-19.599 χ^2/NDF:83.3/56

Out: 21.828+/-19.334 χ^2/NDF:80.0/62

All: 15.324+/-13.764 χ^2/NDF: 163.5/119



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: 128.667+/-0.021 χ^2/NDF: 5805531.4/37

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

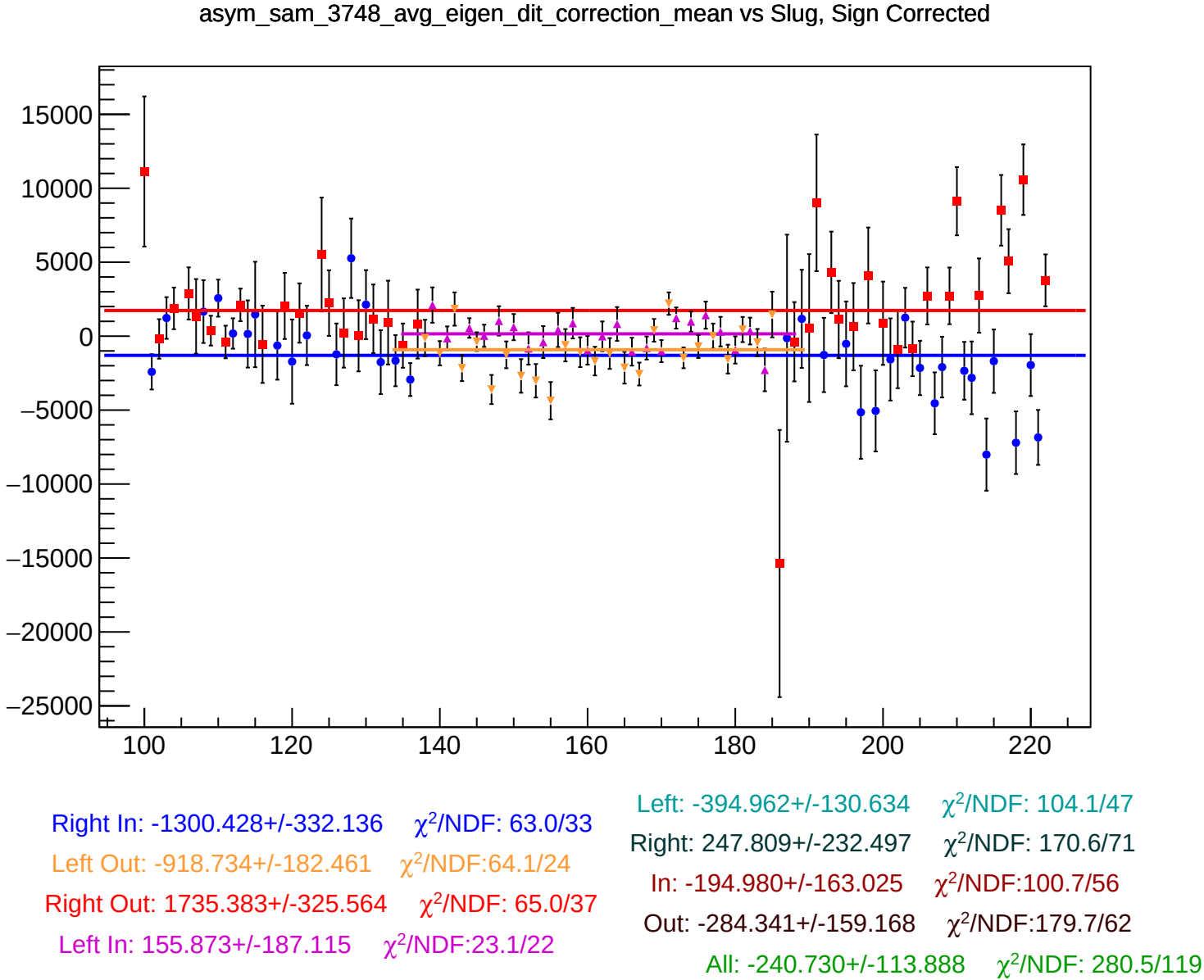
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

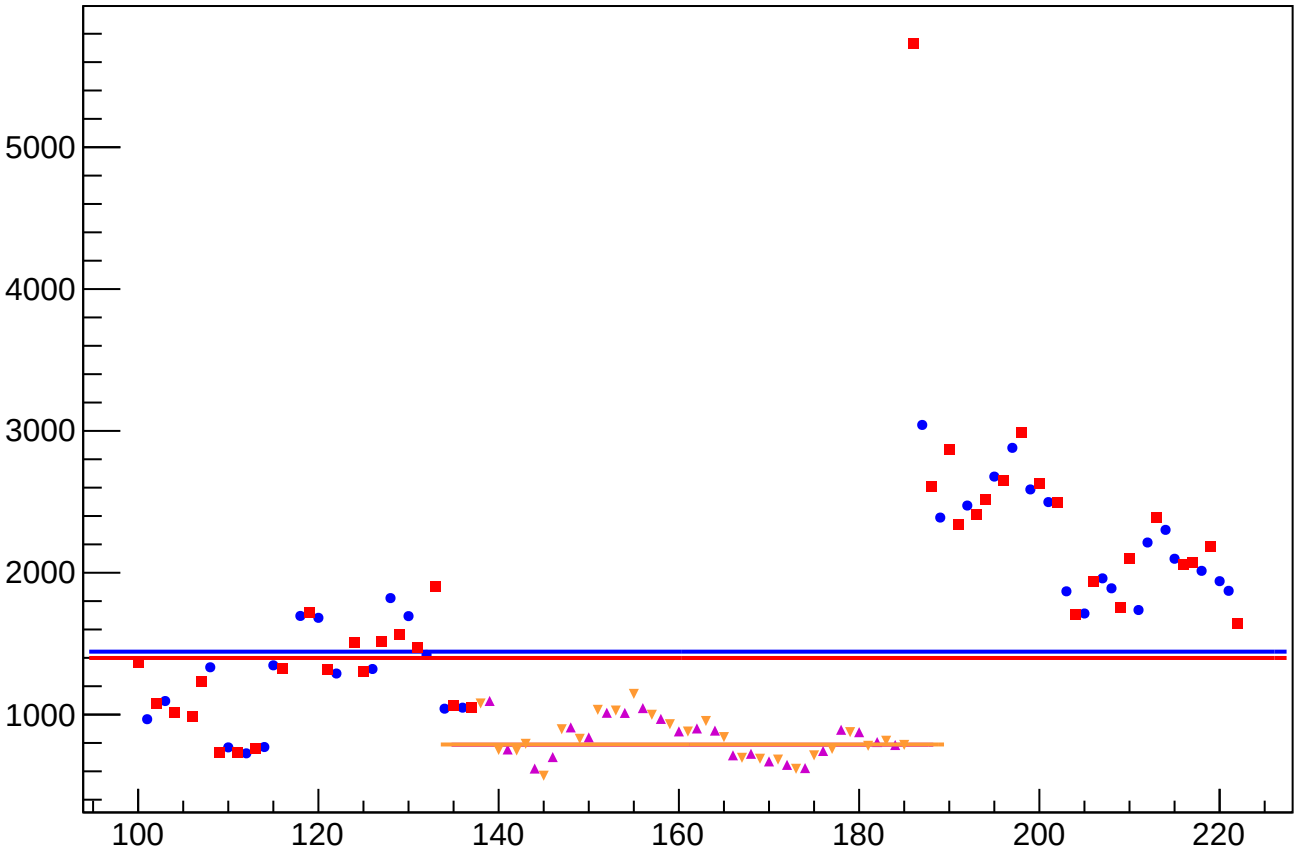
Right: 129.151+/-0.015 χ^2/NDF: 10176629.5/71

In: 117.891+/-0.014 χ^2/NDF:6323889.6/56

Out: 117.053+/-0.014 χ^2/NDF:8122155.2/62

All: 117.466+/-0.010 χ^2/NDF: 14447897.6/1


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -1300.428+/-332.136 χ²/NDF: 63.0/33
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1735.383+/-325.564 χ²/NDF: 65.0/37
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 247.809+/-232.497 χ²/NDF: 170.6/71
In: -194.980+/-163.025 χ²/NDF:100.7/56
Out: -284.341+/-159.168 χ²/NDF:179.7/62
All: -240.730+/-113.888 χ²/NDF: 280.5/119



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: 1399.133+/-0.230 χ^2/NDF: 7620517.8/37

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

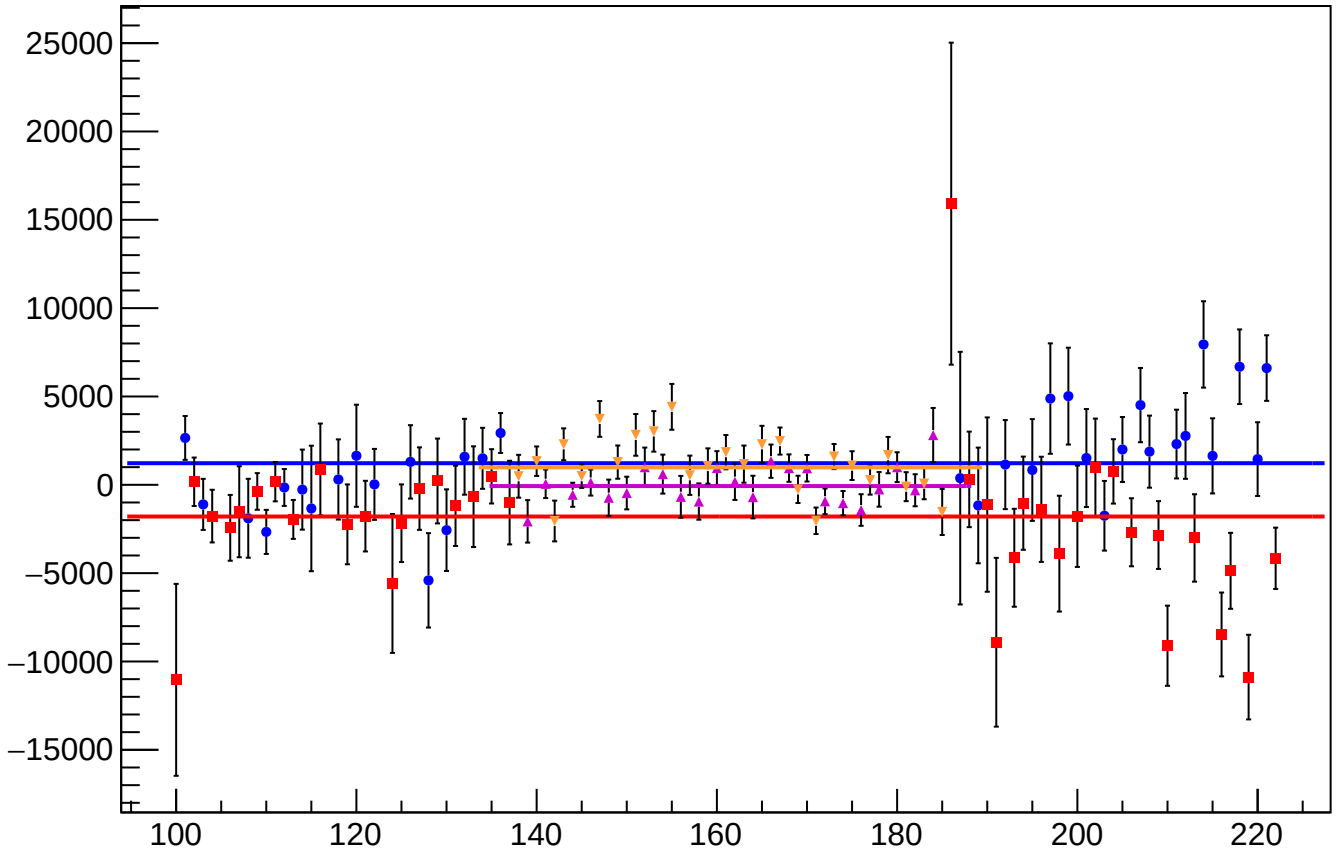
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1420.978+/-0.164 χ^2/NDF: 13704672.9/71

In: 945.511+/-0.115 χ^2/NDF:13035382.6/56

Out: 935.024+/-0.113 χ^2/NDF:14138336.9/62

All: 940.142+/-0.081 χ^2/NDF: 27177956.3/11



Right In: 1222.699+/-334.046 χ^2/NDF: 62.3/33

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1794.162+/-329.320 χ^2/NDF: 64.0/37

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

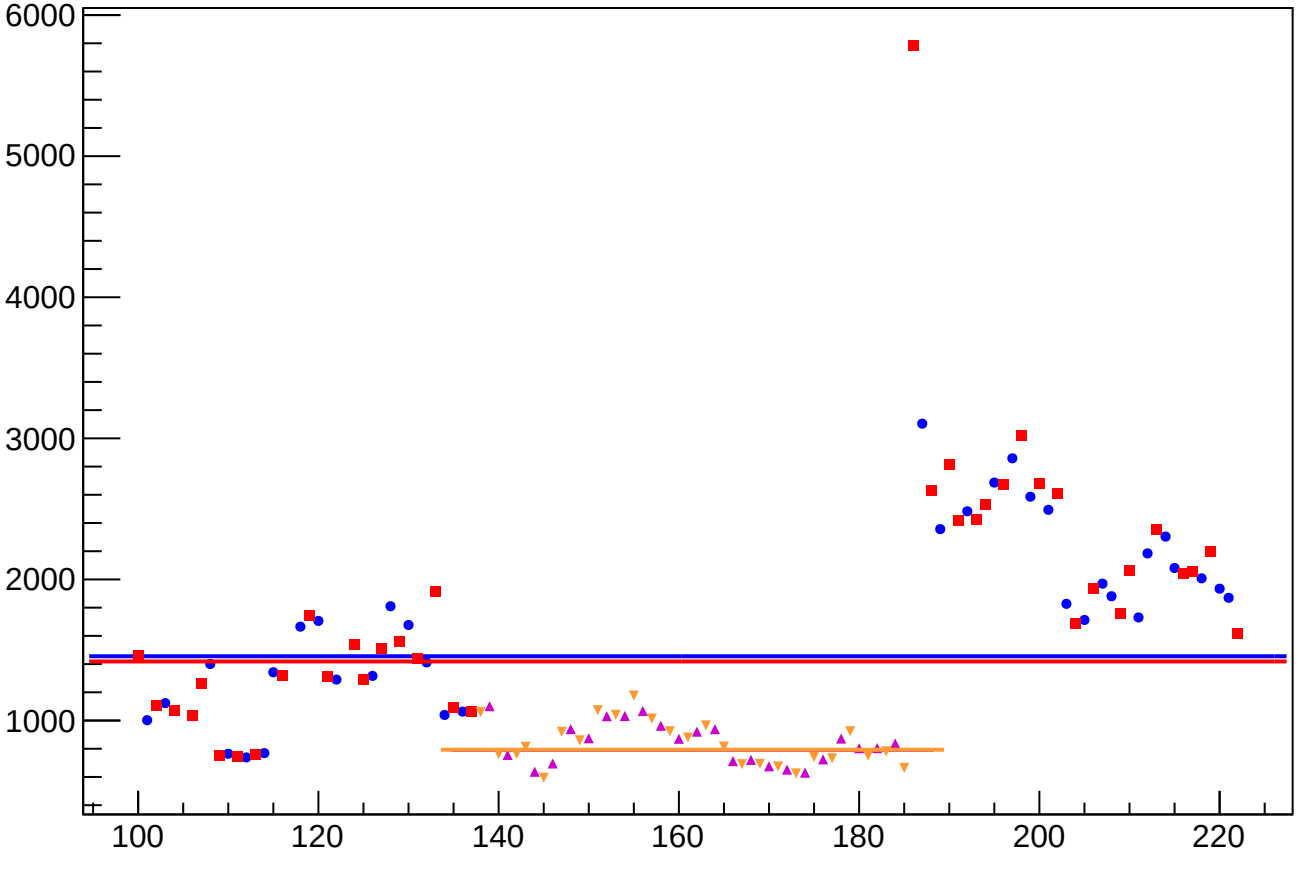
Right: -307.226+/-234.518 χ^2/NDF: 167.7/71

In: 240.979+/-163.859 χ^2/NDF:98.1/56

Out: 326.503+/-160.363 χ^2/NDF:182.1/62

All: 284.663+/-114.610 χ^2/NDF: 280.3/119

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: 1418.750+/-0.233 χ^2/NDF: 7409996.6/37

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

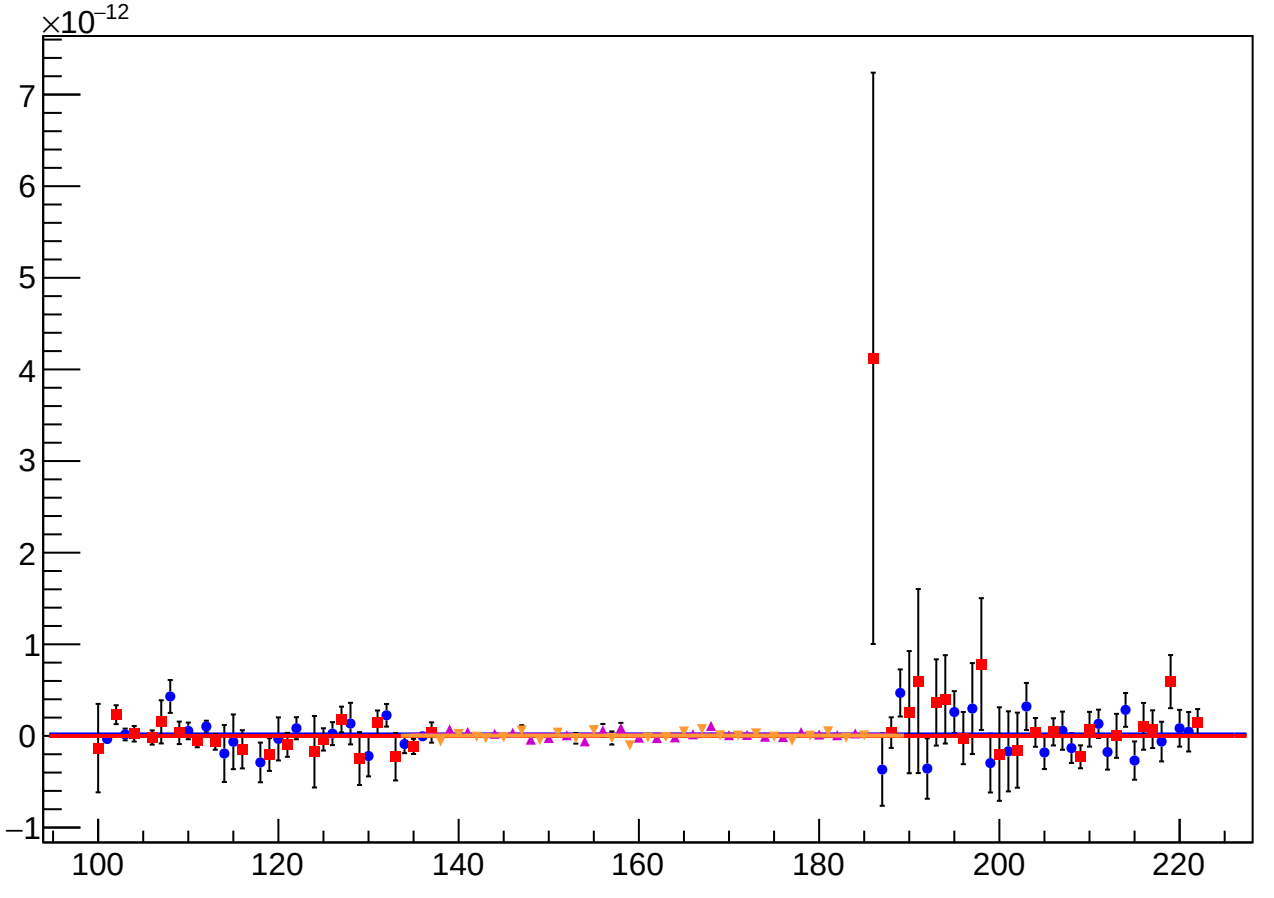
Right: 1436.899+/-0.166 χ^2/NDF: 13274917.9/71

In: 951.026+/-0.116 χ^2/NDF:12910112.8/56

Out: 941.417+/-0.113 χ^2/NDF:14111803.2/62

All: 946.118+/-0.081 χ^2/NDF: 27025428.7/11

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: 30.2/37

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

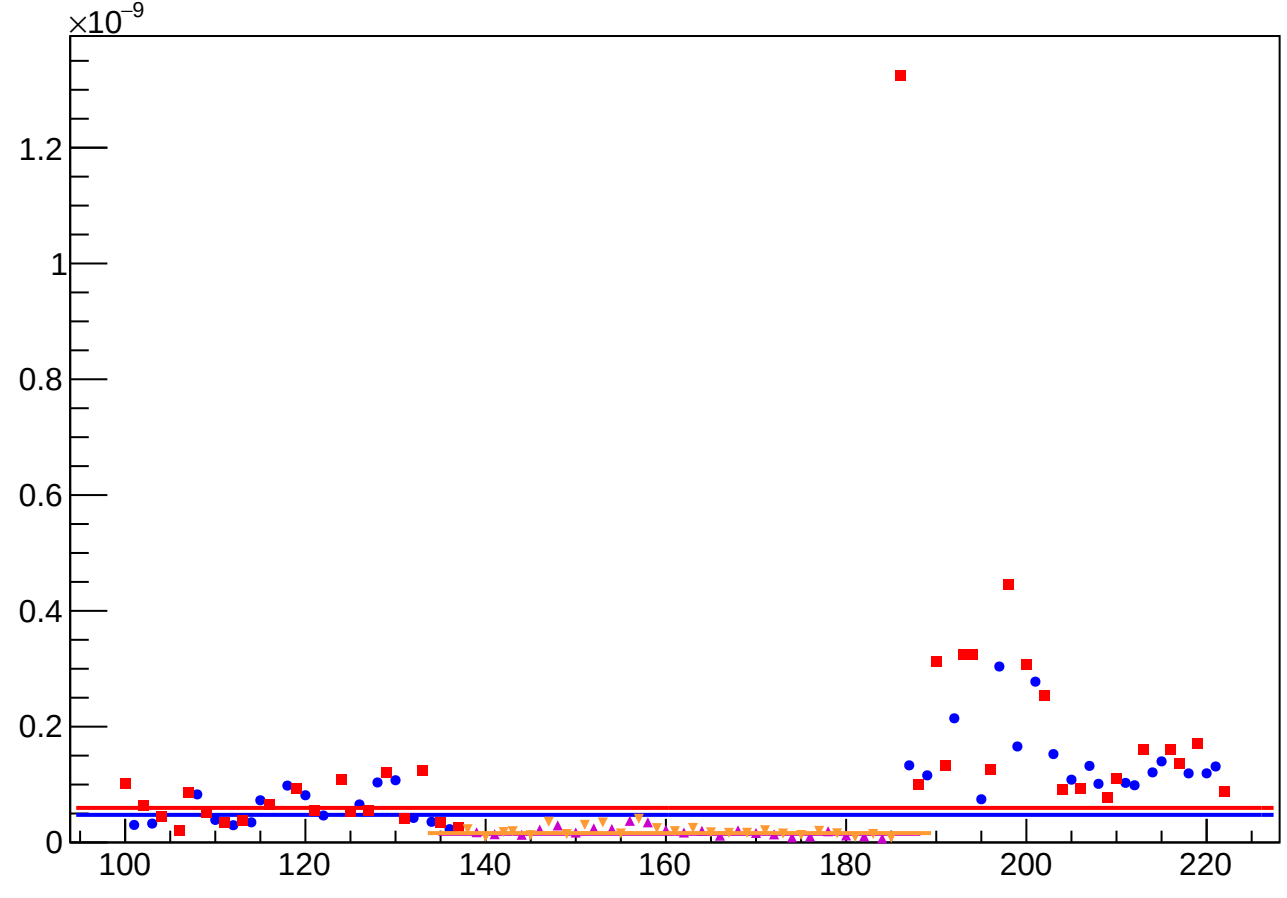
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 64.6/71

In: 0.000+/-0.000 χ^2/NDF:59.4/56

Out: 0.000+/-0.000 χ^2/NDF:64.2/62

All: 0.000+/-0.000 χ^2/NDF: 124.7/119



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: 6994413.4/37

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

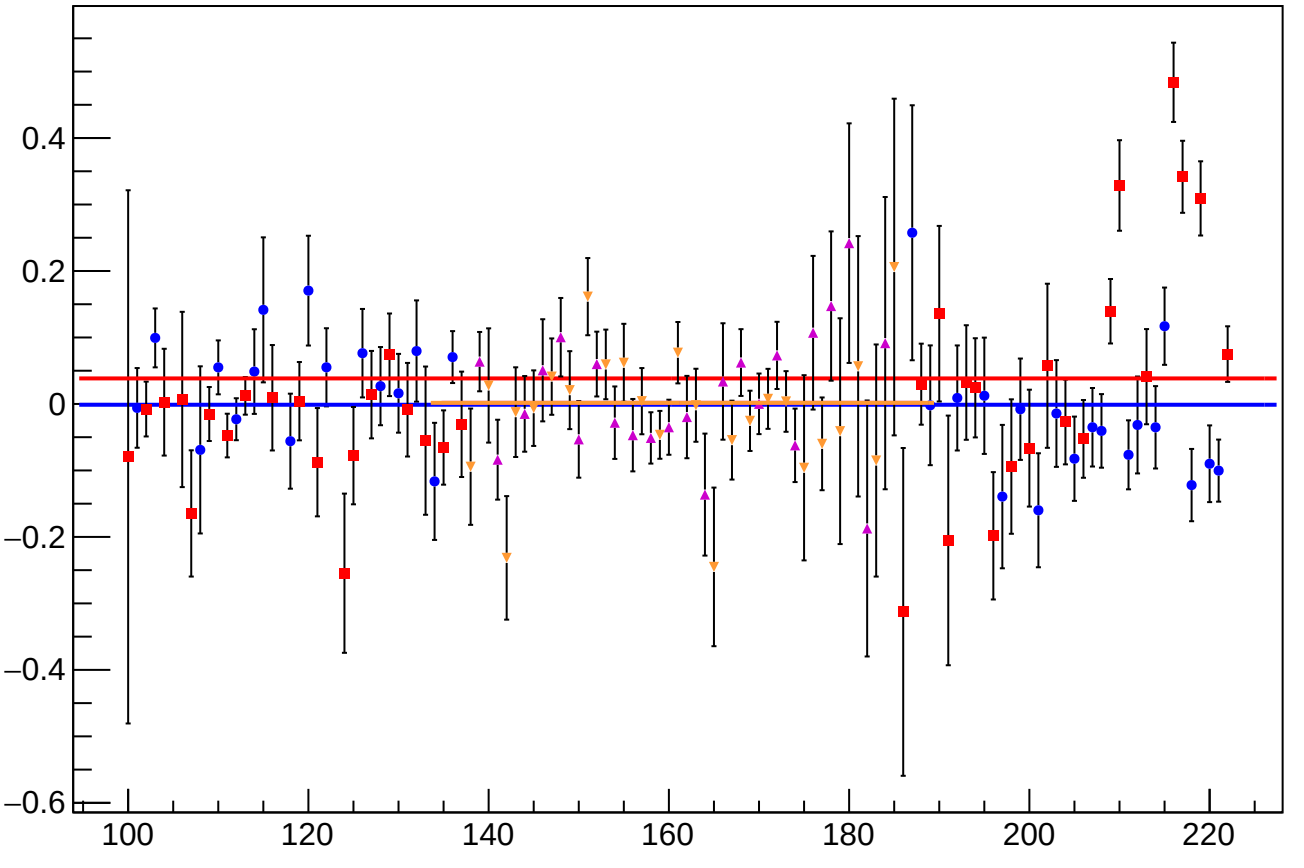
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14314757.6/71

In: 0.000+/-0.000 χ^2/NDF:13497865.0/56

Out: 0.000+/-0.000 χ^2/NDF:14884989.0/62

All: 0.000+/-0.000 χ^2/NDF: 28427115.3/119



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: 0.038+/-0.010 χ^2/NDF: 183.8/37

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

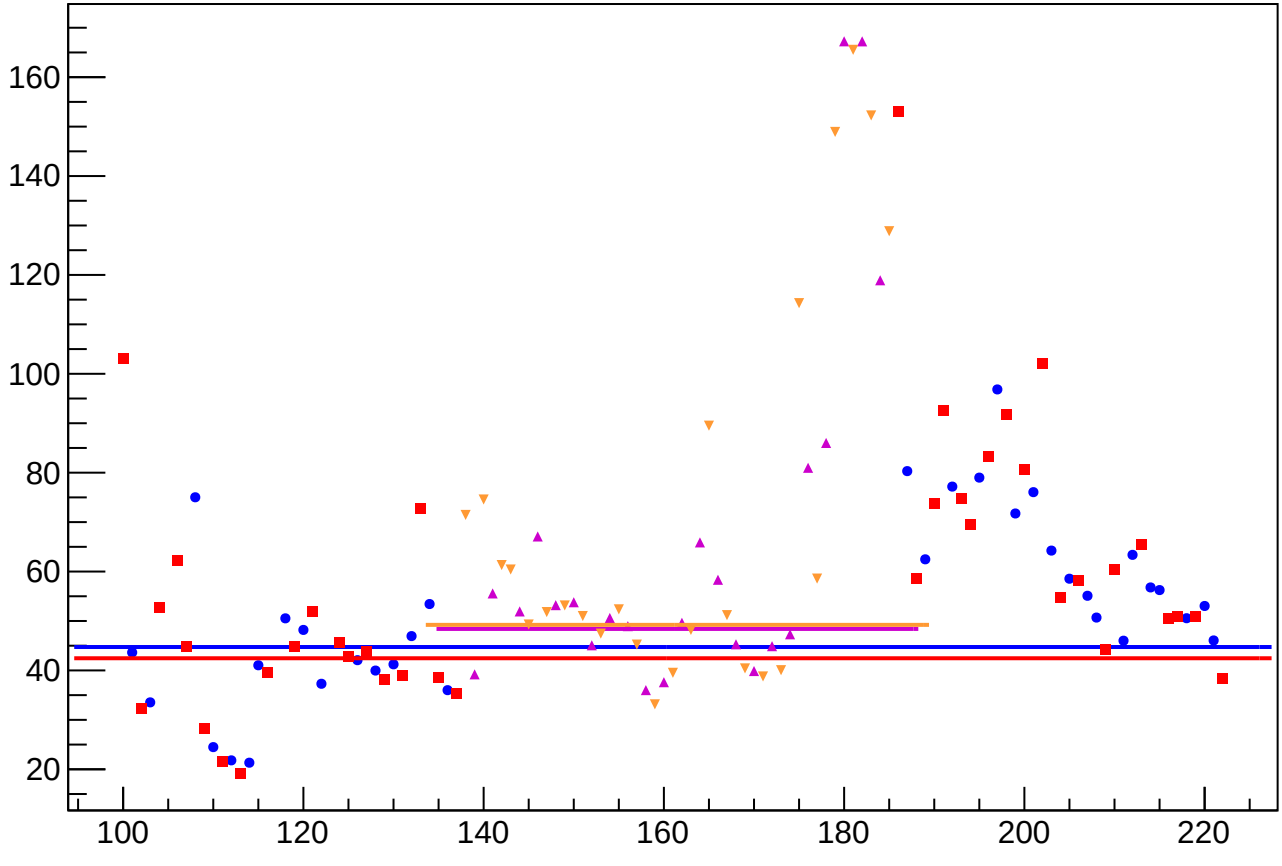
Right: 0.019+/-0.007 χ^2/NDF: 243.1/71

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.024+/-0.008 χ^2/NDF:219.6/62

All: 0.012+/-0.006 χ^2/NDF: 302.0/119

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: 42.460+/-0.007 χ^2/NDF: 6625858.1/37

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

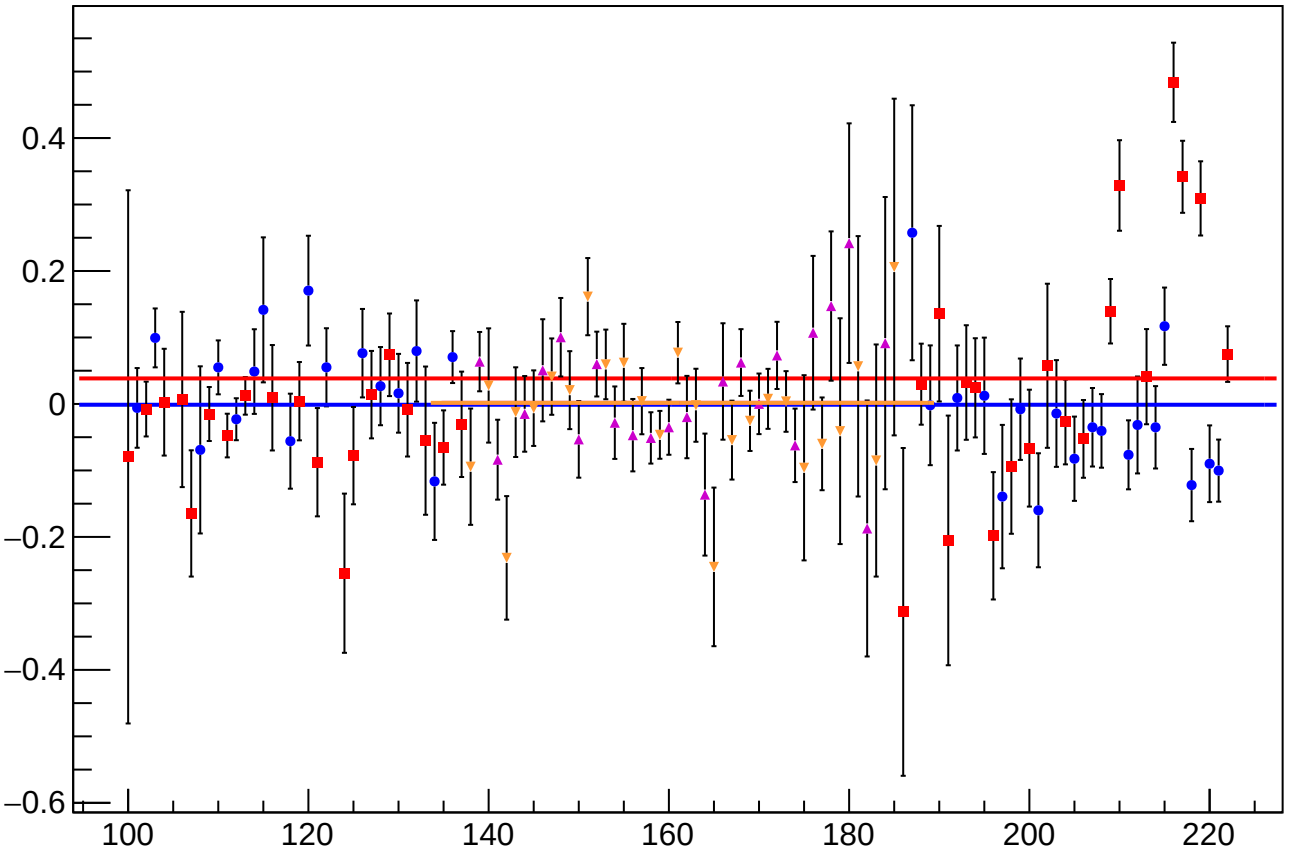
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.566+/-0.005 χ^2/NDF: 11364204.5/71

In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.185+/-0.006 χ^2/NDF:11157681.5/62

All: 45.707+/-0.004 χ^2/NDF: 19000756.2/119



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: 0.038+/-0.010 χ^2/NDF: 183.8/37

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

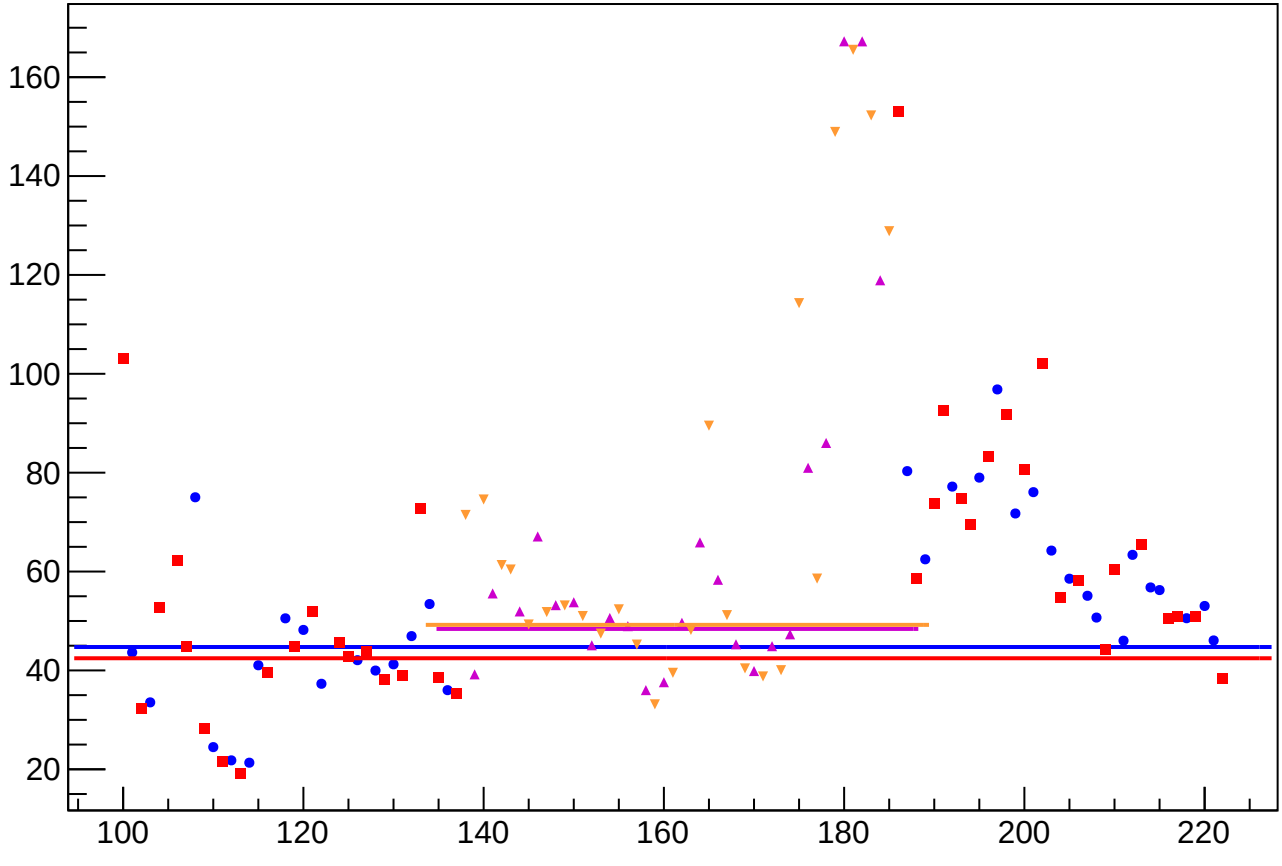
Right: 0.019+/-0.007 χ^2/NDF: 243.1/71

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.024+/-0.008 χ^2/NDF:219.6/62

All: 0.012+/-0.006 χ^2/NDF: 302.0/119

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: 42.460+/-0.007 χ^2/NDF: 6625858.1/37

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

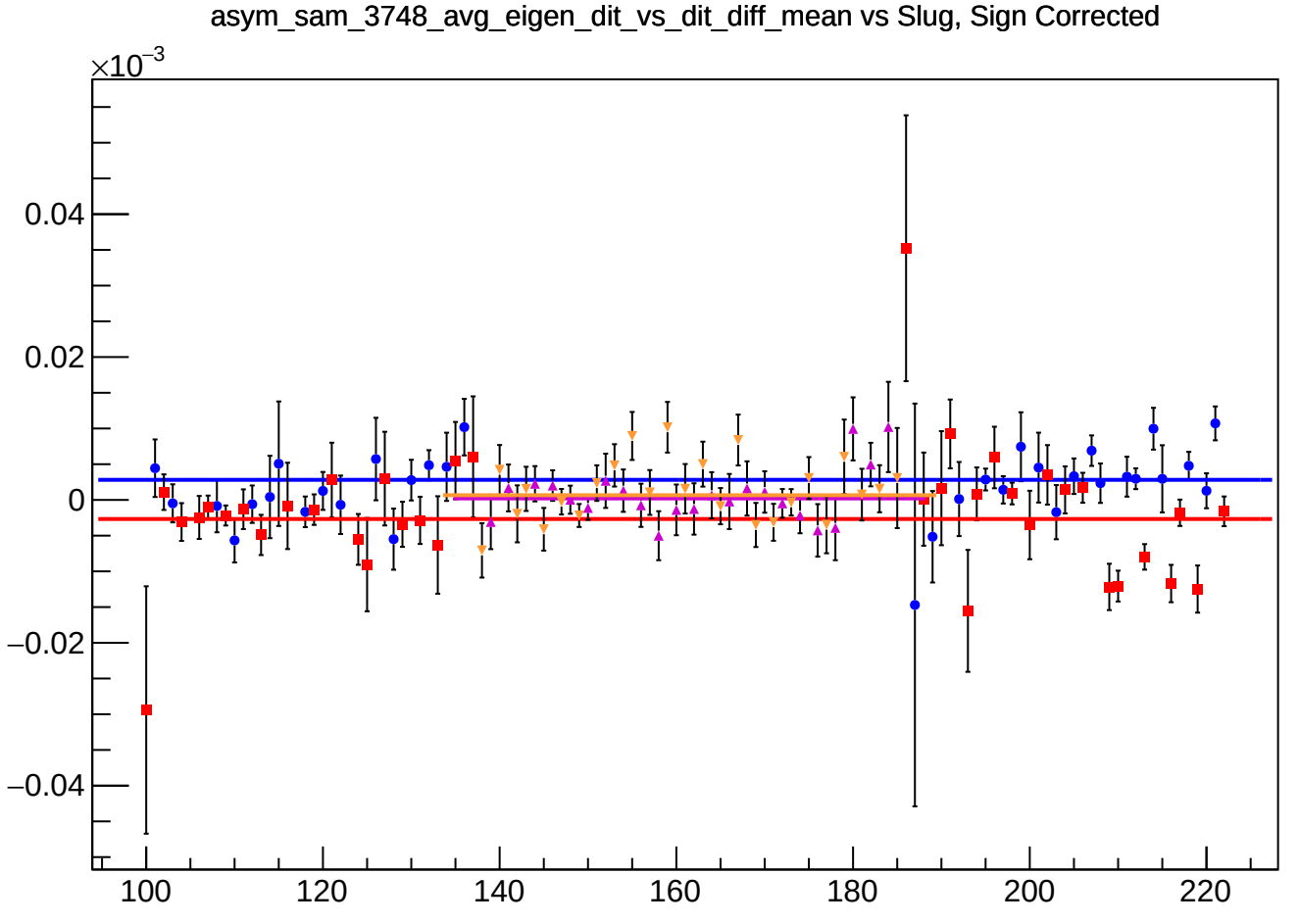
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

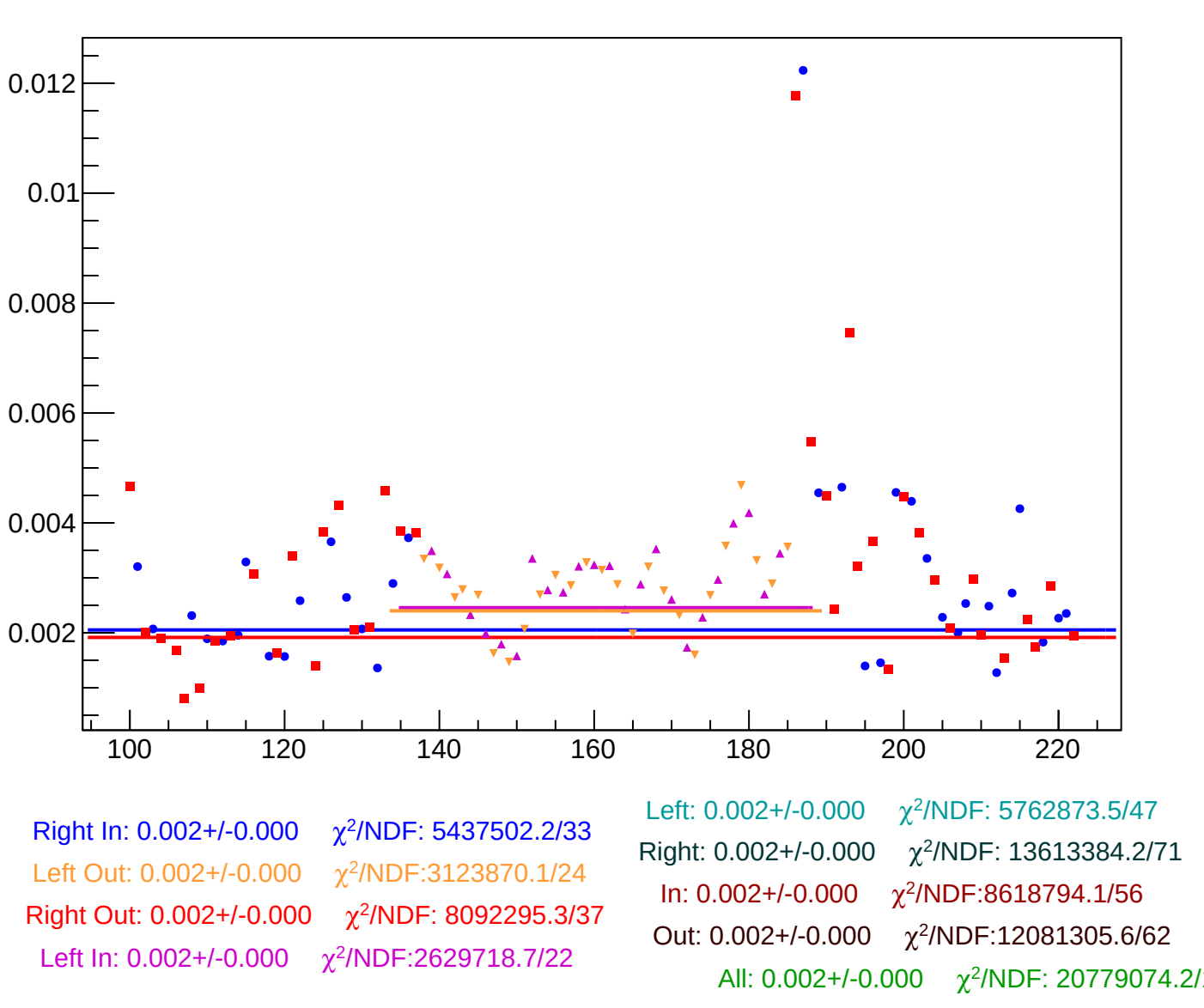
Right: 43.566+/-0.005 χ^2/NDF: 11364204.5/71

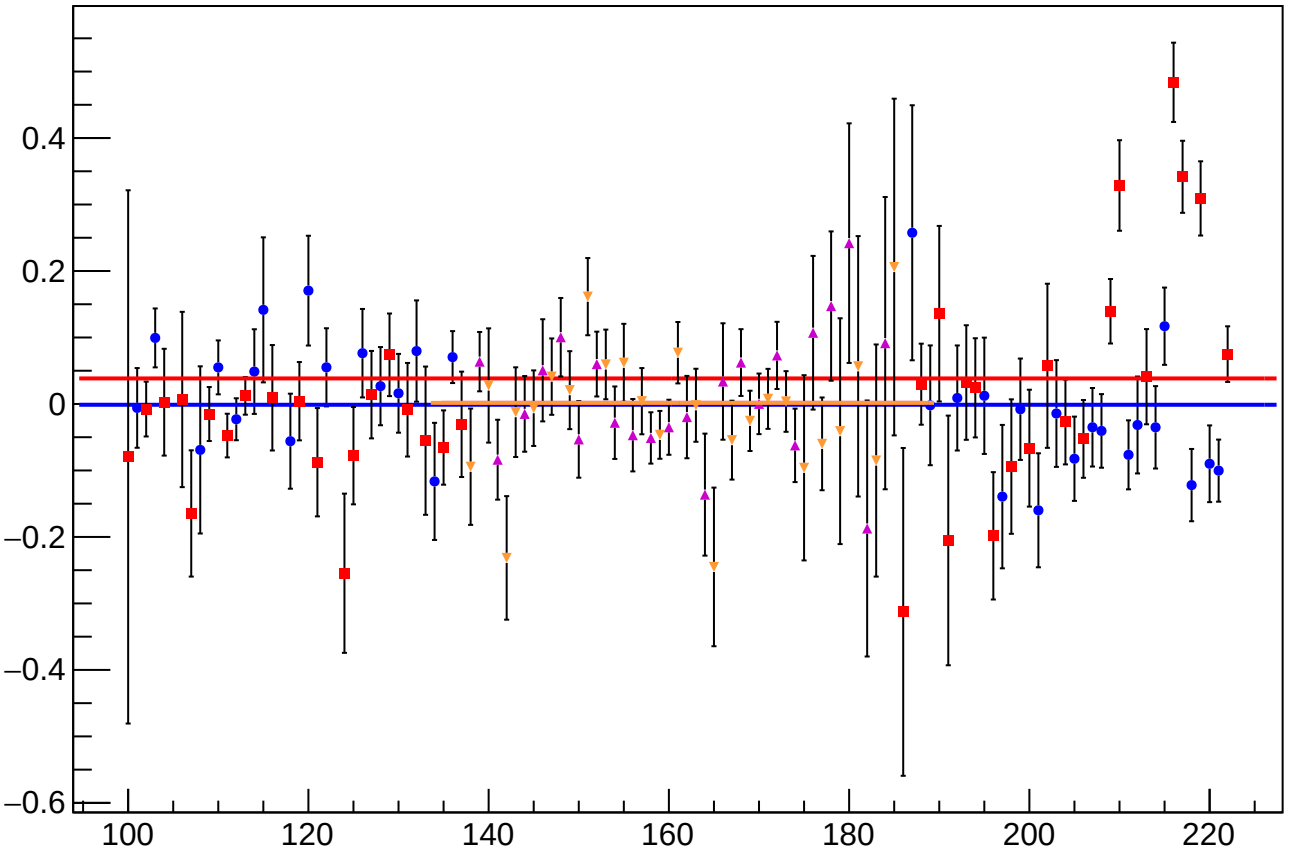
In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.185+/-0.006 χ^2/NDF:11157681.5/62

All: 45.707+/-0.004 χ^2/NDF: 19000756.2/119


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 53.6/33
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 103.4/37
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 61.7/47
Right: -0.000+/-0.000 χ²/NDF: 224.7/71
In: 0.000+/-0.000 χ²/NDF:84.8/56
Out: -0.000+/-0.000 χ²/NDF:165.6/62
All: 0.000+/-0.000 χ²/NDF: 287.2/119


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 5437502.2/33
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 8092295.3/37
Left In: 0.002+/-0.000 χ²/NDF:2629718.7/22
Left: 0.002+/-0.000 χ²/NDF: 5762873.5/47
Right: 0.002+/-0.000 χ²/NDF: 13613384.2/71
In: 0.002+/-0.000 χ²/NDF:8618794.1/56
Out: 0.002+/-0.000 χ²/NDF:12081305.6/62
All: 0.002+/-0.000 χ²/NDF: 20779074.2/119



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: 0.038+/-0.010 χ^2/NDF: 183.8/37

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

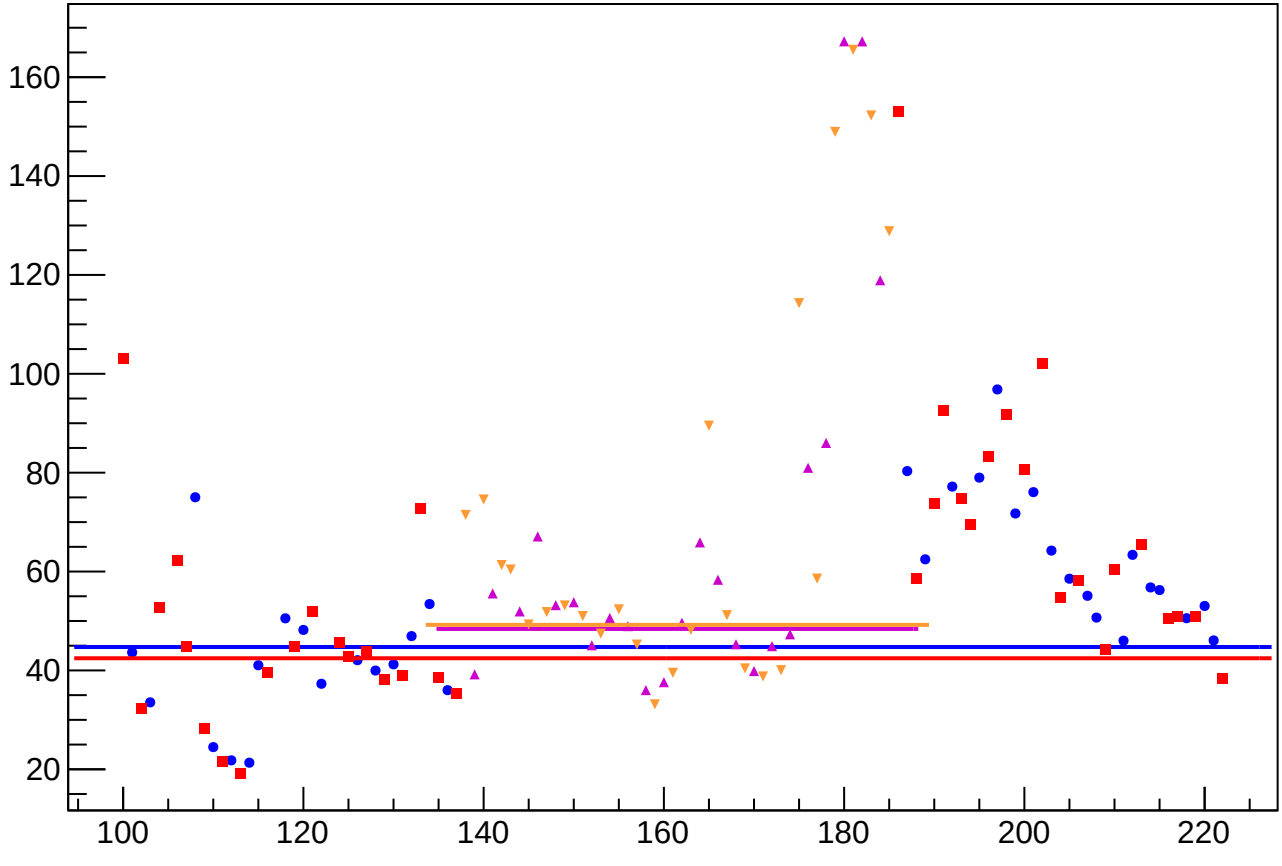
Right: 0.019+/-0.007 χ^2/NDF: 243.1/71

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.024+/-0.008 χ^2/NDF:219.5/62

All: 0.012+/-0.006 χ^2/NDF: 302.0/119

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: 42.461+/-0.007 χ^2/NDF: 6625766.5/37

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

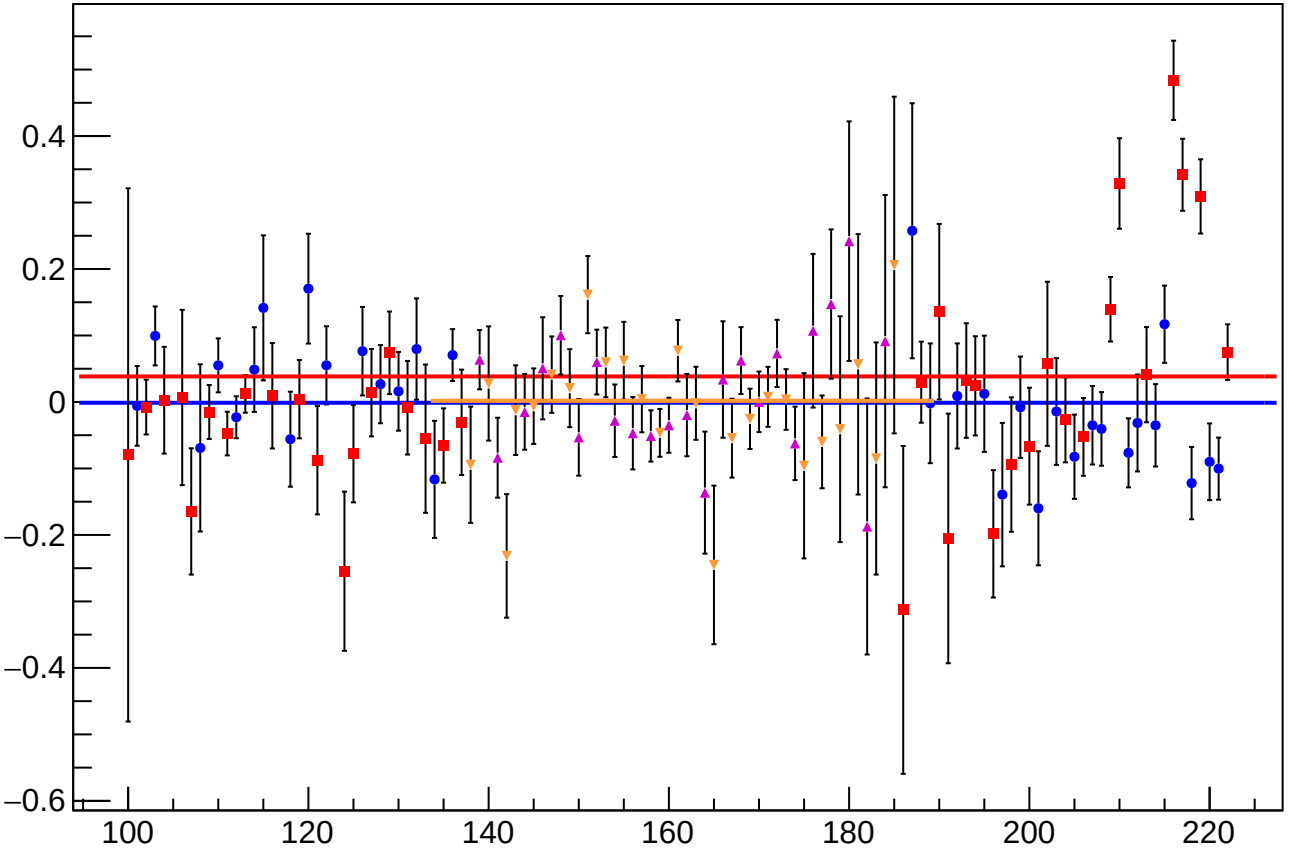
Right: 43.566+/-0.005 χ^2/NDF: 11363952.5/71

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.186+/-0.006 χ^2/NDF:11157586.7/62

All: 45.707+/-0.004 χ^2/NDF: 19000484.2/119

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: 0.038+/-0.010 χ^2/NDF: 183.8/37

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

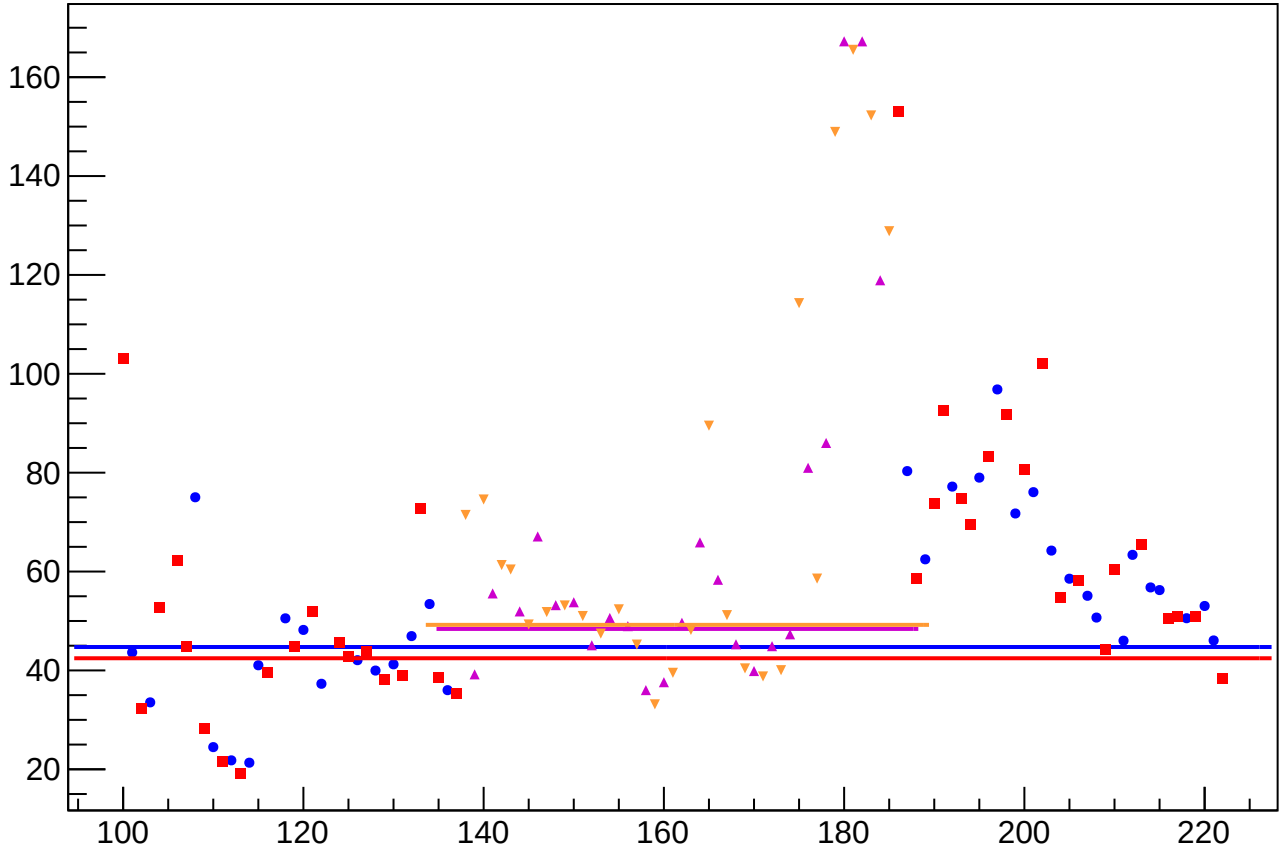
Right: 0.019+/-0.007 χ^2/NDF: 243.1/71

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.024+/-0.008 χ^2/NDF:219.5/62

All: 0.012+/-0.006 χ^2/NDF: 302.0/119

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: 42.461+/-0.007 χ^2/NDF: 6625766.5/37

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

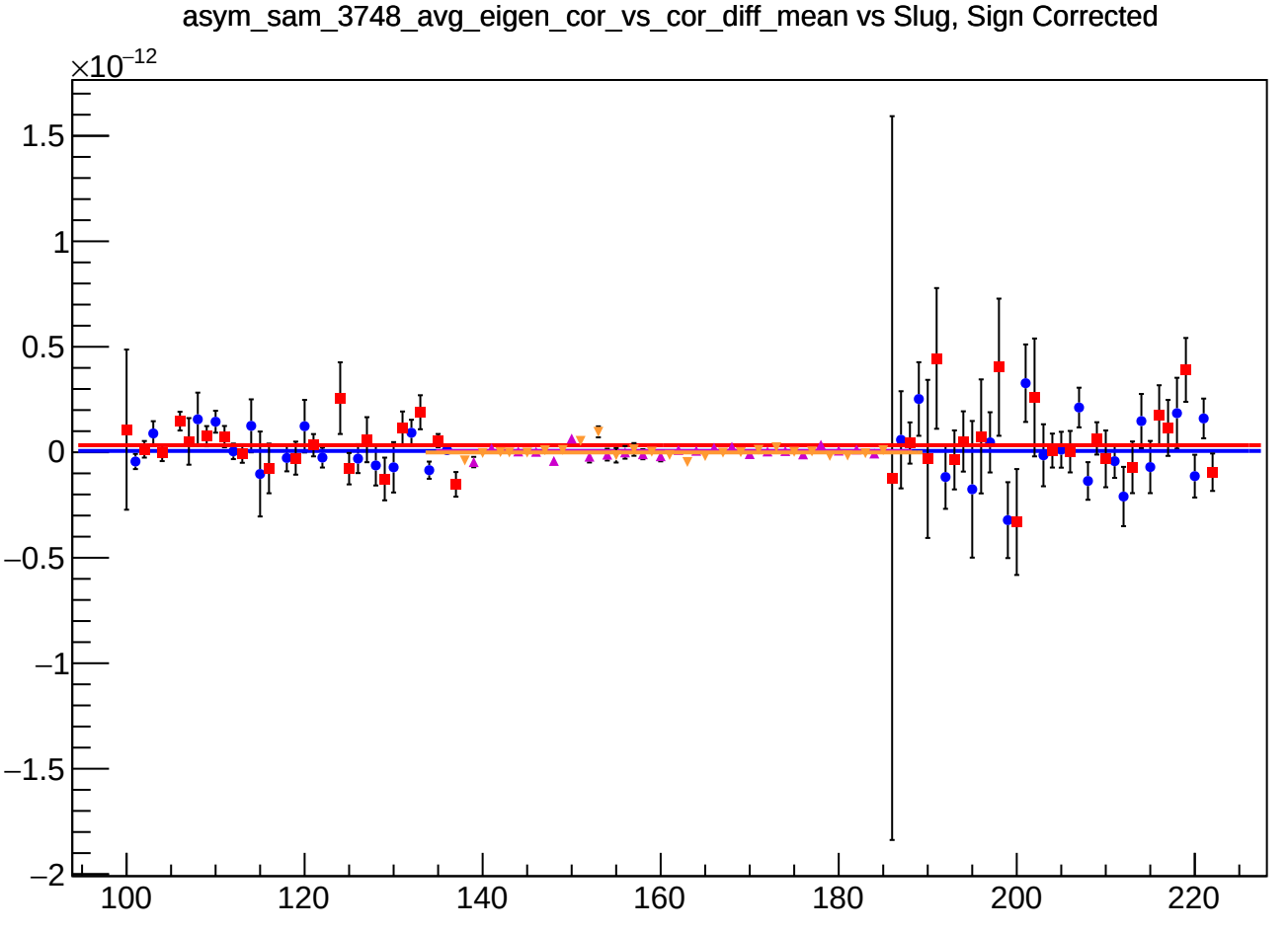
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.566+/-0.005 χ^2/NDF: 11363952.5/71

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.186+/-0.006 χ^2/NDF:11157586.7/62

All: 45.707+/-0.004 χ^2/NDF: 19000484.2/119



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: 49.8/37

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

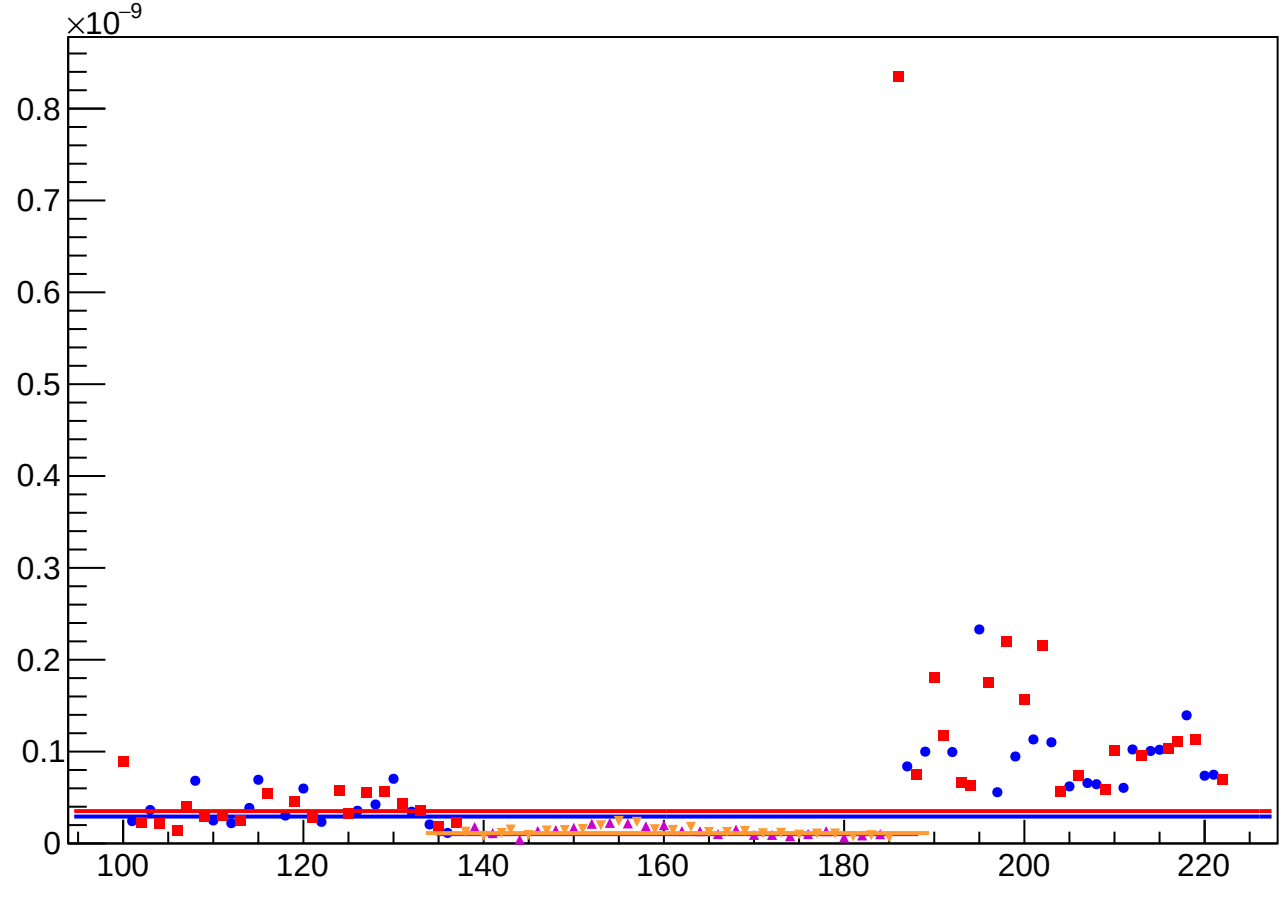
Right: 0.000+/-0.000 χ^2/NDF: 102.6/71

In: 0.000+/-0.000 χ^2/NDF:78.4/56

Out: 0.000+/-0.000 χ^2/NDF:94.4/62

All: 0.000+/-0.000 χ^2/NDF: 173.5/119

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9535852.9/37

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

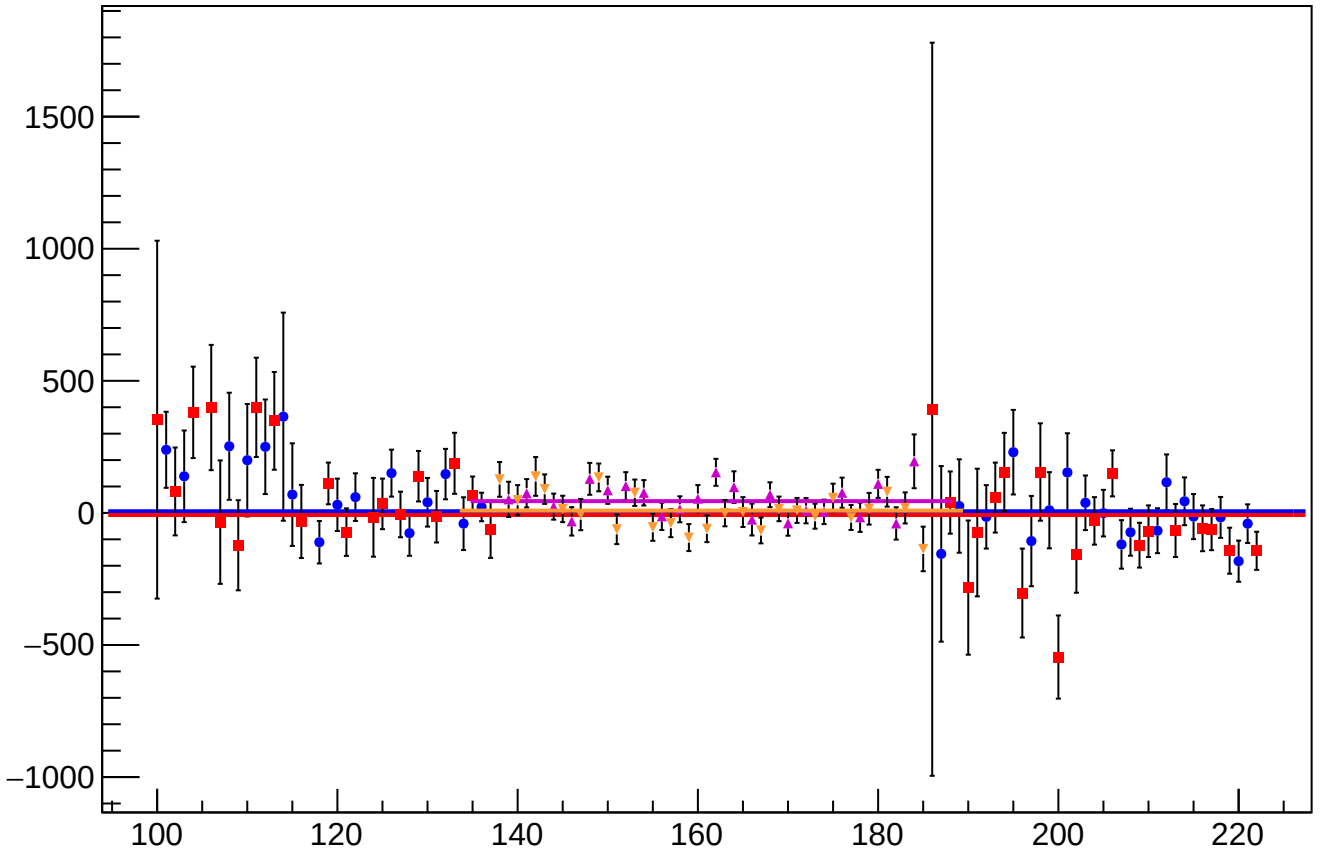
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20710357.2/71

In: 0.000+/-0.000 χ^2/NDF:20895257.3/56

Out: 0.000+/-0.000 χ^2/NDF:19171682.4/62

All: 0.000+/-0.000 χ^2/NDF: 40225697.5/119



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: -7.937+/-18.372 χ^2/NDF: 59.1/37

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

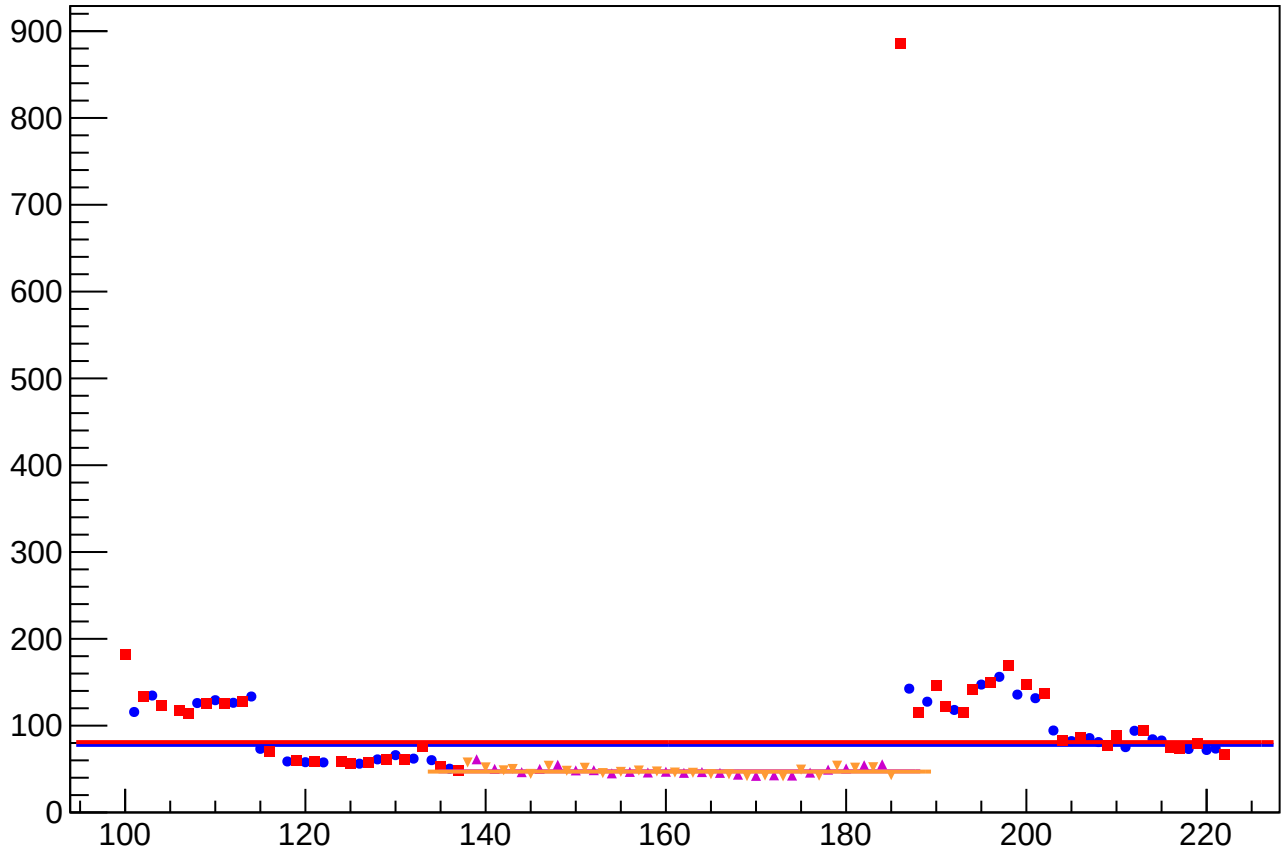
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: -0.514+/-12.681 χ^2/NDF: 91.3/71

In: 33.507+/-9.407 χ^2/NDF:62.3/56

Out: 4.487+/-9.291 χ^2/NDF:94.3/62

All: 18.817+/-6.610 χ^2/NDF: 161.4/119



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: 81.022+/-0.013 χ^2/NDF: 5152437.3/37

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

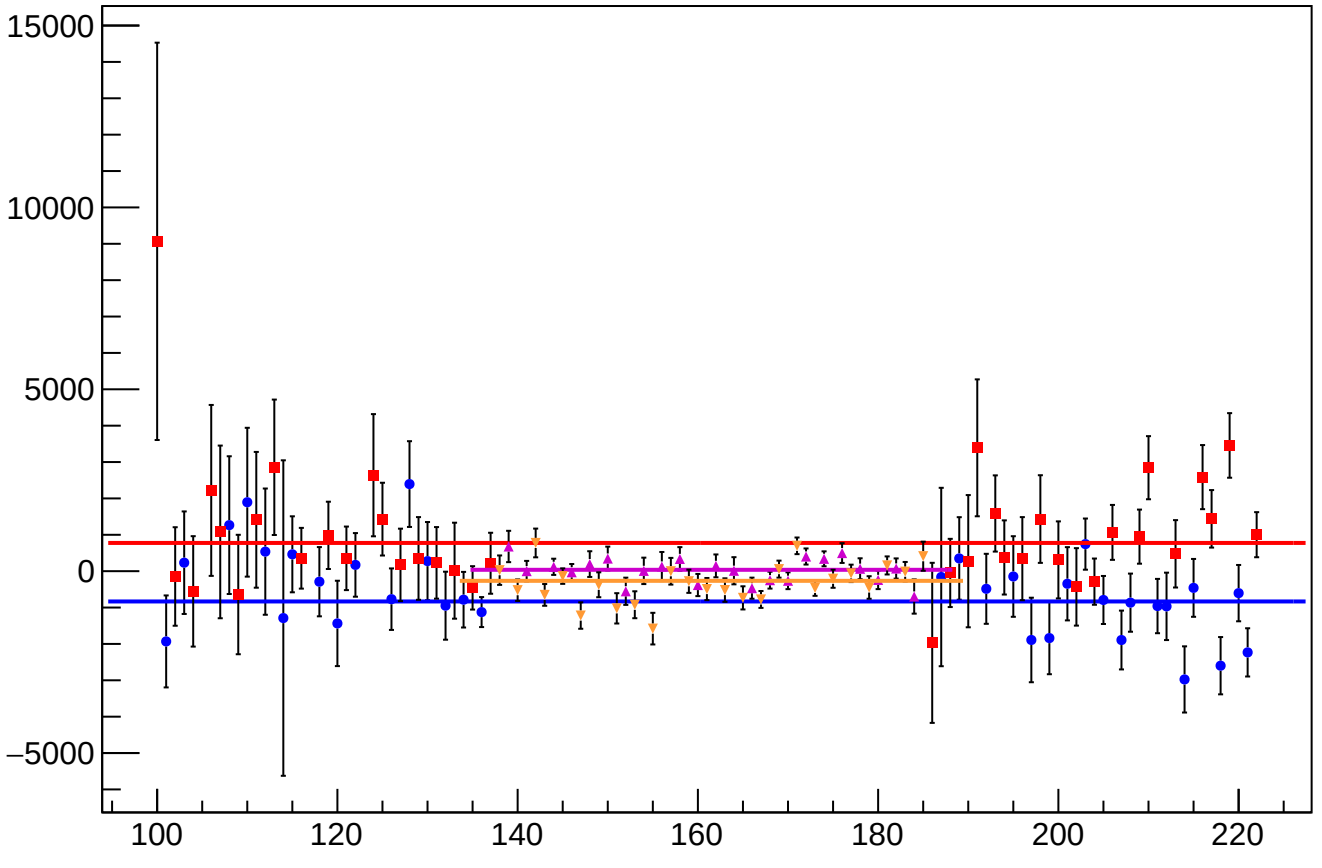
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.368+/-0.009 χ^2/NDF: 9116781.6/71

In: 56.164+/-0.007 χ^2/NDF:8510730.5/56

Out: 55.748+/-0.007 χ^2/NDF:10525316.6/62

All: 55.954+/-0.005 χ^2/NDF: 19038024.7/119



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: 776.141+/-163.222 χ^2/NDF: 44.1/37

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

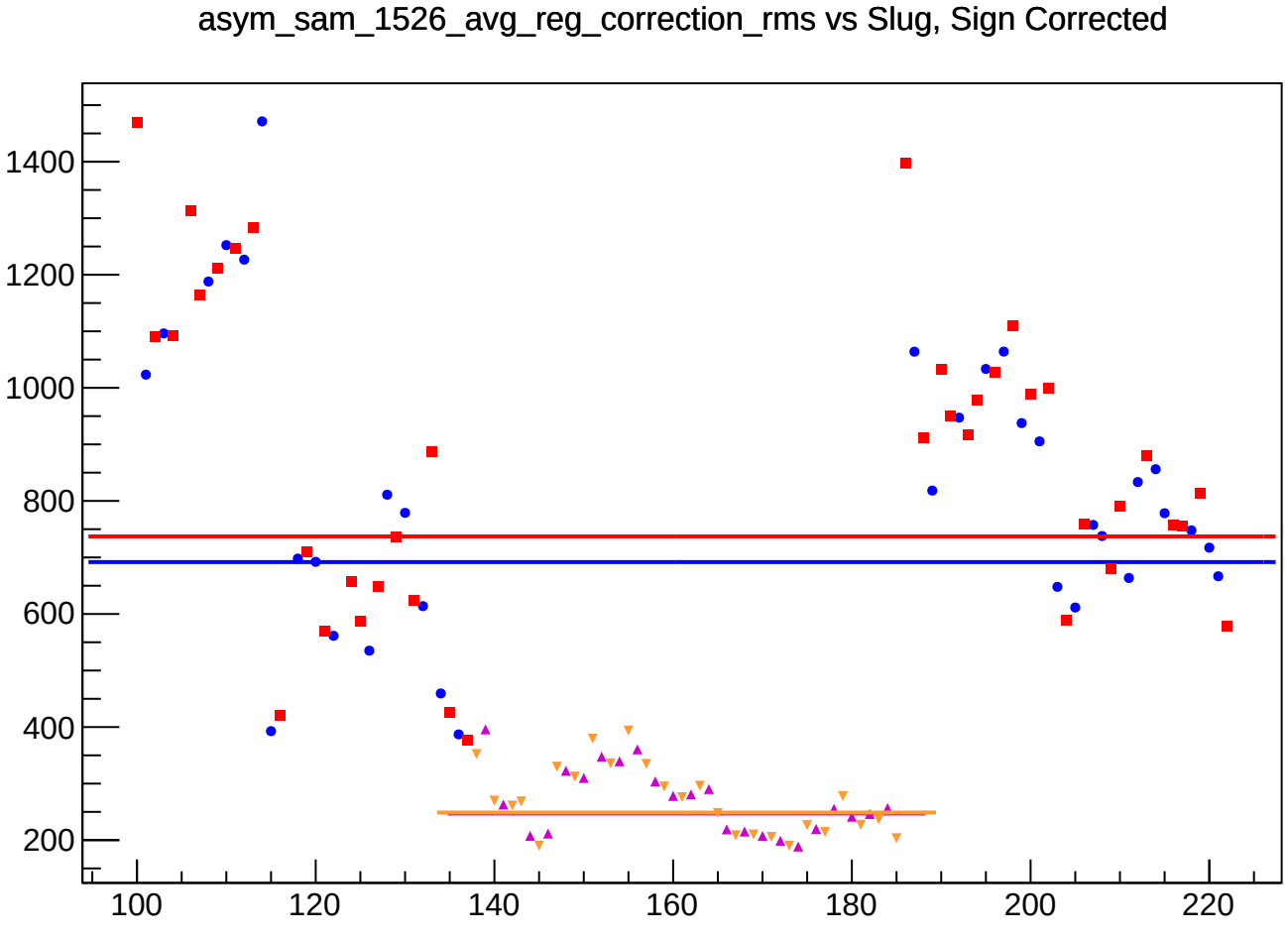
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -74.374+/-112.057 χ^2/NDF: 138.9/71

In: -74.224+/-55.230 χ^2/NDF:97.8/56

Out: -148.770+/-54.678 χ^2/NDF:150.1/62

All: -111.871+/-38.857 χ^2/NDF: 248.8/119



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: 737.187+/-0.115 χ^2/NDF: 3728546.9/37

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

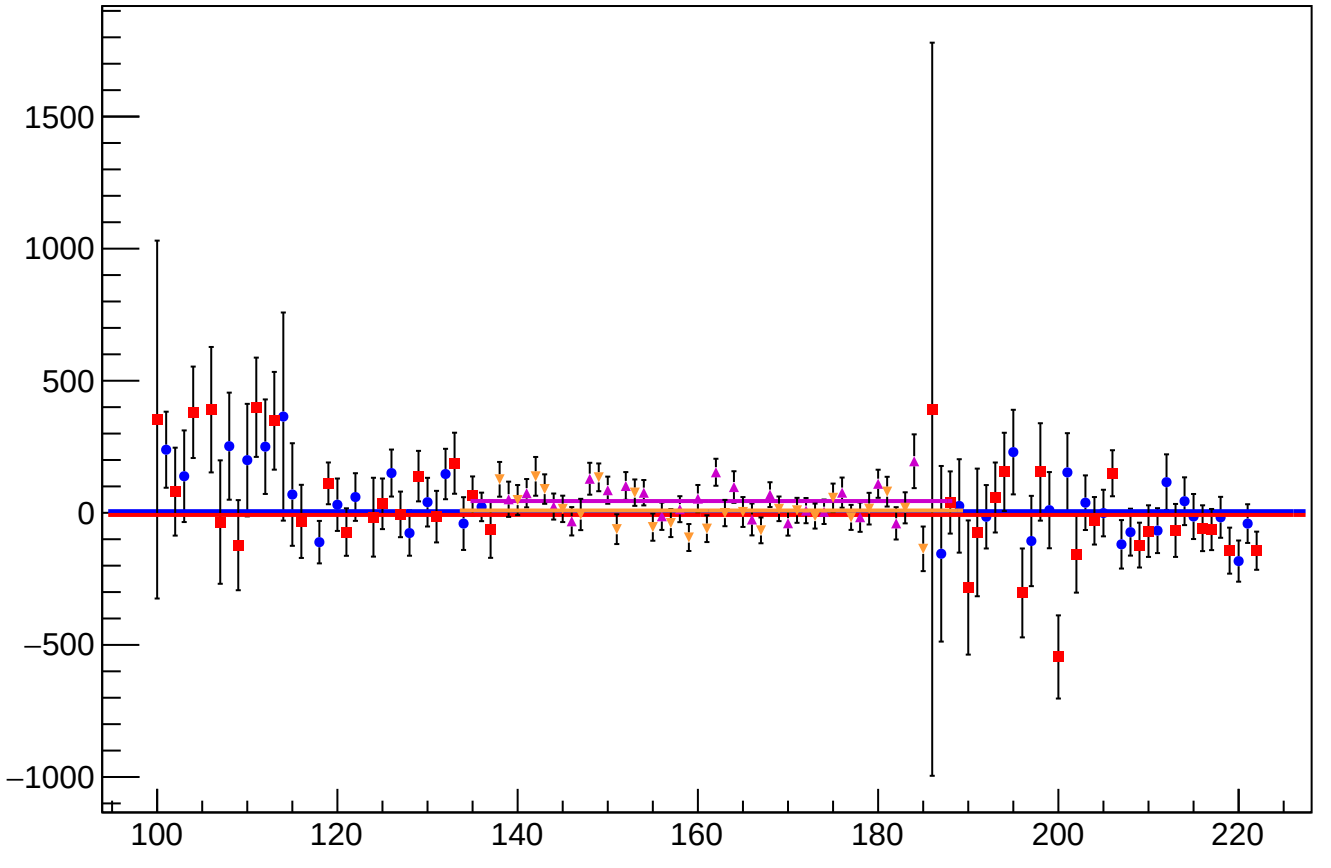
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 713.222+/-0.079 χ^2/NDF: 7287710.1/71

In: 304.228+/-0.039 χ^2/NDF:19478993.1/56

Out: 303.688+/-0.039 χ^2/NDF:21283014.0/62

All: 303.955+/-0.027 χ^2/NDF: 40762103.7/11



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: -8.008+/-18.373 χ^2/NDF: 58.9/37

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

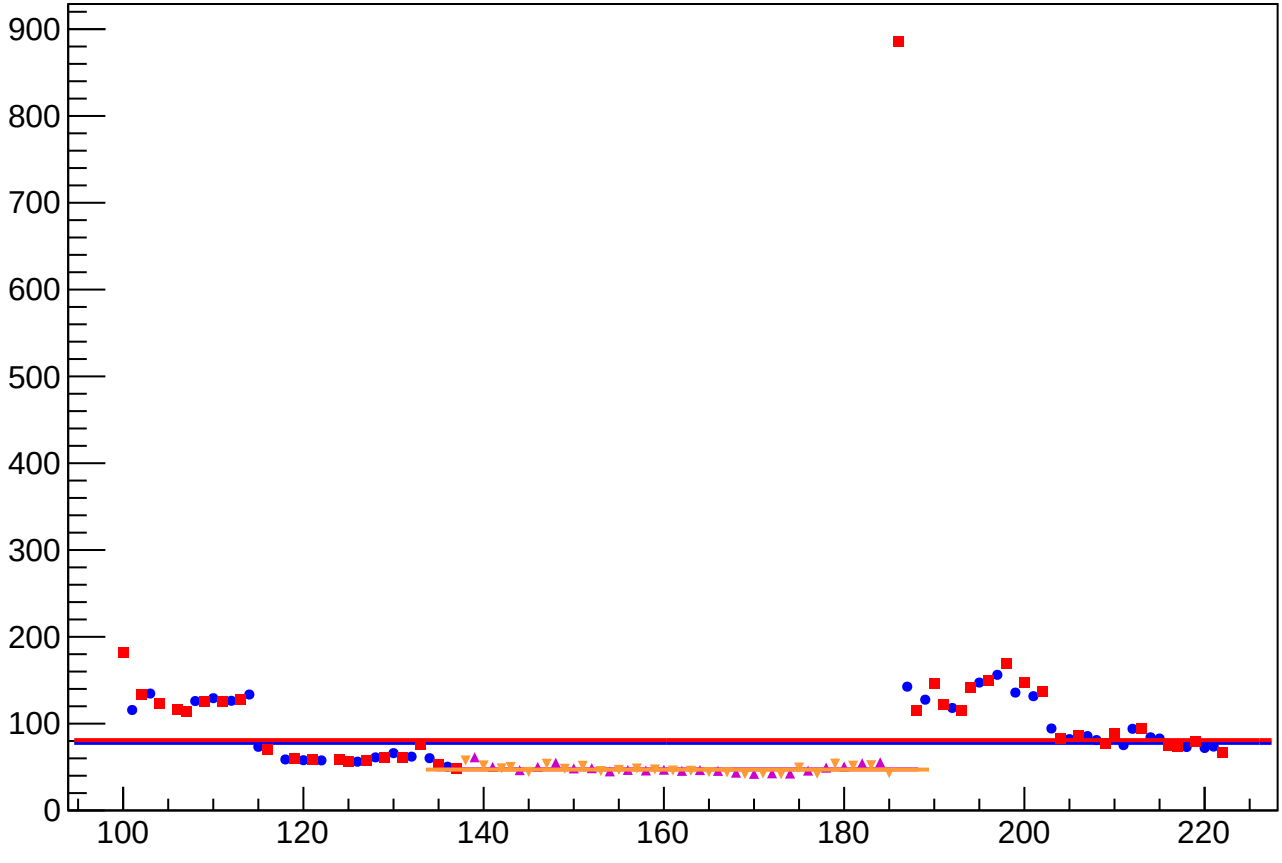
Right: -0.551+/-12.681 χ^2/NDF: 91.1/71

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 4.470+/-9.291 χ^2/NDF:94.2/62

All: 18.808+/-6.610 χ^2/NDF: 161.3/119

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: 81.016+/-0.013 χ^2/NDF: 5150057.0/37

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

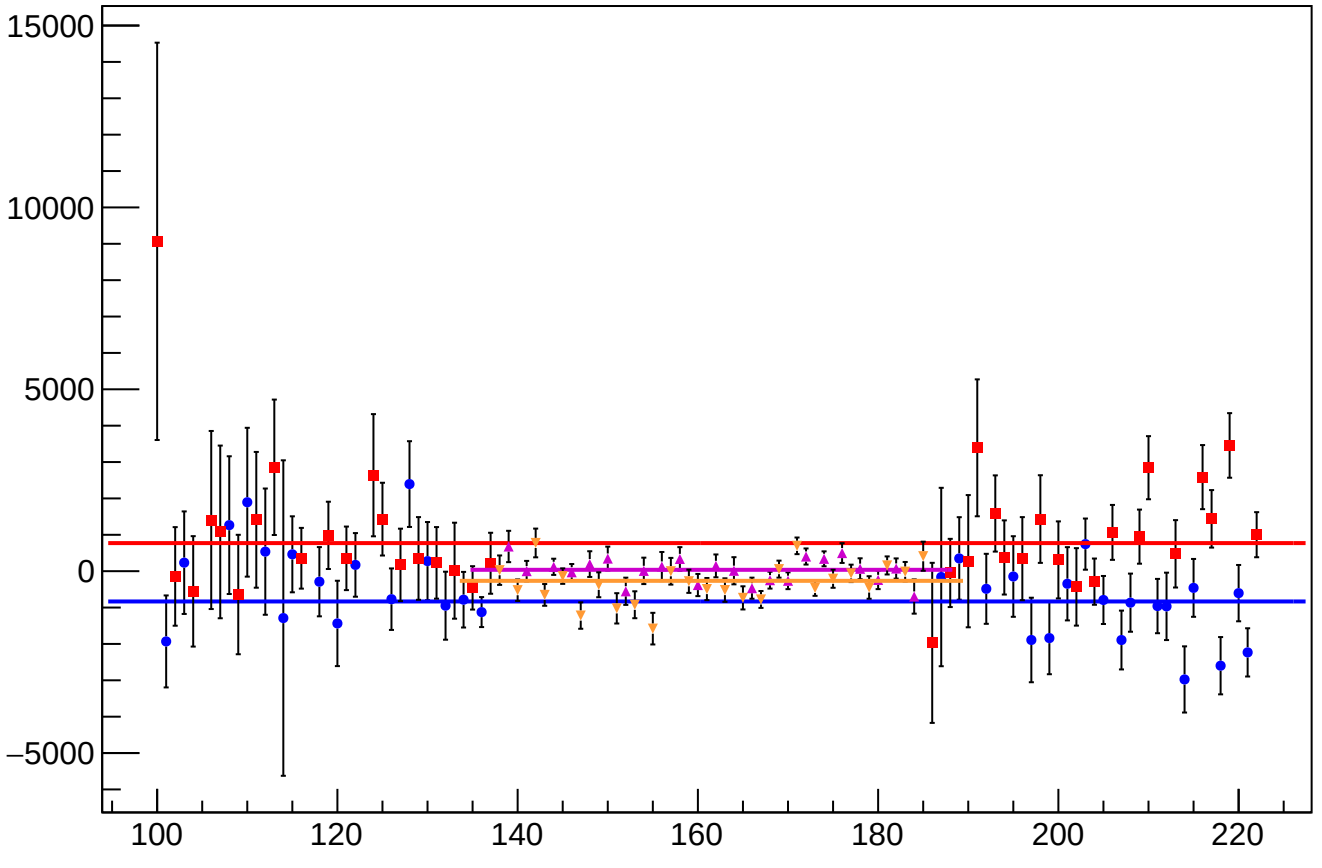
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.365+/-0.009 χ^2/NDF: 9114277.9/71

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.747+/-0.007 χ^2/NDF:10520919.1/62

All: 55.953+/-0.005 χ^2/NDF: 19033646.5/119



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: 772.027+/-163.255 χ^2/NDF: 43.8/37

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

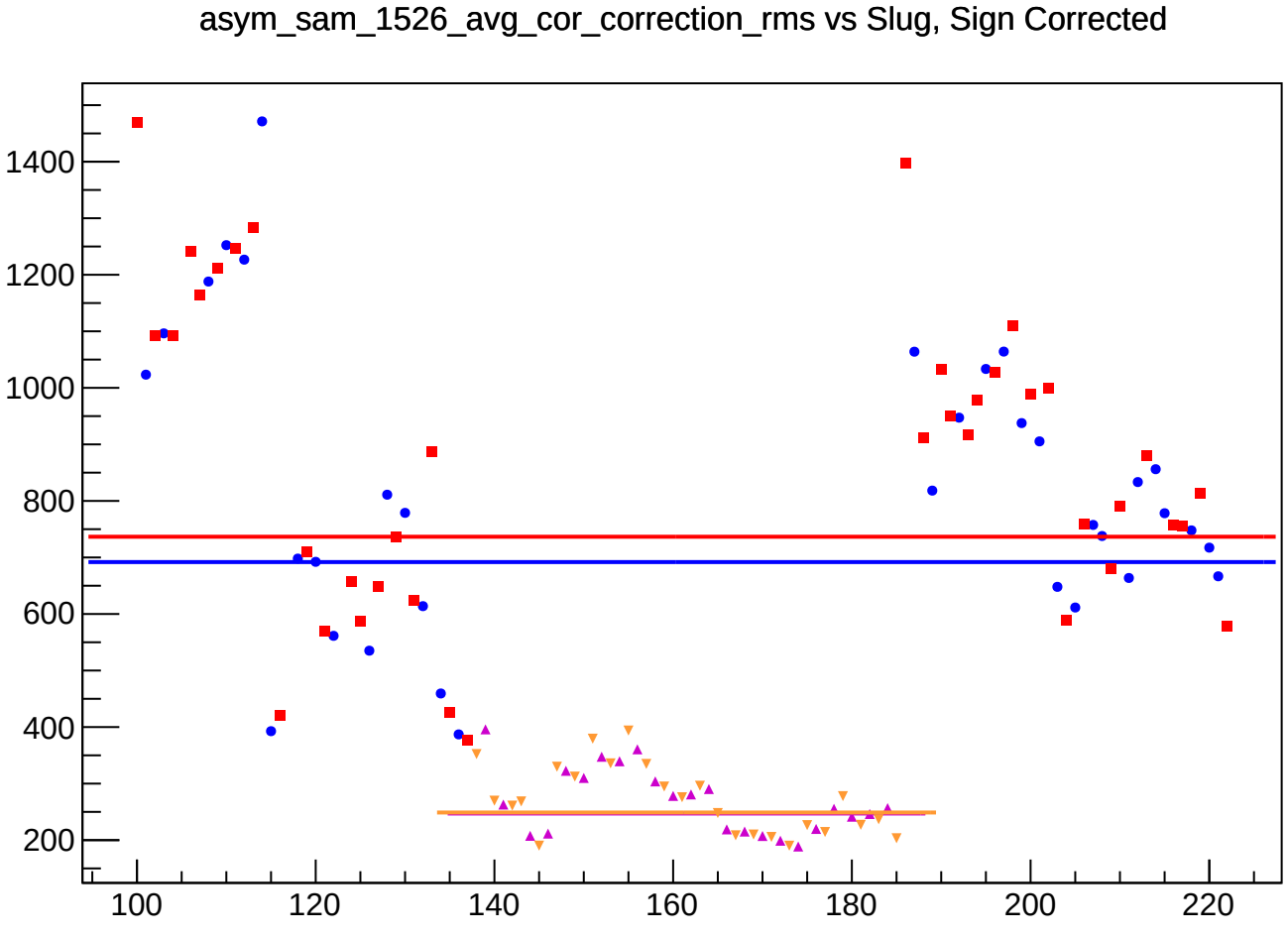
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -76.470+/-112.067 χ^2/NDF: 138.3/71

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -149.270+/-54.679 χ^2/NDF:149.5/62

All: -112.124+/-38.857 χ^2/NDF: 248.2/119



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: 736.652+/-0.115 χ^2/NDF: 3693545.8/37

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

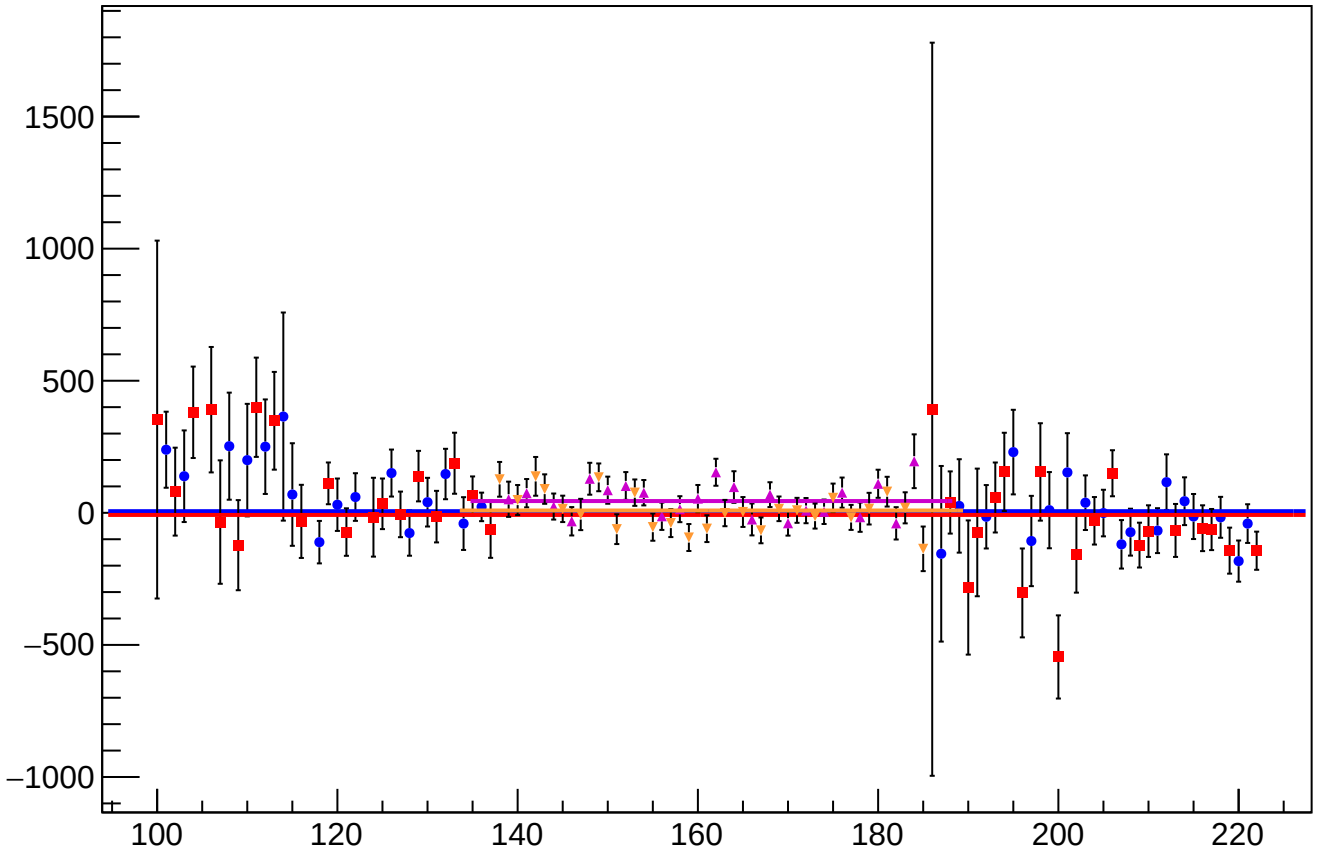
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 712.966+/-0.079 χ^2/NDF: 7250819.5/71

In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 303.608+/-0.039 χ^2/NDF:21207627.5/62

All: 303.915+/-0.027 χ^2/NDF: 40686762.1/11



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: -8.008+/-18.373 χ^2/NDF: 58.9/37

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

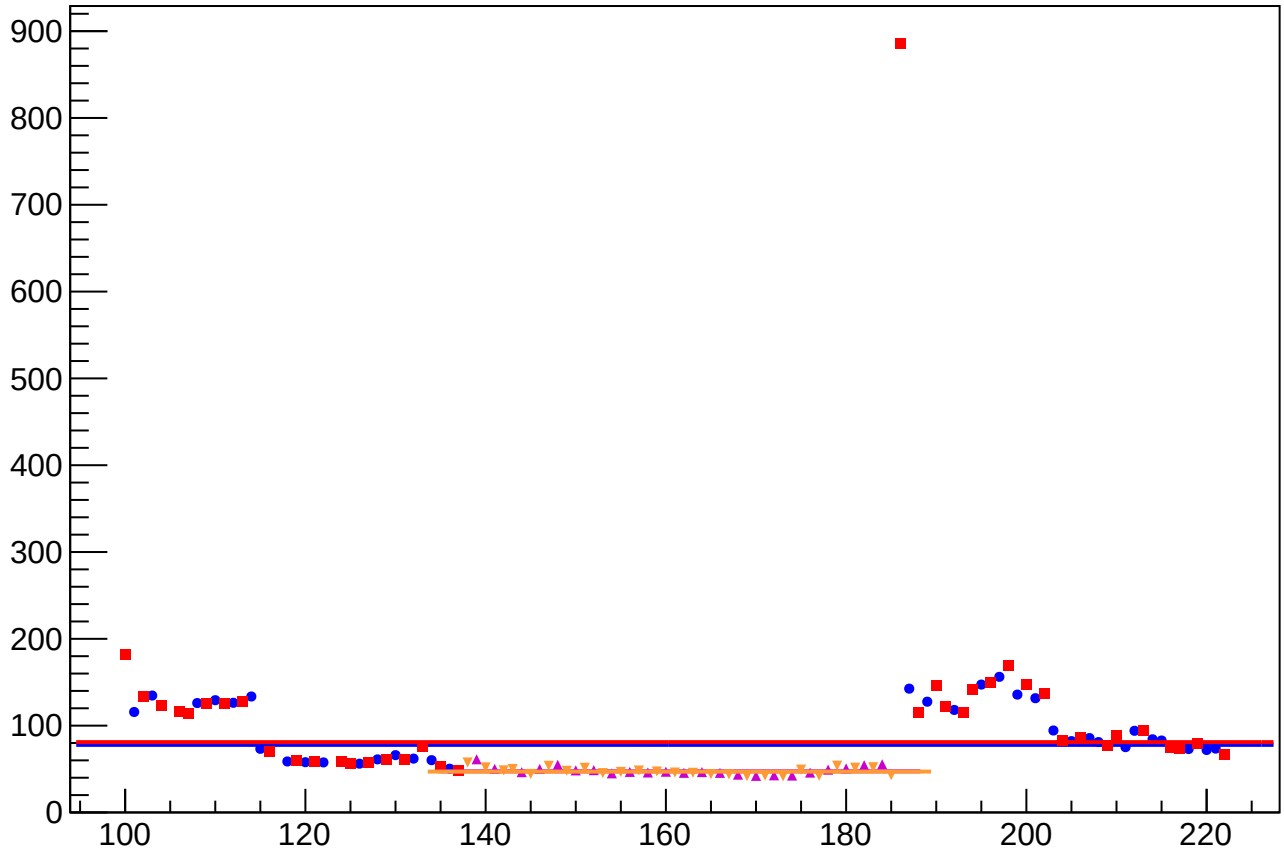
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: -0.551+/-12.681 χ^2/NDF: 91.1/71

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 4.470+/-9.291 χ^2/NDF:94.2/62

All: 18.808+/-6.610 χ^2/NDF: 161.3/119



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: 81.016+/-0.013 χ^2/NDF: 5150057.0/37

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

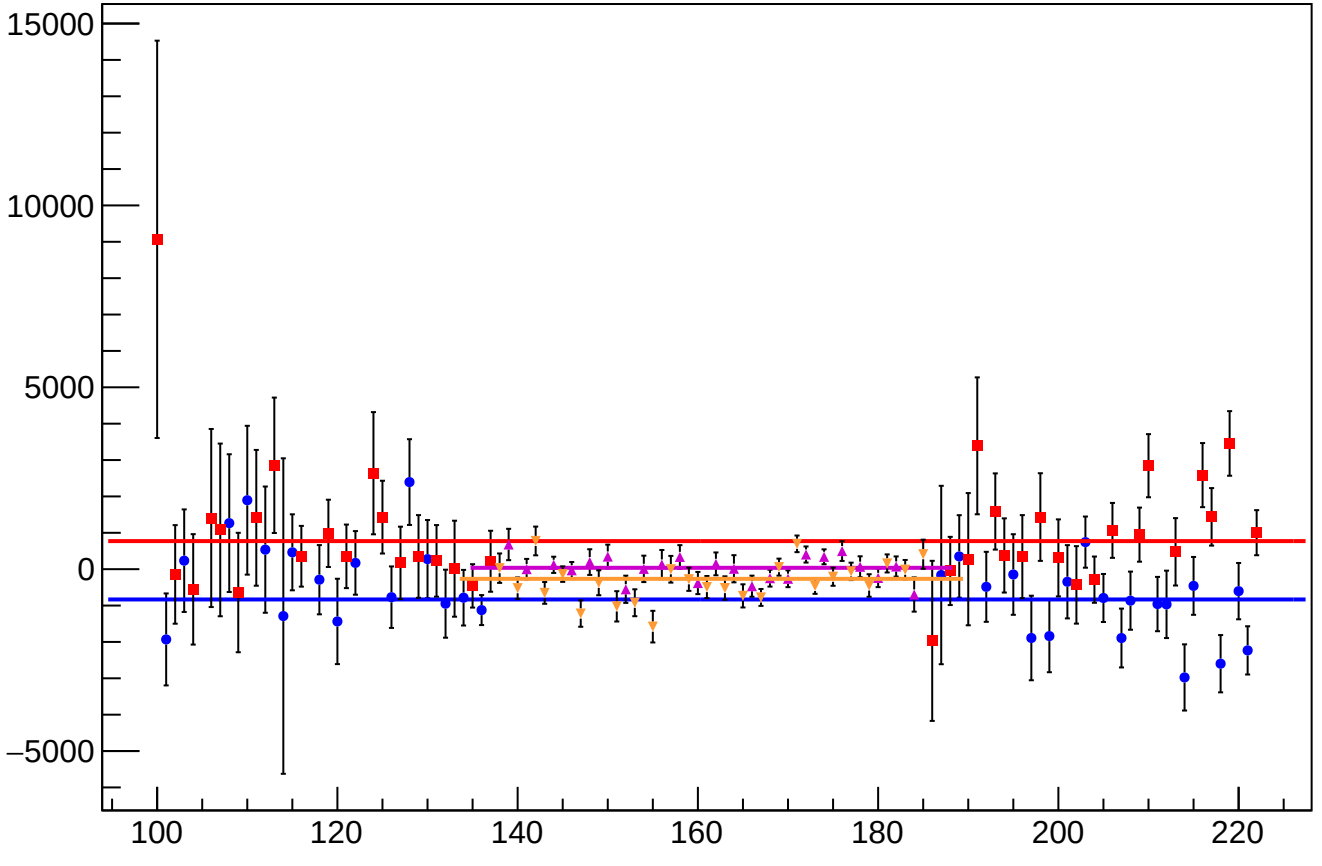
Right: 79.365+/-0.009 χ^2/NDF: 9114277.9/71

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.747+/-0.007 χ^2/NDF:10520919.1/62

All: 55.953+/-0.005 χ^2/NDF: 19033646.5/119

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: 772.027+/-163.255 χ^2/NDF: 43.8/37

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

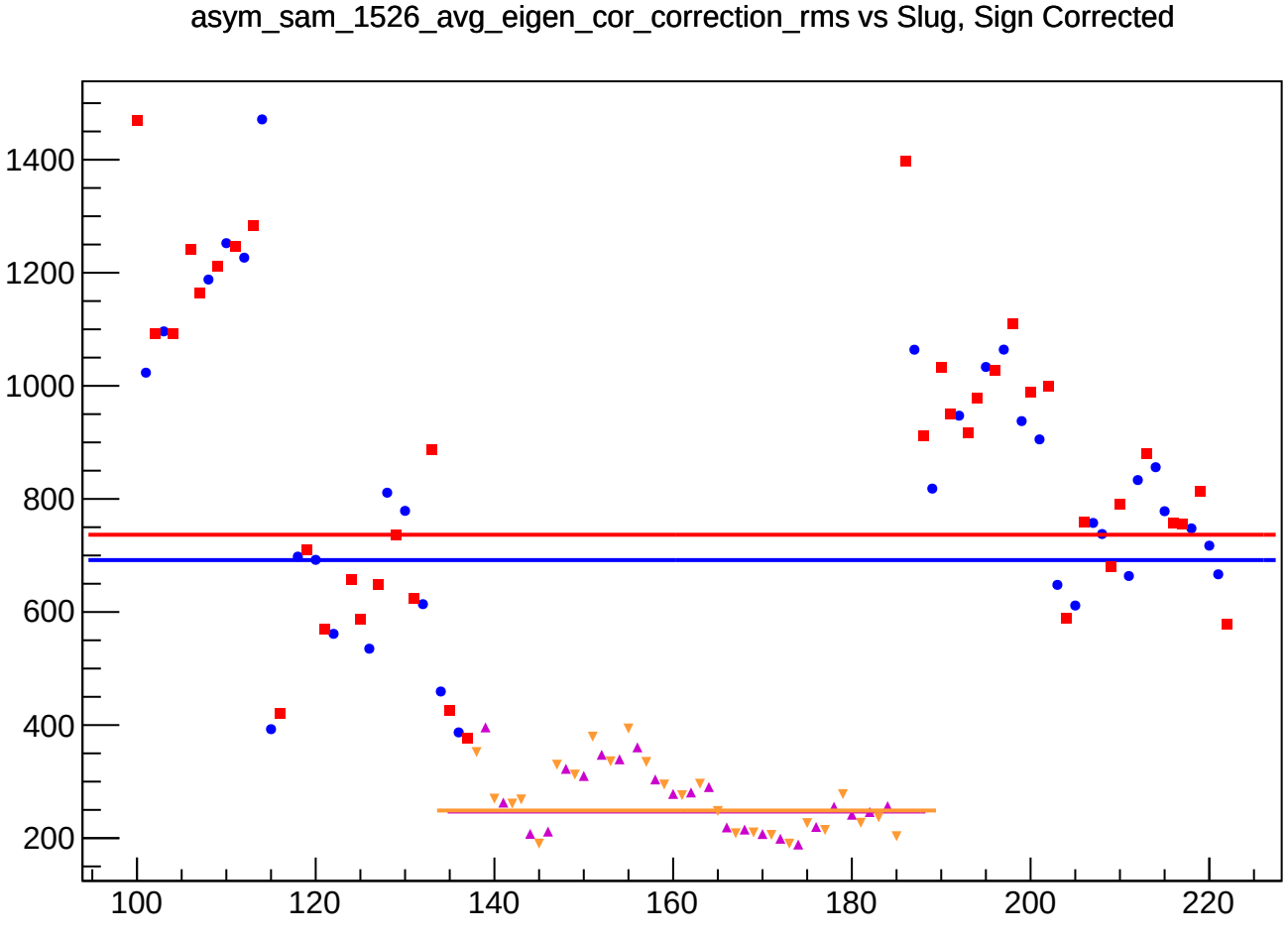
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -76.470+/-112.067 χ^2/NDF: 138.3/71

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -149.270+/-54.679 χ^2/NDF:149.5/62

All: -112.124+/-38.857 χ^2/NDF: 248.2/119



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: 736.652+/-0.115 χ^2/NDF: 3693545.8/37

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

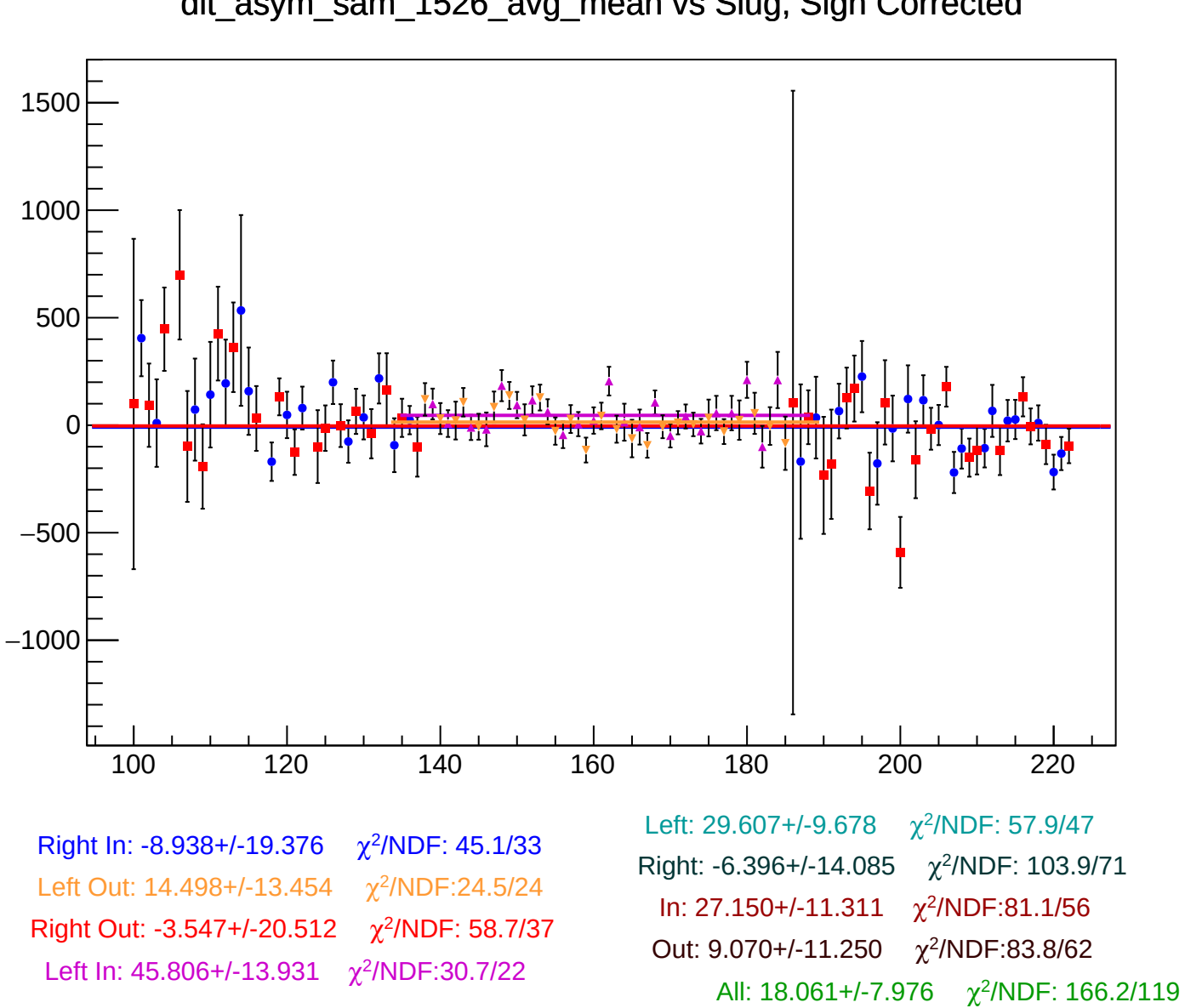
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 712.966+/-0.079 χ^2/NDF: 7250819.5/71

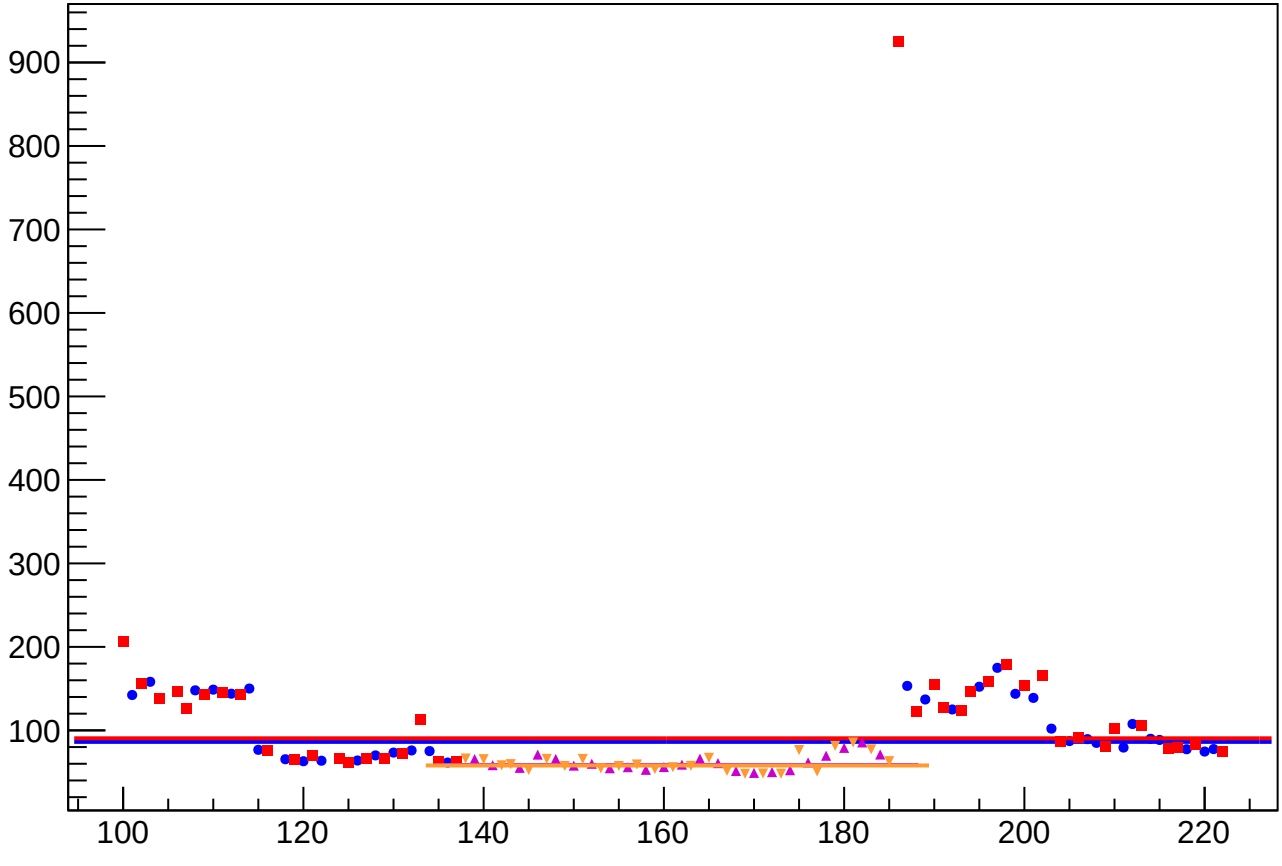
In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 303.608+/-0.039 χ^2/NDF:21207627.5/62

All: 303.915+/-0.027 χ^2/NDF: 40686762.1/11


dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -8.938+/-19.376 χ²/NDF: 45.1/33
Left Out: 14.498+/-13.454 χ²/NDF:24.5/24
Right Out: -3.547+/-20.512 χ²/NDF: 58.7/37
Left In: 45.806+/-13.931 χ²/NDF:30.7/22
Left: 29.607+/-9.678 χ²/NDF: 57.9/47
Right: -6.396+/-14.085 χ²/NDF: 103.9/71
In: 27.150+/-11.311 χ²/NDF:81.1/56
Out: 9.070+/-11.250 χ²/NDF:83.8/62
All: 18.061+/-7.976 χ²/NDF: 166.2/119

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 86.249+/-0.014 χ^2/NDF: 3581869.6/33

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 90.475+/-0.015 χ^2/NDF: 4843632.2/37

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

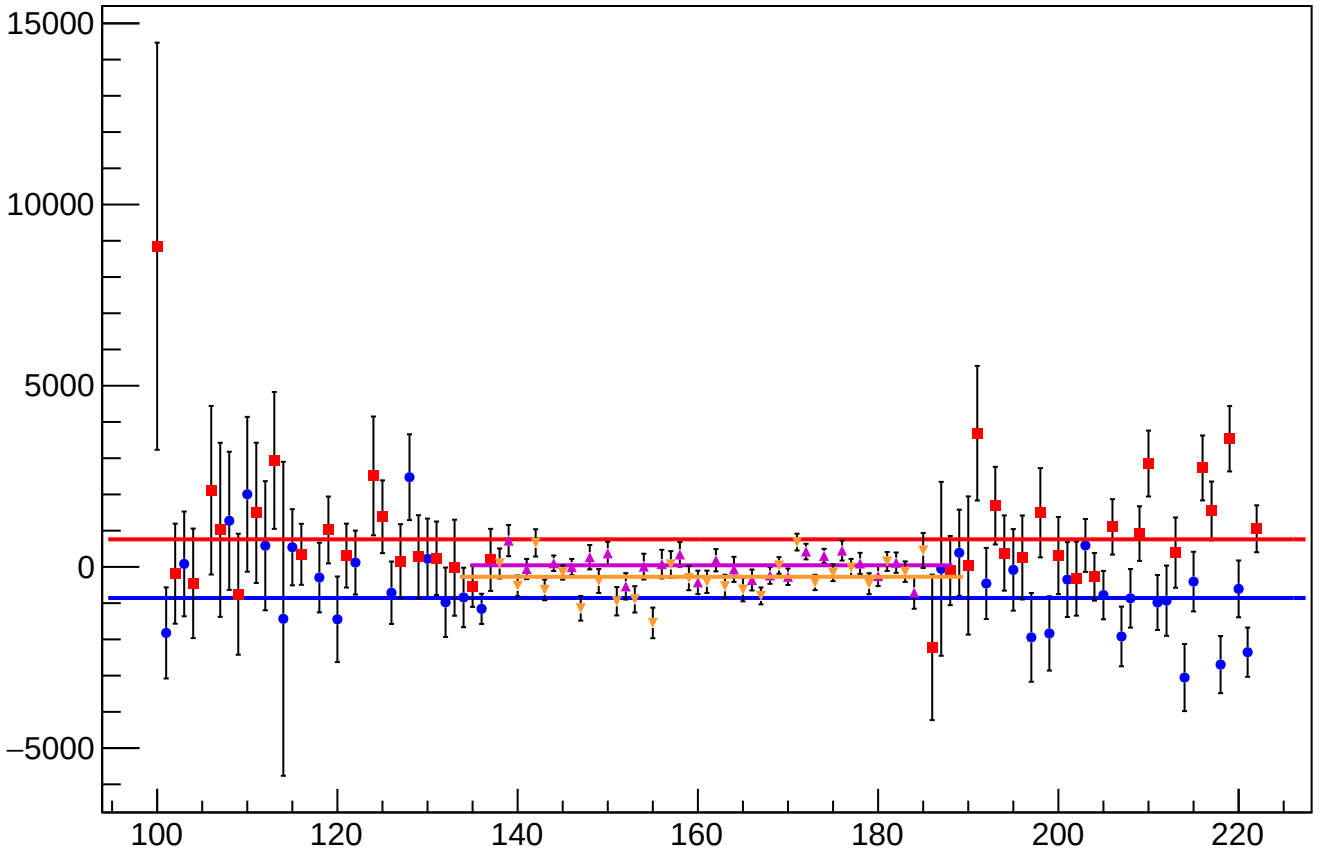
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 88.242+/-0.010 χ^2/NDF: 8470368.7/71

In: 67.943+/-0.008 χ^2/NDF:6939999.0/56

Out: 67.745+/-0.008 χ^2/NDF:9253418.0/62

All: 67.843+/-0.006 χ^2/NDF: 16193723.5/119



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: 761.716+/-165.332 χ^2/NDF: 46.6/37

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

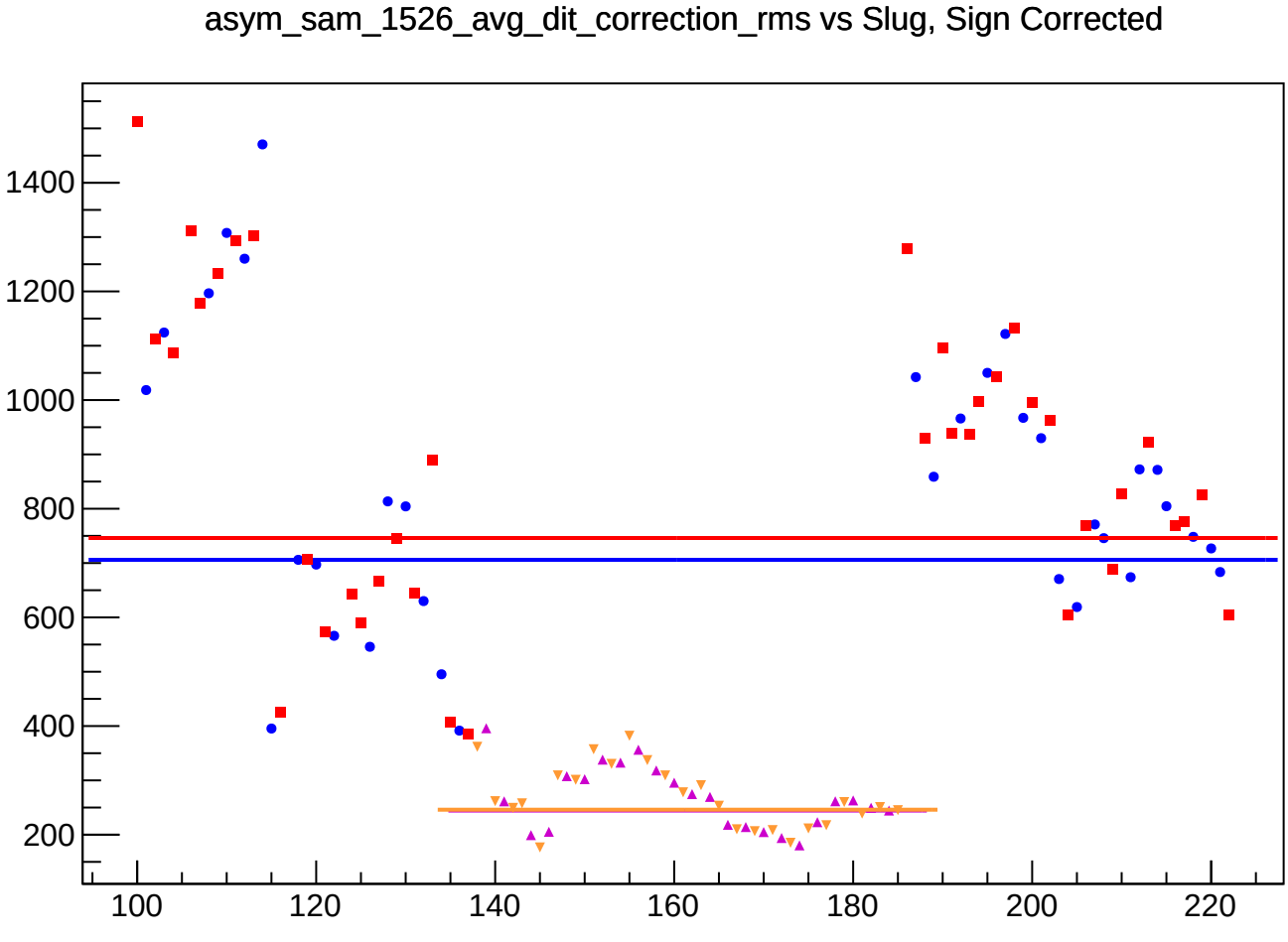
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -87.991+/-113.960 χ^2/NDF: 140.5/71

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -161.698+/-54.119 χ^2/NDF:147.3/62

All: -114.253+/-38.550 χ^2/NDF: 247.8/119



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: 746.098+/-0.117 χ^2/NDF: 3824654.2/37

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

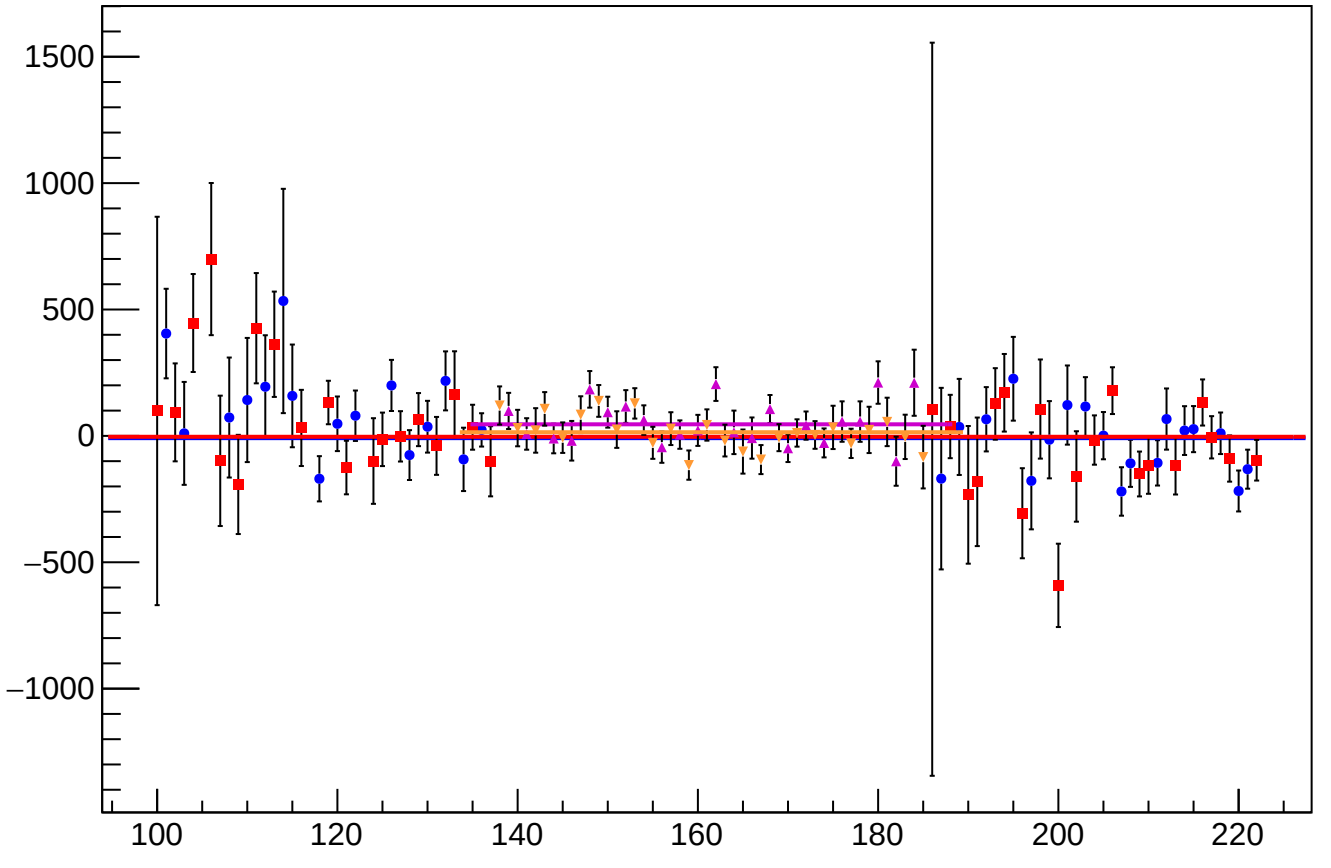
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 725.018+/-0.081 χ^2/NDF: 7408805.2/71

In: 300.718+/-0.039 χ^2/NDF:20235549.0/56

Out: 299.599+/-0.038 χ^2/NDF:21842405.4/62

All: 300.150+/-0.027 χ^2/NDF: 42078375.7/11



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: -3.549+/-20.511 χ^2/NDF: 58.7/37

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

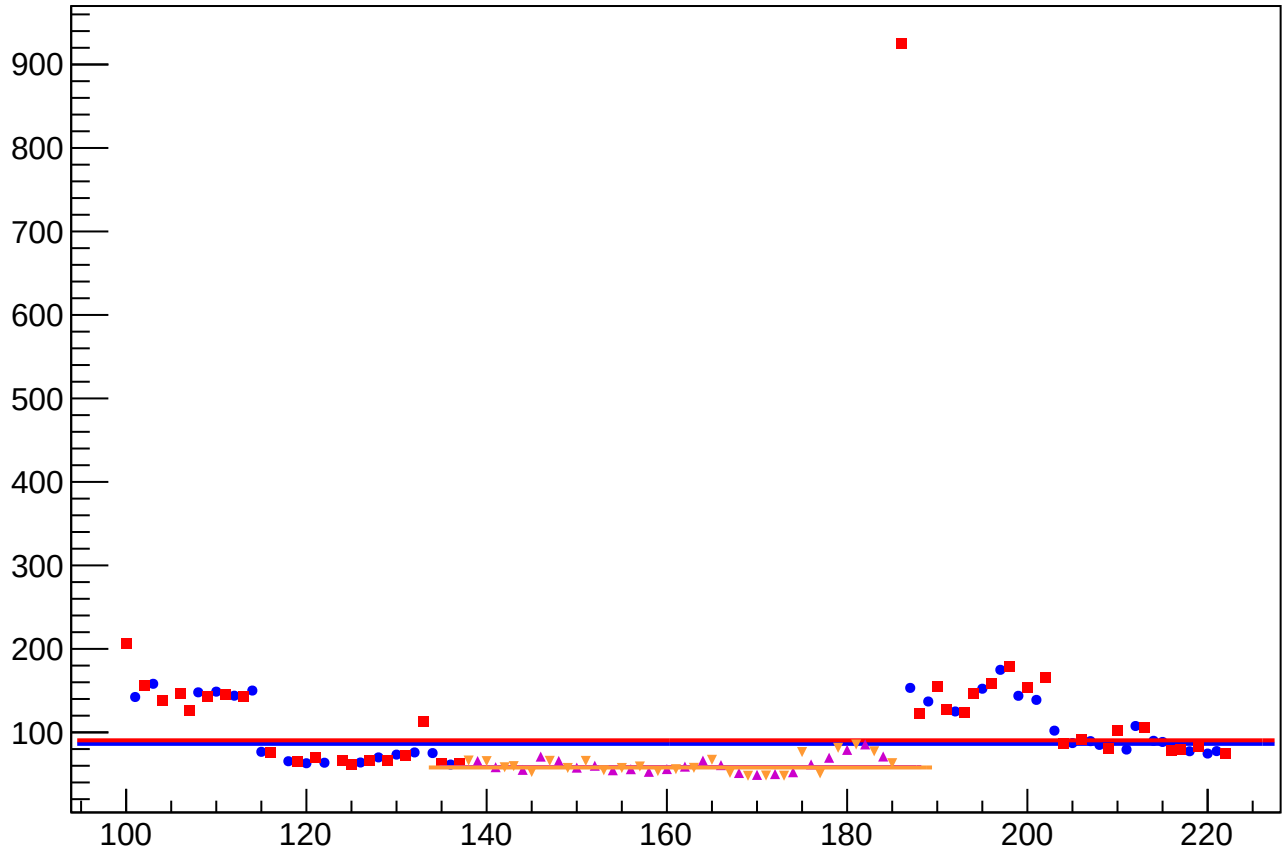
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: -6.396+/-14.085 χ^2/NDF: 103.9/71

In: 27.150+/-11.311 χ^2/NDF:81.1/56

Out: 9.069+/-11.250 χ^2/NDF:83.8/62

All: 18.061+/-7.976 χ^2/NDF: 166.2/119



Right In: 86.249+/-0.014 χ^2/NDF: 3581875.0/33

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 90.475+/-0.015 χ^2/NDF: 4843643.7/37

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

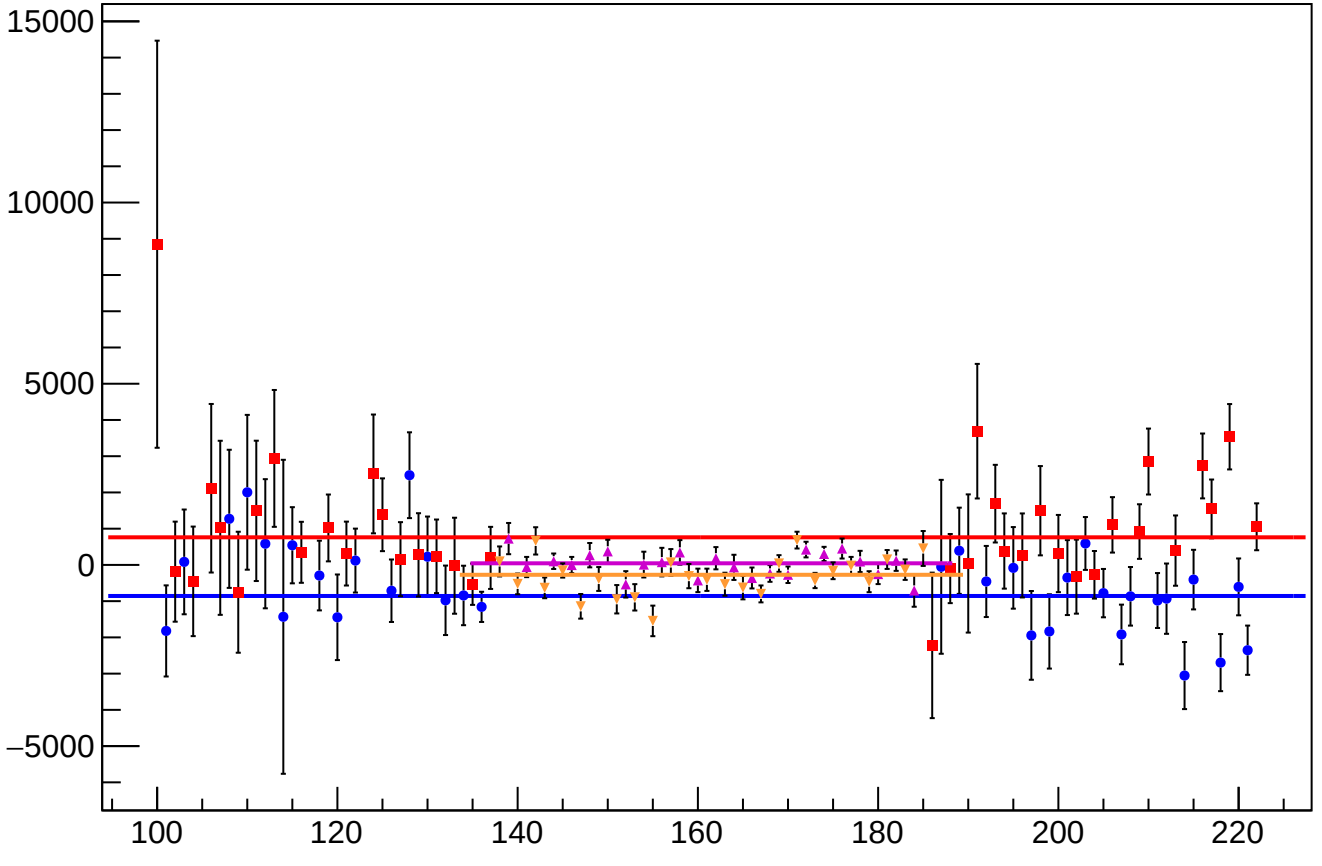
Right: 88.242+/-0.010 χ^2/NDF: 8470386.0/71

In: 67.943+/-0.008 χ^2/NDF:6939918.9/56

Out: 67.745+/-0.008 χ^2/NDF:9253369.2/62

All: 67.843+/-0.006 χ^2/NDF: 16193594.7/119

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: 761.715+/-165.332 χ^2/NDF: 46.6/37

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

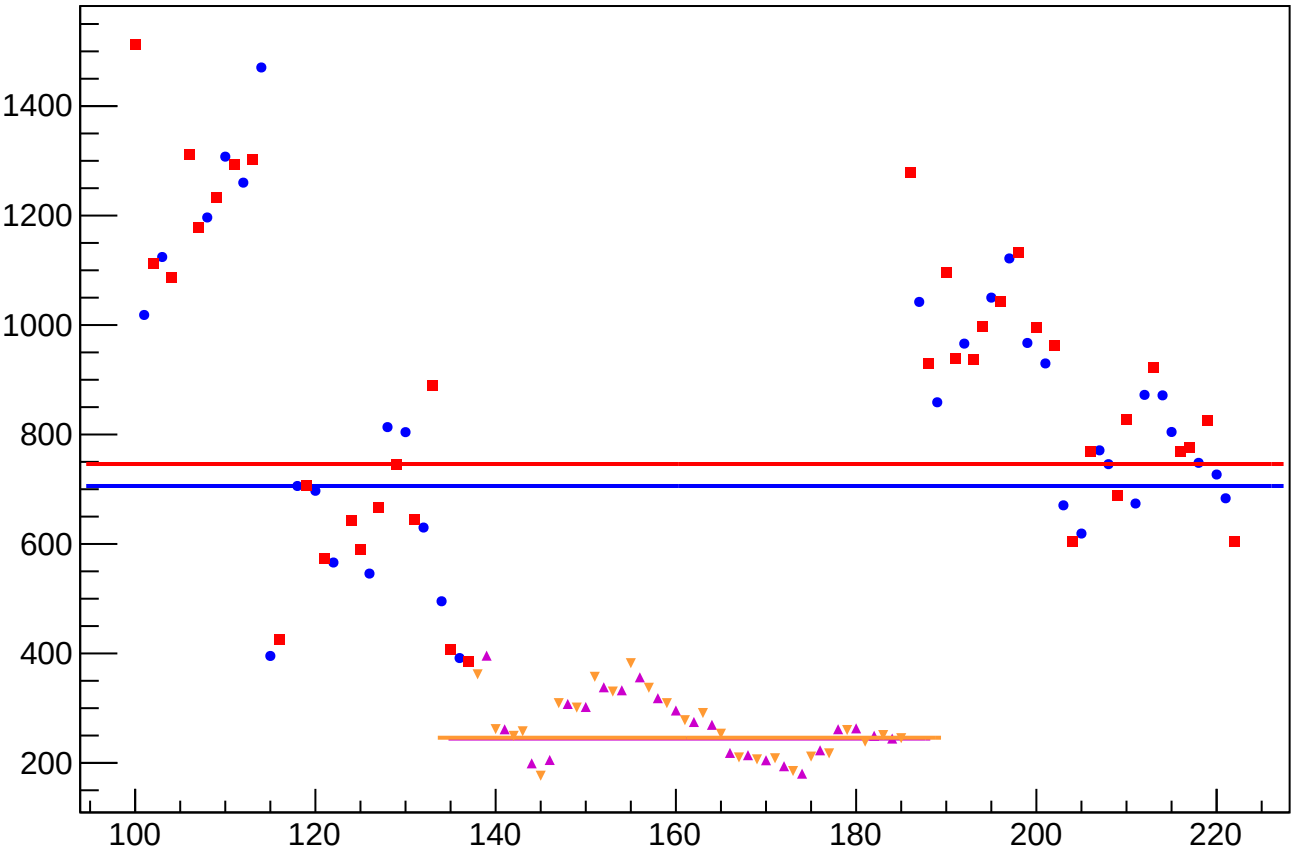
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -87.991+/-113.960 χ^2/NDF: 140.5/71

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -161.698+/-54.119 χ^2/NDF:147.3/62

All: -114.253+/-38.550 χ^2/NDF: 247.8/119



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: 746.097+/-0.117 χ^2/NDF: 3824632.8/37

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

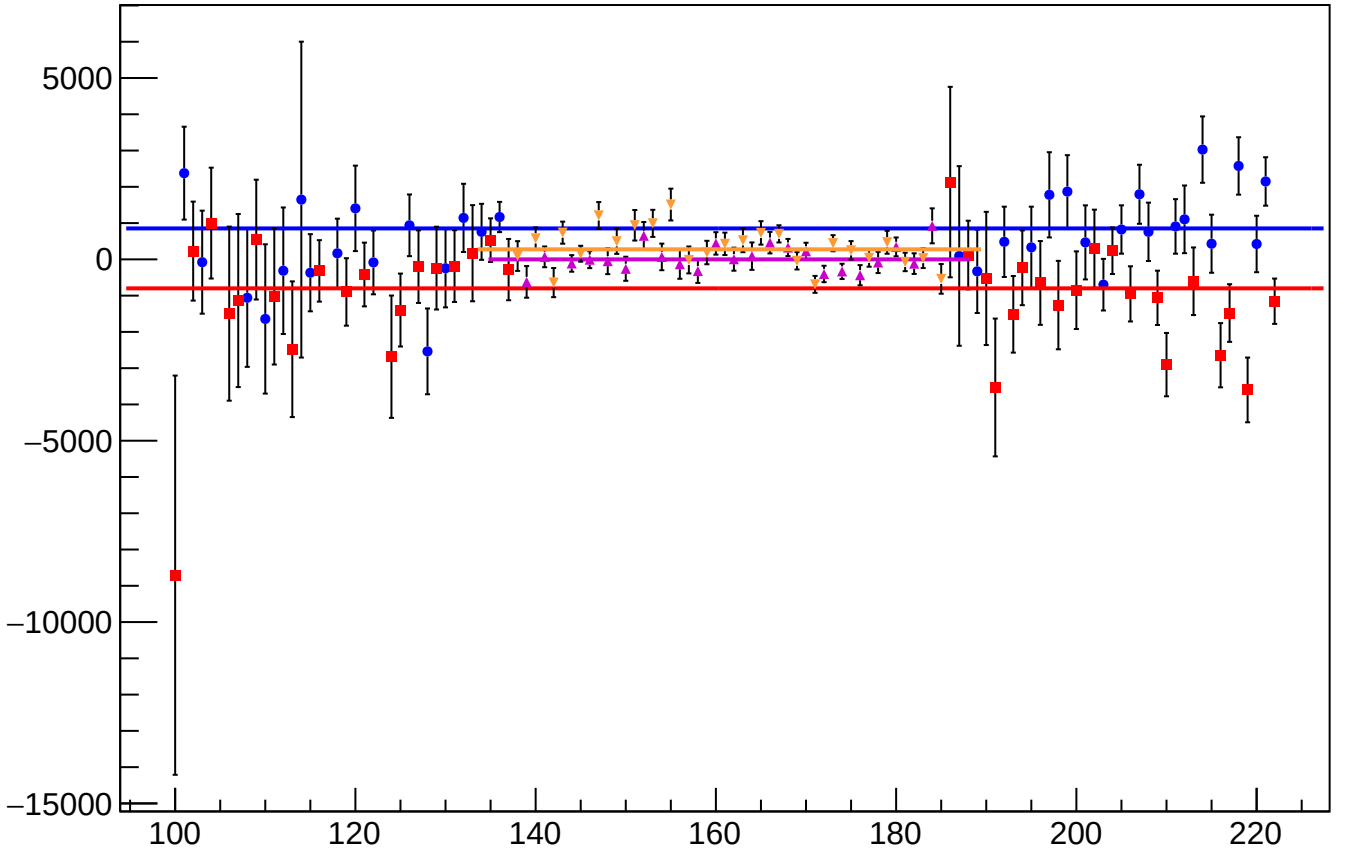
Right: 725.018+/-0.081 χ^2/NDF: 7408767.6/71

In: 300.718+/-0.039 χ^2/NDF:20235534.0/56

Out: 299.599+/-0.038 χ^2/NDF:21842419.4/62

All: 300.150+/-0.027 χ^2/NDF: 42078374.8/11

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: -799.191+/-164.608 χ^2/NDF: 44.6/37

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

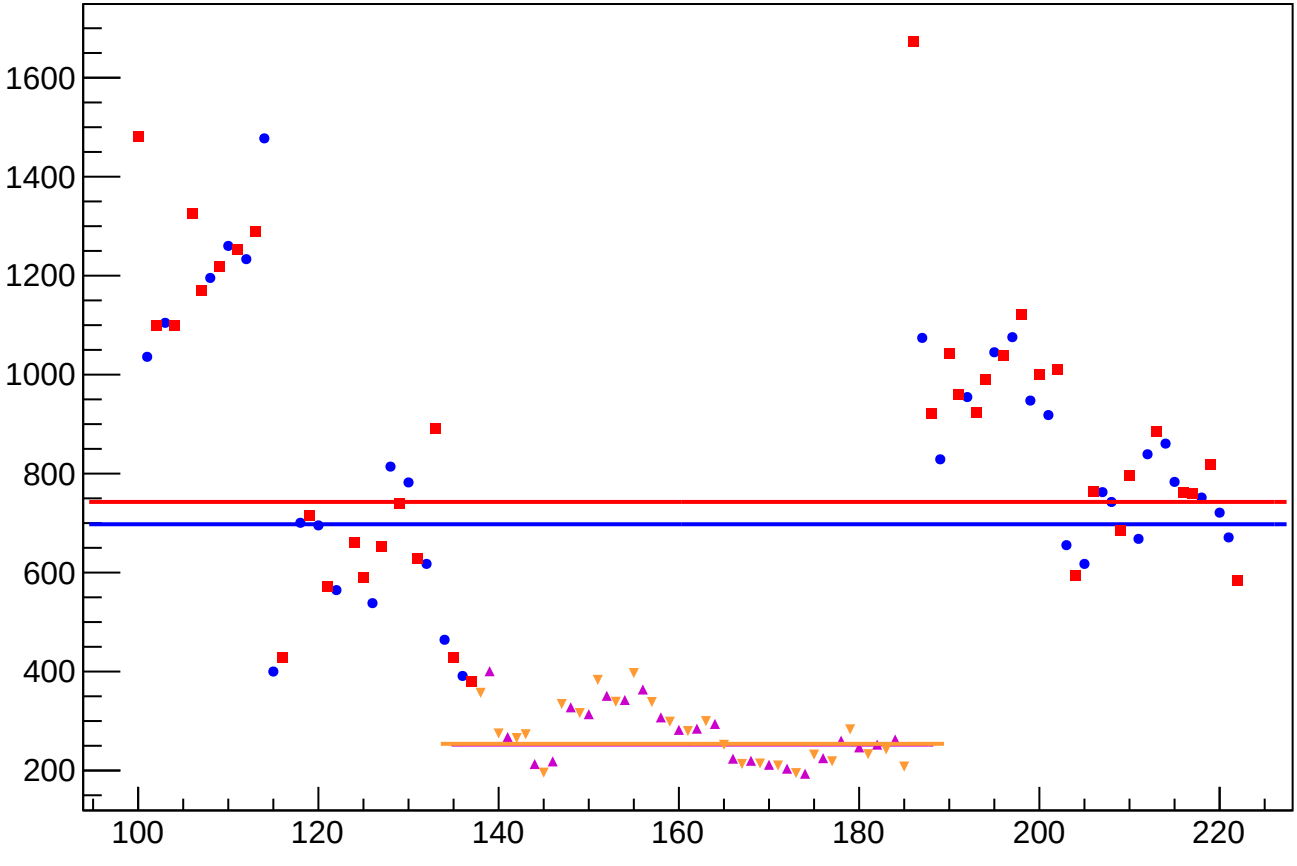
Right: 74.555+/-112.990 χ^2/NDF: 140.0/71

In: 111.360+/-56.261 χ^2/NDF:96.5/56

Out: 154.003+/-55.664 χ^2/NDF:146.5/62

All: 132.909+/-39.570 χ^2/NDF: 243.3/119

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: 742.790+/-0.116 χ^2/NDF: 3794802.6/37

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

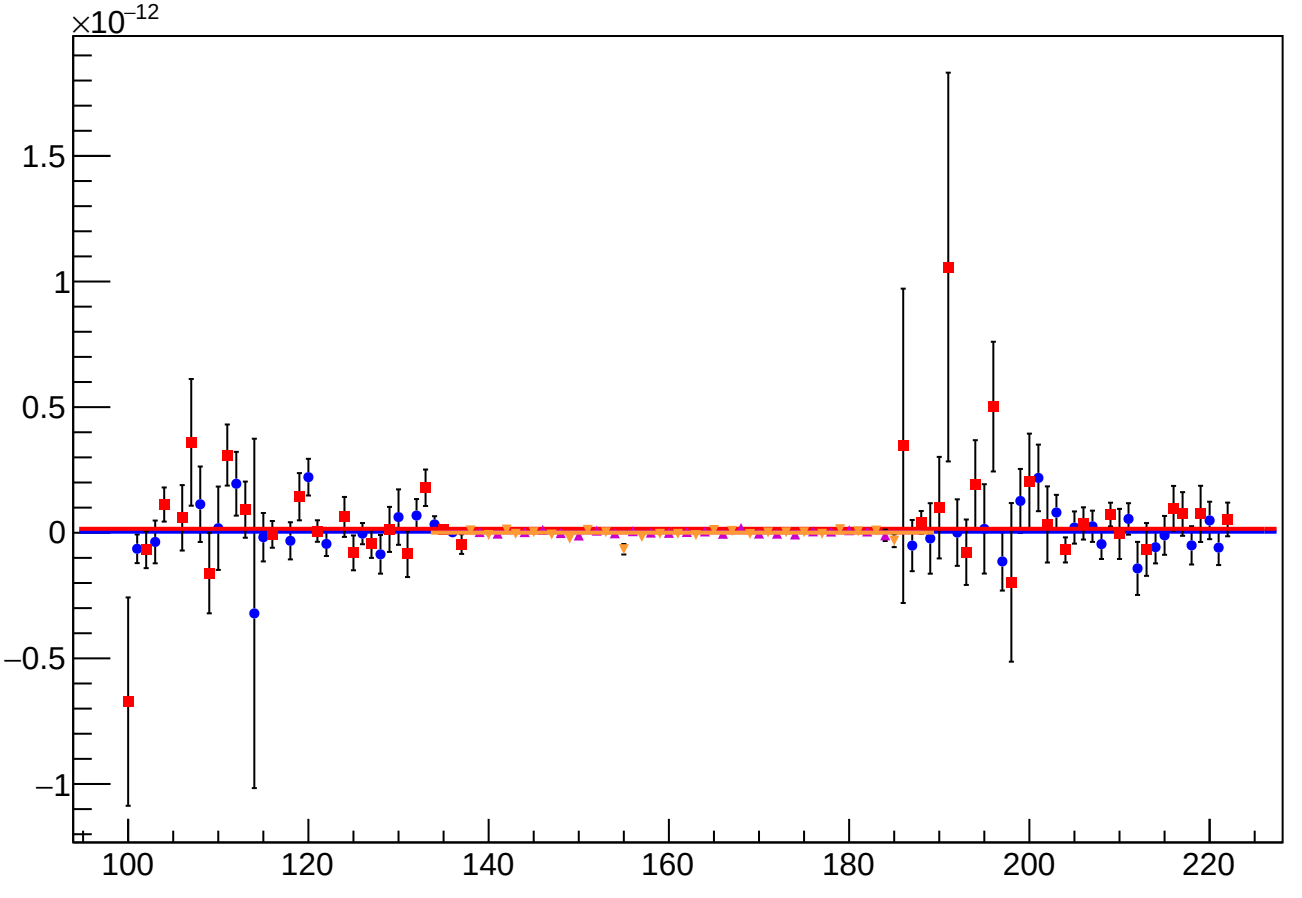
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 718.927+/-0.080 χ^2/NDF: 7335590.9/71

In: 310.771+/-0.040 χ^2/NDF:19145671.8/56

Out: 309.853+/-0.039 χ^2/NDF:21006779.2/62

All: 310.307+/-0.028 χ^2/NDF: 40152720.2/11



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: 45.7/37

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

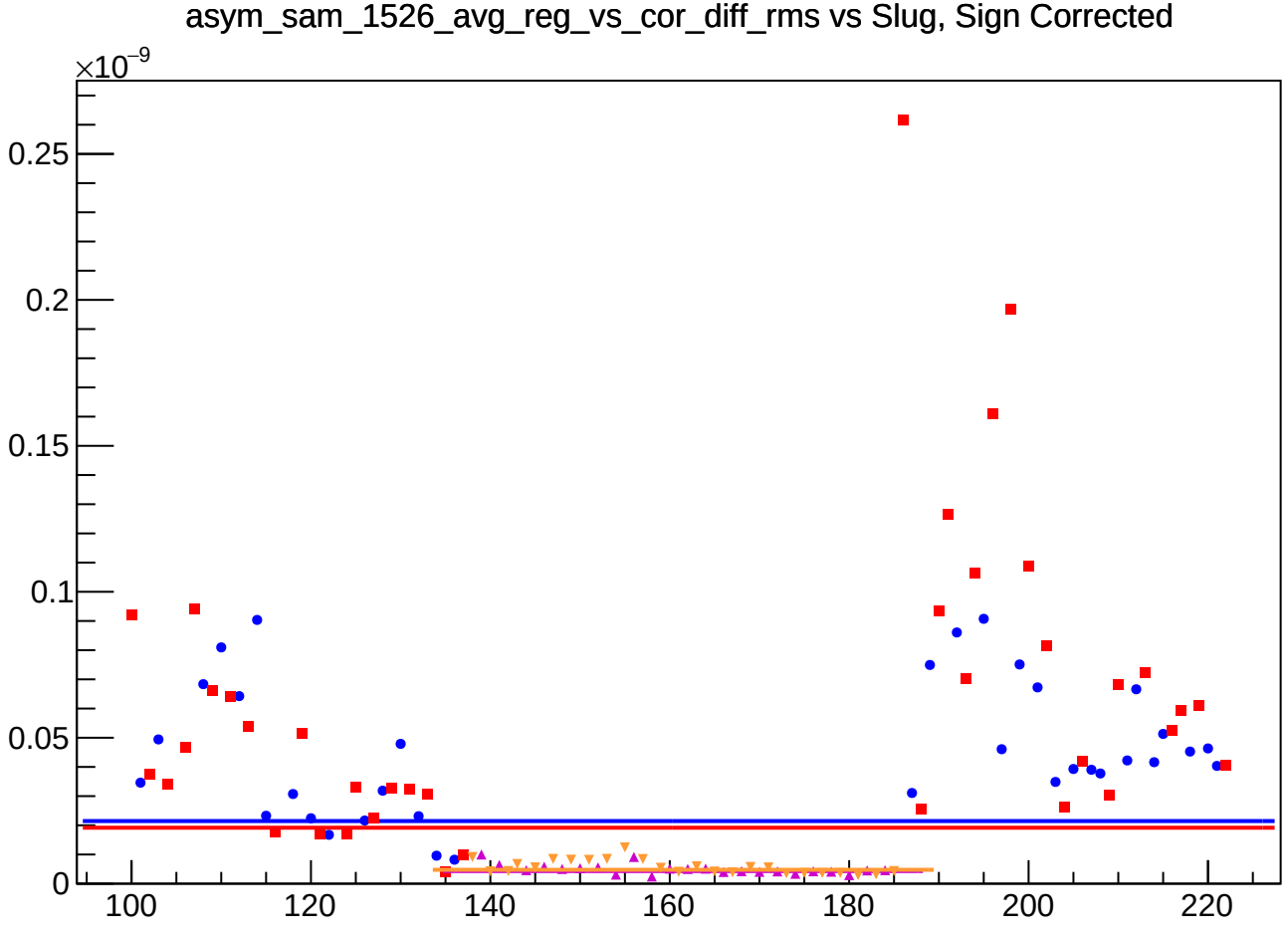
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 77.0/71

In: 0.000+/-0.000 χ^2/NDF:44.5/56

Out: 0.000+/-0.000 χ^2/NDF:75.2/62

All: 0.000+/-0.000 χ^2/NDF: 119.8/119



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: 10373382.7/37

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

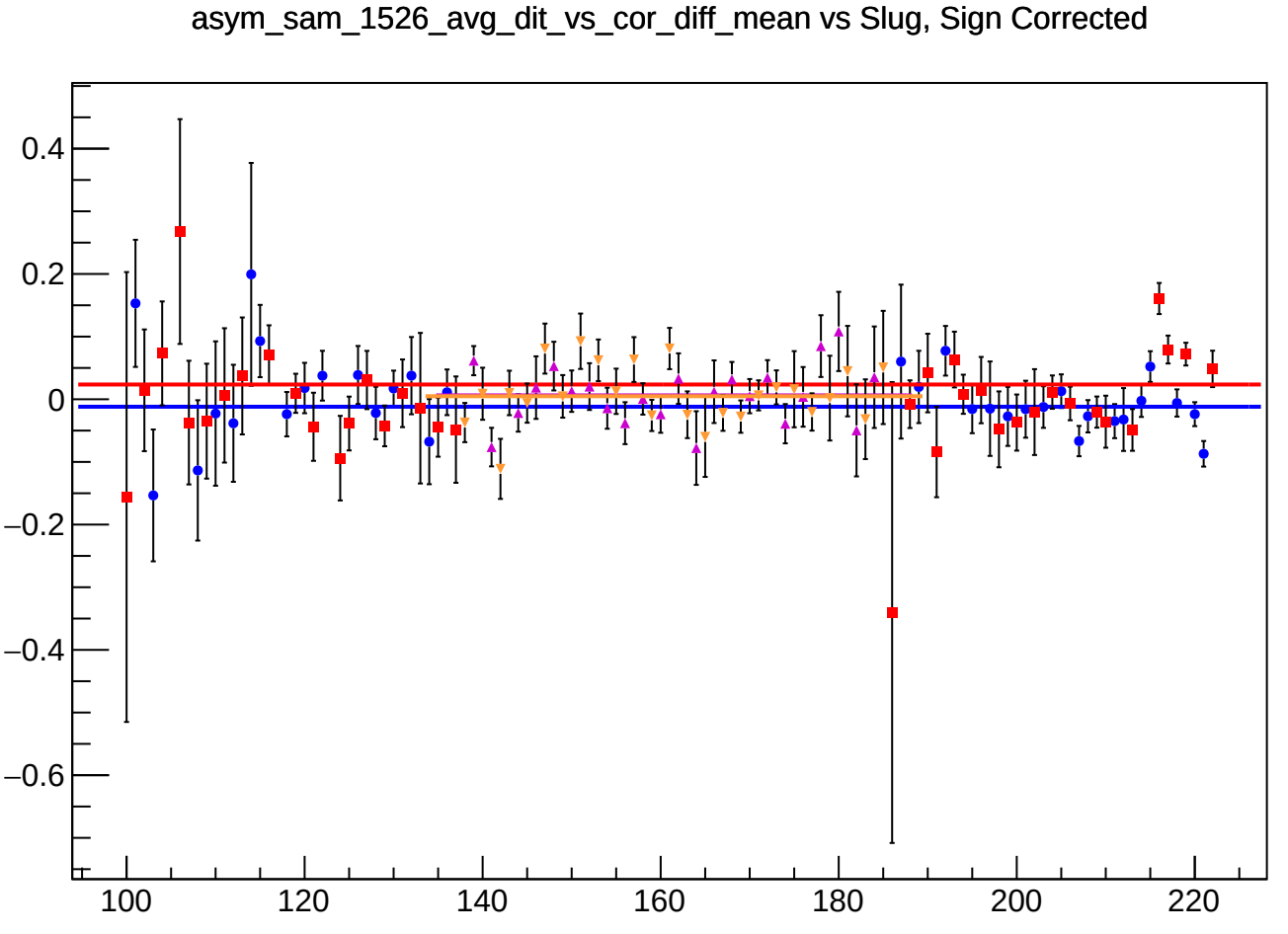
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17822923.4/71

In: 0.000+/-0.000 χ^2/NDF:15010400.9/56

Out: 0.000+/-0.000 χ^2/NDF:16587274.8/62

All: 0.000+/-0.000 χ^2/NDF: 31633467.6/119



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: 0.024+/-0.007 χ^2/NDF: 83.2/37

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

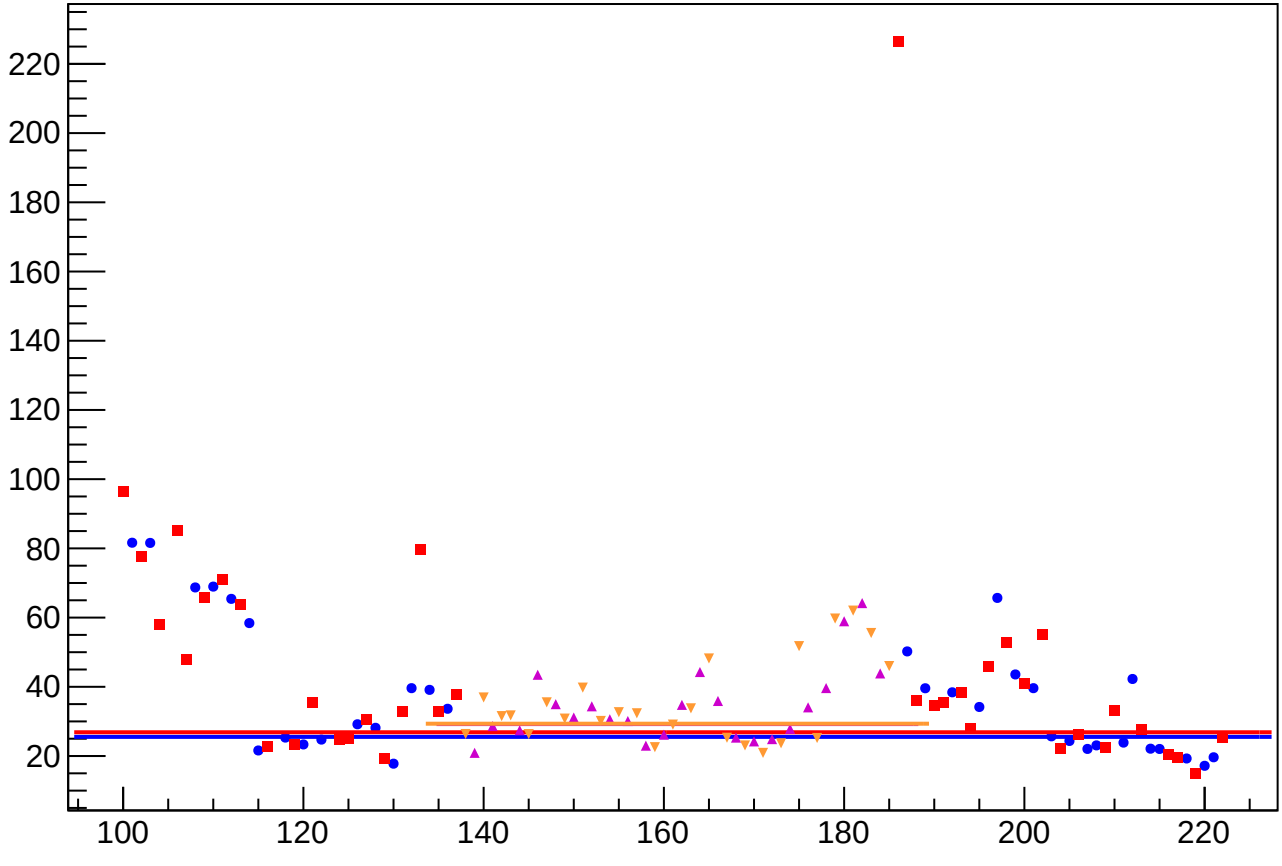
Right: 0.005+/-0.004 χ^2/NDF: 149.2/71

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.015+/-0.005 χ^2/NDF:120.9/62

All: 0.005+/-0.003 χ^2/NDF: 214.2/119

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: 26.863+/-0.005 χ^2/NDF: 6356583.6/37

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

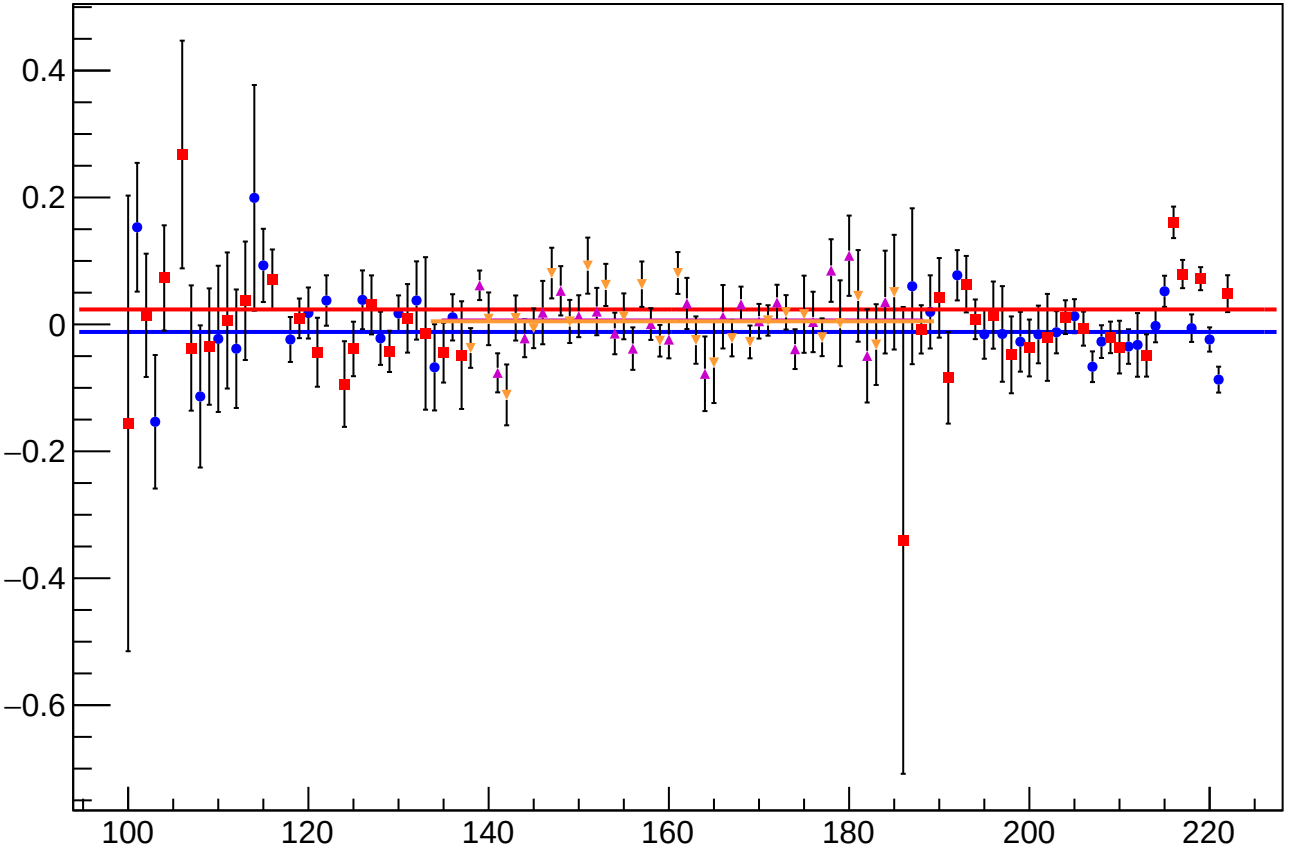
Right: 26.152+/-0.003 χ^2/NDF: 11711570.1/71

In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 27.995+/-0.003 χ^2/NDF:9175270.8/62

All: 27.515+/-0.002 χ^2/NDF: 16925844.9/119

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: 0.024+/-0.007 χ^2/NDF: 83.2/37

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

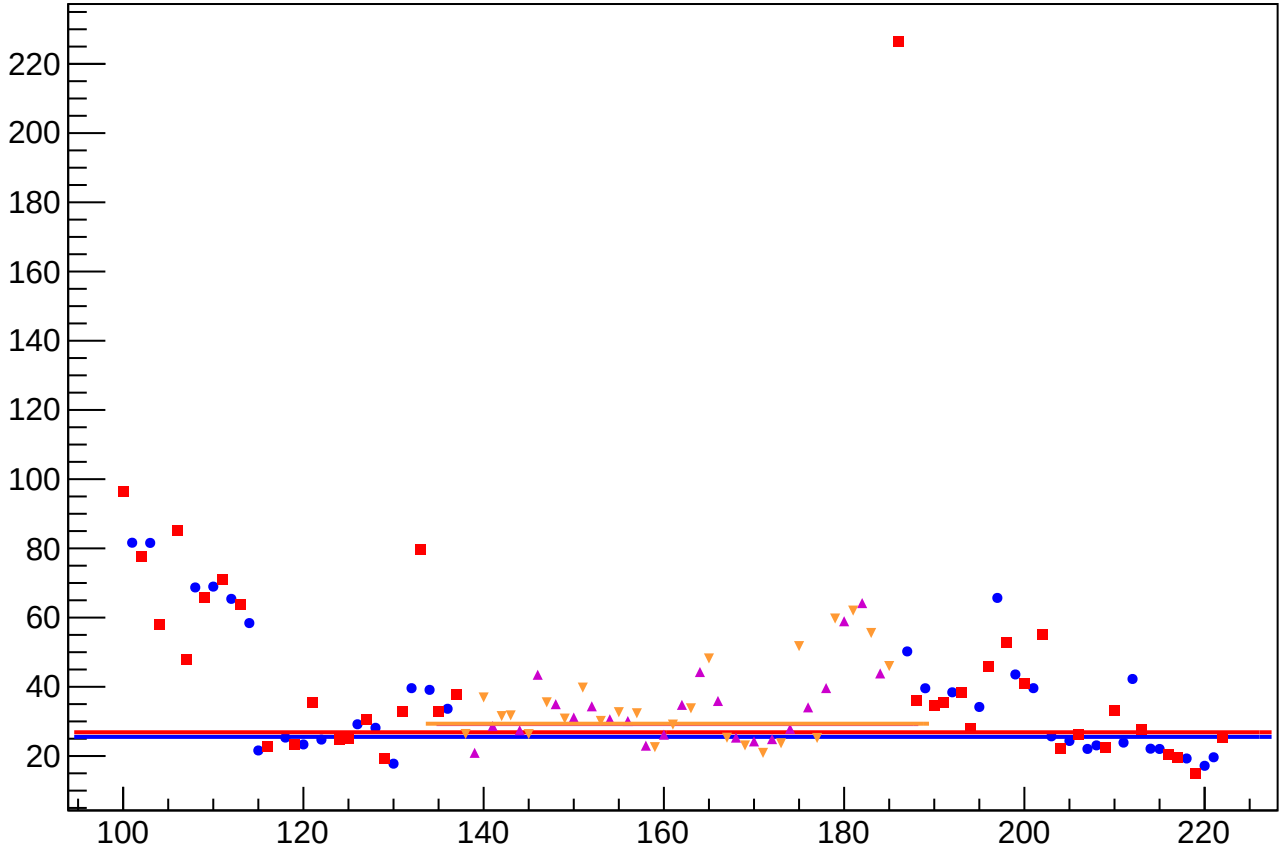
Right: 0.005+/-0.004 χ^2/NDF: 149.2/71

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.015+/-0.005 χ^2/NDF:120.9/62

All: 0.005+/-0.003 χ^2/NDF: 214.2/119

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: 26.863+/-0.005 χ^2/NDF: 6356583.6/37

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

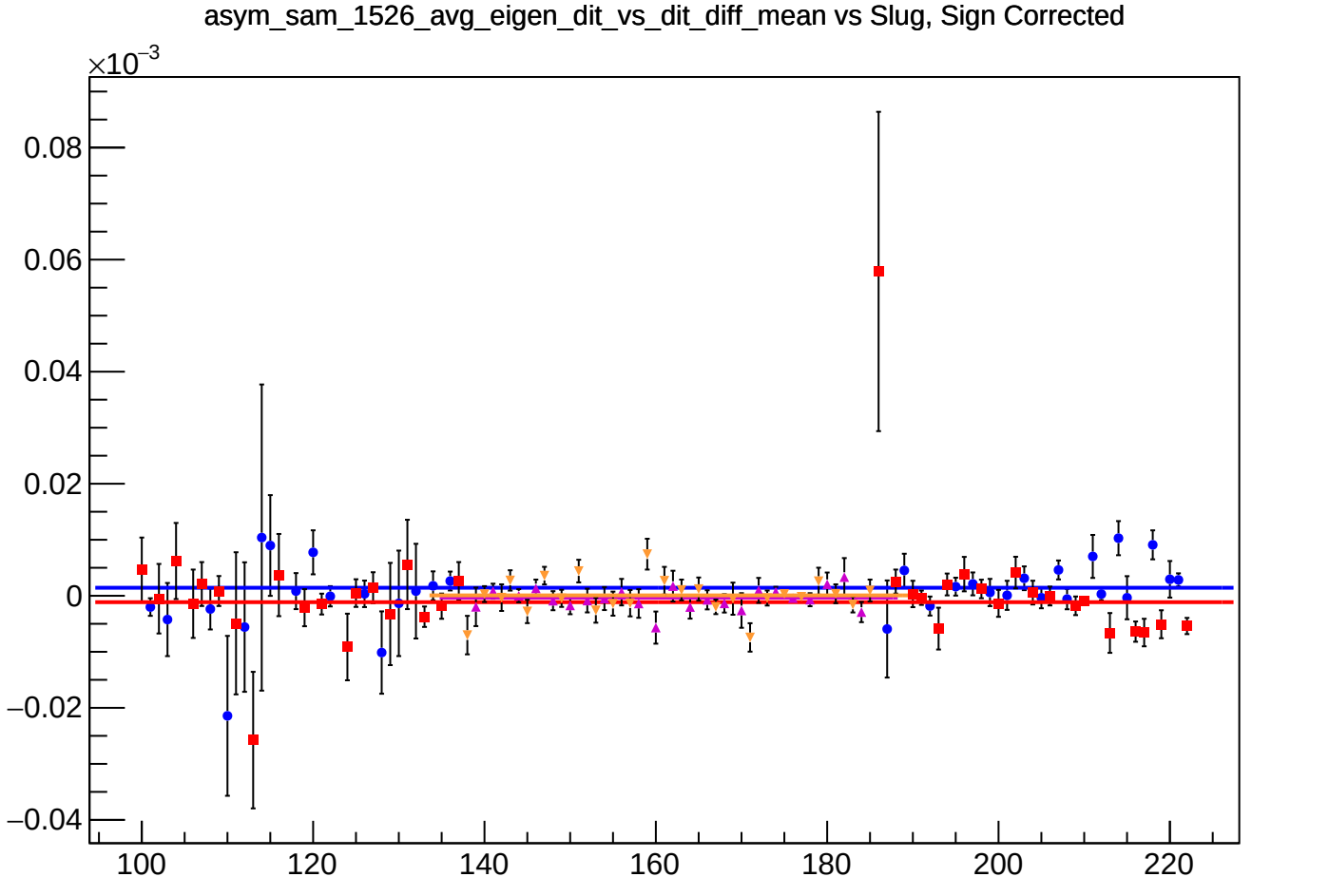
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 26.152+/-0.003 χ^2/NDF: 11711570.1/71

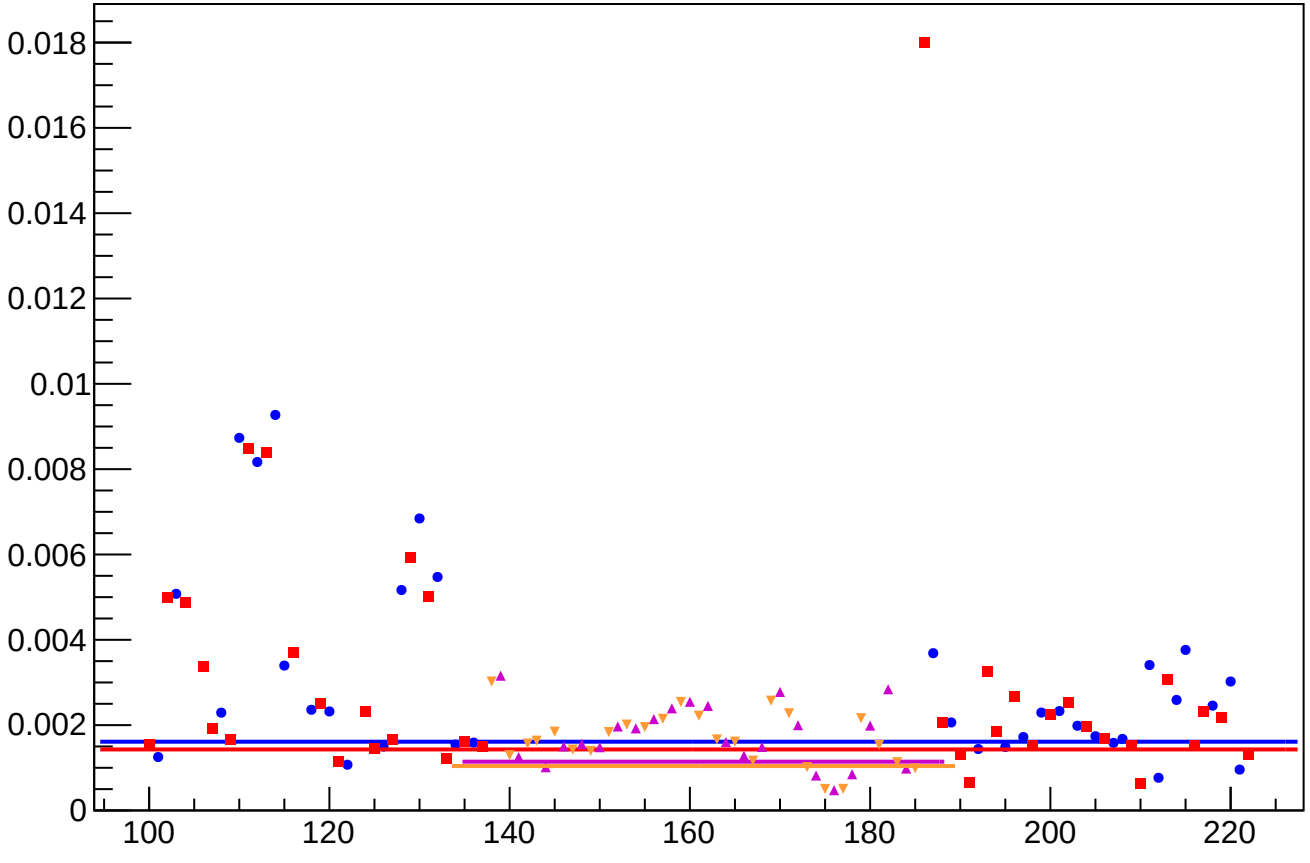
In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 27.995+/-0.003 χ^2/NDF:9175270.8/62

All: 27.515+/-0.002 χ^2/NDF: 16925844.9/119


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 51.6/33
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 64.1/37
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 138.9/71
In: 0.000+/-0.000 χ²/NDF:79.1/56
Out: -0.000+/-0.000 χ²/NDF:115.0/62
All: -0.000+/-0.000 χ²/NDF: 199.0/119

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8230775.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10711910.9/37

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

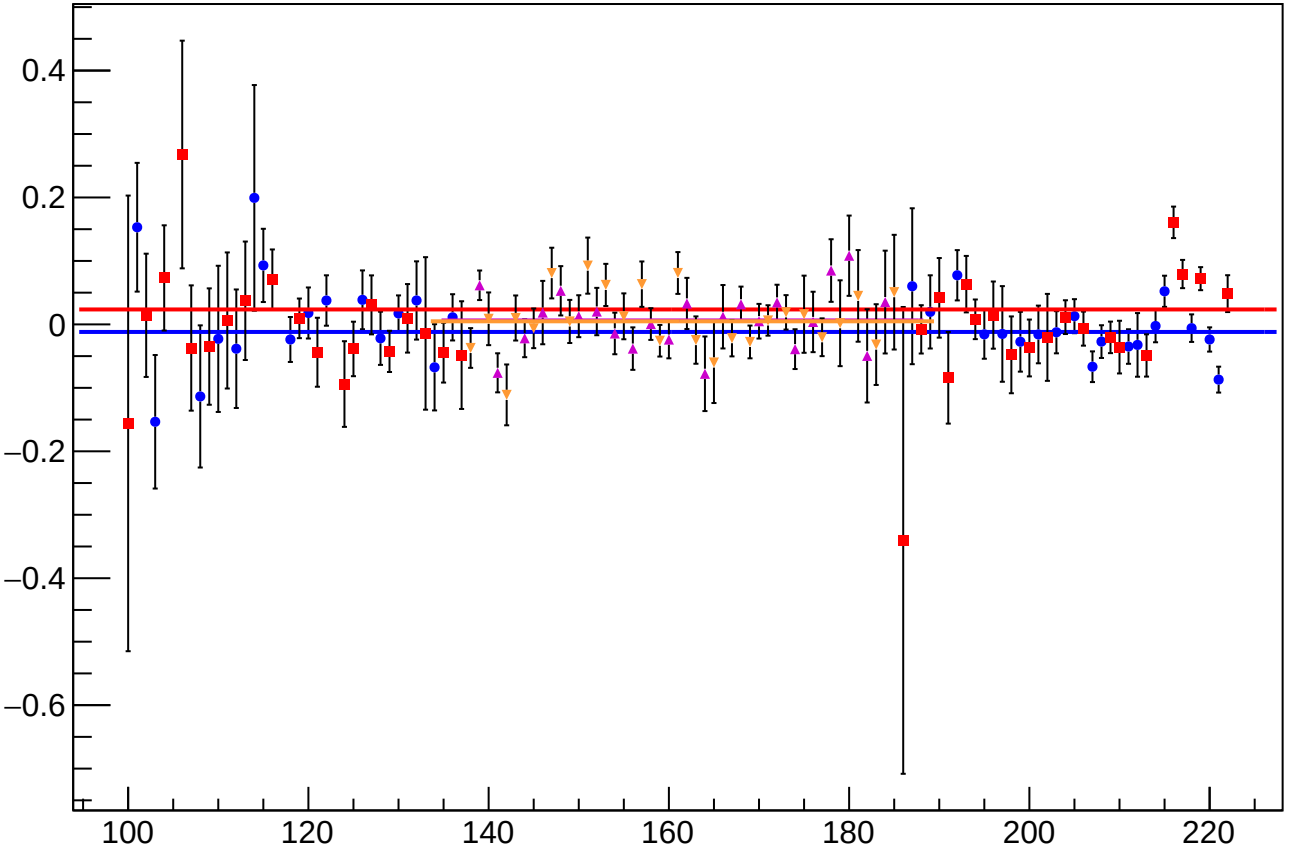
Right: 0.002+/-0.000 χ^2/NDF: 19172951.6/71

In: 0.001+/-0.000 χ^2/NDF:18246652.0/56

Out: 0.001+/-0.000 χ^2/NDF:22014575.7/62

All: 0.001+/-0.000 χ^2/NDF: 40584637.4/119

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: 0.024+/-0.007 χ^2/NDF: 83.2/37

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

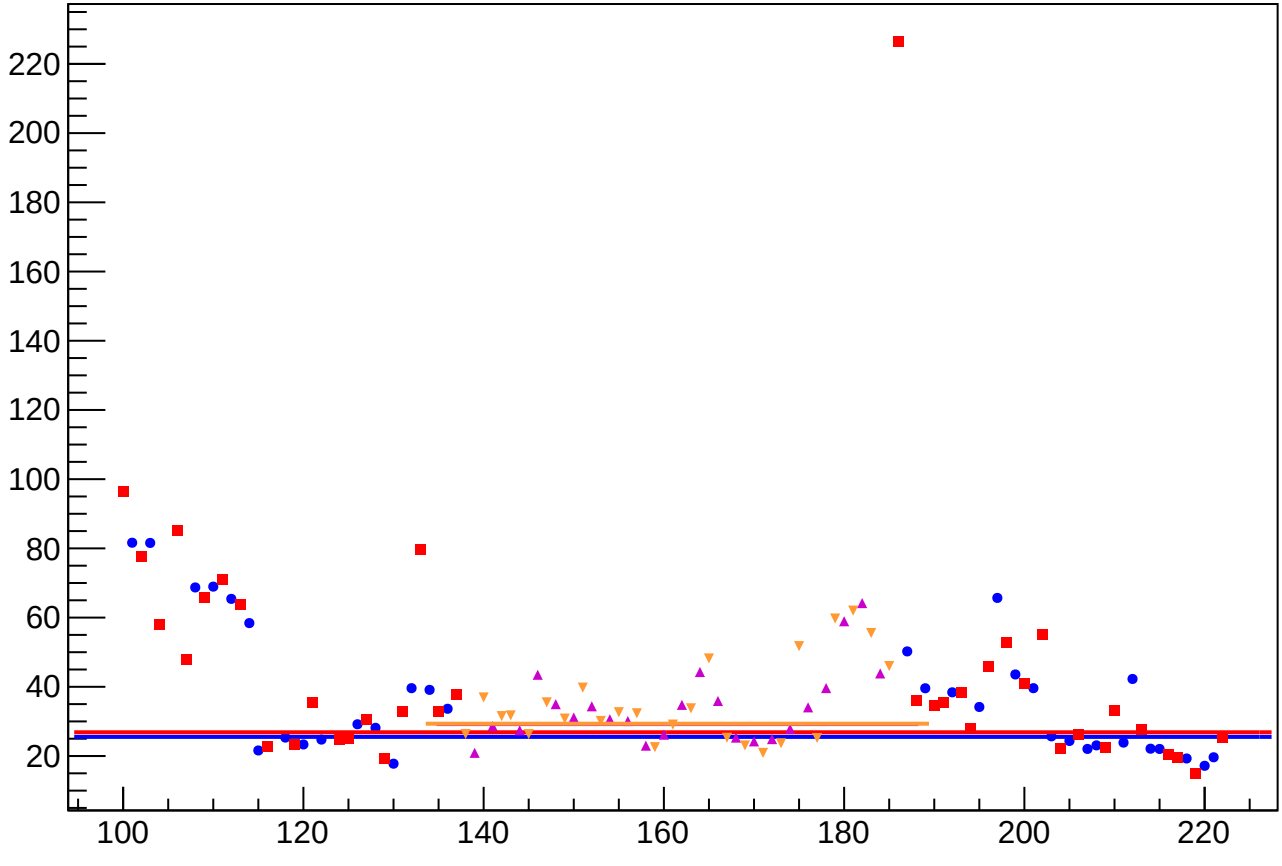
Right: 0.005+/-0.004 χ^2/NDF: 149.2/71

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.015+/-0.005 χ^2/NDF:120.9/62

All: 0.005+/-0.003 χ^2/NDF: 214.2/119

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: 26.863+/-0.005 χ^2/NDF: 6356883.8/37

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

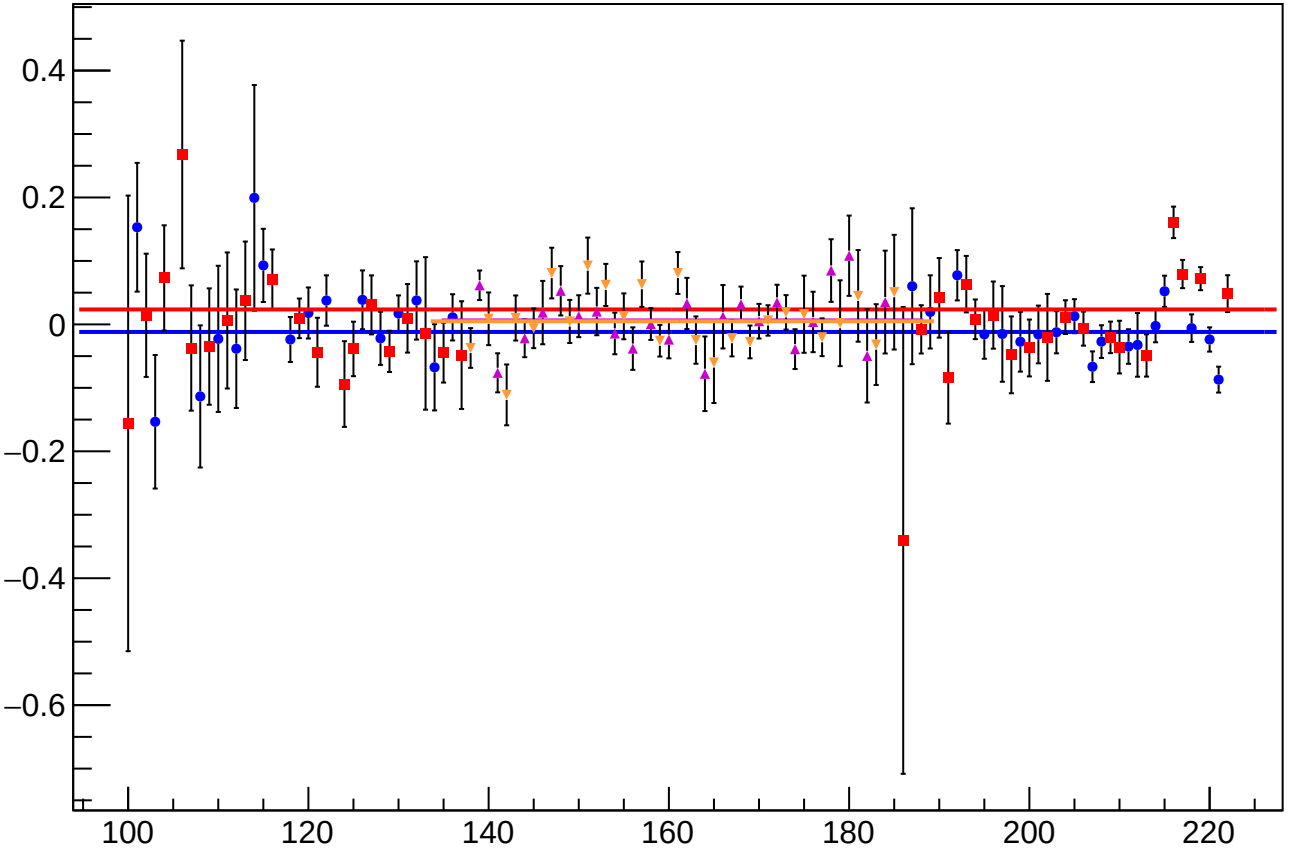
Right: 26.152+/-0.003 χ^2/NDF: 11712267.1/71

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 27.995+/-0.003 χ^2/NDF:9175710.9/62

All: 27.515+/-0.002 χ^2/NDF: 16926828.3/119

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: 0.024+/-0.007 χ^2/NDF: 83.2/37

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

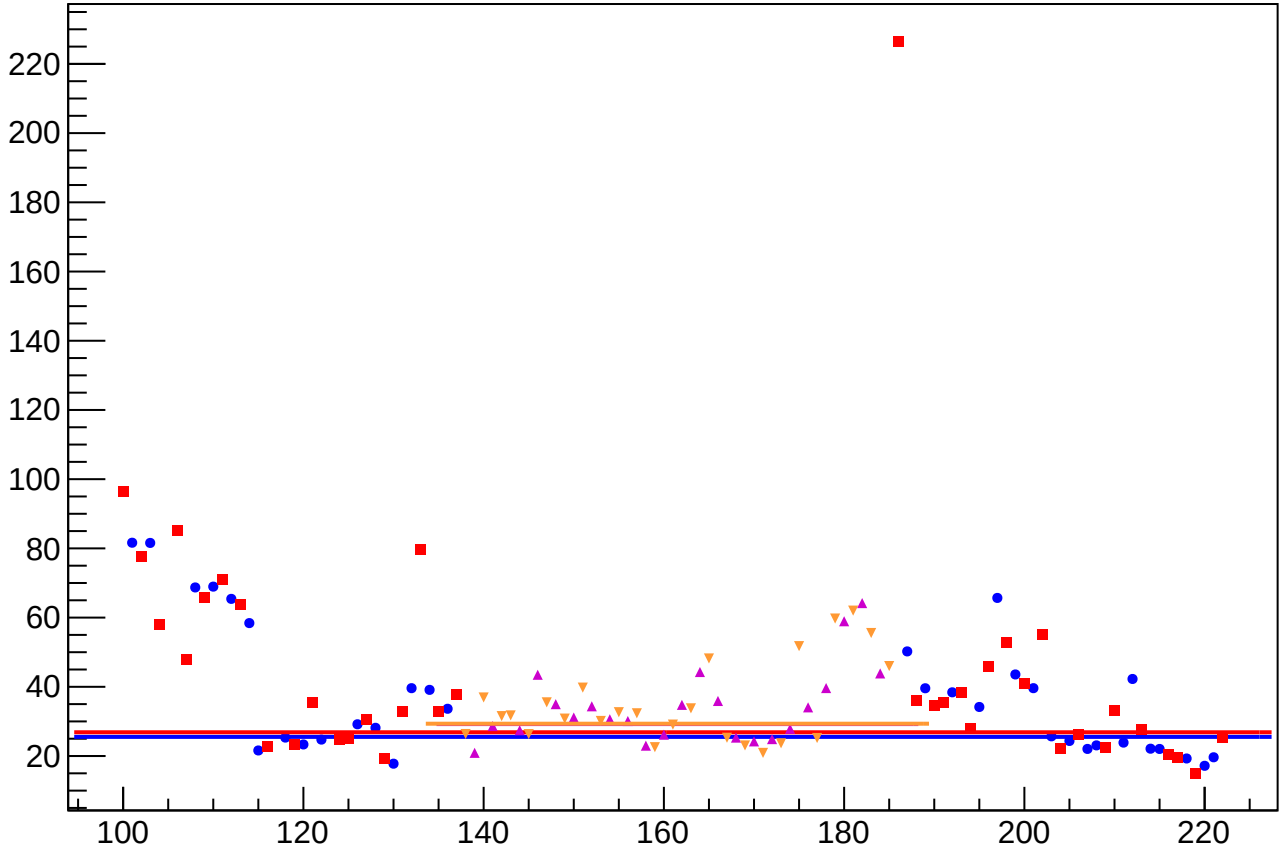
Right: 0.005+/-0.004 χ^2/NDF: 149.2/71

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.015+/-0.005 χ^2/NDF:120.9/62

All: 0.005+/-0.003 χ^2/NDF: 214.2/119

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: 26.863+/-0.005 χ^2/NDF: 6356883.8/37

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

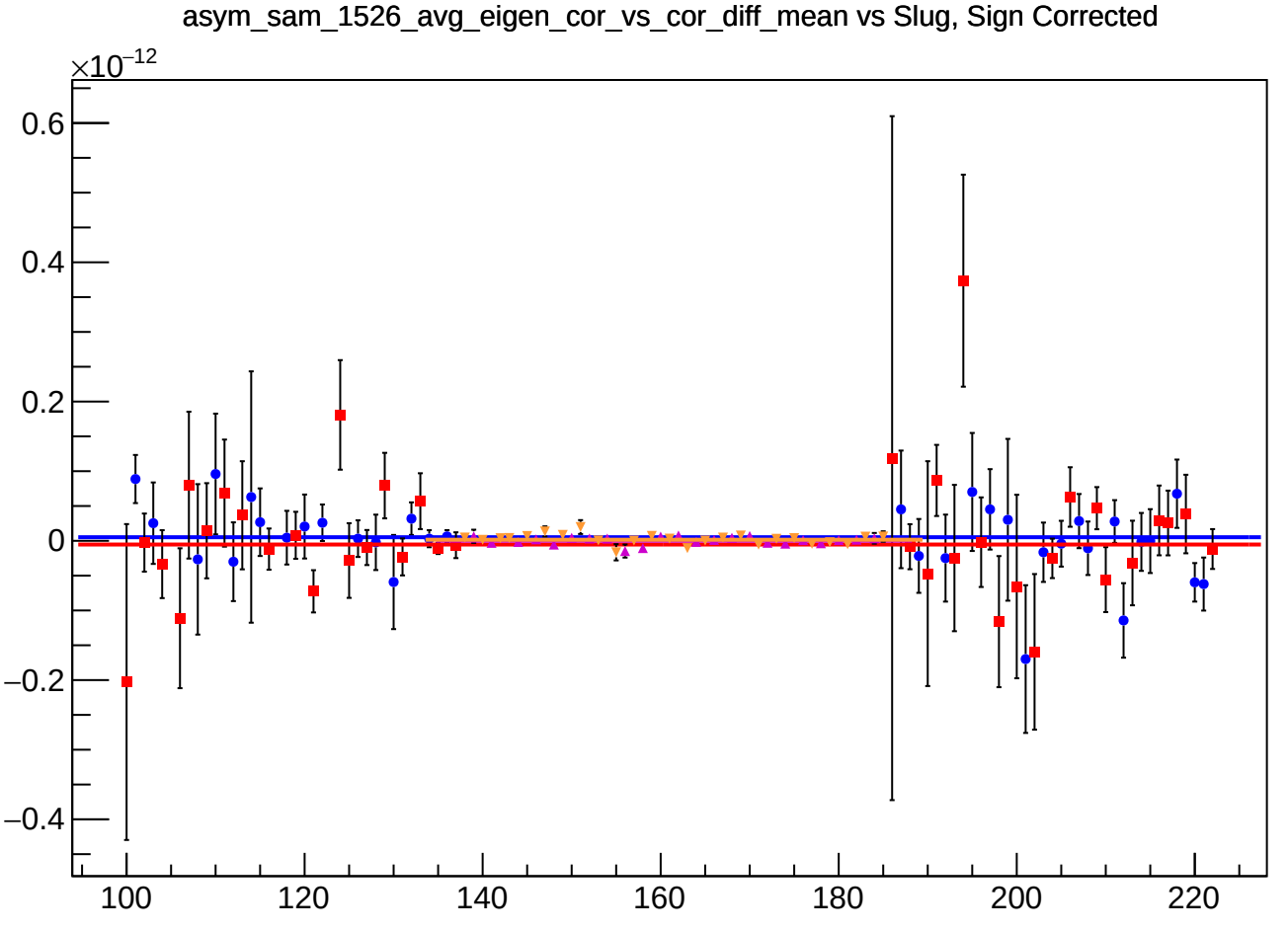
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 26.152+/-0.003 χ^2/NDF: 11712267.1/71

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 27.995+/-0.003 χ^2/NDF:9175710.9/62

All: 27.515+/-0.002 χ^2/NDF: 16926828.3/119



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: 43.8/37

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

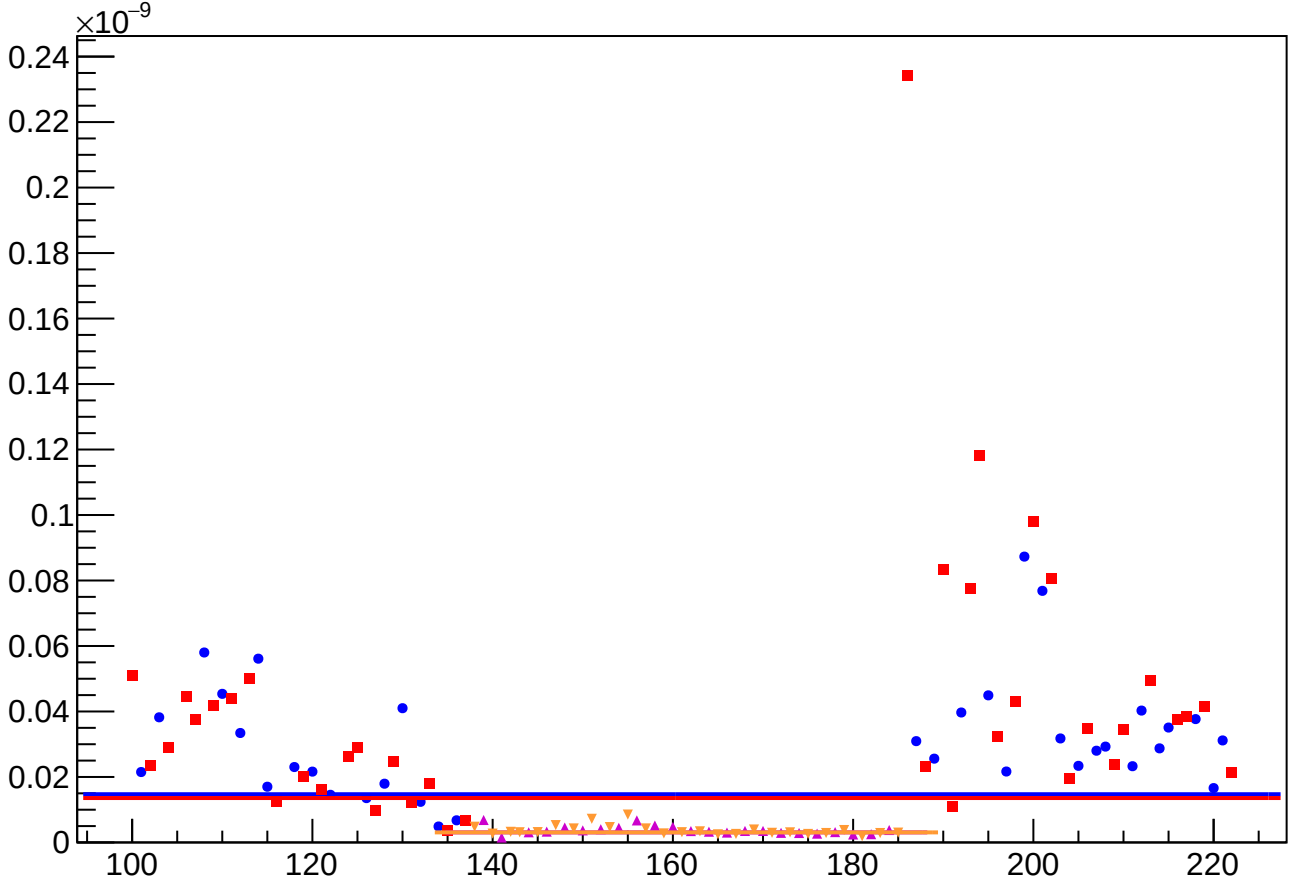
Right: -0.000+/-0.000 χ^2/NDF: 77.9/71

In: 0.000+/-0.000 χ^2/NDF:51.5/56

Out: 0.000+/-0.000 χ^2/NDF:80.4/62

All: 0.000+/-0.000 χ^2/NDF: 132.5/119

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: 13822850.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

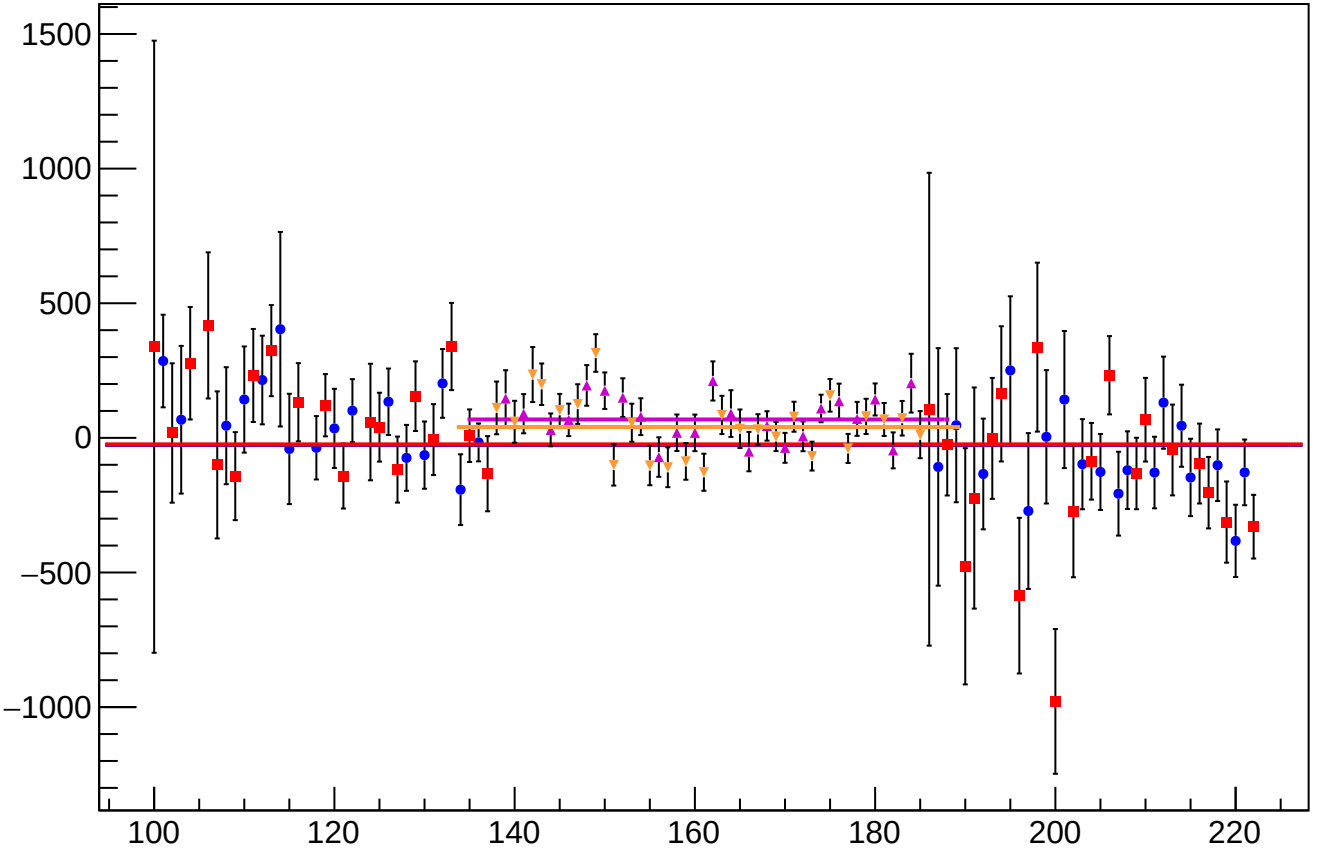
Right: 0.000+/-0.000 χ^2/NDF: 23761494.4/71

In: 0.000+/-0.000 χ^2/NDF:21716279.6/56

Out: 0.000+/-0.000 χ^2/NDF:23643149.2/62

All: 0.000+/-0.000 χ^2/NDF: 45363947.7/119

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: -24.329+/-26.727 χ^2/NDF: 61.6/37

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

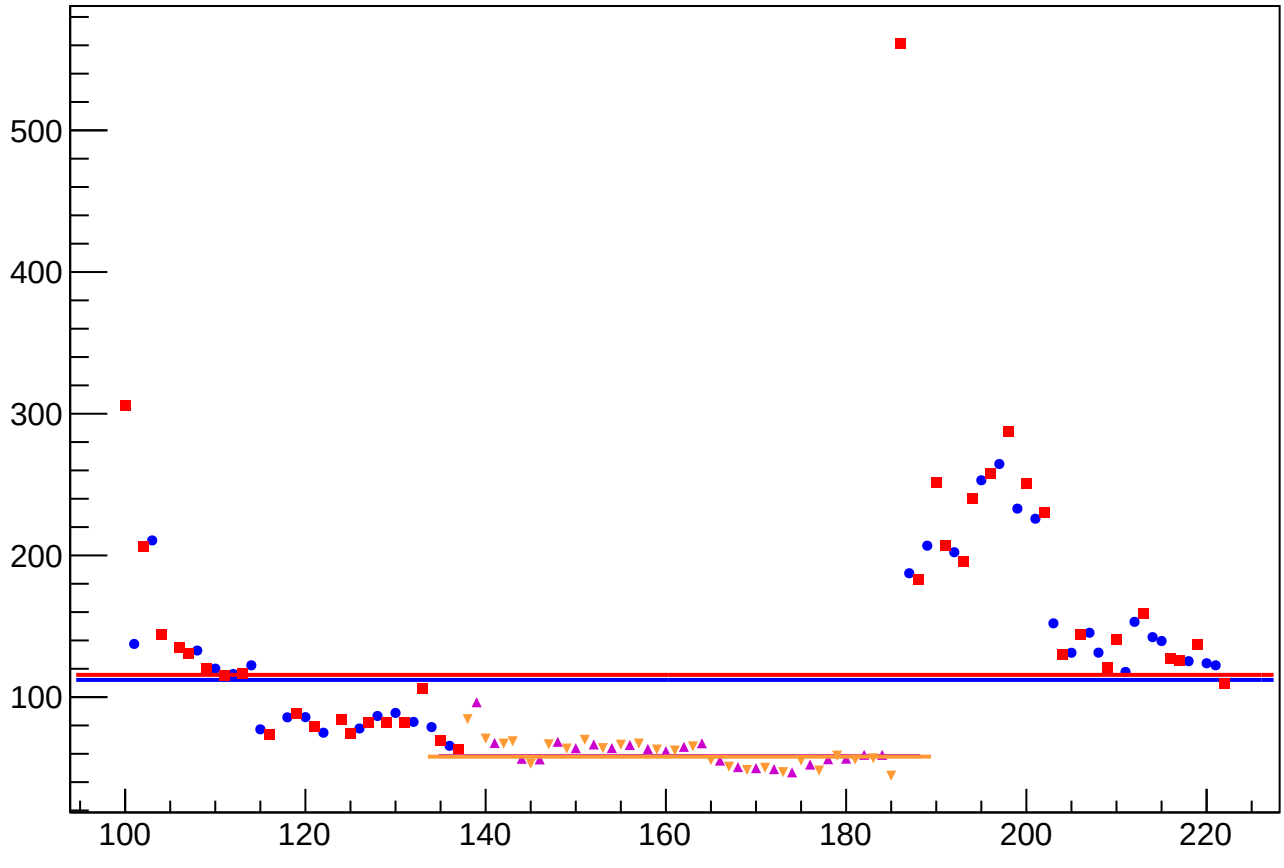
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -25.304+/-18.551 χ^2/NDF: 93.0/71

In: 47.115+/-12.211 χ^2/NDF:73.6/56

Out: 27.348+/-11.980 χ^2/NDF:125.7/62

All: 37.043+/-8.552 χ^2/NDF: 200.6/119



Right In: 112.155+/-0.018 χ^2/NDF: 5383736.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 115.719+/-0.019 χ^2/NDF: 6405348.2/37

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

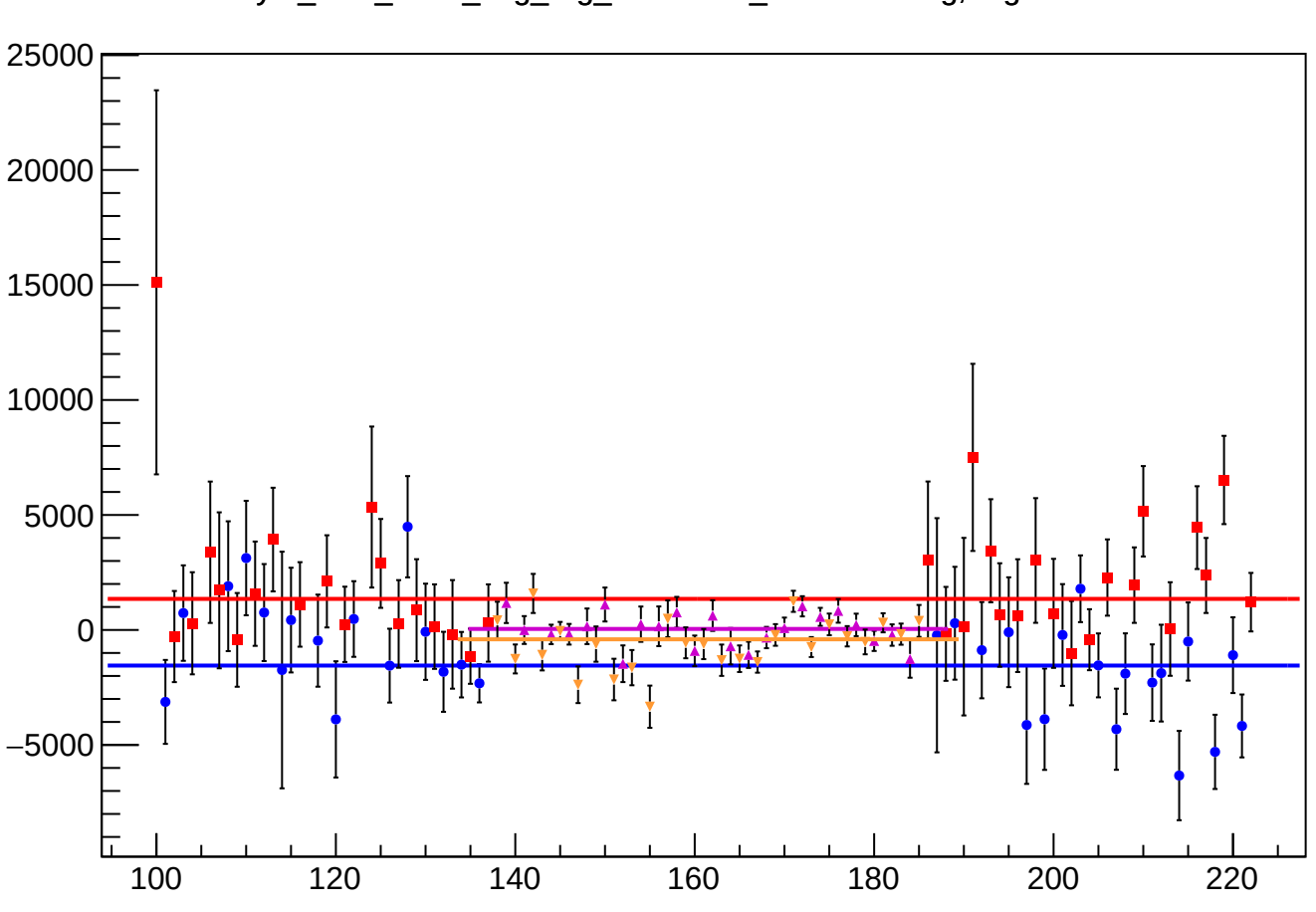
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 113.872+/-0.013 χ^2/NDF: 11807518.1/71

In: 70.466+/-0.009 χ^2/NDF:12868035.4/56

Out: 69.593+/-0.008 χ^2/NDF:14667617.4/62

All: 70.021+/-0.006 χ^2/NDF: 27540859.2/119



Right In: -1548.085+/-309.488 χ^2/NDF: 47.7/33

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 1351.018+/-324.979 χ^2/NDF: 37.5/37

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

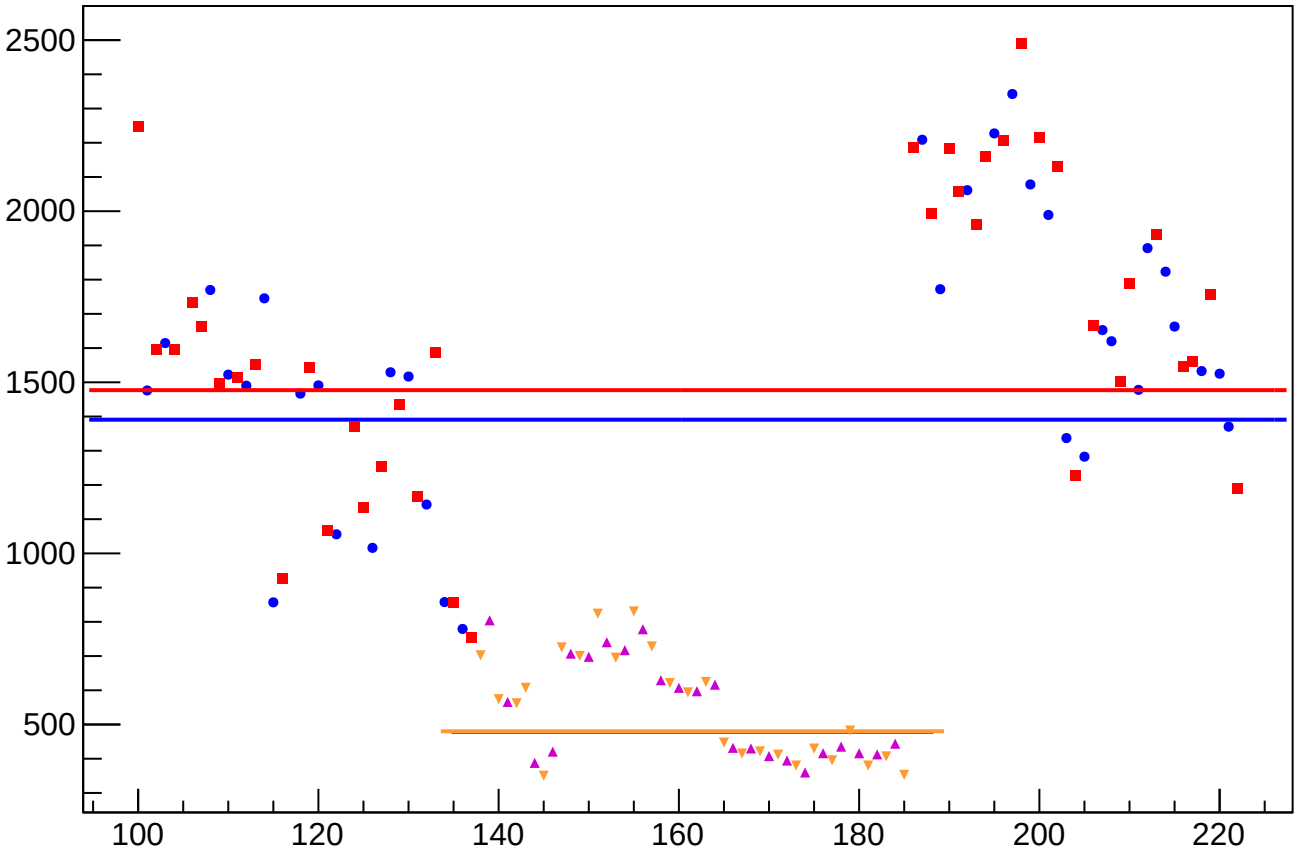
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -169.272+/-224.118 χ^2/NDF: 126.9/71

In: -150.686+/-108.428 χ^2/NDF:102.0/56

Out: -215.366+/-107.126 χ^2/NDF:126.7/62

All: -183.417+/-76.205 χ^2/NDF: 228.9/119



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: 1477.057+/-0.230 χ^2/NDF: 3233512.5/37

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

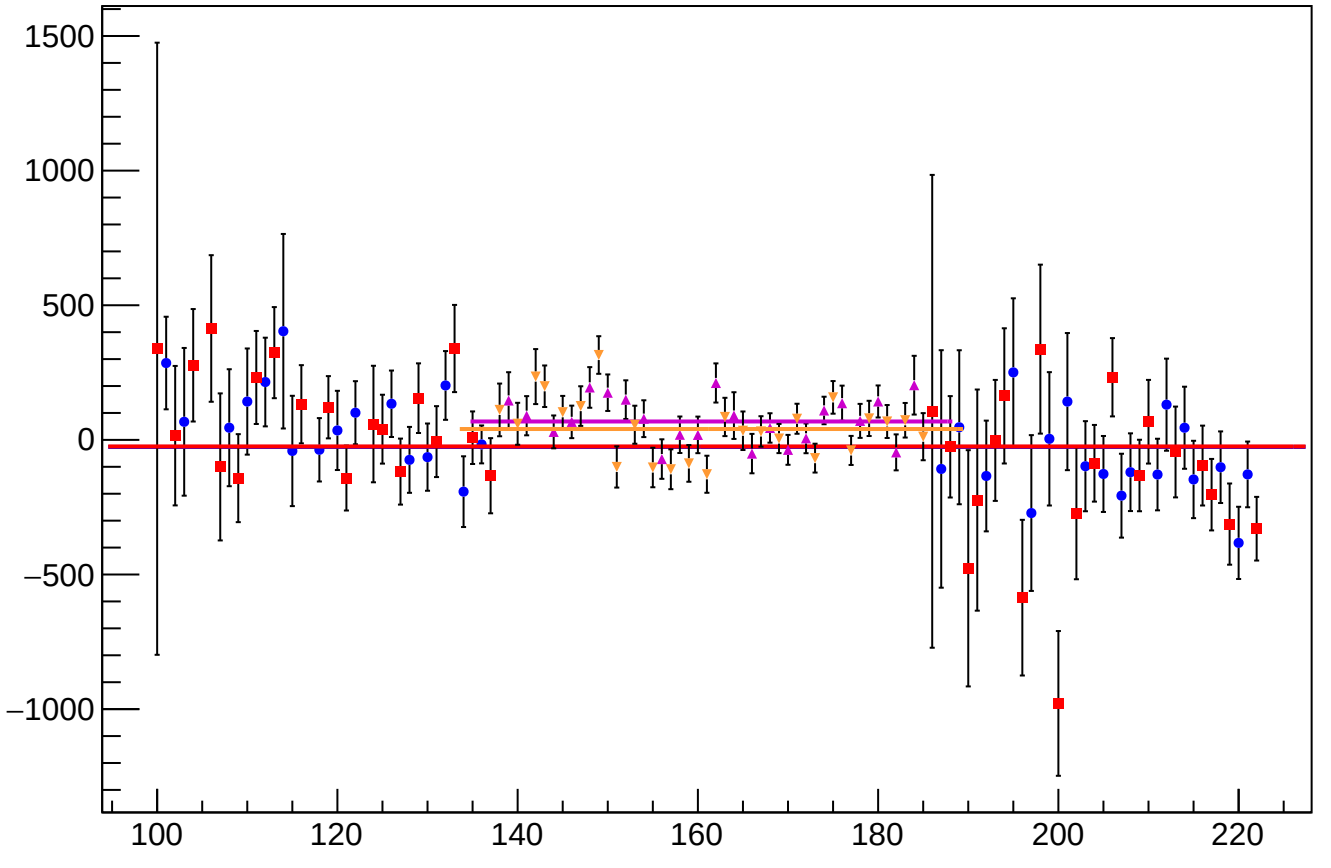
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1431.802+/-0.158 χ^2/NDF: 6676420.4/71

In: 590.107+/-0.077 χ^2/NDF:20842618.2/56

Out: 588.486+/-0.076 χ^2/NDF:22590671.9/62

All: 589.287+/-0.054 χ^2/NDF: 43433516.3/11



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: -24.421+/-26.728 χ^2/NDF: 61.6/37

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

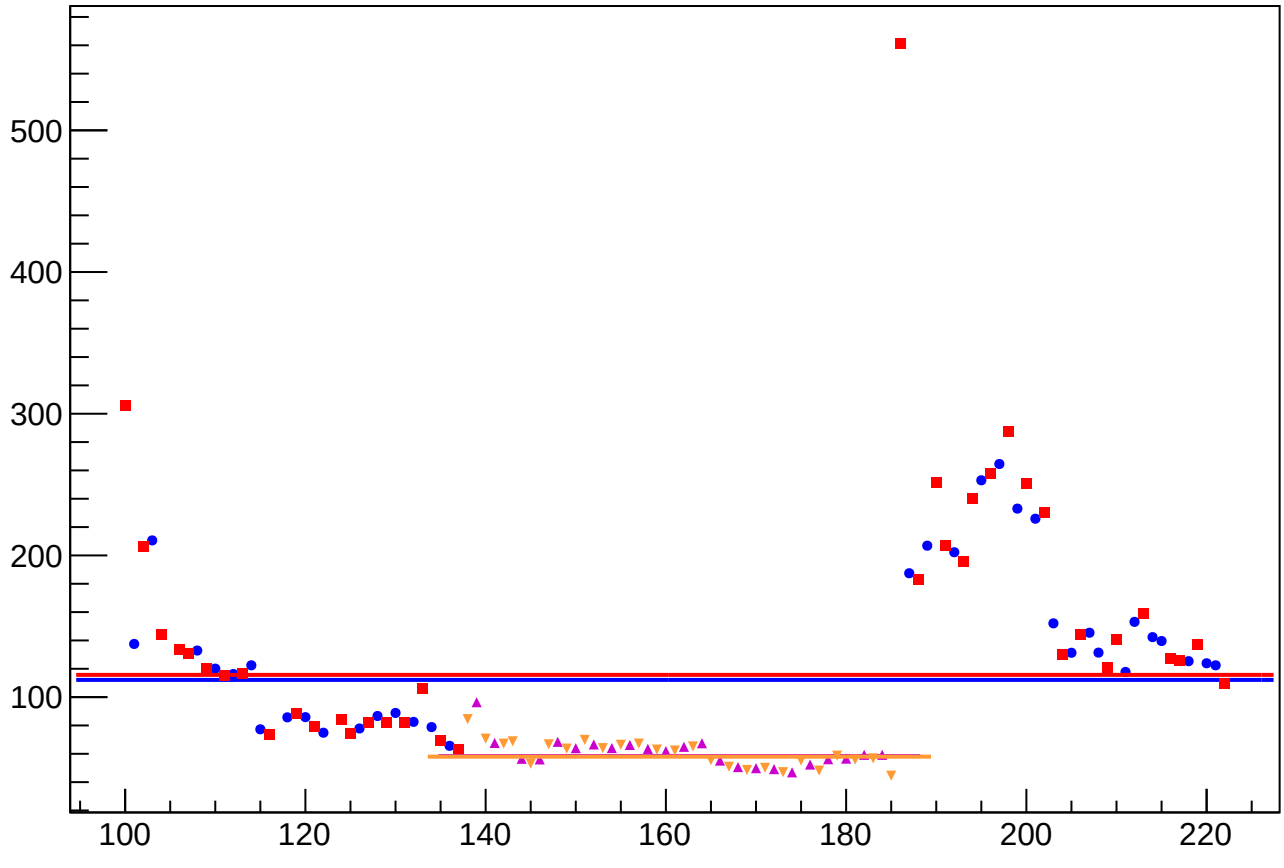
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -25.352+/-18.552 χ^2/NDF: 92.9/71

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 27.332+/-11.980 χ^2/NDF:125.7/62

All: 37.034+/-8.552 χ^2/NDF: 200.6/119



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 115.699+/-0.019 χ^2/NDF: 6403645.1/37

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

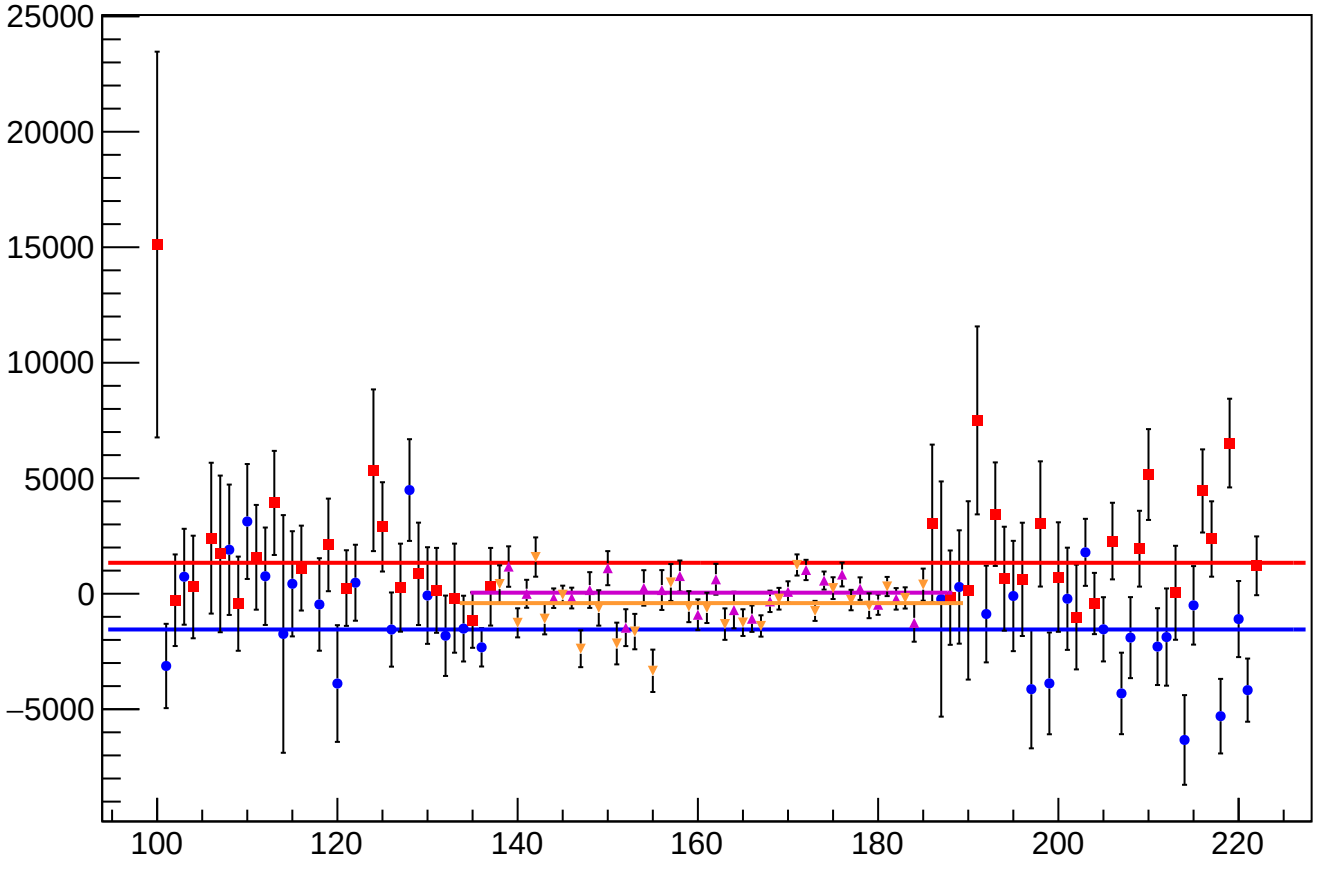
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 113.862+/-0.013 χ^2/NDF: 11805611.5/71

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.589+/-0.008 χ^2/NDF:14660329.9/62

All: 70.019+/-0.006 χ^2/NDF: 27533630.0/119



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: 1339.003+/-325.192 χ^2/NDF: 37.1/37

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

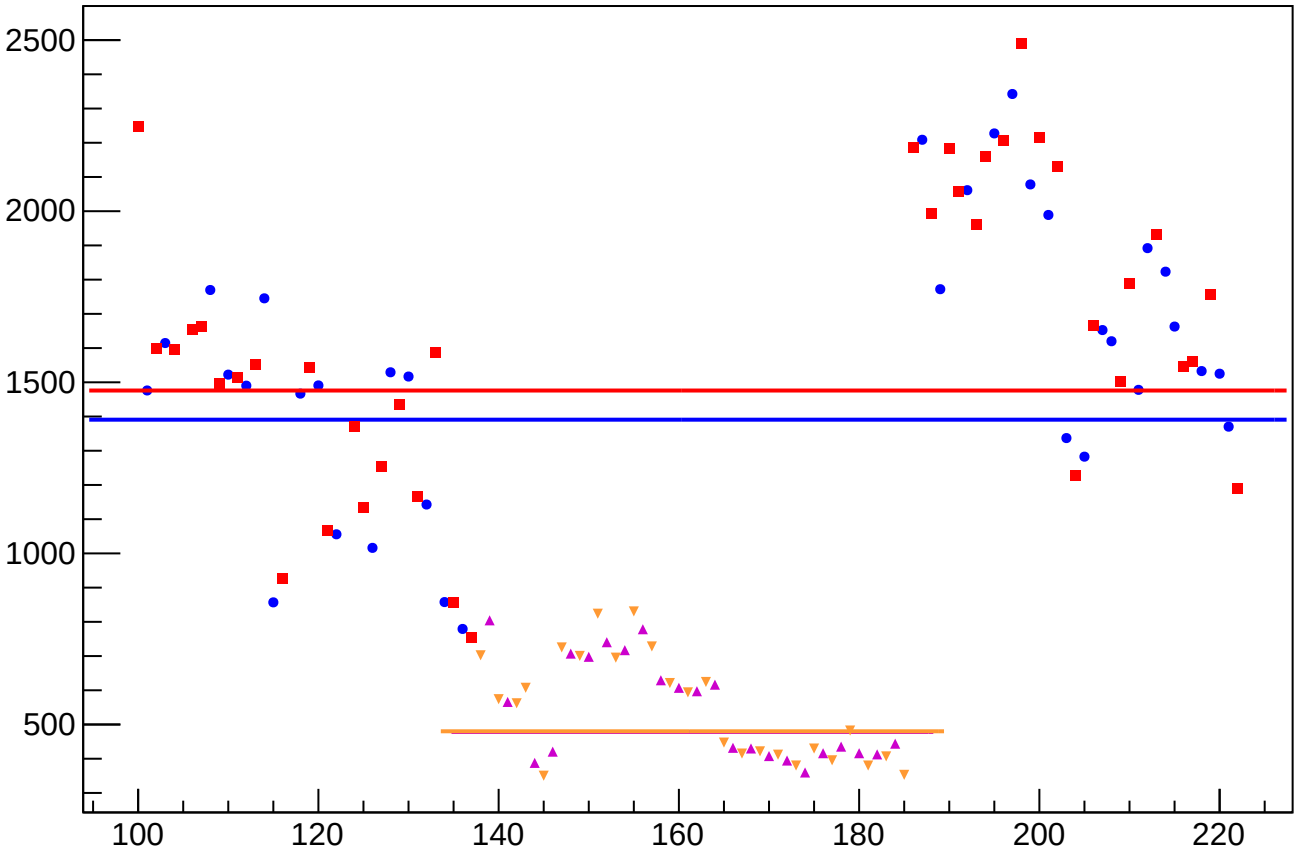
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -175.923+/-224.188 χ^2/NDF: 126.2/71

In: -150.685+/-108.428 χ^2/NDF:102.0/56

Out: -216.892+/-107.133 χ^2/NDF:126.0/62

All: -184.187+/-76.208 χ^2/NDF: 228.2/119



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: 1475.983+/-0.230 χ^2/NDF: 3225672.9/37

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

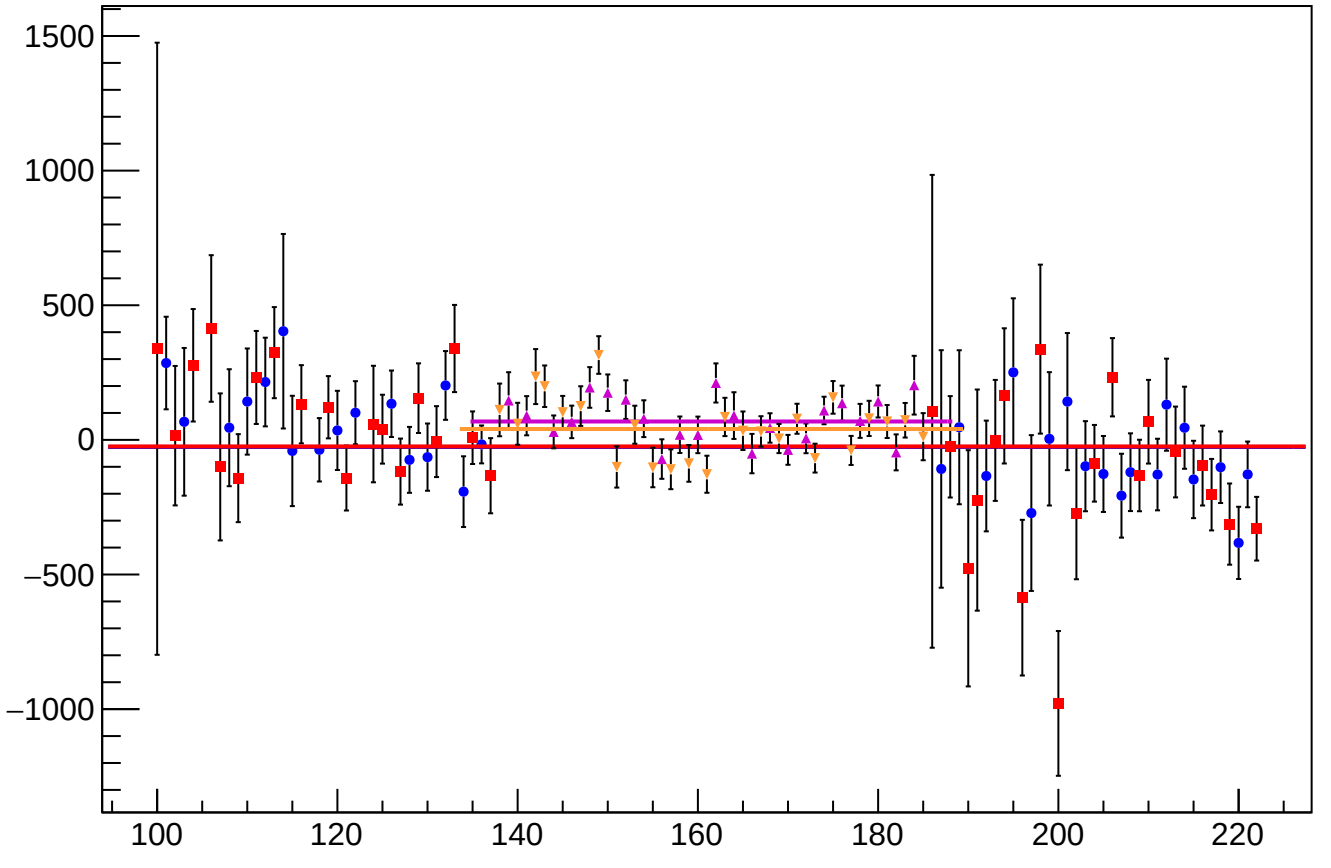
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1431.265+/-0.159 χ^2/NDF: 6666724.8/71

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 588.243+/-0.076 χ^2/NDF:22527130.6/62

All: 589.164+/-0.054 χ^2/NDF: 43370076.5/1



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: -24.421+/-26.728 χ^2/NDF: 61.6/37

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

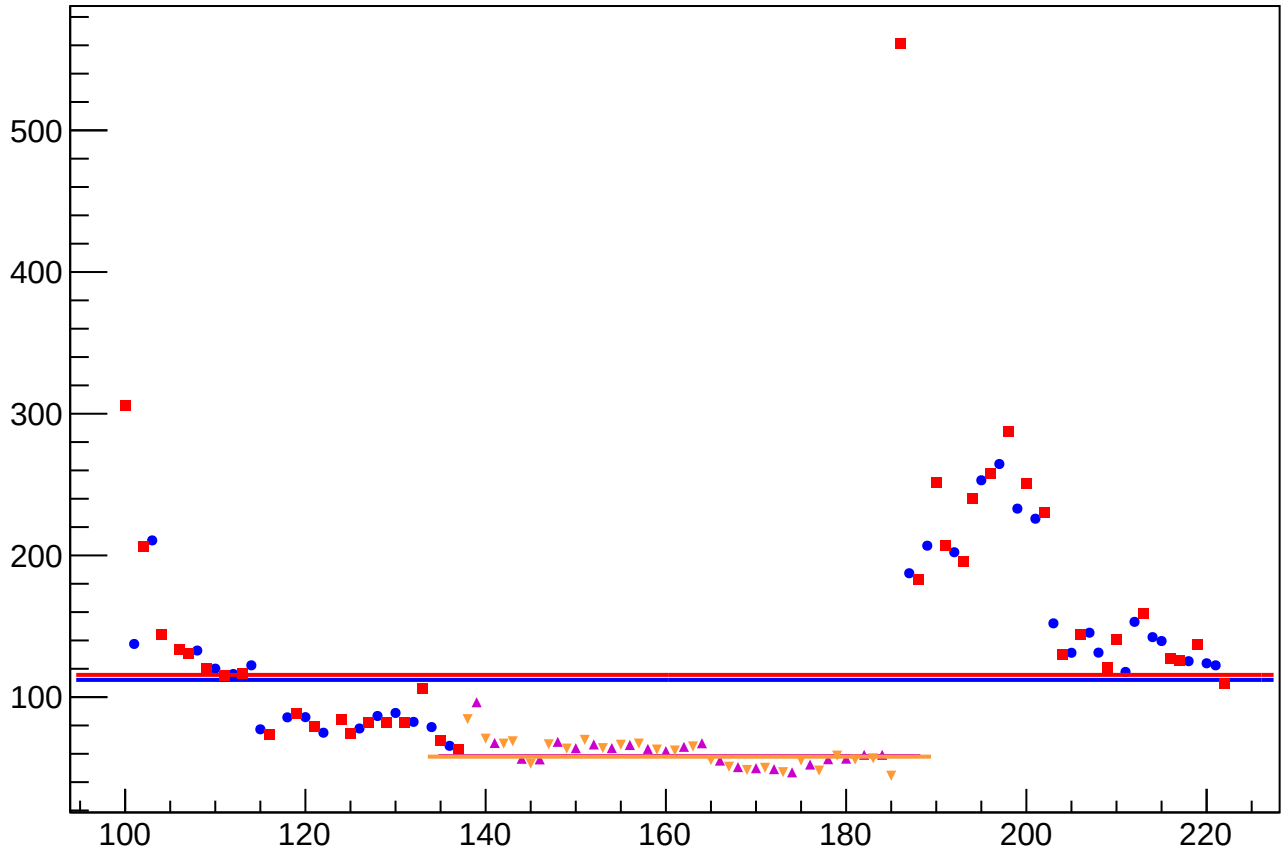
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -25.352+/-18.552 χ^2/NDF: 92.9/71

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 27.332+/-11.980 χ^2/NDF:125.7/62

All: 37.034+/-8.552 χ^2/NDF: 200.6/119



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 115.699+/-0.019 χ^2/NDF: 6403645.1/37

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

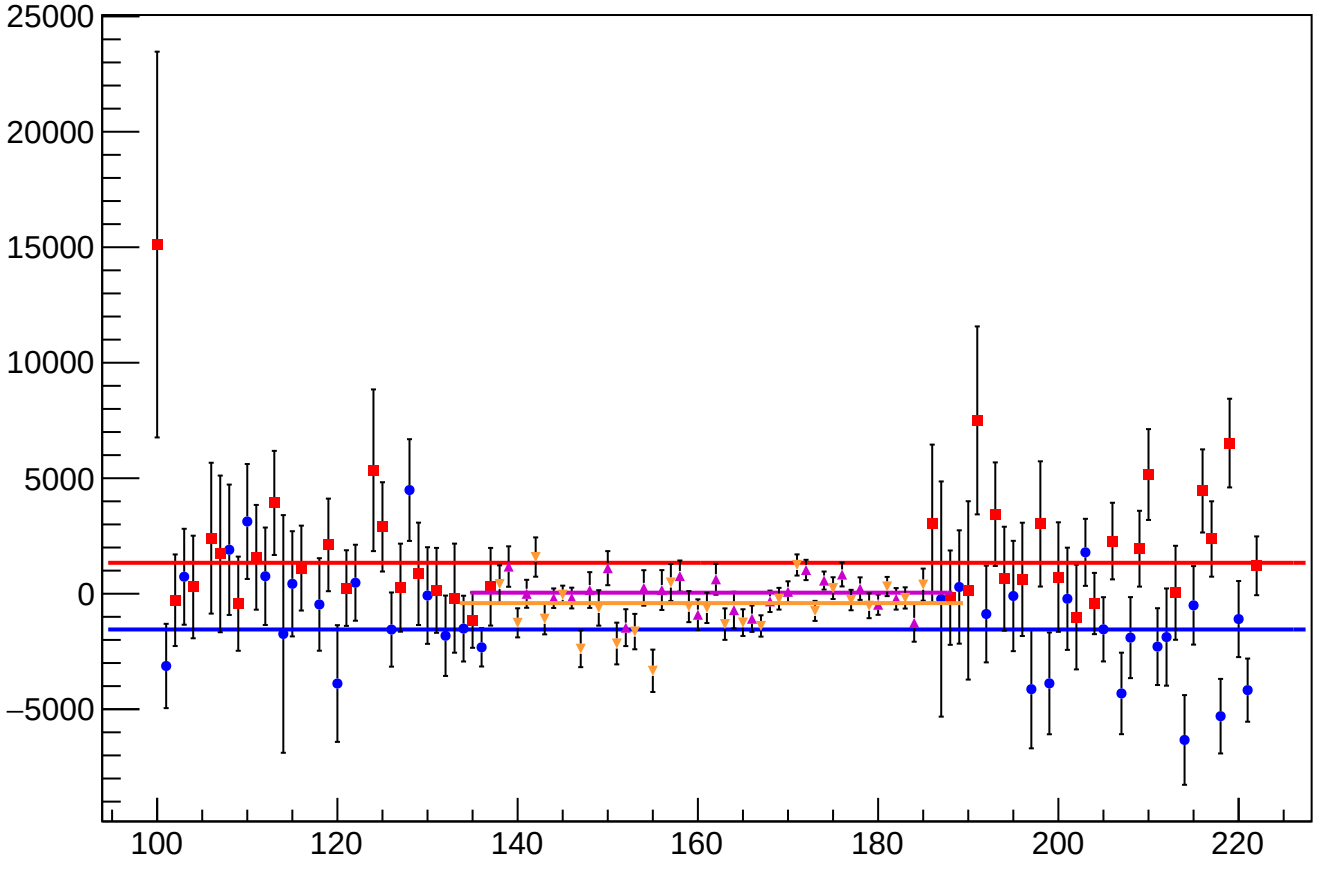
Right: 113.862+/-0.013 χ^2/NDF: 11805611.5/71

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.589+/-0.008 χ^2/NDF:14660329.9/62

All: 70.019+/-0.006 χ^2/NDF: 27533630.0/119

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: 1339.003+/-325.192 χ^2/NDF: 37.1/37

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

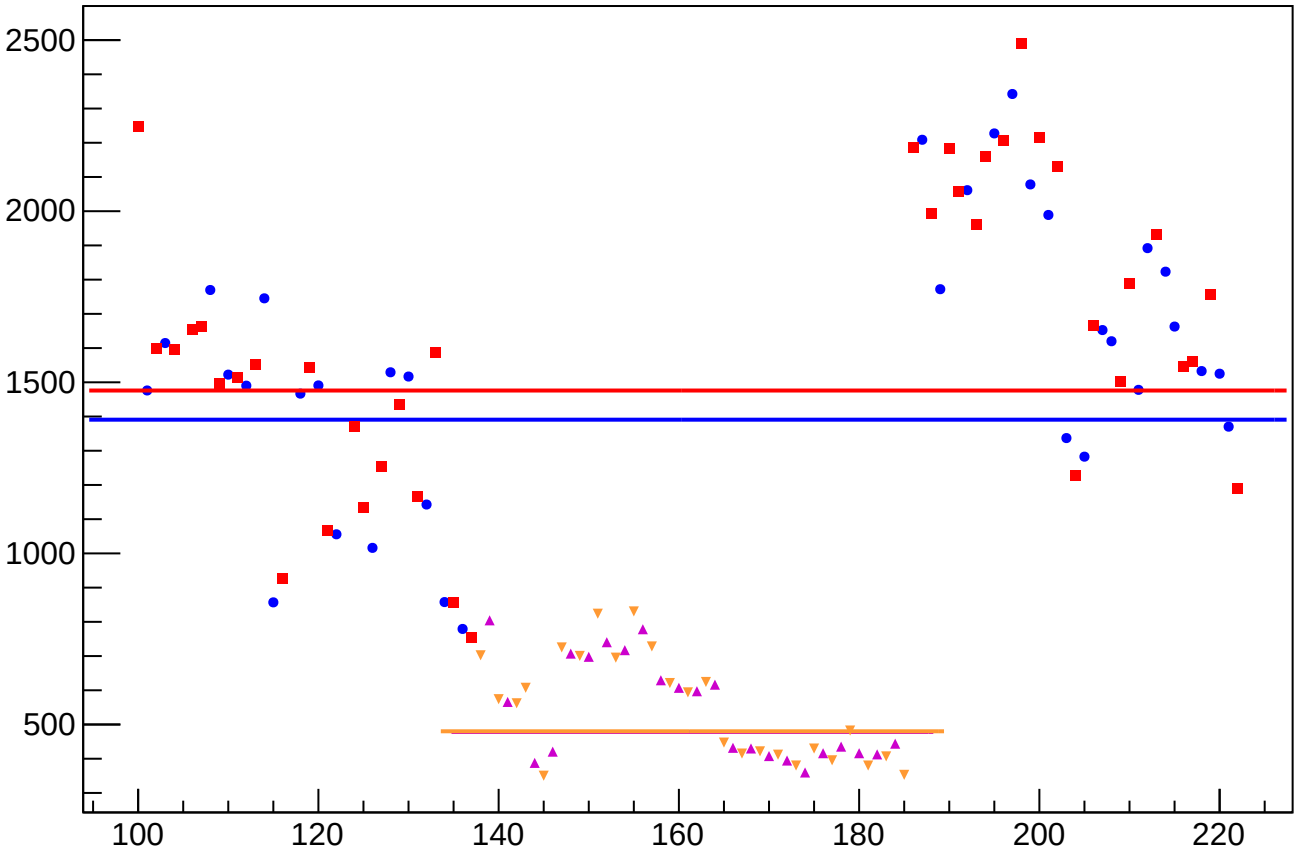
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -175.923+/-224.188 χ^2/NDF: 126.2/71

In: -150.685+/-108.428 χ^2/NDF:102.0/56

Out: -216.892+/-107.133 χ^2/NDF:126.0/62

All: -184.187+/-76.208 χ^2/NDF: 228.2/119



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: 1475.983+/-0.230 χ^2/NDF: 3225672.9/37

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

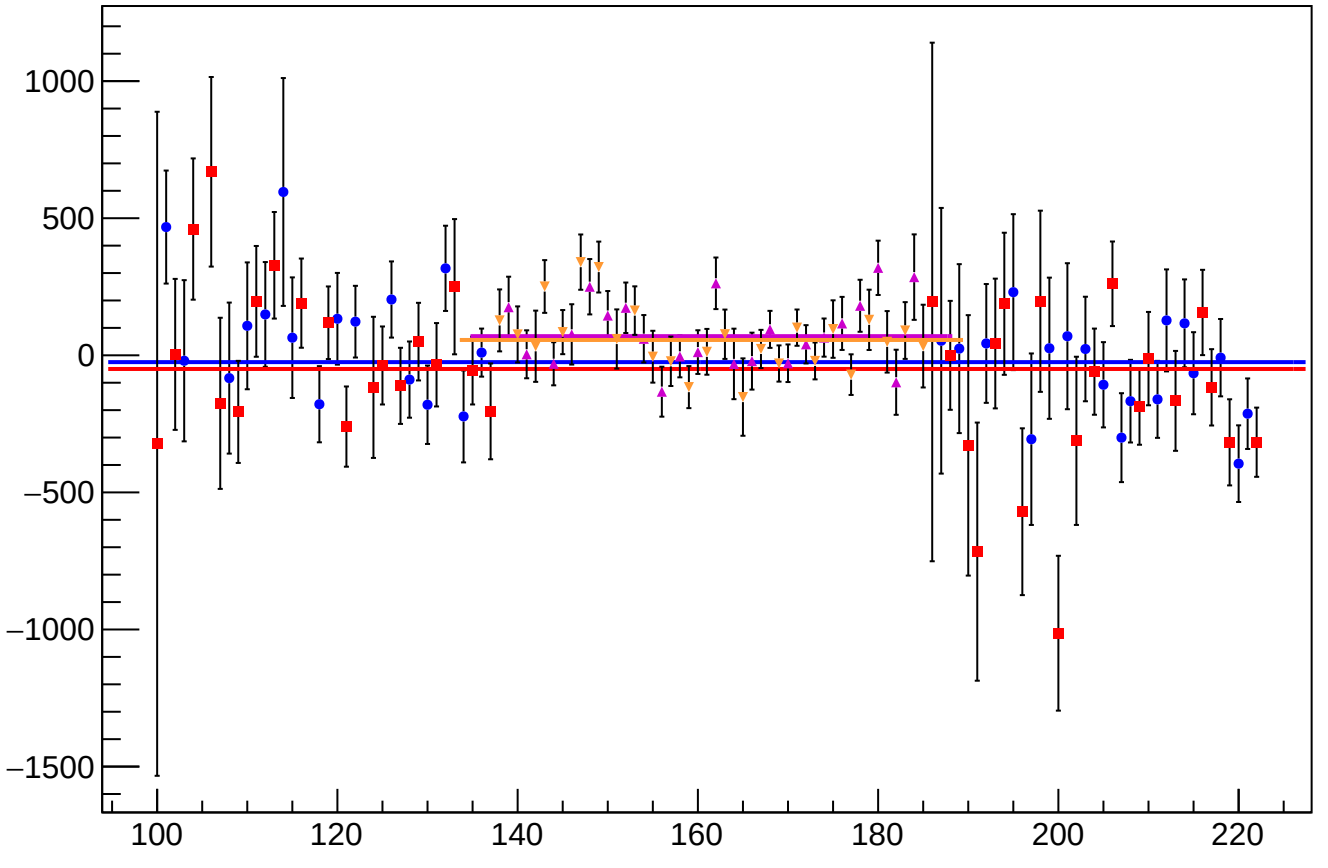
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1431.265+/-0.159 χ^2/NDF: 6666724.8/71

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 588.243+/-0.076 χ^2/NDF:22527130.6/62

All: 589.164+/-0.054 χ^2/NDF: 43370076.5/1



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: -49.814+/-30.162 χ^2/NDF: 57.6/37

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

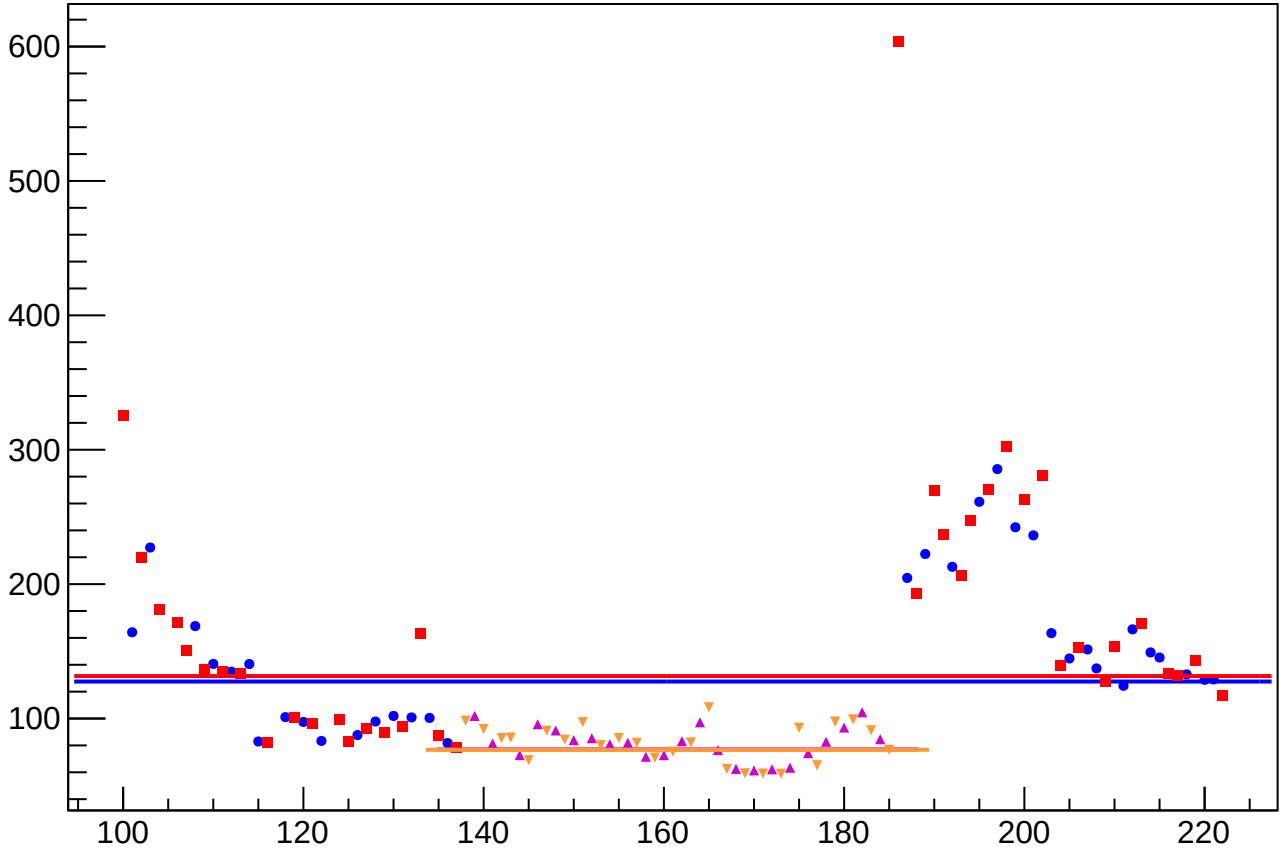
Right: -36.839+/-20.898 χ^2/NDF: 98.8/71

In: 42.435+/-15.592 χ^2/NDF:83.0/56

Out: 28.289+/-15.425 χ^2/NDF:105.0/62

All: 35.286+/-10.966 χ^2/NDF: 188.4/119

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 127.522+/-0.020 χ^2/NDF: 4314140.2/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 131.590+/-0.021 χ^2/NDF: 5598196.0/37

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

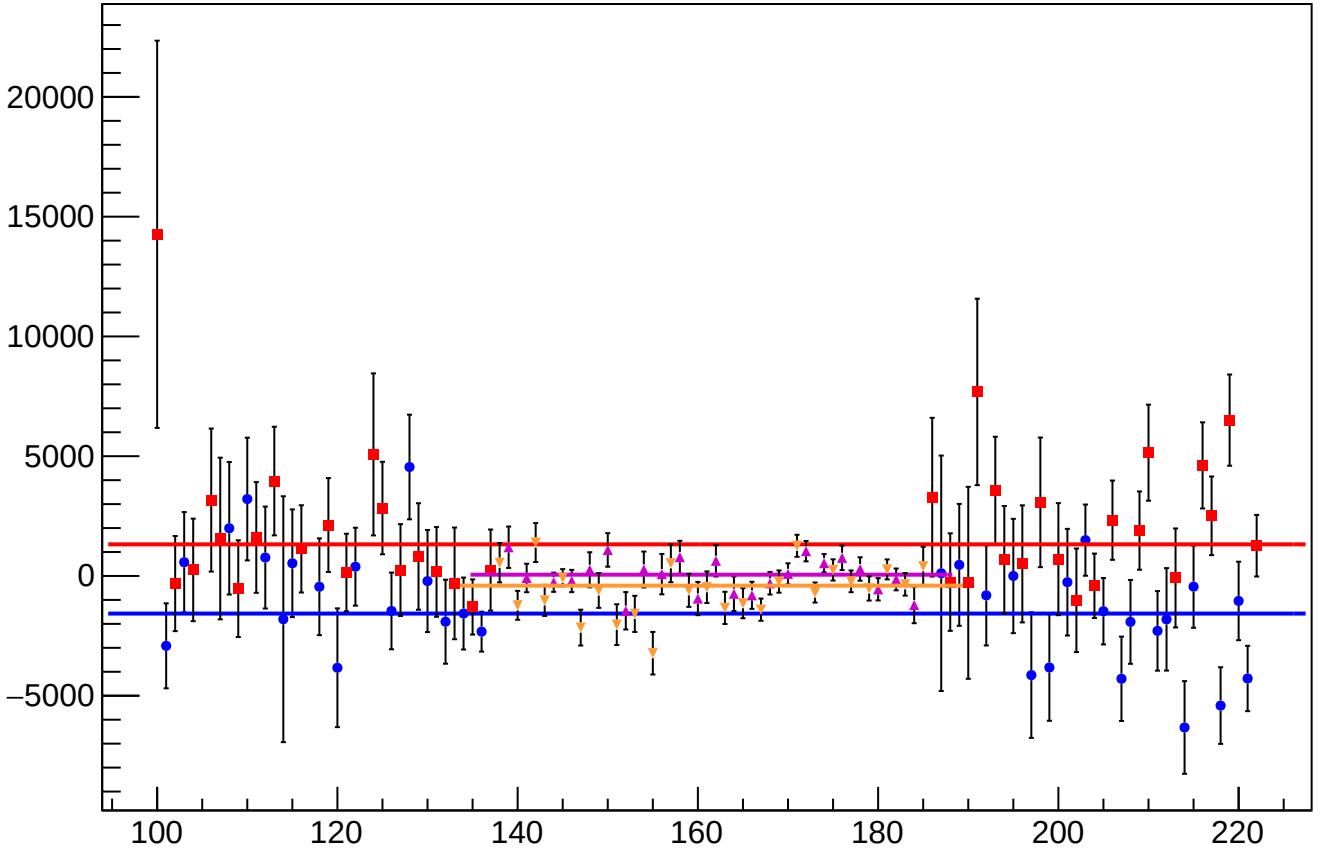
Right: 129.475+/-0.015 χ^2/NDF: 9931250.7/71

In: 91.635+/-0.011 χ^2/NDF:9488528.0/56

Out: 91.087+/-0.011 χ^2/NDF:11716526.4/62

All: 91.358+/-0.008 χ^2/NDF: 21206300.8/119

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1319.952+/-323.466 χ^2/NDF: 39.6/37

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

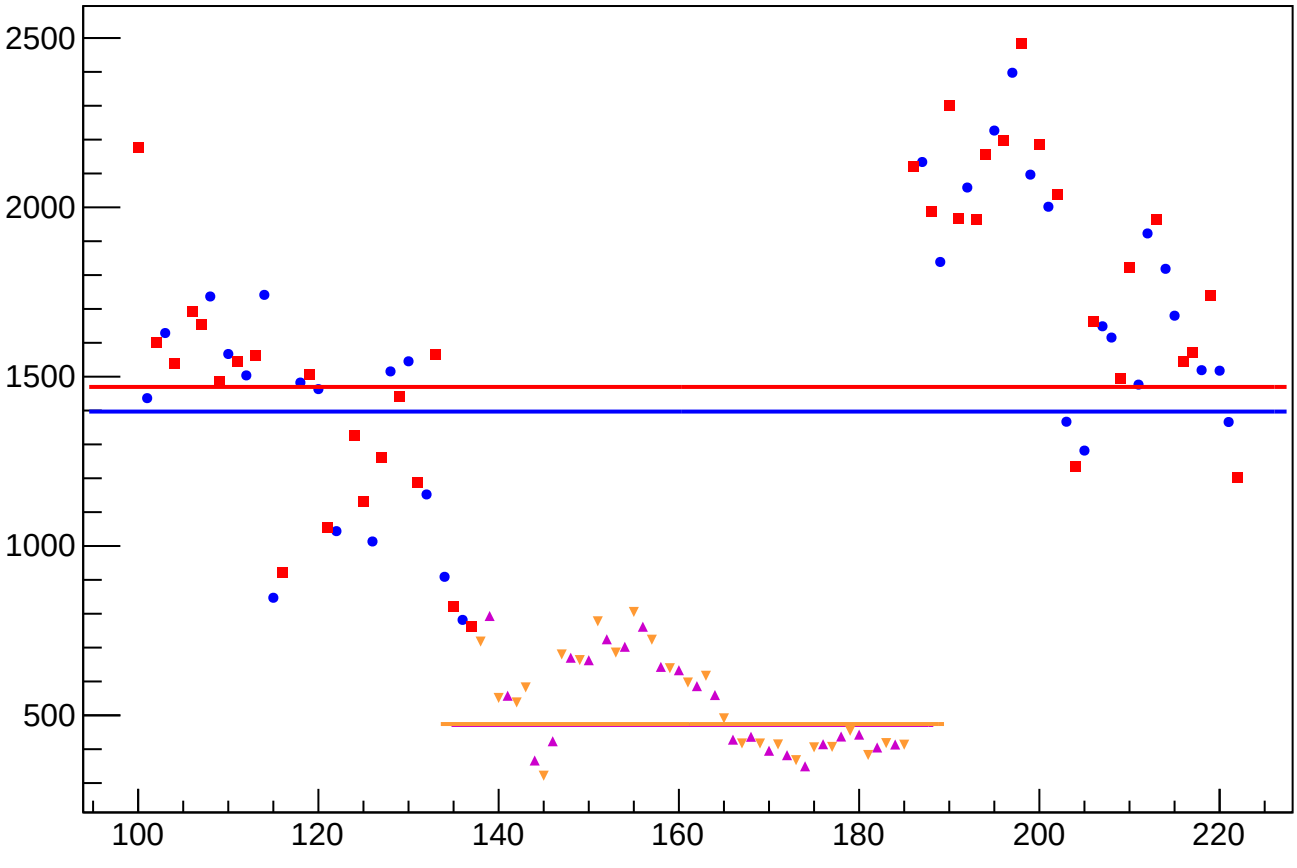
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -183.262+/-224.052 χ^2/NDF: 128.5/71

In: -139.209+/-107.206 χ^2/NDF:102.1/56

Out: -219.552+/-105.644 χ^2/NDF:125.7/62

All: -179.970+/-75.248 χ^2/NDF: 228.2/119



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: 1469.696+/-0.229 χ^2/NDF: 3278659.1/37

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

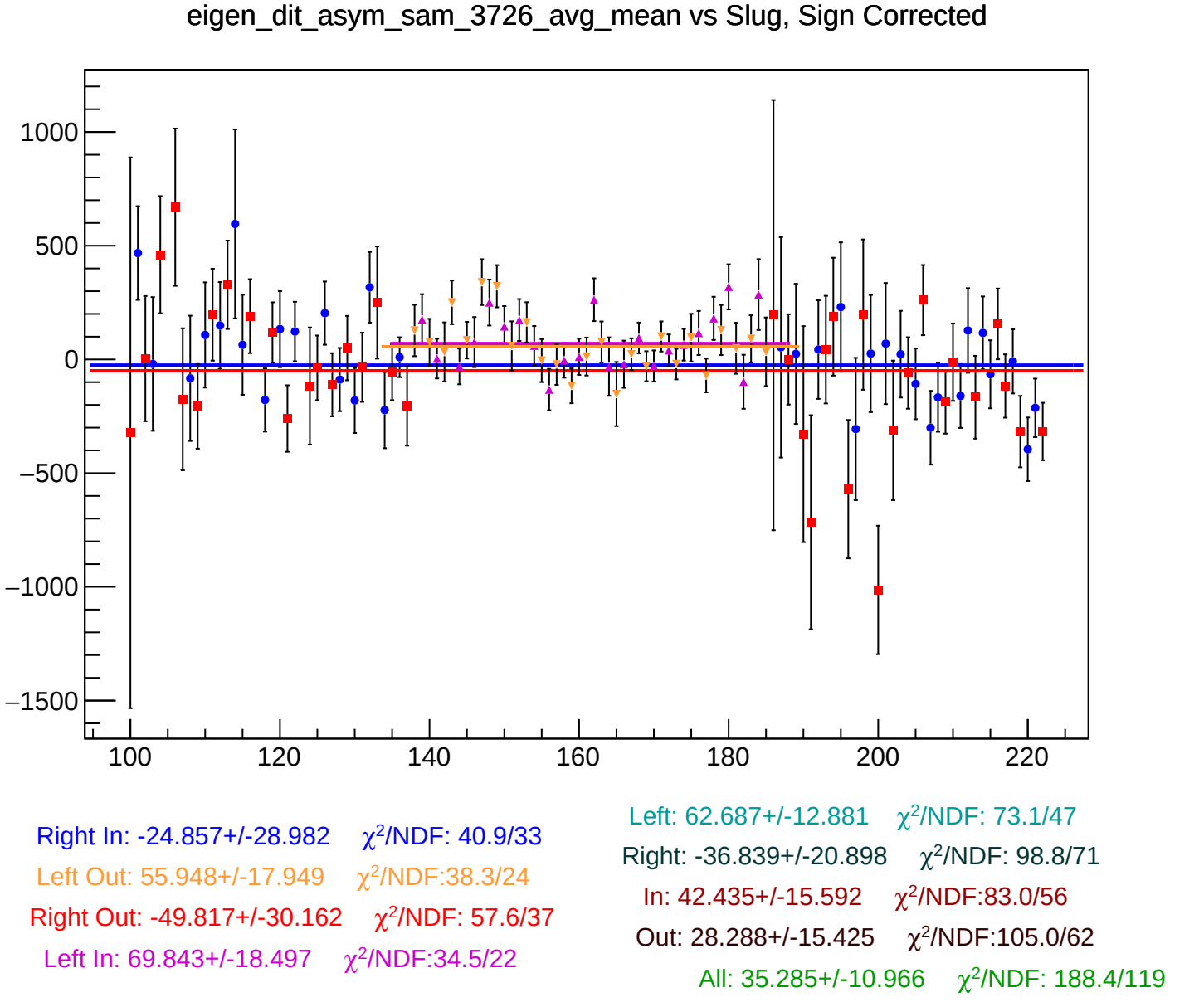
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

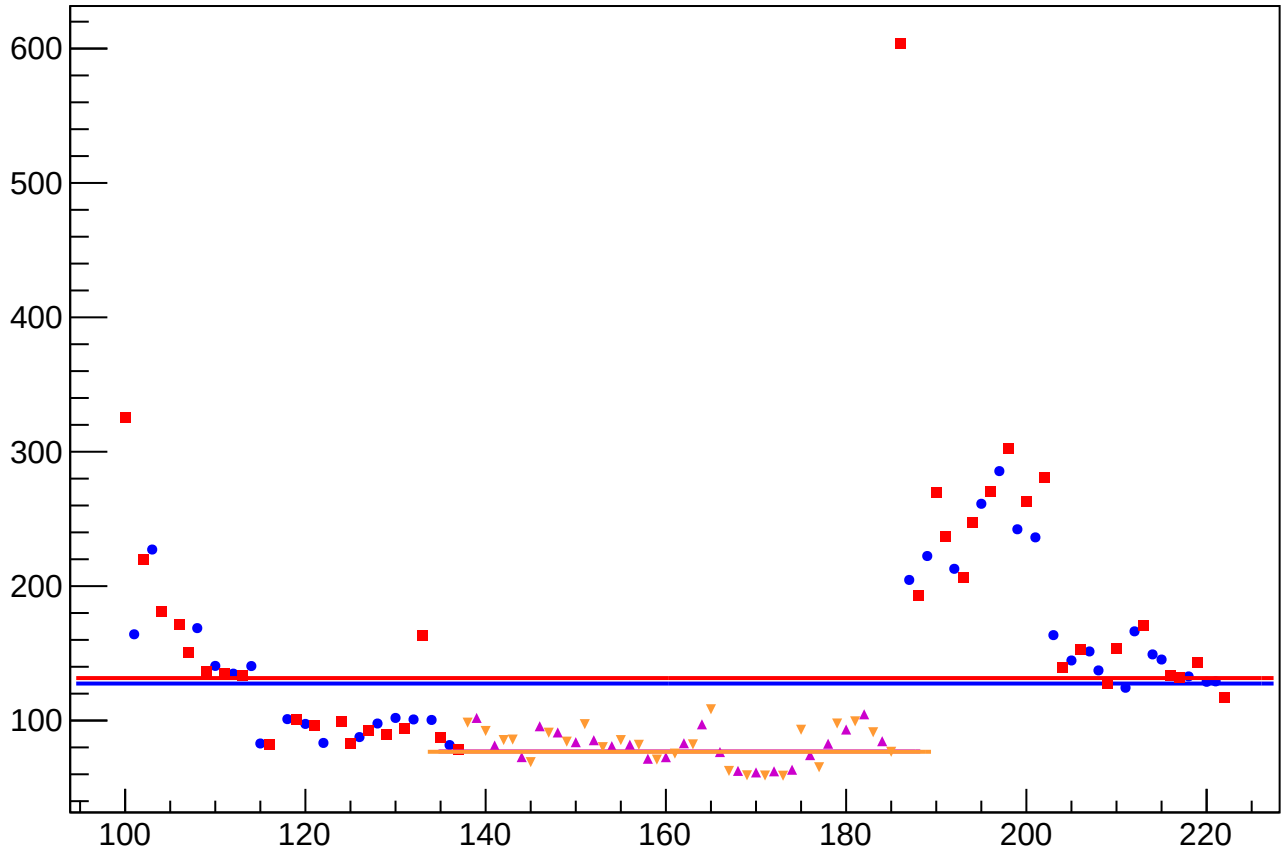
Right: 1431.859+/-0.158 χ^2/NDF: 6669732.8/71

In: 581.687+/-0.076 χ^2/NDF:21186646.6/56

Out: 580.471+/-0.075 χ^2/NDF:22736978.7/62

All: 581.070+/-0.053 χ^2/NDF: 43923755.9/11


eigen_dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -24.857+/-28.982 χ²/NDF: 40.9/33
Left Out: 55.948+/-17.949 χ²/NDF:38.3/24
Right Out: -49.817+/-30.162 χ²/NDF: 57.6/37
Left In: 69.843+/-18.497 χ²/NDF:34.5/22
Left: 62.687+/-12.881 χ²/NDF: 73.1/47
Right: -36.839+/-20.898 χ²/NDF: 98.8/71
In: 42.435+/-15.592 χ²/NDF:83.0/56
Out: 28.288+/-15.425 χ²/NDF:105.0/62
All: 35.285+/-10.966 χ²/NDF: 188.4/119



Right In: 127.522+/-0.020 χ^2/NDF: 4314153.6/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 131.590+/-0.021 χ^2/NDF: 5598207.0/37

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

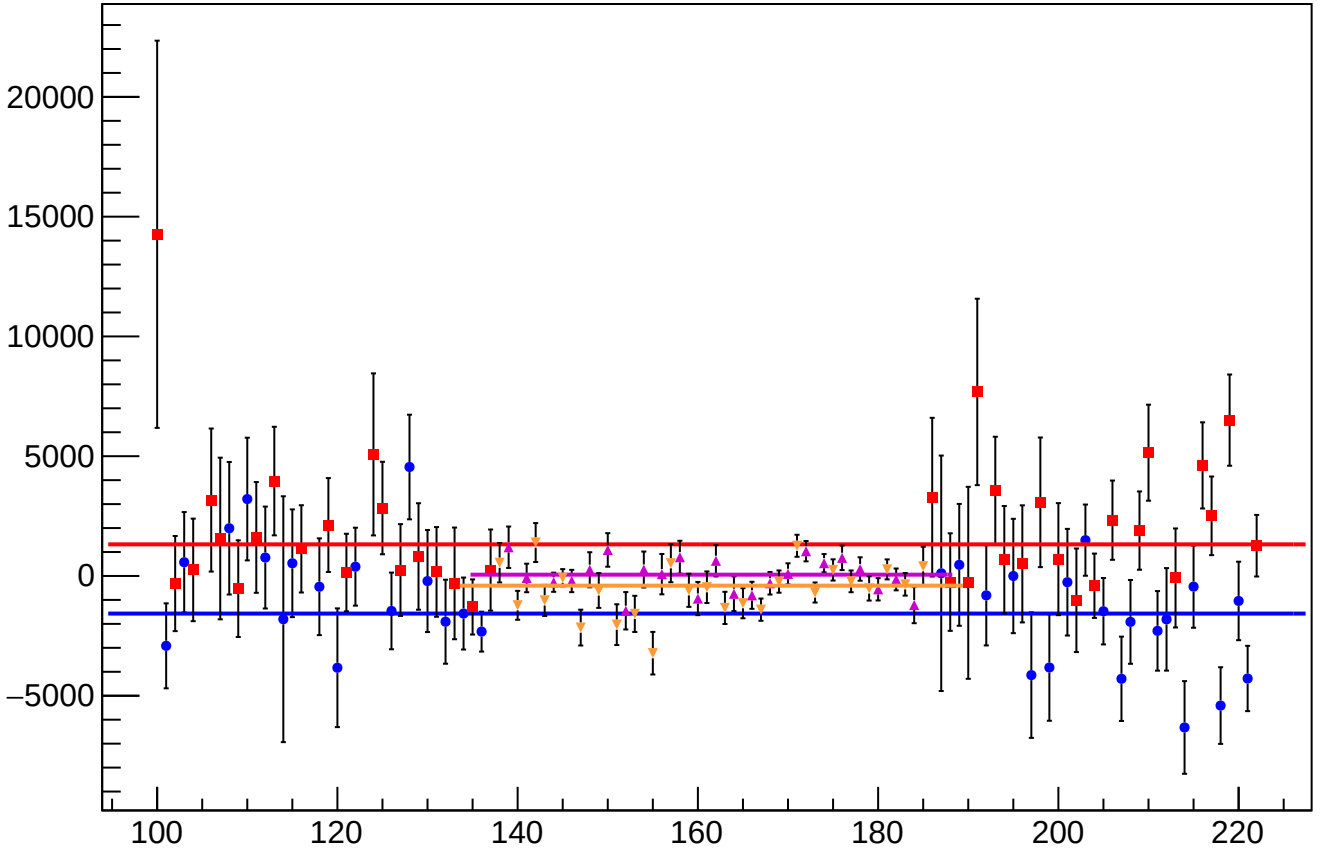
Right: 129.475+/-0.015 χ^2/NDF: 9931275.9/71

In: 91.635+/-0.011 χ^2/NDF:9488452.8/56

Out: 91.088+/-0.011 χ^2/NDF:11716468.7/62

All: 91.359+/-0.008 χ^2/NDF: 21206168.0/119

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: 1319.951+/-323.466 χ^2/NDF: 39.6/37

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

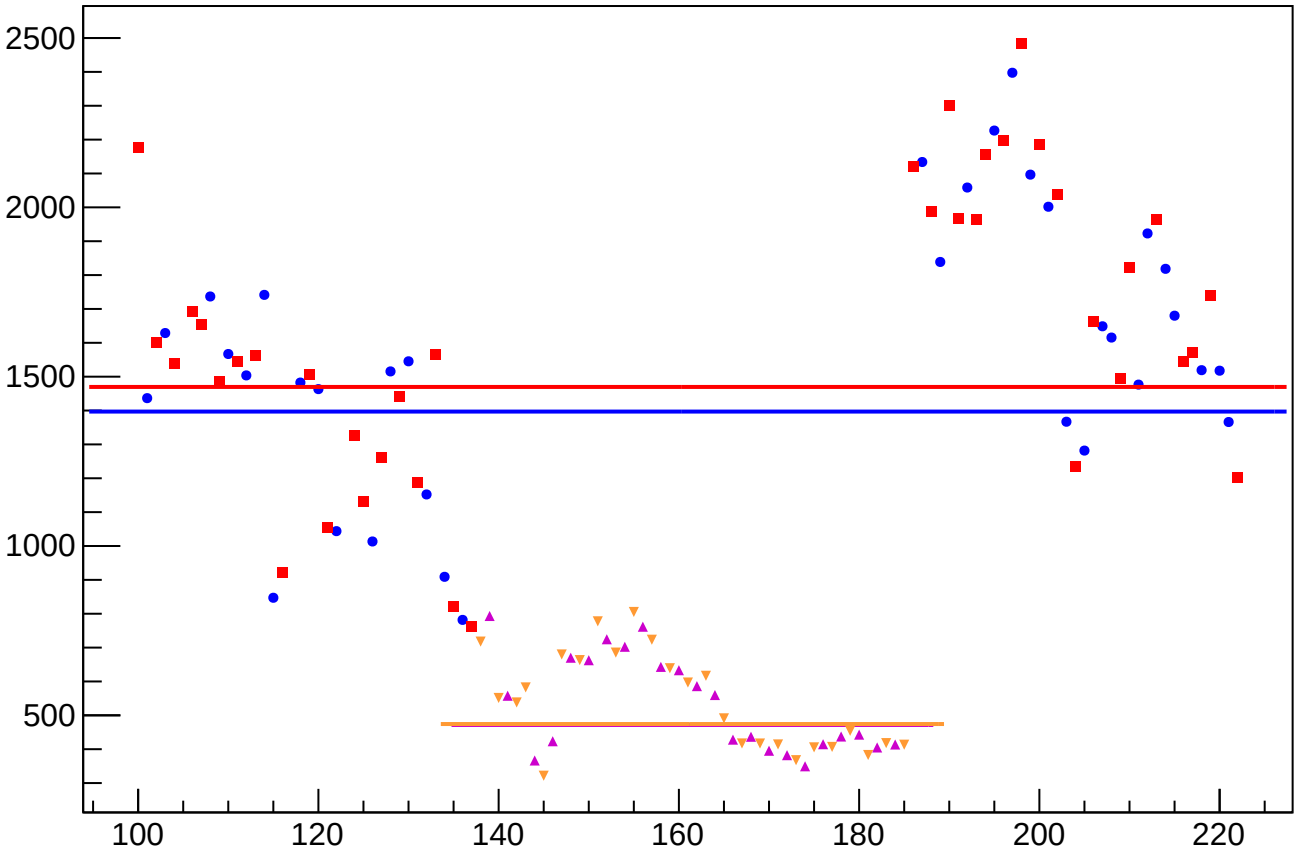
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -183.261+/-224.052 χ^2/NDF: 128.5/71

In: -139.209+/-107.205 χ^2/NDF:102.1/56

Out: -219.552+/-105.644 χ^2/NDF:125.7/62

All: -179.970+/-75.248 χ^2/NDF: 228.2/119



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: 1469.694+/-0.229 χ^2/NDF: 3278654.6/37

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

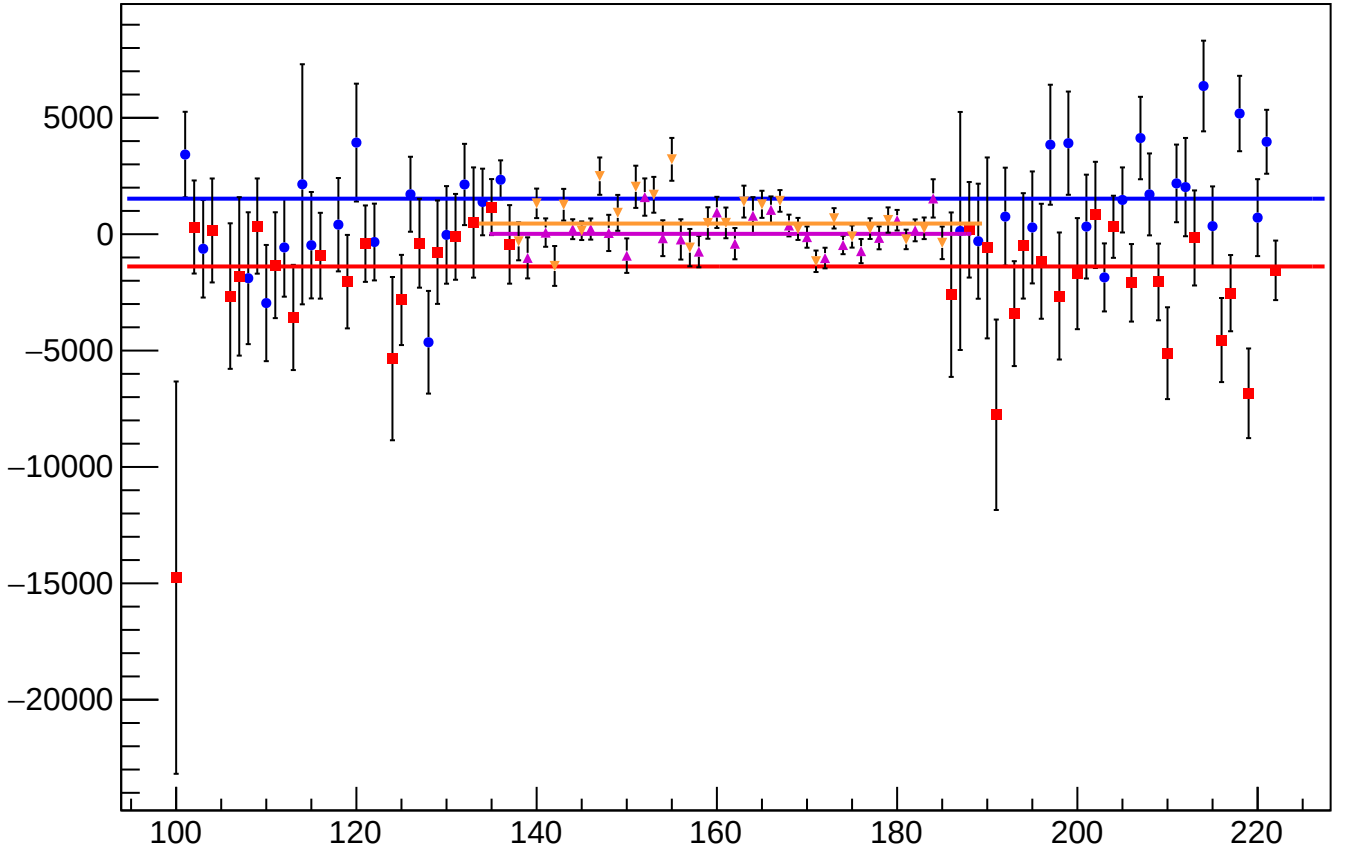
Right: 1431.858+/-0.158 χ^2/NDF: 6669720.3/71

In: 581.687+/-0.076 χ^2/NDF:21186632.3/56

Out: 580.470+/-0.075 χ^2/NDF:22736978.7/62

All: 581.070+/-0.053 χ^2/NDF: 43923741.6/11

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: -1386.187+/-326.453 χ^2/NDF: 37.0/37

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

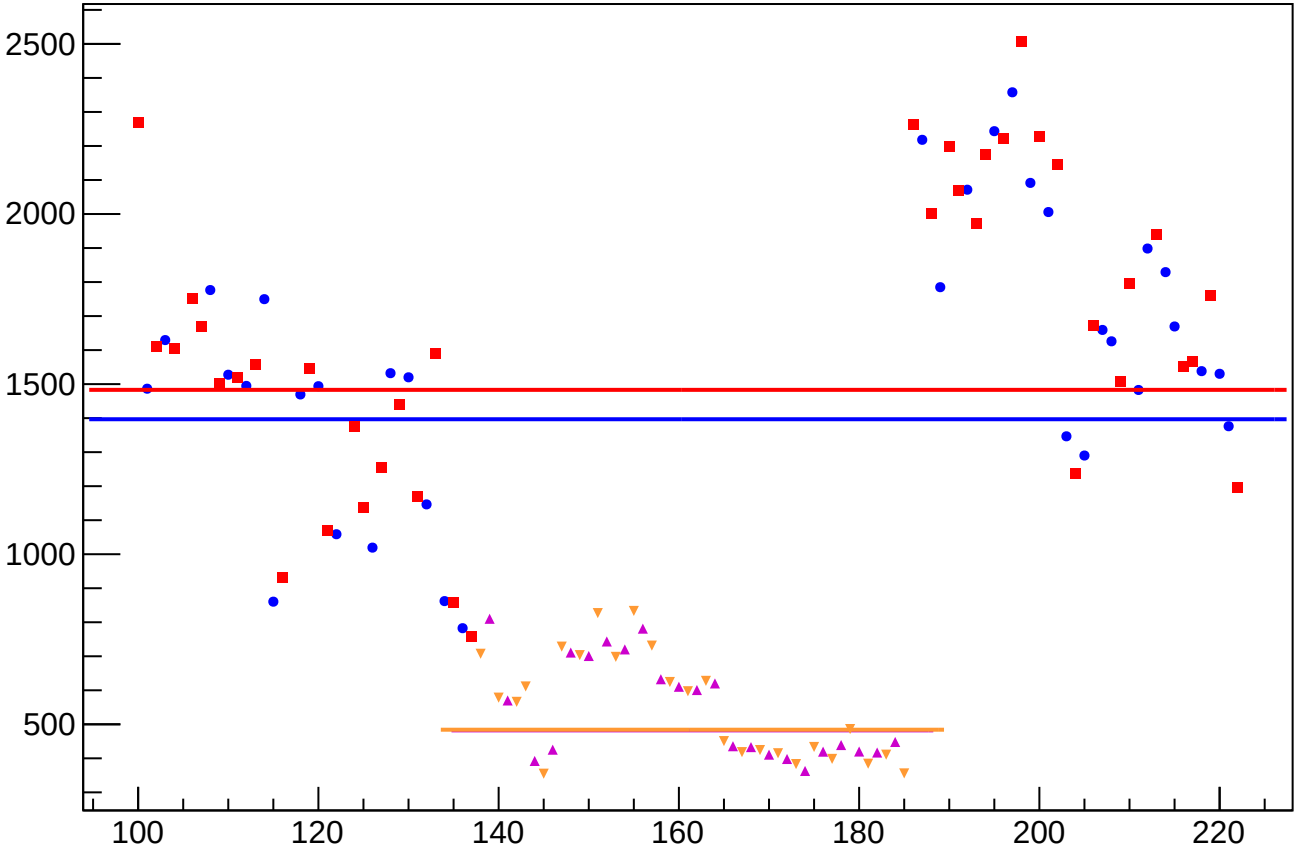
Right: 141.367+/-225.118 χ^2/NDF: 125.4/71

In: 201.785+/-109.255 χ^2/NDF:97.7/56

Out: 255.814+/-107.922 χ^2/NDF:124.8/62

All: 229.131+/-76.779 χ^2/NDF: 222.6/119

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1396.746+/-0.220 χ^2/NDF: 3377537.8/33

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1483.124+/-0.231 χ^2/NDF: 3262323.3/37

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

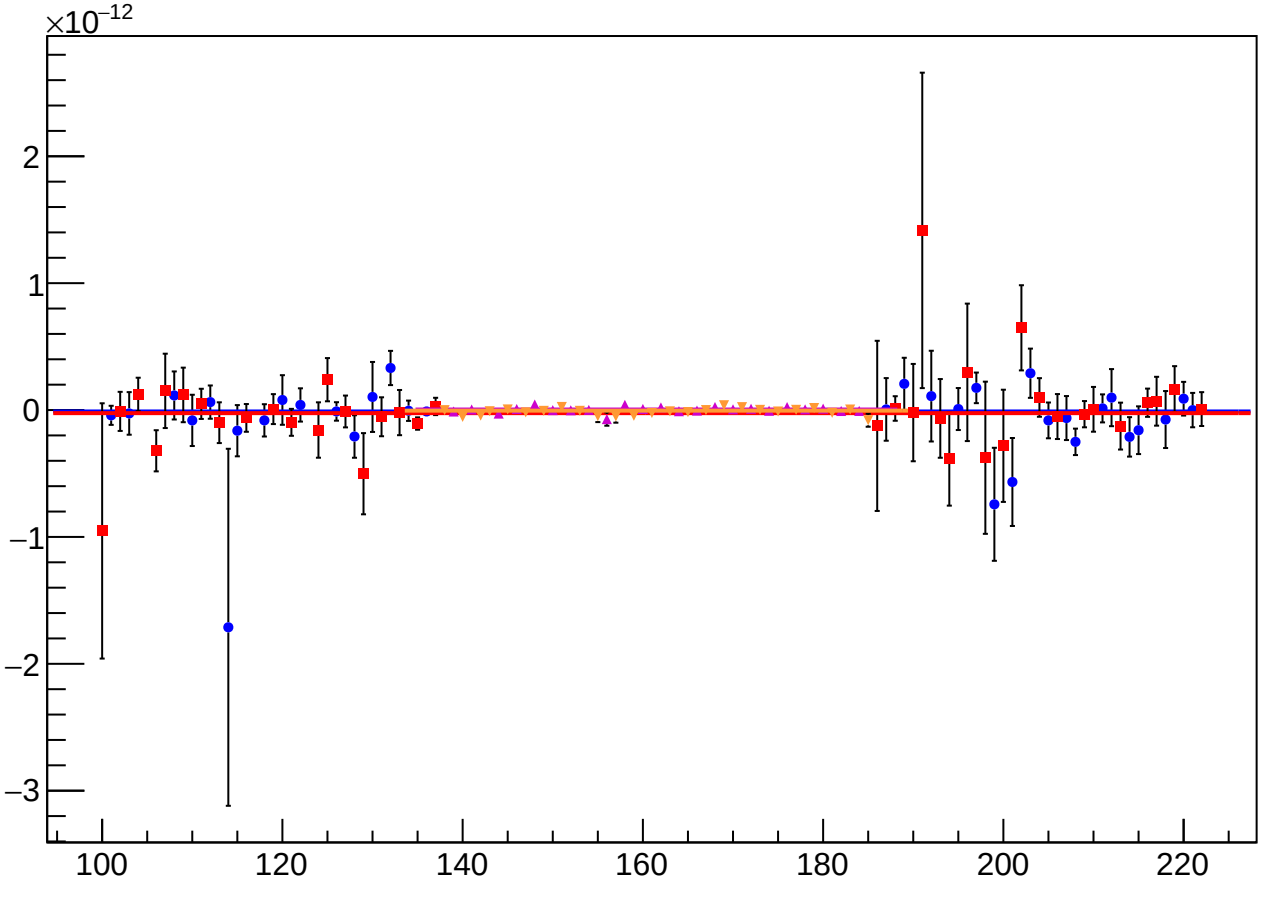
Right: 1437.821+/-0.159 χ^2/NDF: 6713298.7/71

In: 595.141+/-0.077 χ^2/NDF:20738740.0/56

Out: 593.308+/-0.076 χ^2/NDF:22493023.8/62

All: 594.213+/-0.054 χ^2/NDF: 43232048.9/1

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/37

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

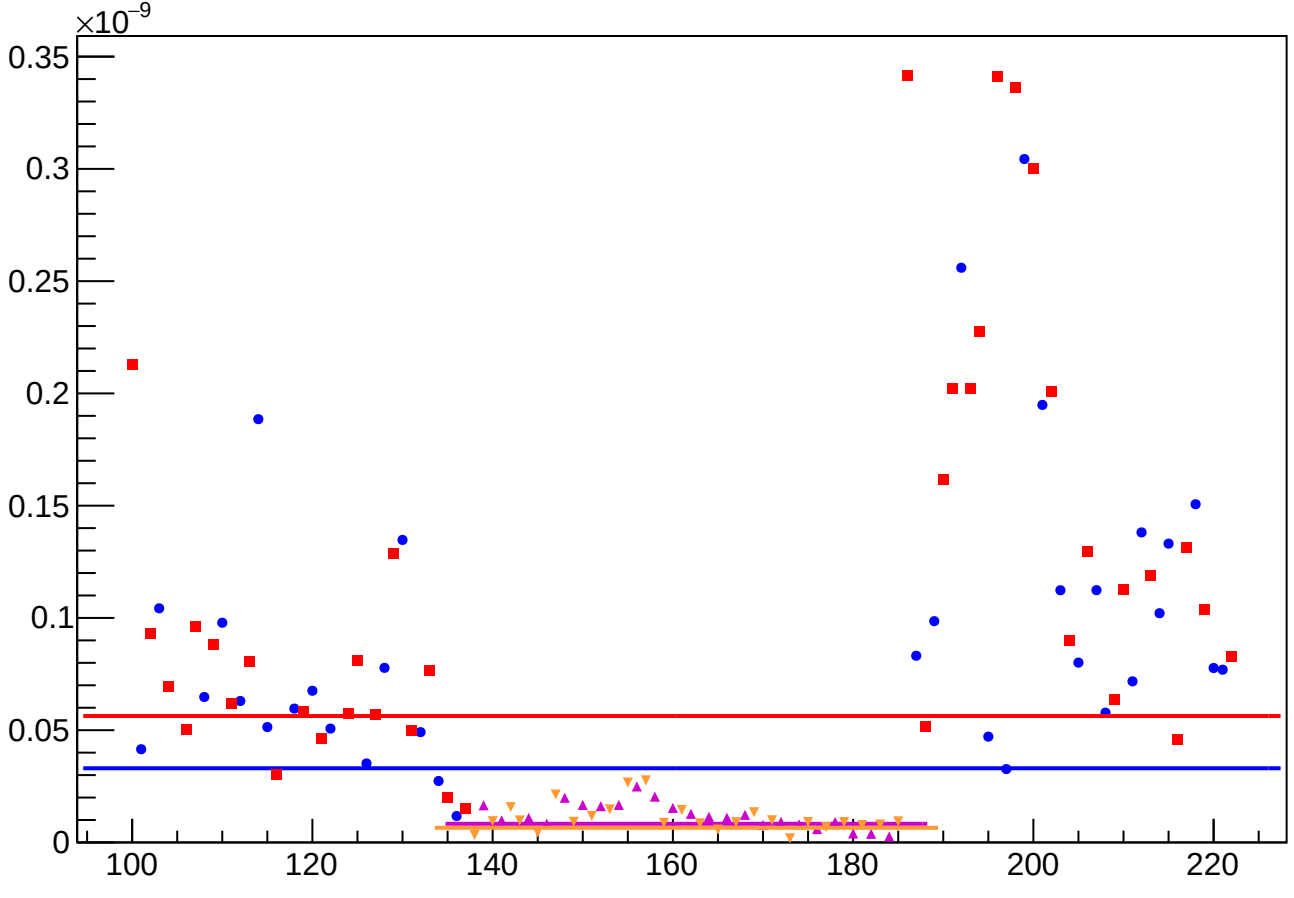
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/71

In: 0.000+/-0.000 χ^2/NDF:47.8/56

Out: -0.000+/-0.000 χ^2/NDF:58.3/62

All: -0.000+/-0.000 χ^2/NDF: 109.1/119



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: 7261264.0/37

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

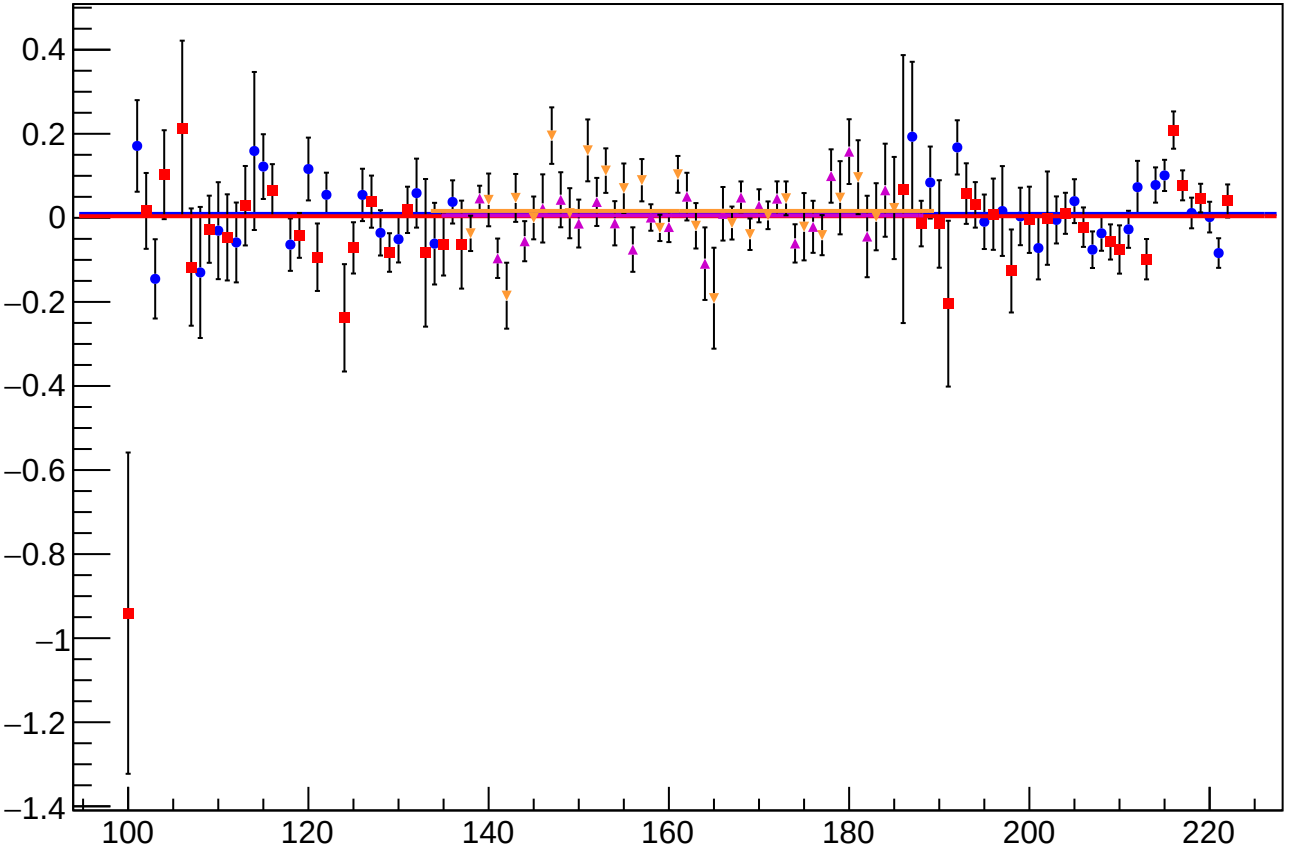
Right: 0.000+/-0.000 χ^2/NDF: 18234356.5/71

In: 0.000+/-0.000 χ^2/NDF:16982407.3/56

Out: 0.000+/-0.000 χ^2/NDF:20447626.5/62

All: 0.000+/-0.000 χ^2/NDF: 37828204.6/119

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: 0.004+/-0.010 χ^2/NDF: 63.7/37

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

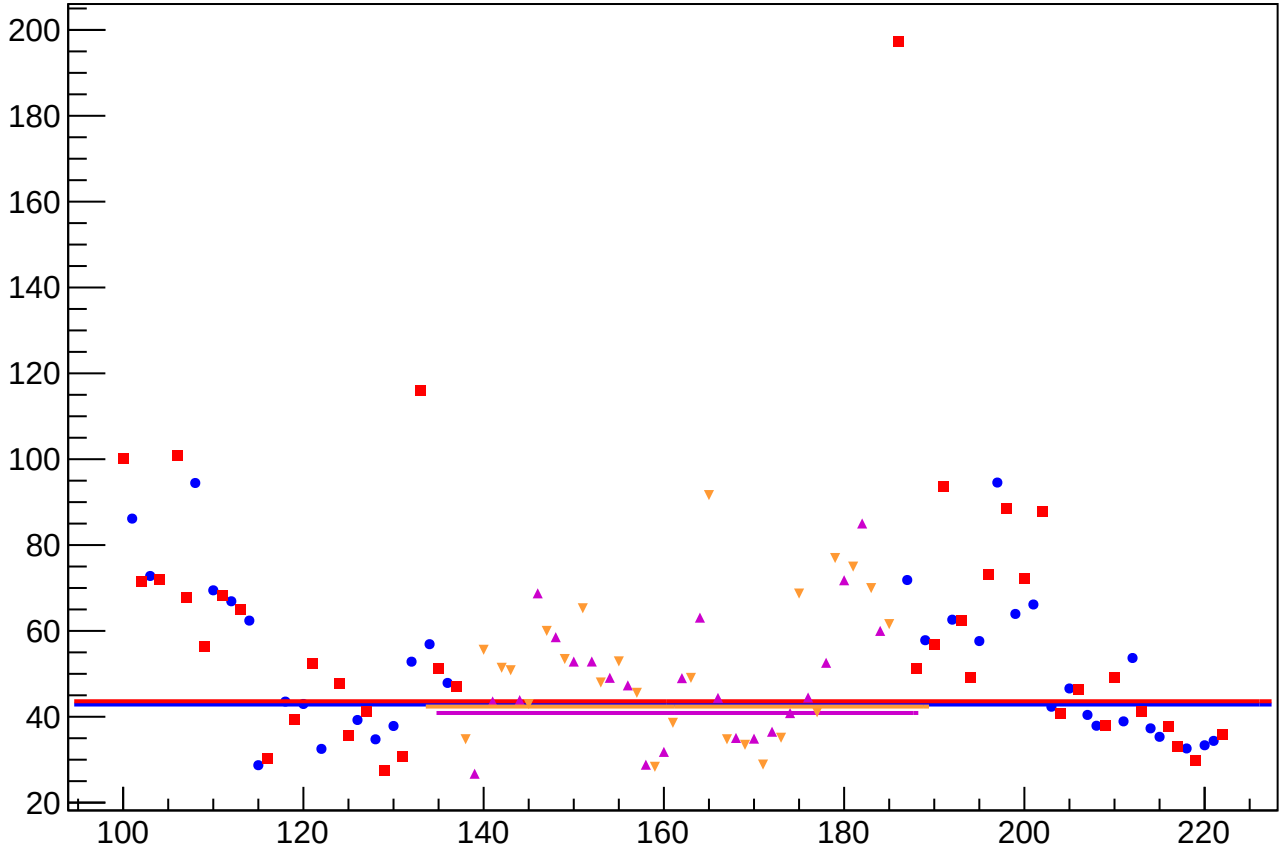
Right: 0.007+/-0.007 χ^2/NDF: 112.9/71

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.010+/-0.007 χ^2/NDF:105.6/62

All: 0.009+/-0.005 χ^2/NDF: 180.6/119

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 43.613+/-0.007 χ^2/NDF: 4488266.0/37

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

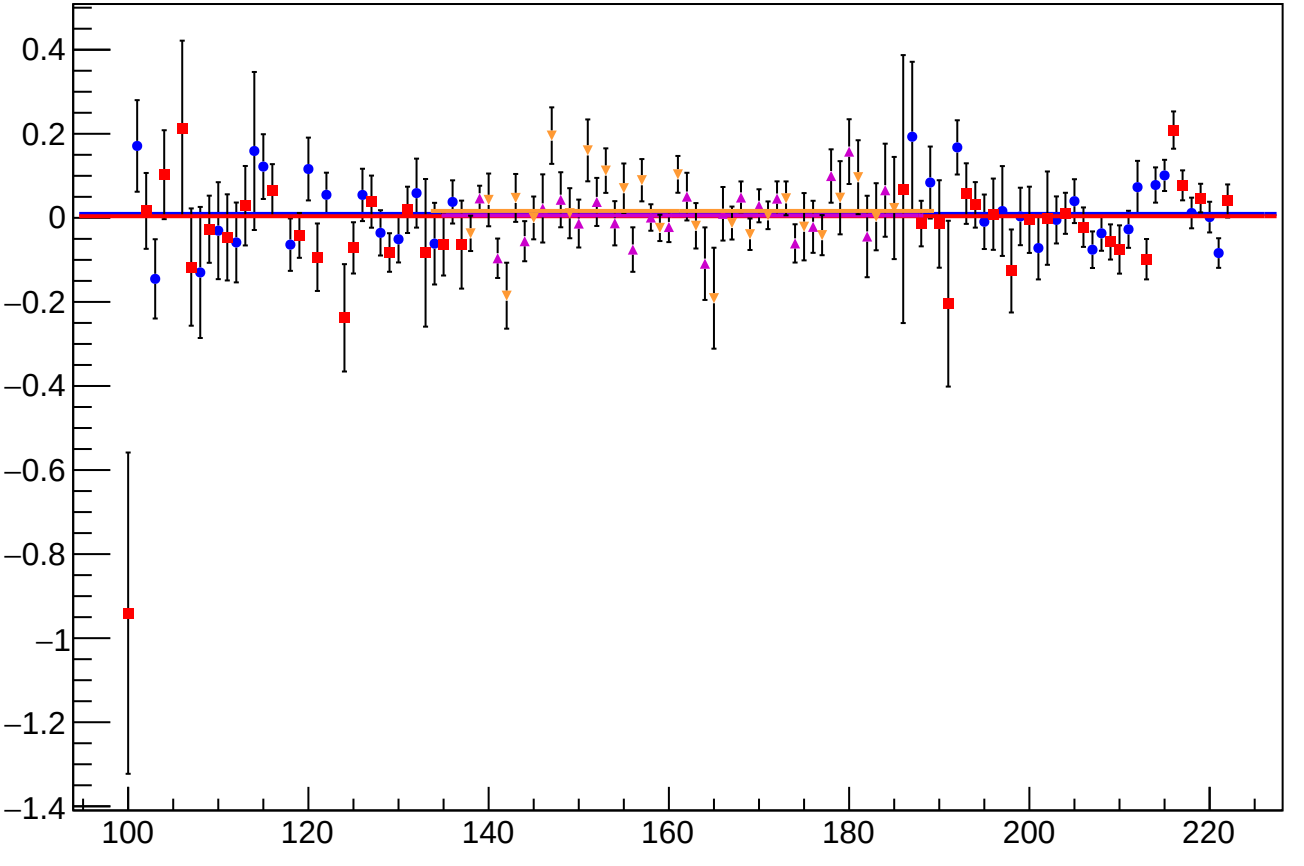
Right: 43.218+/-0.005 χ^2/NDF: 7696533.8/71

In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 43.002+/-0.005 χ^2/NDF:7693757.6/62

All: 42.442+/-0.004 χ^2/NDF: 13635946.6/119

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: 0.004+/-0.010 χ^2/NDF: 63.7/37

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

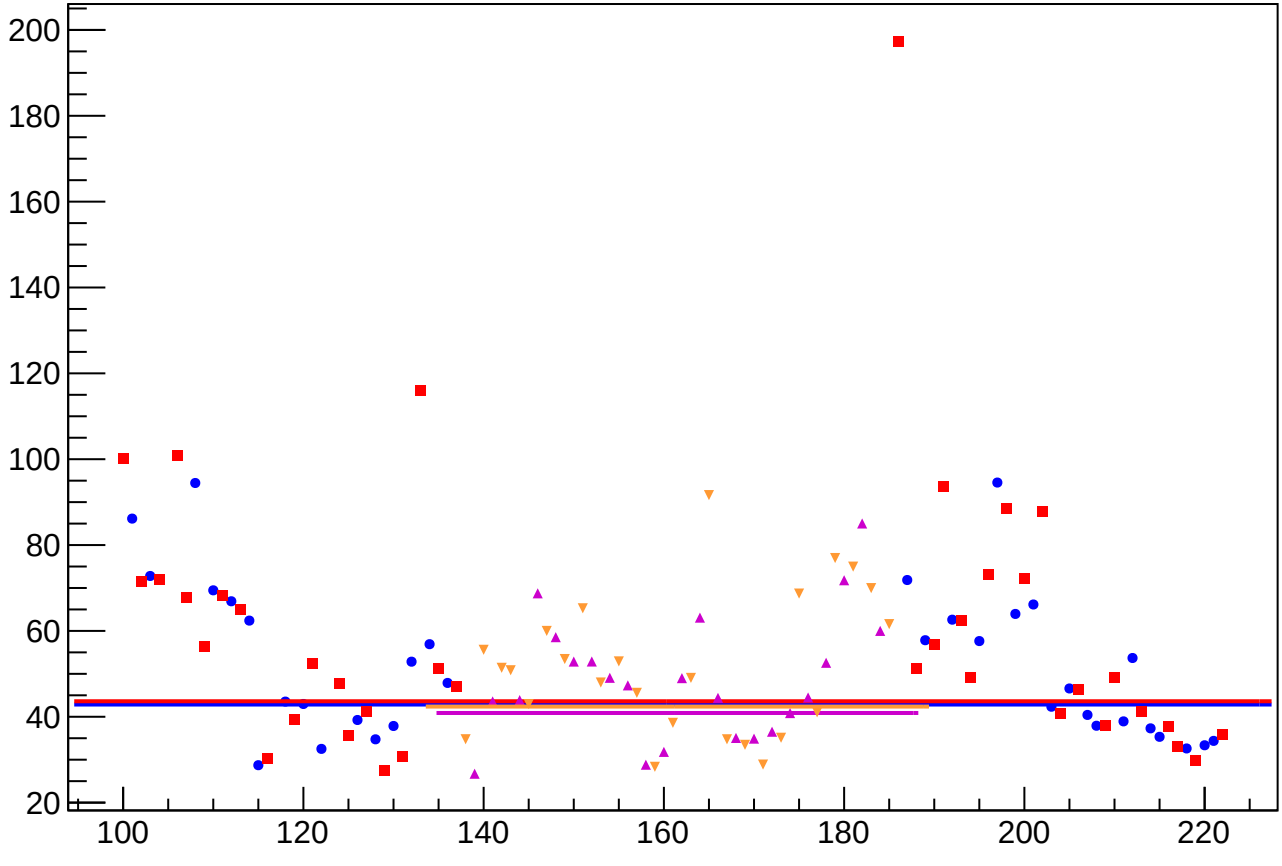
Right: 0.007+/-0.007 χ^2/NDF: 112.9/71

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.010+/-0.007 χ^2/NDF:105.6/62

All: 0.009+/-0.005 χ^2/NDF: 180.6/119

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 43.613+/-0.007 χ^2/NDF: 4488266.0/37

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

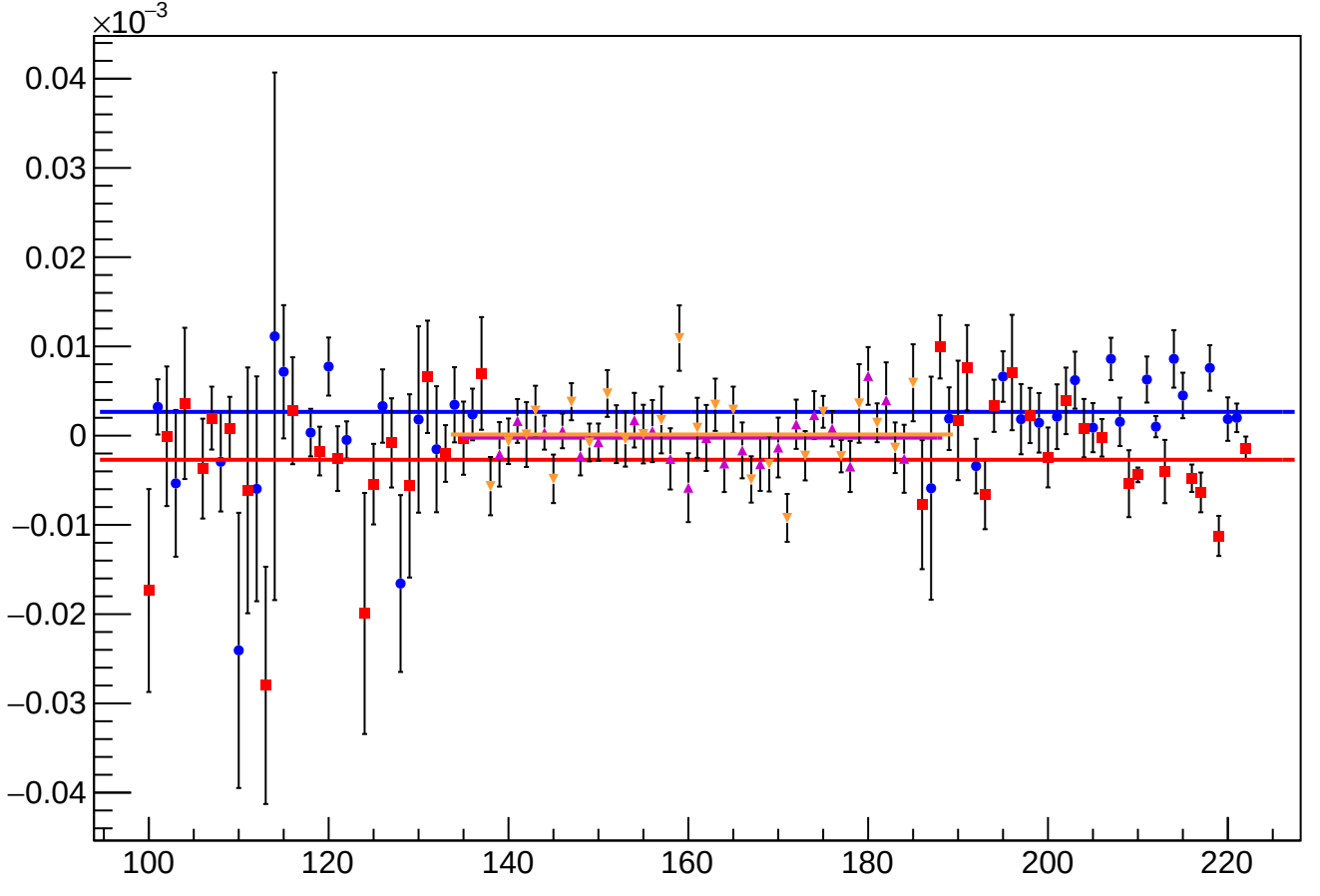
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 43.218+/-0.005 χ^2/NDF: 7696533.8/71

In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 43.002+/-0.005 χ^2/NDF:7693757.6/62

All: 42.442+/-0.004 χ^2/NDF: 13635946.6/119



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 75.9/37

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

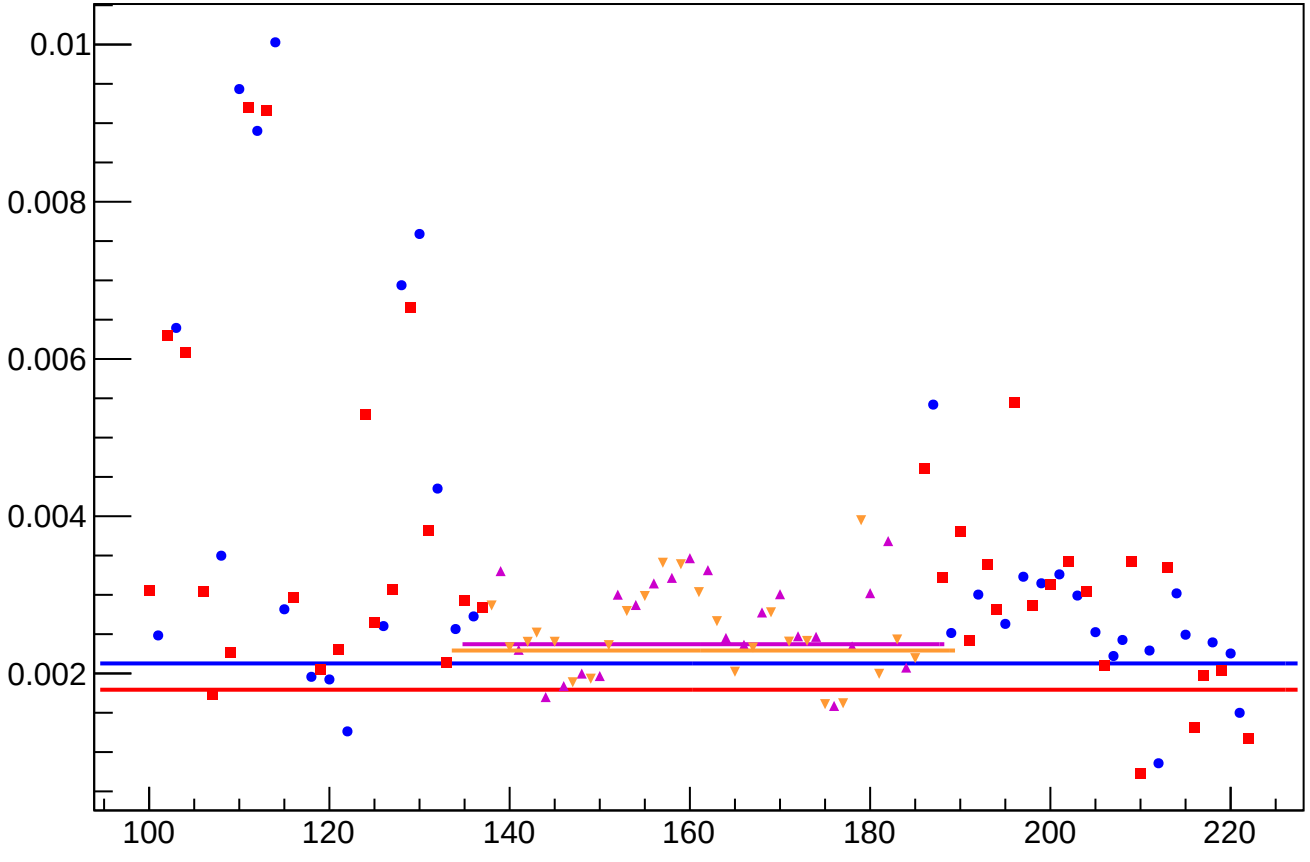
Right: -0.000+/-0.000 χ^2/NDF: 179.4/71

In: 0.000+/-0.000 χ^2/NDF:72.0/56

Out: -0.000+/-0.000 χ^2/NDF:142.0/62

All: -0.000+/-0.000 χ^2/NDF: 245.7/119

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: 12070510.2/37

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

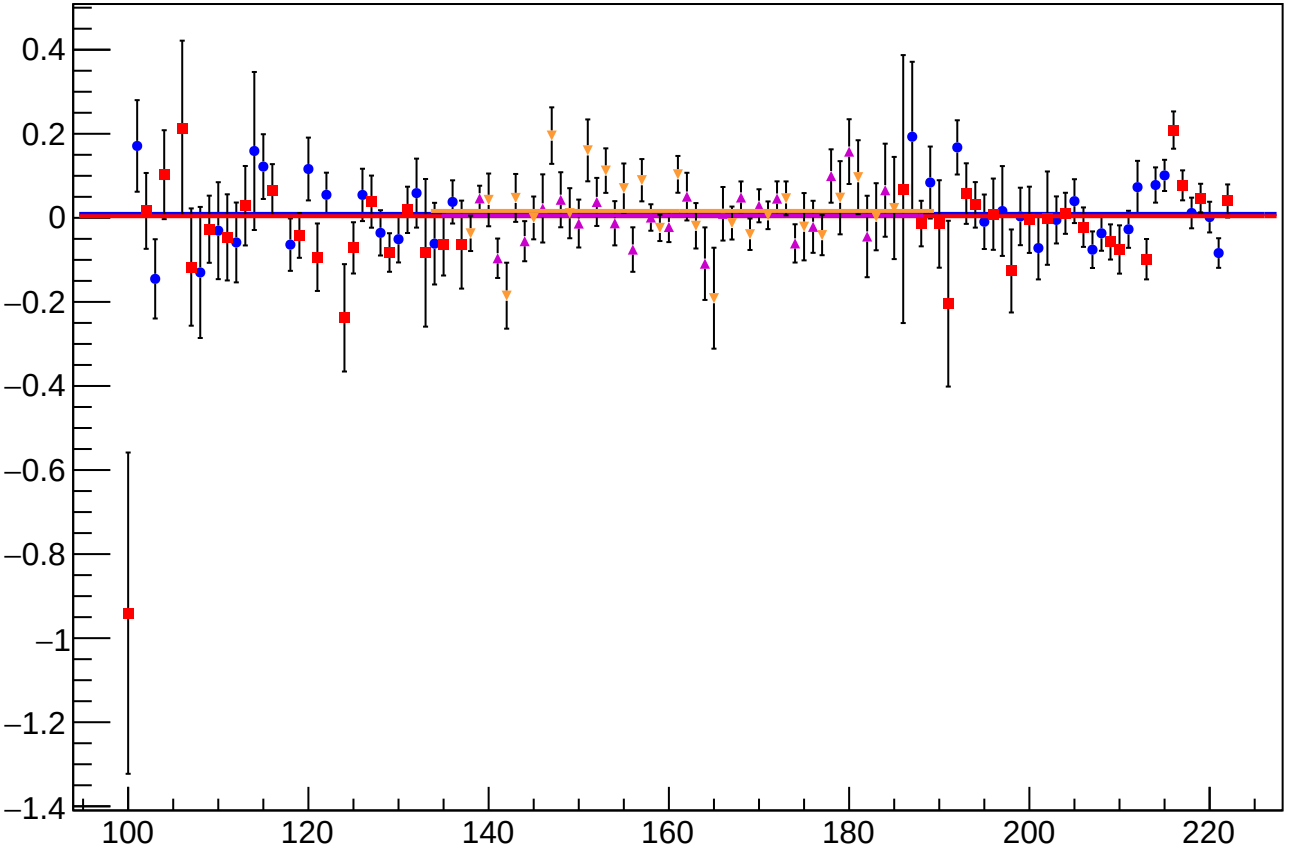
Right: 0.002+/-0.000 χ^2/NDF: 20105639.3/71

In: 0.002+/-0.000 χ^2/NDF:9779453.4/56

Out: 0.002+/-0.000 χ^2/NDF:14891863.9/62

All: 0.002+/-0.000 χ^2/NDF: 25076695.7/119

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: 0.004+/-0.010 χ^2/NDF: 63.7/37

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

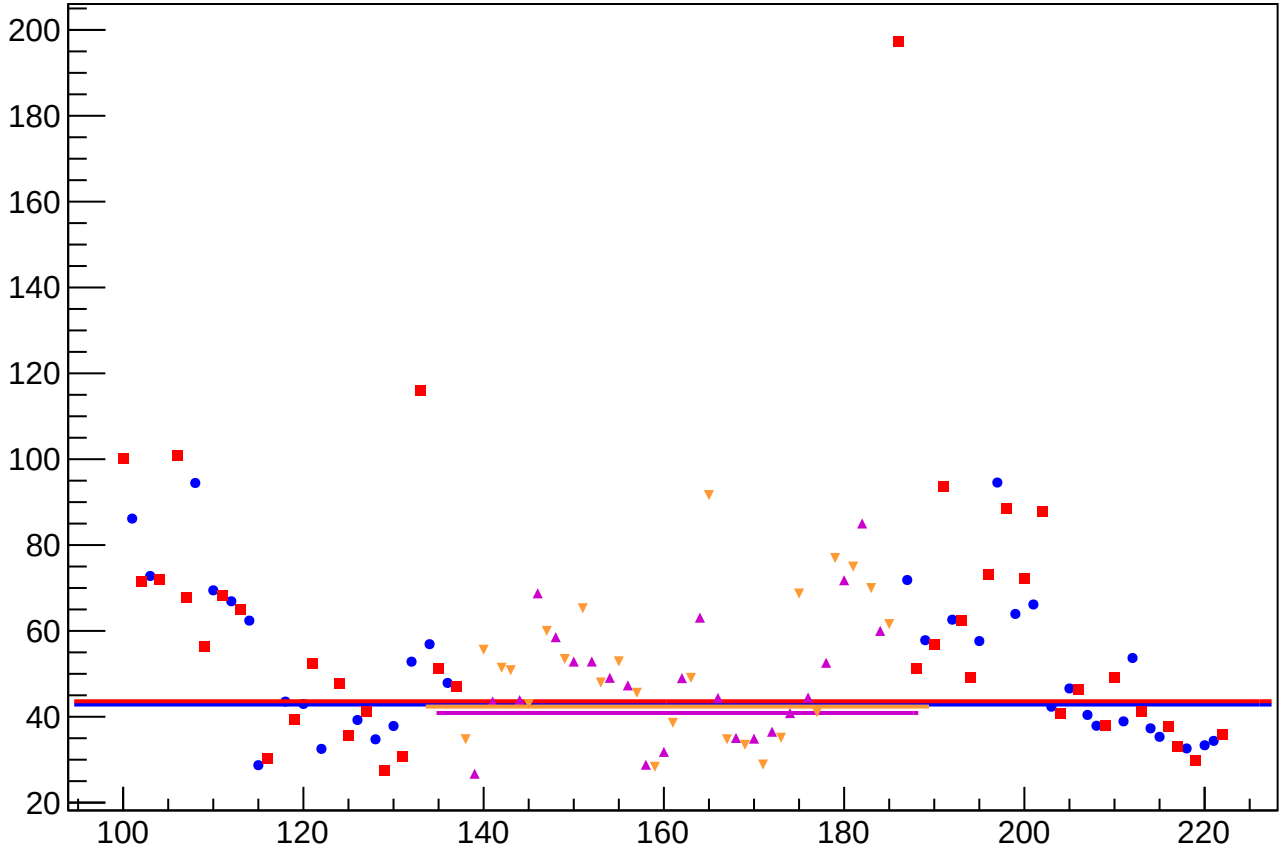
Right: 0.007+/-0.007 χ^2/NDF: 112.9/71

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.010+/-0.007 χ^2/NDF:105.6/62

All: 0.009+/-0.005 χ^2/NDF: 180.6/119

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 43.613+/-0.007 χ^2/NDF: 4488220.9/37

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

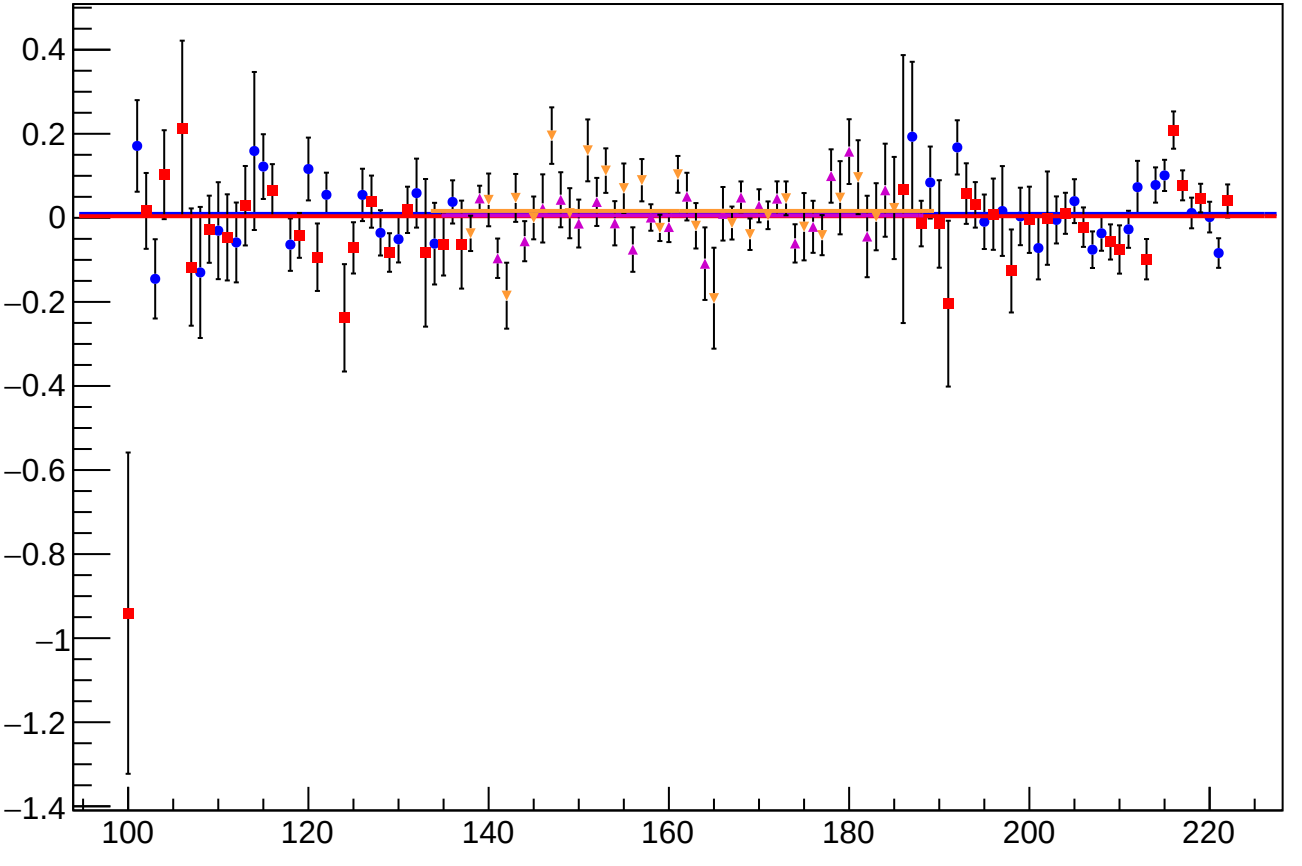
Right: 43.218+/-0.005 χ^2/NDF: 7696425.7/71

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 43.003+/-0.005 χ^2/NDF:7693732.1/62

All: 42.443+/-0.004 χ^2/NDF: 13635861.7/119

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: 0.004+/-0.010 χ^2/NDF: 63.7/37

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

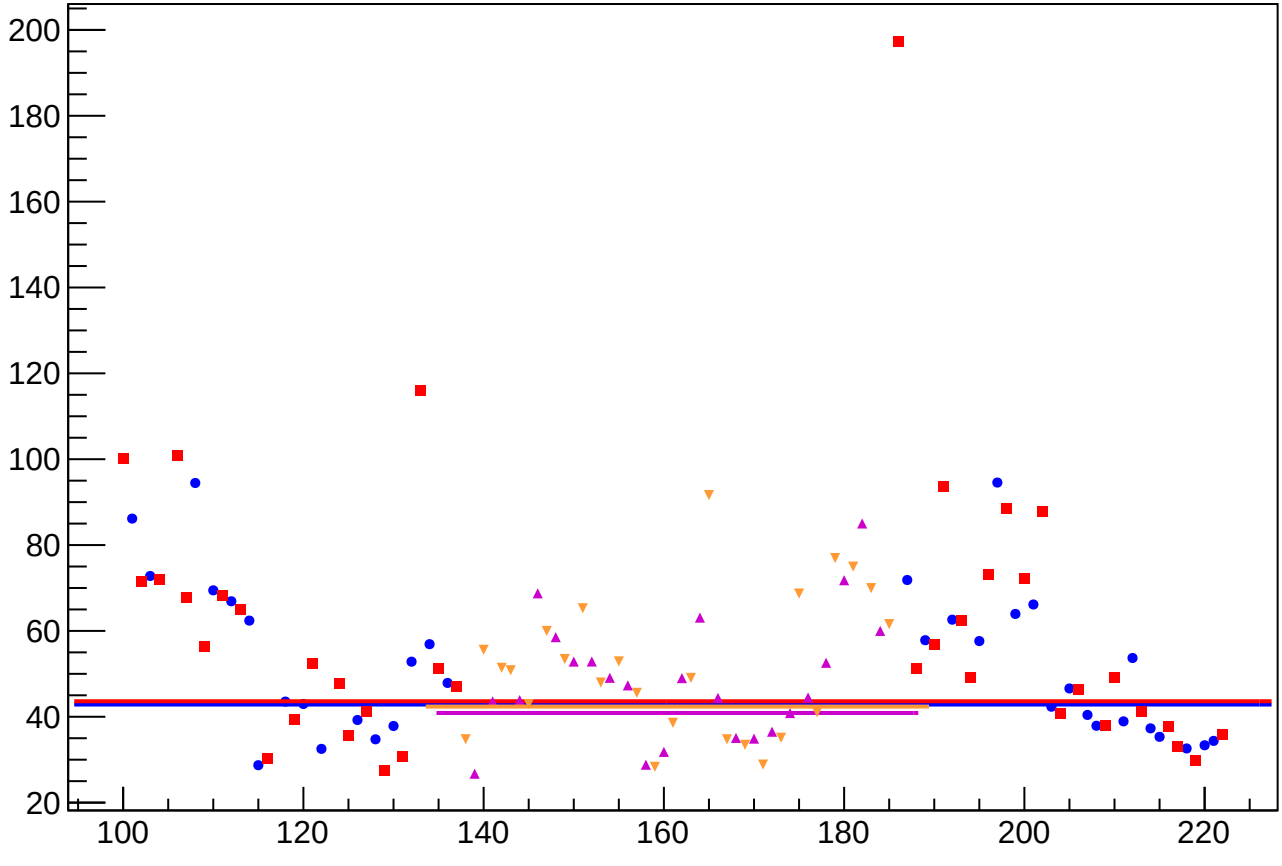
Right: 0.007+/-0.007 χ^2/NDF: 112.9/71

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.010+/-0.007 χ^2/NDF:105.6/62

All: 0.009+/-0.005 χ^2/NDF: 180.6/119

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 43.613+/-0.007 χ^2/NDF: 4488220.9/37

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

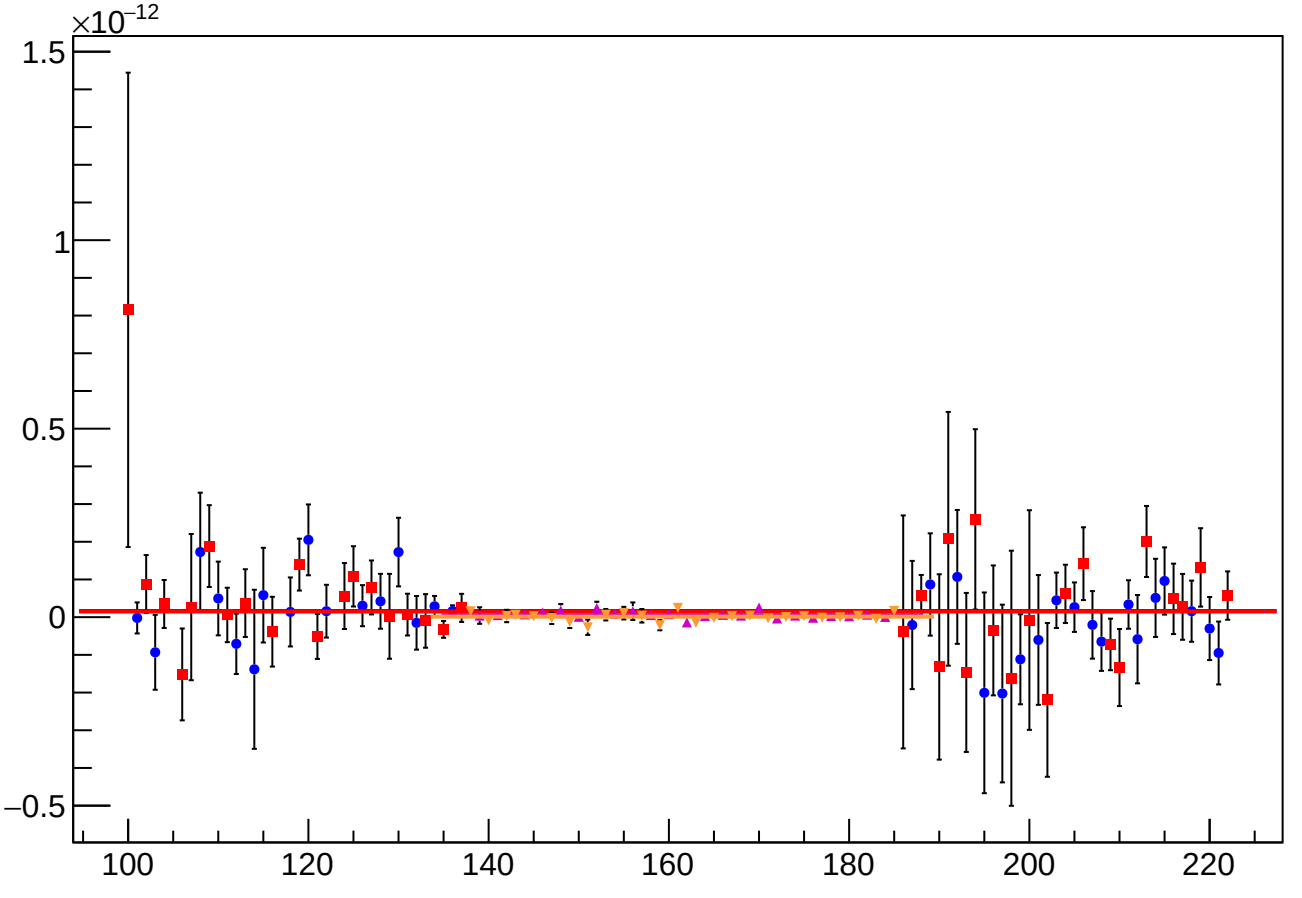
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 43.218+/-0.005 χ^2/NDF: 7696425.7/71

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 43.003+/-0.005 χ^2/NDF:7693732.1/62

All: 42.443+/-0.004 χ^2/NDF: 13635861.7/119



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/37

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

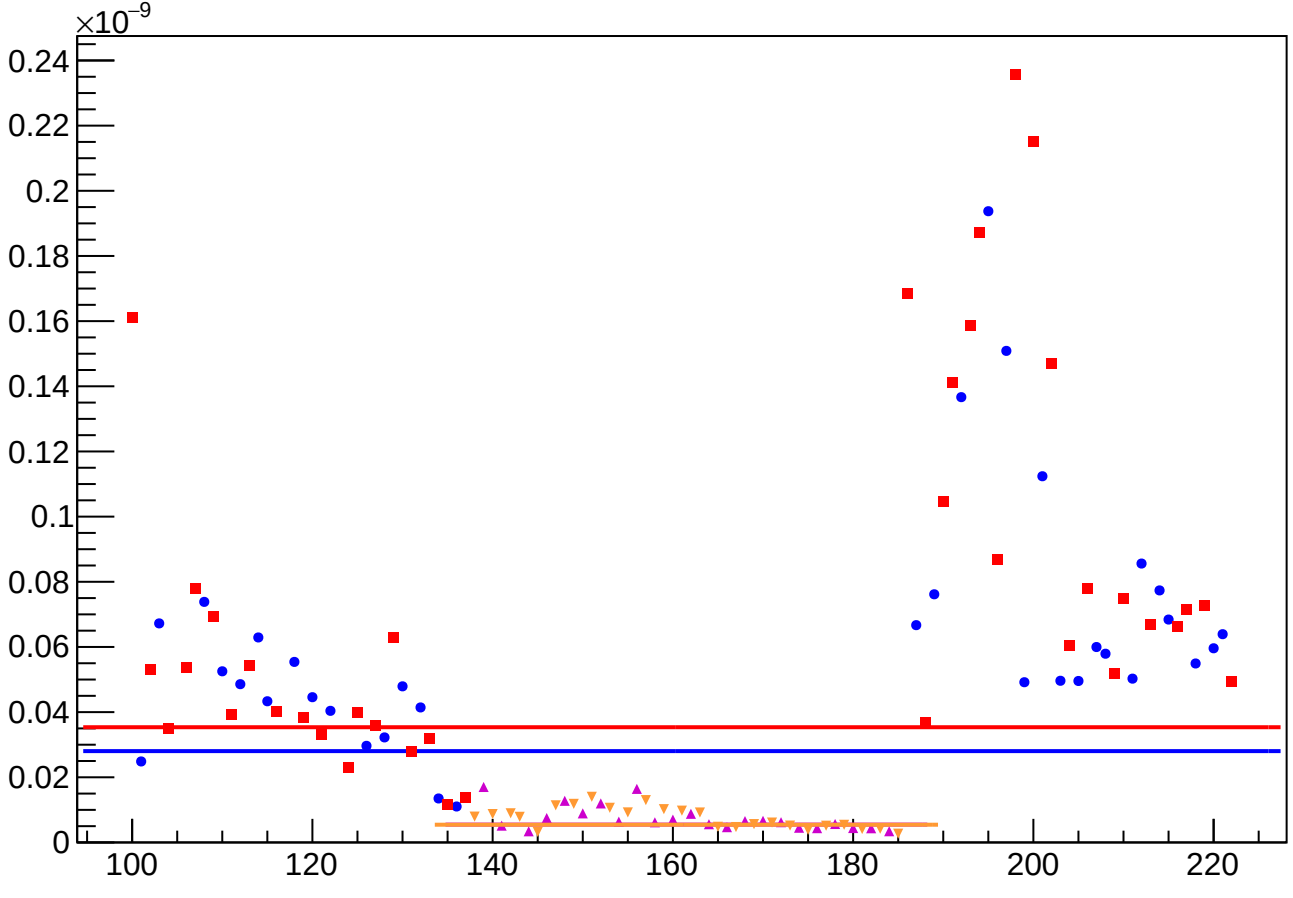
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 55.5/71

In: 0.000+/-0.000 χ^2/NDF:34.6/56

Out: 0.000+/-0.000 χ^2/NDF:56.2/62

All: 0.000+/-0.000 χ^2/NDF: 93.2/119



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: 10352145.9/37

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

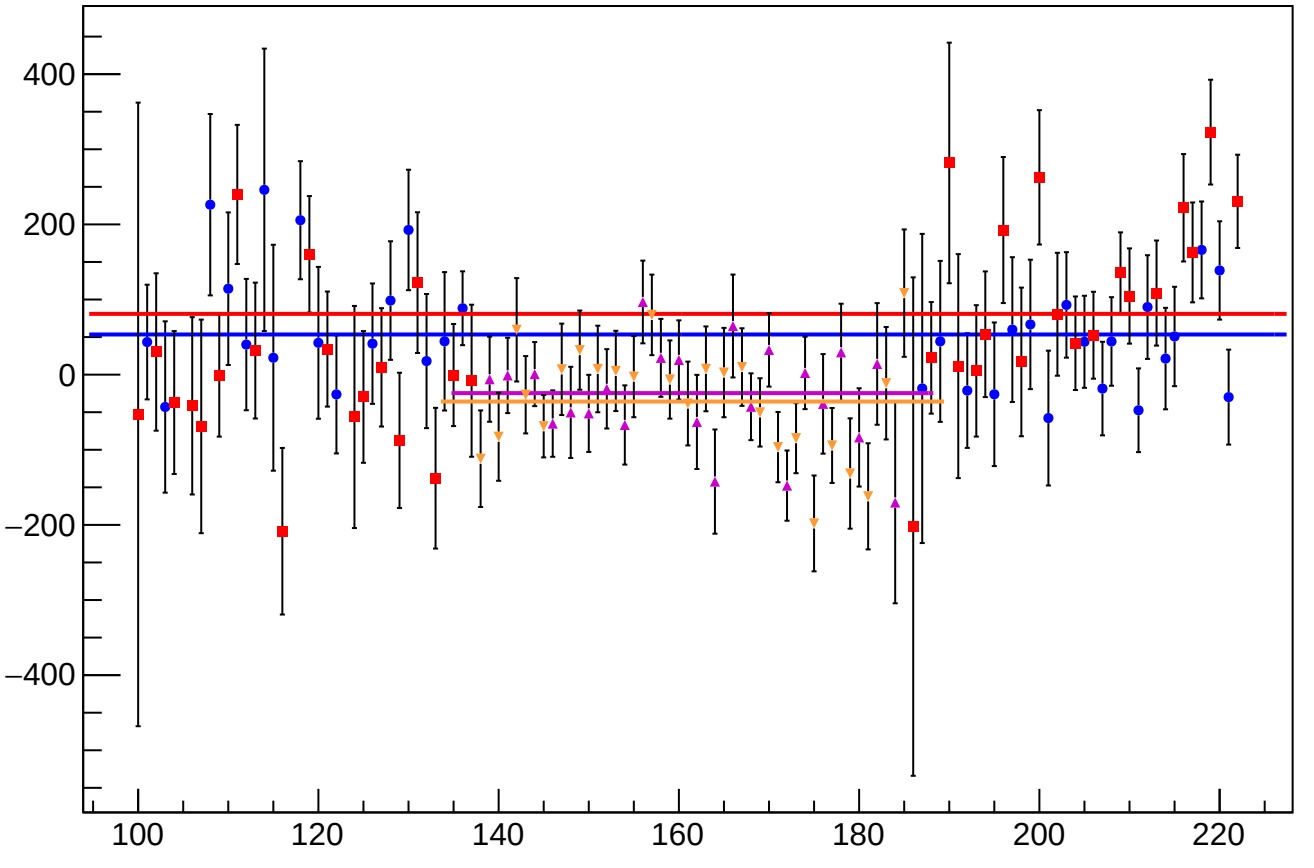
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 21528744.3/71

In: 0.000+/-0.000 χ^2/NDF:23332844.1/56

Out: 0.000+/-0.000 χ^2/NDF:26565559.1/62

All: 0.000+/-0.000 χ^2/NDF: 49902134.3/119



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: 80.901+/-13.592 χ^2/NDF: 66.3/37

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

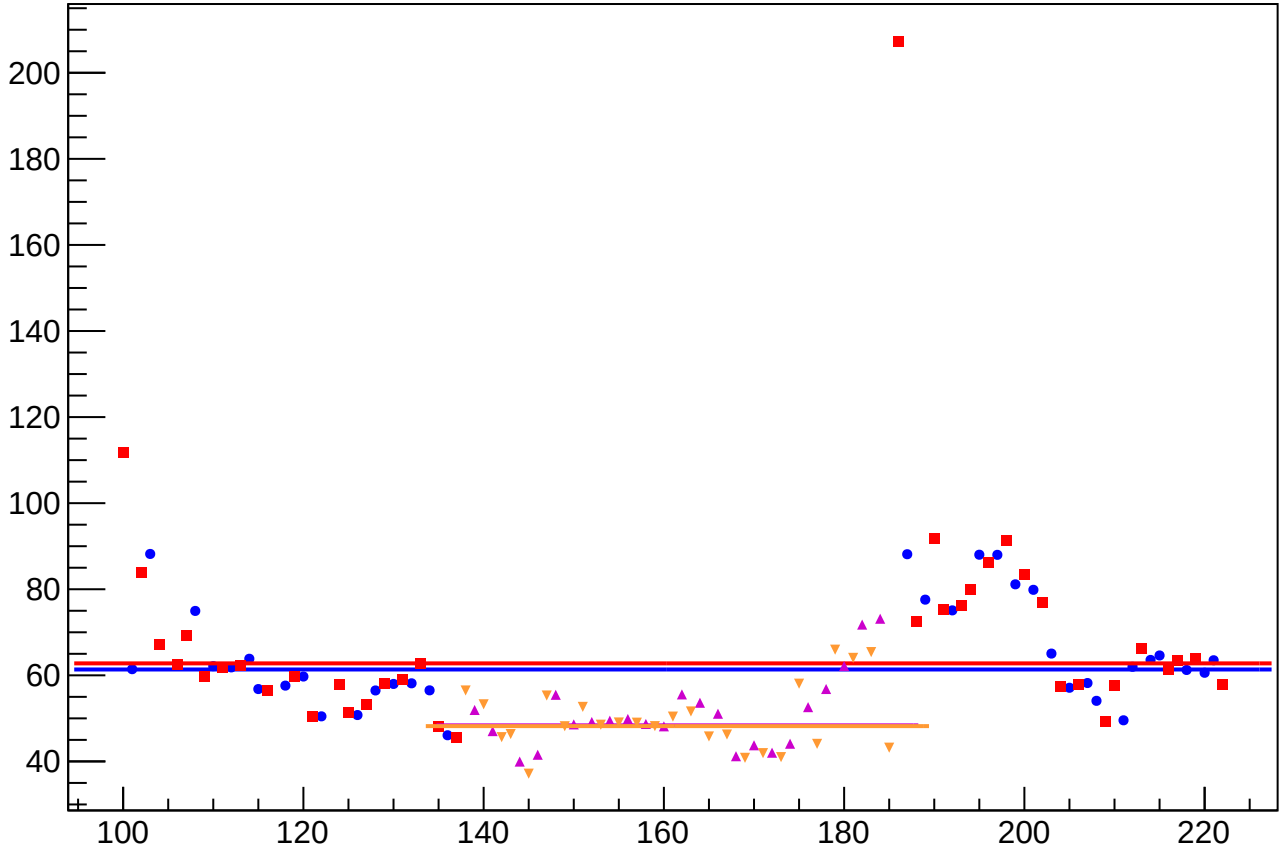
Right: 66.896+/-9.509 χ^2/NDF: 96.8/71

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 10.997+/-8.606 χ^2/NDF:144.1/62

All: 9.857+/-6.115 χ^2/NDF: 218.0/119

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.357+/-0.009 χ^2/NDF: 1223423.1/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.777+/-0.010 χ^2/NDF: 1667313.8/37

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

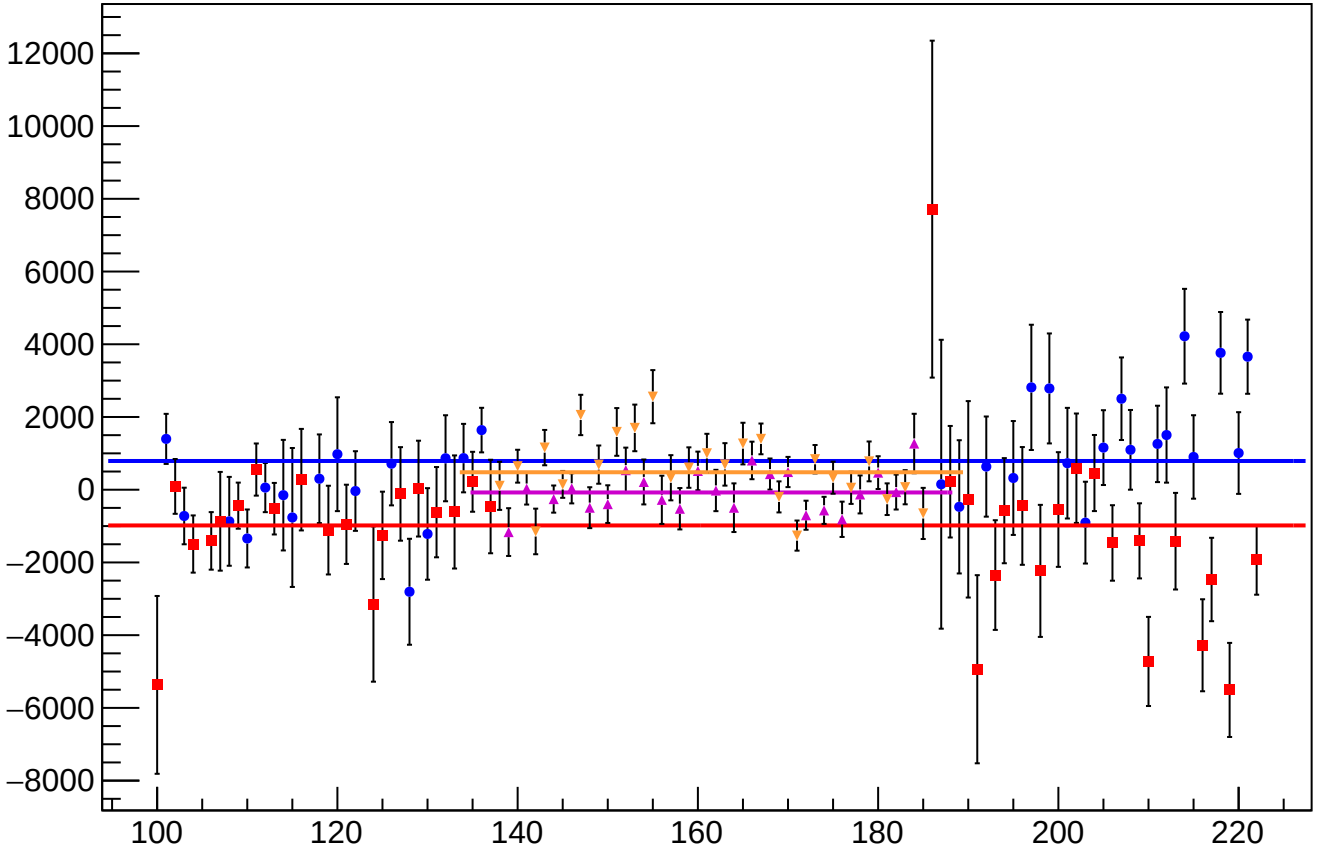
Right: 62.052+/-0.007 χ^2/NDF: 2901887.4/71

In: 53.912+/-0.006 χ^2/NDF:3009805.0/56

Out: 54.043+/-0.006 χ^2/NDF:3826060.0/62

All: 53.978+/-0.004 χ^2/NDF: 6836096.0/119

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: -982.462+/-183.630 χ^2/NDF: 59.7/37

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

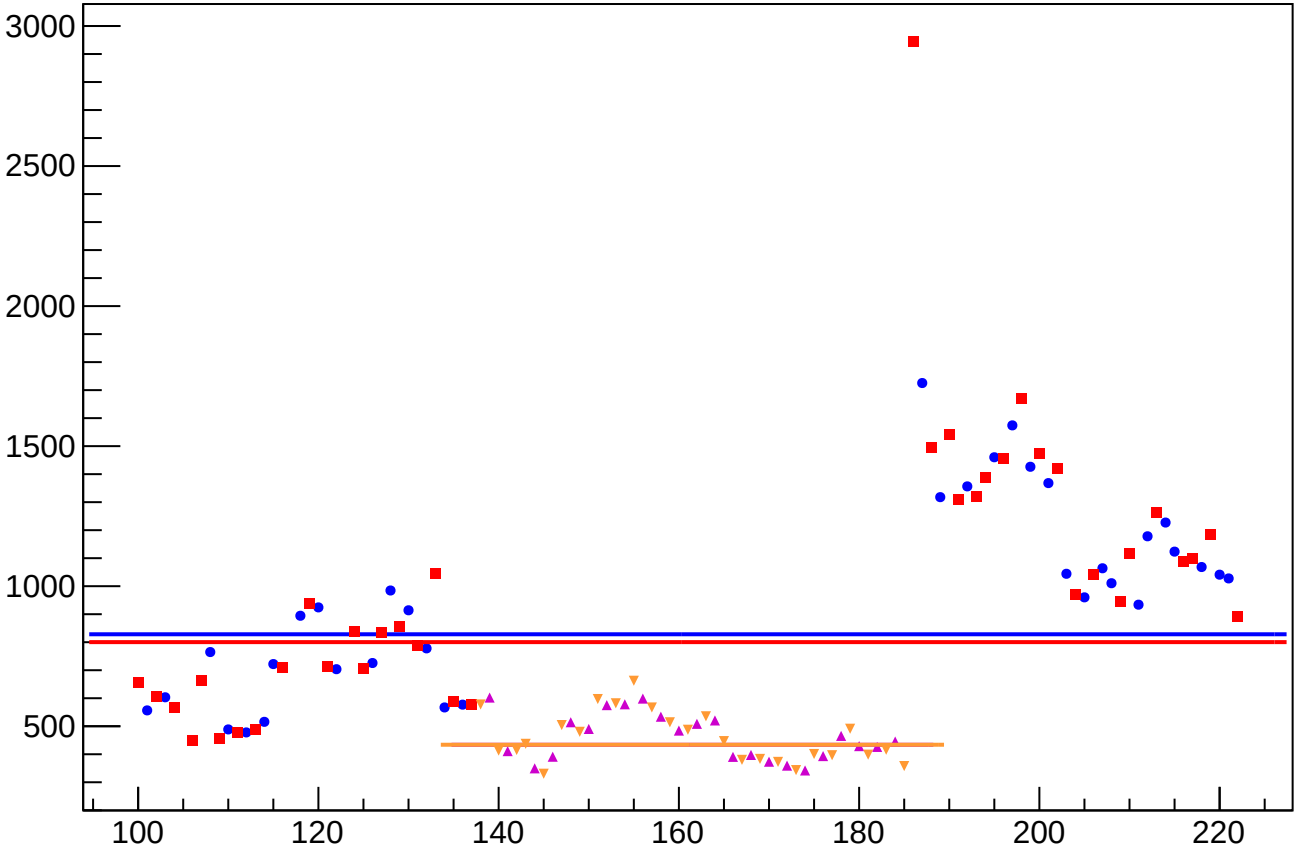
Right: -115.134+/-131.225 χ^2/NDF: 163.2/71

In: 125.248+/-90.372 χ^2/NDF:98.8/56

Out: 142.947+/-88.177 χ^2/NDF:177.7/62

All: 134.315+/-63.113 χ^2/NDF: 276.5/119

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: 800.322+/-0.130 χ^2/NDF: 6557548.1/37

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

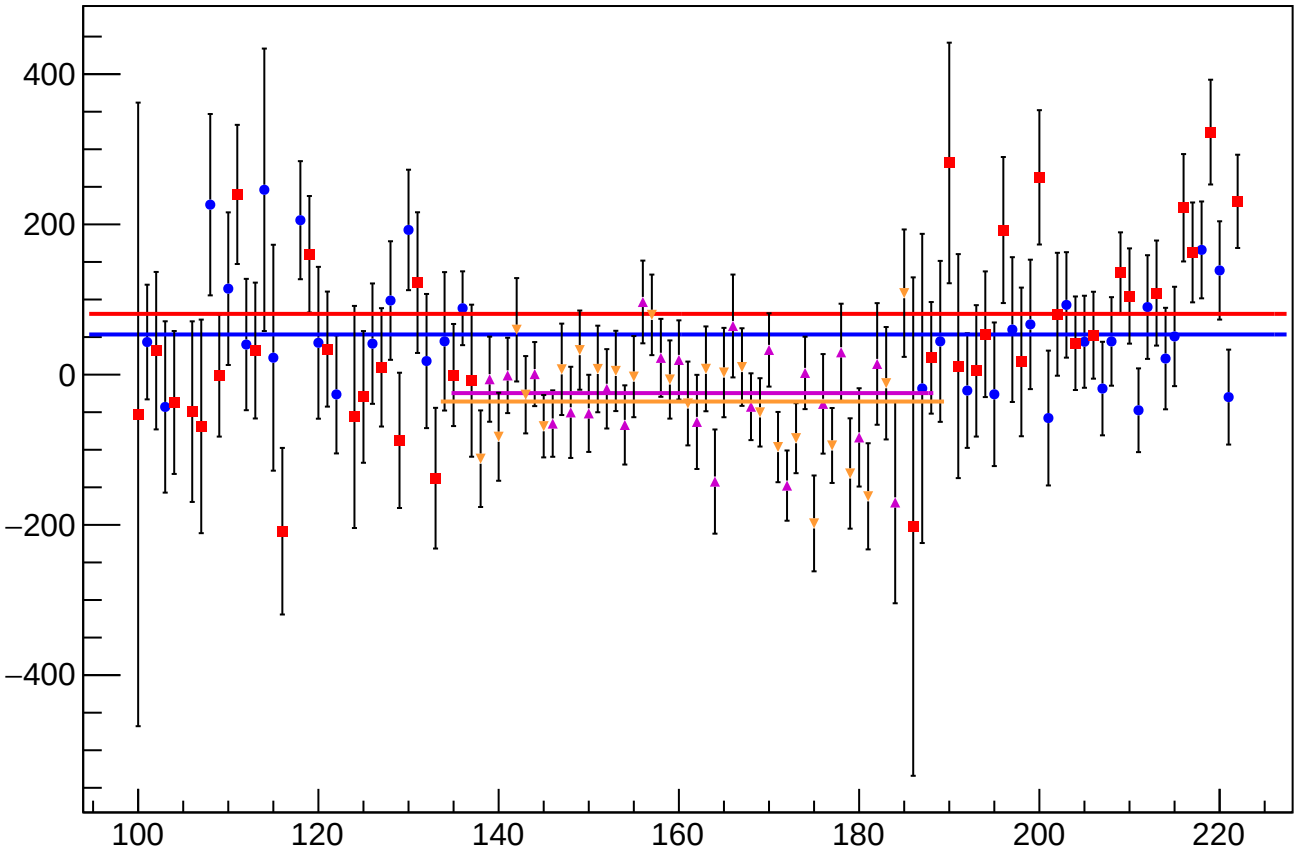
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 814.033+/-0.093 χ^2/NDF: 11411847.8/71

In: 525.305+/-0.064 χ^2/NDF:12722562.4/56

Out: 518.425+/-0.062 χ^2/NDF:13926993.8/62

All: 521.780+/-0.045 χ^2/NDF: 26655493.7/1



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: 80.889+/-13.596 χ^2/NDF: 66.4/37

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

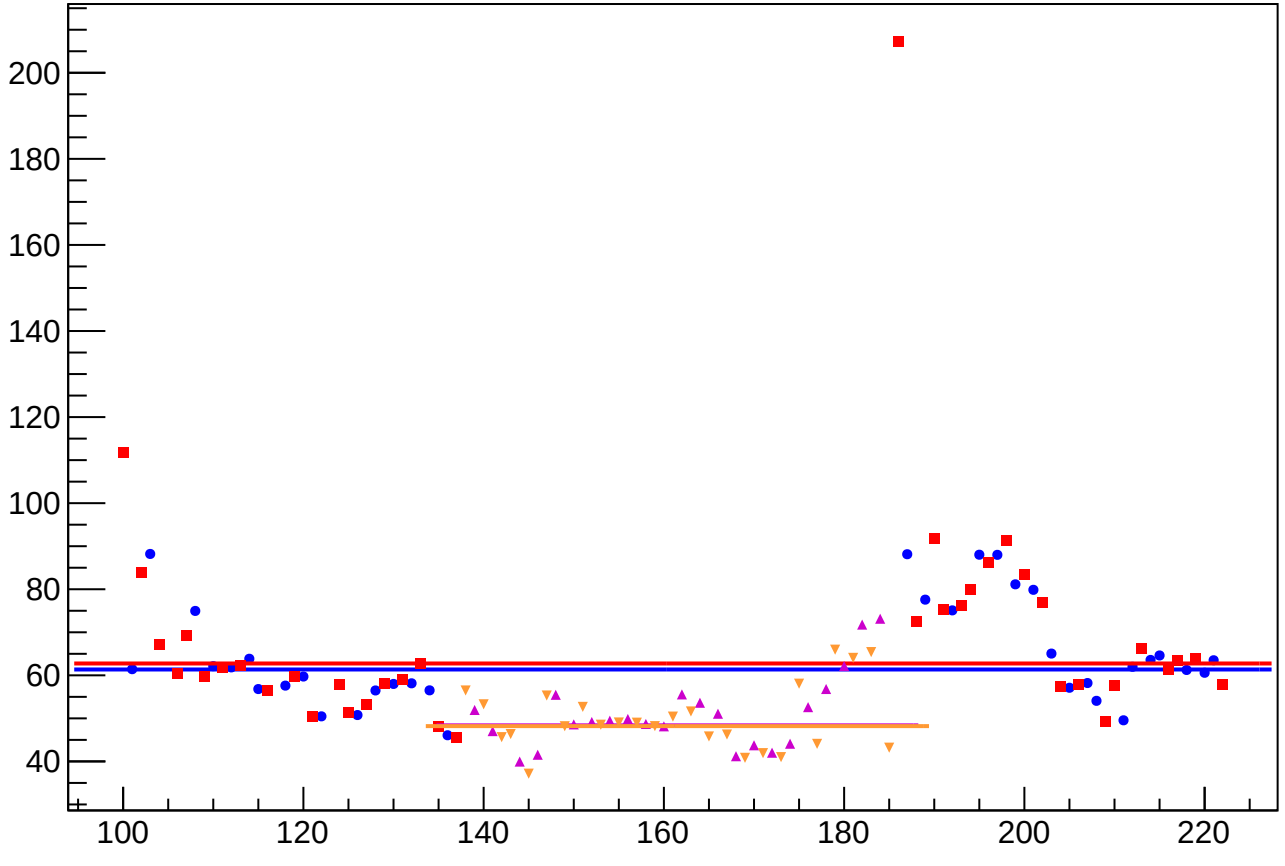
Right: 66.889+/-9.510 χ^2/NDF: 96.8/71

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 10.975+/-8.607 χ^2/NDF:144.2/62

All: 9.846+/-6.115 χ^2/NDF: 218.1/119

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: 62.752+/-0.010 χ^2/NDF: 1668270.8/37

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

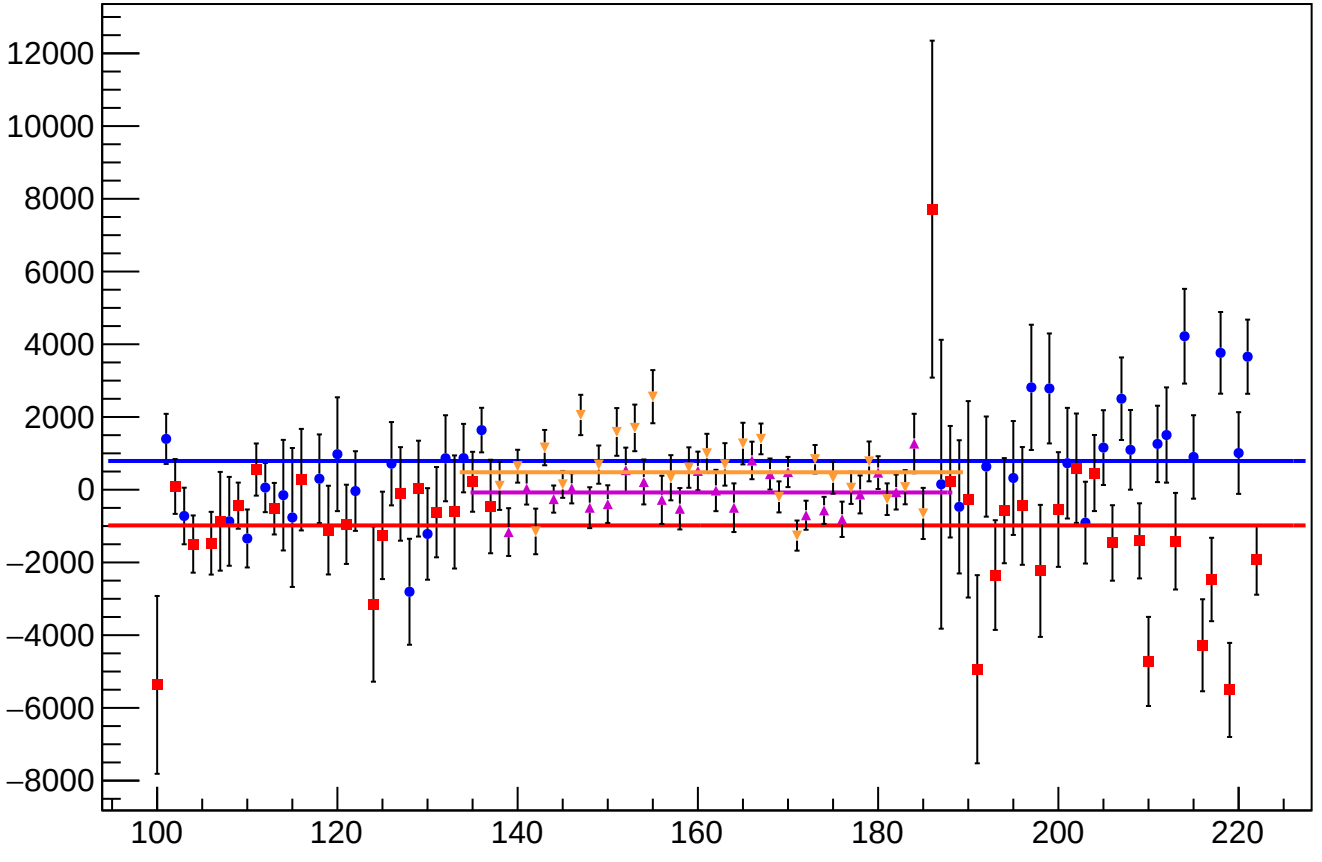
Right: 62.040+/-0.007 χ^2/NDF: 2902446.0/71

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 54.031+/-0.006 χ^2/NDF:3821761.6/62

All: 53.972+/-0.004 χ^2/NDF: 6831761.1/119

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: -981.936+/-184.425 χ^2/NDF: 59.7/37

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

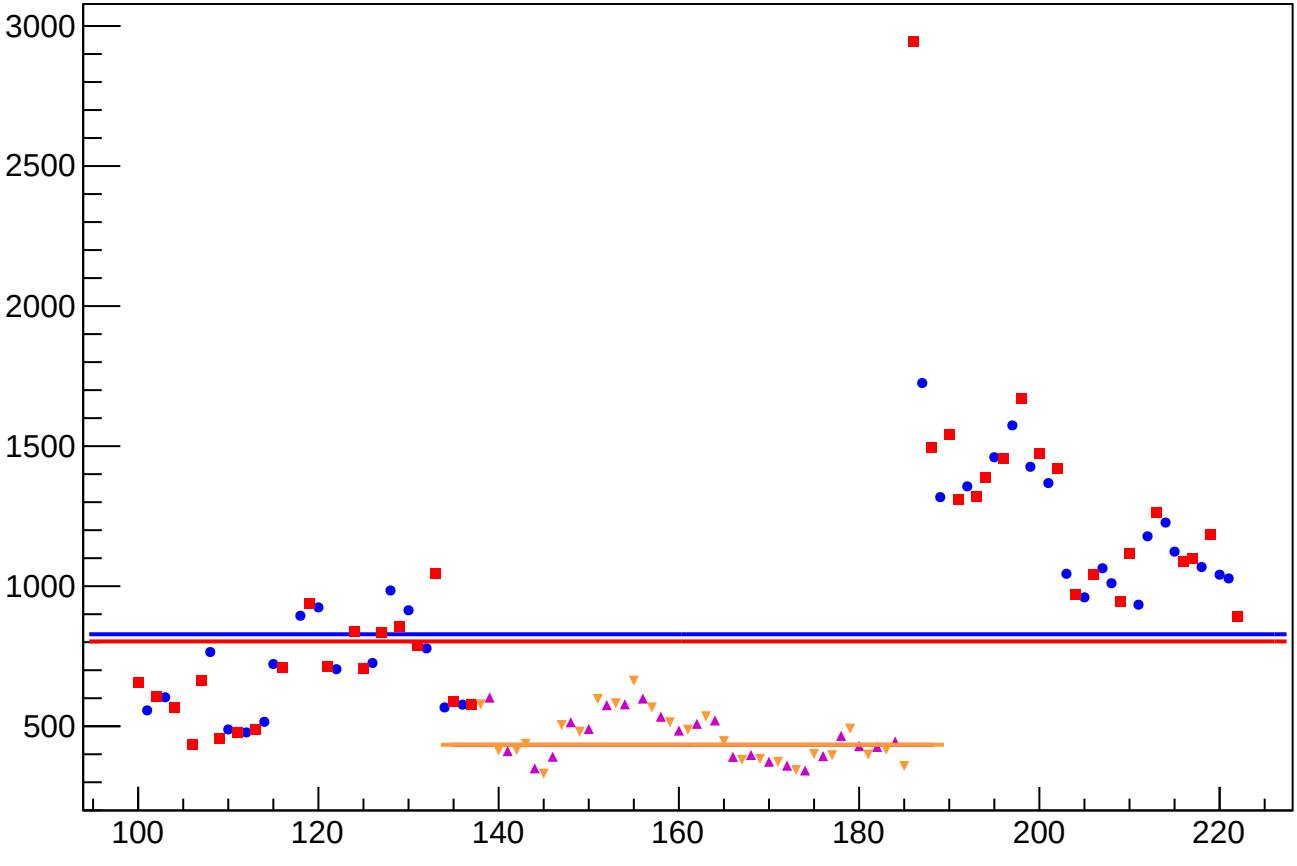
Right: -111.031+/-131.514 χ^2/NDF: 163.0/71

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 145.300+/-88.265 χ^2/NDF:177.4/62

All: 135.512+/-63.145 χ^2/NDF: 276.1/119

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 828.347+/-0.133 χ^2/NDF: 4831419.8/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 802.787+/-0.130 χ^2/NDF: 6519102.5/37

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

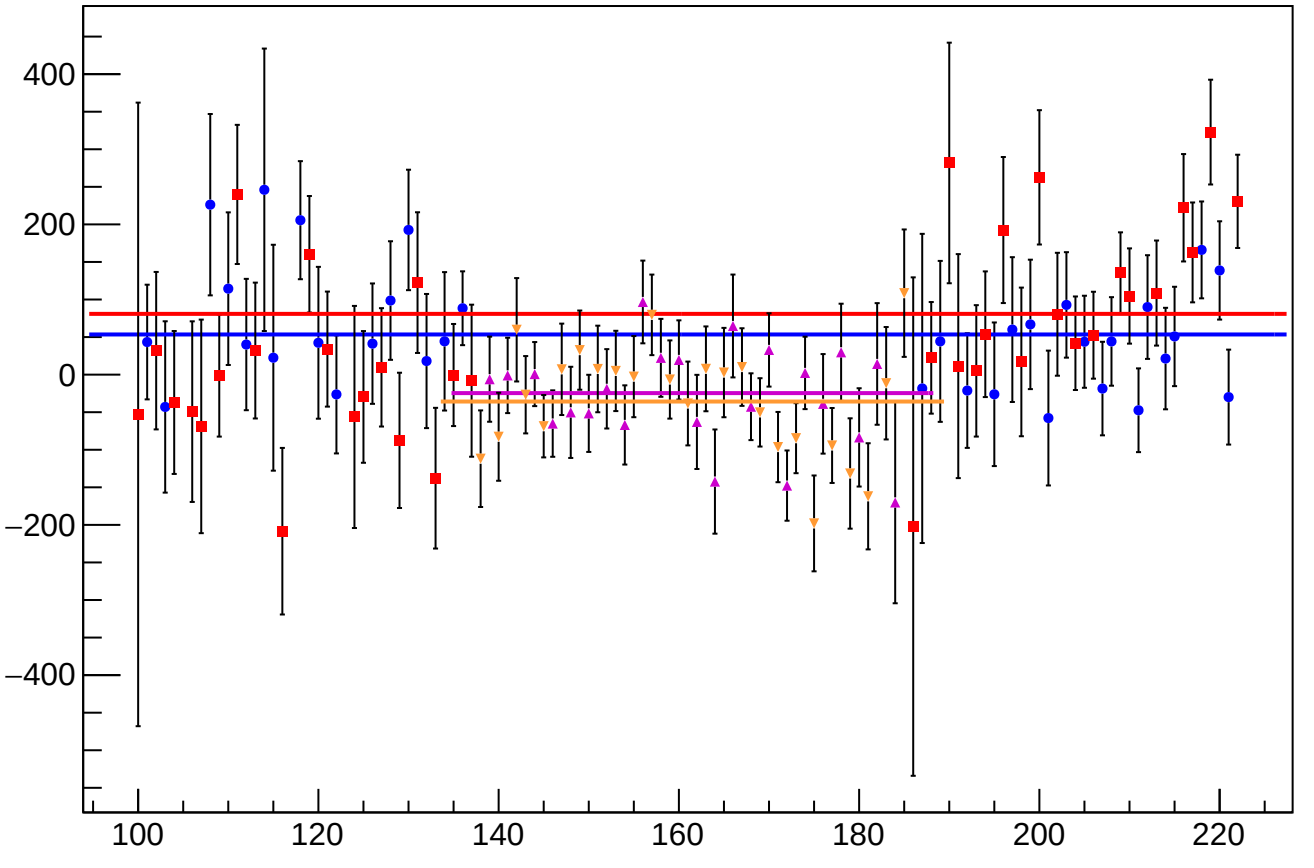
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 815.349+/-0.093 χ^2/NDF: 11369403.0/71

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 518.430+/-0.062 χ^2/NDF:13930104.5/62

All: 521.787+/-0.045 χ^2/NDF: 26658607.6/1



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: 80.889+/-13.596 χ^2/NDF: 66.4/37

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

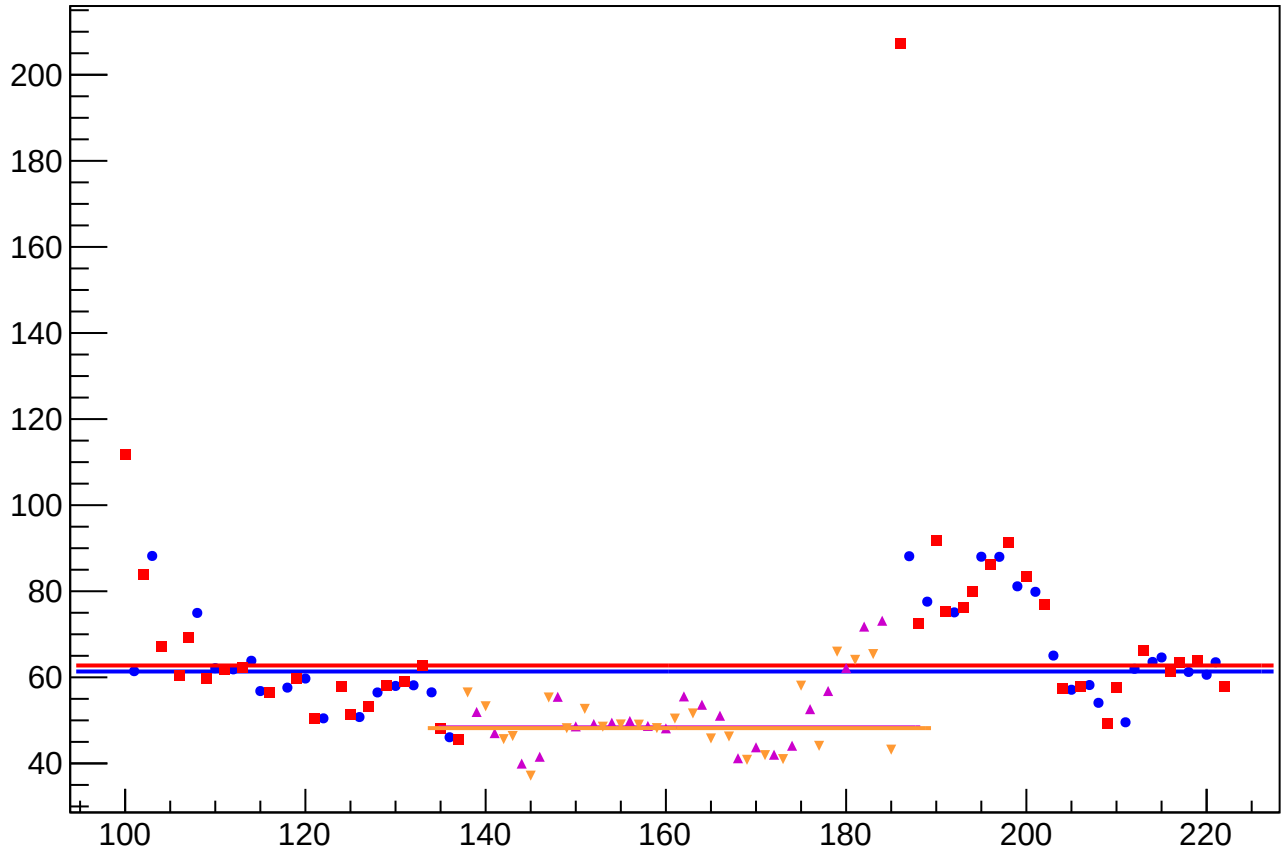
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 66.889+/-9.510 χ^2/NDF: 96.8/71

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 10.975+/-8.607 χ^2/NDF:144.2/62

All: 9.846+/-6.115 χ^2/NDF: 218.1/119



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: 62.752+/-0.010 χ^2/NDF: 1668270.8/37

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

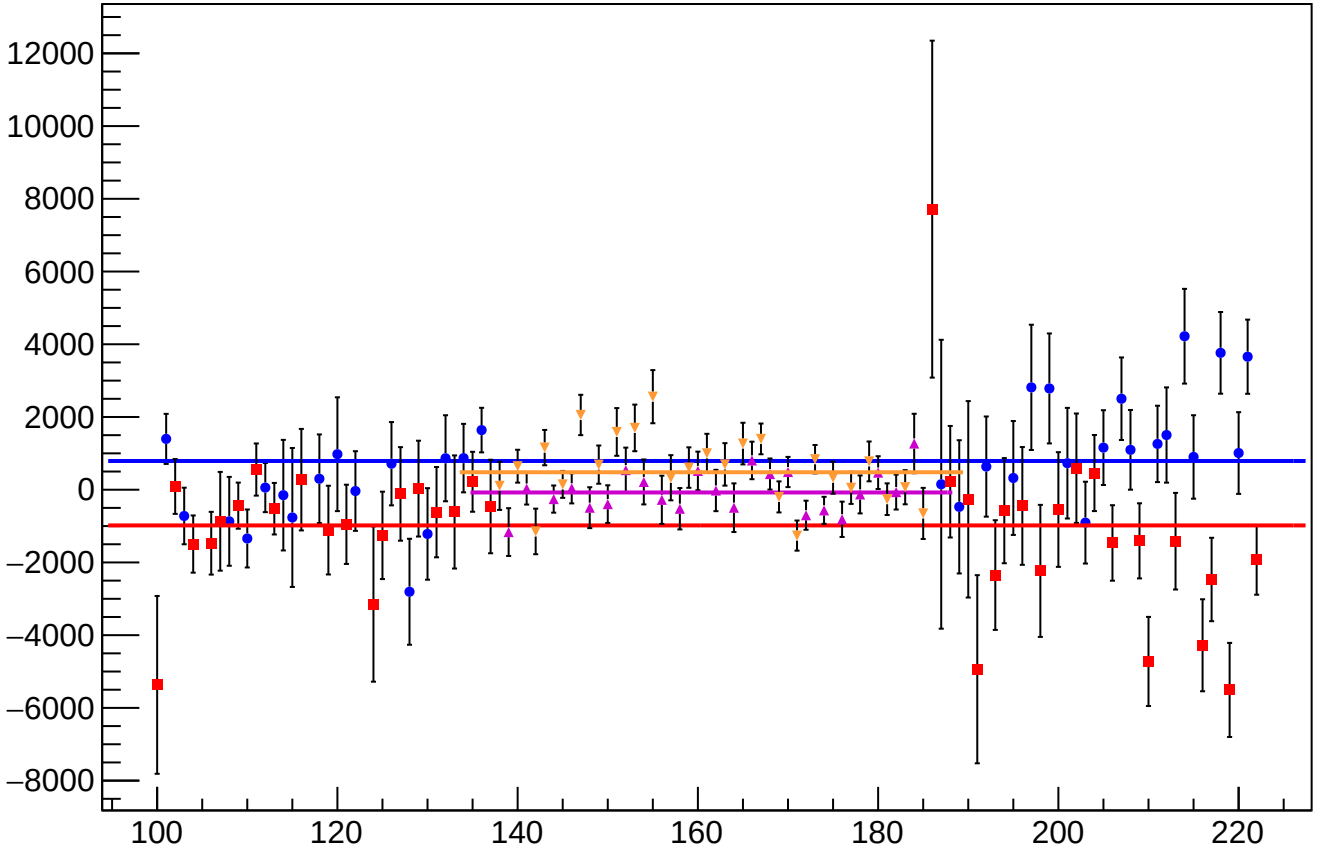
Right: 62.040+/-0.007 χ^2/NDF: 2902446.0/71

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 54.031+/-0.006 χ^2/NDF:3821761.6/62

All: 53.972+/-0.004 χ^2/NDF: 6831761.1/119

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: -981.936+/-184.425 χ^2/NDF: 59.7/37

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

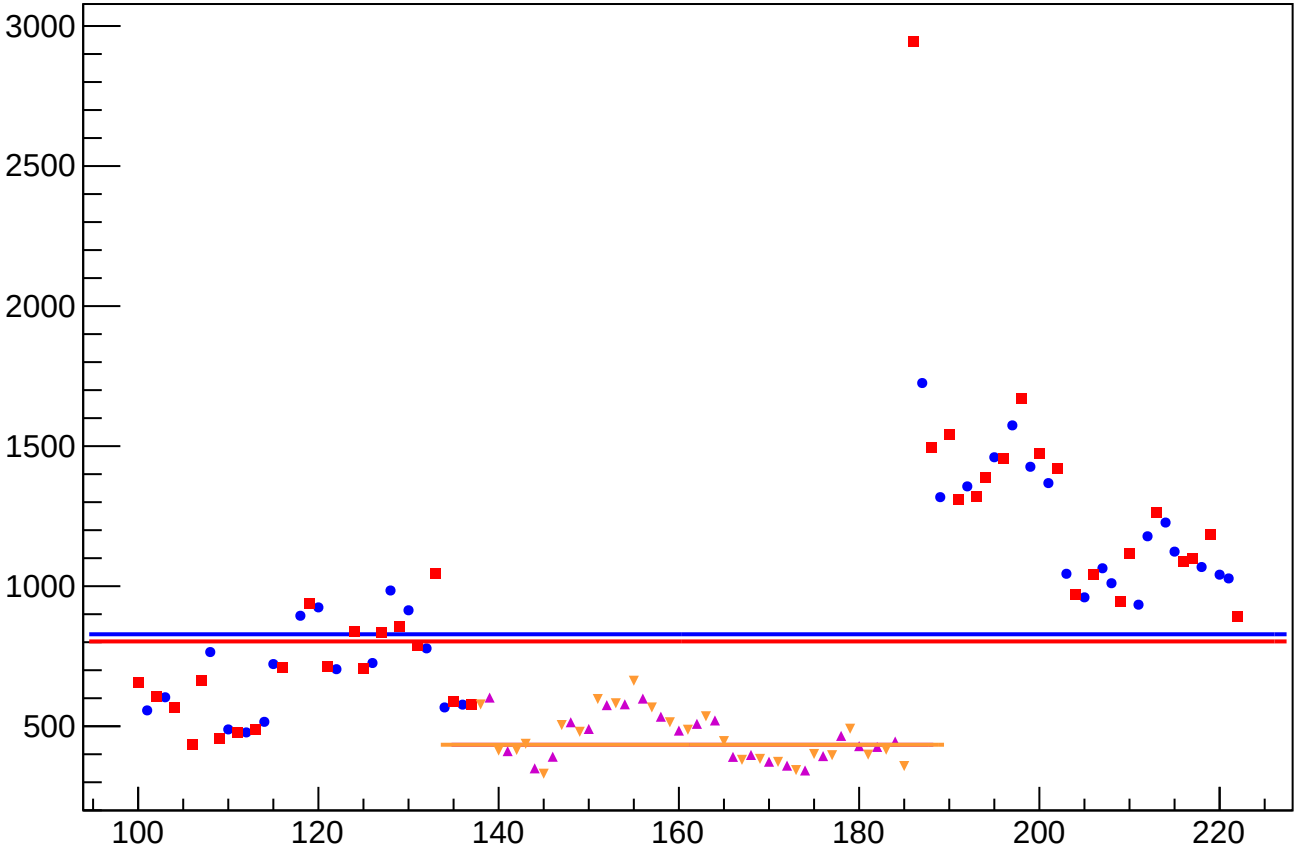
Right: -111.031+/-131.514 χ^2/NDF: 163.0/71

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 145.300+/-88.265 χ^2/NDF:177.4/62

All: 135.512+/-63.145 χ^2/NDF: 276.1/119

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: 802.787+/-0.130 χ^2/NDF: 6519102.5/37

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

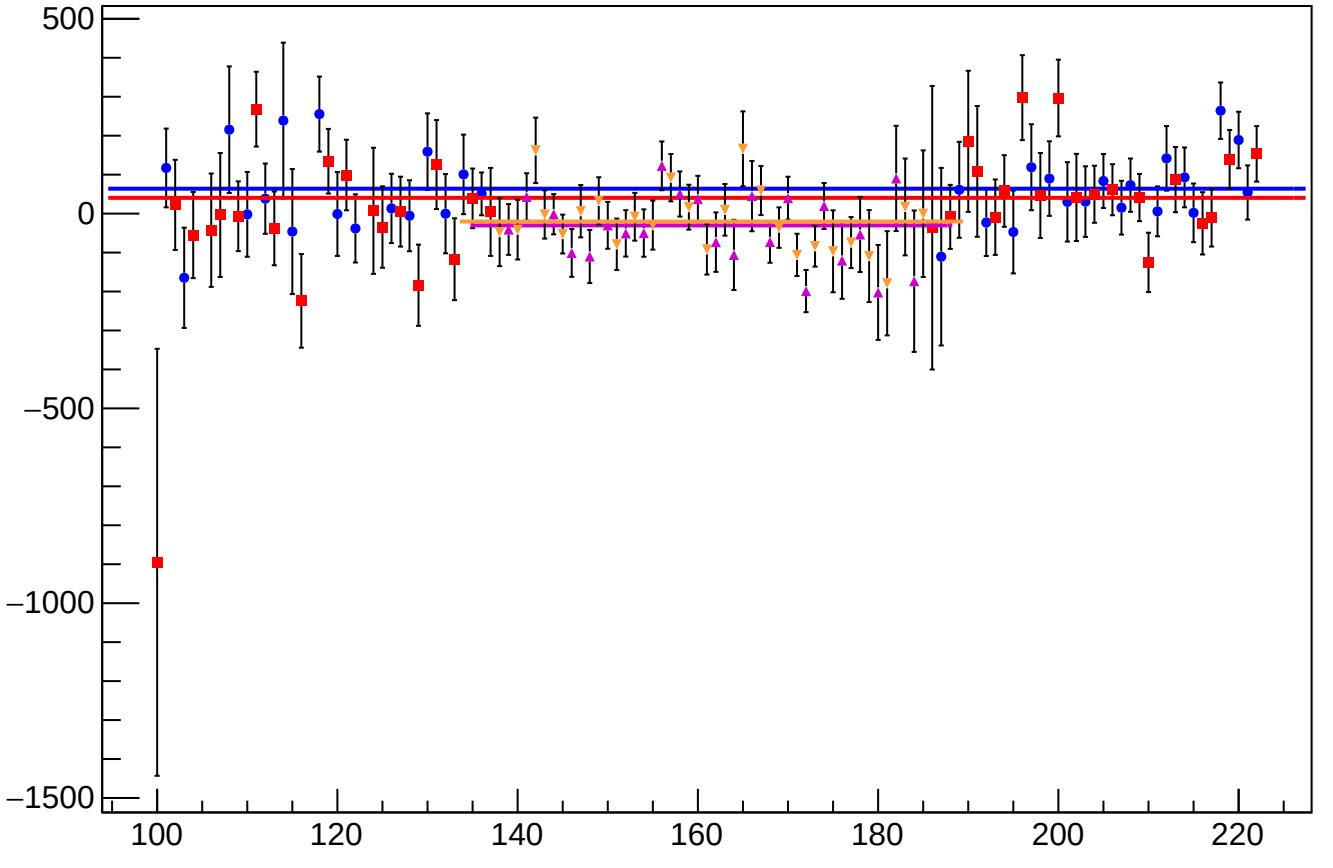
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 815.349+/-0.093 χ^2/NDF: 11369403.0/71

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 518.430+/-0.062 χ^2/NDF:13930104.5/62

All: 521.787+/-0.045 χ^2/NDF: 26658607.6/1



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: 40.451+/-15.414 χ^2/NDF: 49.9/37

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

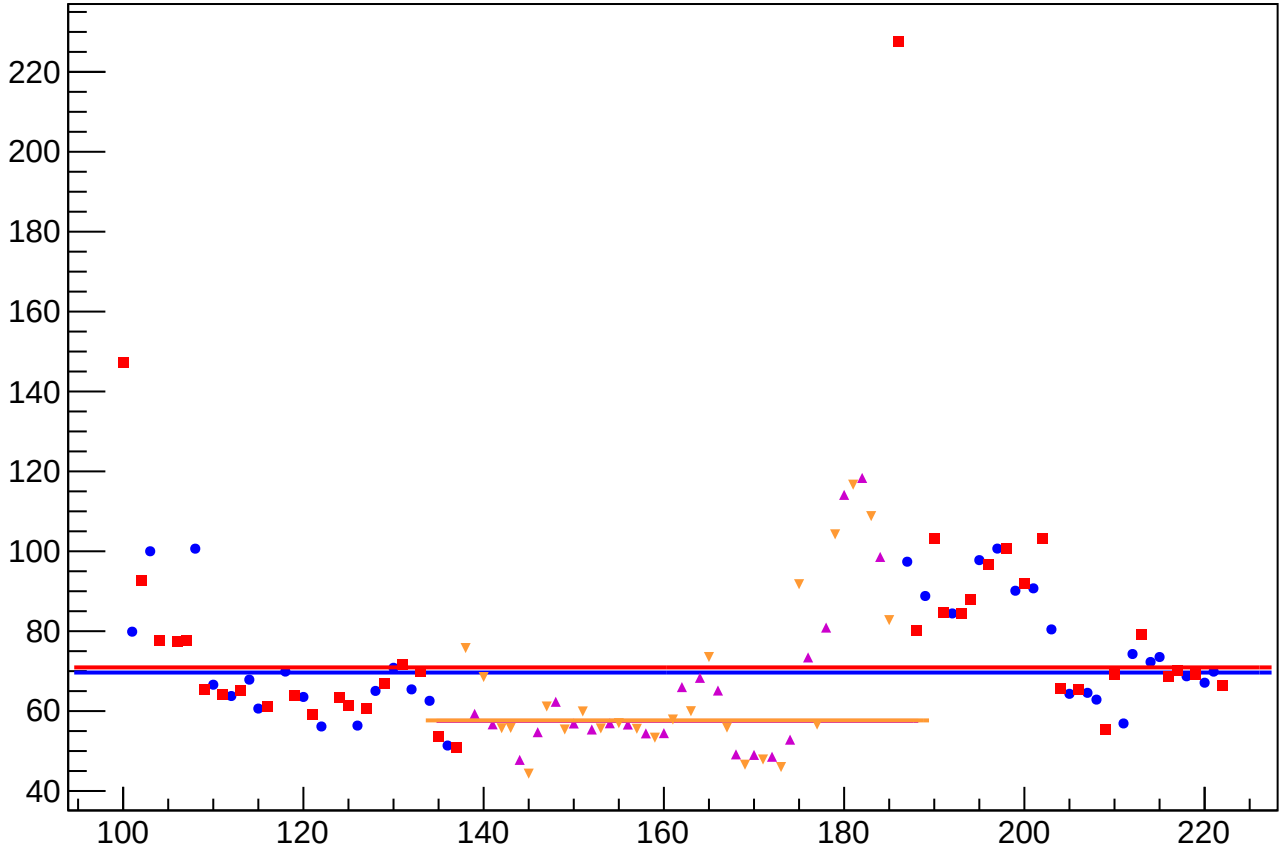
Right: 52.384+/-10.815 χ^2/NDF: 82.2/71

In: 12.948+/-10.282 χ^2/NDF:84.6/56

Out: 6.389+/-10.213 χ^2/NDF:83.7/62

All: 9.647+/-7.246 χ^2/NDF: 168.5/119

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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: 70.938+/-0.011 χ^2/NDF: 1710751.6/37

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

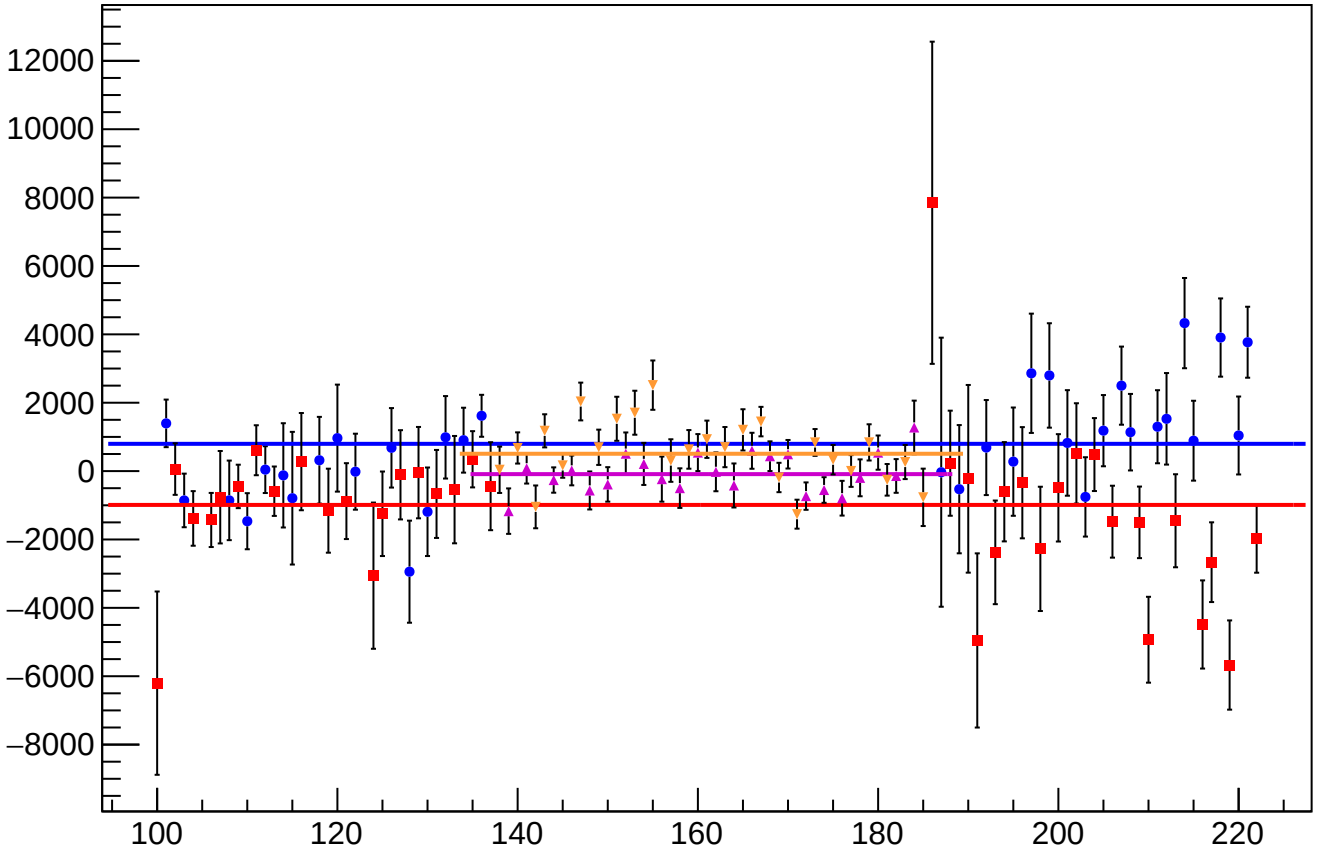
Right: 70.283+/-0.008 χ^2/NDF: 3057126.1/71

In: 63.097+/-0.007 χ^2/NDF:3471381.2/56

Out: 63.494+/-0.007 χ^2/NDF:4451967.2/62

All: 63.297+/-0.005 χ^2/NDF: 7924849.8/119

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: -989.226+/-185.719 χ^2/NDF: 62.9/37

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

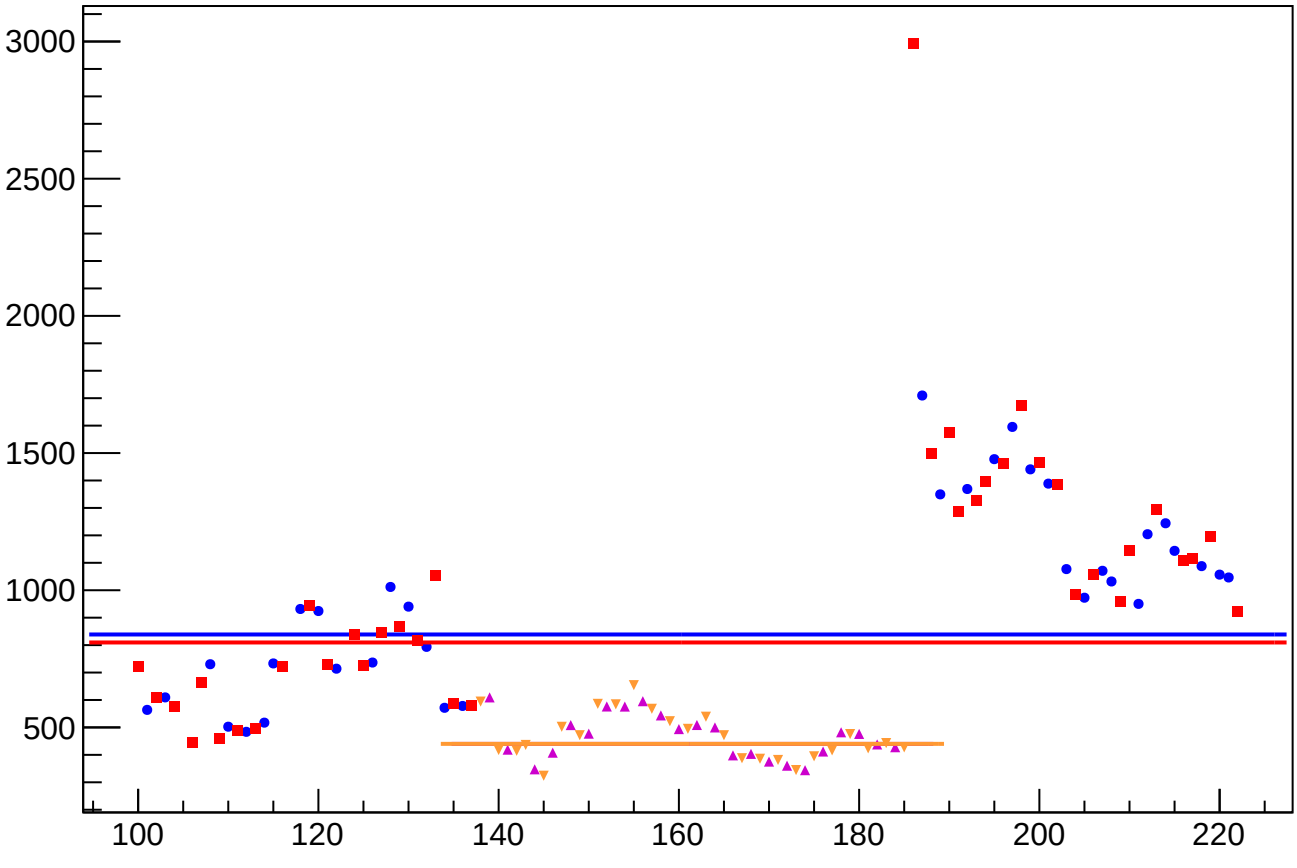
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -116.173+/-132.816 χ^2/NDF: 167.7/71

In: 117.447+/-91.594 χ^2/NDF:99.6/56

Out: 161.567+/-89.253 χ^2/NDF:178.6/62

All: 140.078+/-63.923 χ^2/NDF: 278.3/119



Right In: 838.759+/-0.134 χ^2/NDF: 4893082.0/33

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 809.627+/-0.131 χ^2/NDF: 6548618.3/37

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

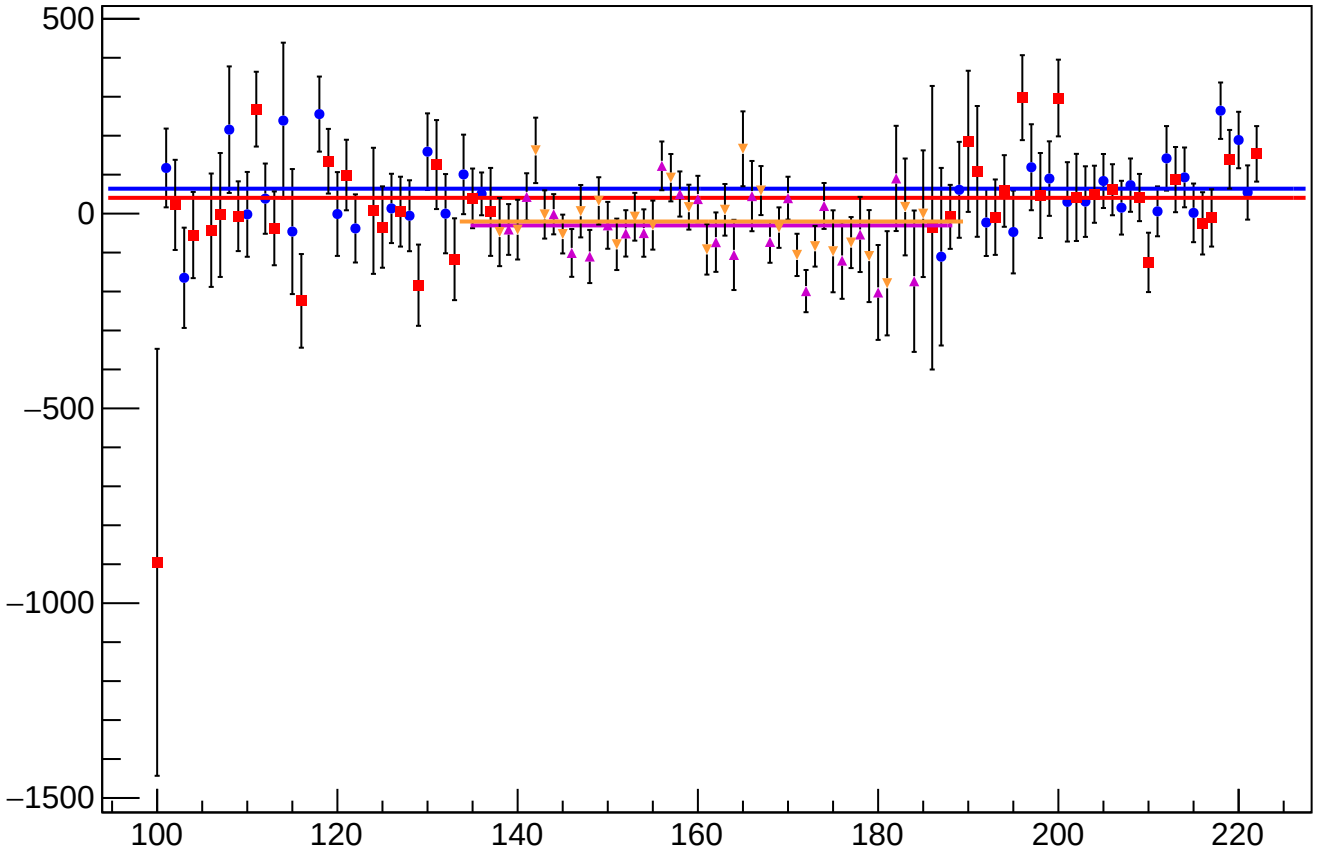
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 823.860+/-0.094 χ^2/NDF: 11465742.8/71

In: 532.562+/-0.065 χ^2/NDF:12720549.1/56

Out: 525.426+/-0.063 χ^2/NDF:13835618.3/62

All: 528.901+/-0.045 χ^2/NDF: 26562394.0/11



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: 40.452+/-15.414 χ^2/NDF: 49.9/37

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

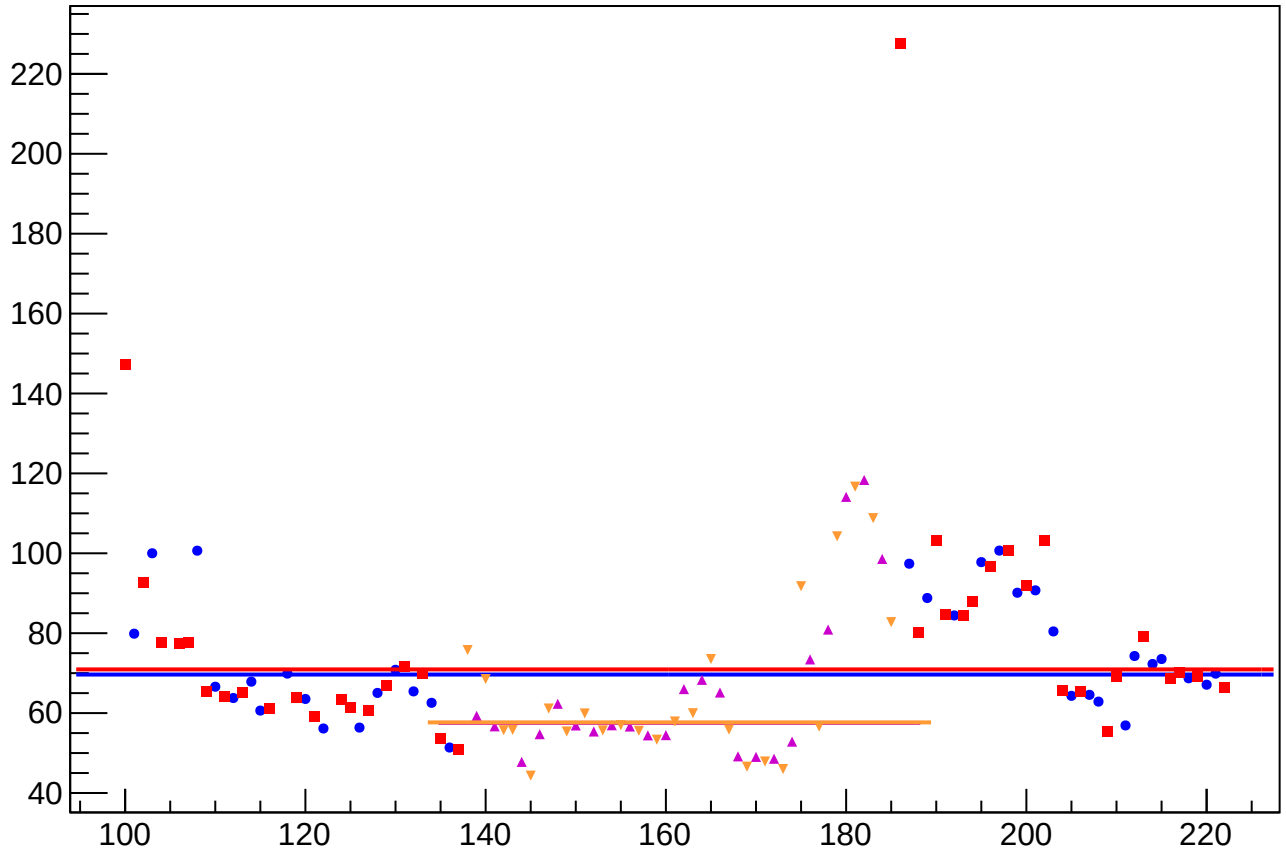
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 52.384+/-10.815 χ^2/NDF: 82.2/71

In: 12.947+/-10.282 χ^2/NDF:84.6/56

Out: 6.390+/-10.213 χ^2/NDF:83.7/62

All: 9.646+/-7.246 χ^2/NDF: 168.5/119



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: 70.937+/-0.011 χ^2/NDF: 1710757.5/37

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

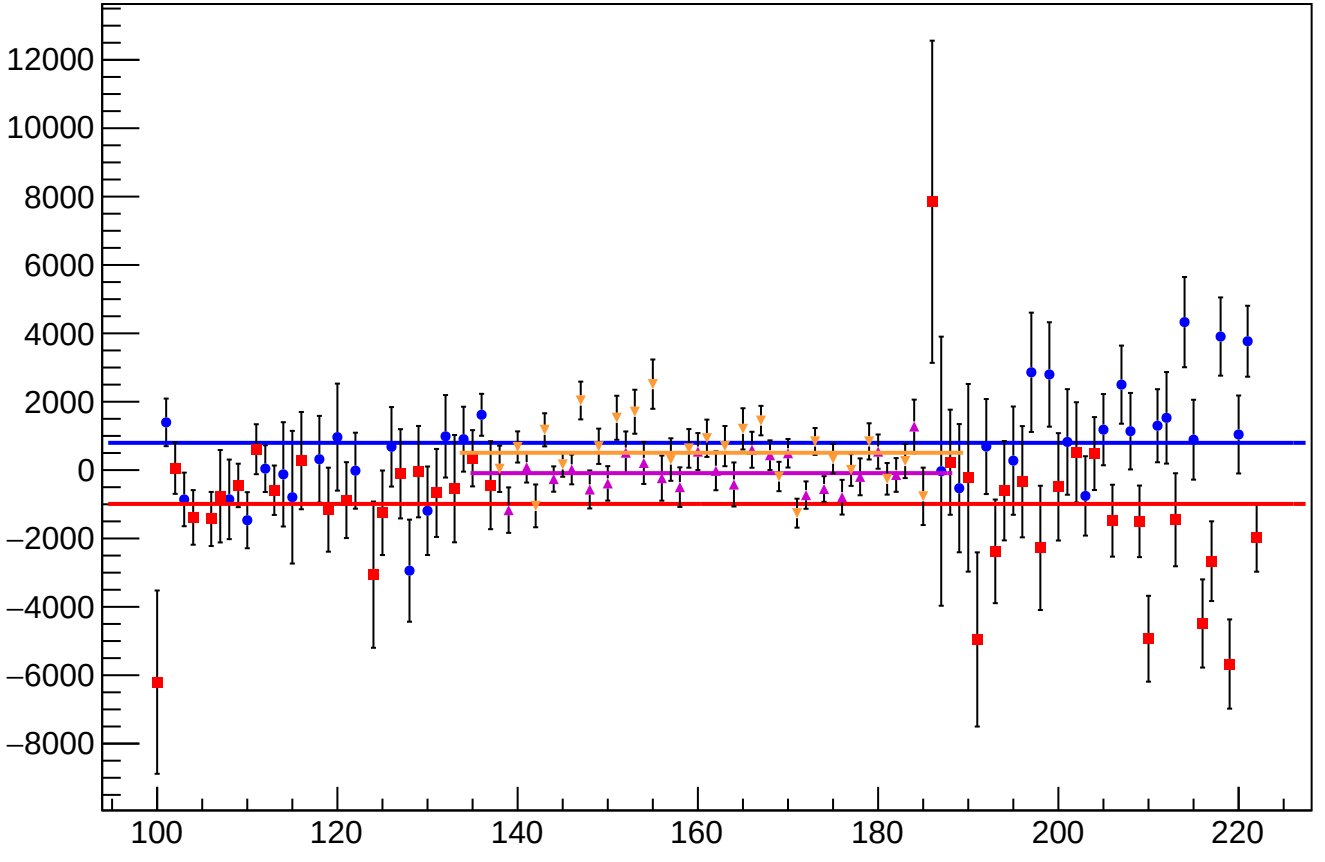
Right: 70.283+/-0.008 χ^2/NDF: 3057105.8/71

In: 63.097+/-0.007 χ^2/NDF:3471323.7/56

Out: 63.494+/-0.007 χ^2/NDF:4451947.4/62

All: 63.297+/-0.005 χ^2/NDF: 7924773.0/119

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: -989.225+/-185.719 χ^2/NDF: 62.9/37

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

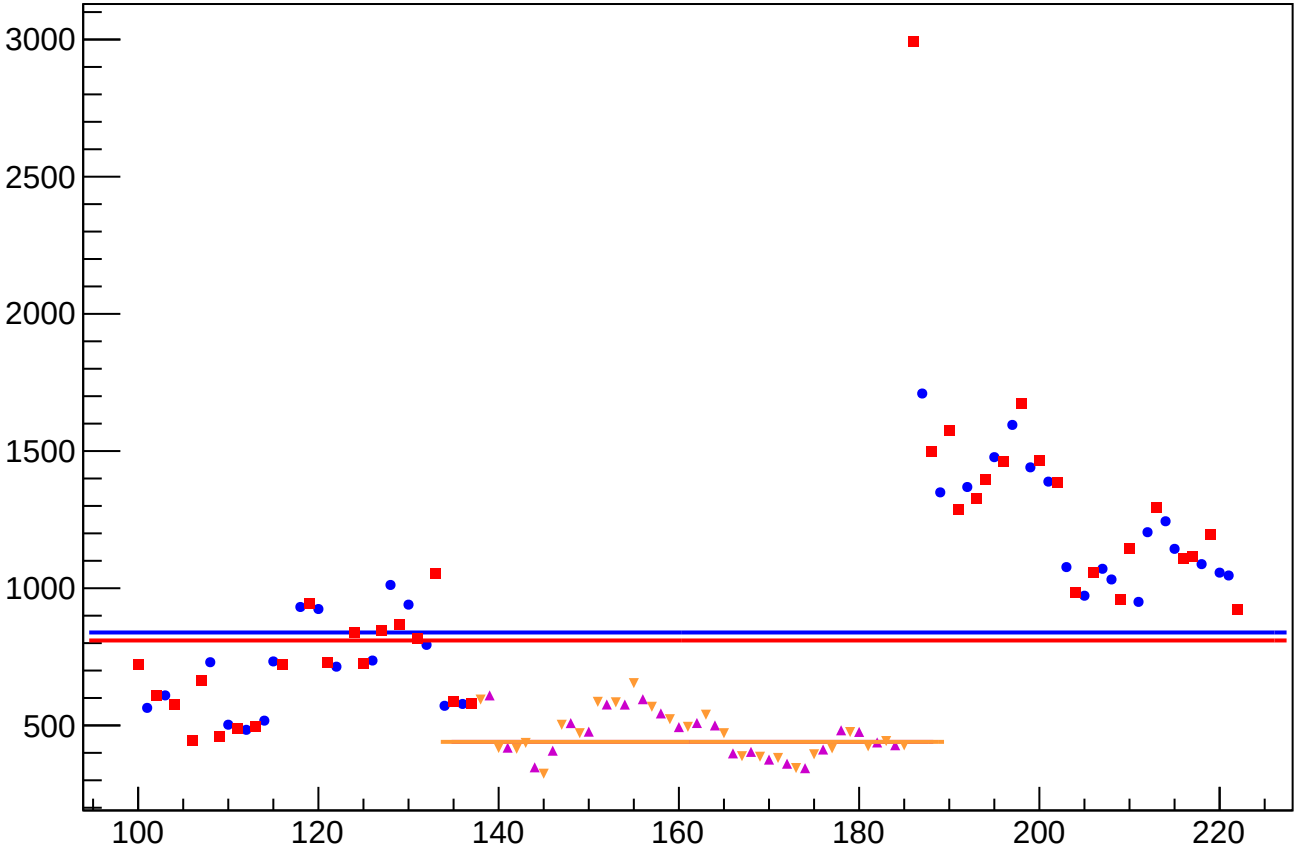
Right: -116.173+/-132.816 χ^2/NDF: 167.7/71

In: 117.446+/-91.594 χ^2/NDF:99.6/56

Out: 161.568+/-89.253 χ^2/NDF:178.6/62

All: 140.078+/-63.923 χ^2/NDF: 278.3/119

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: 809.626+/-0.131 χ^2/NDF: 6548624.8/37

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

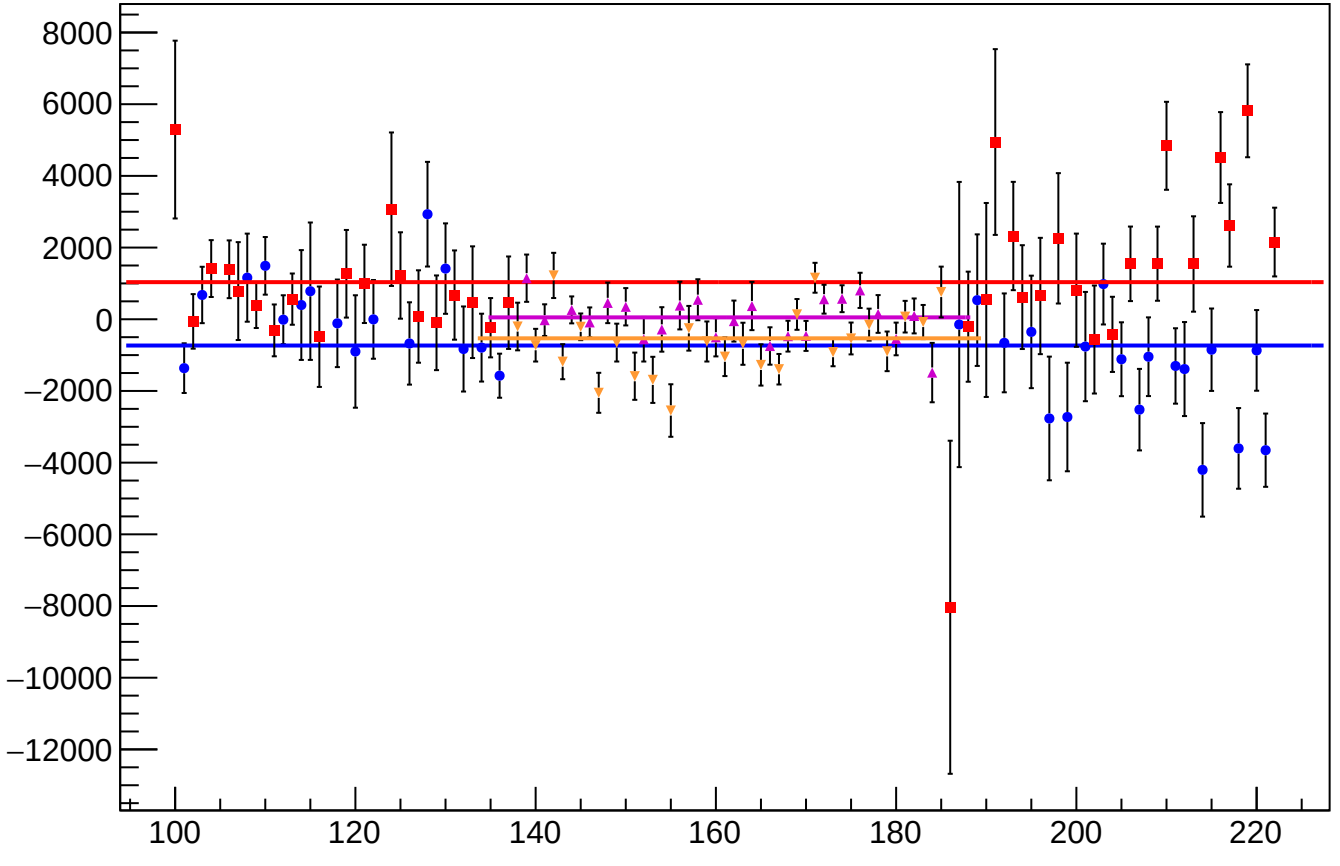
Right: 823.859+/-0.094 χ^2/NDF: 11465753.7/71

In: 532.560+/-0.065 χ^2/NDF:12720588.8/56

Out: 525.425+/-0.063 χ^2/NDF:13835656.5/62

All: 528.900+/-0.045 χ^2/NDF: 26562471.7/11

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: 1035.531+/-184.604 χ^2/NDF: 62.4/37

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

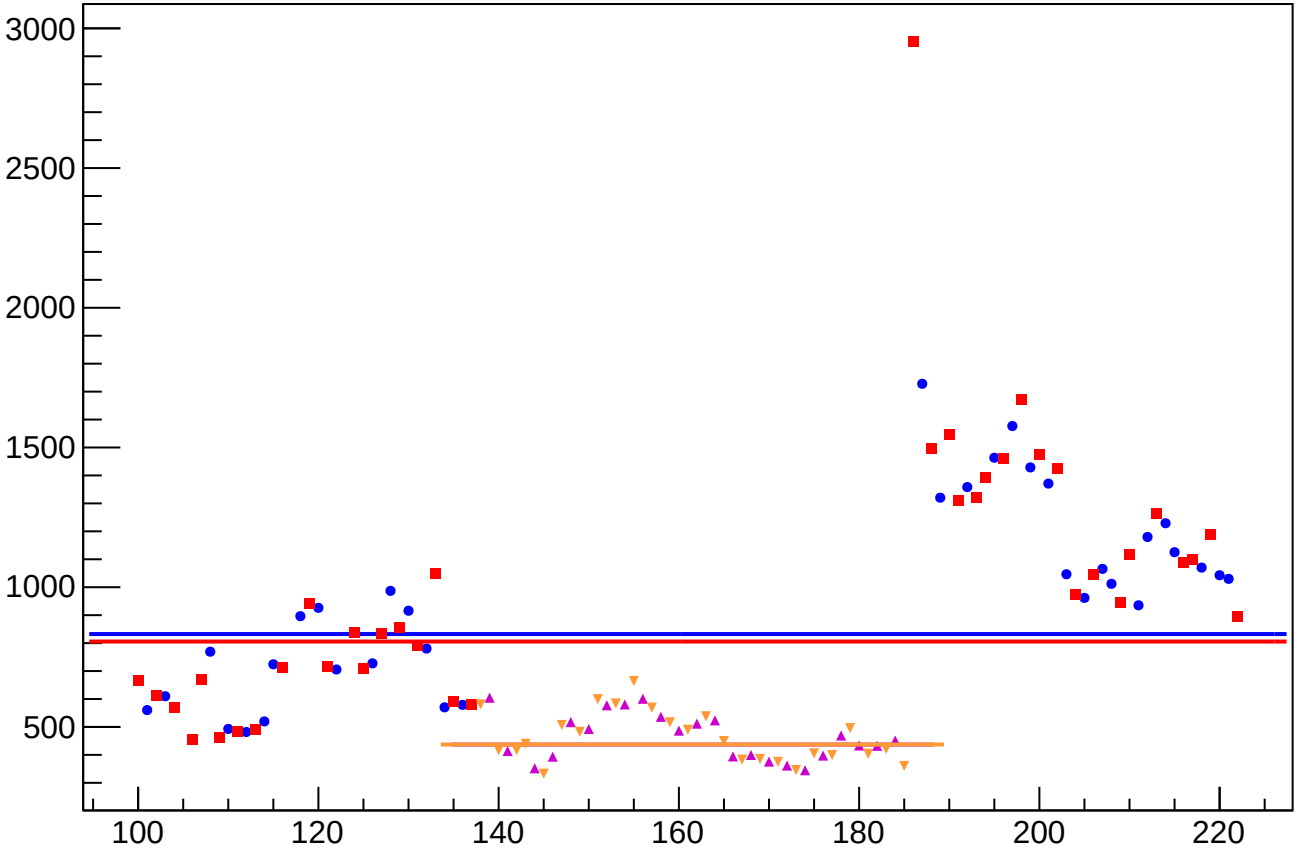
Right: 169.191+/-131.844 χ^2/NDF: 166.5/71

In: -130.570+/-90.958 χ^2/NDF:96.5/56

Out: -169.197+/-88.771 χ^2/NDF:183.4/62

All: -150.353+/-63.529 χ^2/NDF: 280.0/119

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: 805.572+/-0.131 χ^2/NDF: 6461743.3/37

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

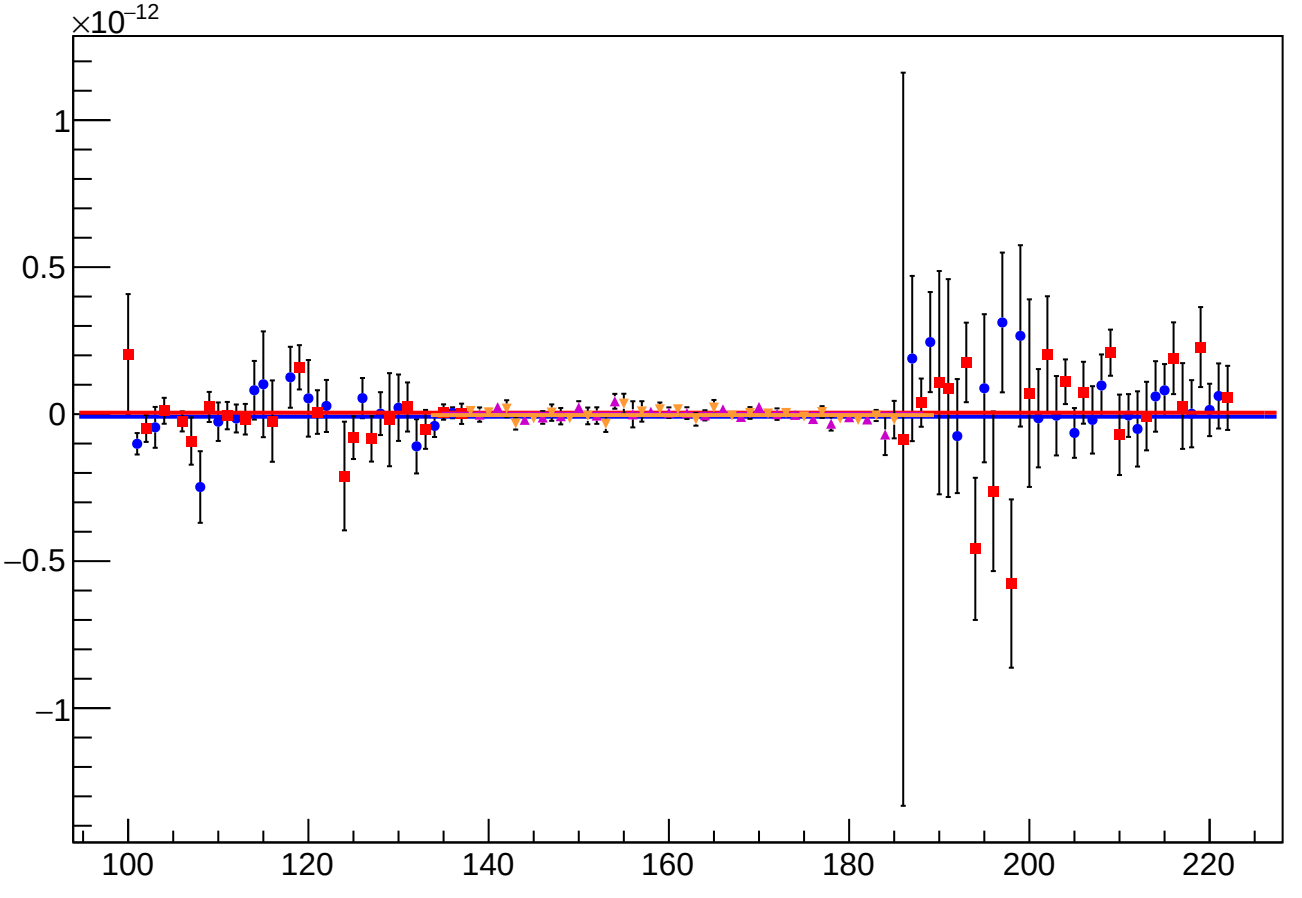
Right: 818.717+/-0.093 χ^2/NDF: 11253803.3/71

In: 529.150+/-0.064 χ^2/NDF:12611378.6/56

Out: 522.348+/-0.063 χ^2/NDF:13812911.9/62

All: 525.666+/-0.045 χ^2/NDF: 26430018.0/11

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 40.4/37

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

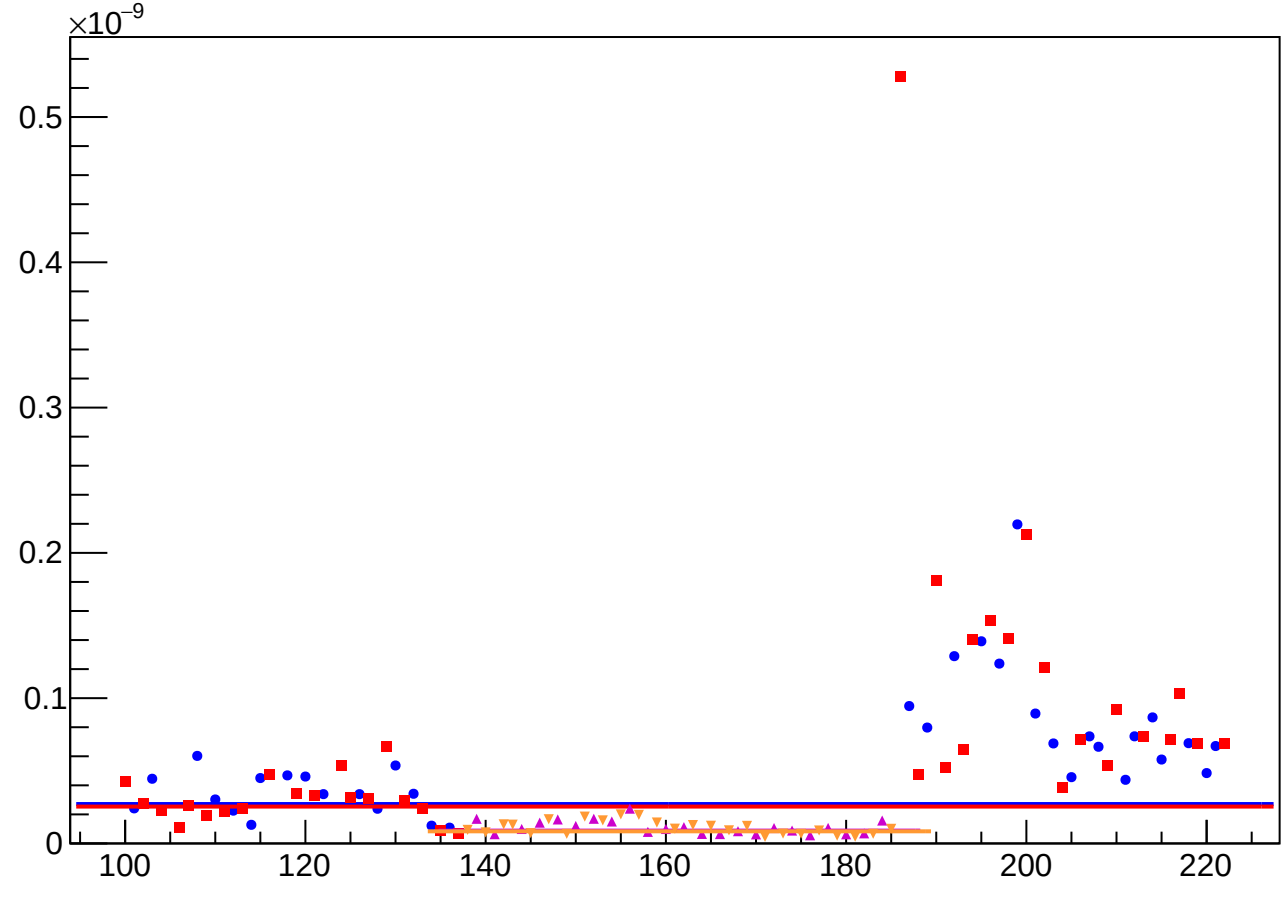
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.3/71

In: 0.000+/-0.000 χ^2/NDF:48.9/56

Out: -0.000+/-0.000 χ^2/NDF:55.2/62

All: -0.000+/-0.000 χ^2/NDF: 104.5/119



Right In: 0.000+/-0.000 χ^2/NDF: 7753034.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8370261.7/37

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

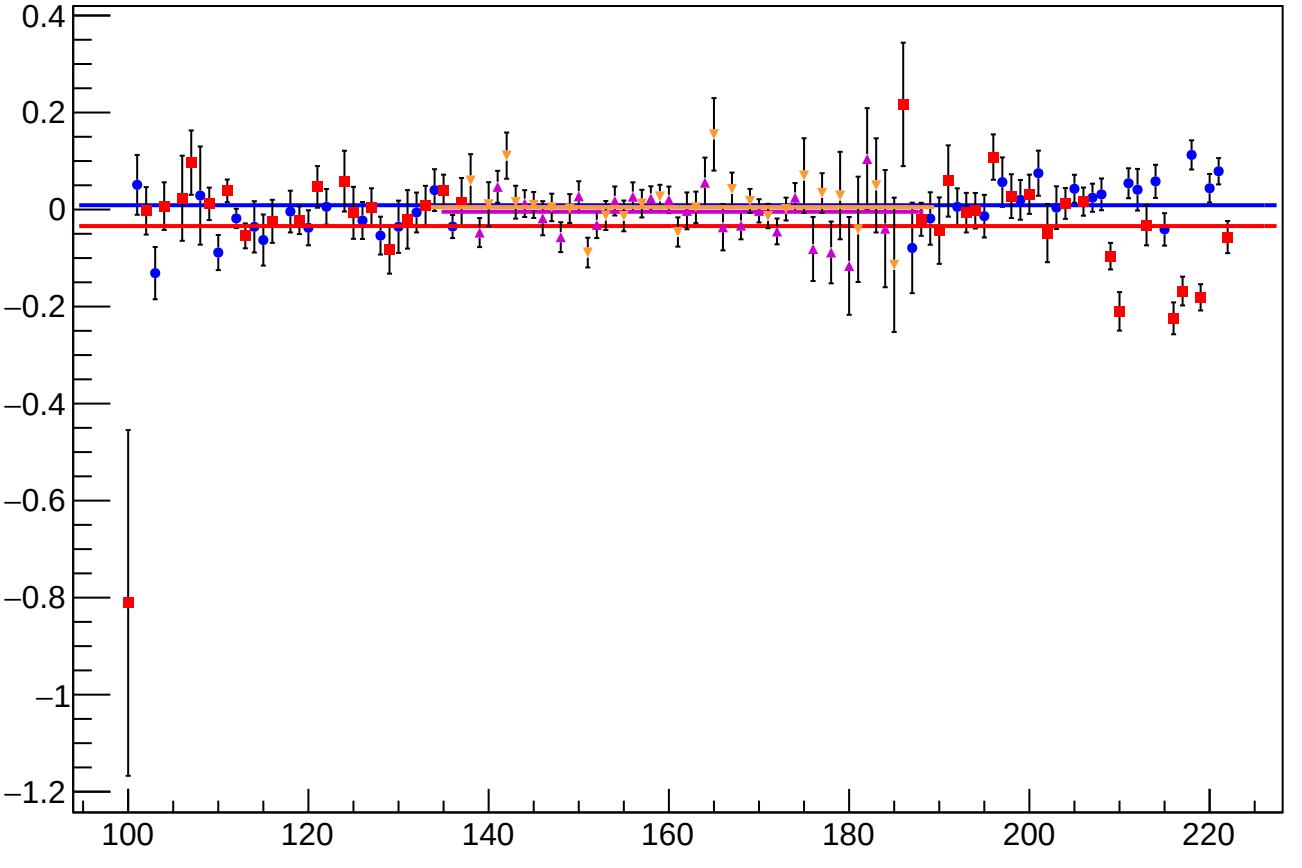
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16146755.0/71

In: 0.000+/-0.000 χ^2/NDF:13976992.9/56

Out: 0.000+/-0.000 χ^2/NDF:14752845.0/62

All: 0.000+/-0.000 χ^2/NDF: 28775476.8/119



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: -0.034+/-0.006 χ^2/NDF: 172.0/37

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

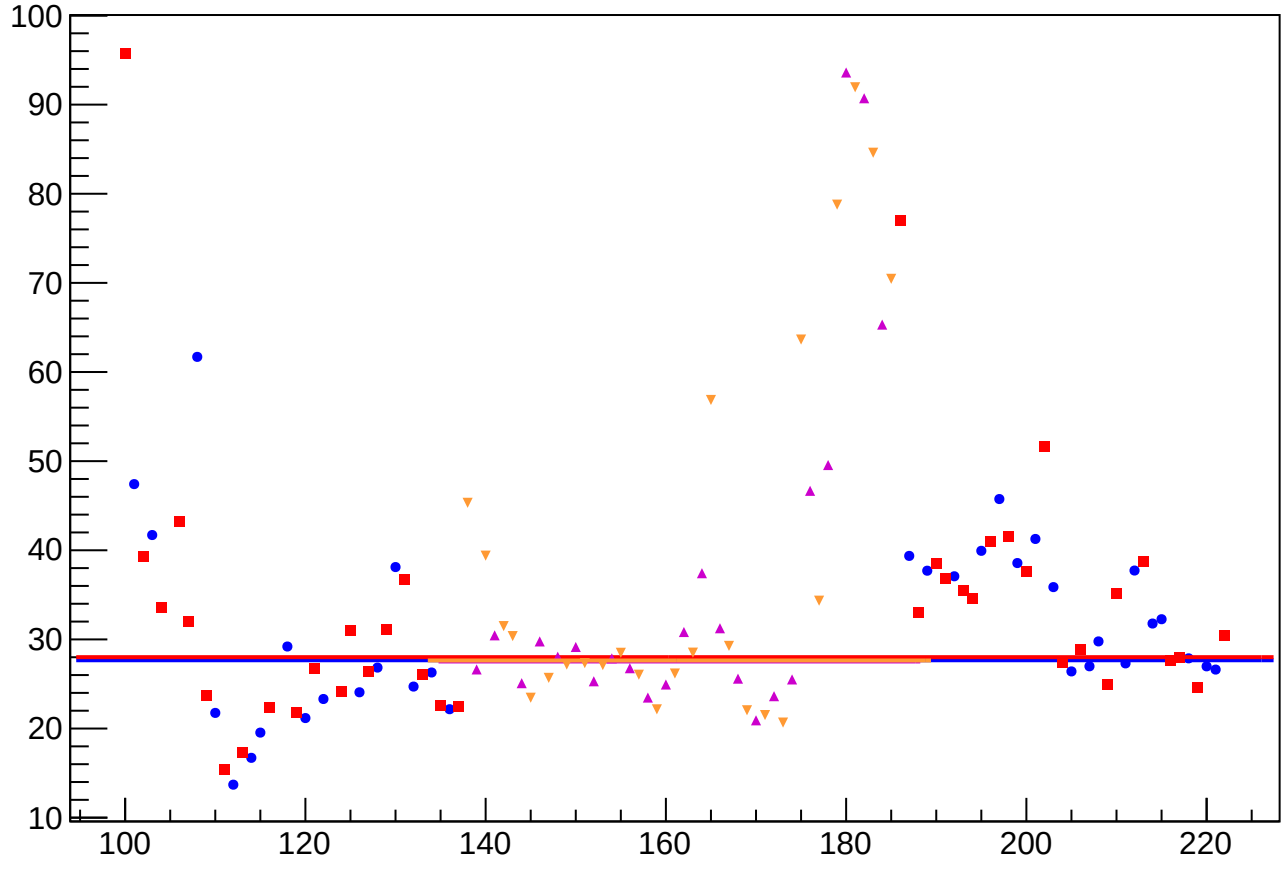
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.004 χ^2/NDF: 257.4/71

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.016+/-0.005 χ^2/NDF:218.1/62

All: -0.007+/-0.003 χ^2/NDF: 315.7/119



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: 28.008+/-0.004 χ^2/NDF: 3088616.5/37

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

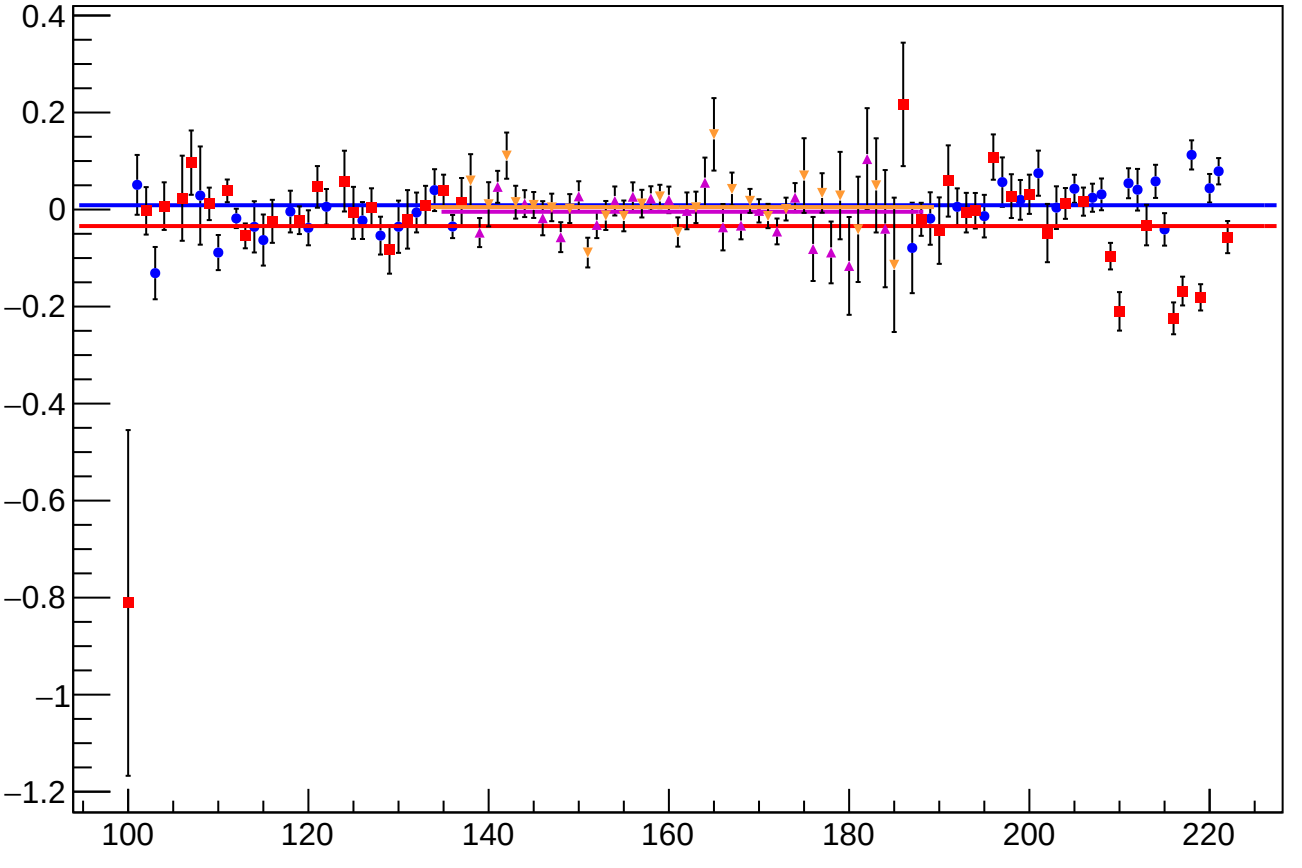
Right: 27.834+/-0.003 χ^2/NDF: 6343523.2/71

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.837+/-0.003 χ^2/NDF:7065907.5/62

All: 27.719+/-0.002 χ^2/NDF: 12955348.8/119

asym_sam_15_48_dd_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: -0.034+/-0.006 χ^2/NDF: 172.0/37

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

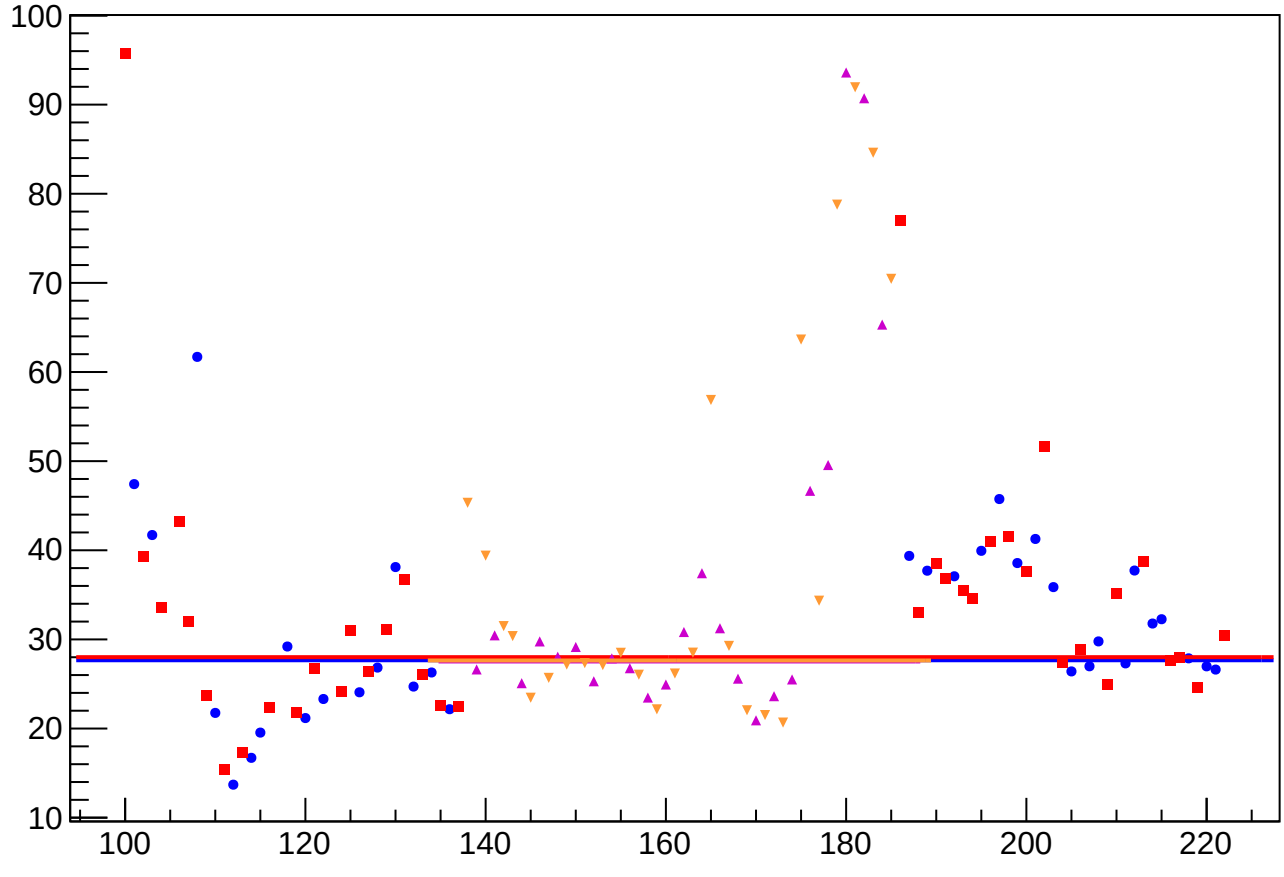
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.004 χ^2/NDF: 257.4/71

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.016+/-0.005 χ^2/NDF:218.1/62

All: -0.007+/-0.003 χ^2/NDF: 315.7/119



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: 28.008+/-0.004 χ^2/NDF: 3088616.5/37

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

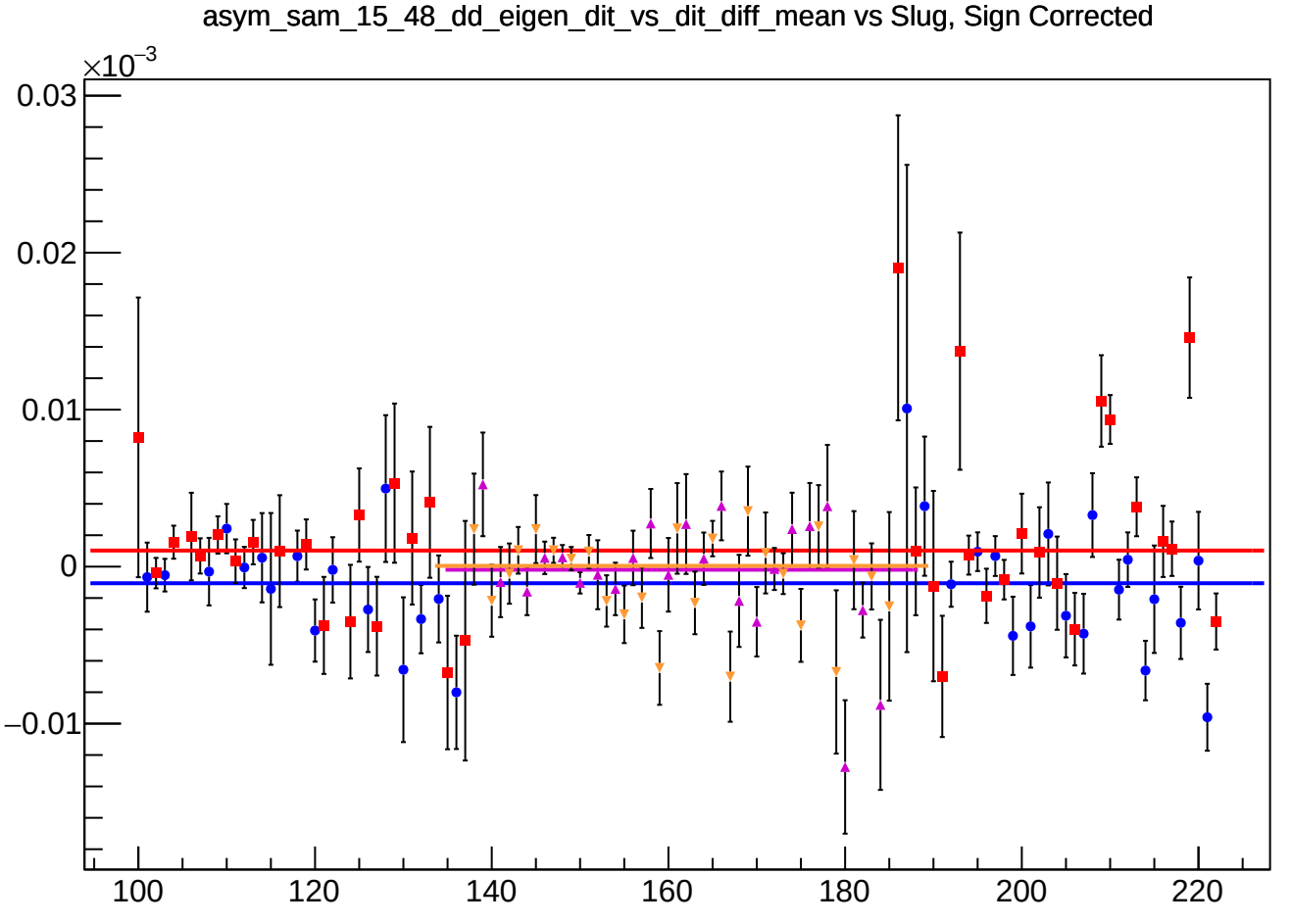
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.834+/-0.003 χ^2/NDF: 6343523.2/71

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.837+/-0.003 χ^2/NDF:7065907.5/62

All: 27.719+/-0.002 χ^2/NDF: 12955348.8/119



Right In: -0.000+/-0.000 χ^2/NDF: 60.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 97.4/37

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

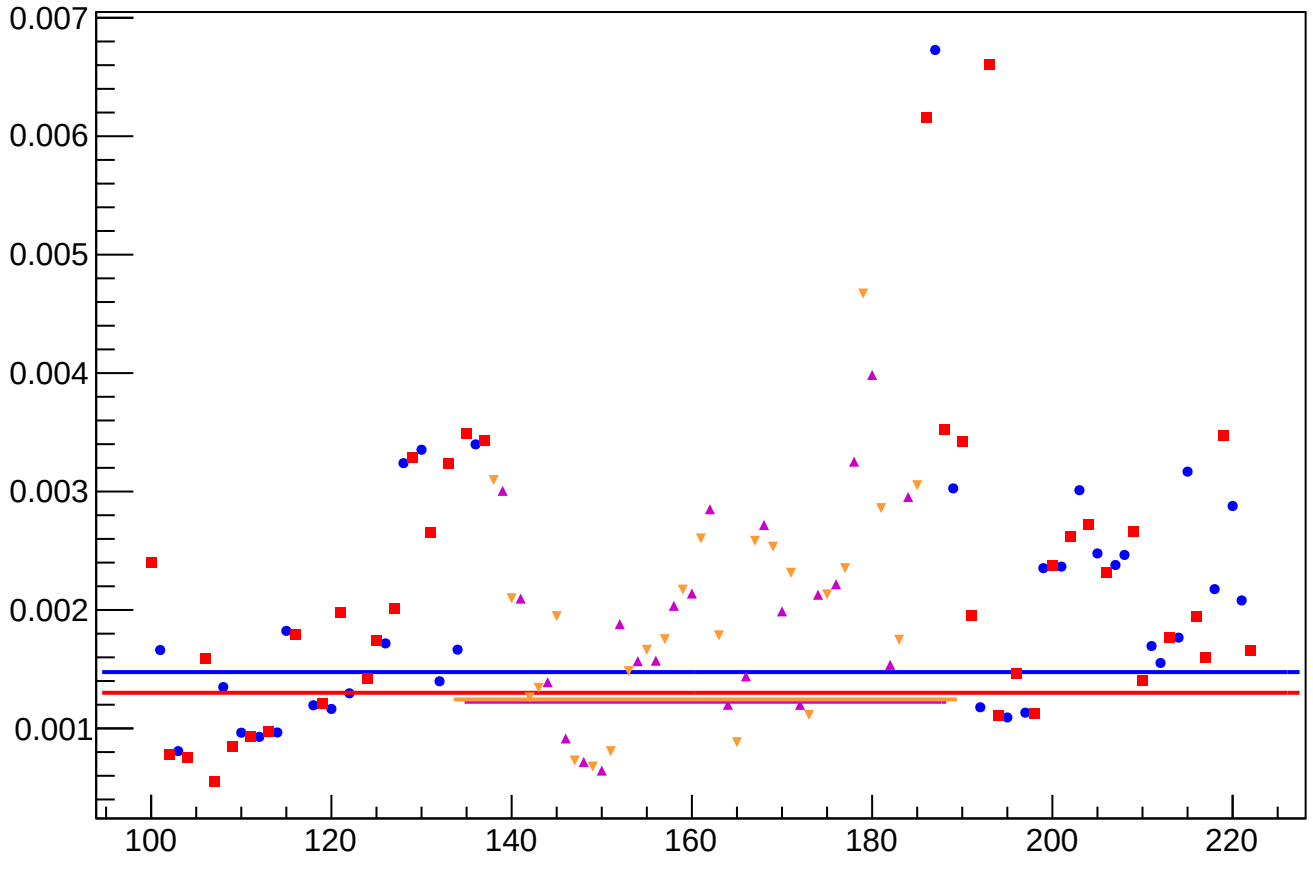
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

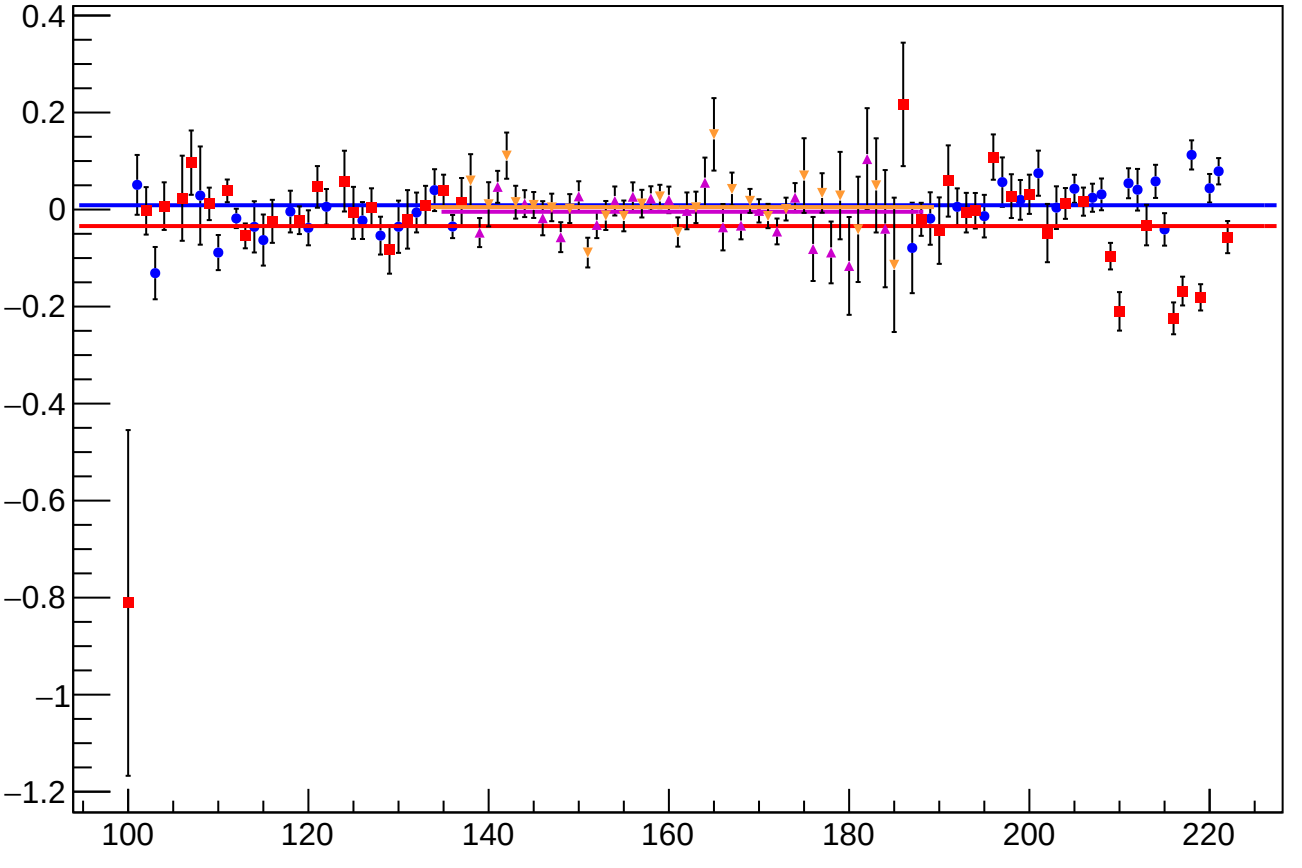
Right: 0.000+/-0.000 χ^2/NDF: 176.8/71

In: -0.000+/-0.000 χ^2/NDF:96.5/56

Out: 0.000+/-0.000 χ^2/NDF:139.0/62

All: 0.000+/-0.000 χ^2/NDF: 247.5/119


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 6762962.6/33
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 9919185.5/37
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 16167353.6/47
Right: 0.001+/-0.000 χ²/NDF: 16953431.2/71
In: 0.001+/-0.000 χ²/NDF:15124197.3/56
Out: 0.001+/-0.000 χ²/NDF:18290785.0/62
All: 0.001+/-0.000 χ²/NDF: 33504988.3/119



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: -0.034+/-0.006 χ^2/NDF: 172.0/37

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

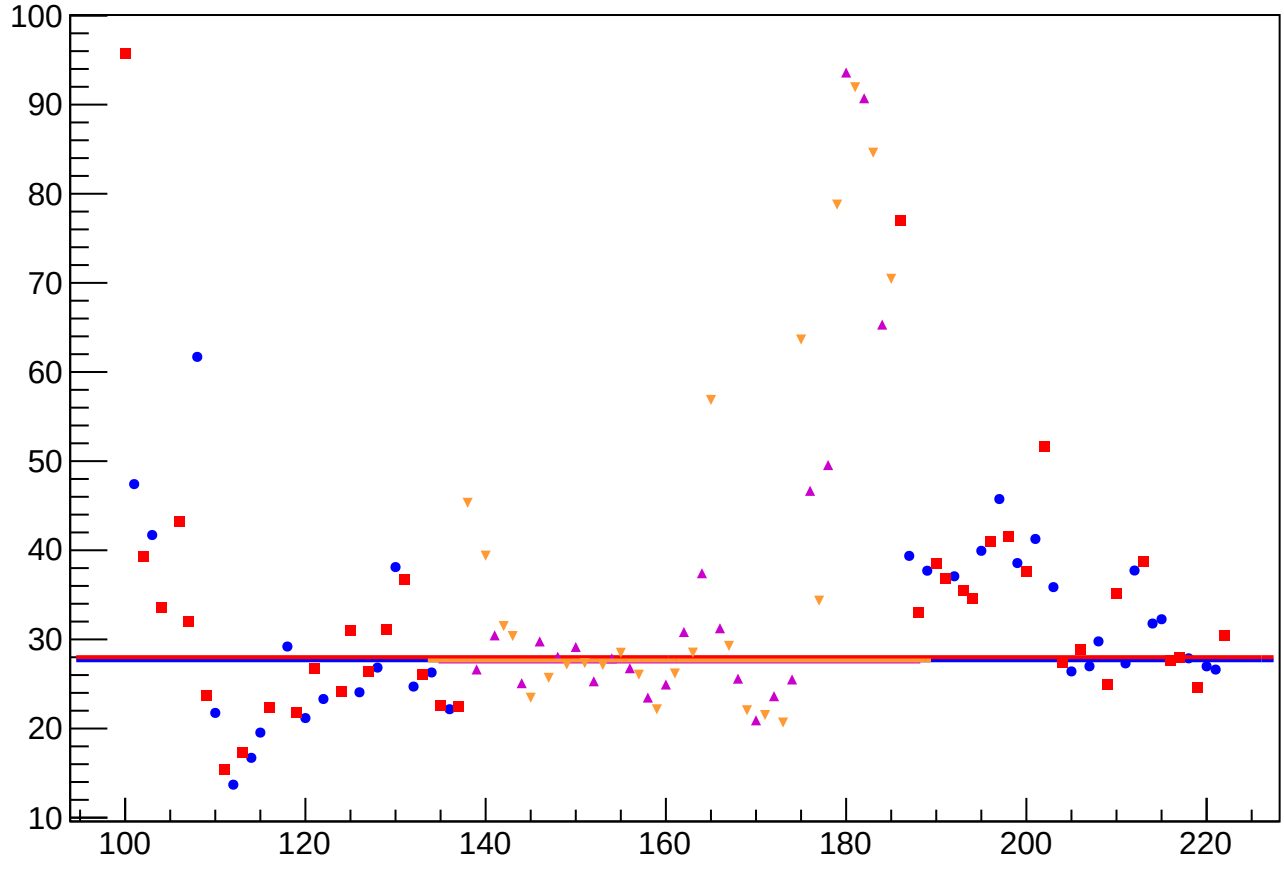
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.004 χ^2/NDF: 257.4/71

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.016+/-0.005 χ^2/NDF:218.1/62

All: -0.007+/-0.003 χ^2/NDF: 315.7/119



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: 28.007+/-0.004 χ^2/NDF: 3088721.0/37

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

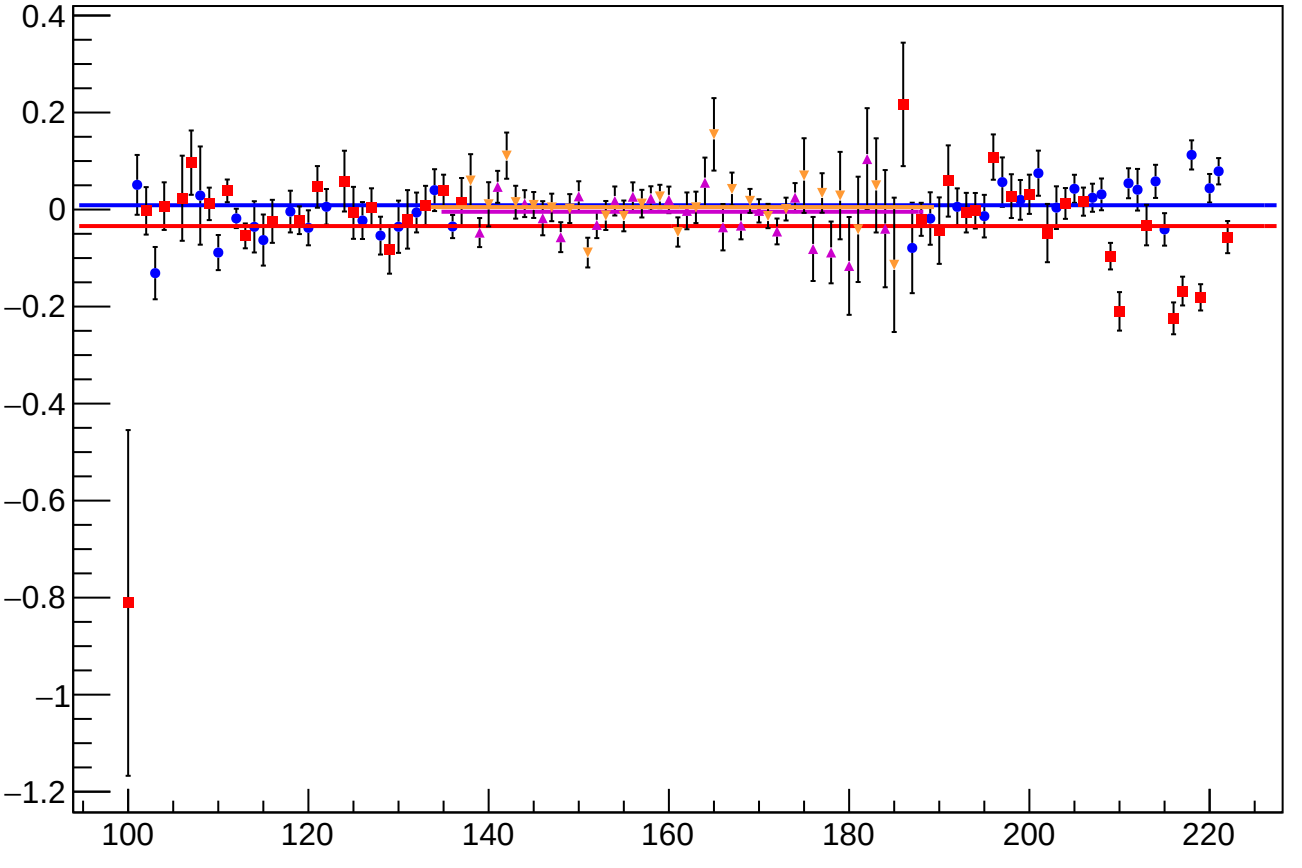
Right: 27.834+/-0.003 χ^2/NDF: 6343611.3/71

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.837+/-0.003 χ^2/NDF:7065944.9/62

All: 27.719+/-0.002 χ^2/NDF: 12955337.1/119

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: -0.034+/-0.006 χ^2/NDF: 172.0/37

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

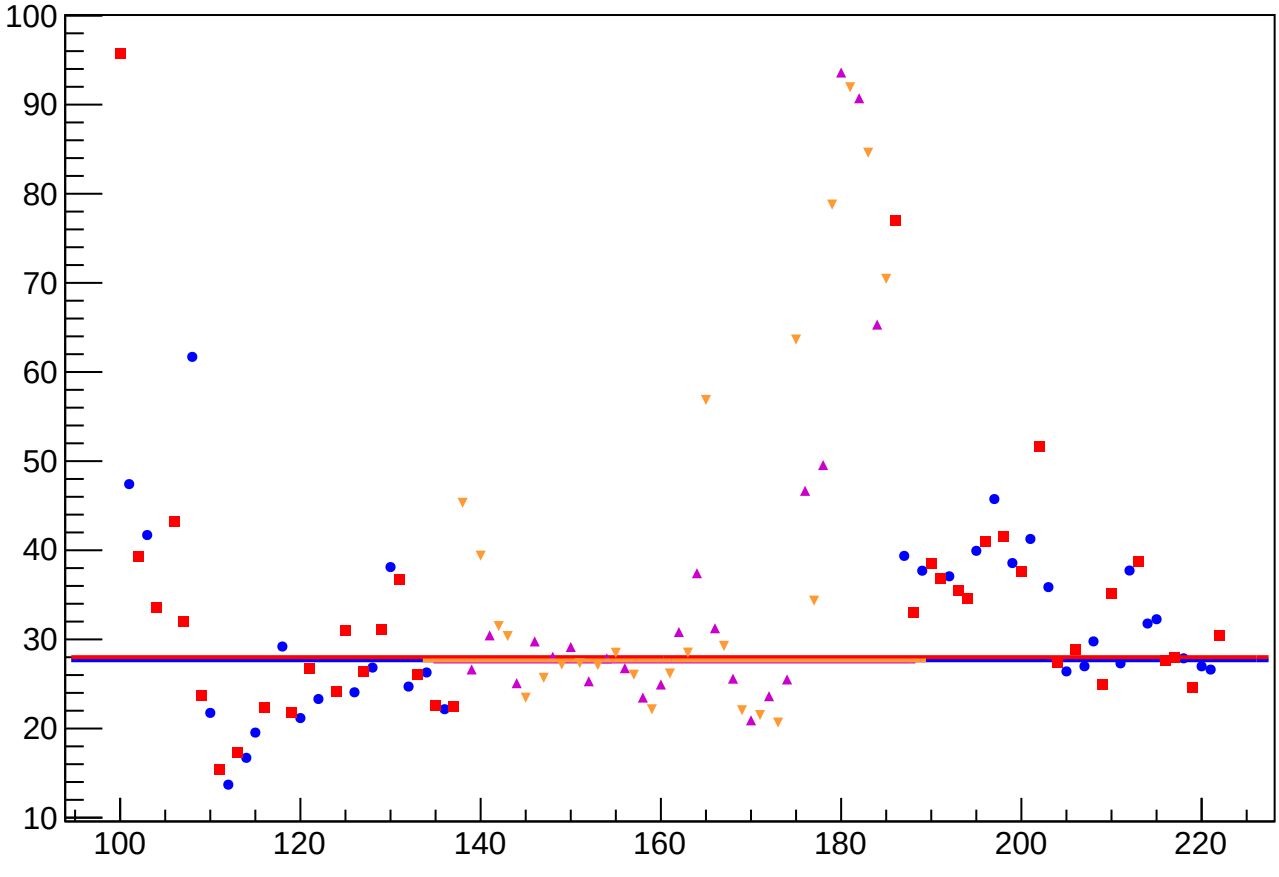
Right: -0.013+/-0.004 χ^2/NDF: 257.4/71

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.016+/-0.005 χ^2/NDF:218.1/62

All: -0.007+/-0.003 χ^2/NDF: 315.7/119

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: 28.007+/-0.004 χ^2/NDF: 3088721.0/37

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

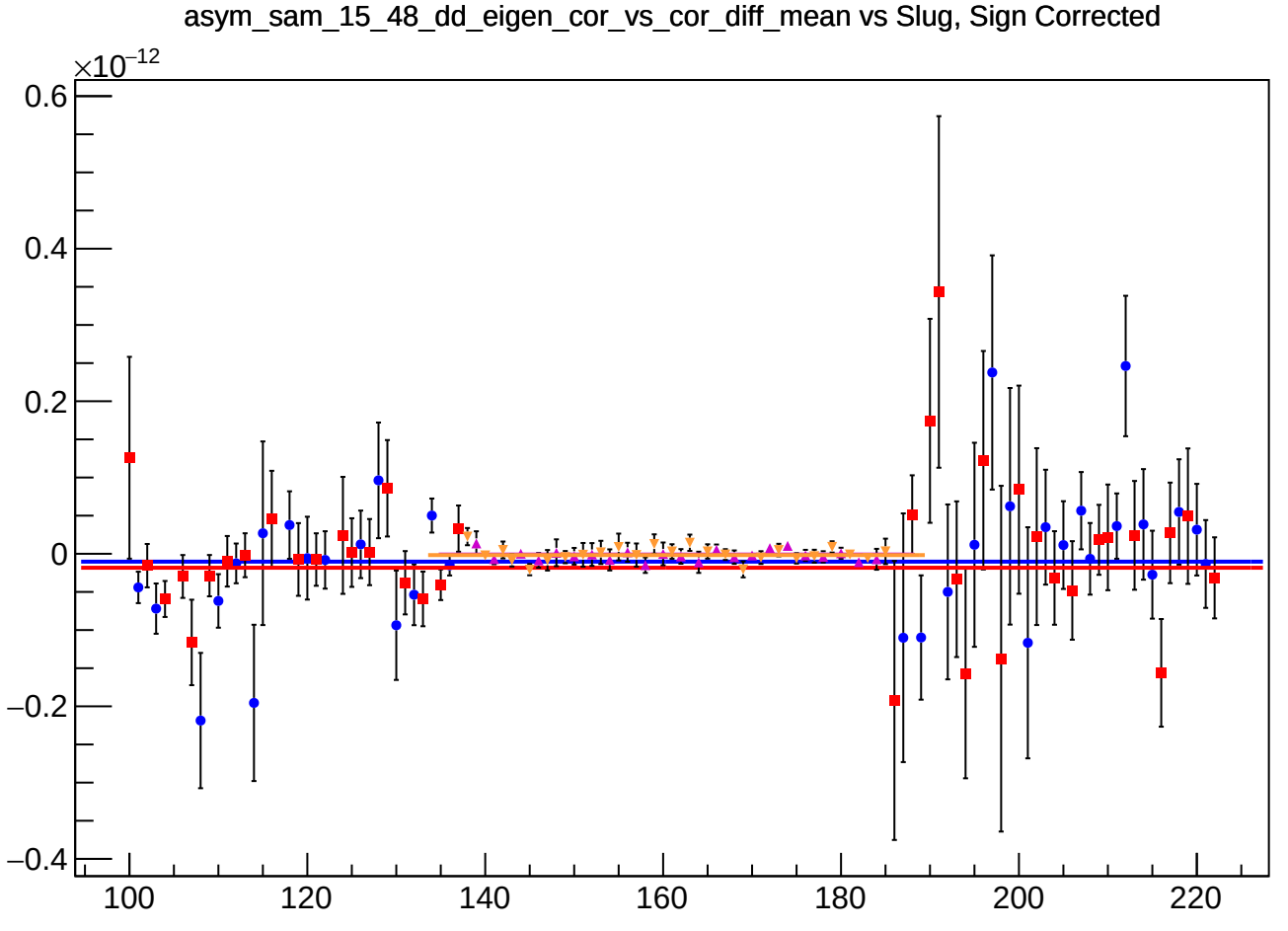
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.834+/-0.003 χ^2/NDF: 6343611.3/71

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.837+/-0.003 χ^2/NDF:7065944.9/62

All: 27.719+/-0.002 χ^2/NDF: 12955337.1/119



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: 34.9/37

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

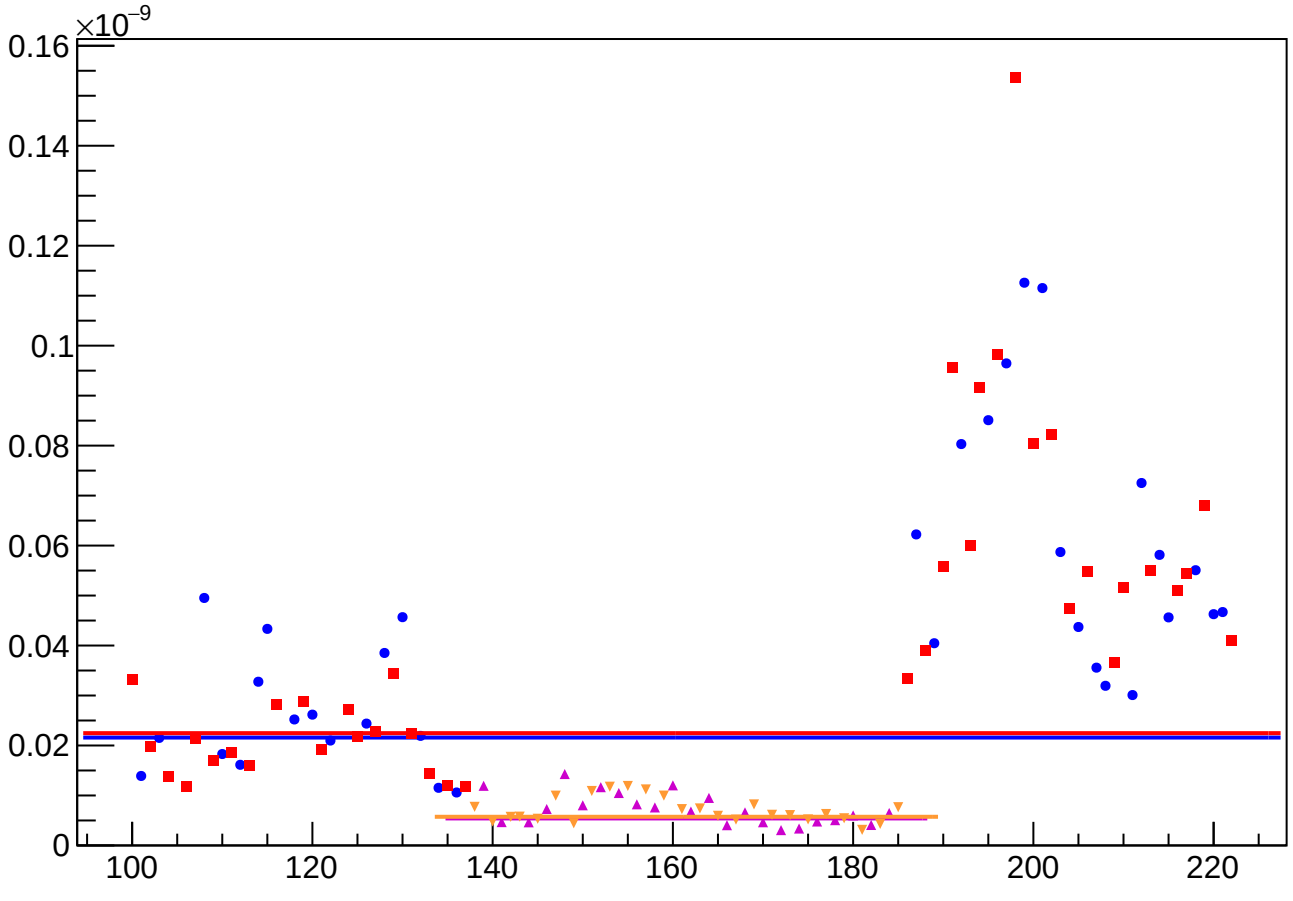
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 84.7/71

In: -0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:64.3/62

All: -0.000+/-0.000 χ^2/NDF: 131.8/119



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: 8634171.3/37

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

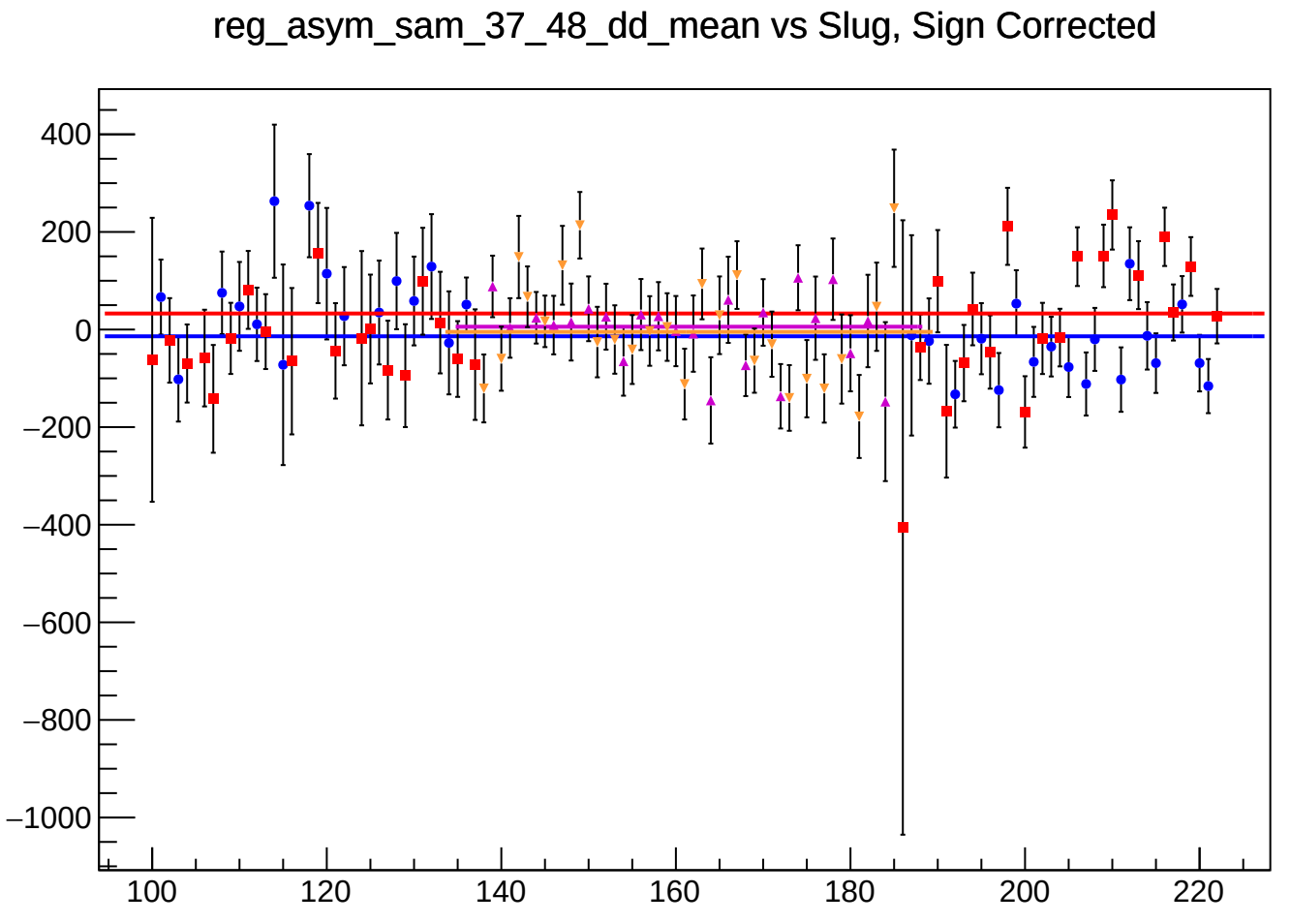
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18298820.5/71

In: 0.000+/-0.000 χ^2/NDF:23158632.5/56

Out: 0.000+/-0.000 χ^2/NDF:21440291.8/62

All: 0.000+/-0.000 χ^2/NDF: 44634924.8/119



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: 32.869+/-13.154 χ^2/NDF: 61.5/37

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

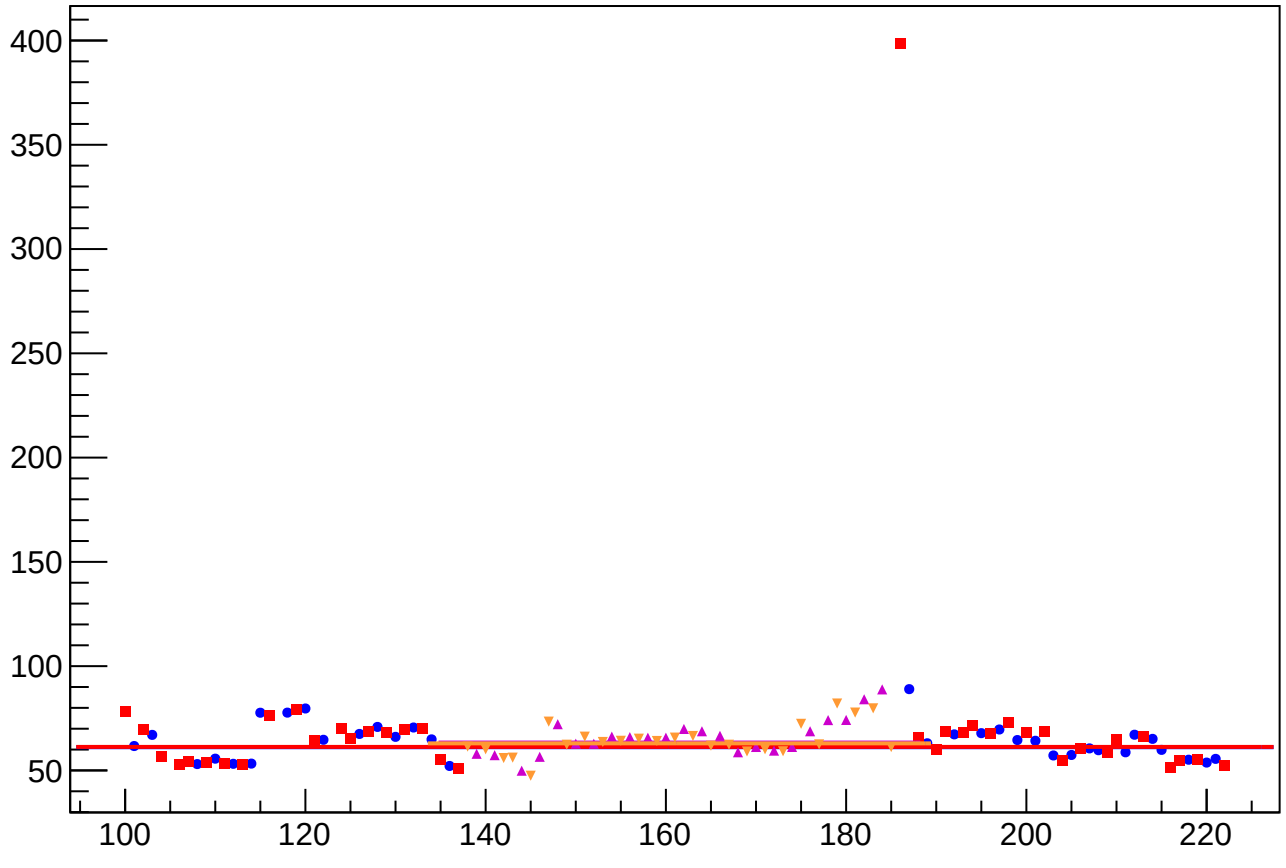
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 9.435+/-9.286 χ^2/NDF: 109.9/71

In: -5.302+/-9.852 χ^2/NDF:61.3/56

Out: 15.802+/-9.722 χ^2/NDF:112.6/62

All: 5.390+/-6.920 χ^2/NDF: 176.3/119



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: 61.274+/-0.009 χ^2/NDF: 1219825.1/37

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

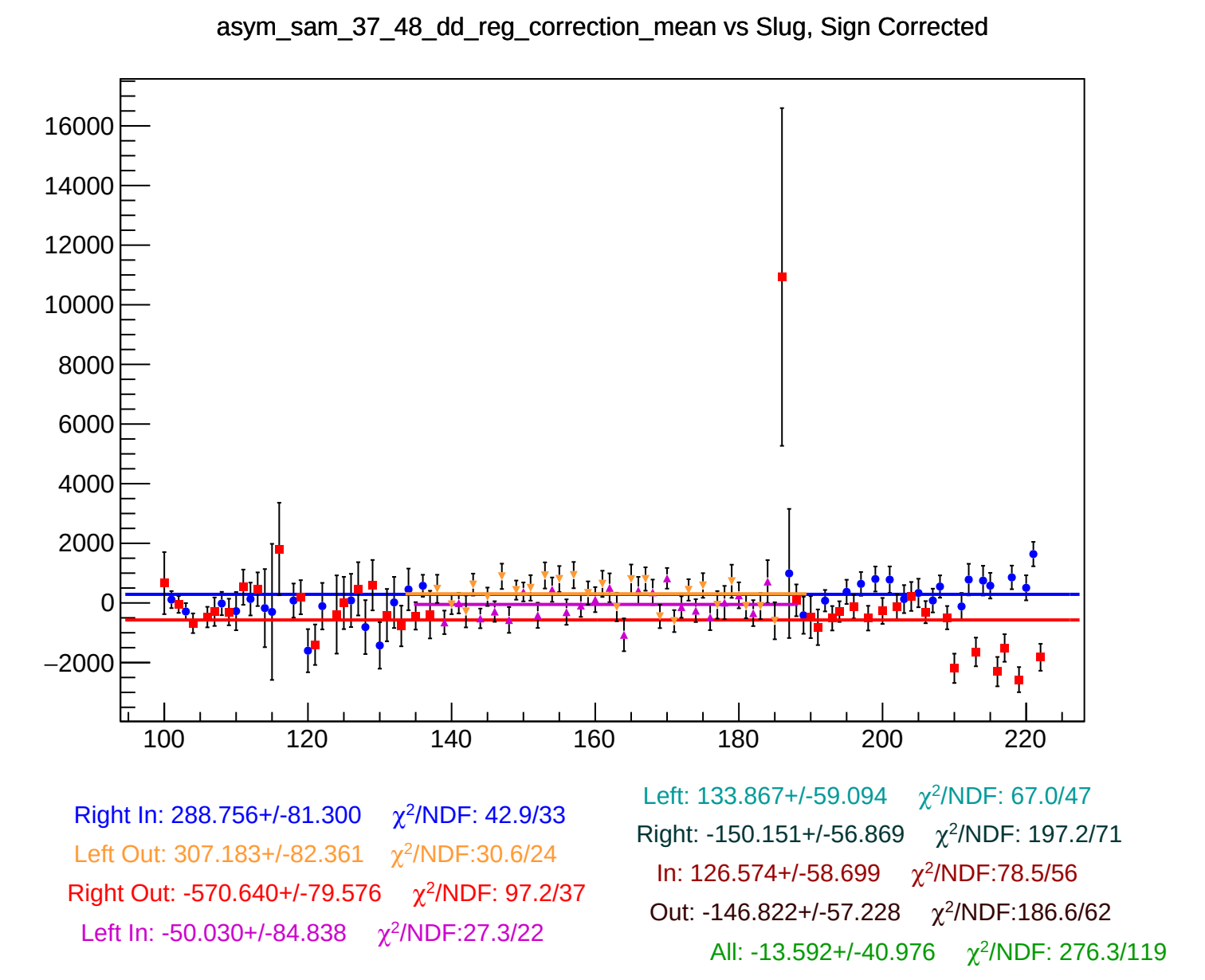
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.202+/-0.007 χ^2/NDF: 1707037.3/71

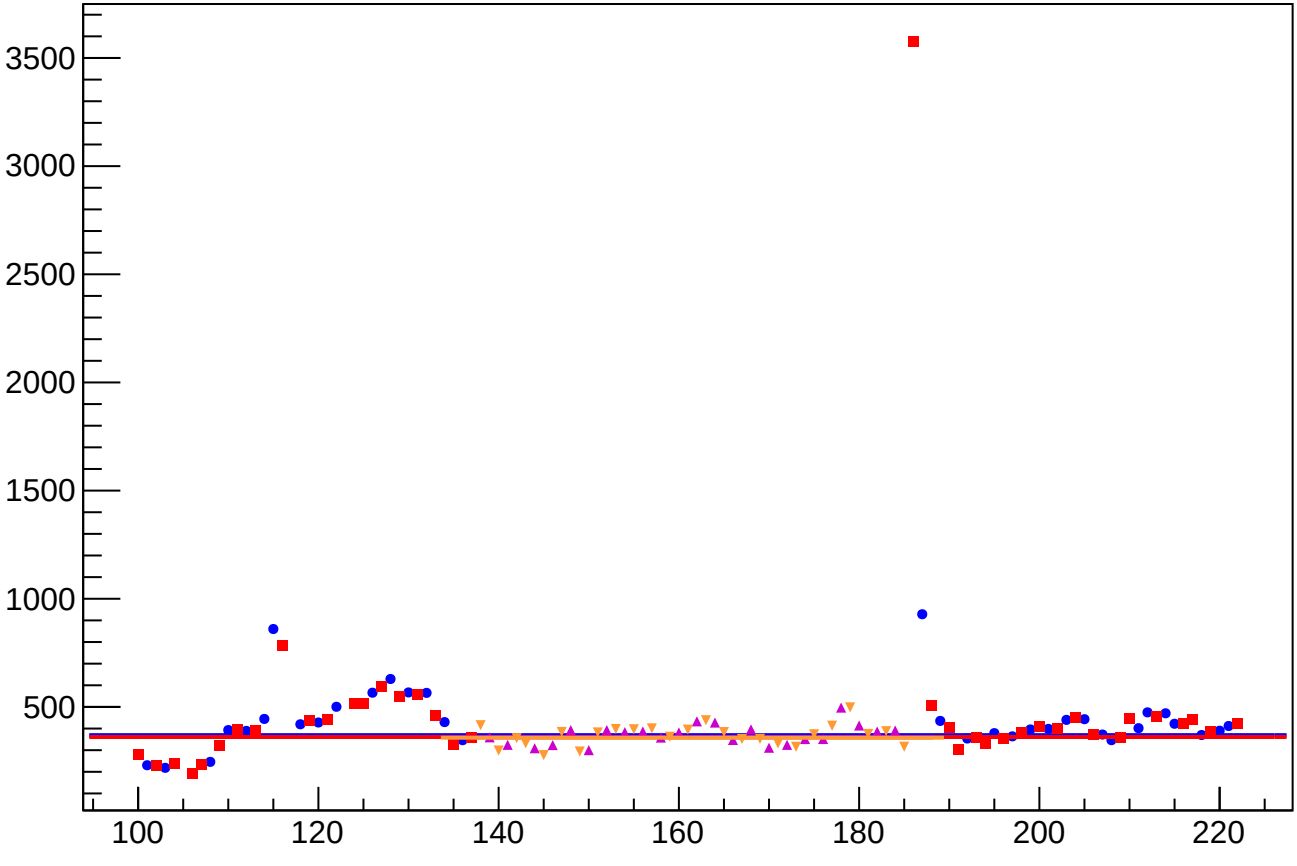
In: 62.103+/-0.007 χ^2/NDF:1009323.0/56

Out: 62.047+/-0.007 χ^2/NDF:1761874.9/62

All: 62.075+/-0.005 χ^2/NDF: 2771231.5/119


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: -570.640+/-79.576 χ²/NDF: 97.2/37
Left In: -50.030+/-84.838 χ²/NDF:27.3/22
Left: 133.867+/-59.094 χ²/NDF: 67.0/47
Right: -150.151+/-56.869 χ²/NDF: 197.2/71
In: 126.574+/-58.699 χ²/NDF:78.5/56
Out: -146.822+/-57.228 χ²/NDF:186.6/62
All: -13.592+/-40.976 χ²/NDF: 276.3/119

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: 360.924+/-0.056 χ^2/NDF: 3318829.1/37

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

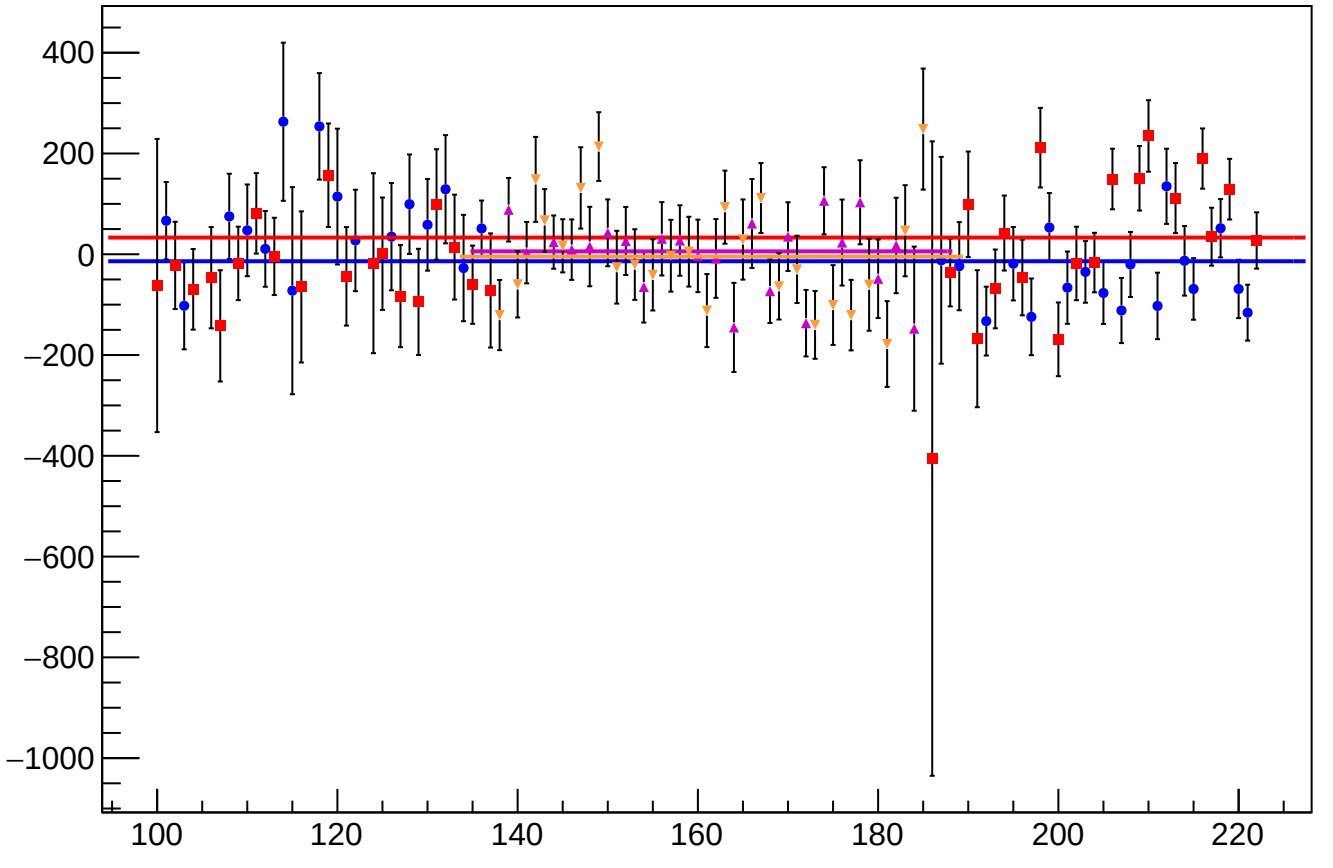
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 365.118+/-0.040 χ^2/NDF: 5792658.9/71

In: 364.638+/-0.042 χ^2/NDF:2997145.3/56

Out: 359.383+/-0.040 χ^2/NDF:4004113.7/62

All: 361.944+/-0.029 χ^2/NDF: 7009480.0/119



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: 33.119+/-13.157 χ^2/NDF: 61.3/37

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

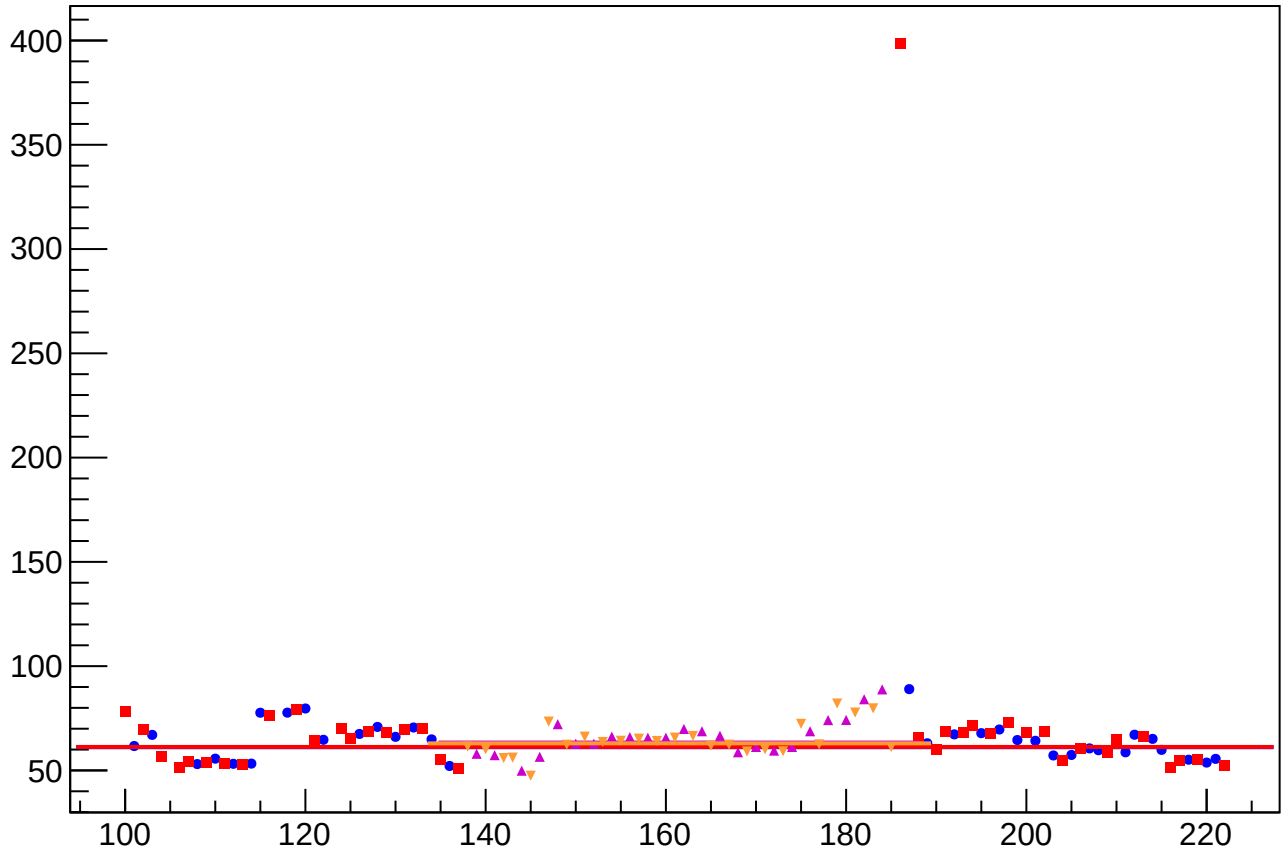
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 9.552+/-9.287 χ^2/NDF: 109.8/71

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 15.931+/-9.723 χ^2/NDF:112.4/62

All: 5.453+/-6.920 χ^2/NDF: 176.1/119



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: 61.261+/-0.009 χ^2/NDF: 1223323.8/37

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

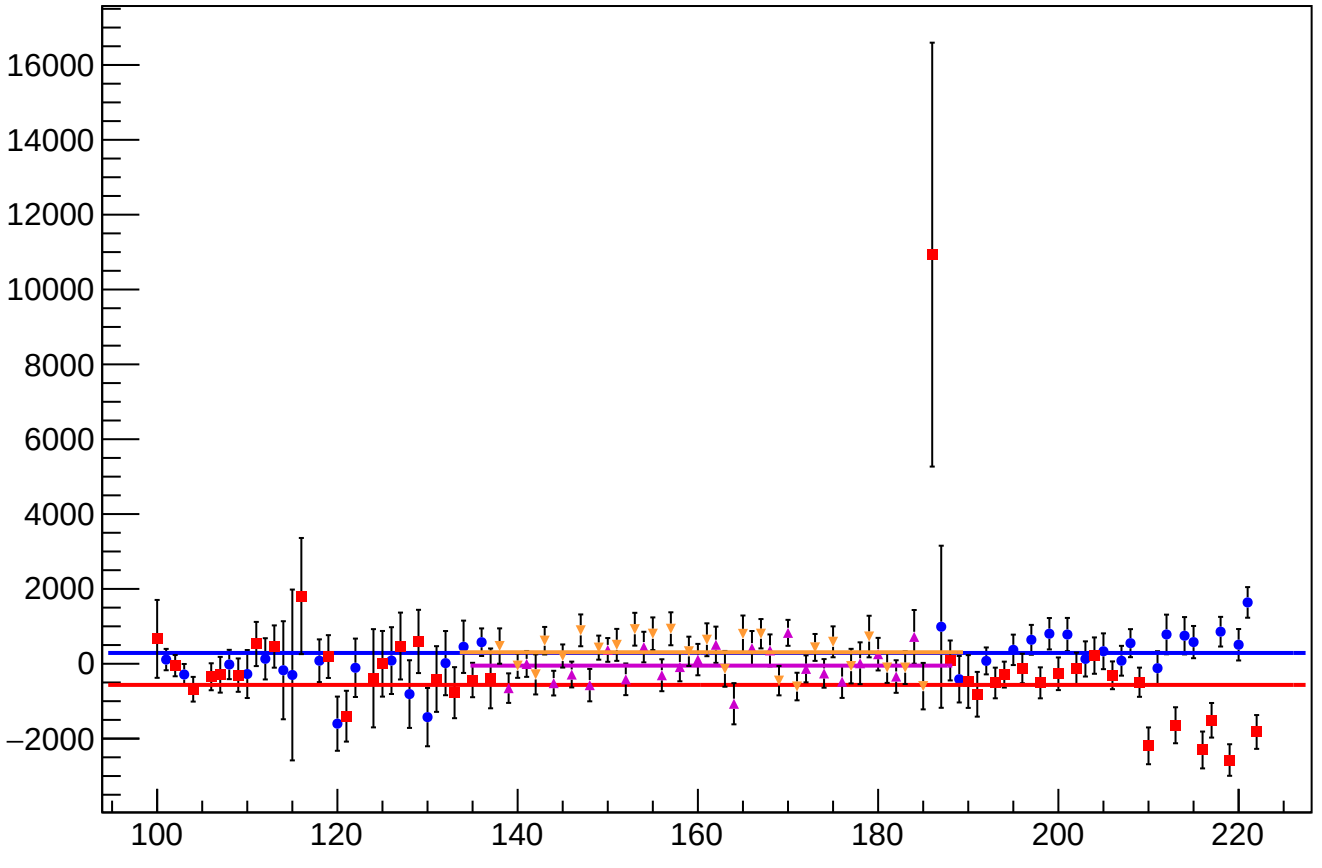
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.195+/-0.007 χ^2/NDF: 1710514.3/71

In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.039+/-0.007 χ^2/NDF:1765615.7/62

All: 62.071+/-0.005 χ^2/NDF: 2774981.7/119



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: -565.037+/-79.766 χ^2/NDF: 97.5/37

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

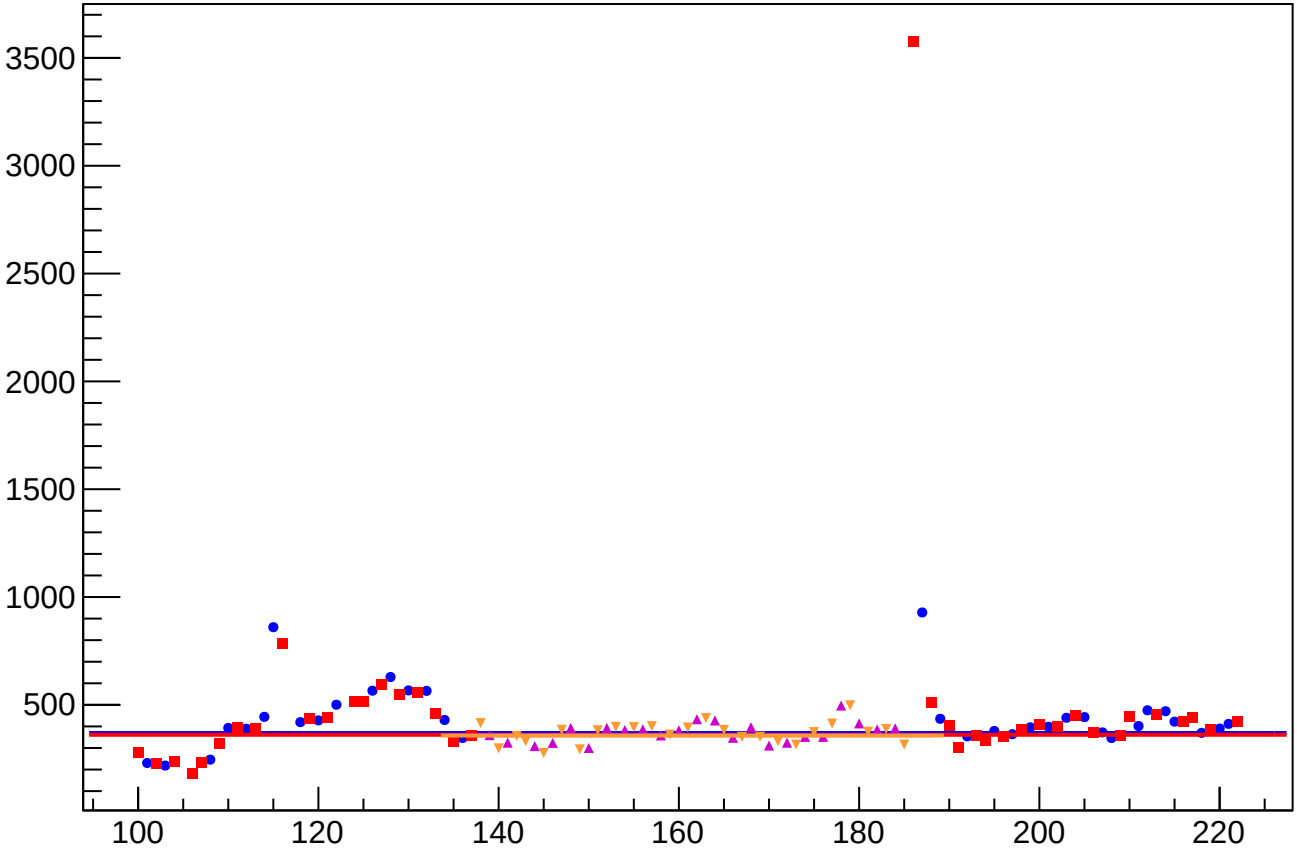
Right: -146.273+/-56.938 χ^2/NDF: 196.6/71

In: 126.577+/-58.699 χ^2/NDF:78.5/56

Out: -142.890+/-57.299 χ^2/NDF:186.0/62

All: -11.409+/-41.002 χ^2/NDF: 275.3/119

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 361.228+/-0.056 χ^2/NDF: 3331542.7/37

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

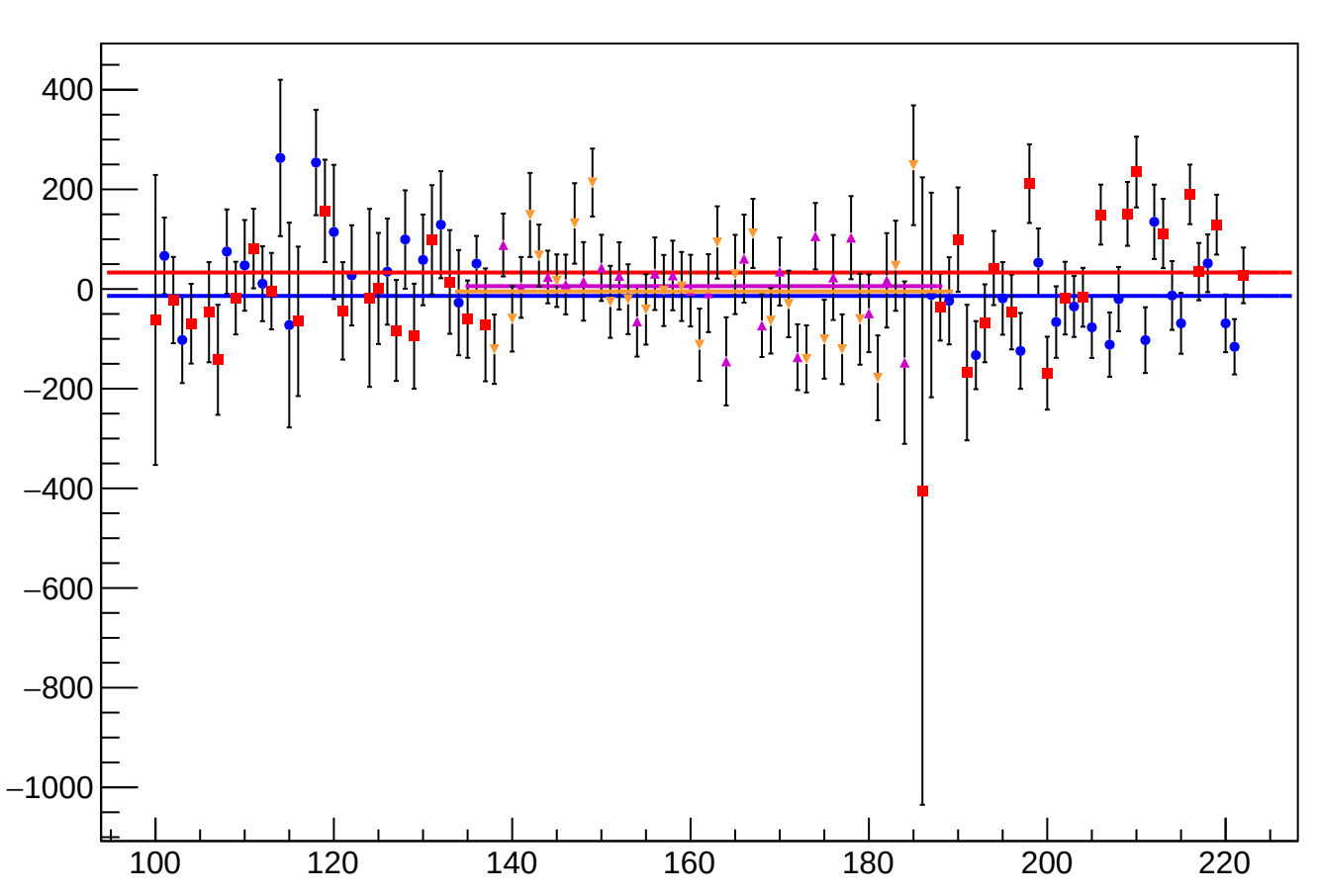
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 365.284+/-0.040 χ^2/NDF: 5804466.7/71

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 359.536+/-0.041 χ^2/NDF:4017129.3/62

All: 362.026+/-0.029 χ^2/NDF: 7021929.9/119



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: 33.119+/-13.157 χ^2/NDF: 61.3/37

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

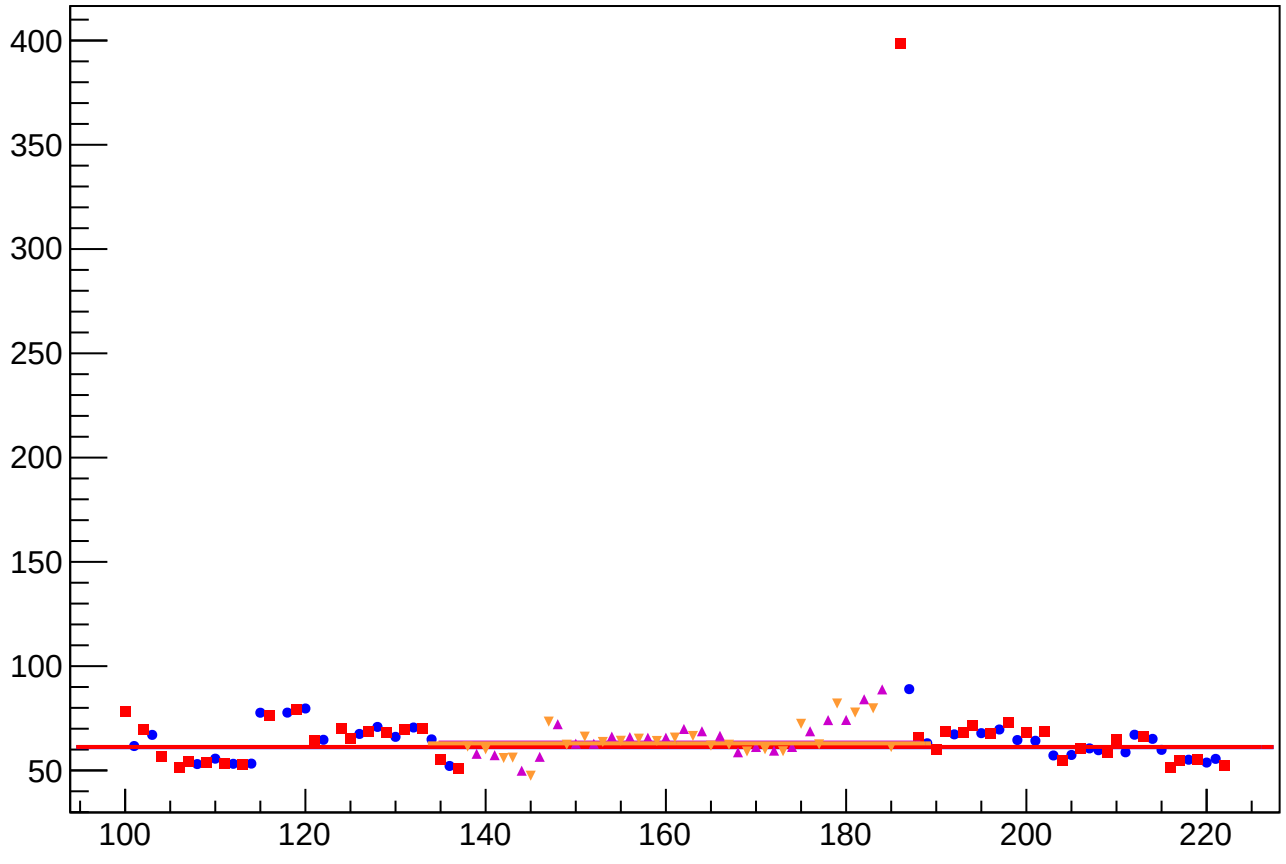
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 9.552+/-9.287 χ^2/NDF: 109.8/71

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 15.931+/-9.723 χ^2/NDF:112.4/62

All: 5.453+/-6.920 χ^2/NDF: 176.1/119



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: 61.261+/-0.009 χ^2/NDF: 1223323.8/37

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

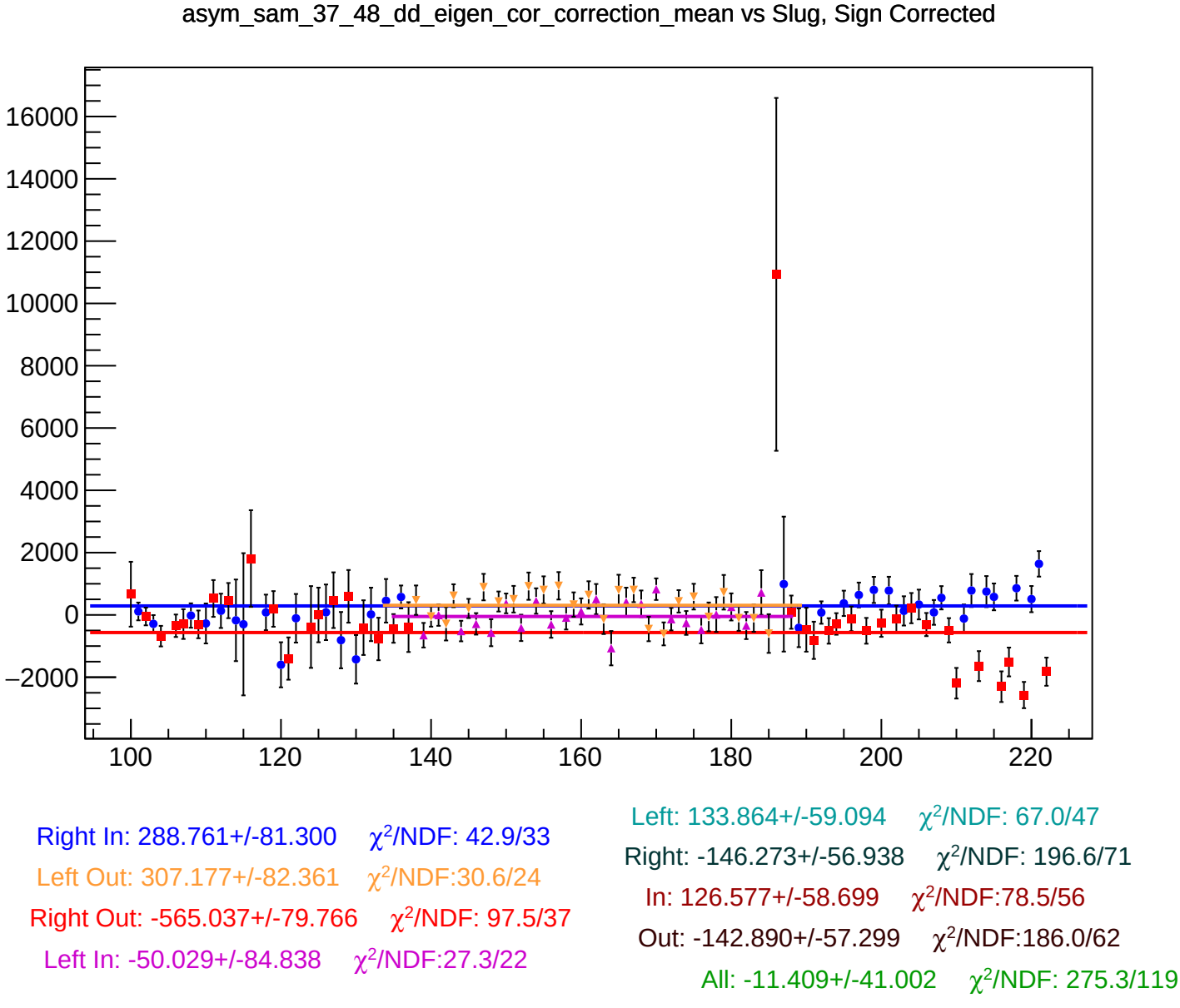
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.195+/-0.007 χ^2/NDF: 1710514.3/71

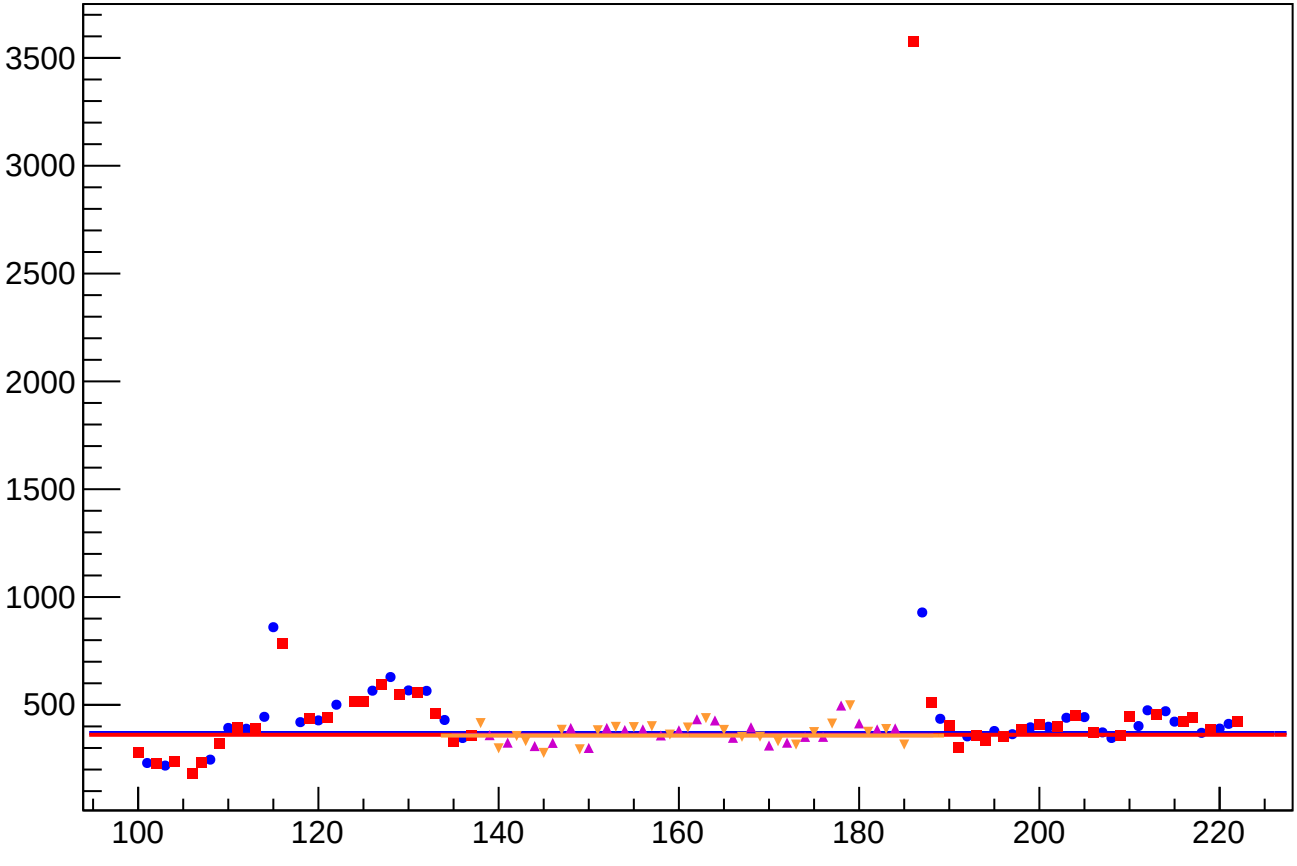
In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.039+/-0.007 χ^2/NDF:1765615.7/62

All: 62.071+/-0.005 χ^2/NDF: 2774981.7/119


asym_sam_37_48_dd_eigen_cor_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: 288.761+/-81.300 χ²/NDF: 42.9/33
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -565.037+/-79.766 χ²/NDF: 97.5/37
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -146.273+/-56.938 χ²/NDF: 196.6/71
In: 126.577+/-58.699 χ²/NDF:78.5/56
Out: -142.890+/-57.299 χ²/NDF:186.0/62
All: -11.409+/-41.002 χ²/NDF: 275.3/119

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 361.228+/-0.056 χ^2/NDF: 3331542.7/37

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

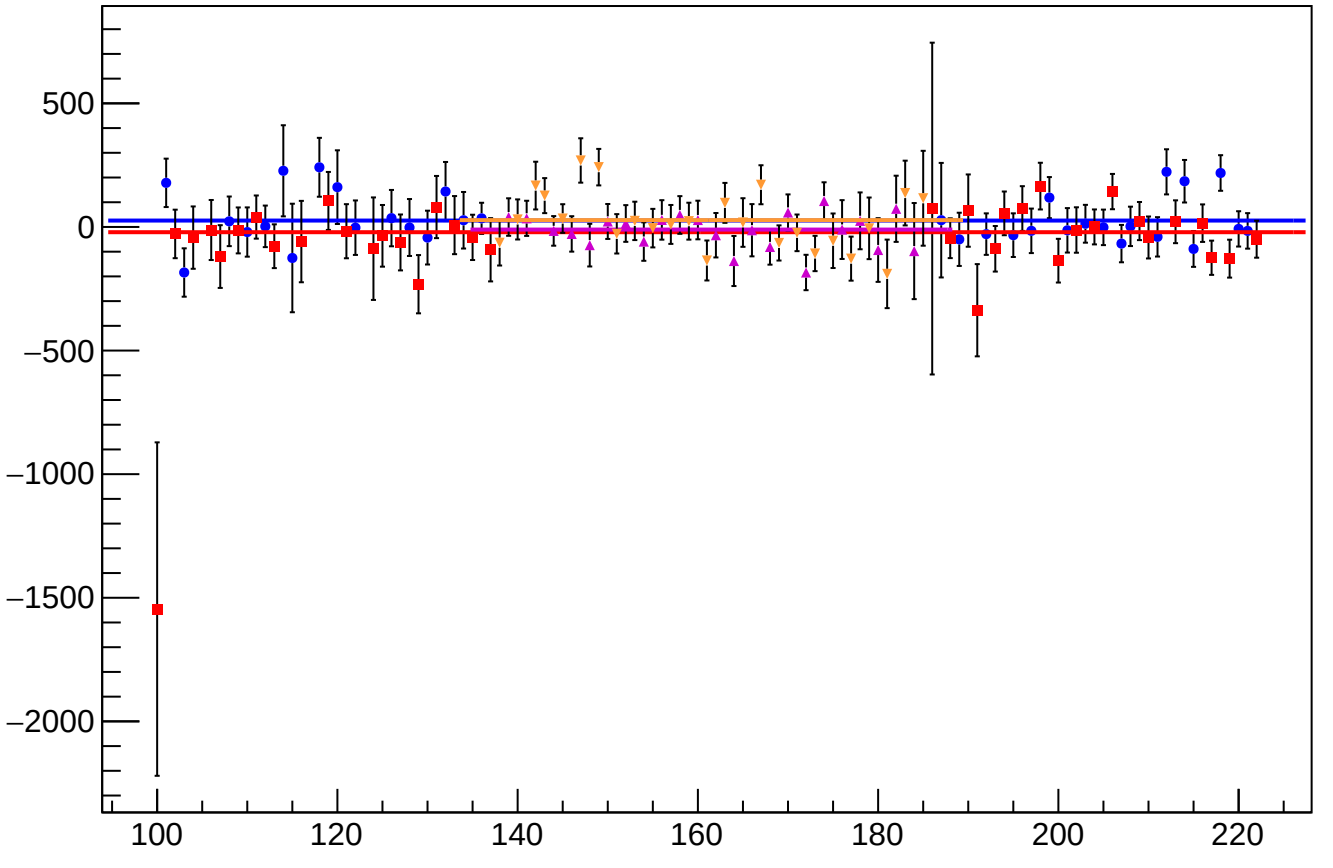
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 365.284+/-0.040 χ^2/NDF: 5804466.7/71

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 359.536+/-0.041 χ^2/NDF:4017129.3/62

All: 362.026+/-0.029 χ^2/NDF: 7021929.9/119



Right In: 25.903+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -21.195+/-15.919 χ^2/NDF: 34.3/37

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

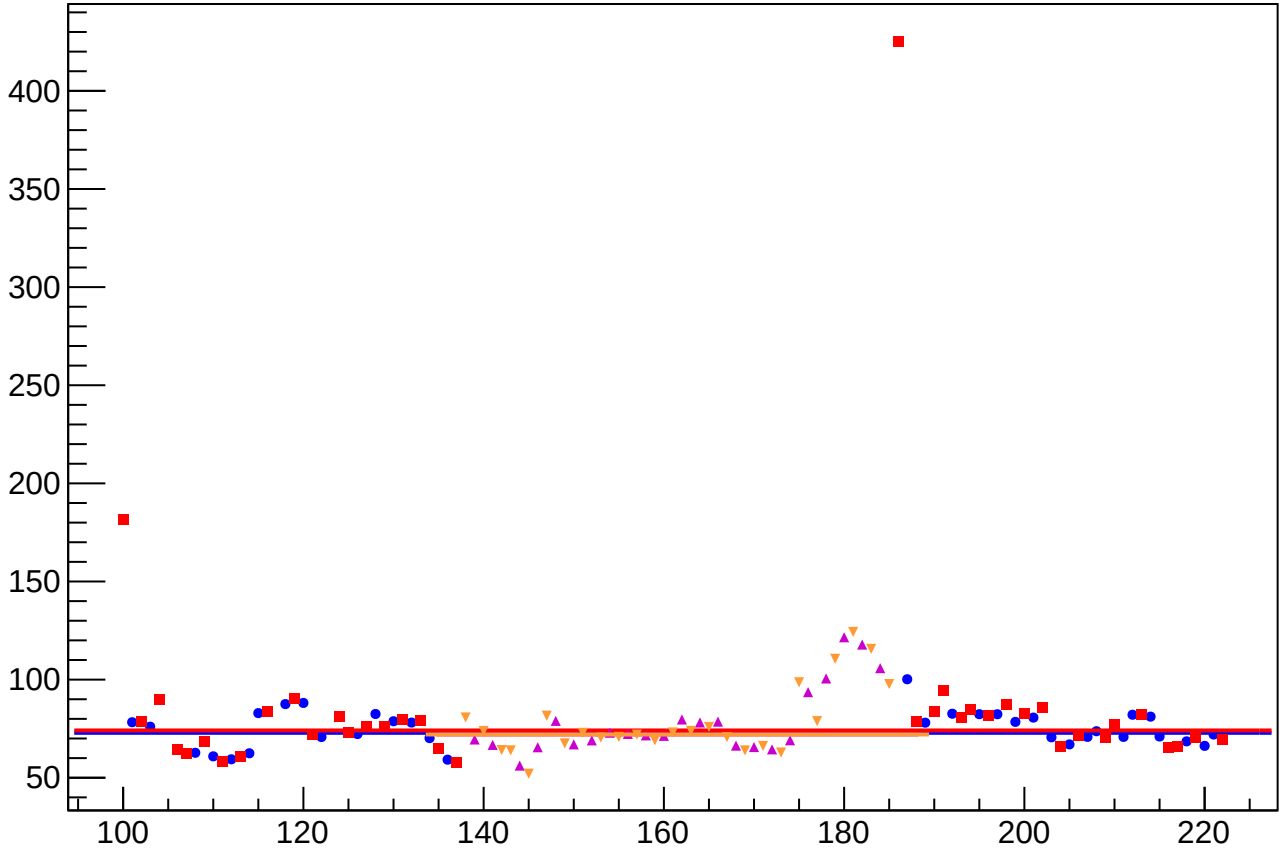
Right: 2.754+/-11.160 χ^2/NDF: 77.2/71

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 1.986+/-11.536 χ^2/NDF:81.1/62

All: 5.694+/-8.174 χ^2/NDF: 138.3/119

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 74.094+/-0.011 χ^2/NDF: 1195875.1/37

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

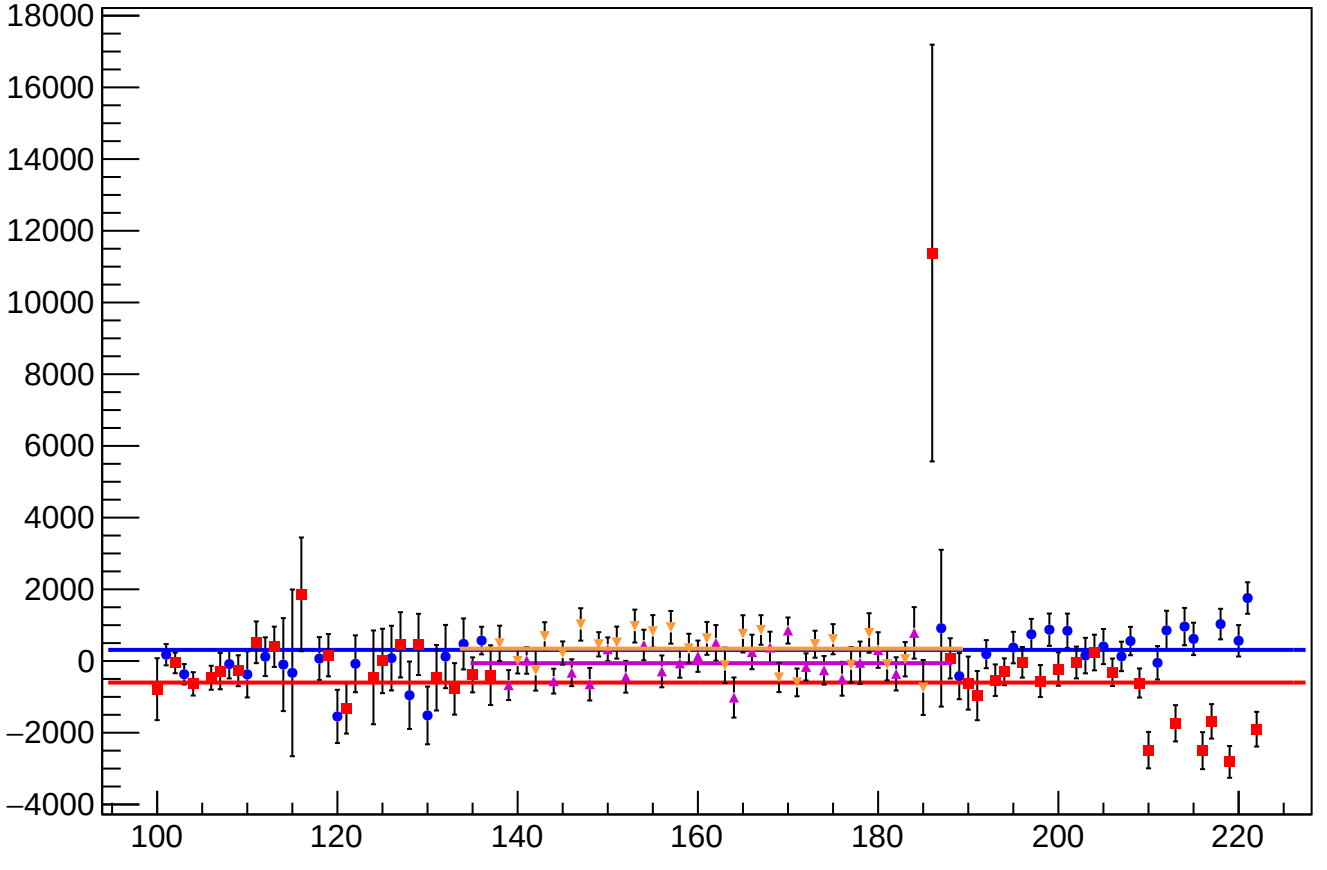
Right: 73.487+/-0.008 χ^2/NDF: 1703845.9/71

In: 72.535+/-0.008 χ^2/NDF:1563540.2/56

Out: 73.119+/-0.008 χ^2/NDF:2481142.4/62

All: 72.828+/-0.006 χ^2/NDF: 4047230.7/119

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: -600.486+/-82.305 χ^2/NDF: 104.2/37

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

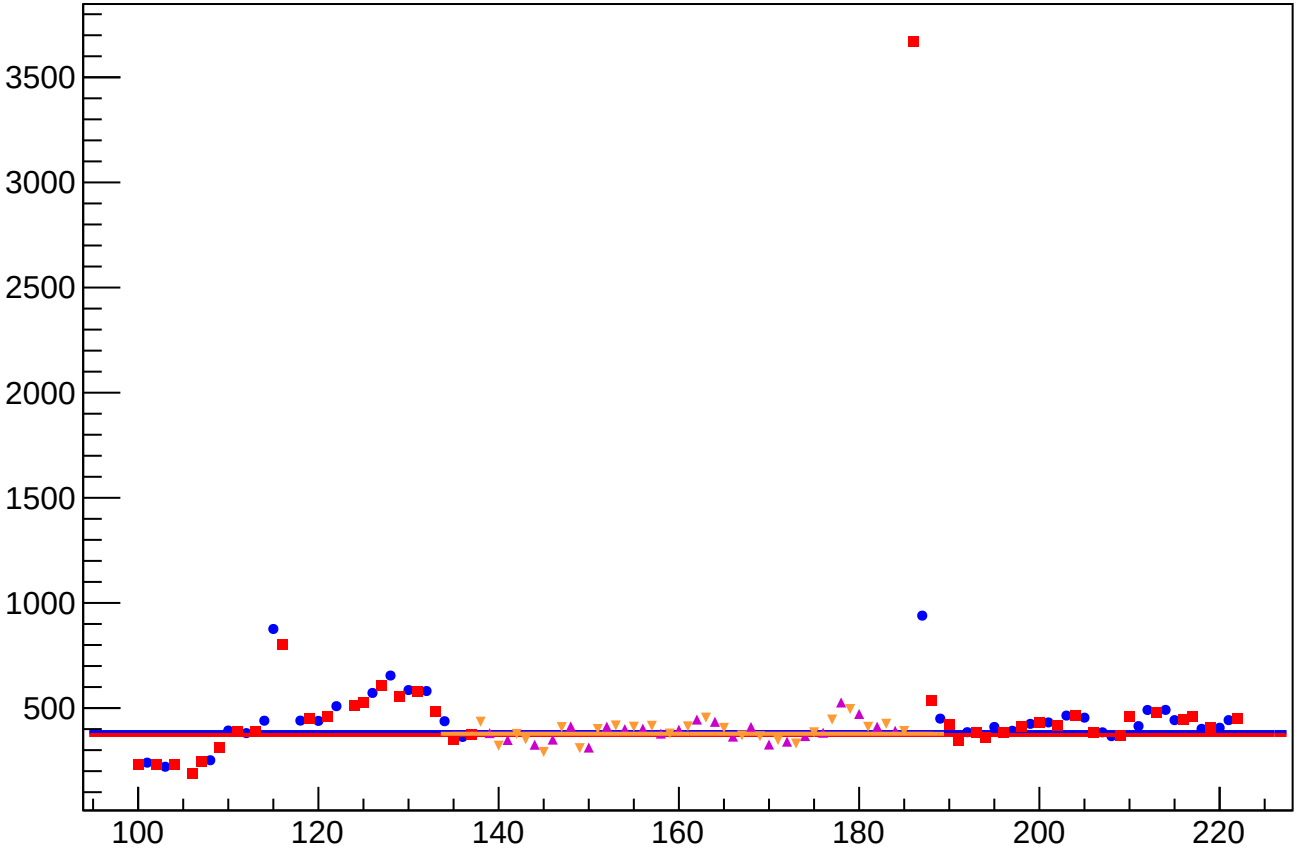
Right: -159.251+/-59.108 χ^2/NDF: 209.8/71

In: 134.889+/-61.582 χ^2/NDF:81.1/56

Out: -152.519+/-59.732 χ^2/NDF:195.7/62

All: -13.197+/-42.876 χ^2/NDF: 288.0/119

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: 372.029+/-0.058 χ^2/NDF: 3653485.3/37

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

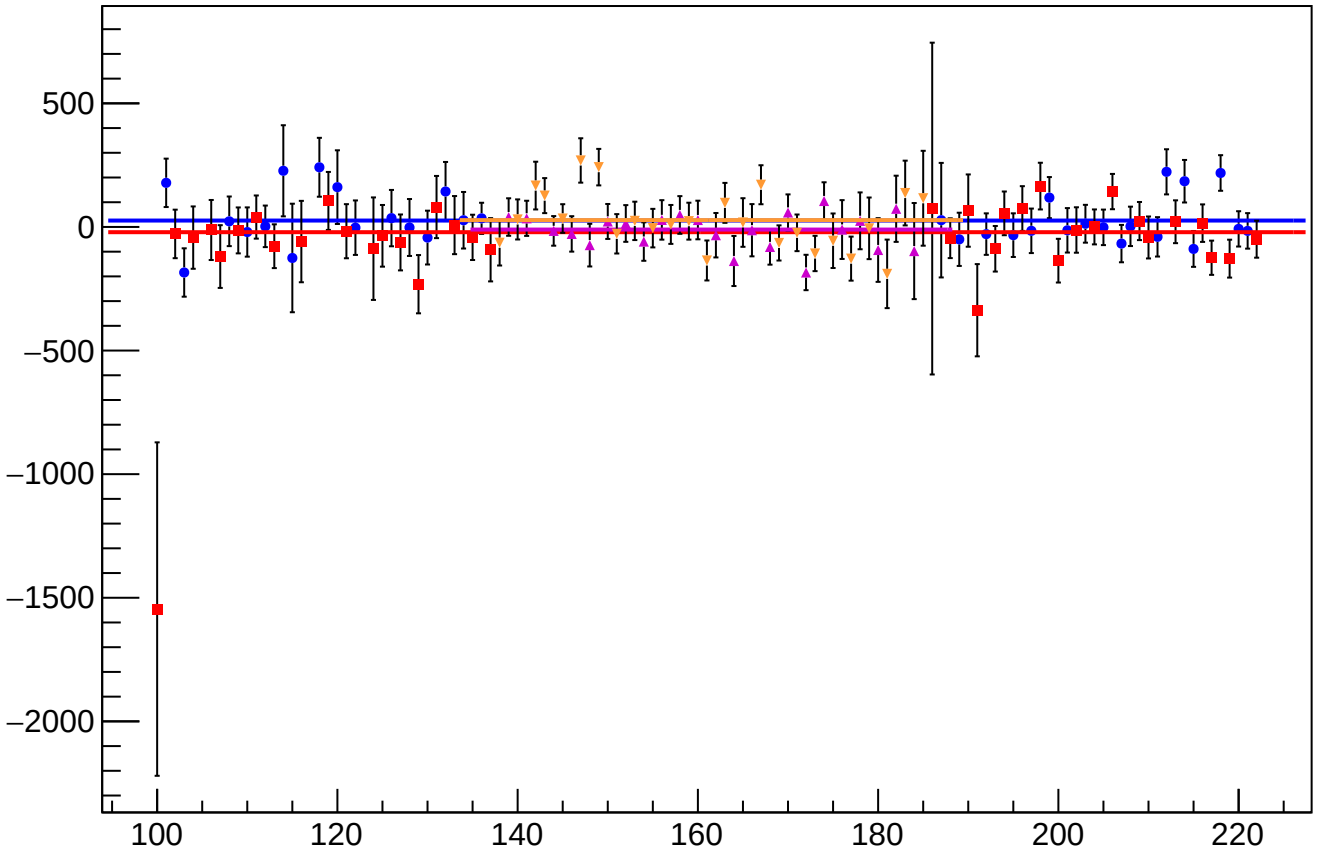
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 378.780+/-0.042 χ^2/NDF: 6229124.6/71

In: 382.602+/-0.044 χ^2/NDF:3082165.1/56

Out: 374.759+/-0.042 χ^2/NDF:4294849.4/62

All: 378.561+/-0.030 χ^2/NDF: 7393730.8/119



Right In: 25.902+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -21.194+/-15.919 χ^2/NDF: 34.3/37

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

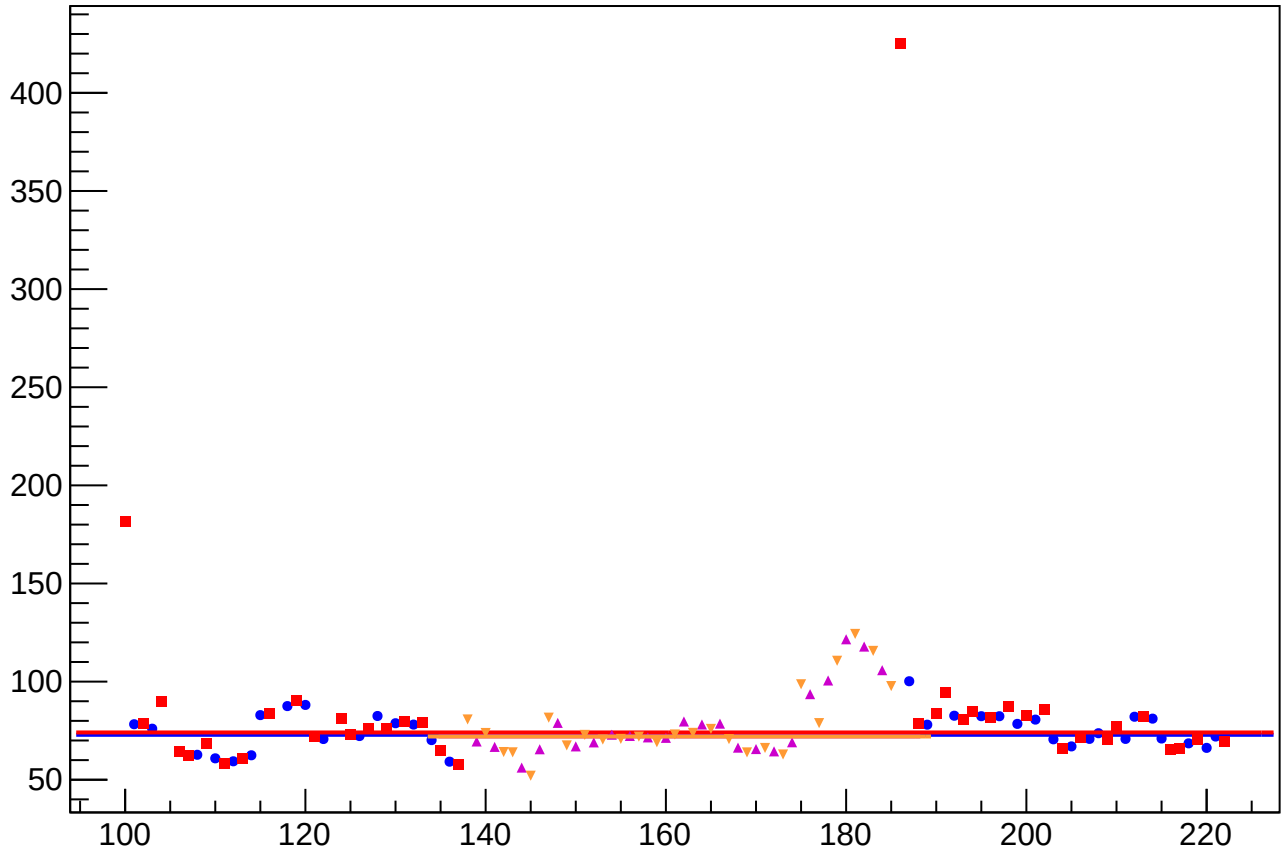
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.754+/-11.160 χ^2/NDF: 77.2/71

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 1.986+/-11.536 χ^2/NDF:81.1/62

All: 5.693+/-8.174 χ^2/NDF: 138.2/119



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: 74.094+/-0.011 χ^2/NDF: 1195876.6/37

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

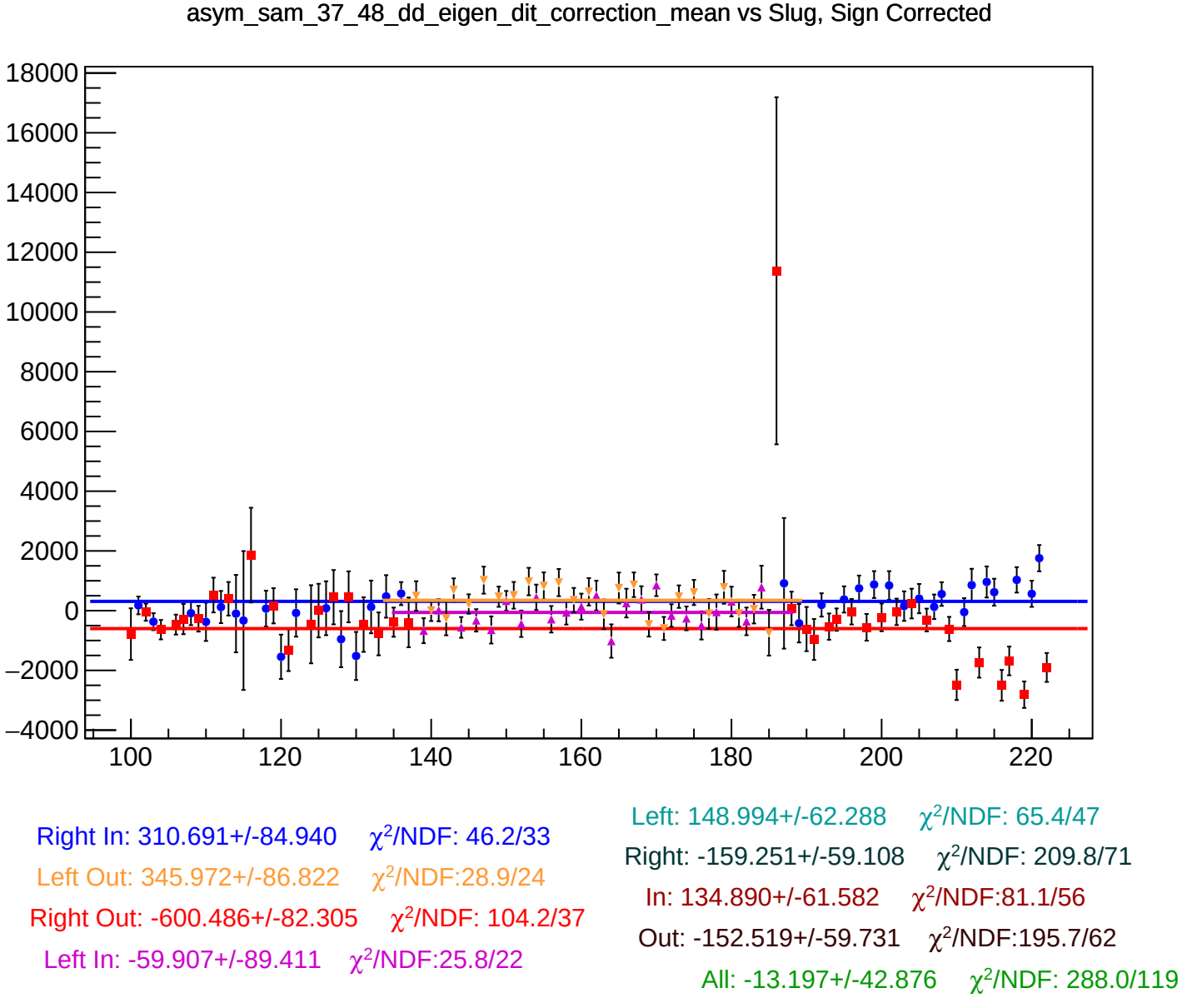
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 73.487+/-0.008 χ^2/NDF: 1703855.1/71

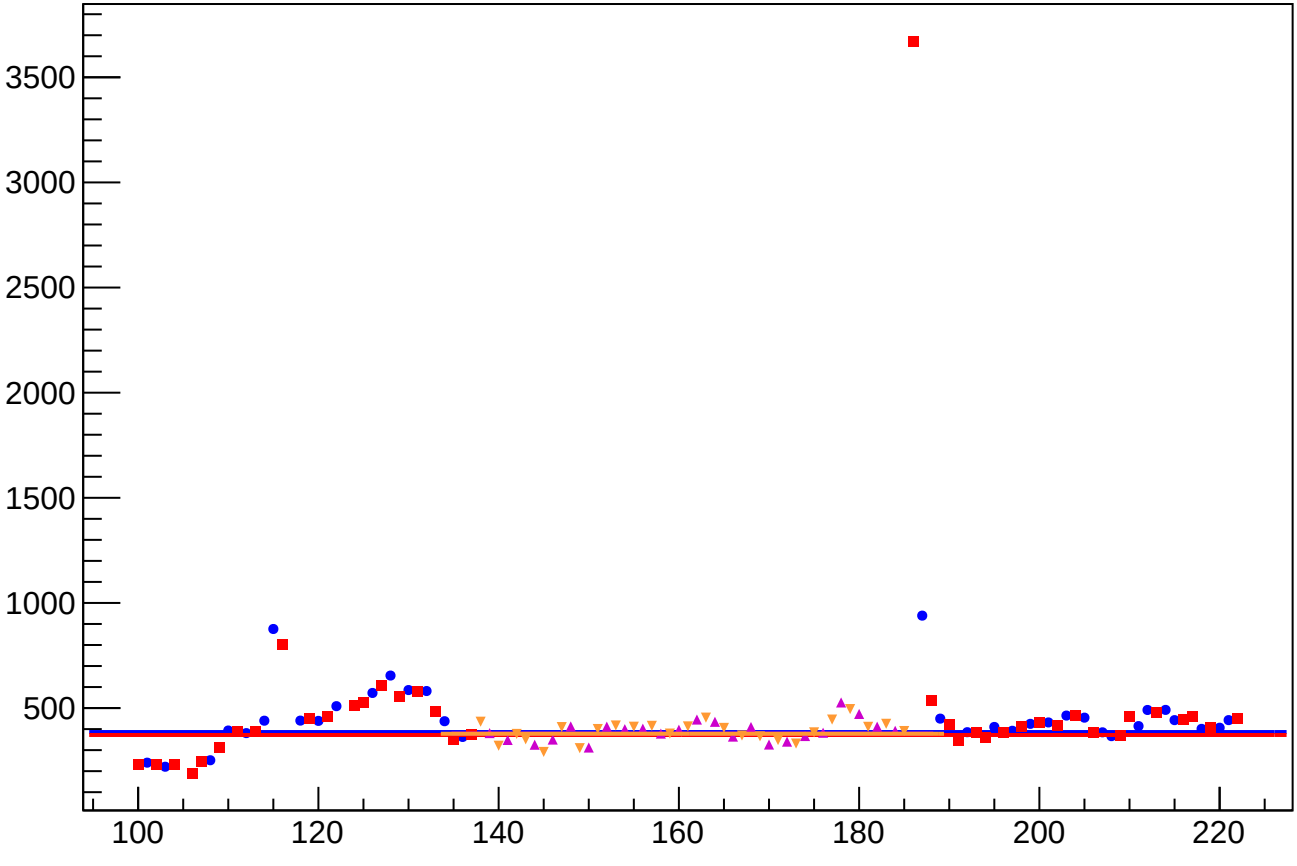
In: 72.535+/-0.008 χ^2/NDF:1563535.9/56

Out: 73.119+/-0.008 χ^2/NDF:2481149.3/62

All: 72.828+/-0.006 χ^2/NDF: 4047233.7/119


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: 310.691+/-84.940 χ²/NDF: 46.2/33
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -600.486+/-82.305 χ²/NDF: 104.2/37
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -159.251+/-59.108 χ²/NDF: 209.8/71
In: 134.890+/-61.582 χ²/NDF:81.1/56
Out: -152.519+/-59.731 χ²/NDF:195.7/62
All: -13.197+/-42.876 χ²/NDF: 288.0/119

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: 372.028+/-0.058 χ^2/NDF: 3653468.8/37

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

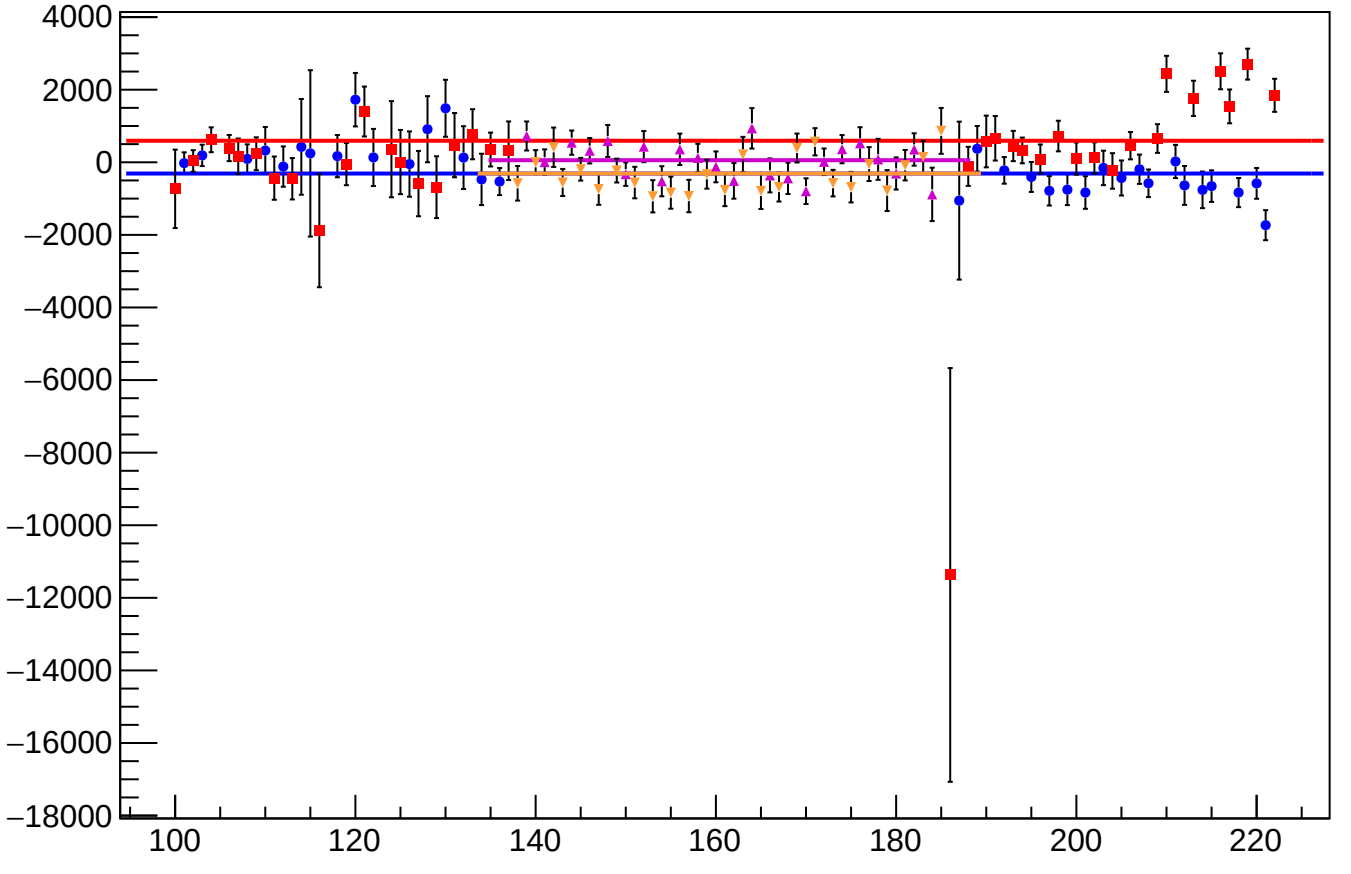
Right: 378.780+/-0.042 χ^2/NDF: 6229090.1/71

In: 382.602+/-0.044 χ^2/NDF:3082142.8/56

Out: 374.758+/-0.042 χ^2/NDF:4294832.6/62

All: 378.561+/-0.030 χ^2/NDF: 7393692.1/119

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: 593.751+/-81.146 χ^2/NDF: 107.7/37

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

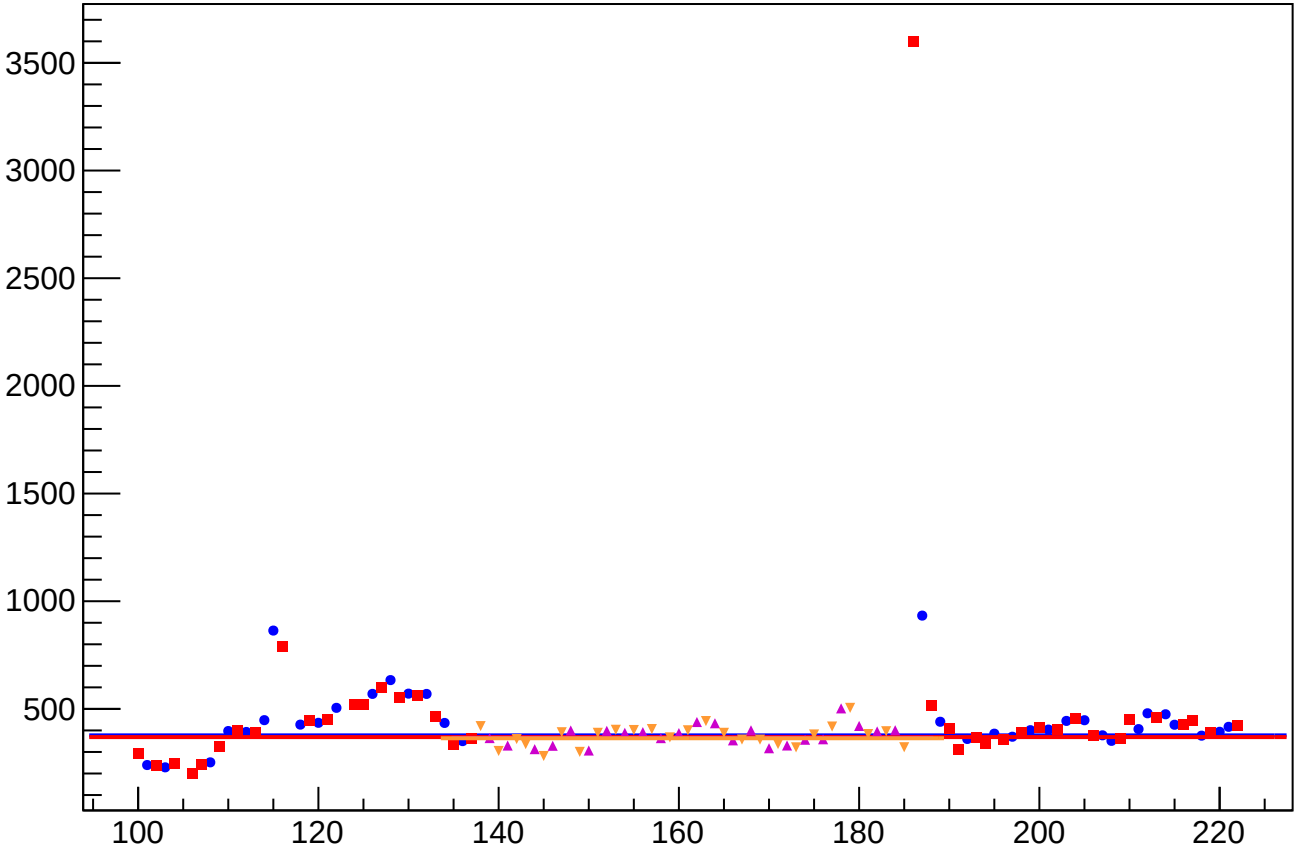
Right: 150.898+/-57.944 χ^2/NDF: 213.5/71

In: -133.660+/-59.711 χ^2/NDF:82.4/56

Out: 156.228+/-58.263 χ^2/NDF:197.7/62

All: 14.842+/-41.701 χ^2/NDF: 292.2/119

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 377.063+/-0.059 χ^2/NDF: 2274686.7/33

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 369.073+/-0.057 χ^2/NDF: 3095699.1/37

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

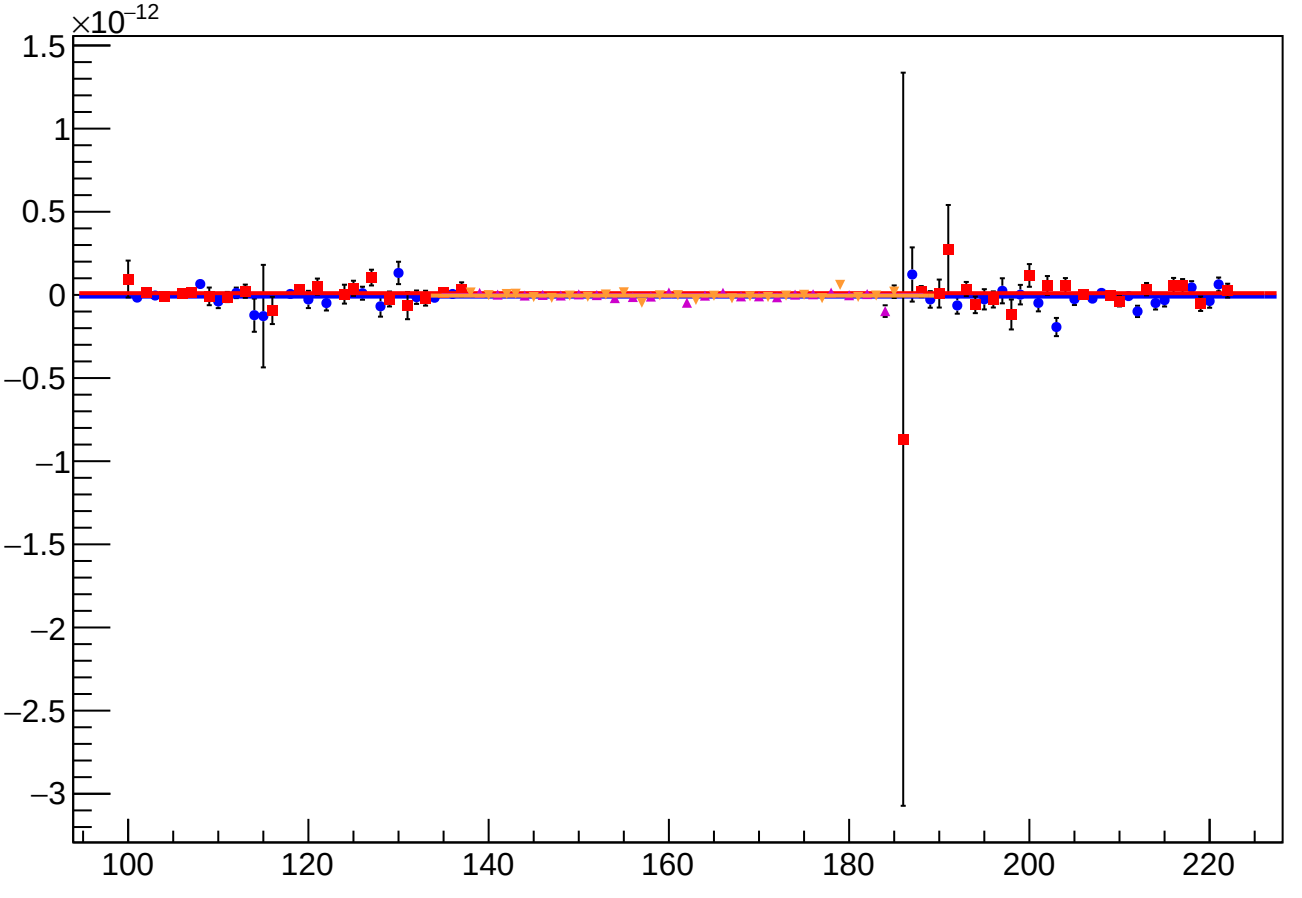
Right: 372.989+/-0.041 χ^2/NDF: 5379890.6/71

In: 371.434+/-0.042 χ^2/NDF:2803477.8/56

Out: 366.477+/-0.041 χ^2/NDF:3769169.5/62

All: 368.894+/-0.029 χ^2/NDF: 6579708.4/119

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/37

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

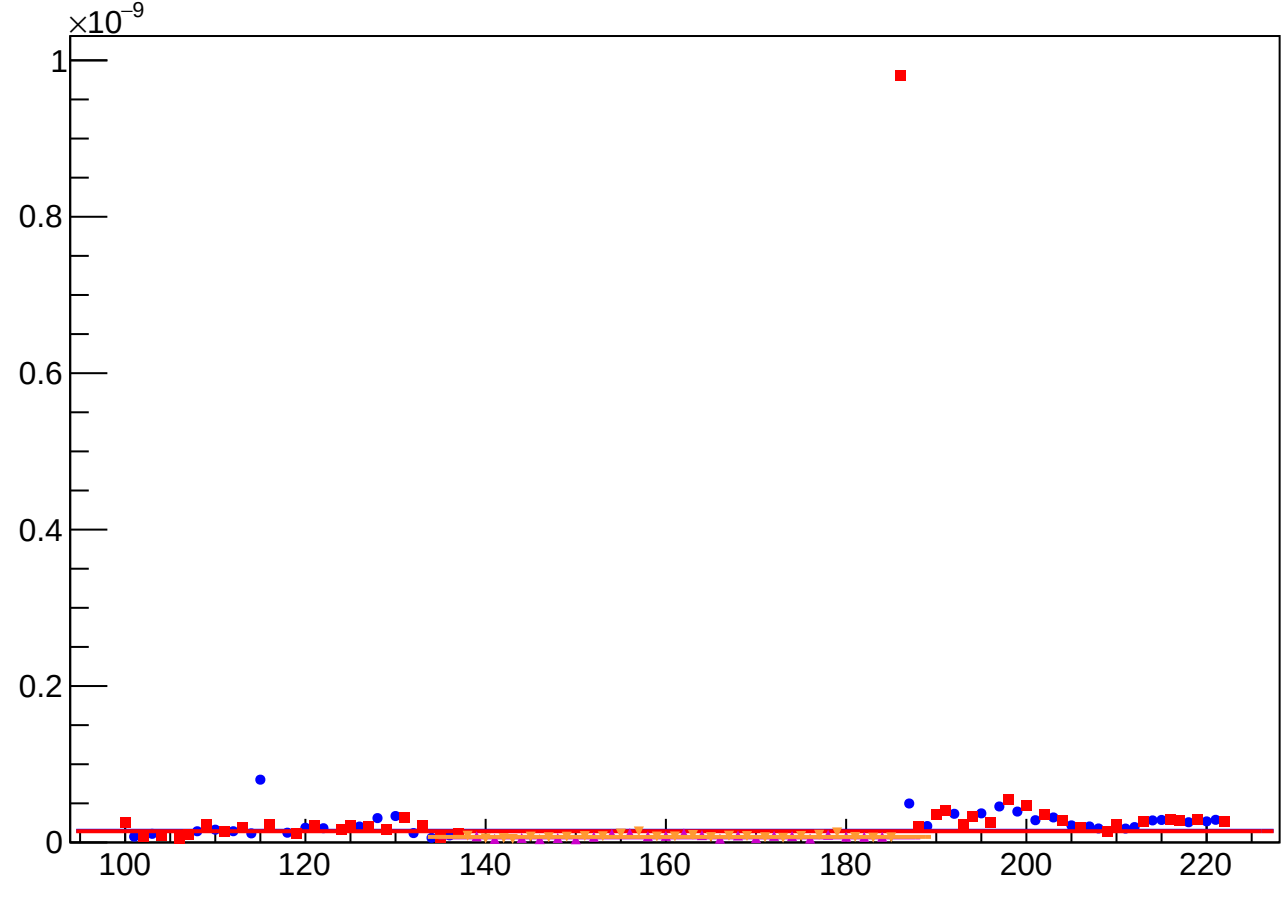
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 83.6/71

In: -0.000+/-0.000 χ^2/NDF:70.2/56

Out: -0.000+/-0.000 χ^2/NDF:57.9/62

All: -0.000+/-0.000 χ^2/NDF: 128.4/119



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: 6011060.9/37

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

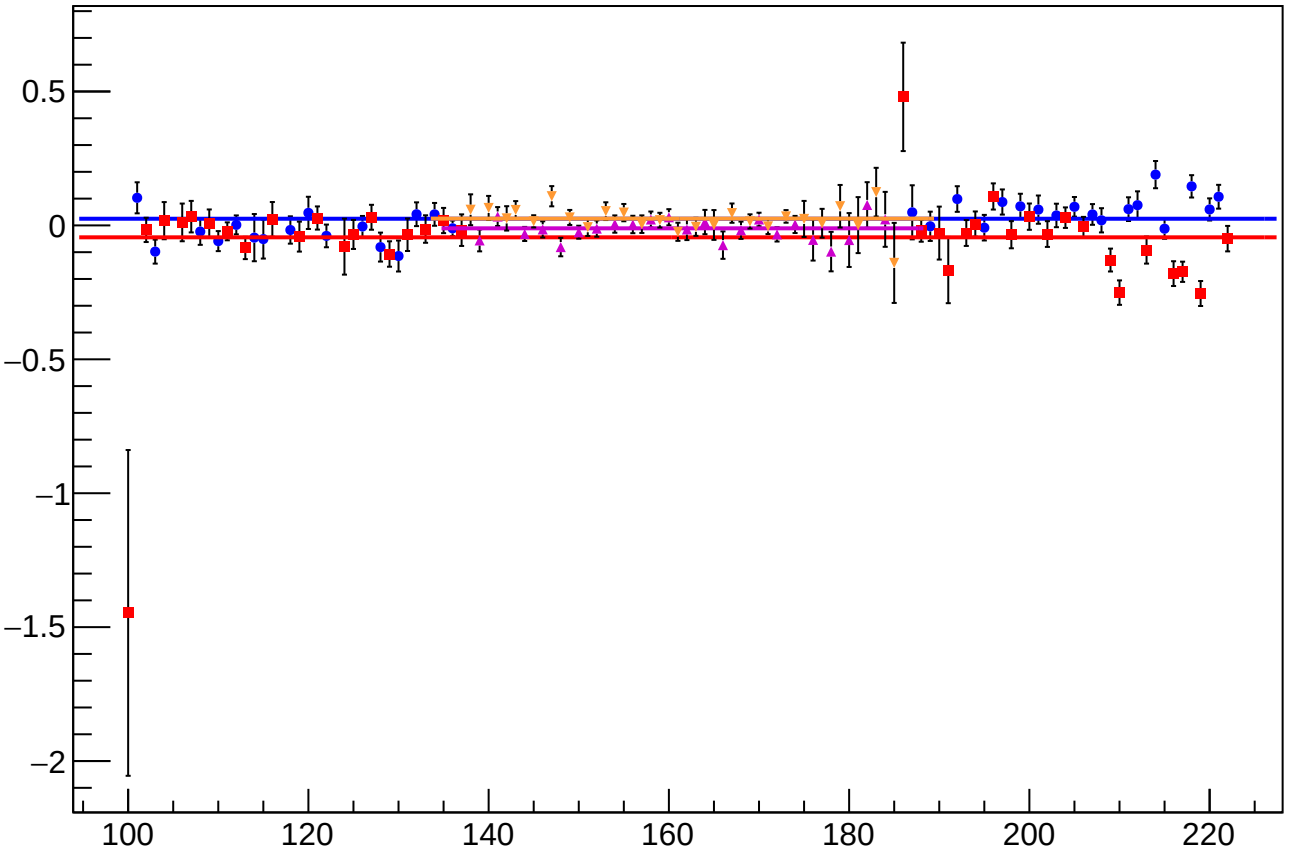
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11259022.6/71

In: 0.000+/-0.000 χ^2/NDF:10485519.3/56

Out: 0.000+/-0.000 χ^2/NDF:9815131.5/62

All: 0.000+/-0.000 χ^2/NDF: 20337974.6/119



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: -0.045+/-0.008 χ^2/NDF: 113.9/37

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

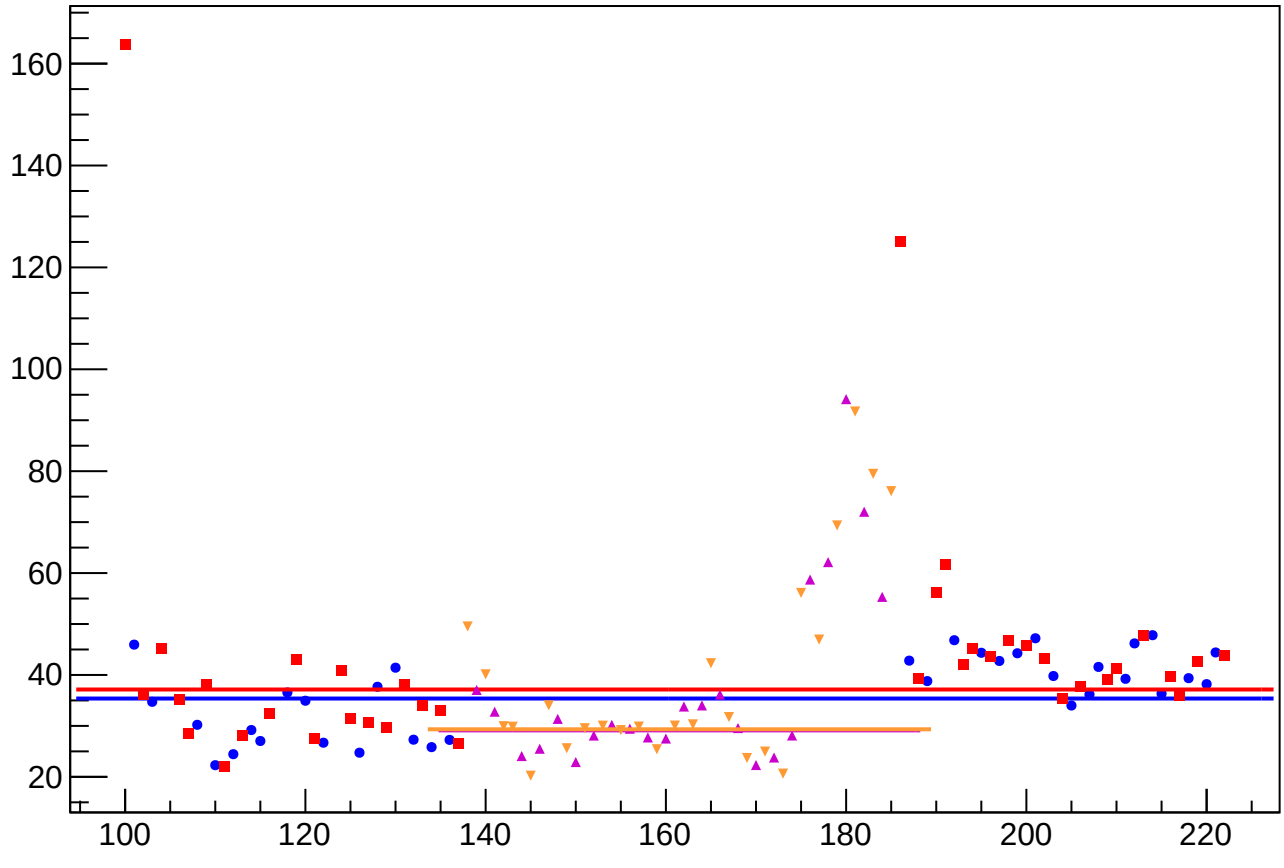
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.008+/-0.006 χ^2/NDF: 217.8/71

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:172.6/62

All: 0.000+/-0.004 χ^2/NDF: 271.1/119



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 37.146+/-0.006 χ^2/NDF: 1994483.2/37

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

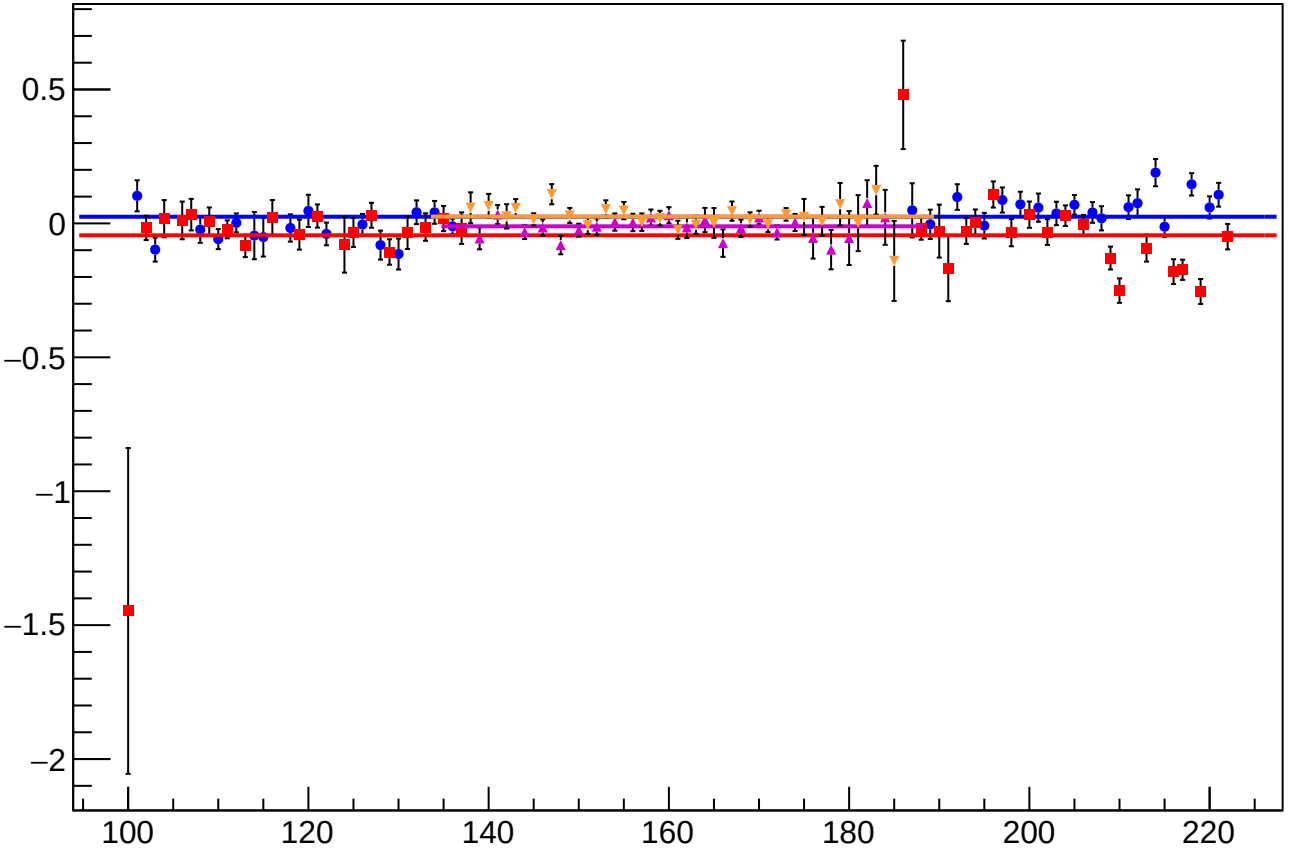
Right: 36.220+/-0.004 χ^2/NDF: 4003677.3/71

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.744+/-0.004 χ^2/NDF:6902697.9/62

All: 32.387+/-0.003 χ^2/NDF: 12402963.0/119

asym_sam_37_48_dd_dit_vs_eigen_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: -0.045+/-0.008 χ^2/NDF: 113.9/37

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

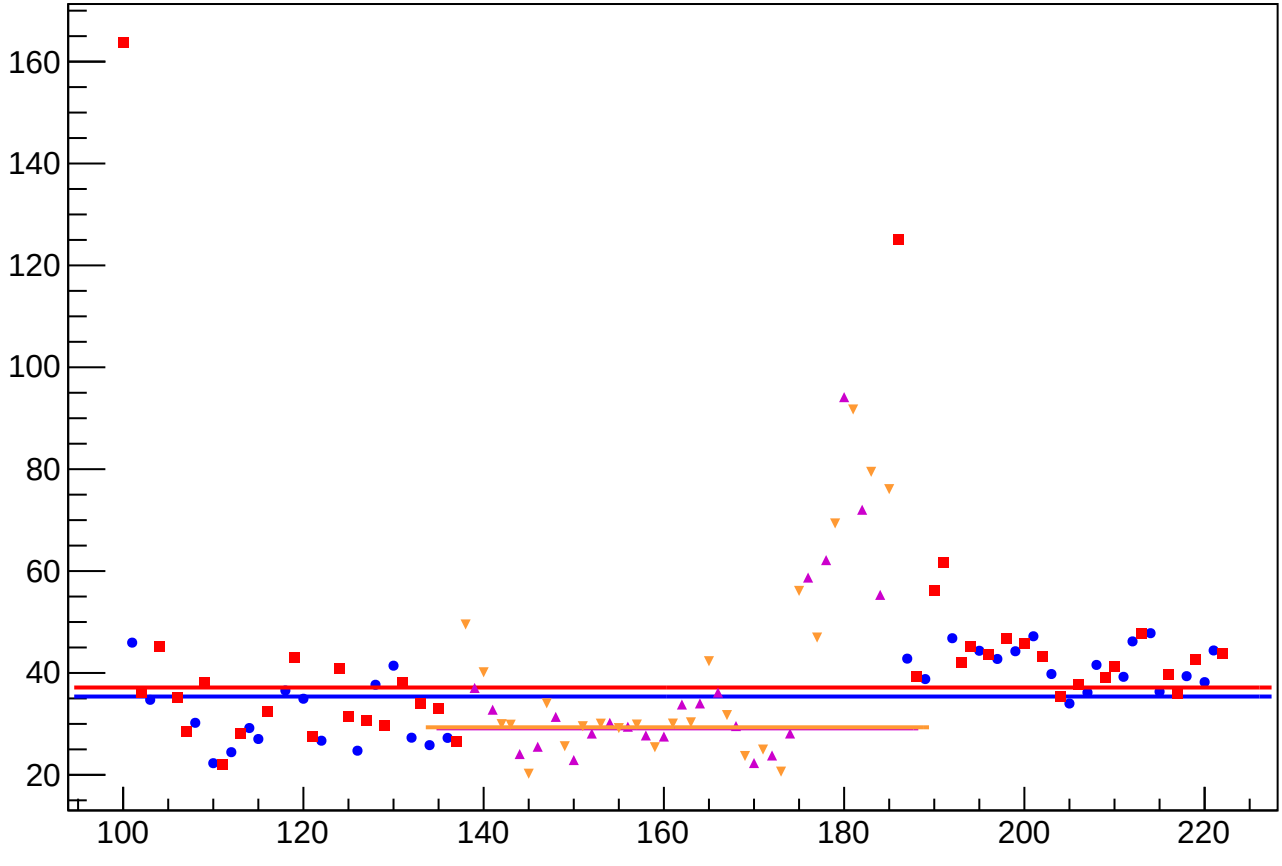
Right: -0.008+/-0.006 χ^2/NDF: 217.8/71

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:172.6/62

All: 0.000+/-0.004 χ^2/NDF: 271.1/119

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 37.146+/-0.006 χ^2/NDF: 1994483.2/37

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

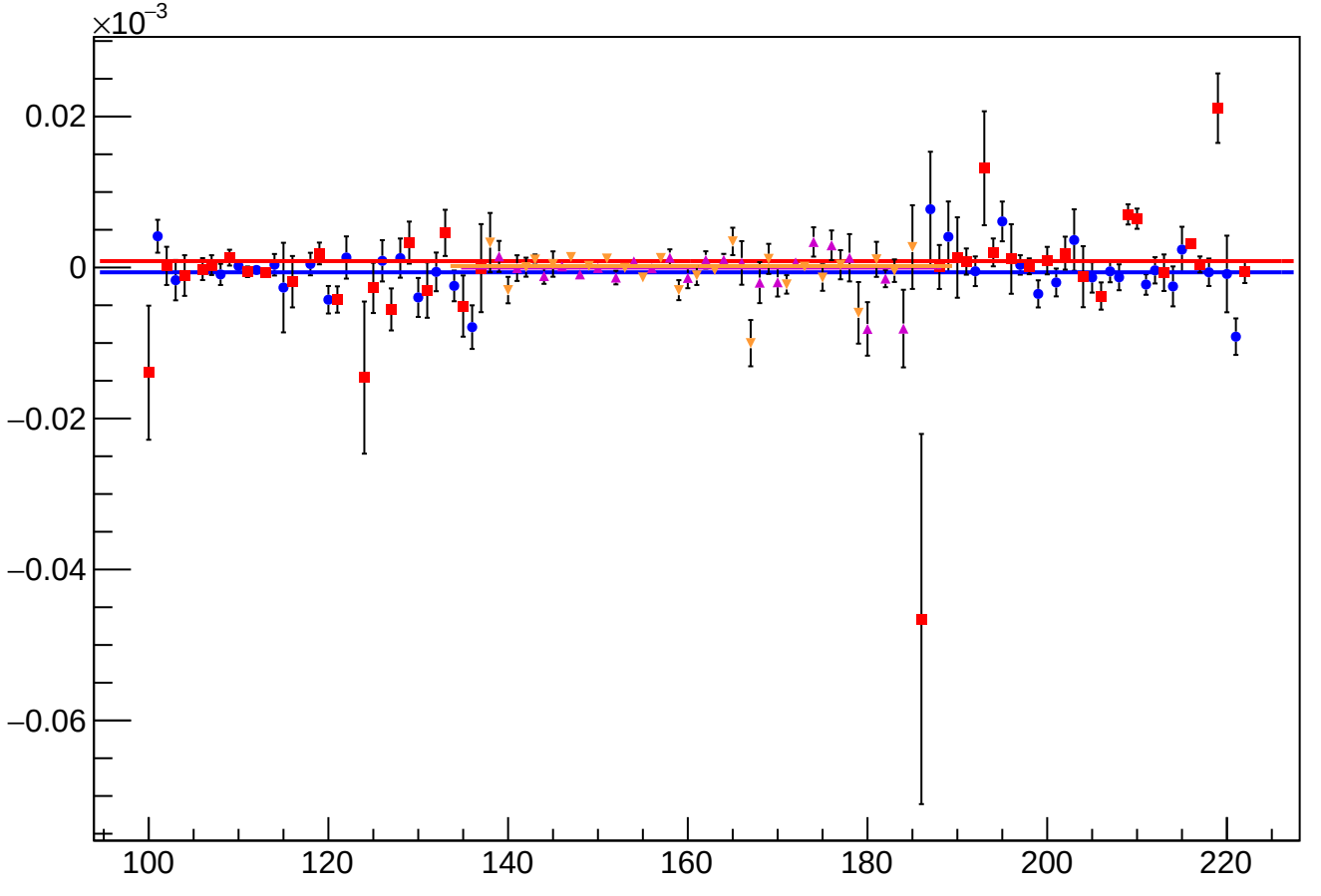
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 36.220+/-0.004 χ^2/NDF: 4003677.3/71

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.744+/-0.004 χ^2/NDF:6902697.9/62

All: 32.387+/-0.003 χ^2/NDF: 12402963.0/119



Right In: -0.000+/-0.000 χ^2/NDF: 50.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 124.5/37

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

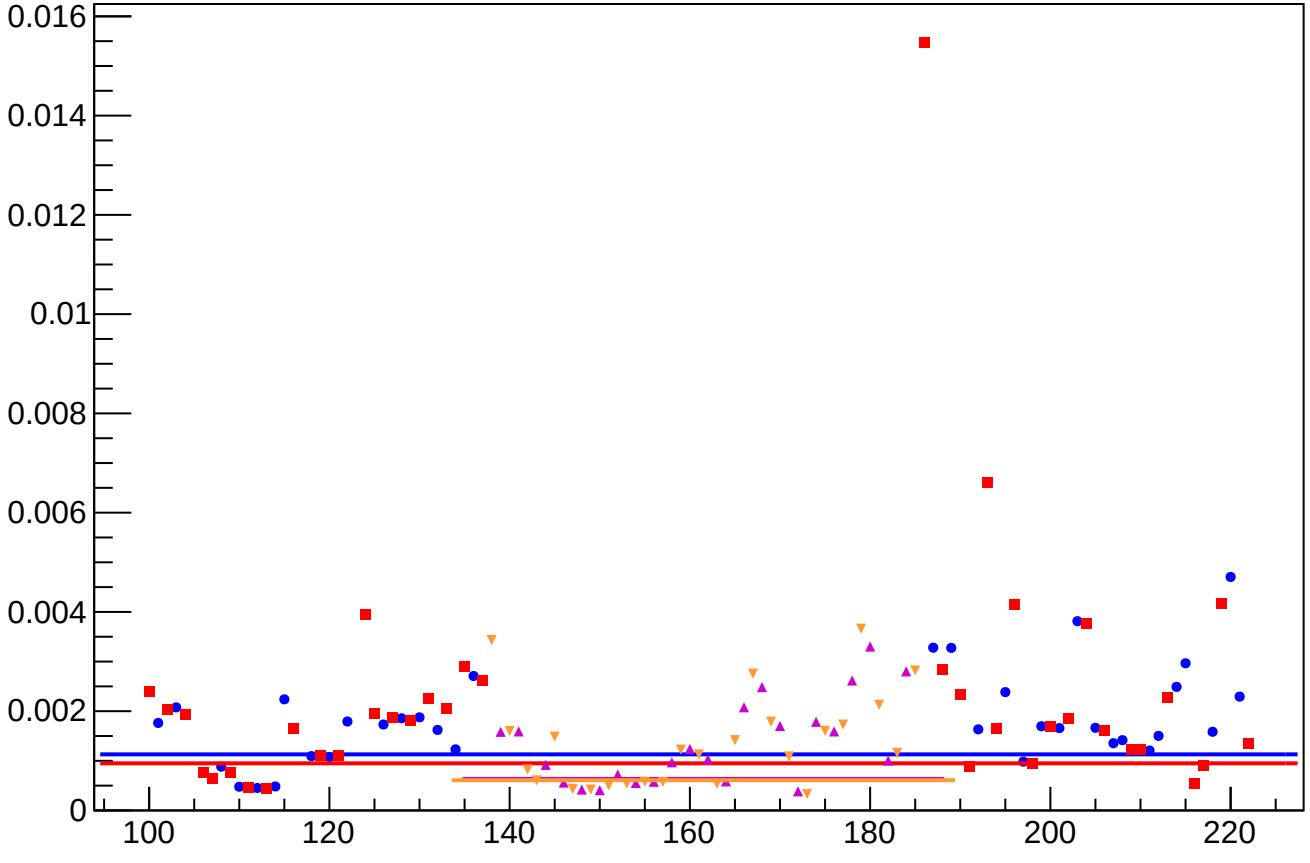
Right: 0.000+/-0.000 χ^2/NDF: 190.2/71

In: -0.000+/-0.000 χ^2/NDF:87.0/56

Out: 0.000+/-0.000 χ^2/NDF:181.9/62

All: 0.000+/-0.000 χ^2/NDF: 276.7/119

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: 13766472.9/37

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

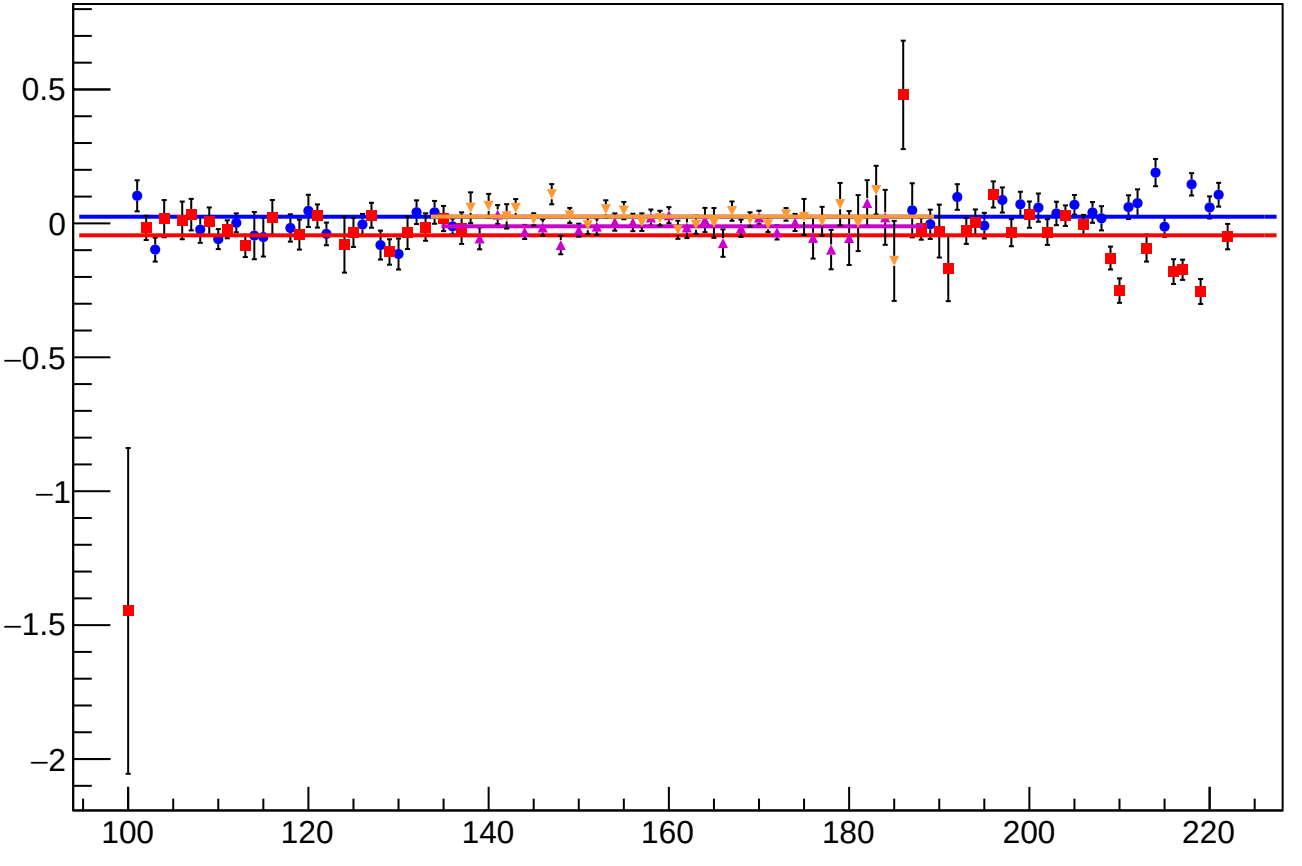
Right: 0.001+/-0.000 χ^2/NDF: 25627167.9/71

In: 0.001+/-0.000 χ^2/NDF:24940801.9/56

Out: 0.001+/-0.000 χ^2/NDF:27279450.3/62

All: 0.001+/-0.000 χ^2/NDF: 52372458.8/119

asym_sam_37_48_dd_eigen_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: -0.045+/-0.008 χ^2/NDF: 113.9/37

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

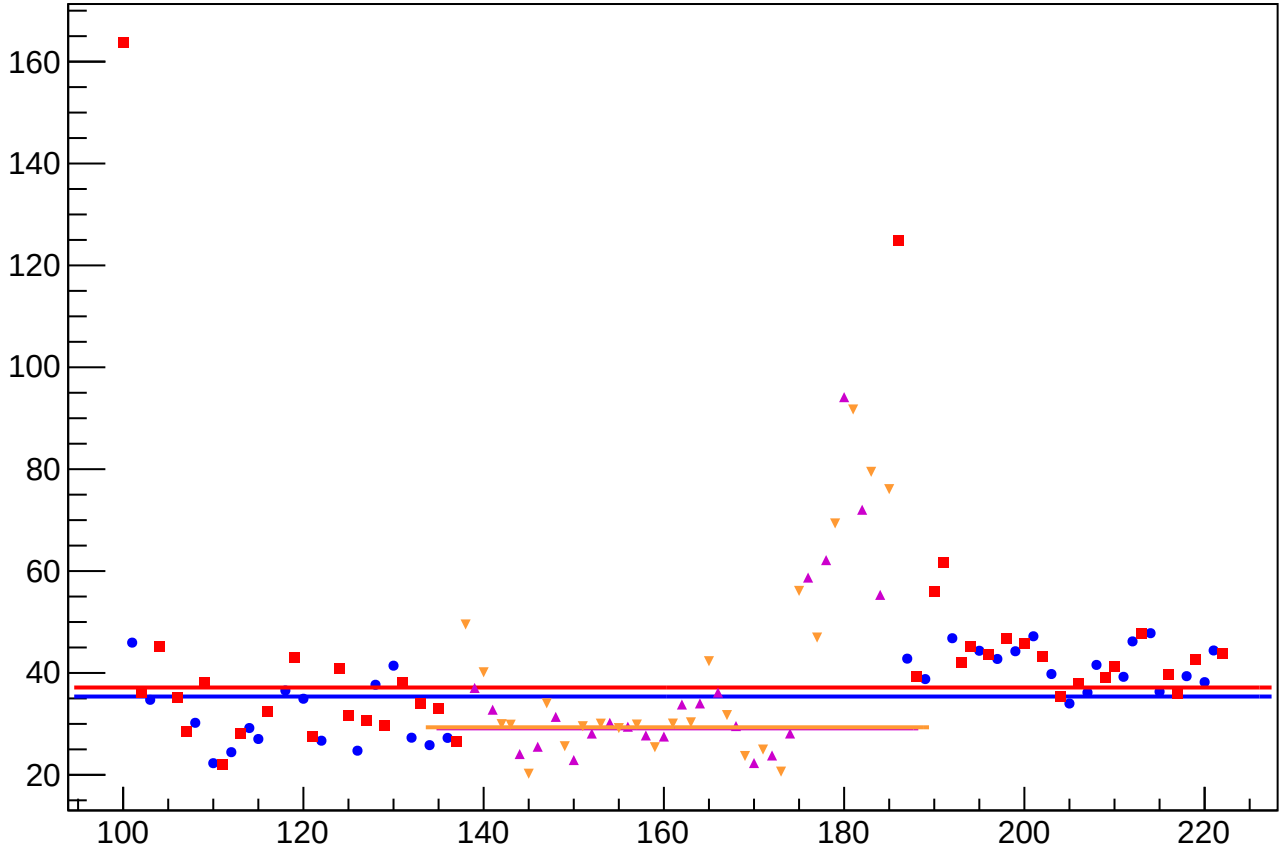
Right: -0.008+/-0.006 χ^2/NDF: 217.8/71

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:172.6/62

All: 0.000+/-0.004 χ^2/NDF: 271.1/119

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: 37.146+/-0.006 χ^2/NDF: 1994315.6/37

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

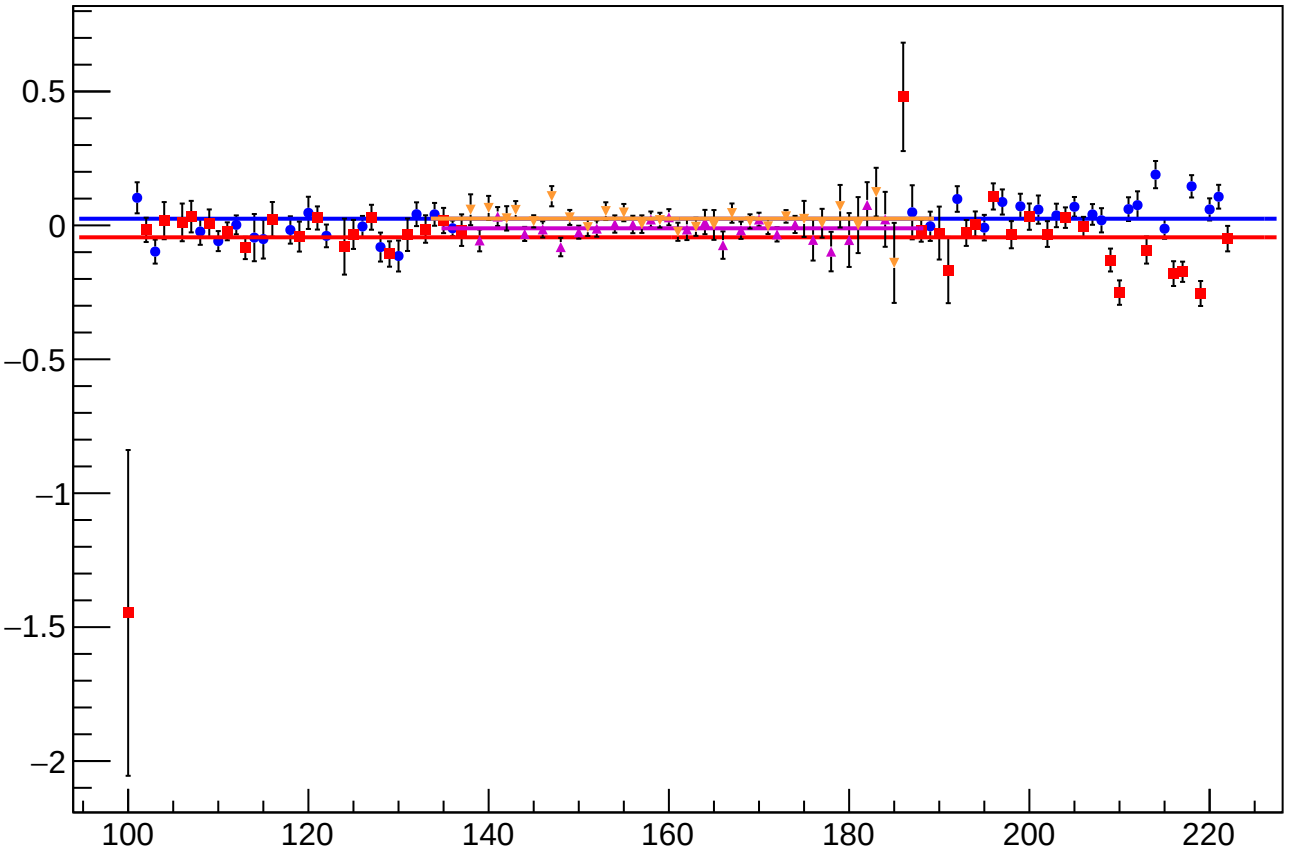
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 36.220+/-0.004 χ^2/NDF: 4003363.0/71

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.743+/-0.004 χ^2/NDF:6902645.2/62

All: 32.387+/-0.003 χ^2/NDF: 12402715.8/119



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: -0.045+/-0.008 χ^2/NDF: 113.9/37

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

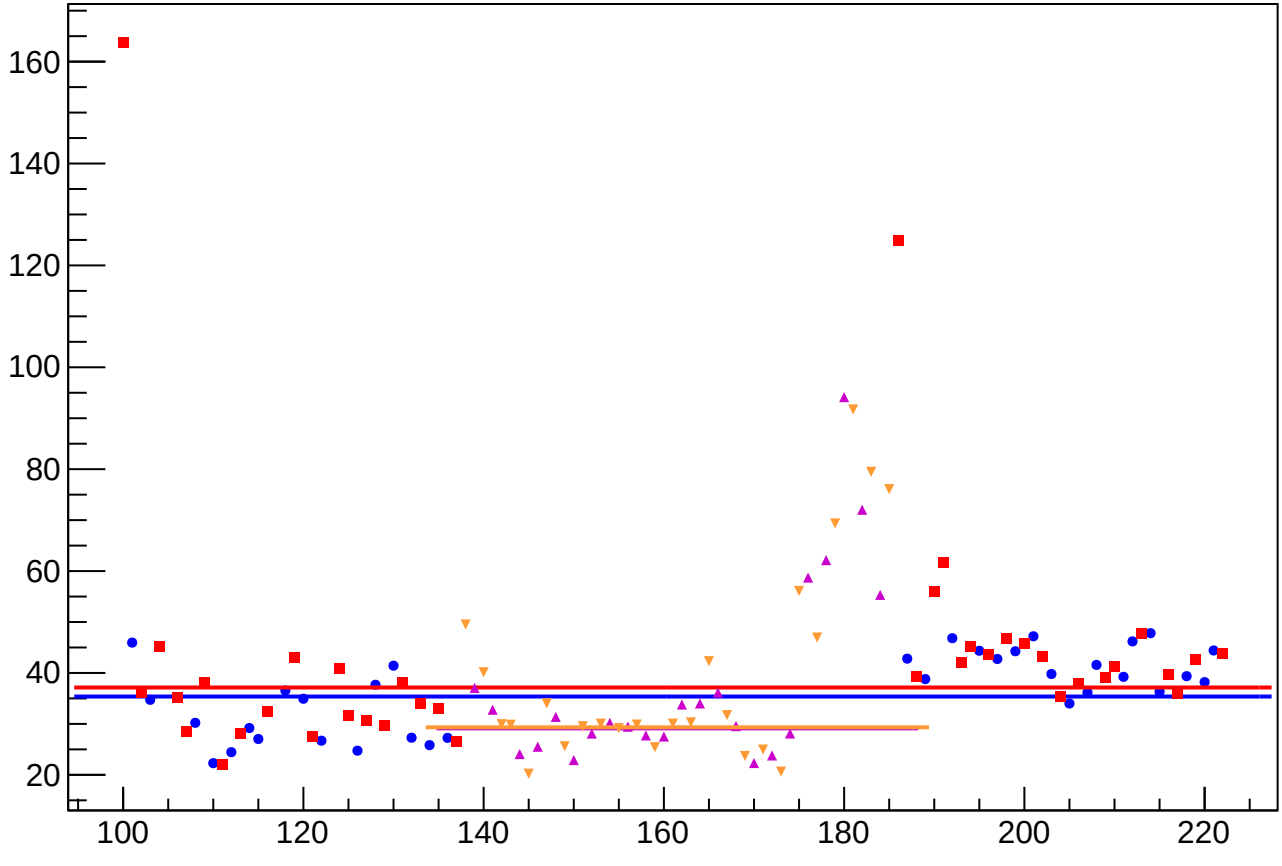
Right: -0.008+/-0.006 χ^2/NDF: 217.8/71

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:172.6/62

All: 0.000+/-0.004 χ^2/NDF: 271.1/119

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.373+/-0.006 χ^2/NDF: 1959719.8/33

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 37.146+/-0.006 χ^2/NDF: 1994315.6/37

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

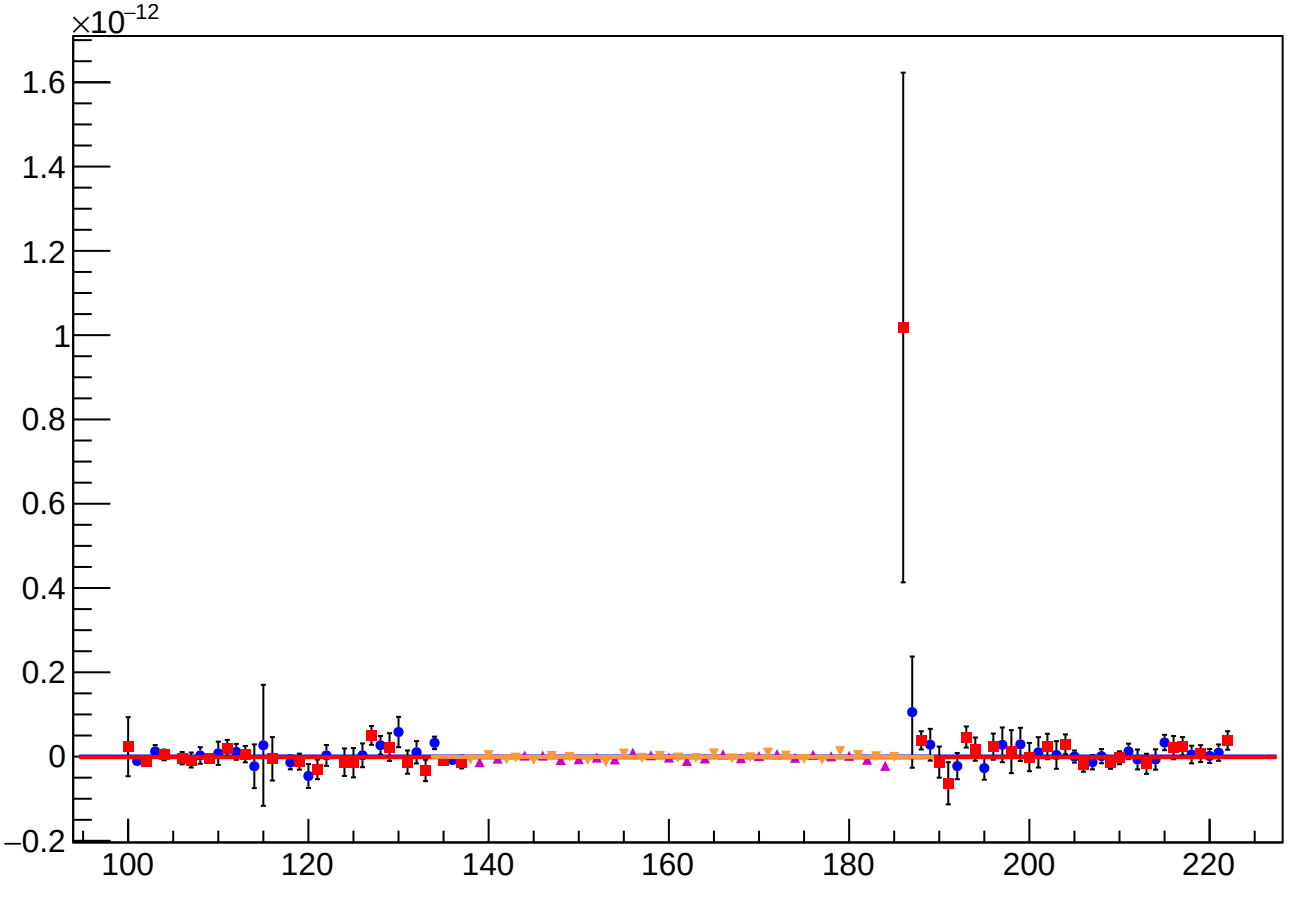
Right: 36.220+/-0.004 χ^2/NDF: 4003363.0/71

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.743+/-0.004 χ^2/NDF:6902645.2/62

All: 32.387+/-0.003 χ^2/NDF: 12402715.8/119

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: 37.5/37

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

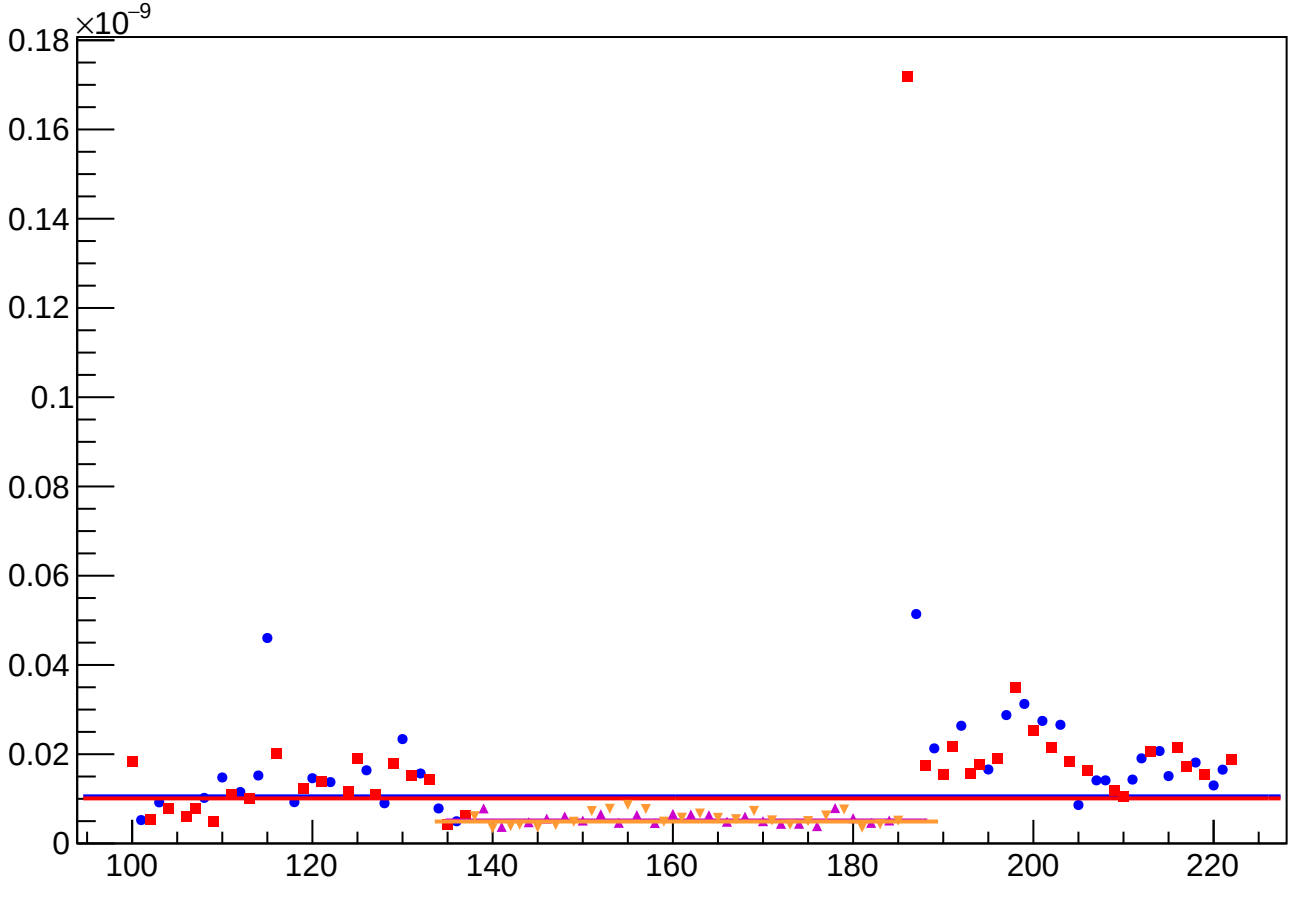
Right: -0.000+/-0.000 χ^2/NDF: 63.3/71

In: -0.000+/-0.000 χ^2/NDF:42.5/56

Out: -0.000+/-0.000 χ^2/NDF:52.6/62

All: -0.000+/-0.000 χ^2/NDF: 95.1/119

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7240968.8/37

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

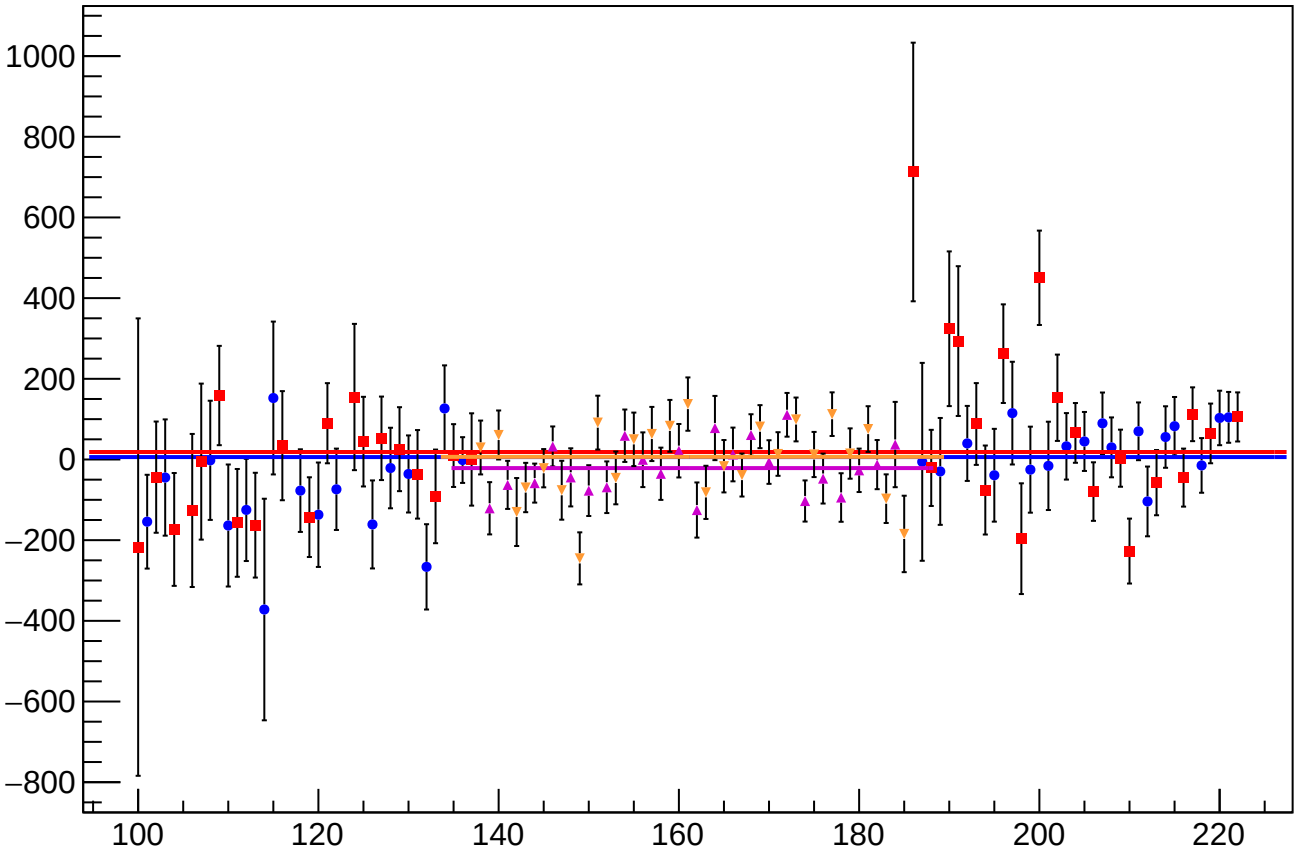
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14823198.1/71

In: 0.000+/-0.000 χ^2/NDF:13508202.2/56

Out: 0.000+/-0.000 χ^2/NDF:13910320.5/62

All: 0.000+/-0.000 χ^2/NDF: 27477166.0/119



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: 18.550+/-16.473 χ^2/NDF: 63.0/37

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

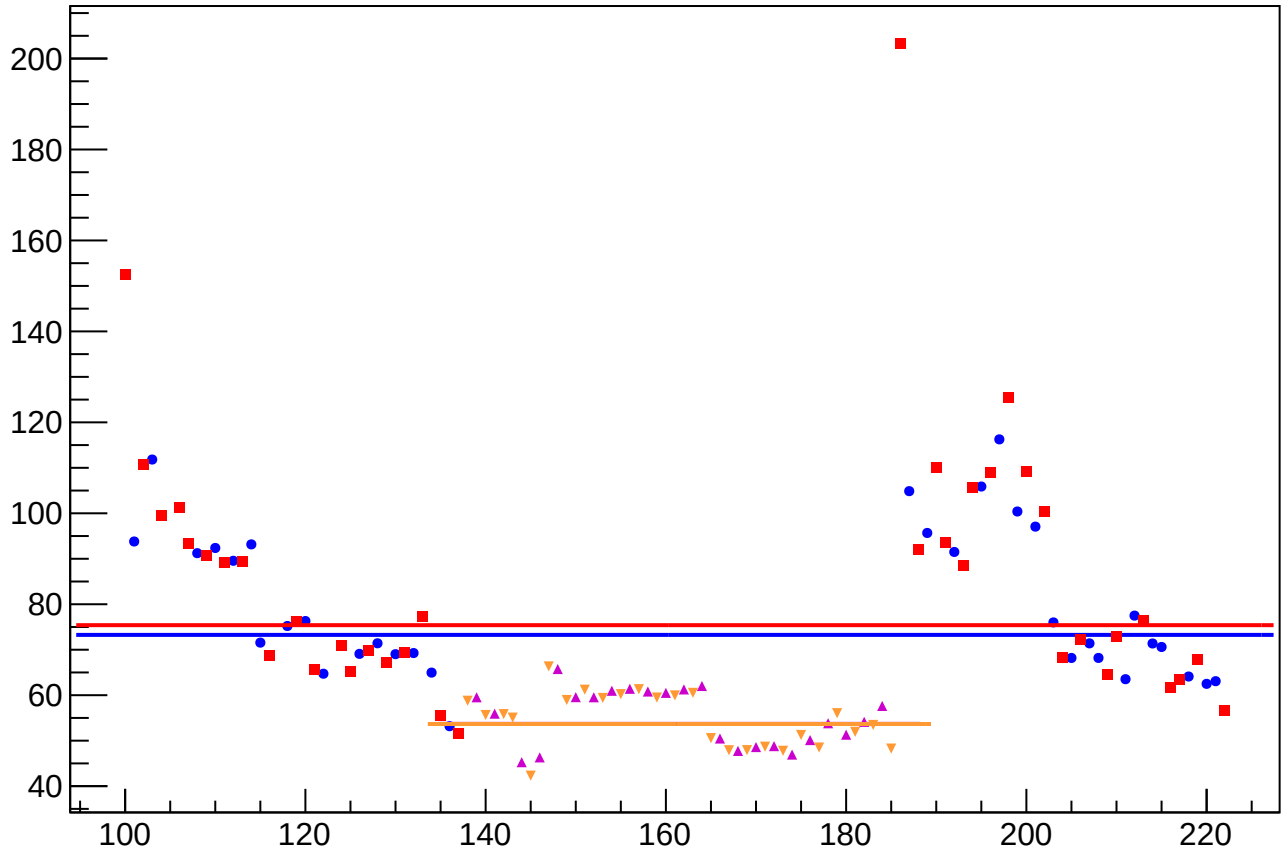
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: 12.067+/-11.470 χ^2/NDF: 94.7/71

In: -10.818+/-9.918 χ^2/NDF:58.5/56

Out: 10.822+/-9.849 χ^2/NDF:114.0/62

All: 0.077+/-6.989 χ^2/NDF: 174.9/119



Right In: 73.261+/-0.011 χ^2/NDF: 1588526.0/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 75.400+/-0.012 χ^2/NDF: 2407628.8/37

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

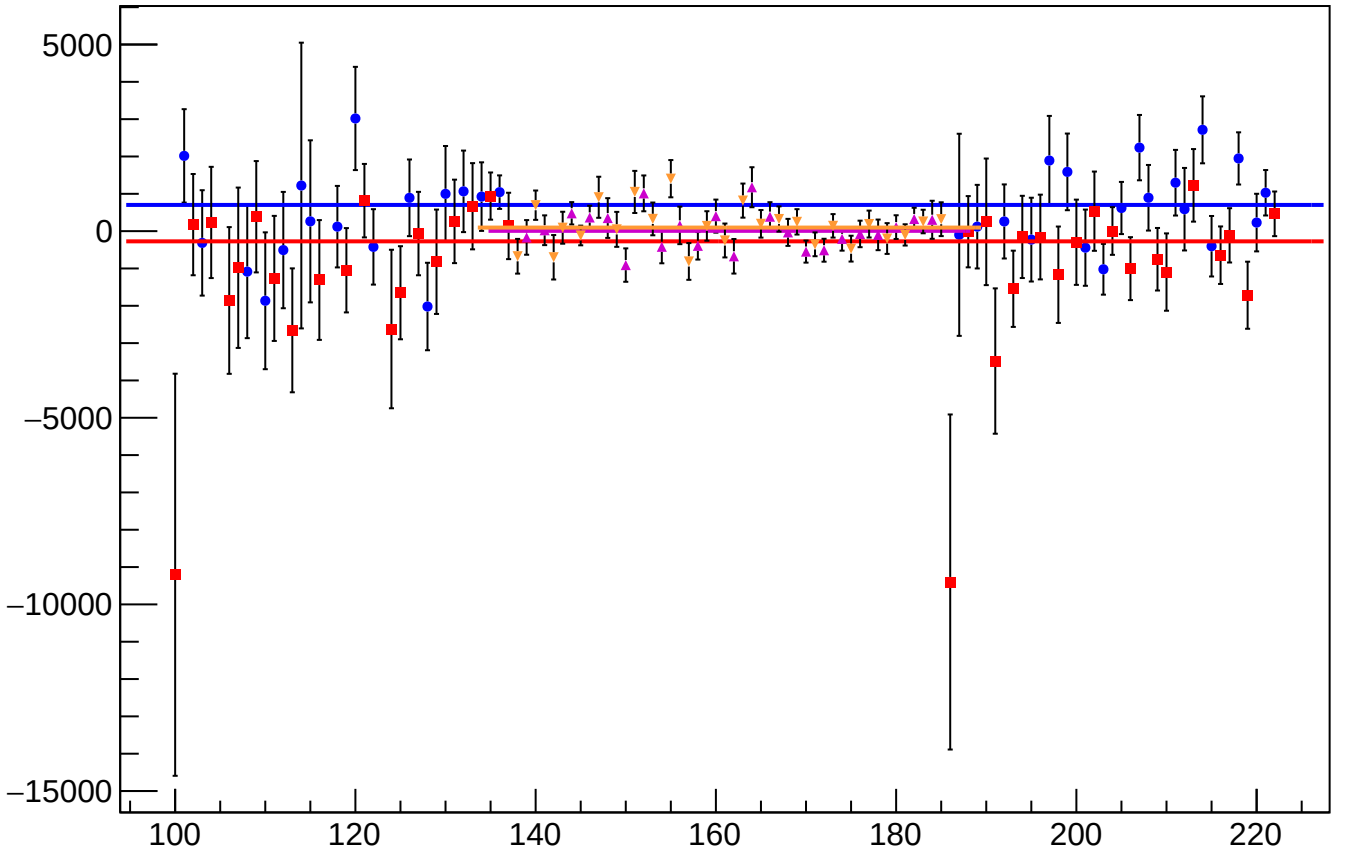
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.298+/-0.008 χ^2/NDF: 4013535.5/71

In: 61.232+/-0.007 χ^2/NDF:3903312.0/56

Out: 61.435+/-0.007 χ^2/NDF:5116783.9/62

All: 61.334+/-0.005 χ^2/NDF: 9020516.7/119



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: -273.364+/-171.947 χ^2/NDF: 34.2/37

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

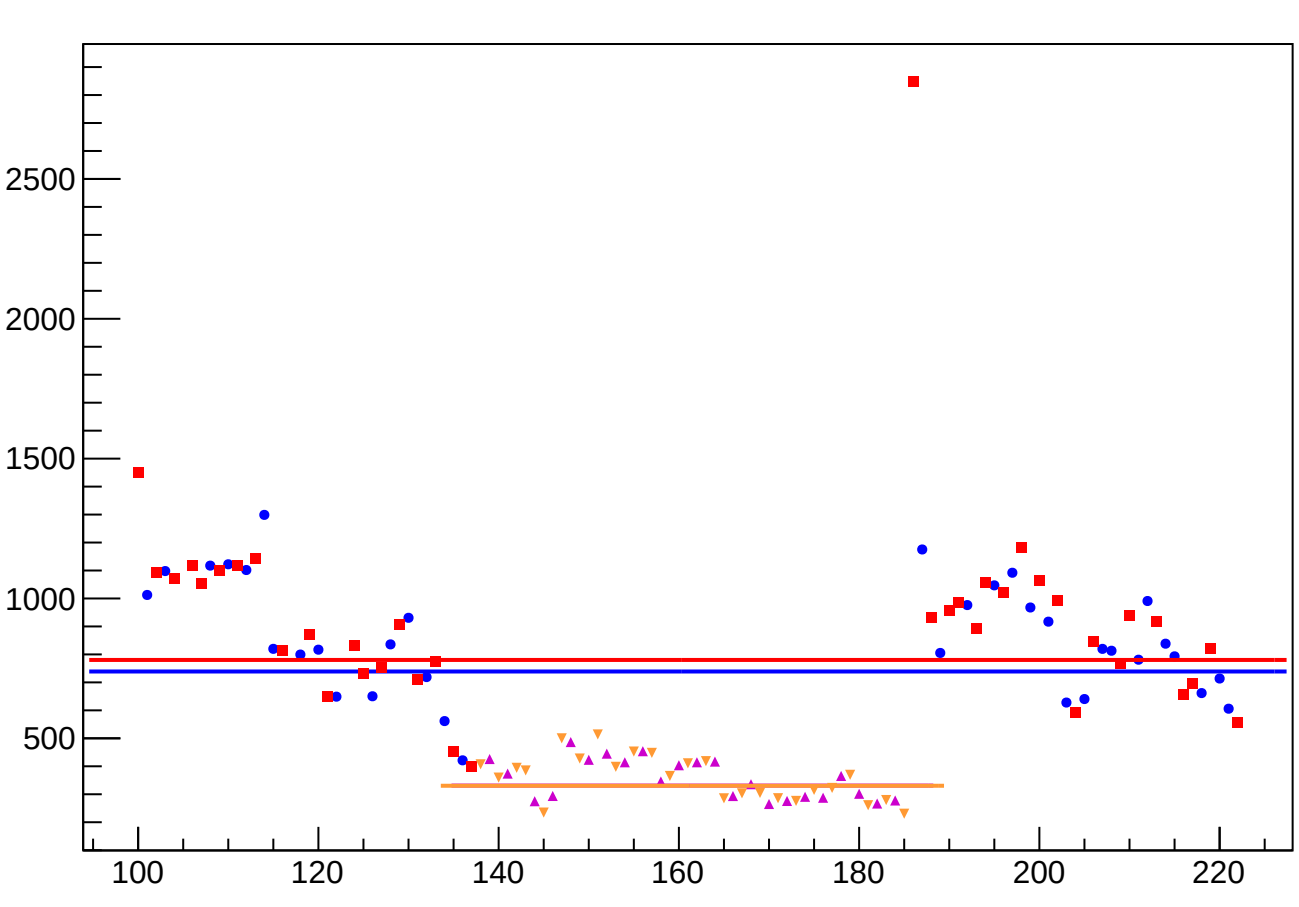
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 239.704+/-118.403 χ^2/NDF: 91.9/71

In: 139.951+/-71.205 χ^2/NDF:87.8/56

Out: 33.670+/-70.377 χ^2/NDF:71.2/62

All: 86.189+/-50.054 χ^2/NDF: 160.1/119



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: 780.205+/-0.122 χ^2/NDF: 3354188.8/37

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

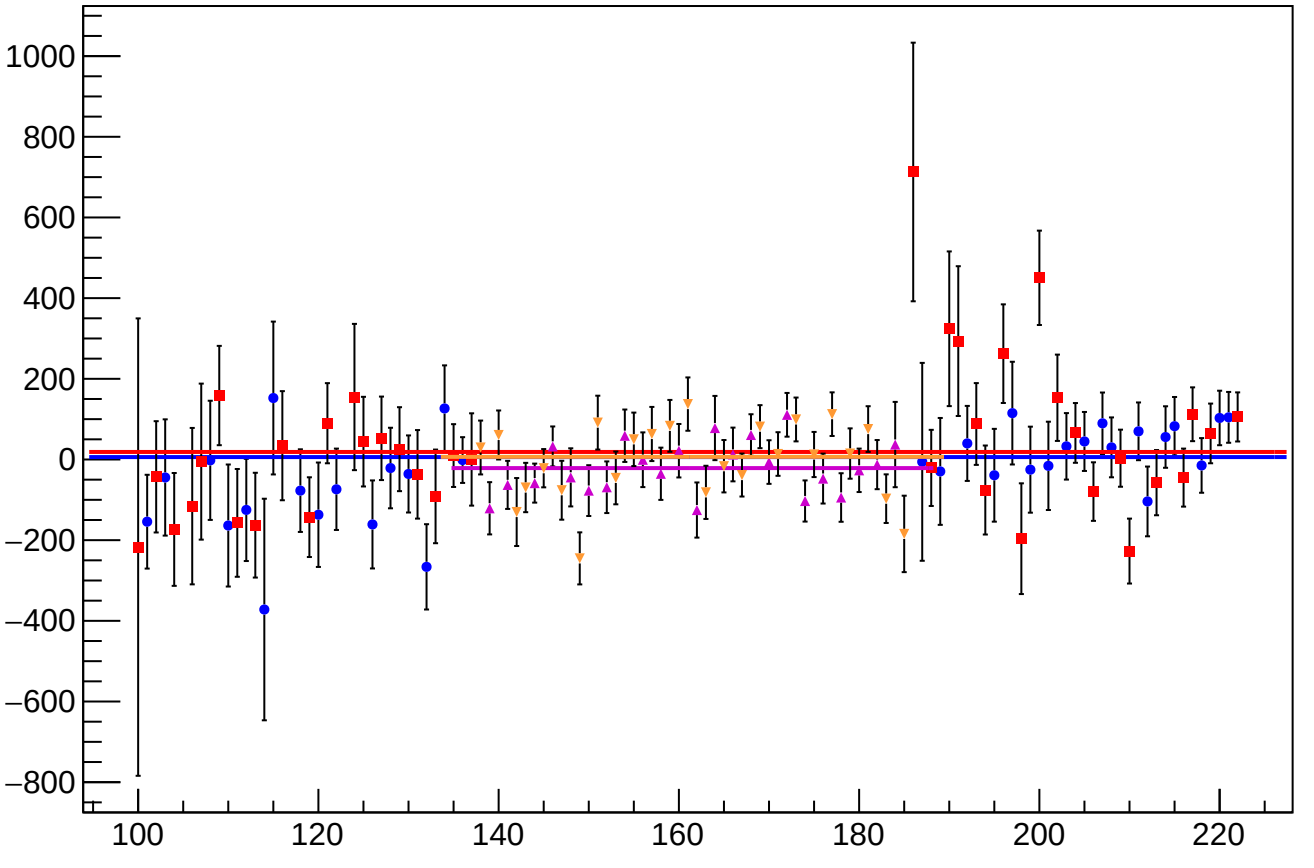
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 758.502+/-0.084 χ^2/NDF: 6194904.3/71

In: 408.624+/-0.050 χ^2/NDF:14211984.5/56

Out: 405.758+/-0.050 χ^2/NDF:16500041.0/62

All: 407.174+/-0.035 χ^2/NDF: 30713665.1/11



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: 18.687+/-16.476 χ^2/NDF: 62.9/37

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

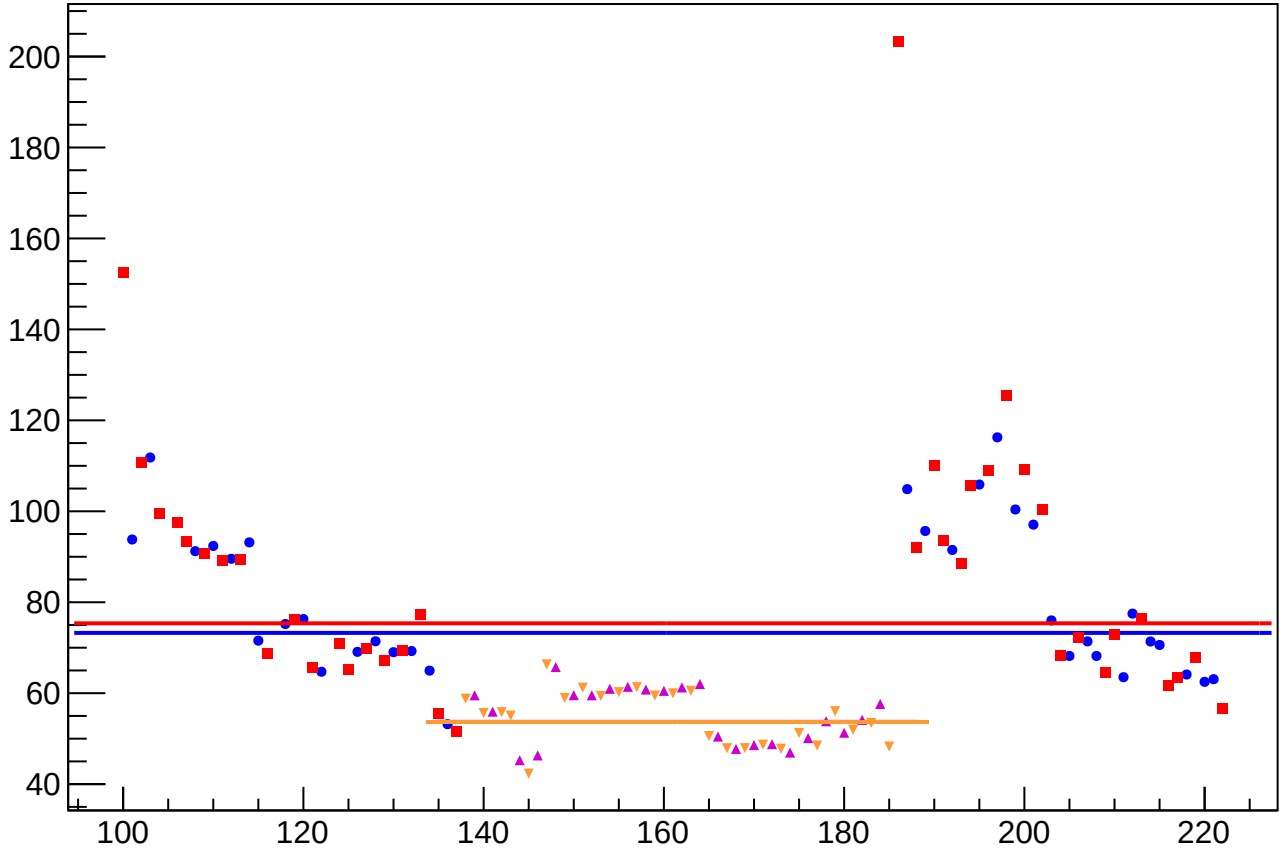
Right: 12.135+/-11.471 χ^2/NDF: 94.6/71

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 10.872+/-9.850 χ^2/NDF:113.9/62

All: 0.103+/-6.989 χ^2/NDF: 174.8/119

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 75.365+/-0.012 χ^2/NDF: 2396936.7/37

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

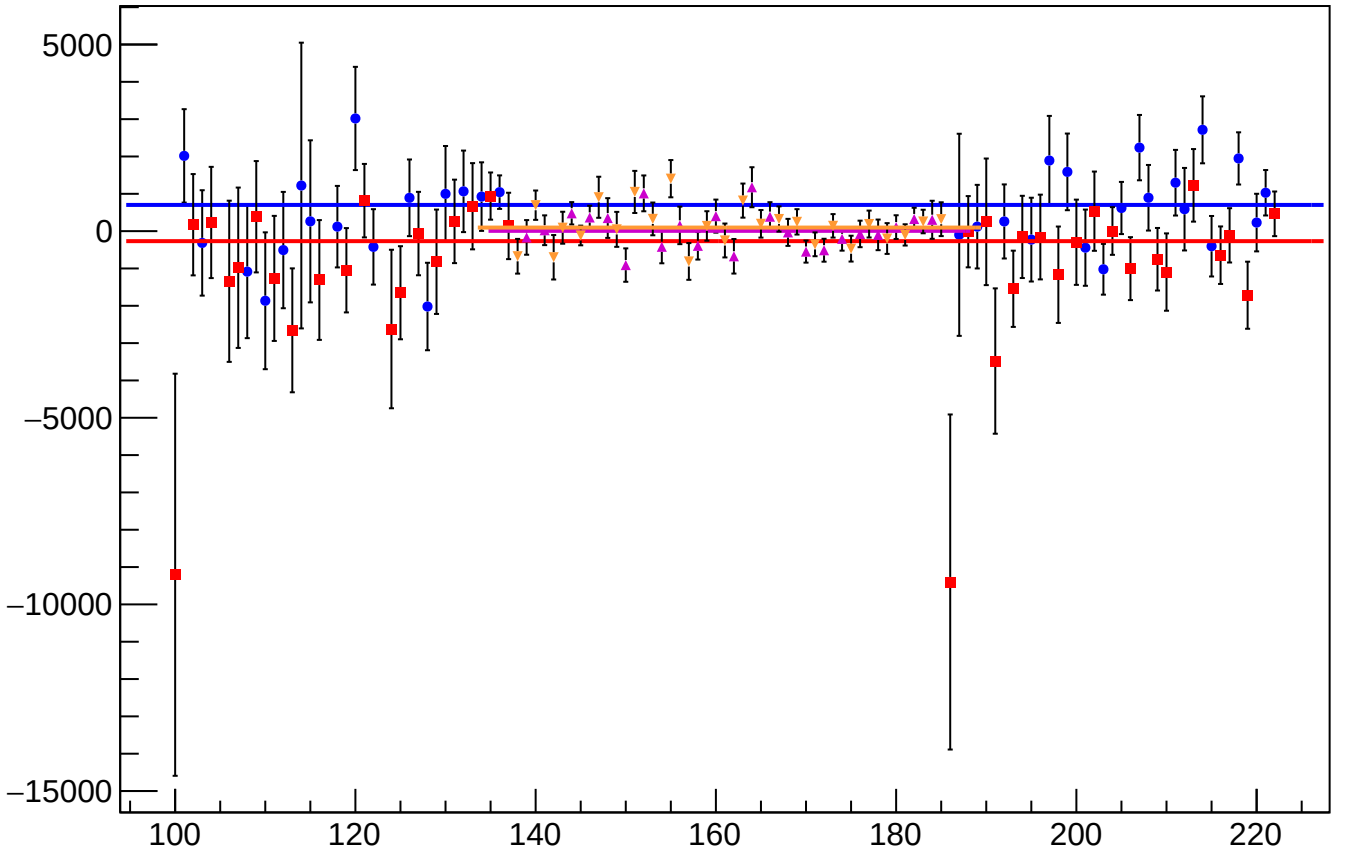
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.281+/-0.008 χ^2/NDF: 4002285.2/71

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.421+/-0.007 χ^2/NDF:5098493.1/62

All: 61.327+/-0.005 χ^2/NDF: 9002172.1/119



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: -268.075+/-172.062 χ^2/NDF: 33.8/37

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

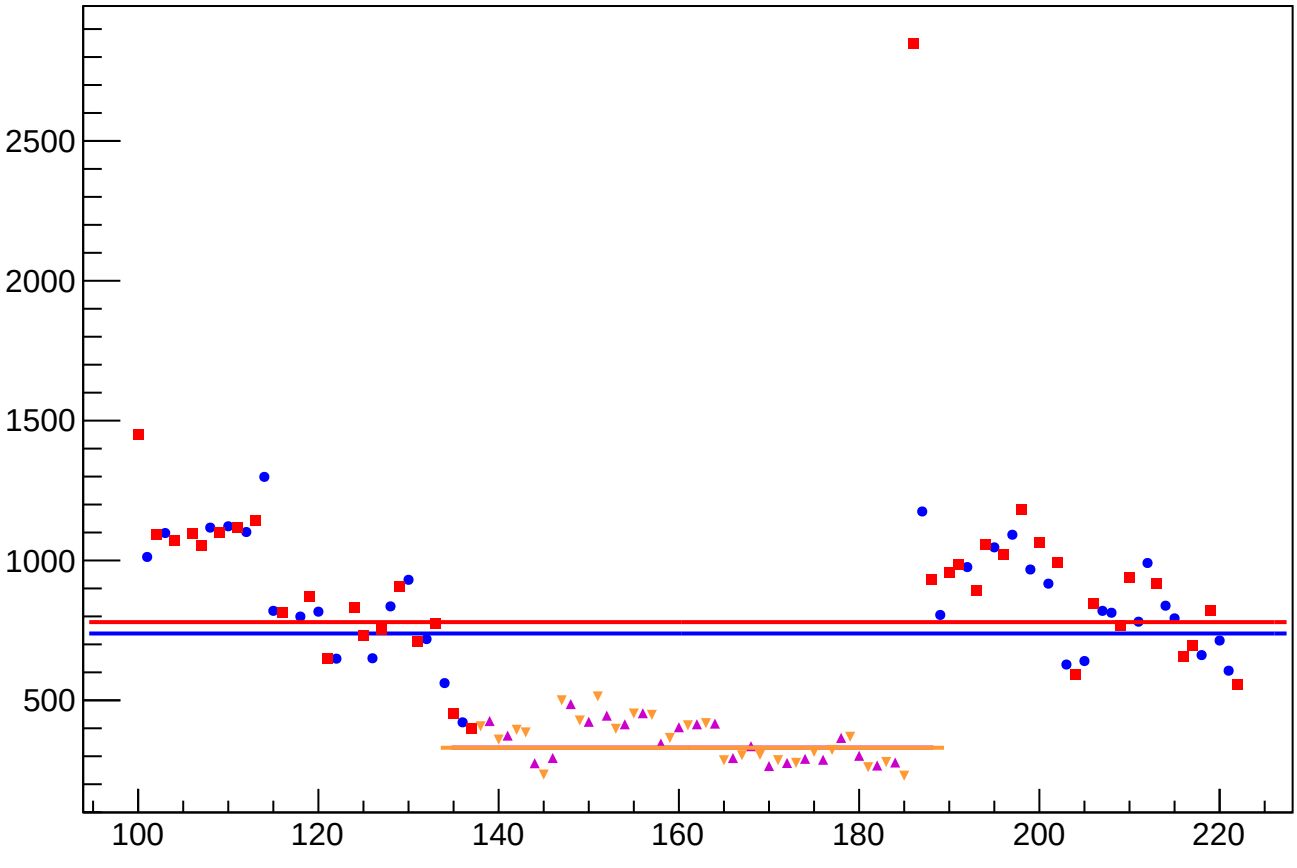
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 242.534+/-118.440 χ^2/NDF: 91.3/71

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 34.626+/-70.385 χ^2/NDF:70.7/62

All: 86.677+/-50.057 χ^2/NDF: 159.5/119



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: 779.622+/-0.122 χ^2/NDF: 3337986.2/37

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

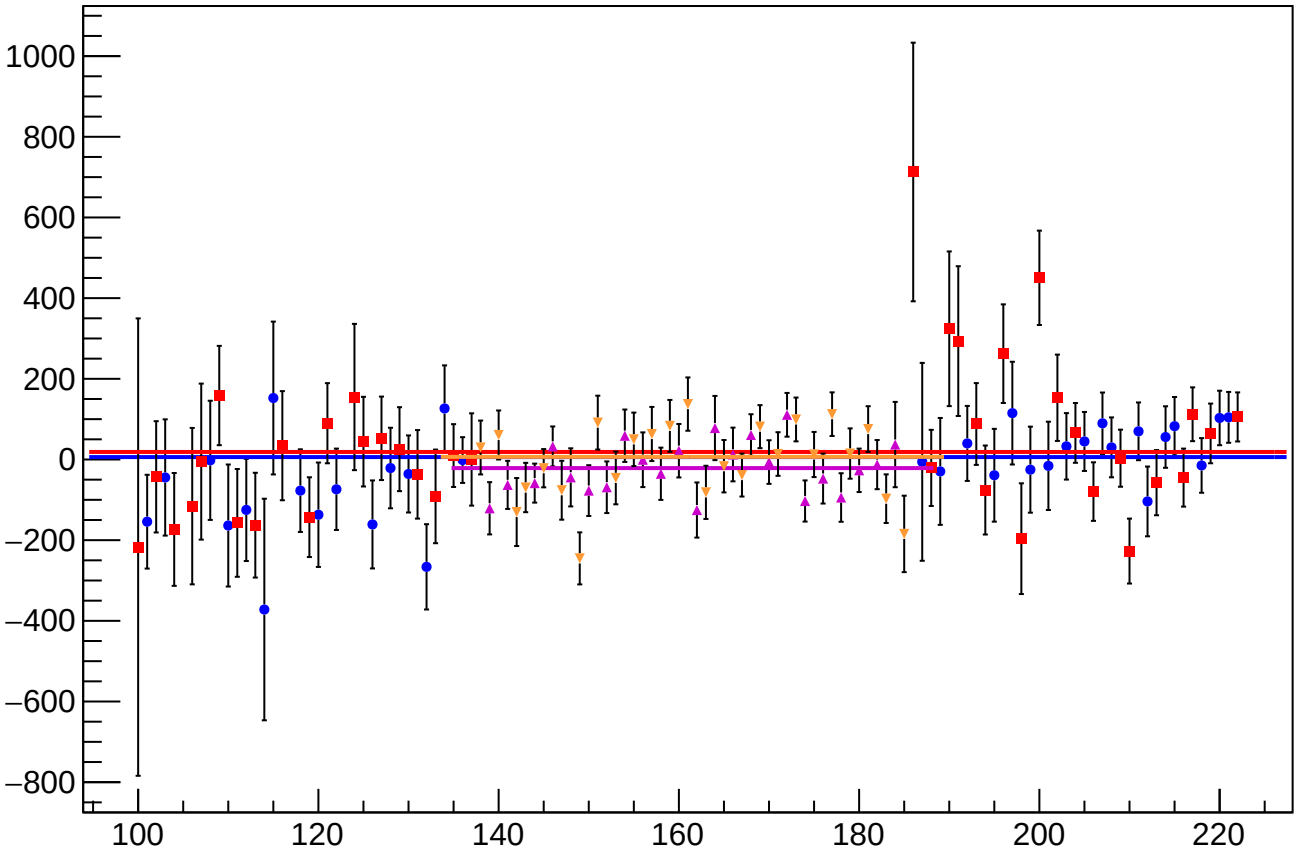
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 758.212+/-0.084 χ^2/NDF: 6176978.2/71

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 405.576+/-0.050 χ^2/NDF:16441682.7/62

All: 407.083+/-0.035 χ^2/NDF: 30655558.1/11



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: 18.687+/-16.476 χ^2/NDF: 62.9/37

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

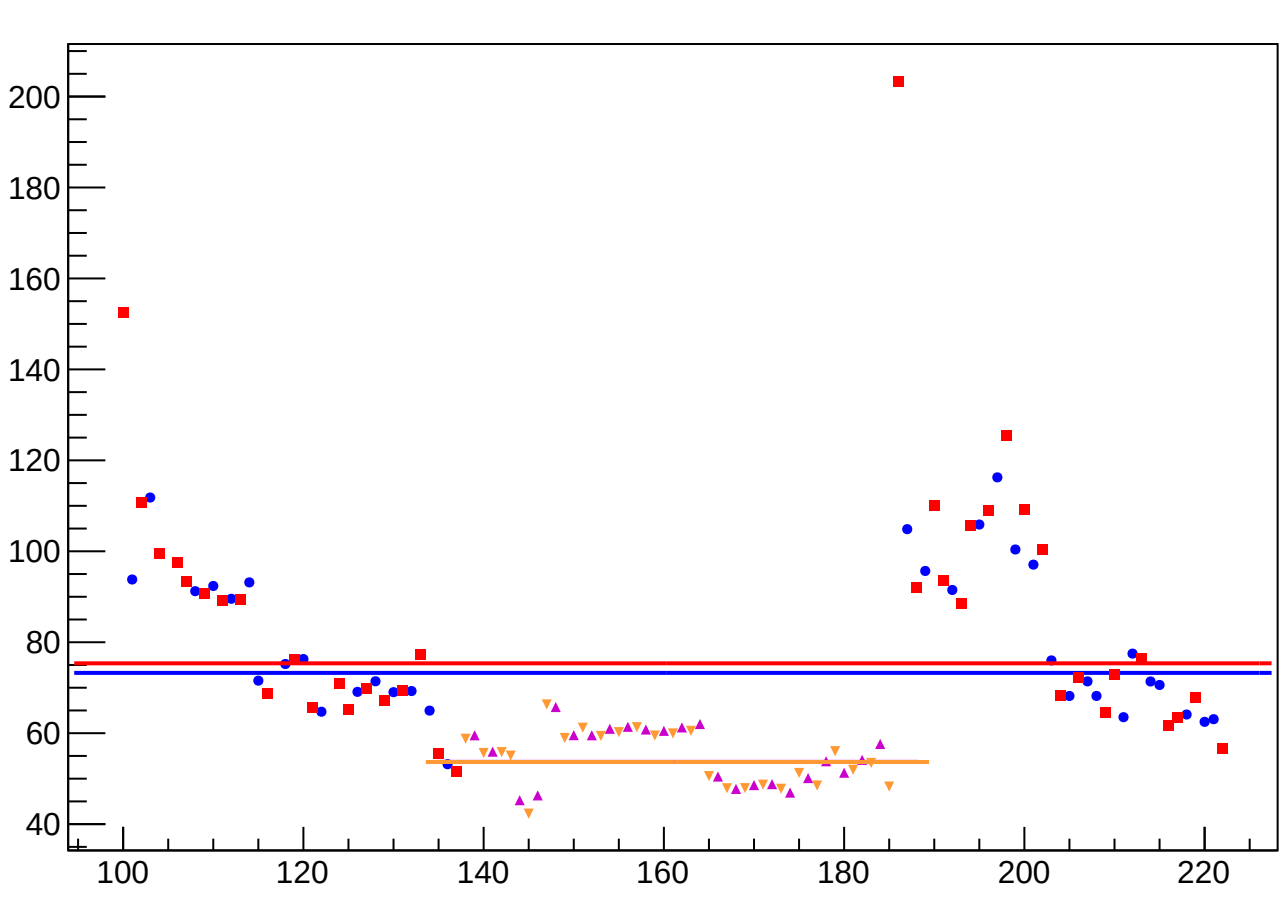
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 12.135+/-11.471 χ^2/NDF: 94.6/71

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 10.872+/-9.850 χ^2/NDF:113.9/62

All: 0.103+/-6.989 χ^2/NDF: 174.8/119



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 75.365+/-0.012 χ^2/NDF: 2396936.7/37

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

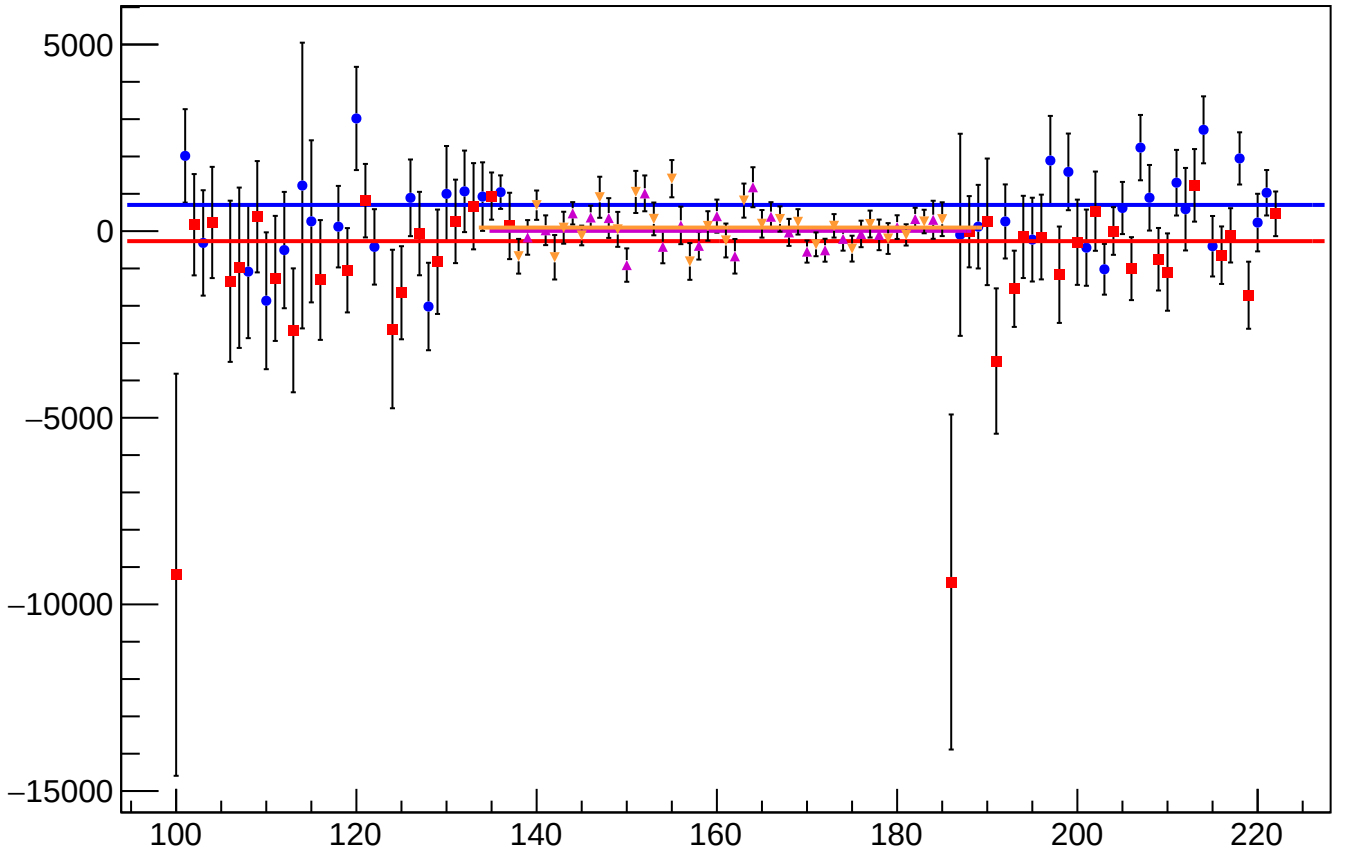
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.281+/-0.008 χ^2/NDF: 4002285.2/71

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.421+/-0.007 χ^2/NDF:5098493.1/62

All: 61.327+/-0.005 χ^2/NDF: 9002172.1/119



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: -268.075+/-172.062 χ^2/NDF: 33.8/37

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

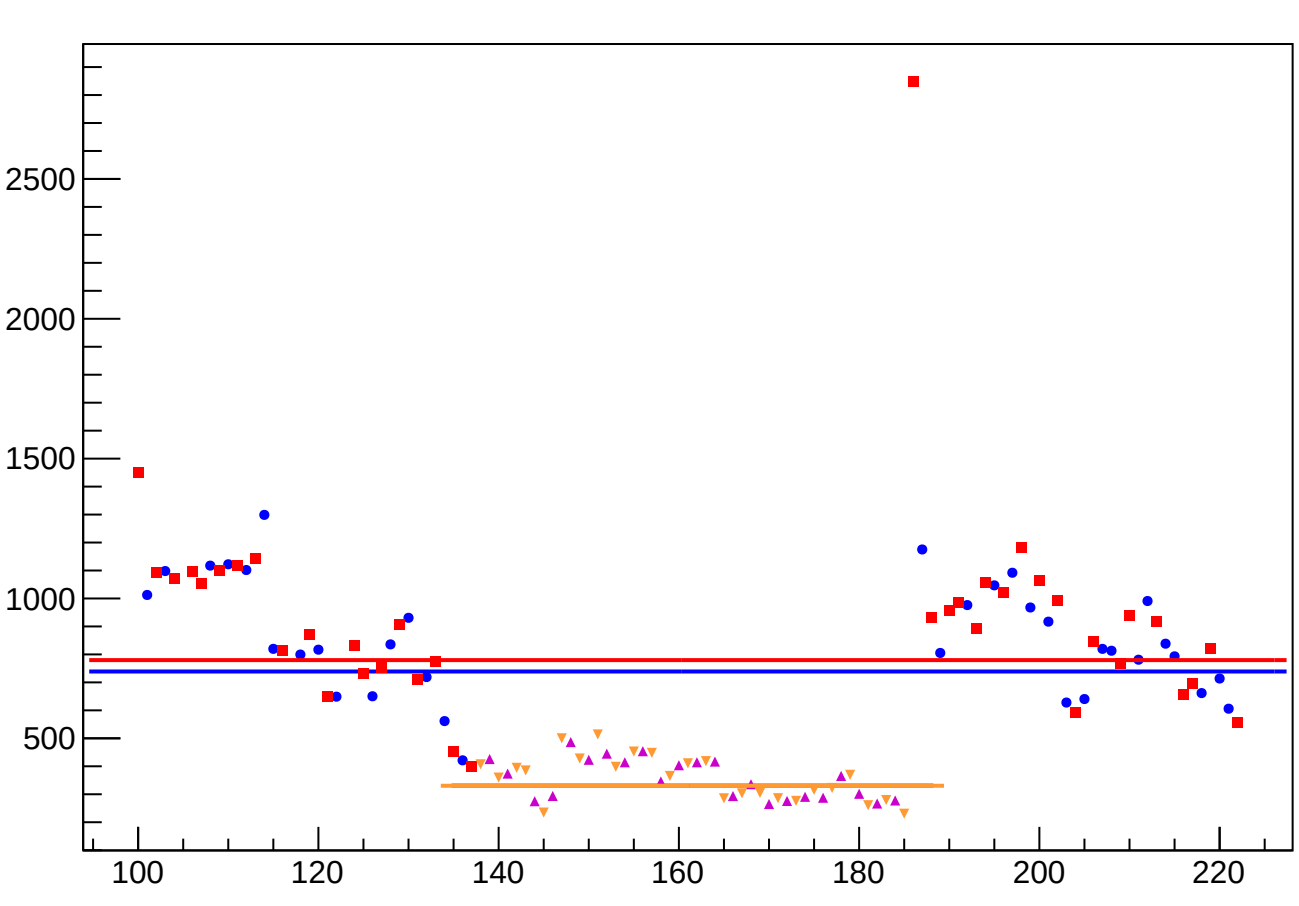
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 242.534+/-118.440 χ^2/NDF: 91.3/71

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 34.626+/-70.385 χ^2/NDF:70.7/62

All: 86.677+/-50.057 χ^2/NDF: 159.5/119



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: 779.622+/-0.122 χ^2/NDF: 3337986.2/37

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

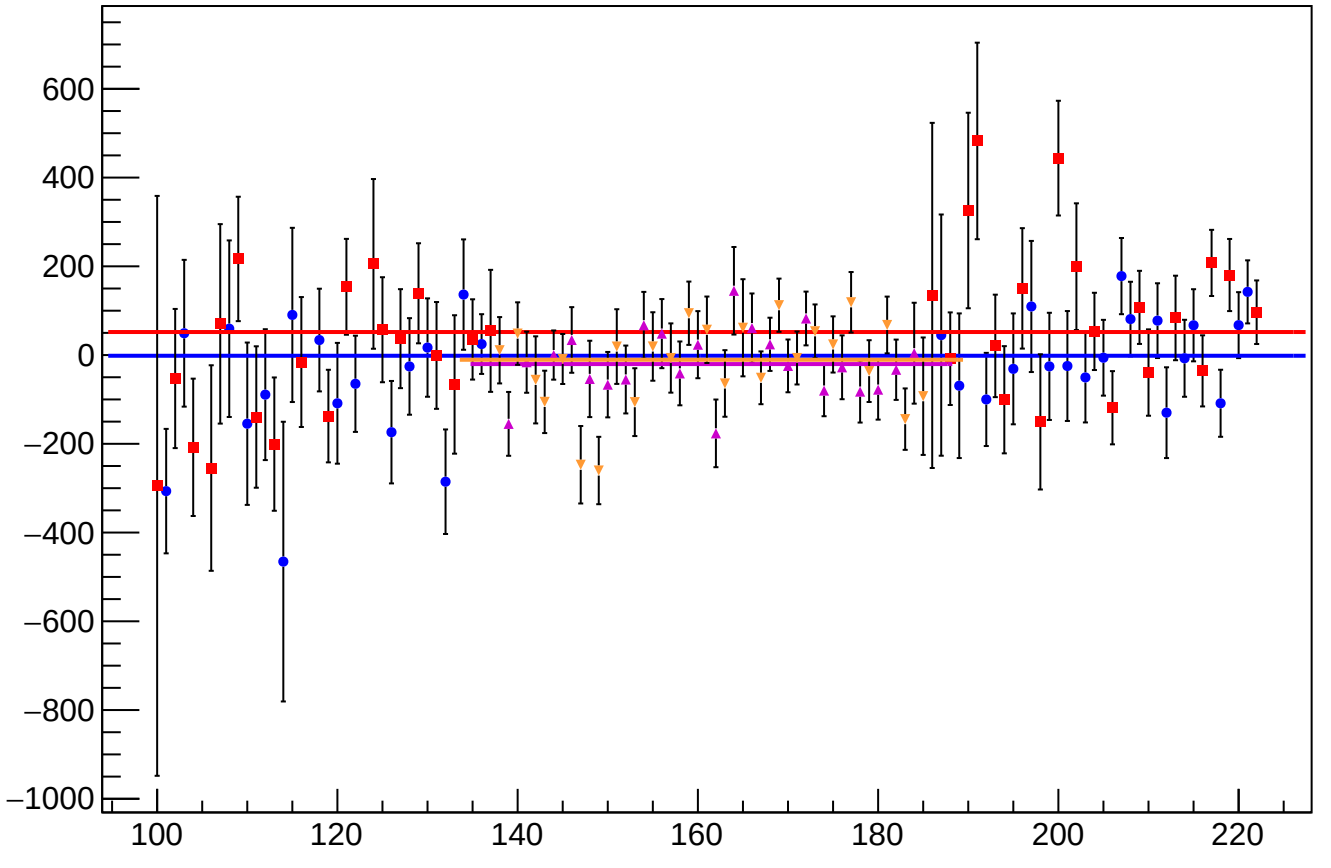
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 758.212+/-0.084 χ^2/NDF: 6176978.2/71

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 405.576+/-0.050 χ^2/NDF:16441682.7/62

All: 407.083+/-0.035 χ^2/NDF: 30655558.1/11



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: 51.934+/-18.771 χ^2/NDF: 51.5/37

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

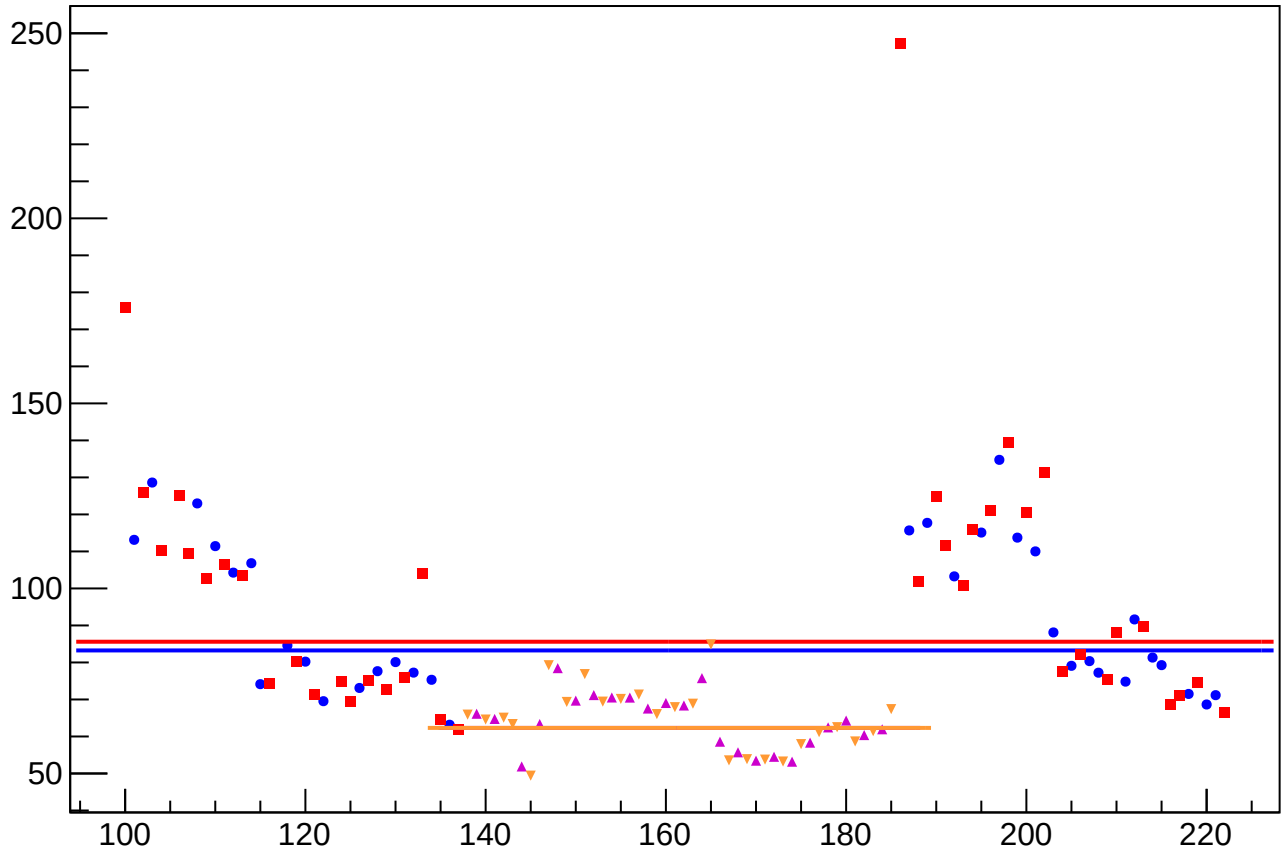
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 24.408+/-13.078 χ^2/NDF: 92.1/71

In: -12.888+/-11.467 χ^2/NDF:58.7/56

Out: 12.377+/-11.381 χ^2/NDF:100.7/62

All: -0.160+/-8.078 χ^2/NDF: 161.9/119



Right In: 83.248+/-0.013 χ^2/NDF: 1700189.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 85.602+/-0.013 χ^2/NDF: 2527659.1/37

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

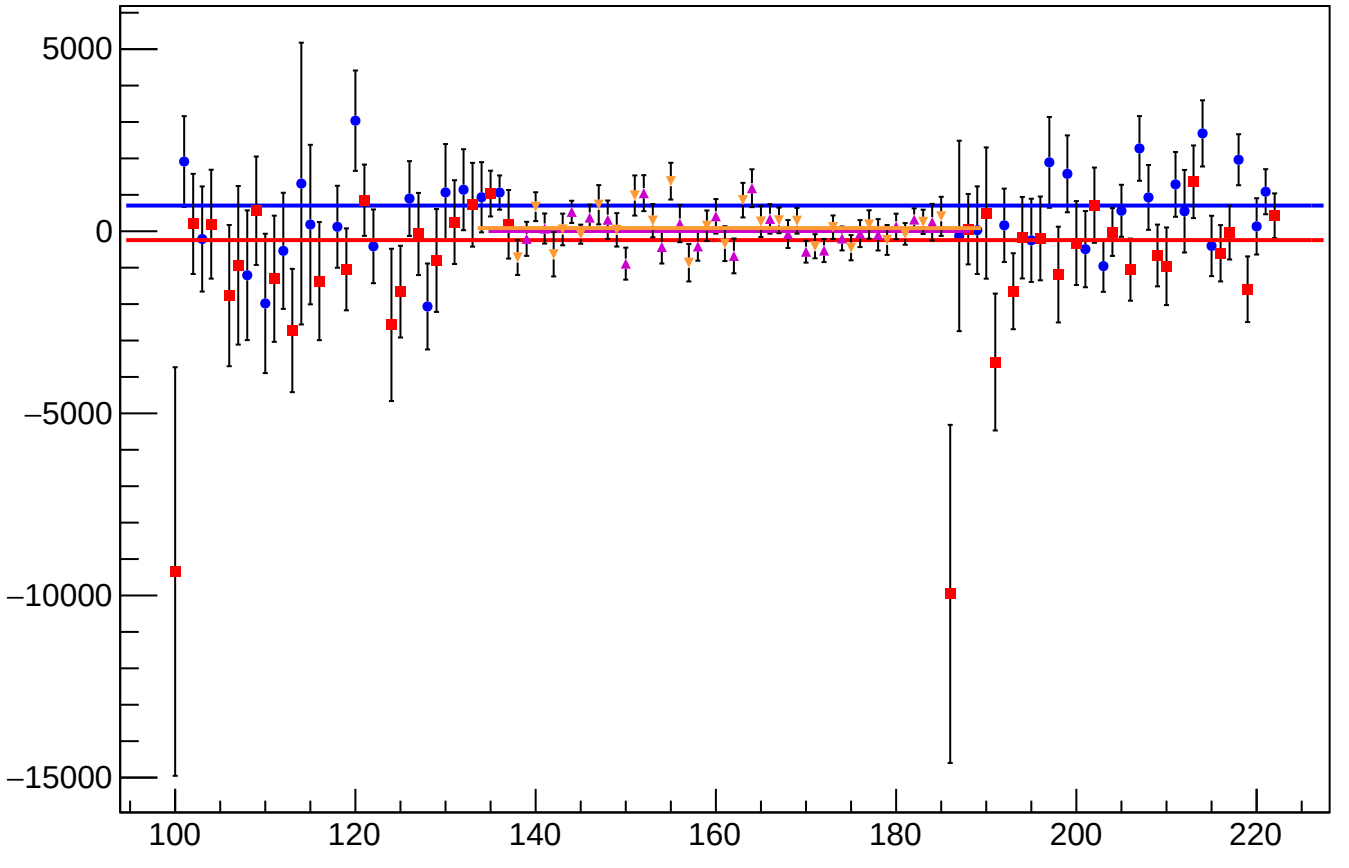
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 84.391+/-0.009 χ^2/NDF: 4244039.9/71

In: 70.594+/-0.008 χ^2/NDF:3779016.8/56

Out: 70.876+/-0.008 χ^2/NDF:5110381.9/62

All: 70.736+/-0.006 χ^2/NDF: 8890008.4/119



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: -243.269+/-174.145 χ^2/NDF: 35.6/37

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

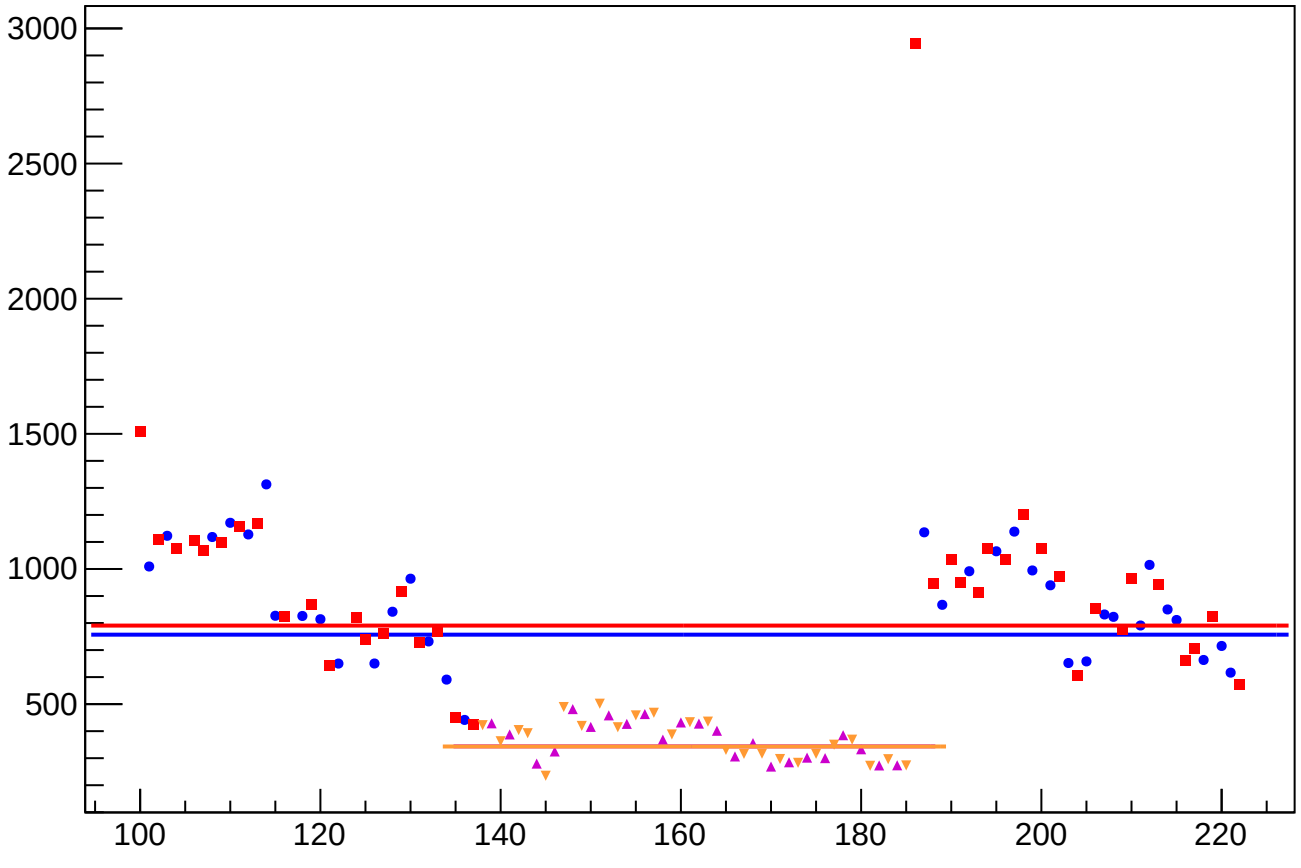
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 251.149+/-120.506 χ^2/NDF: 91.1/71

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 29.628+/-72.573 χ^2/NDF:70.2/62

All: 85.292+/-51.704 χ^2/NDF: 158.0/119



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: 790.596+/-0.123 χ^2/NDF: 3322712.1/37

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

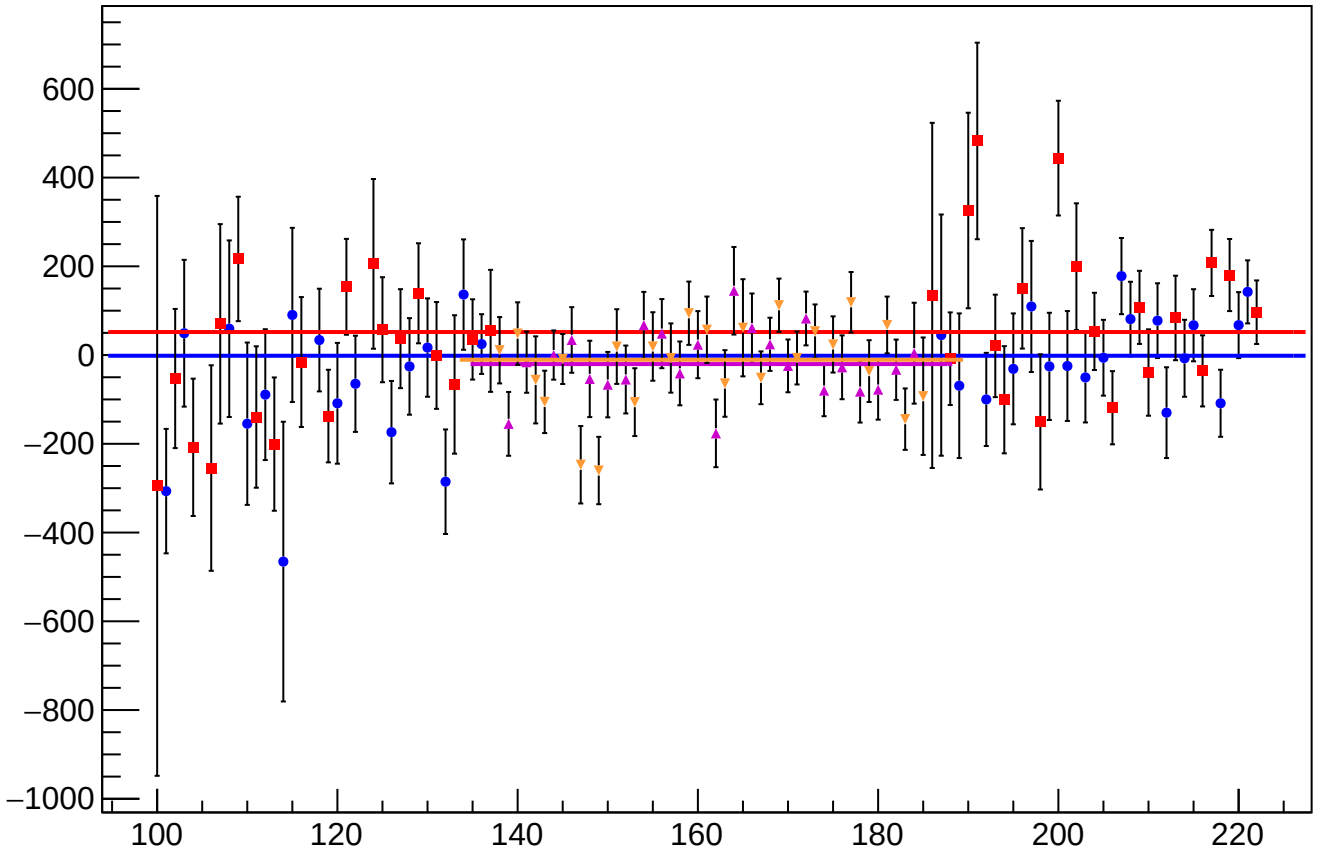
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 773.083+/-0.085 χ^2/NDF: 6025849.7/71

In: 424.231+/-0.052 χ^2/NDF:13793227.4/56

Out: 420.922+/-0.051 χ^2/NDF:15824916.3/62

All: 422.551+/-0.037 χ^2/NDF: 29620191.4/11



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: 51.933+/-18.771 χ^2/NDF: 51.5/37

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

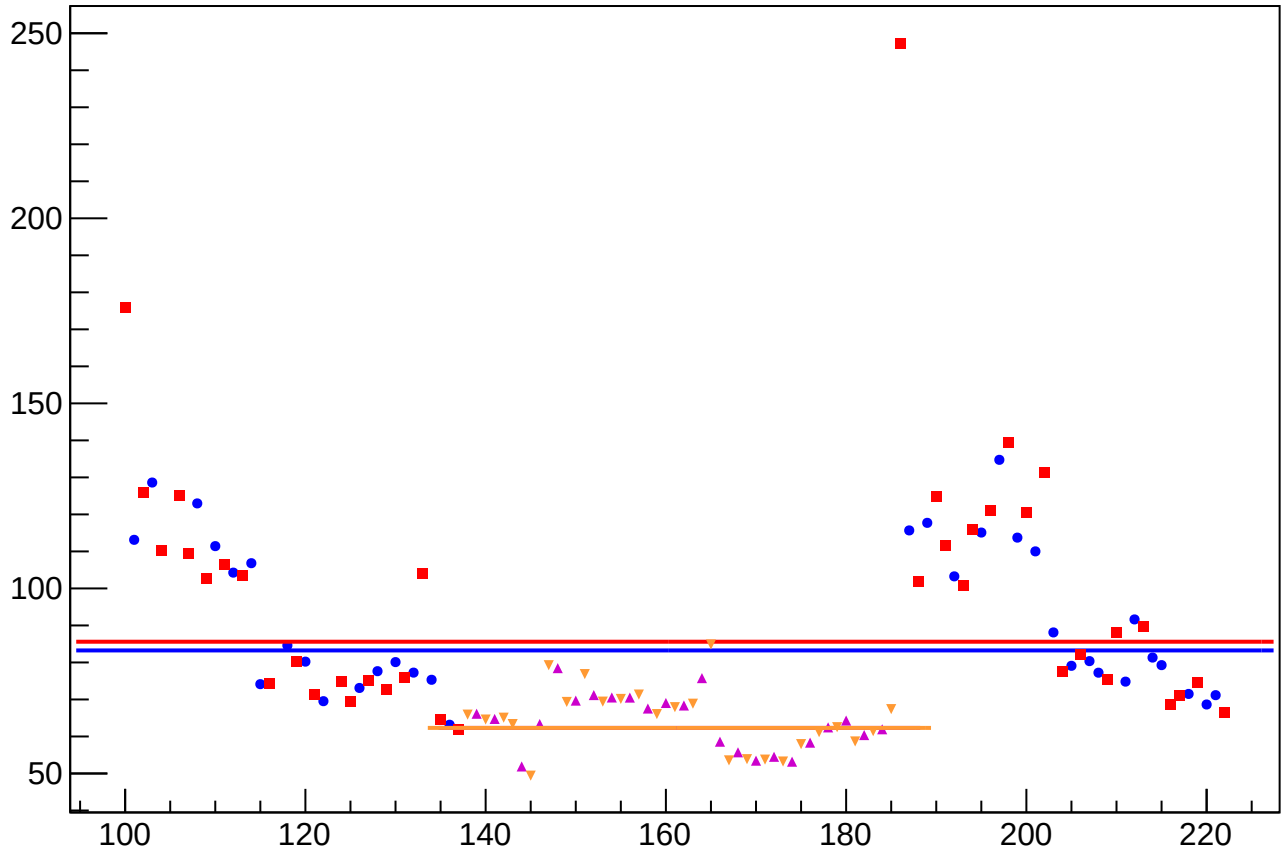
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 24.407+/-13.078 χ^2/NDF: 92.1/71

In: -12.889+/-11.467 χ^2/NDF:58.7/56

Out: 12.377+/-11.381 χ^2/NDF:100.7/62

All: -0.160+/-8.078 χ^2/NDF: 161.9/119



Right In: 83.248+/-0.013 χ^2/NDF: 1700197.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 85.602+/-0.013 χ^2/NDF: 2527646.0/37

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

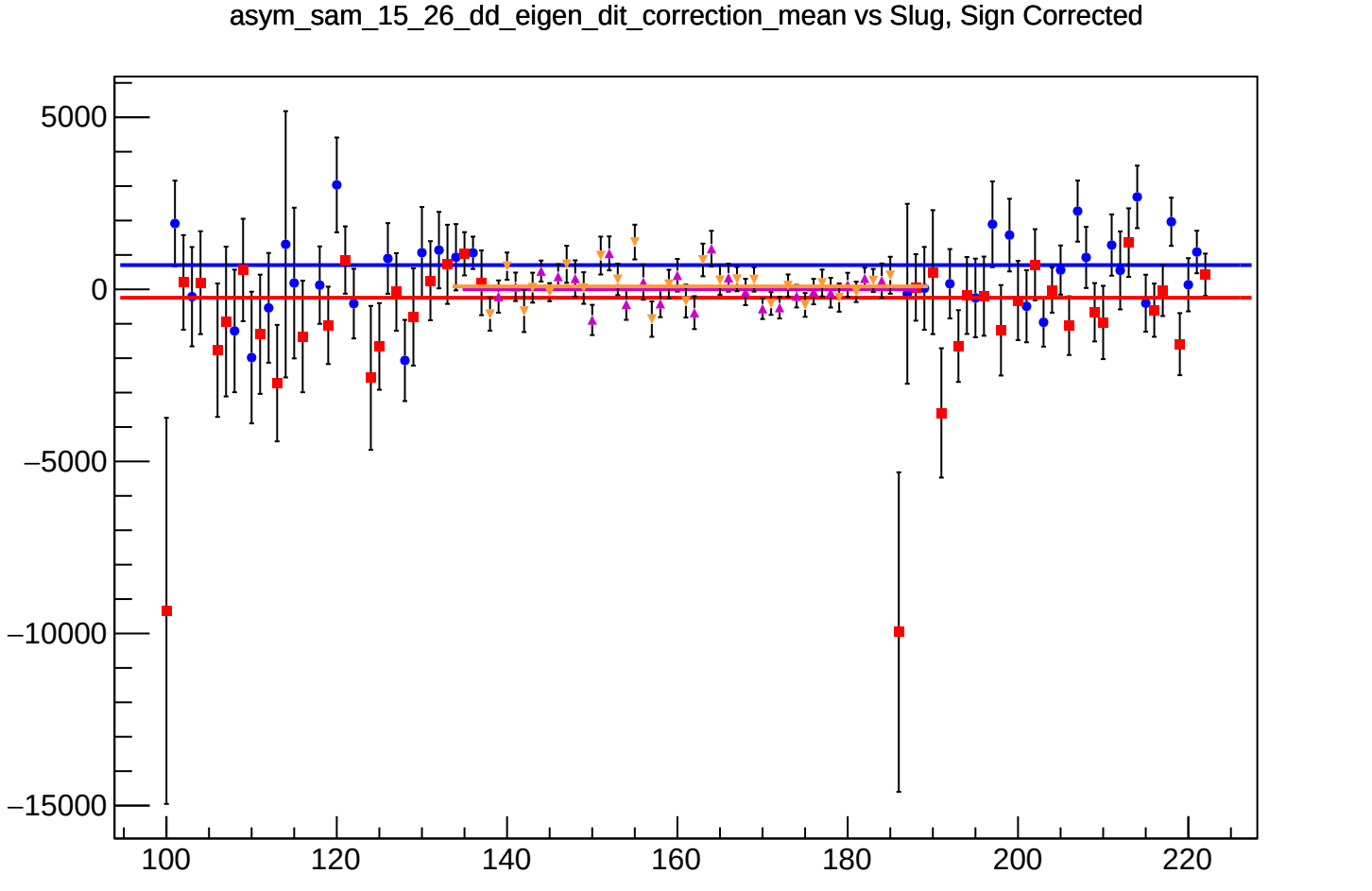
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 84.391+/-0.009 χ^2/NDF: 4244036.2/71

In: 70.594+/-0.008 χ^2/NDF:3778968.2/56

Out: 70.876+/-0.008 χ^2/NDF:5110350.4/62

All: 70.736+/-0.006 χ^2/NDF: 8889927.9/119



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: -243.270+/-174.145 χ^2/NDF: 35.6/37

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

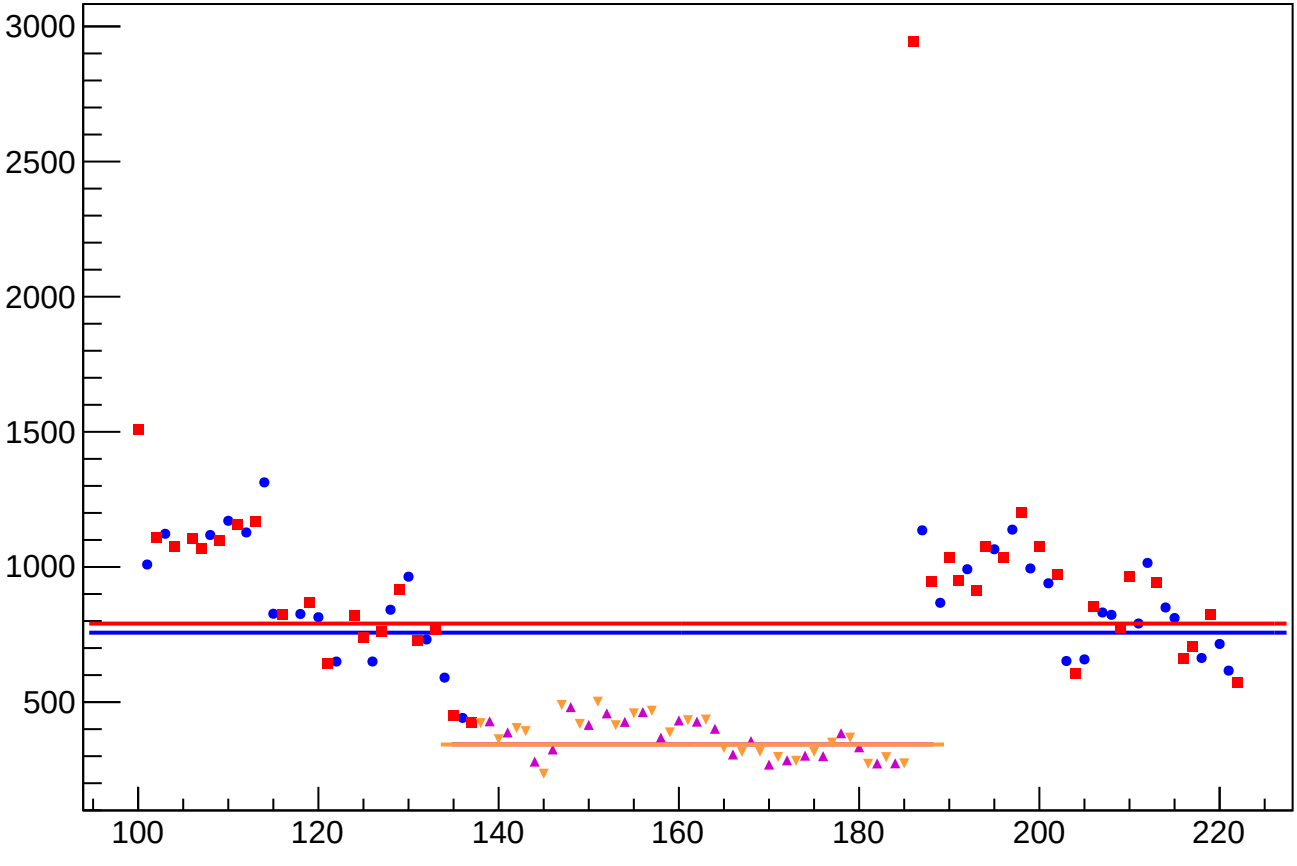
Right: 251.149+/-120.506 χ^2/NDF: 91.1/71

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 29.628+/-72.573 χ^2/NDF:70.2/62

All: 85.292+/-51.704 χ^2/NDF: 158.0/119

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: 790.597+/-0.123 χ^2/NDF: 3322698.1/37

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

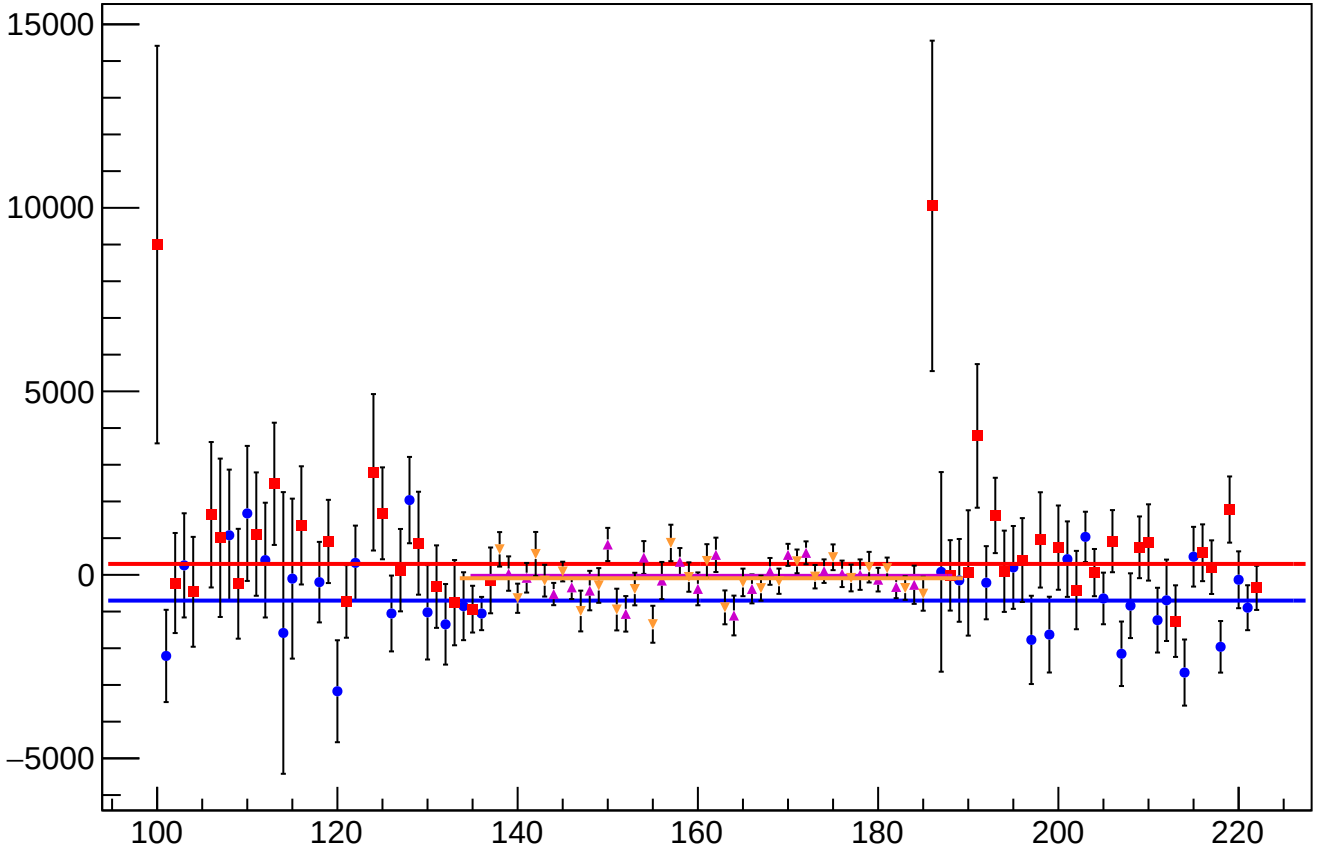
Right: 773.083+/-0.085 χ^2/NDF: 6025825.9/71

In: 424.231+/-0.052 χ^2/NDF:13793220.9/56

Out: 420.922+/-0.051 χ^2/NDF:15824926.5/62

All: 422.551+/-0.037 χ^2/NDF: 29620195.3/11

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: 297.728+/-172.839 χ^2/NDF: 33.7/37

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

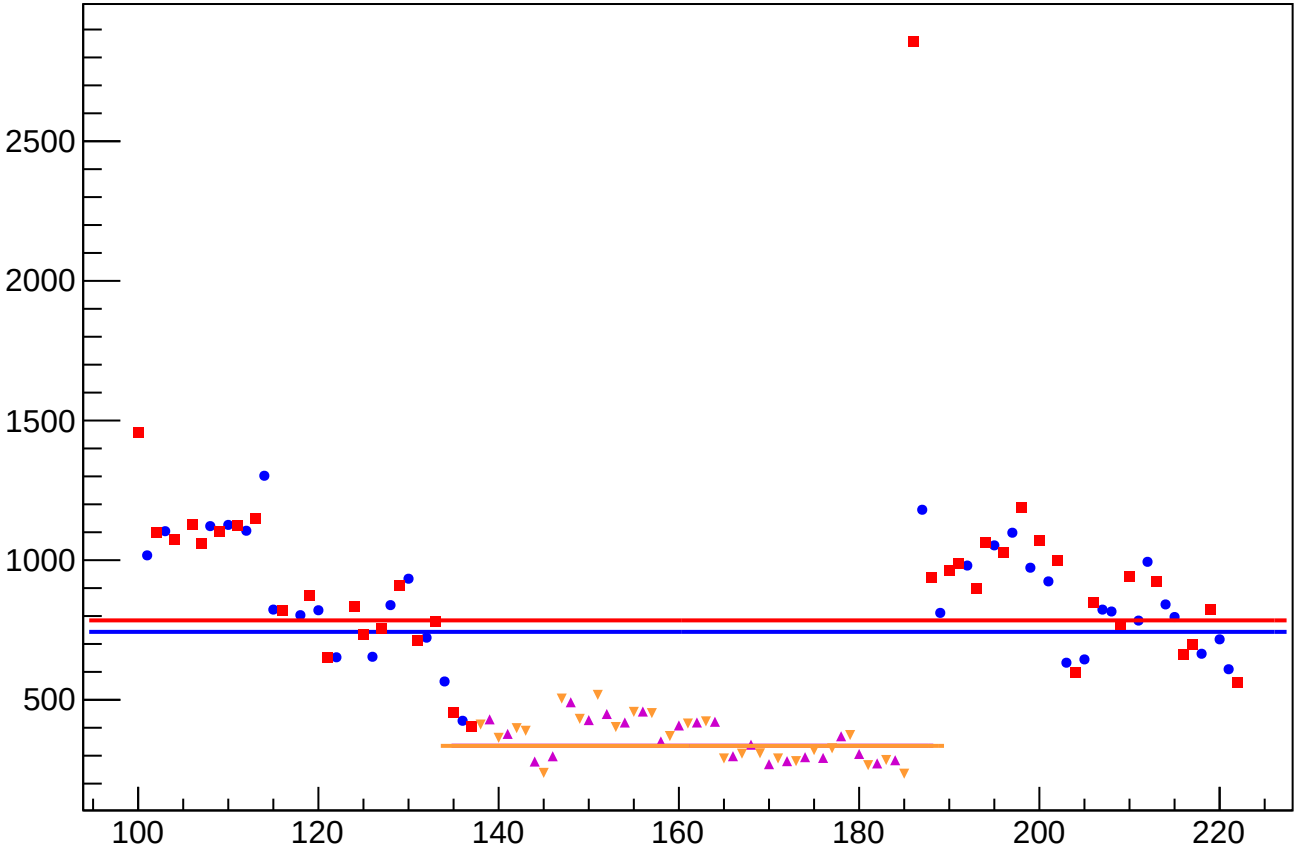
Right: -227.521+/-119.041 χ^2/NDF: 91.7/71

In: -157.092+/-72.068 χ^2/NDF:85.0/56

Out: -26.356+/-71.235 χ^2/NDF:72.2/62

All: -90.964+/-50.663 χ^2/NDF: 158.8/119

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: 784.433+/-0.122 χ^2/NDF: 3337664.7/37

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

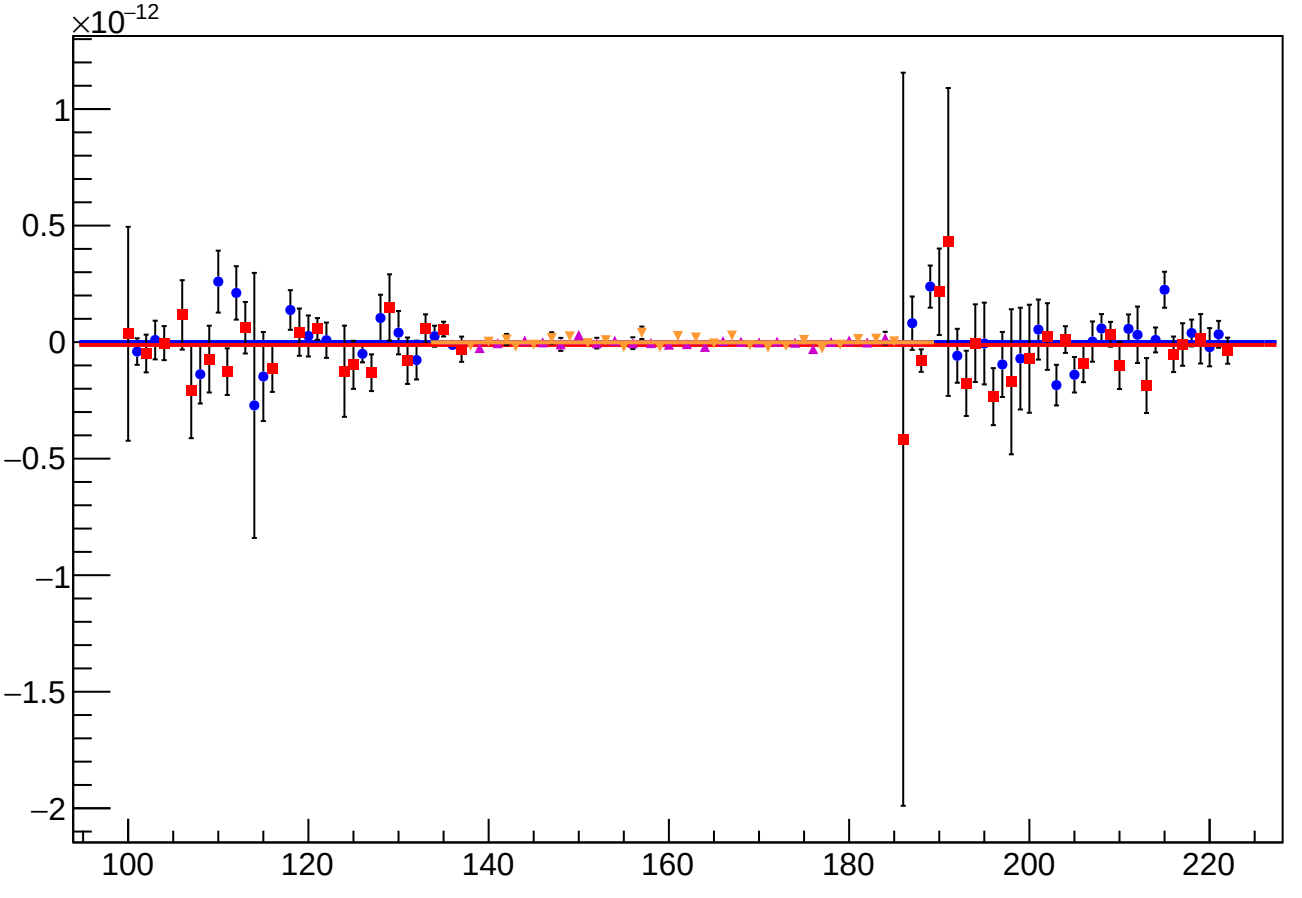
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 762.820+/-0.084 χ^2/NDF: 6152074.3/71

In: 414.299+/-0.051 χ^2/NDF:13993264.0/56

Out: 411.467+/-0.050 χ^2/NDF:16262231.6/62

All: 412.867+/-0.036 χ^2/NDF: 30257057.1/11



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: 32.7/37

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

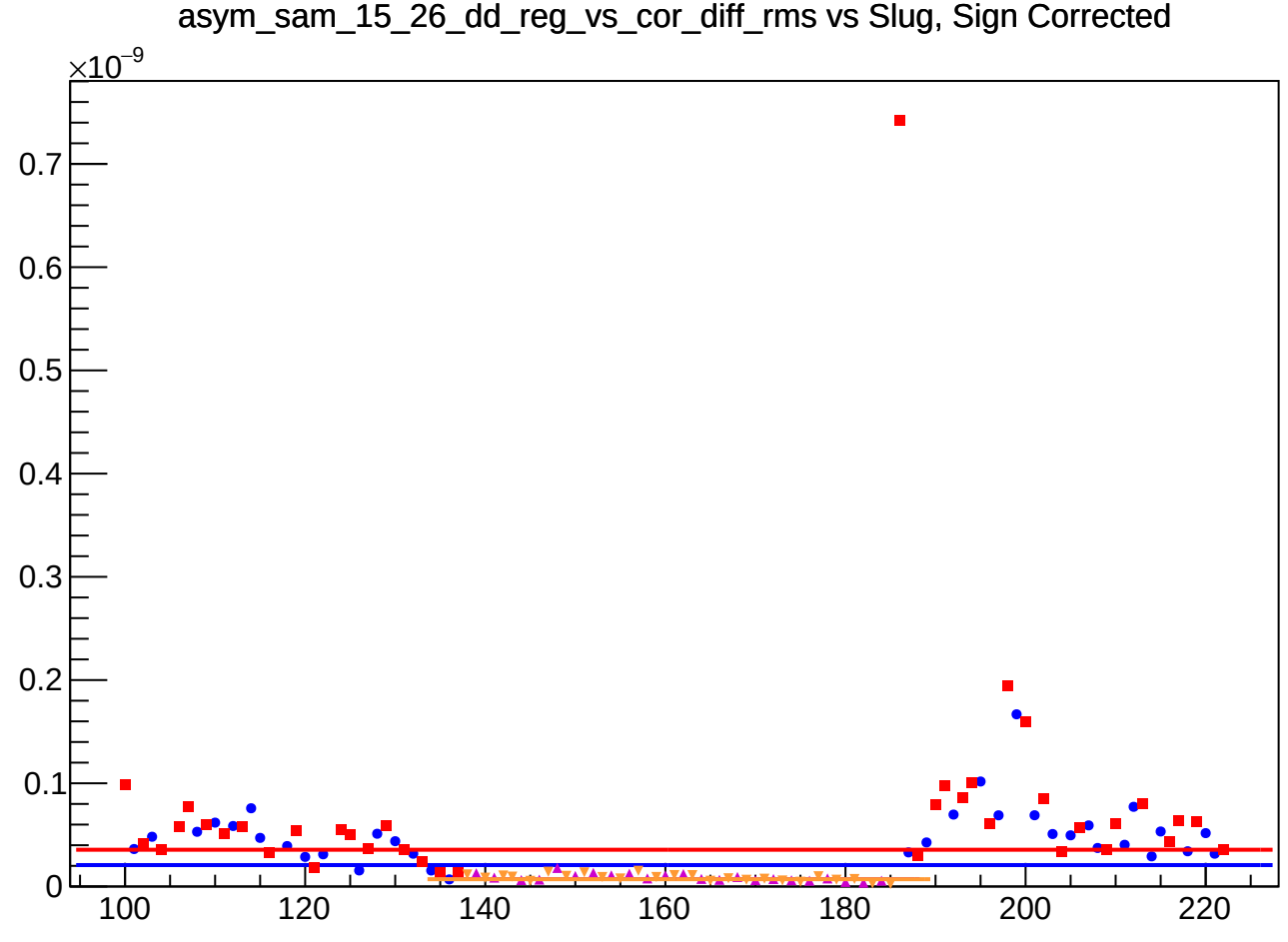
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 78.5/71

In: -0.000+/-0.000 χ^2/NDF:60.0/56

Out: -0.000+/-0.000 χ^2/NDF:66.6/62

All: -0.000+/-0.000 χ^2/NDF: 126.7/119



Right In: 0.000+/-0.000 χ^2/NDF: 8911533.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623155.1/37

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

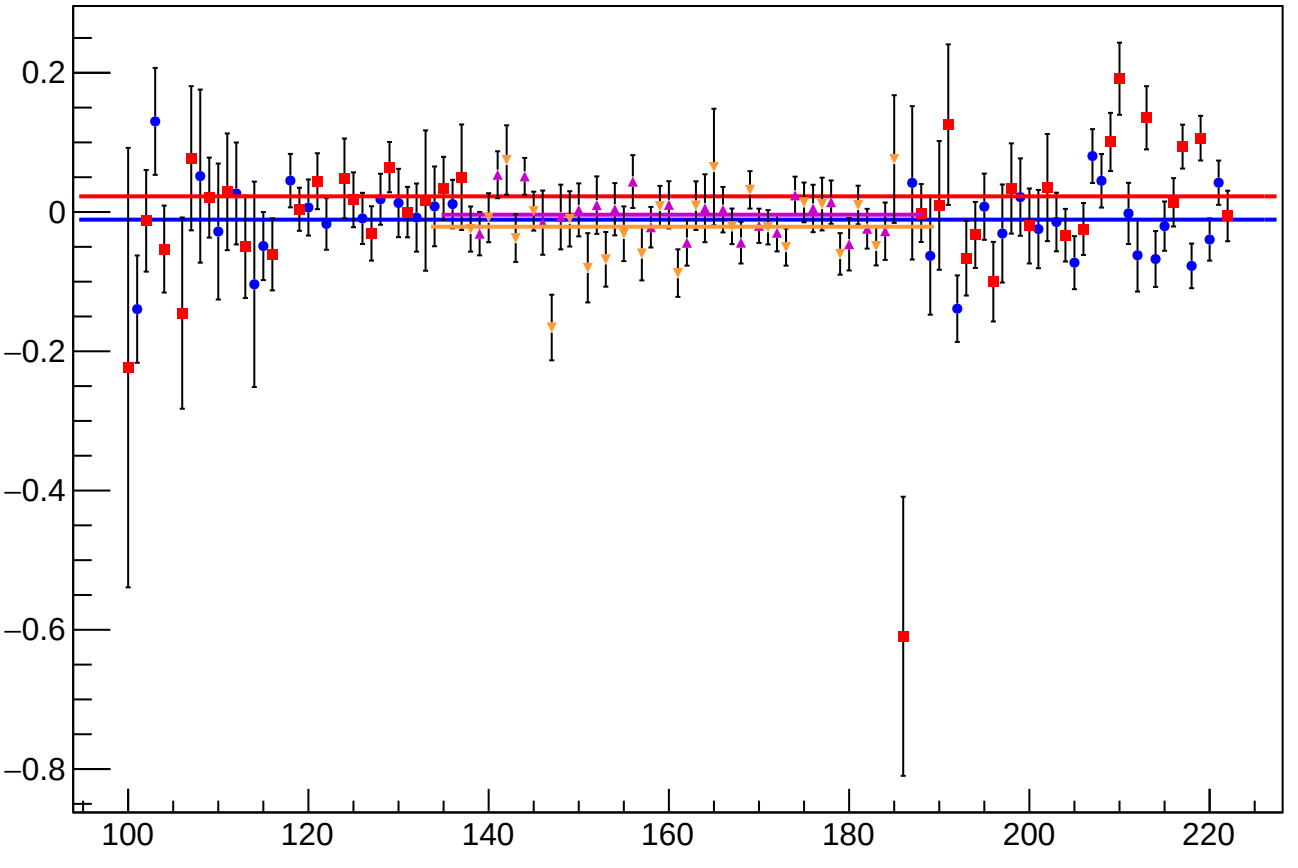
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16234529.7/71

In: 0.000+/-0.000 χ^2/NDF:14469960.3/56

Out: 0.000+/-0.000 χ^2/NDF:16507037.0/62

All: 0.000+/-0.000 χ^2/NDF: 30980293.2/119



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: 0.023+/-0.008 χ^2/NDF: 69.4/37

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

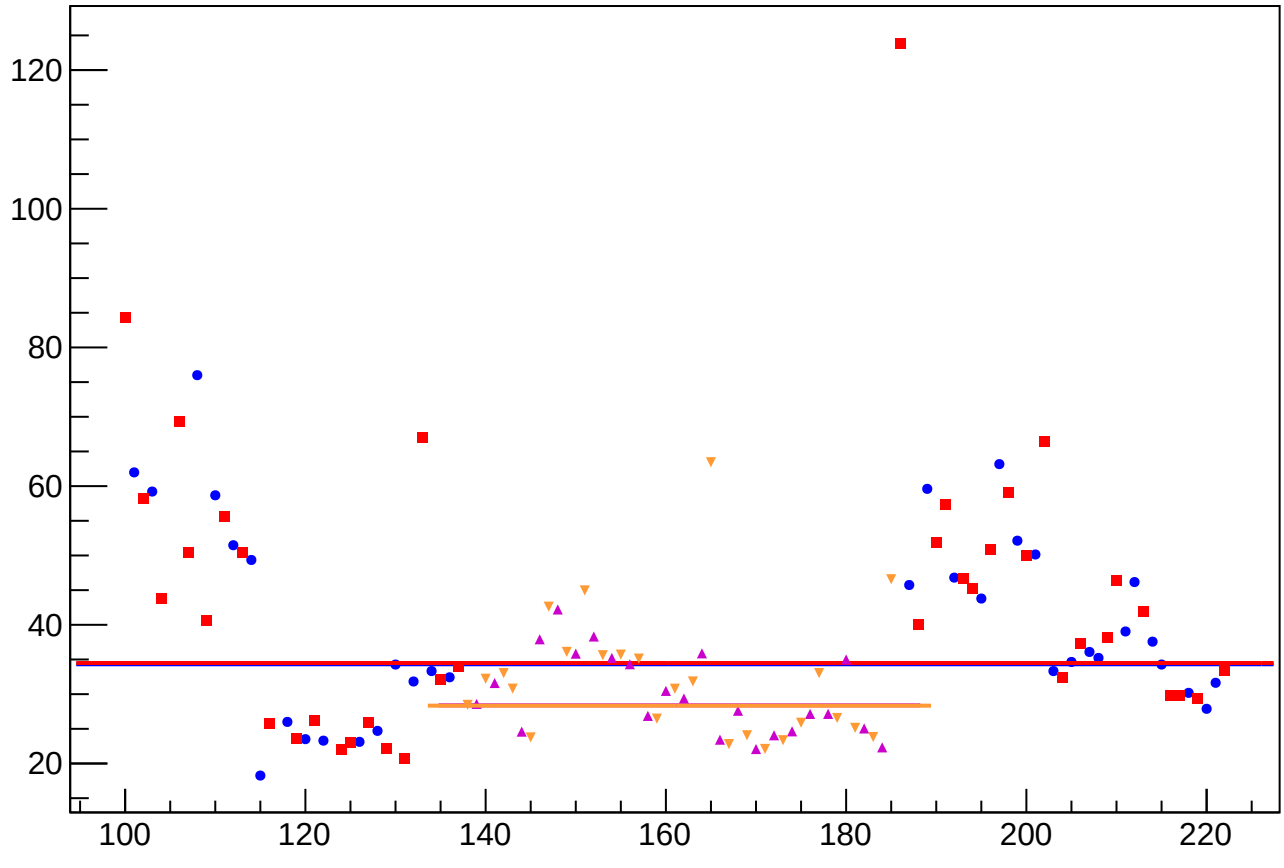
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.006 χ^2/NDF: 119.8/71

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/62

All: -0.005+/-0.004 χ^2/NDF: 185.2/119



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: 34.491+/-0.006 χ^2/NDF: 4289317.8/37

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

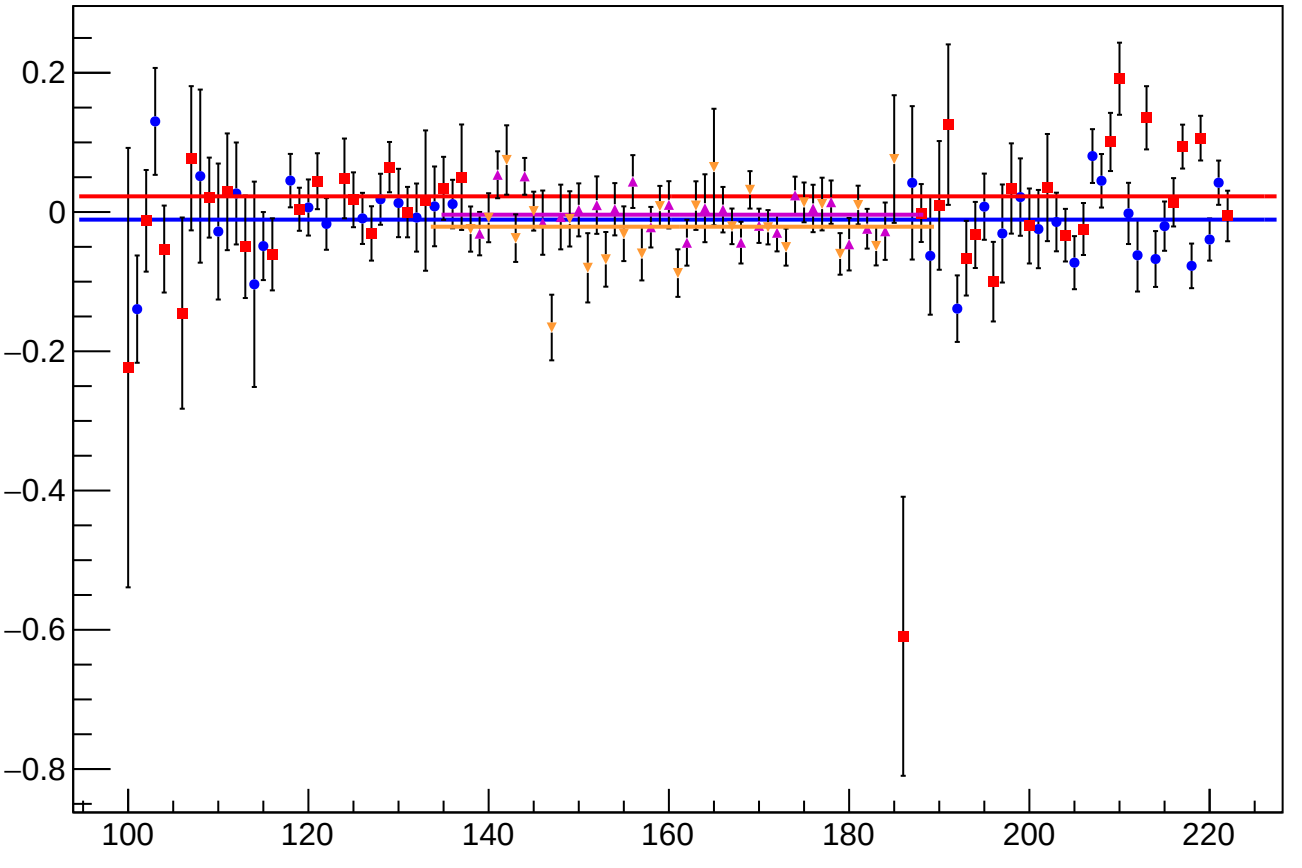
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.401+/-0.004 χ^2/NDF: 7603748.0/71

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 30.919+/-0.004 χ^2/NDF:6735467.3/62

All: 30.950+/-0.003 χ^2/NDF: 11800965.7/119



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: 0.023+/-0.008 χ^2/NDF: 69.4/37

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

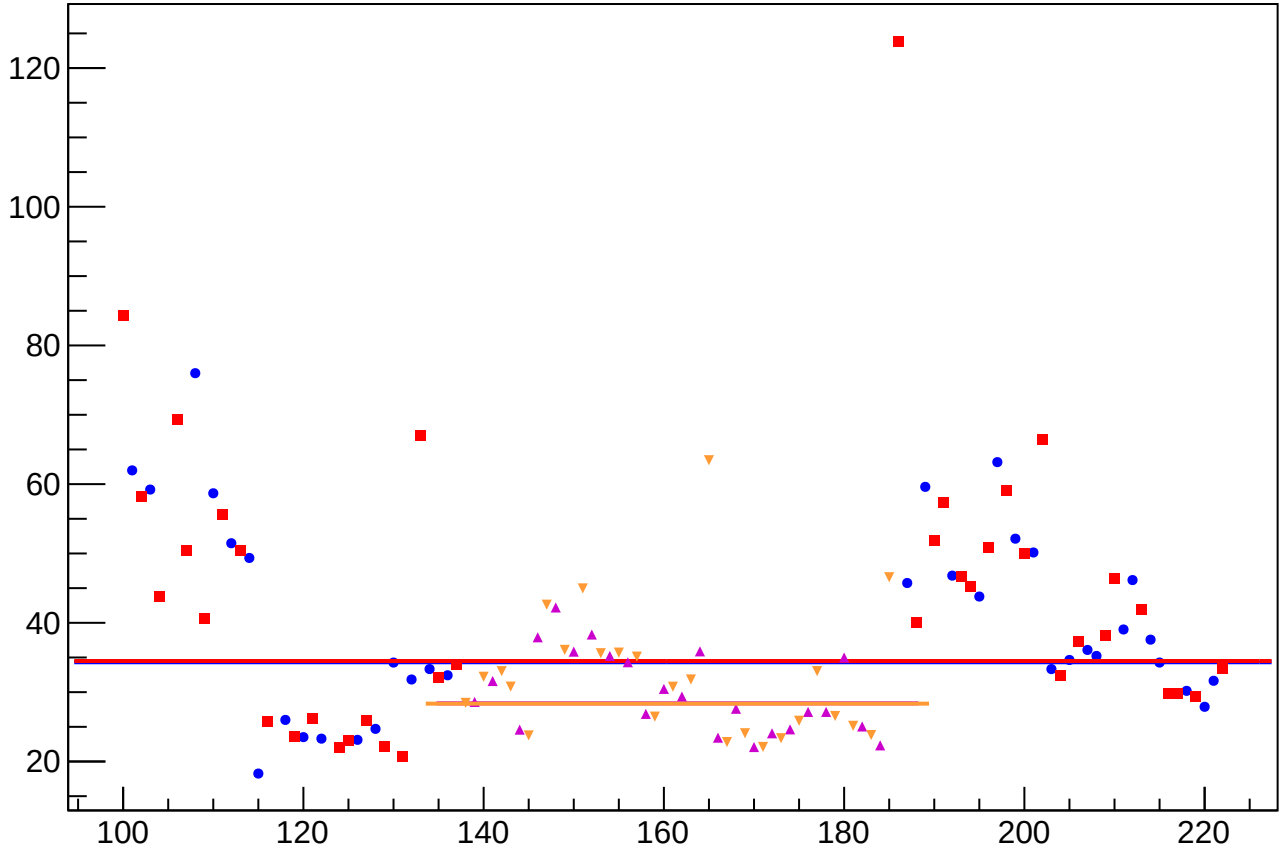
Right: 0.006+/-0.006 χ^2/NDF: 119.8/71

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/62

All: -0.005+/-0.004 χ^2/NDF: 185.2/119

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: 34.491+/-0.006 χ^2/NDF: 4289317.8/37

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

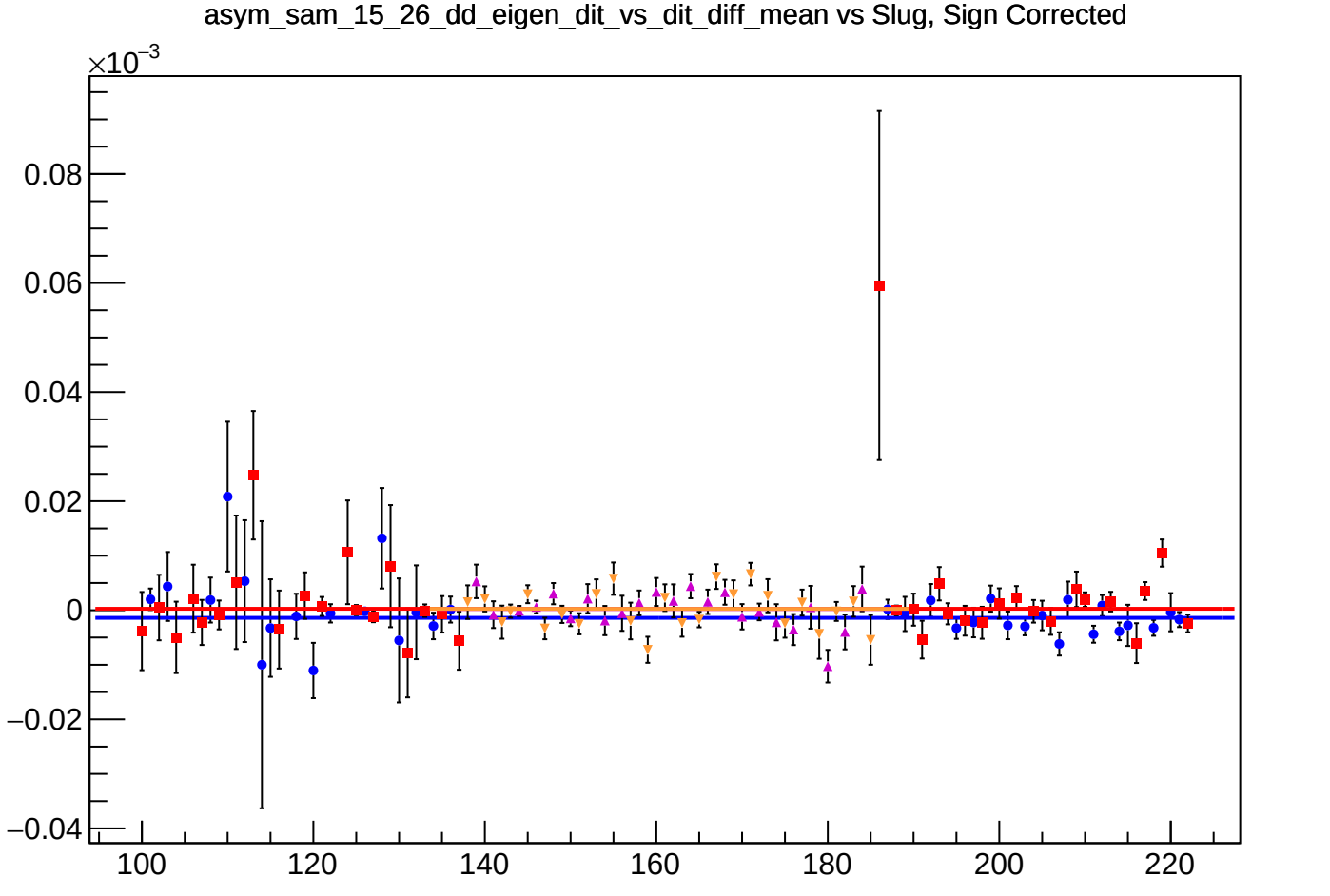
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.401+/-0.004 χ^2/NDF: 7603748.0/71

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 30.919+/-0.004 χ^2/NDF:6735467.3/62

All: 30.950+/-0.003 χ^2/NDF: 11800965.7/119



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: 54.4/37

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

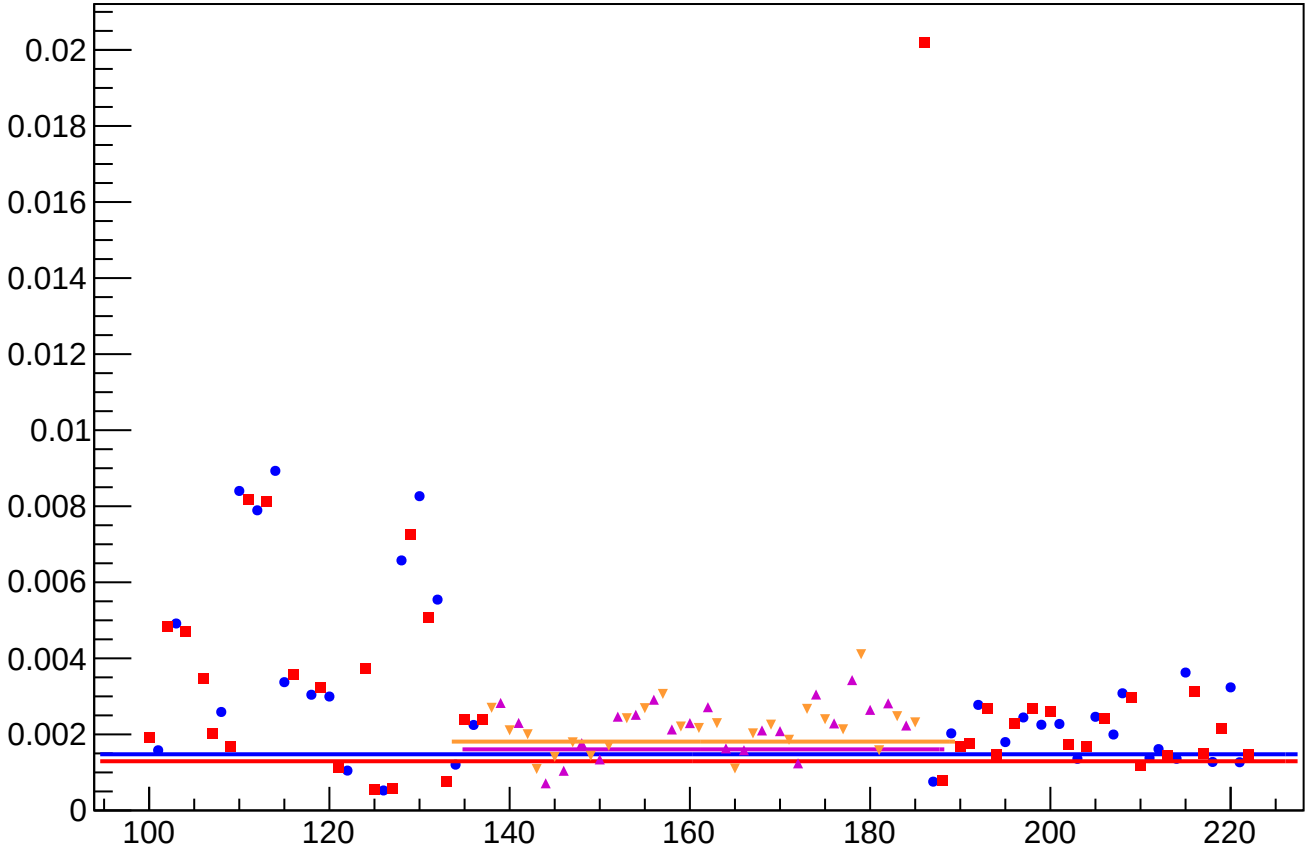
Right: -0.000+/-0.000 χ^2/NDF: 103.7/71

In: -0.000+/-0.000 χ^2/NDF:80.2/56

Out: 0.000+/-0.000 χ^2/NDF:105.2/62

All: -0.000+/-0.000 χ^2/NDF: 191.1/119

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 11012059.2/33

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12514138.1/37

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

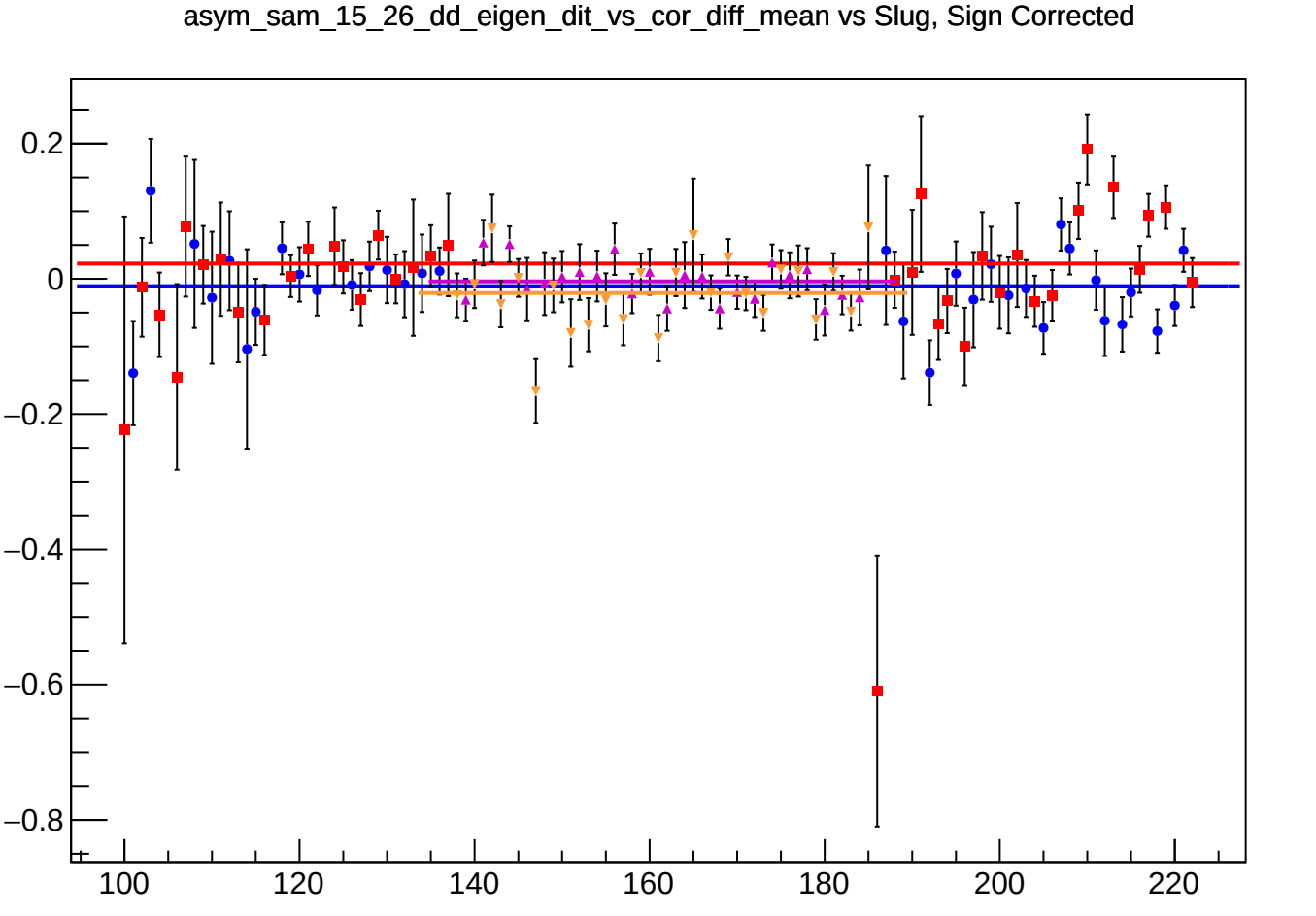
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 23783301.1/71

In: 0.002+/-0.000 χ^2/NDF:17149347.7/56

Out: 0.001+/-0.000 χ^2/NDF:17686221.0/62

All: 0.002+/-0.000 χ^2/NDF: 34858924.2/119



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: 0.023+/-0.008 χ^2/NDF: 69.4/37

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

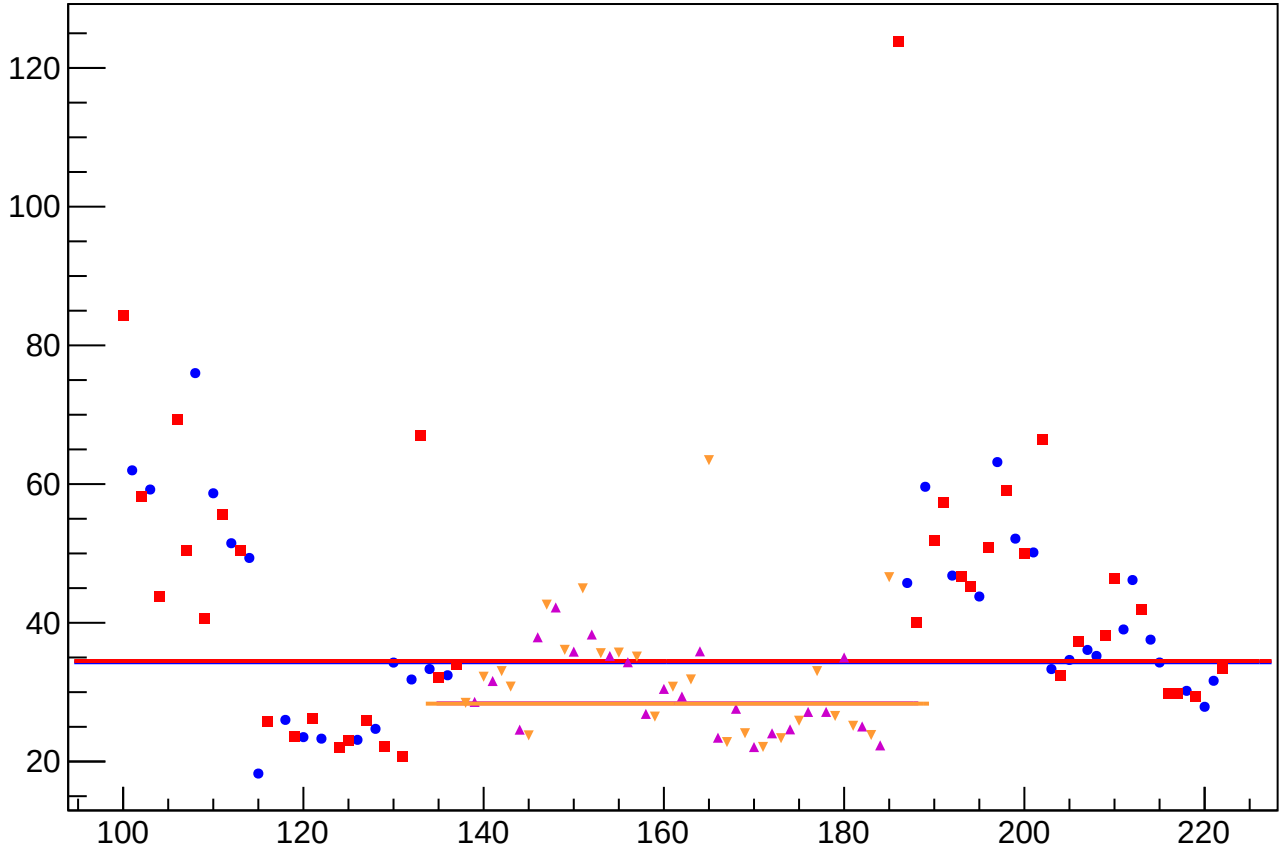
Right: 0.006+/-0.006 χ^2/NDF: 119.8/71

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/62

All: -0.005+/-0.004 χ^2/NDF: 185.2/119

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: 34.491+/-0.006 χ^2/NDF: 4289420.6/37

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

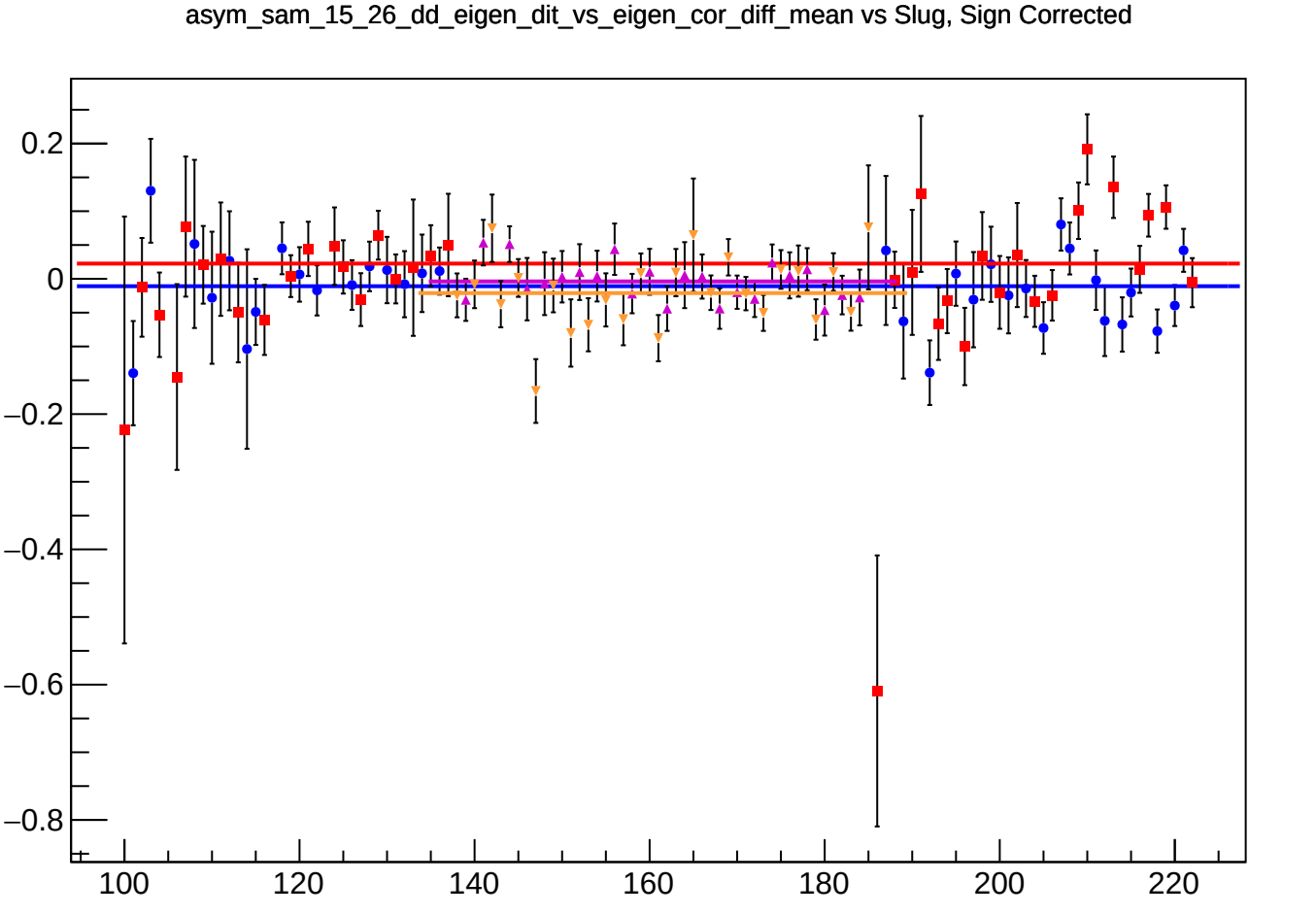
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.401+/-0.004 χ^2/NDF: 7603727.9/71

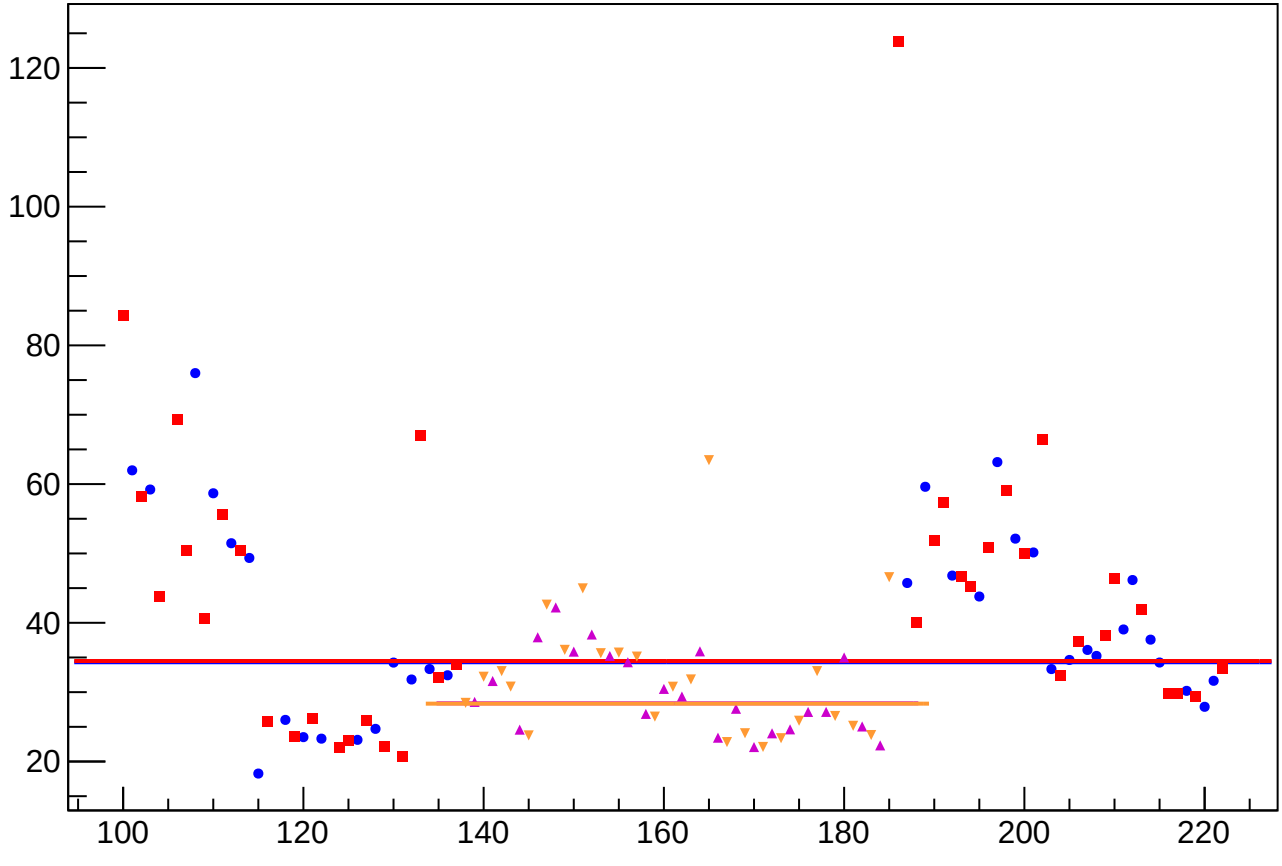
In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 30.919+/-0.004 χ^2/NDF:6735481.6/62

All: 30.950+/-0.003 χ^2/NDF: 11800801.7/119


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: -0.011+/-0.008 χ²/NDF: 41.2/33
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: 0.023+/-0.008 χ²/NDF: 69.4/37
Left In: -0.004+/-0.007 χ²/NDF:18.7/22
Left: -0.013+/-0.005 χ²/NDF: 59.1/47
Right: 0.006+/-0.006 χ²/NDF: 119.8/71
In: -0.007+/-0.005 χ²/NDF:60.4/56
Out: -0.003+/-0.005 χ²/NDF:124.5/62
All: -0.005+/-0.004 χ²/NDF: 185.2/119

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: 34.491+/-0.006 χ^2/NDF: 4289420.6/37

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

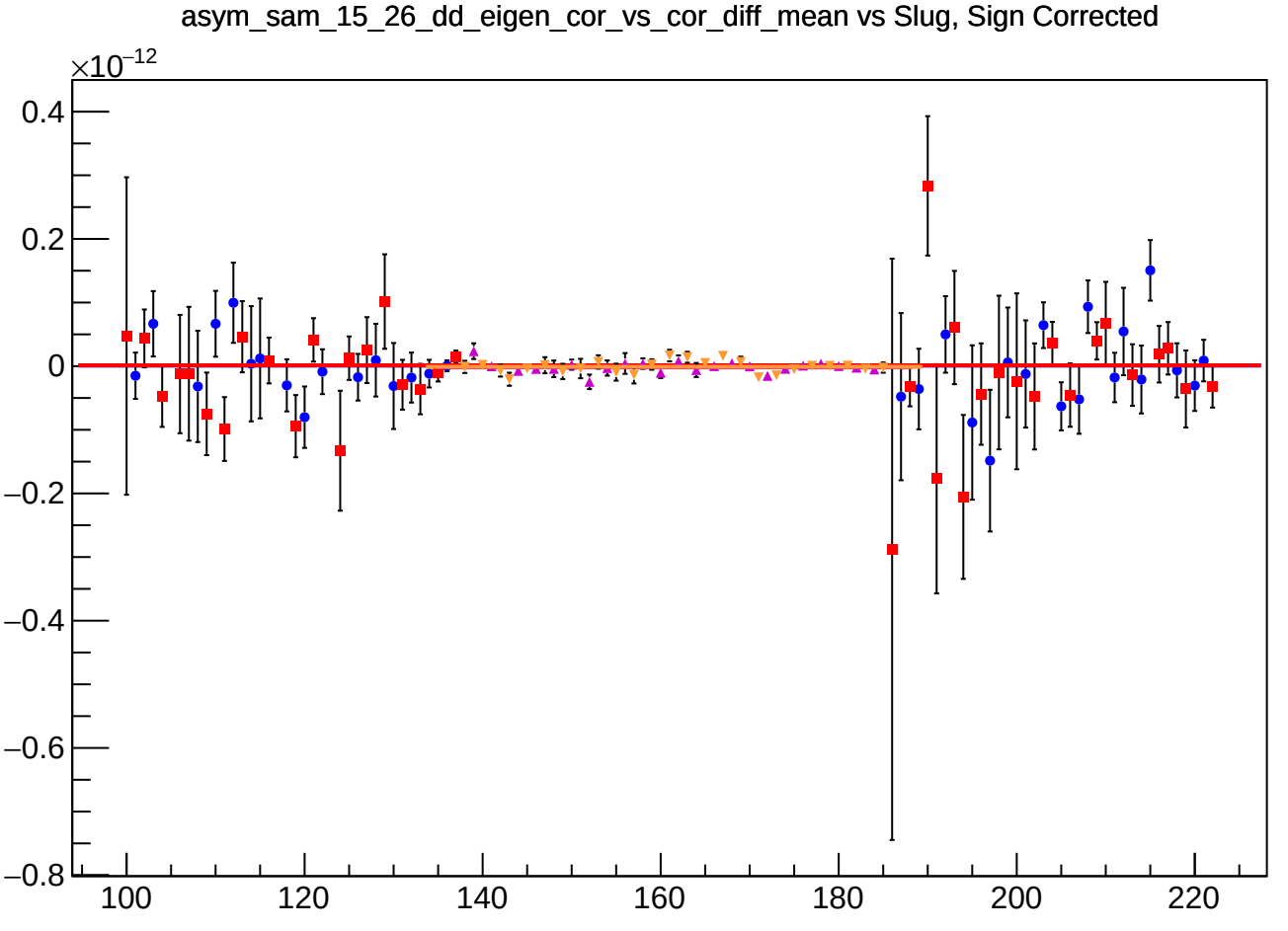
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.401+/-0.004 χ^2/NDF: 7603727.9/71

In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 30.919+/-0.004 χ^2/NDF:6735481.6/62

All: 30.950+/-0.003 χ^2/NDF: 11800801.7/119



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/37

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

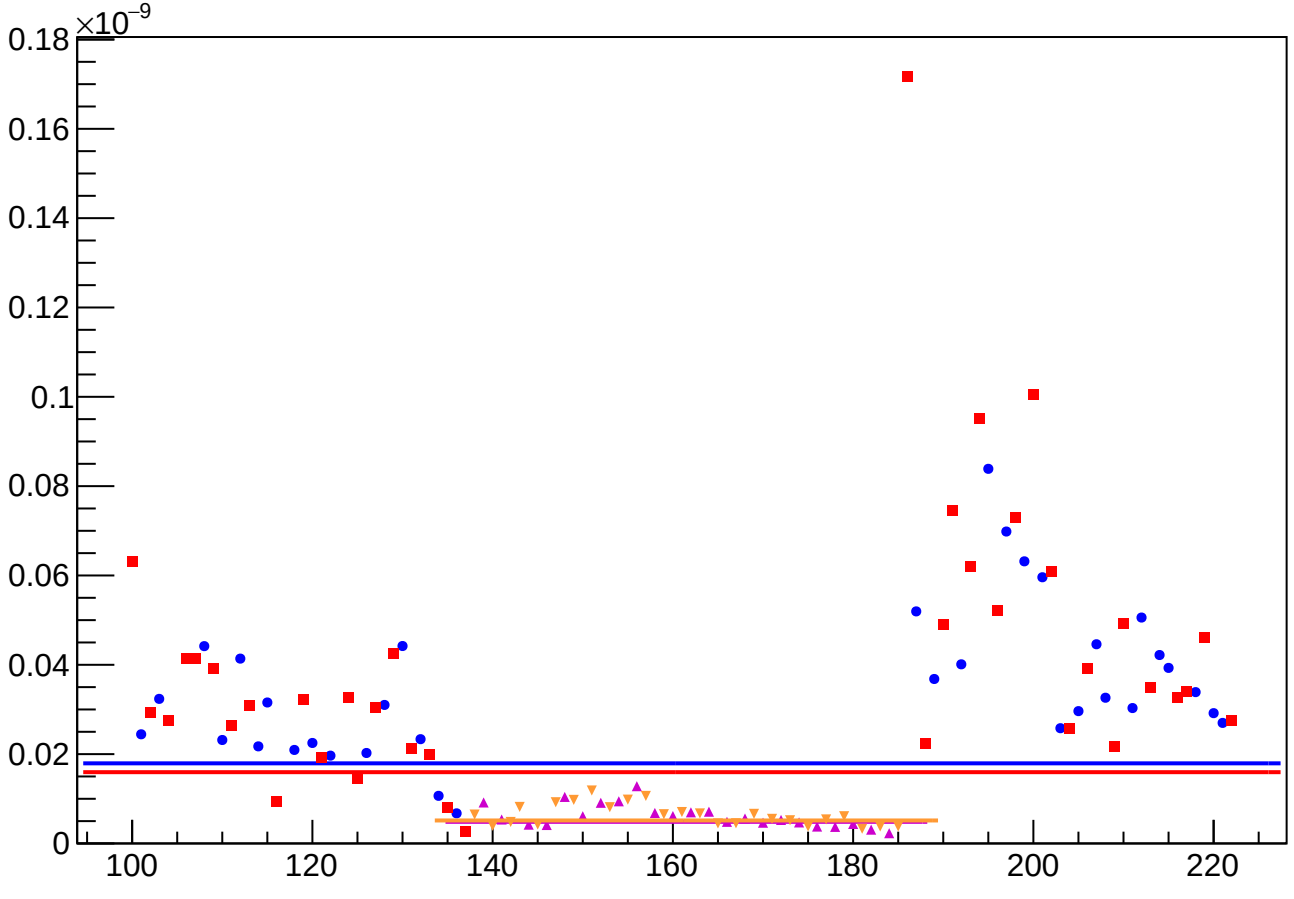
Right: 0.000+/-0.000 χ^2/NDF: 78.7/71

In: -0.000+/-0.000 χ^2/NDF:57.4/56

Out: -0.000+/-0.000 χ^2/NDF:75.3/62

All: -0.000+/-0.000 χ^2/NDF: 132.9/119

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: 13182830.0/37

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

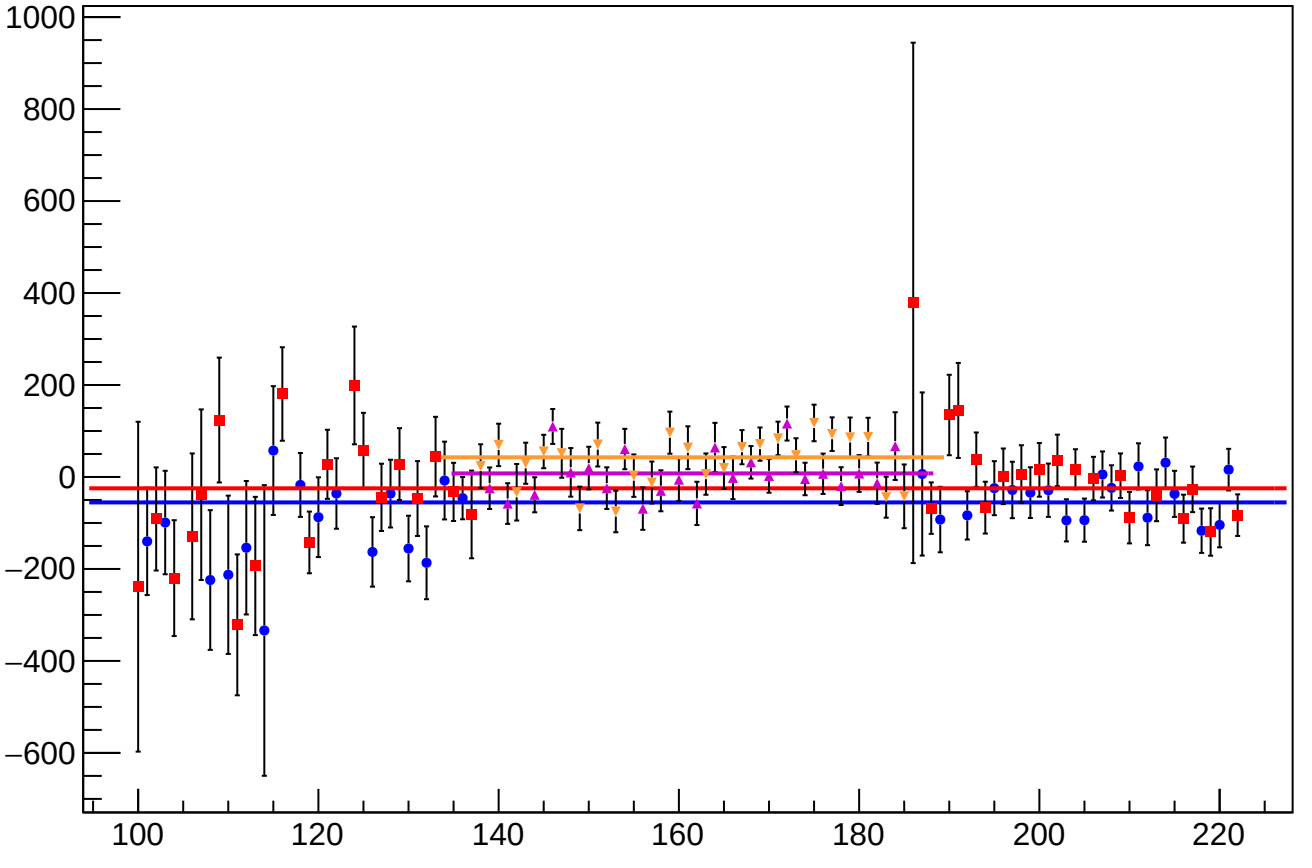
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 23874909.5/71

In: 0.000+/-0.000 χ^2/NDF:22909459.0/56

Out: 0.000+/-0.000 χ^2/NDF:22737586.7/62

All: 0.000+/-0.000 χ^2/NDF: 45670218.8/119



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: -24.624+/-11.171 χ^2/NDF: 43.3/37

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

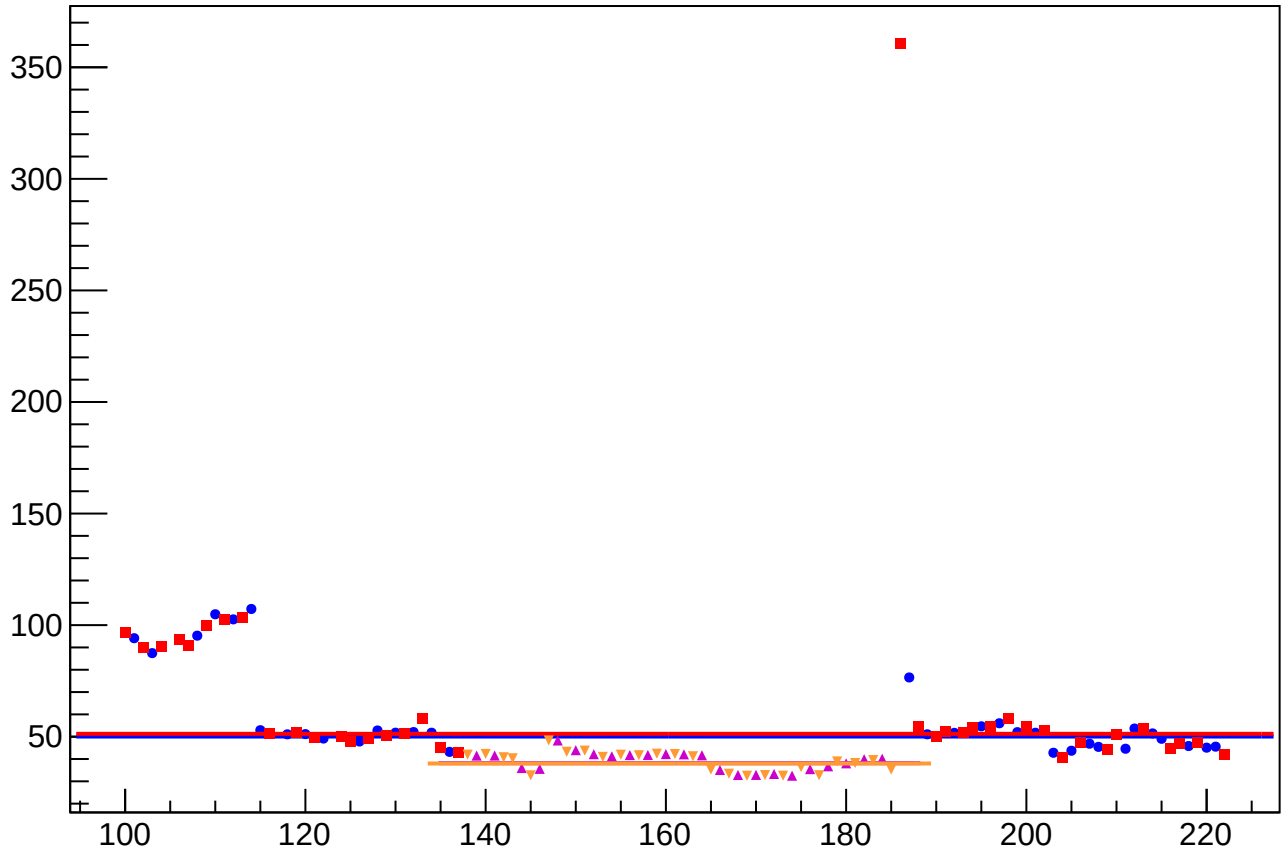
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -40.365+/-7.795 χ^2/NDF: 74.8/71

In: -17.752+/-6.924 χ^2/NDF:78.2/56

Out: 17.331+/-6.863 χ^2/NDF:100.7/62

All: -0.056+/-4.874 χ^2/NDF: 191.8/119



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: 51.288+/-0.008 χ^2/NDF: 2405301.1/37

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

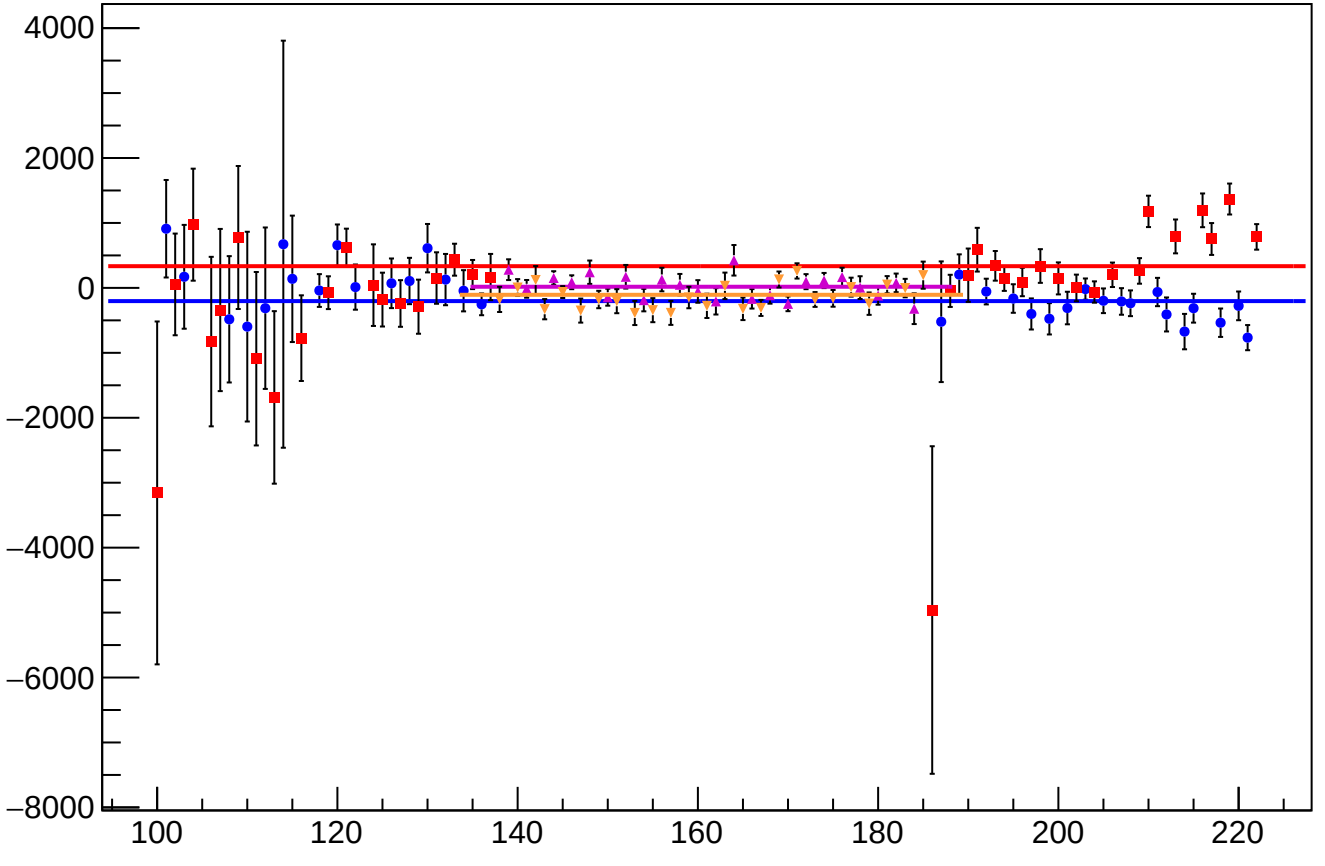
Right: 50.667+/-0.006 χ^2/NDF: 3969298.5/71

In: 42.968+/-0.005 χ^2/NDF:3414391.2/56

Out: 43.009+/-0.005 χ^2/NDF:4683244.1/62

All: 42.988+/-0.003 χ^2/NDF: 8097670.8/119

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



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: 334.261+/-46.577 χ^2/NDF: 93.8/37

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

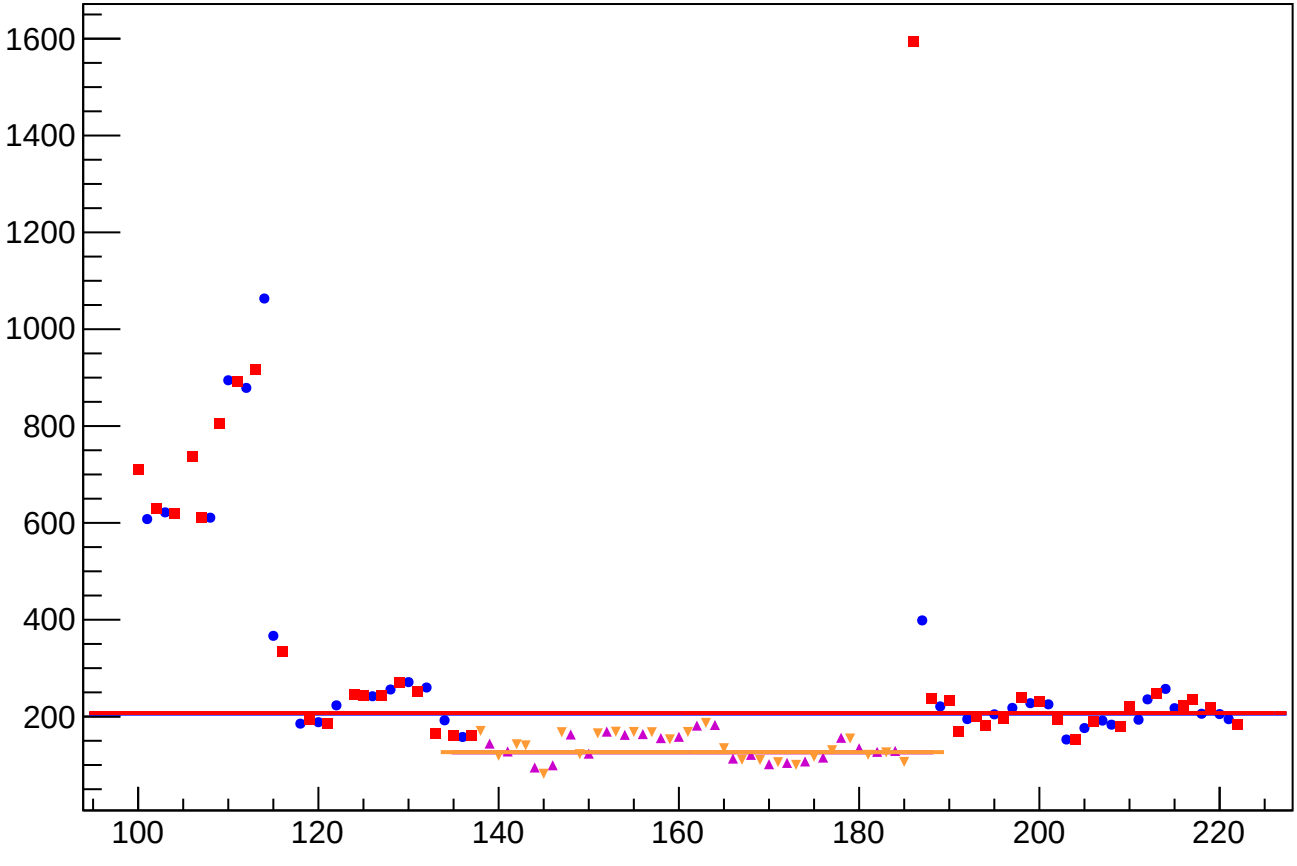
Right: 61.534+/-32.698 χ^2/NDF: 200.3/71

In: -49.179+/-25.223 χ^2/NDF:83.4/56

Out: 20.070+/-24.960 χ^2/NDF:195.2/62

All: -14.191+/-17.742 χ^2/NDF: 282.4/119

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: 207.353+/-0.033 χ^2/NDF: 4894487.0/37

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

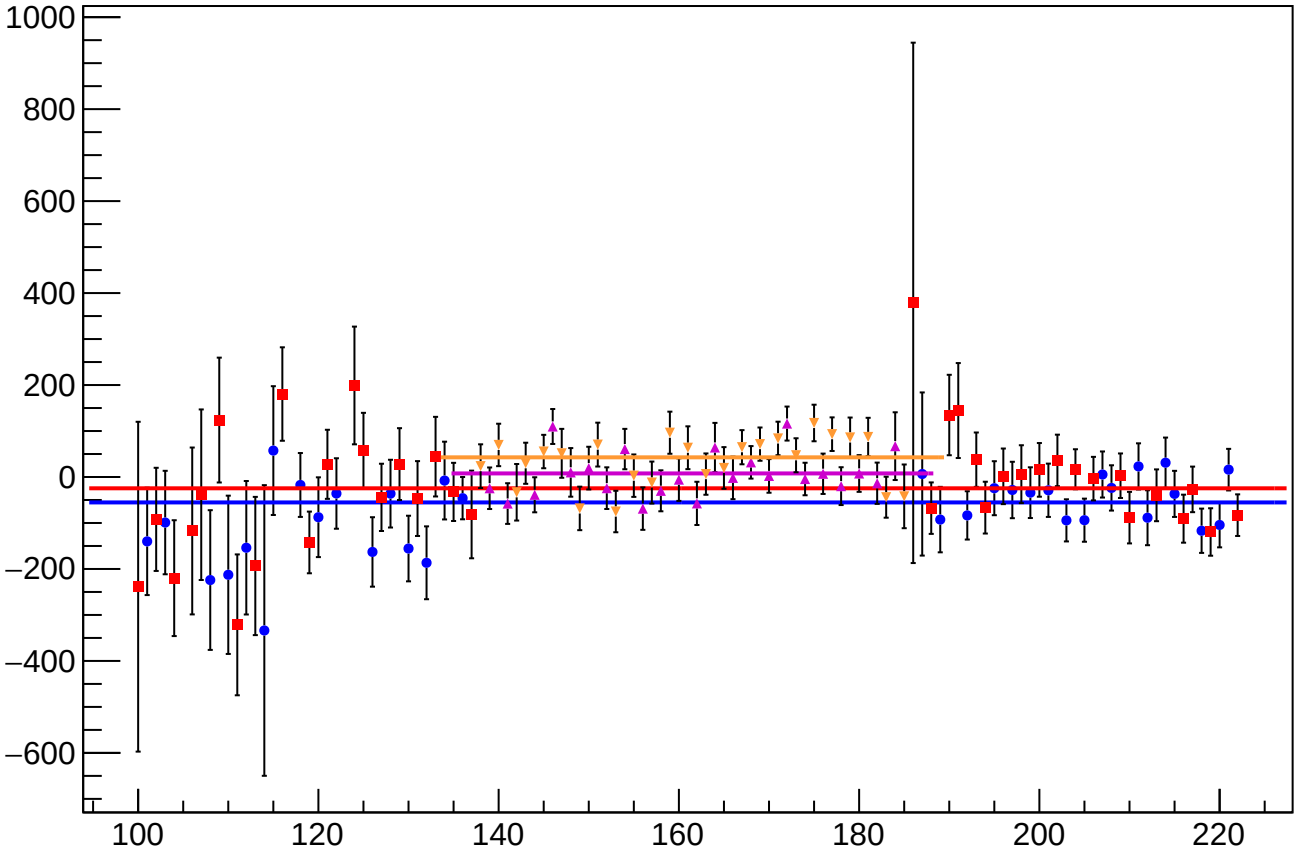
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 206.698+/-0.023 χ^2/NDF: 8480684.7/71

In: 150.169+/-0.018 χ^2/NDF:9240413.5/56

Out: 149.762+/-0.018 χ^2/NDF:10942169.0/62

All: 149.964+/-0.013 χ^2/NDF: 20182845.8/11



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: -24.581+/-11.172 χ^2/NDF: 43.2/37

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

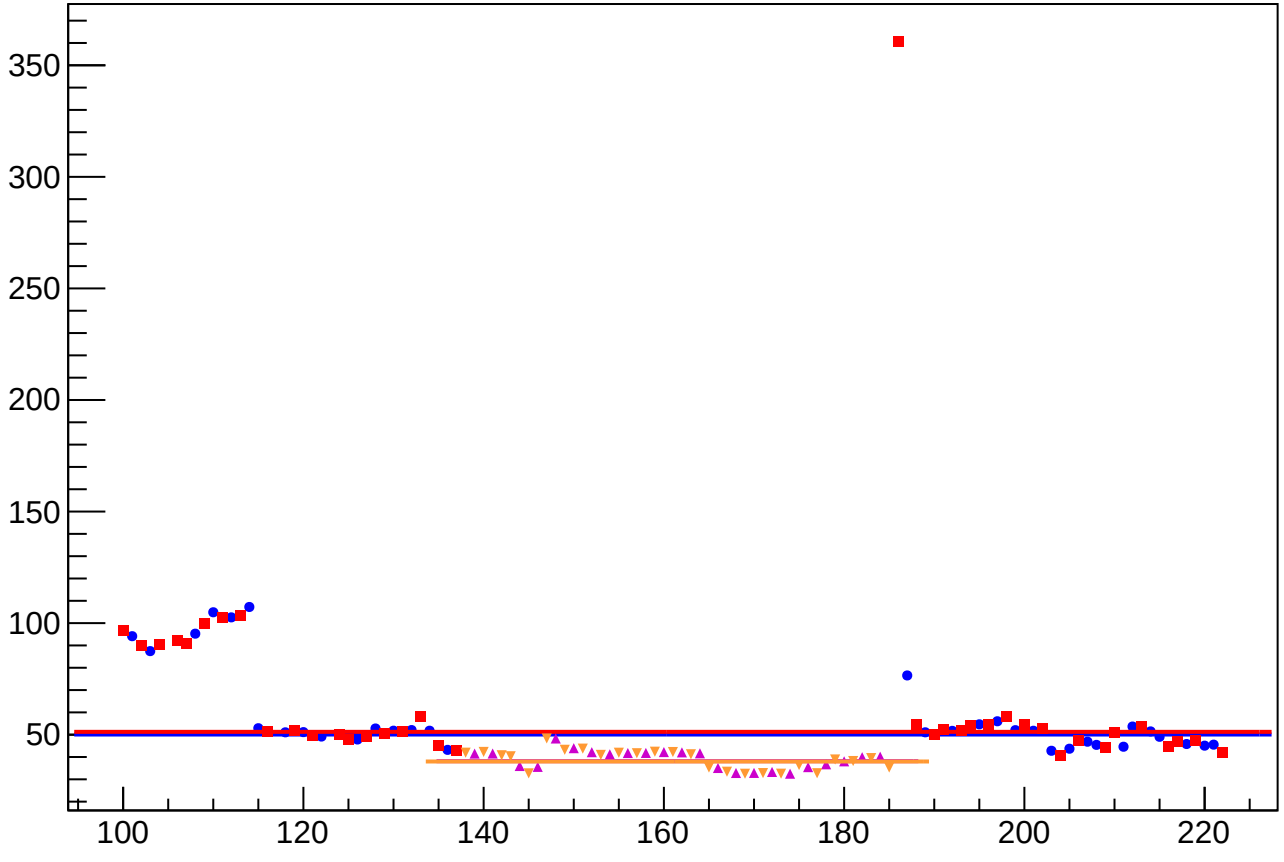
Right: -40.344+/-7.795 χ^2/NDF: 74.7/71

In: -17.751+/-6.924 χ^2/NDF:78.2/56

Out: 17.349+/-6.863 χ^2/NDF:100.6/62

All: -0.047+/-4.874 χ^2/NDF: 191.7/119

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: 51.280+/-0.008 χ^2/NDF: 2396389.9/37

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

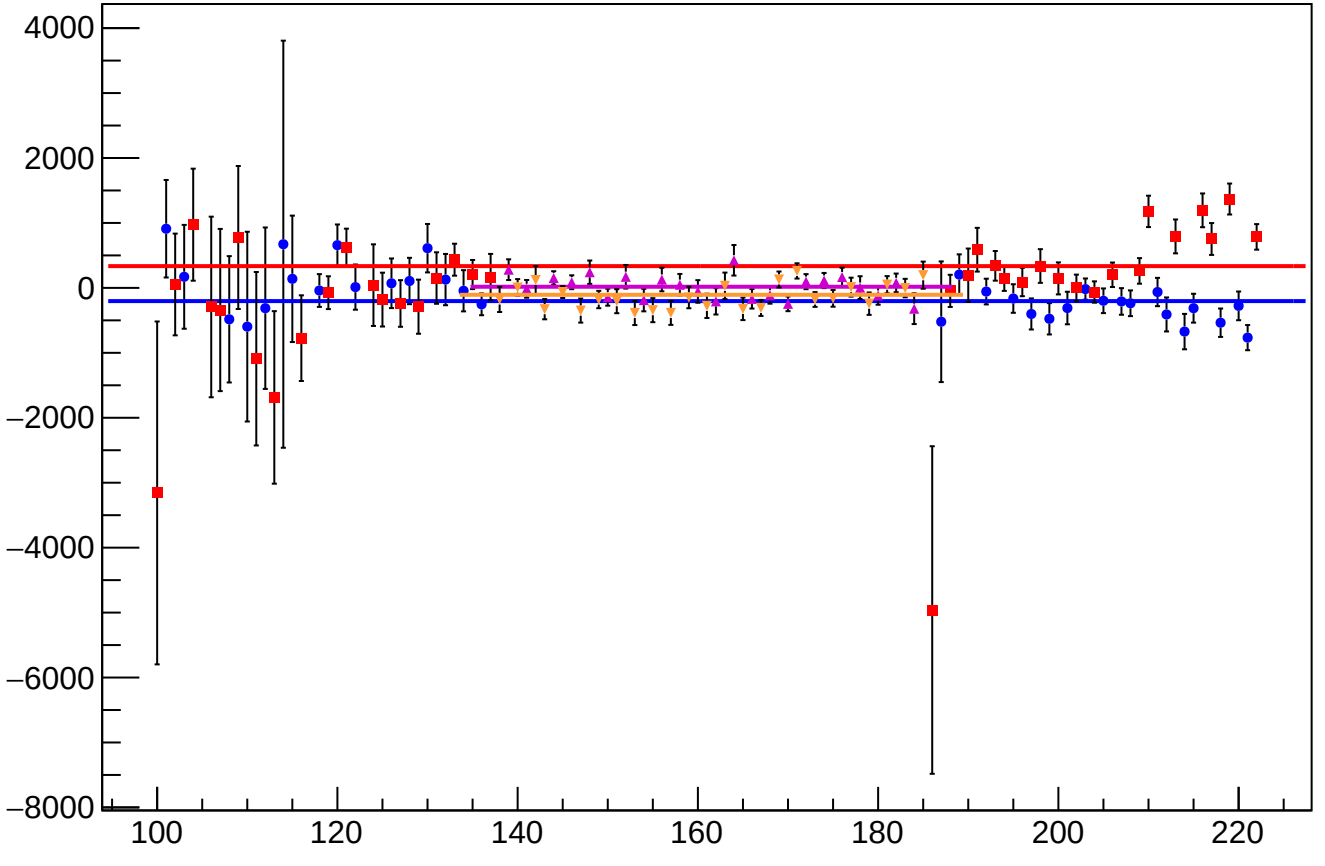
Right: 50.663+/-0.006 χ^2/NDF: 3960234.4/71

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.006+/-0.005 χ^2/NDF:4672234.4/62

All: 42.987+/-0.003 χ^2/NDF: 8086656.1/119

asym_sam_37_26_dd_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: 335.028+/-46.581 χ^2/NDF: 93.2/37

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

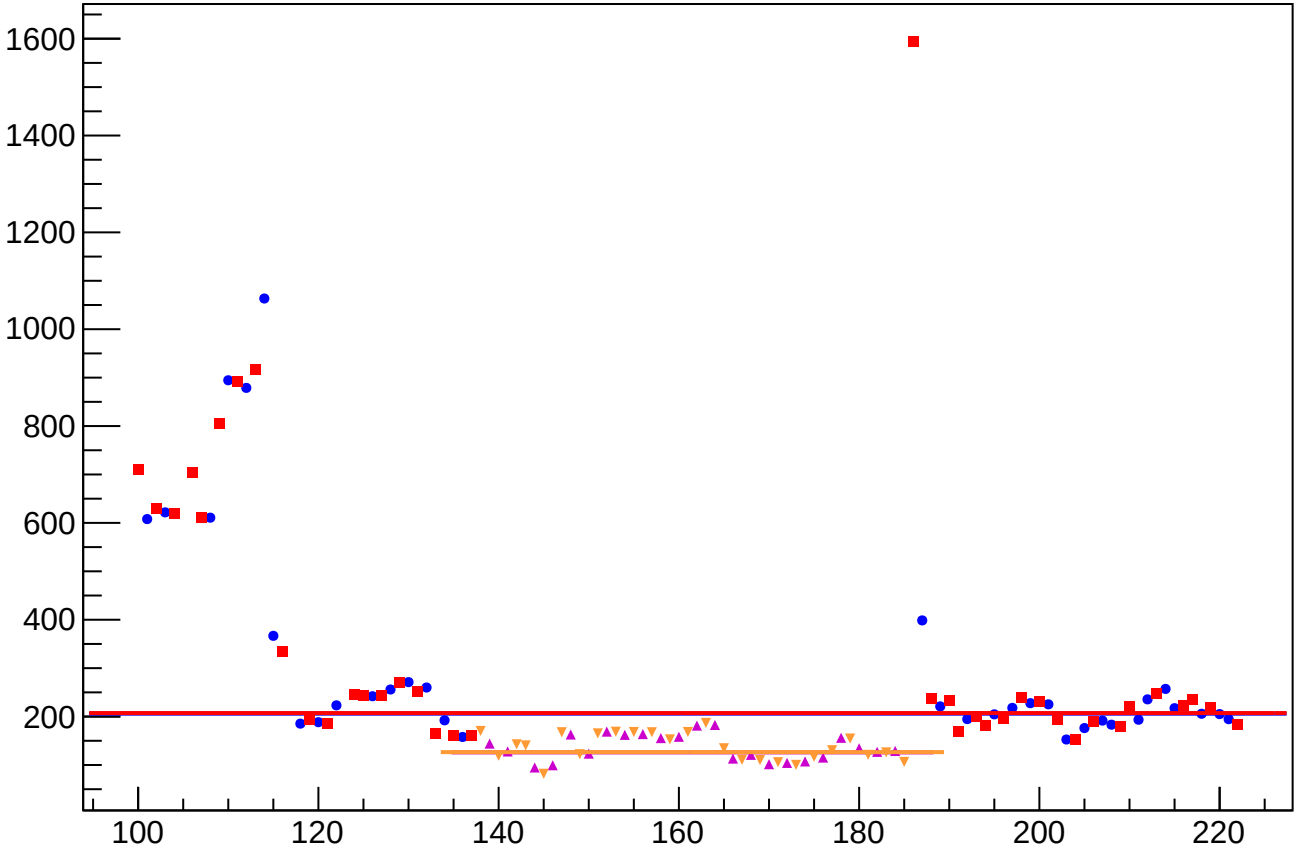
Right: 61.892+/-32.700 χ^2/NDF: 199.9/71

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 20.277+/-24.961 χ^2/NDF:194.9/62

All: -14.087+/-17.742 χ^2/NDF: 282.1/119

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: 207.237+/-0.033 χ^2/NDF: 4821585.7/37

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

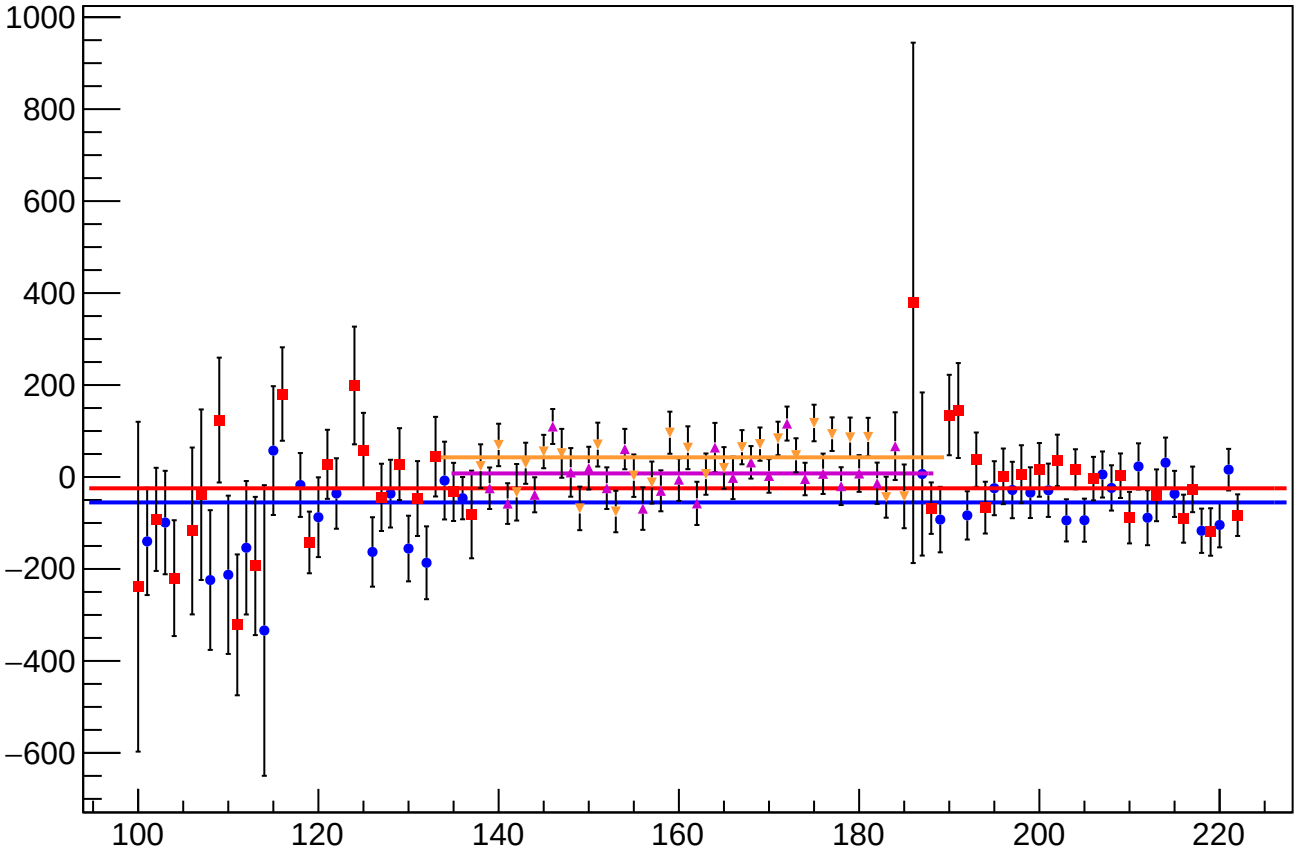
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.640+/-0.023 χ^2/NDF: 8407657.7/71

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 149.726+/-0.018 χ^2/NDF:10856433.6/62

All: 149.945+/-0.013 χ^2/NDF: 20097184.1/11



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: -24.581+/-11.172 χ^2/NDF: 43.2/37

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

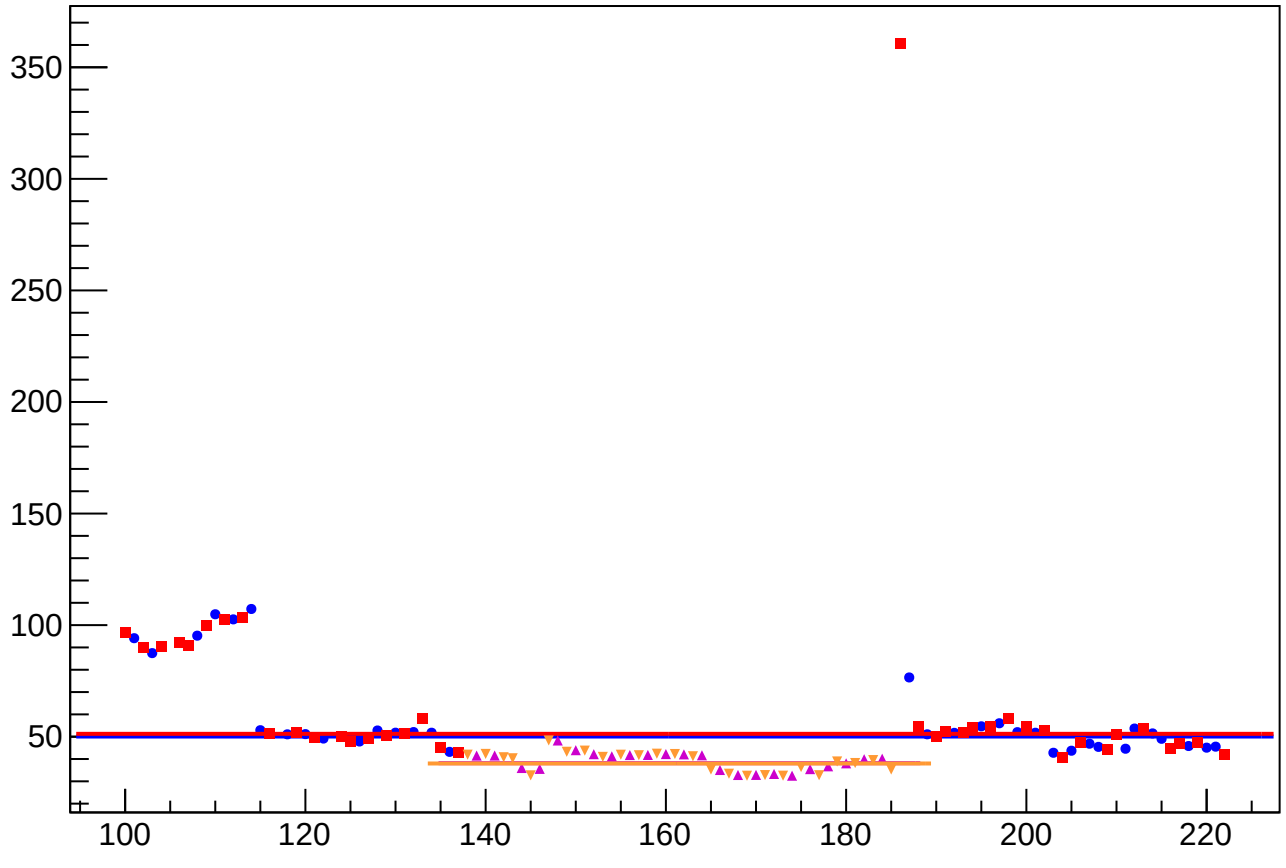
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -40.344+/-7.795 χ^2/NDF: 74.7/71

In: -17.751+/-6.924 χ^2/NDF:78.2/56

Out: 17.349+/-6.863 χ^2/NDF:100.6/62

All: -0.047+/-4.874 χ^2/NDF: 191.7/119



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: 51.280+/-0.008 χ^2/NDF: 2396389.9/37

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

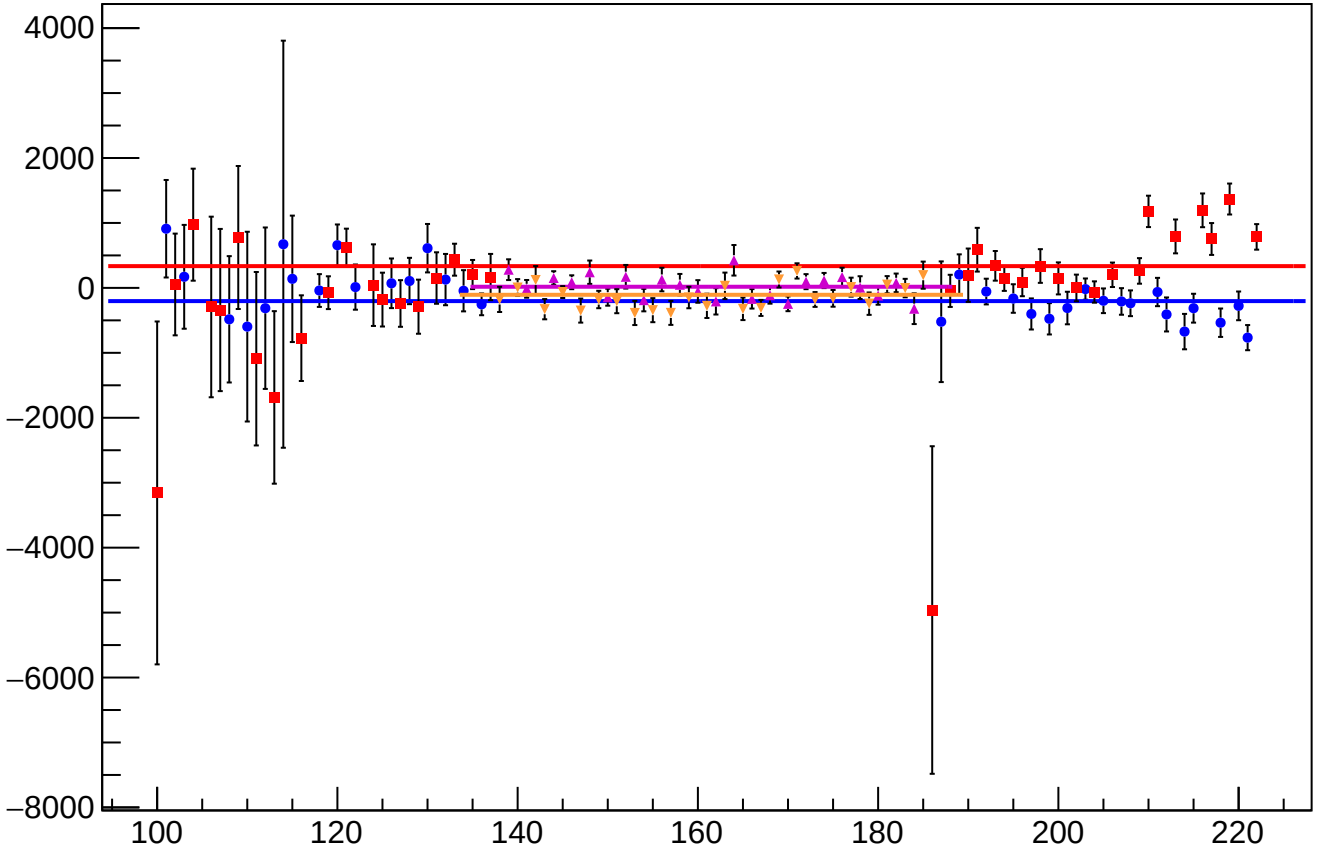
Right: 50.663+/-0.006 χ^2/NDF: 3960234.4/71

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.006+/-0.005 χ^2/NDF:4672234.4/62

All: 42.987+/-0.003 χ^2/NDF: 8086656.1/119

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: 335.028+/-46.581 χ^2/NDF: 93.2/37

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

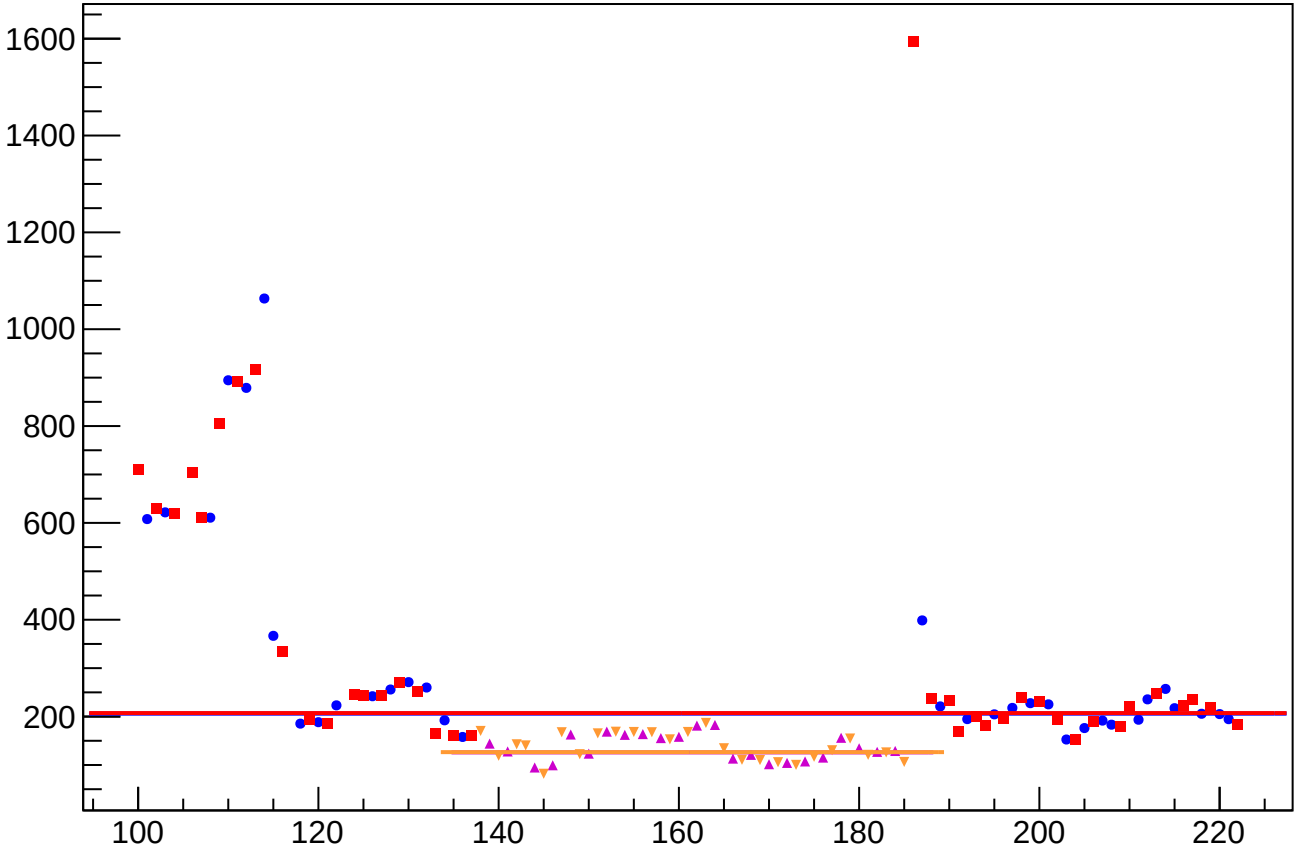
Right: 61.892+/-32.700 χ^2/NDF: 199.9/71

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 20.277+/-24.961 χ^2/NDF:194.9/62

All: -14.087+/-17.742 χ^2/NDF: 282.1/119

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: 207.237+/-0.033 χ^2/NDF: 4821585.7/37

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

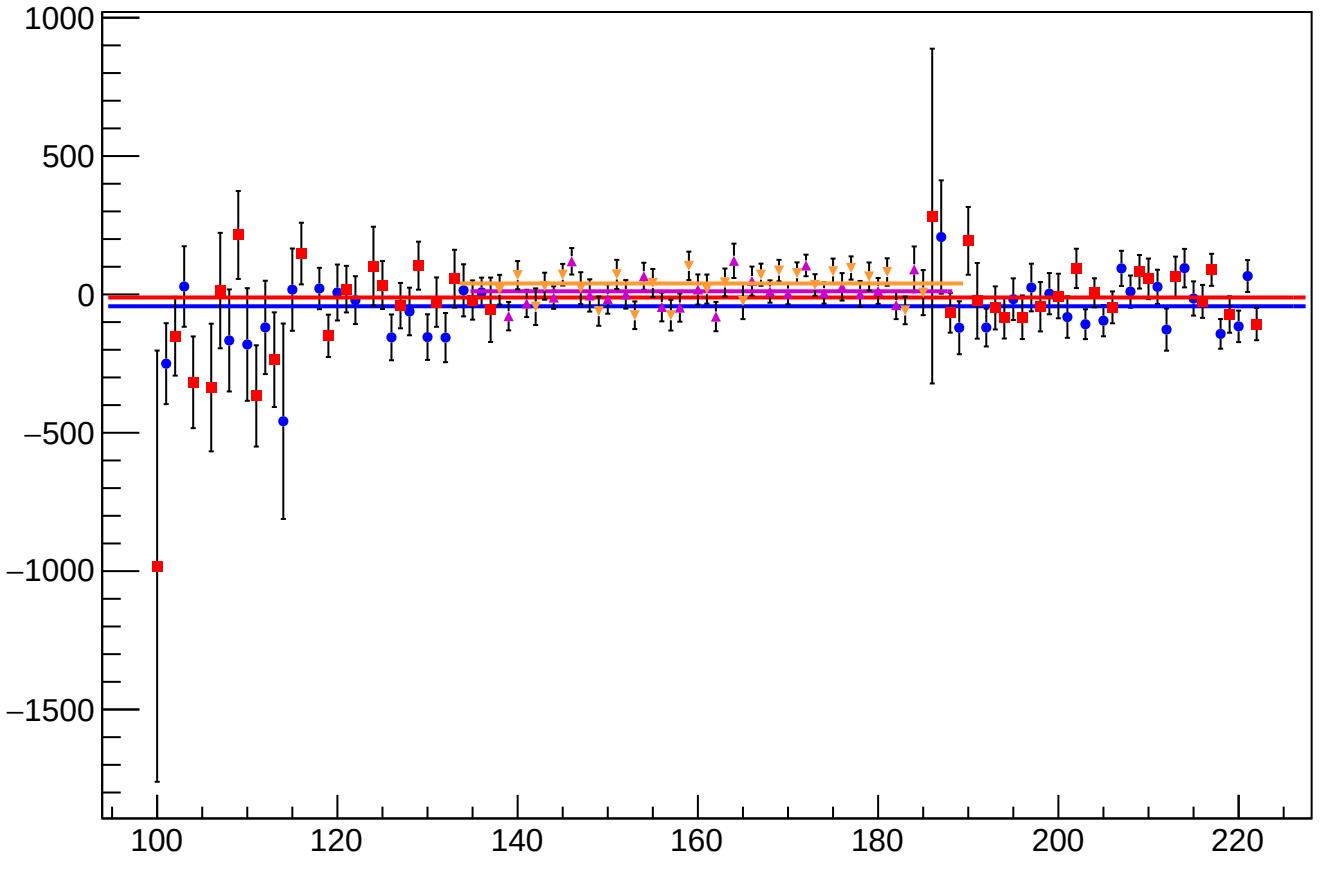
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.640+/-0.023 χ^2/NDF: 8407657.7/71

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 149.726+/-0.018 χ^2/NDF:10856433.6/62

All: 149.945+/-0.013 χ^2/NDF: 20097184.1/11



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: -11.048+/-13.738 χ^2/NDF: 43.7/37

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

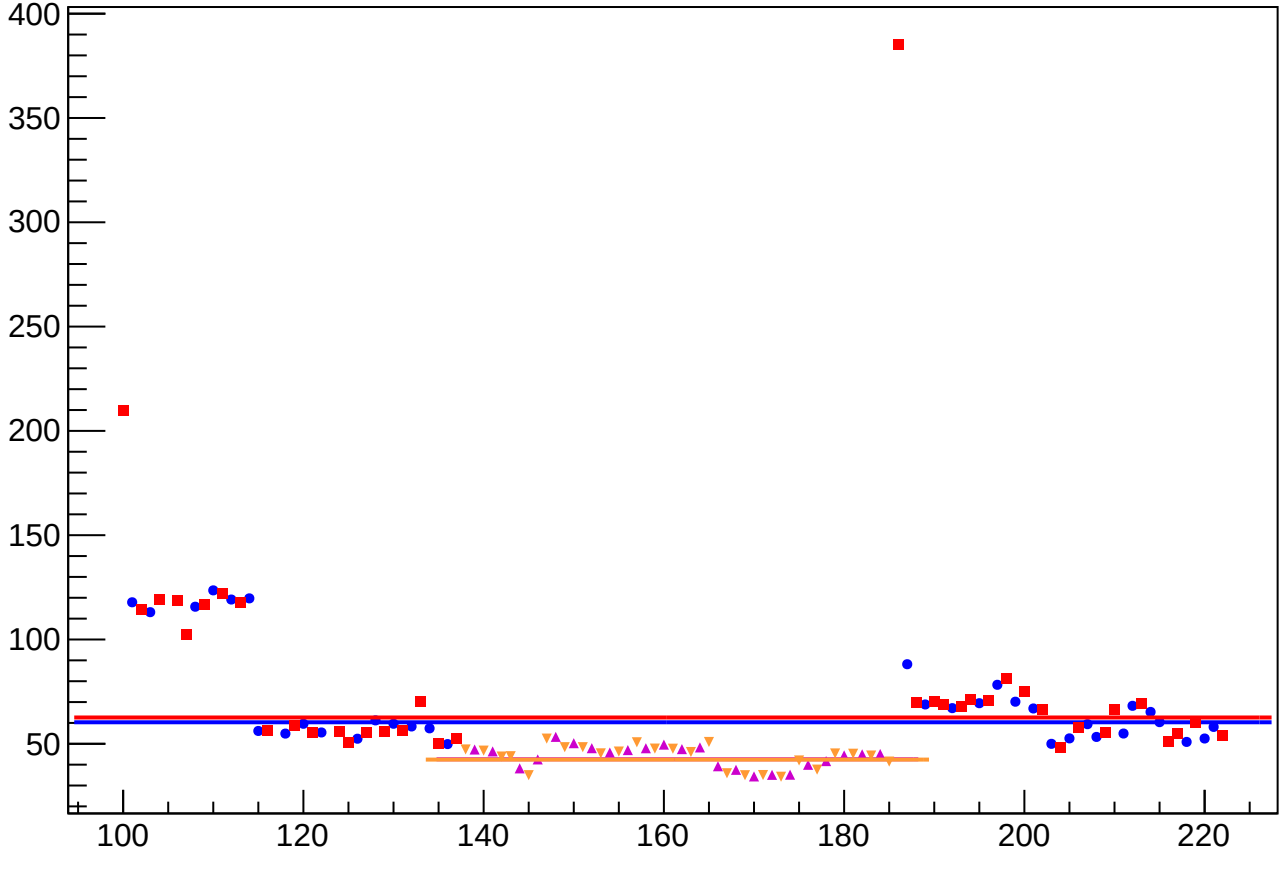
Right: -27.586+/-9.515 χ^2/NDF: 86.9/71

In: -8.645+/-8.008 χ^2/NDF:79.0/56

Out: 22.622+/-7.949 χ^2/NDF:82.3/62

All: 7.105+/-5.641 χ^2/NDF: 169.0/119

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 60.316+/-0.009 χ^2/NDF: 1892951.2/33

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 62.614+/-0.010 χ^2/NDF: 2771313.1/37

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

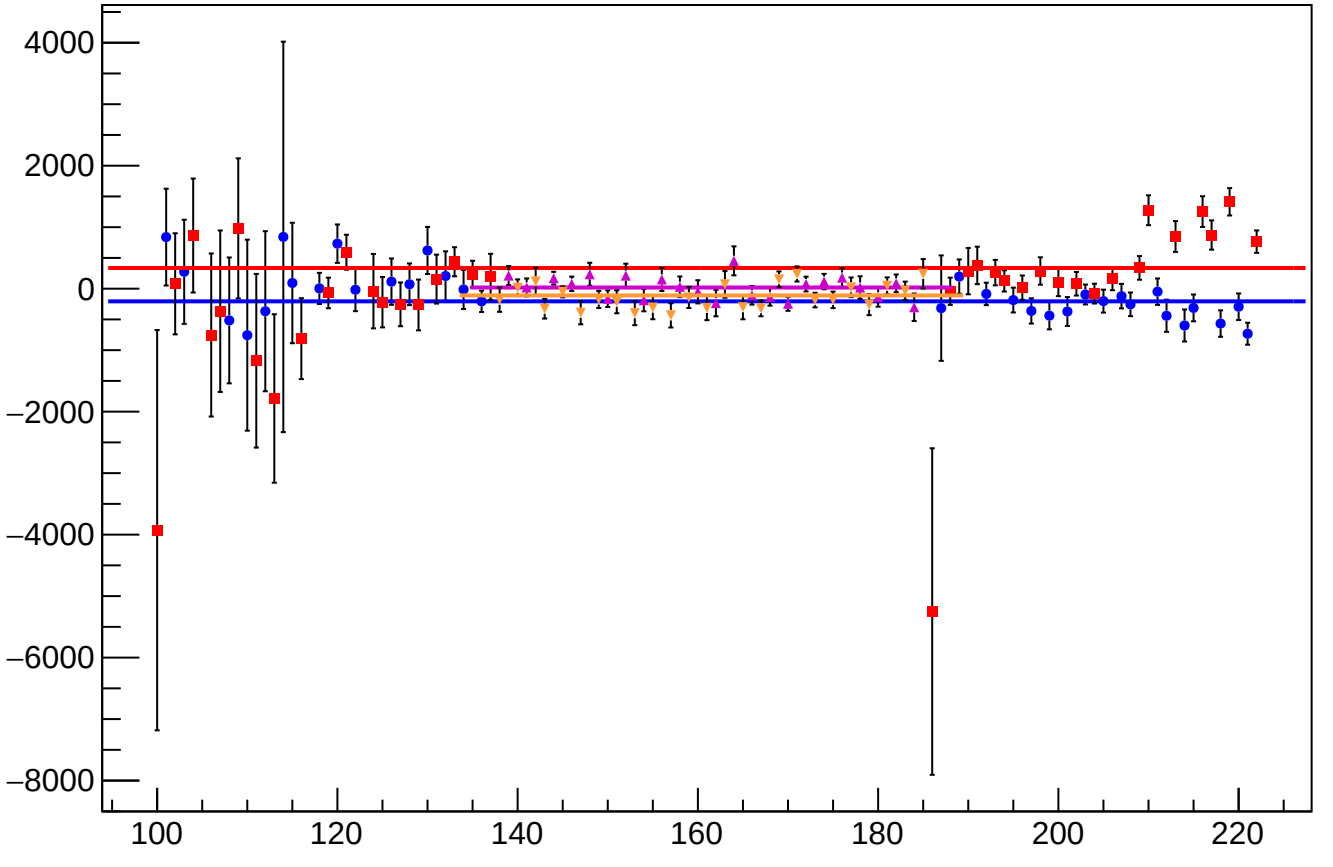
Right: 61.418+/-0.007 χ^2/NDF: 4693362.8/71

In: 49.115+/-0.006 χ^2/NDF:4766271.9/56

Out: 49.184+/-0.006 χ^2/NDF:6342969.0/62

All: 49.150+/-0.004 χ^2/NDF: 11109314.4/119

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: 336.550+/-44.241 χ^2/NDF: 110.0/37

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

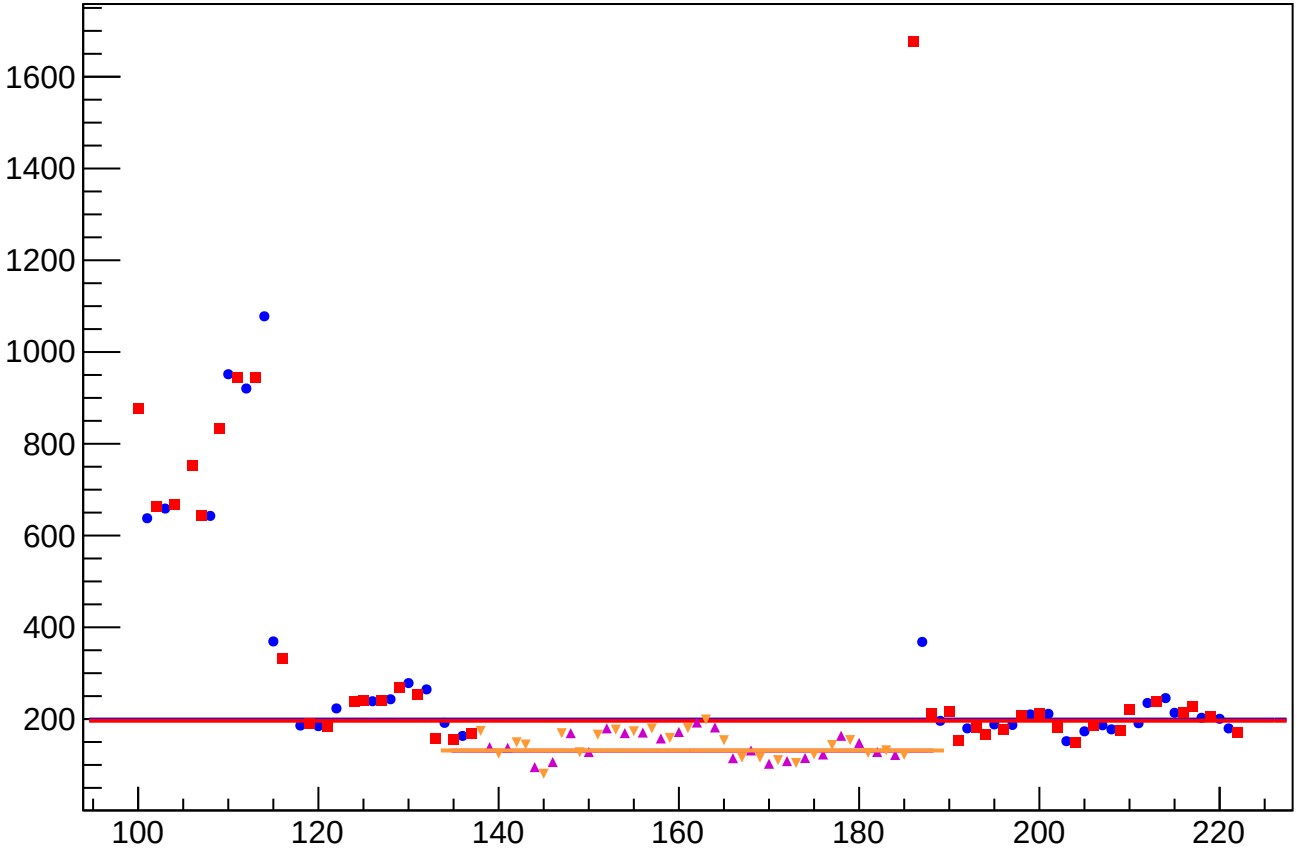
Right: 65.937+/-31.322 χ^2/NDF: 226.0/71

In: -56.485+/-25.669 χ^2/NDF:85.3/56

Out: 35.603+/-25.255 χ^2/NDF:214.9/62

All: -9.692+/-18.002 χ^2/NDF: 306.7/119

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 198.843+/-0.031 χ^2/NDF: 3686862.1/33

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 196.395+/-0.031 χ^2/NDF: 5159359.6/37

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

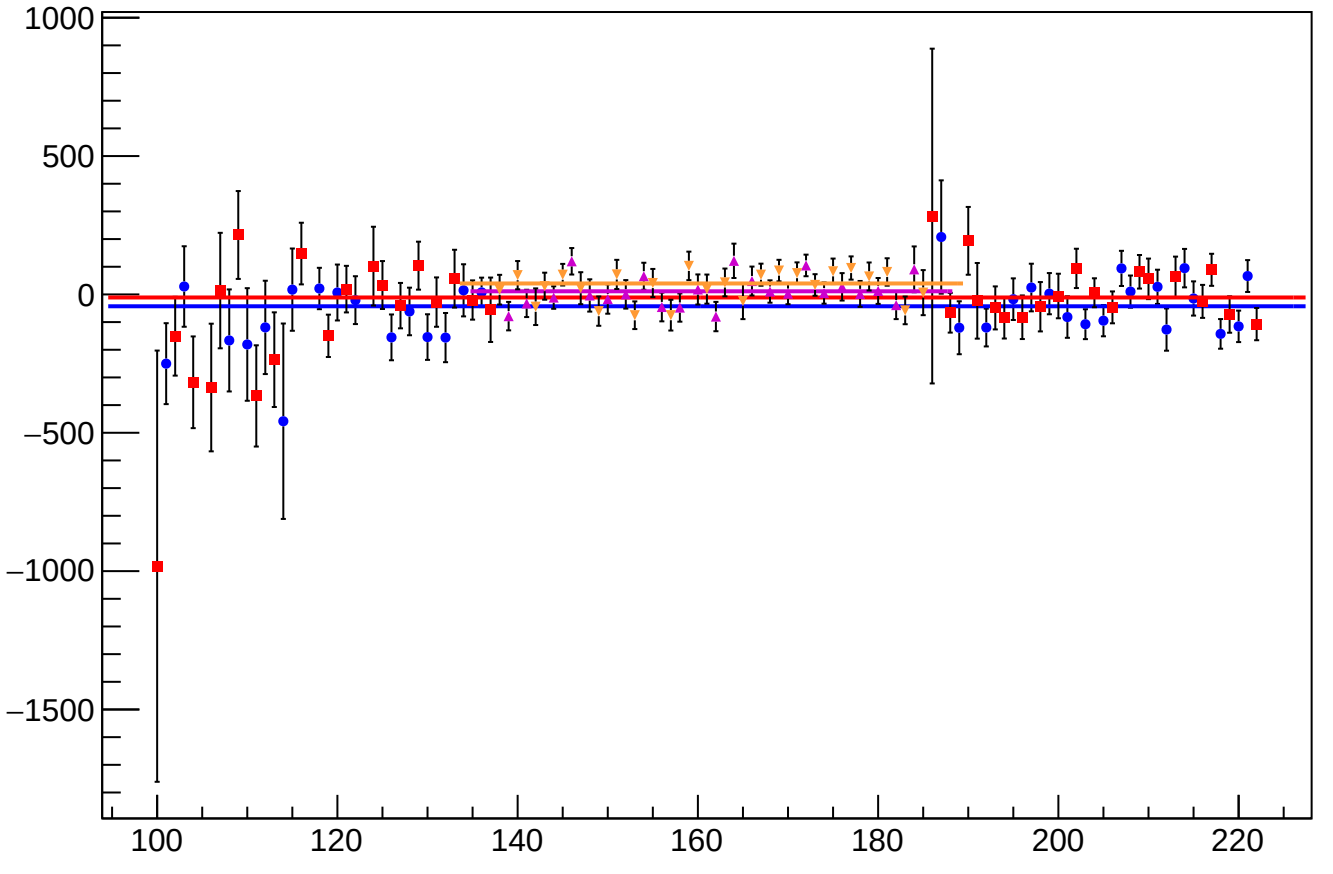
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

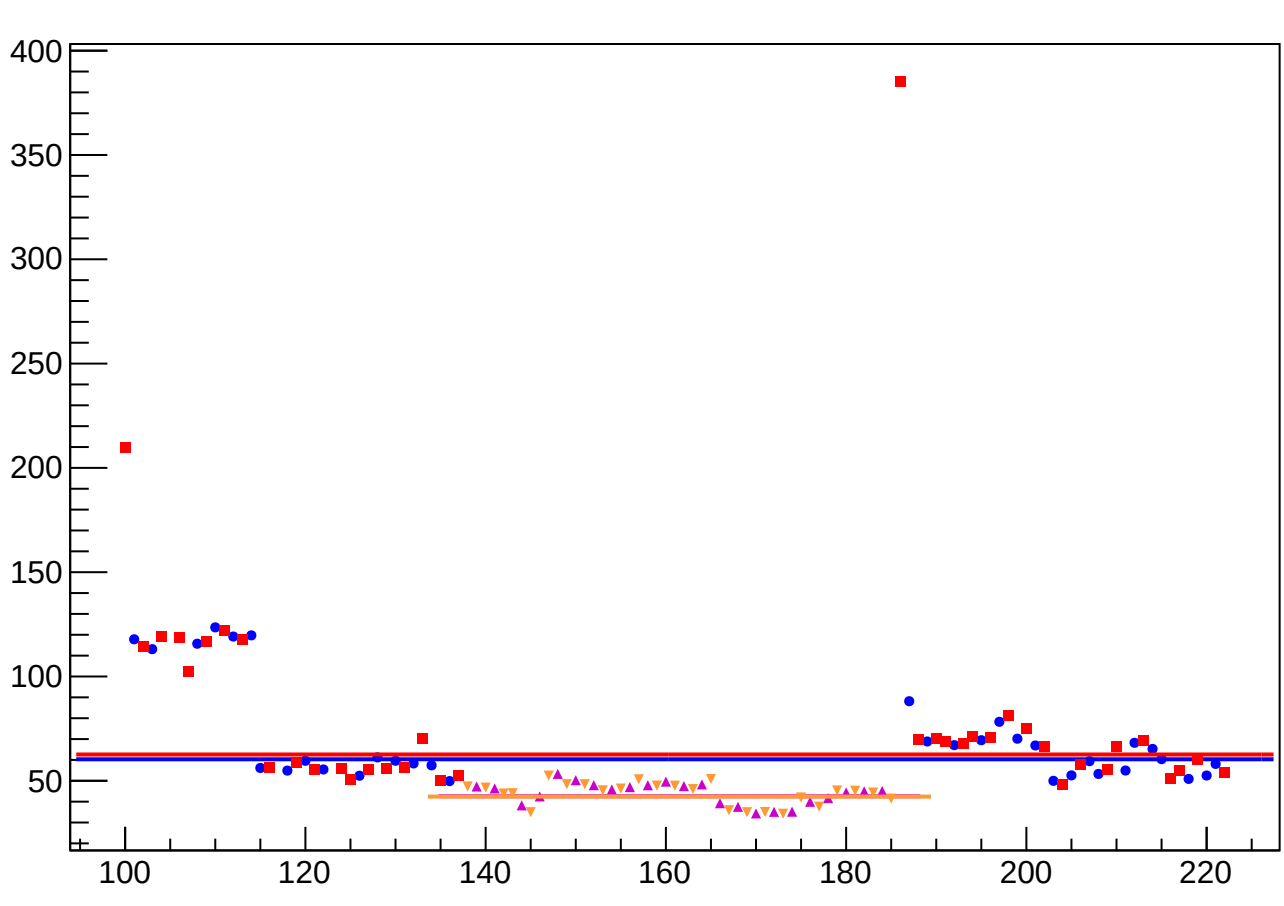
Right: 197.616+/-0.022 χ^2/NDF: 8849276.5/71

In: 153.775+/-0.018 χ^2/NDF:8260176.4/56

Out: 152.657+/-0.018 χ^2/NDF:9962005.0/62

All: 153.207+/-0.013 χ^2/NDF: 18224108.4/11


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -42.834+/-13.192 χ²/NDF: 40.5/33
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -11.049+/-13.739 χ²/NDF: 43.7/37
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -27.587+/-9.515 χ²/NDF: 86.9/71
In: -8.645+/-8.008 χ²/NDF:79.0/56
Out: 22.622+/-7.949 χ²/NDF:82.3/62
All: 7.105+/-5.641 χ²/NDF: 169.0/119



Right In: 60.316+/-0.009 χ^2/NDF: 1892965.6/33

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 62.614+/-0.010 χ^2/NDF: 2771285.8/37

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

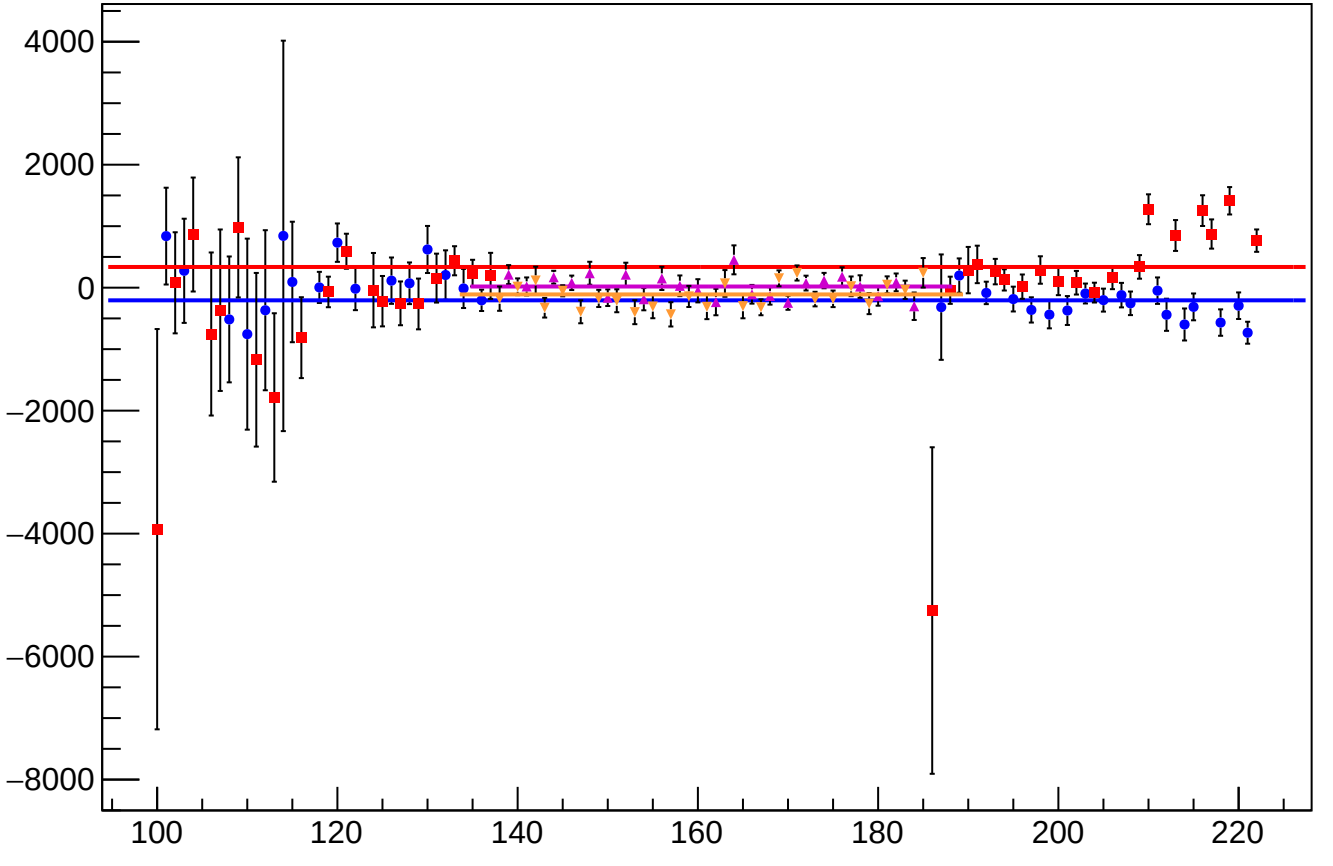
Right: 61.419+/-0.007 χ^2/NDF: 4693357.9/71

In: 49.115+/-0.006 χ^2/NDF:4766243.5/56

Out: 49.184+/-0.006 χ^2/NDF:6343008.9/62

All: 49.150+/-0.004 χ^2/NDF: 11109325.9/119

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: 336.548+/-44.241 χ^2/NDF: 110.0/37

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

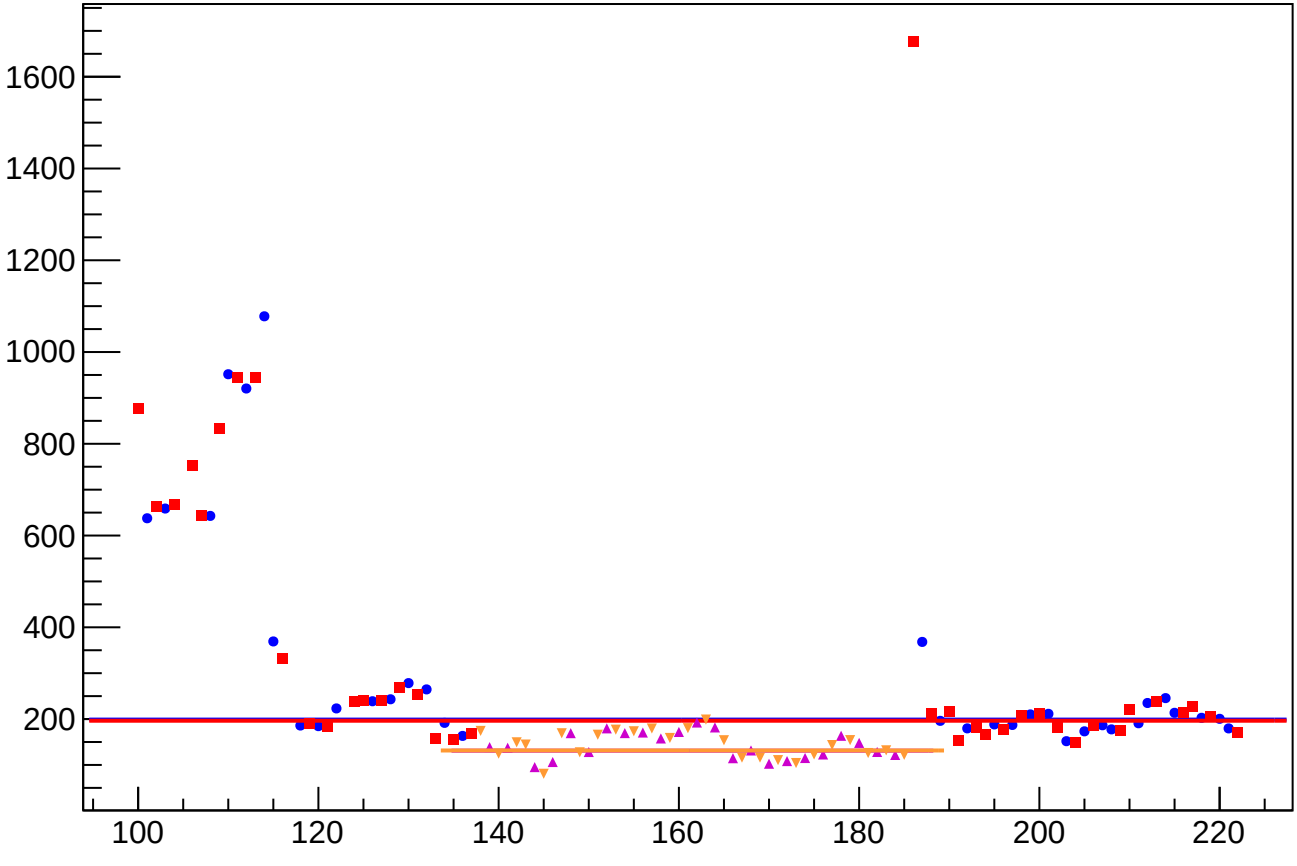
Right: 65.936+/-31.322 χ^2/NDF: 226.0/71

In: -56.486+/-25.669 χ^2/NDF:85.3/56

Out: 35.603+/-25.255 χ^2/NDF:214.9/62

All: -9.692+/-18.002 χ^2/NDF: 306.7/119

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: 196.394+/-0.031 χ^2/NDF: 5159368.6/37

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

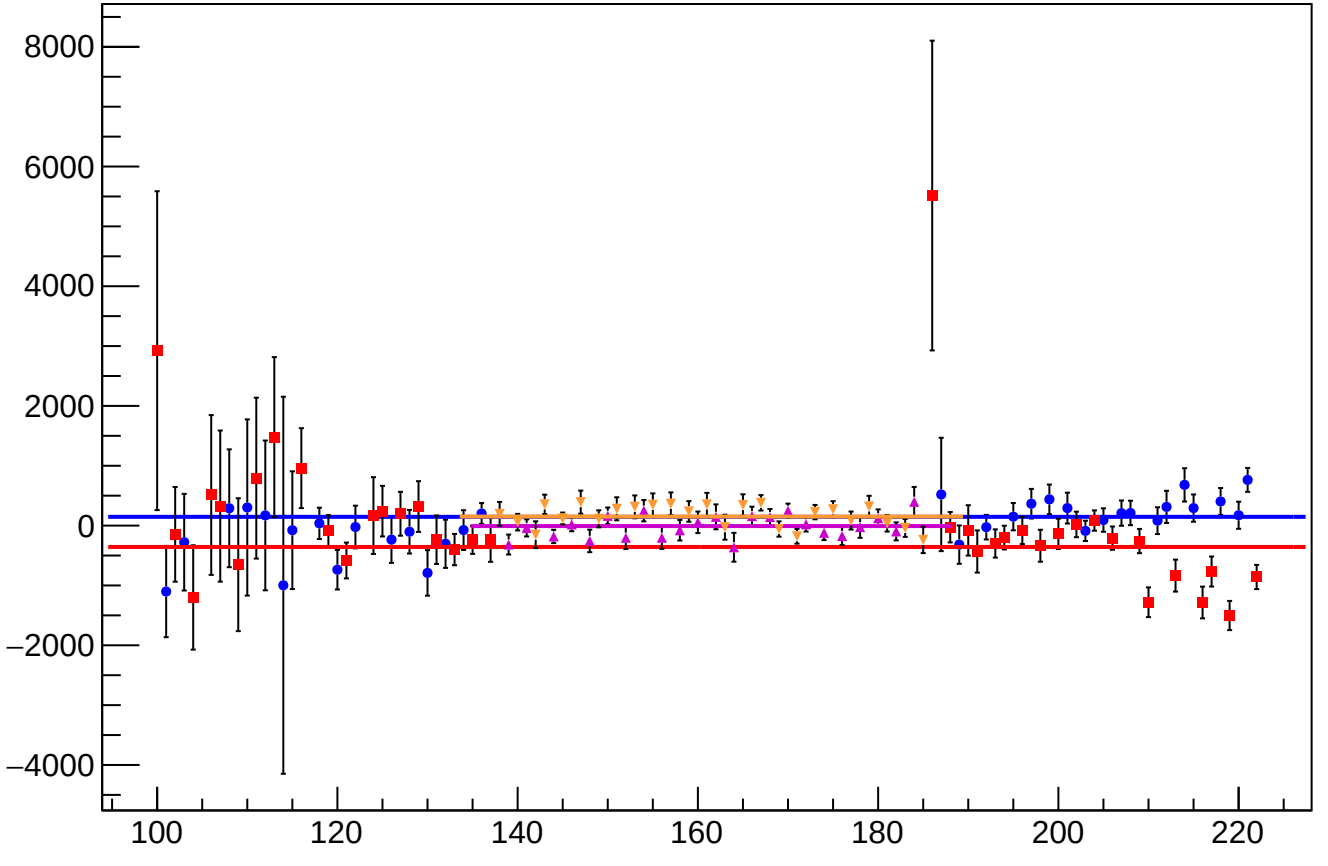
Right: 197.615+/-0.022 χ^2/NDF: 8849285.0/71

In: 153.775+/-0.018 χ^2/NDF:8260129.4/56

Out: 152.657+/-0.018 χ^2/NDF:9961944.7/62

All: 153.207+/-0.013 χ^2/NDF: 18224001.1/11

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: -357.035+/-48.080 χ^2/NDF: 100.5/37

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

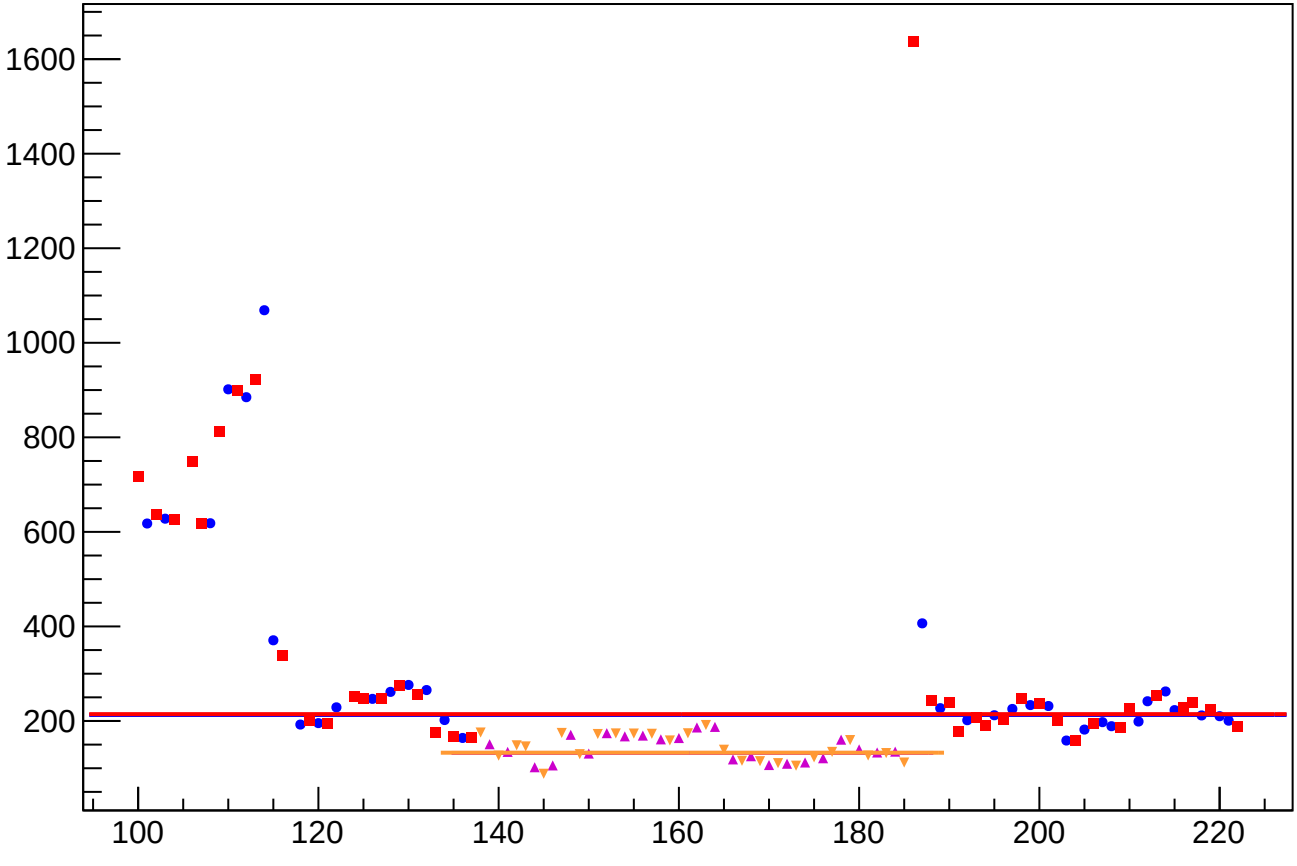
Right: -101.342+/-33.727 χ^2/NDF: 199.3/71

In: 39.688+/-26.292 χ^2/NDF:79.9/56

Out: 2.224+/-26.025 χ^2/NDF:212.6/62

All: 20.765+/-18.496 χ^2/NDF: 293.5/119

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: 214.453+/-0.034 χ^2/NDF: 4760467.2/37

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

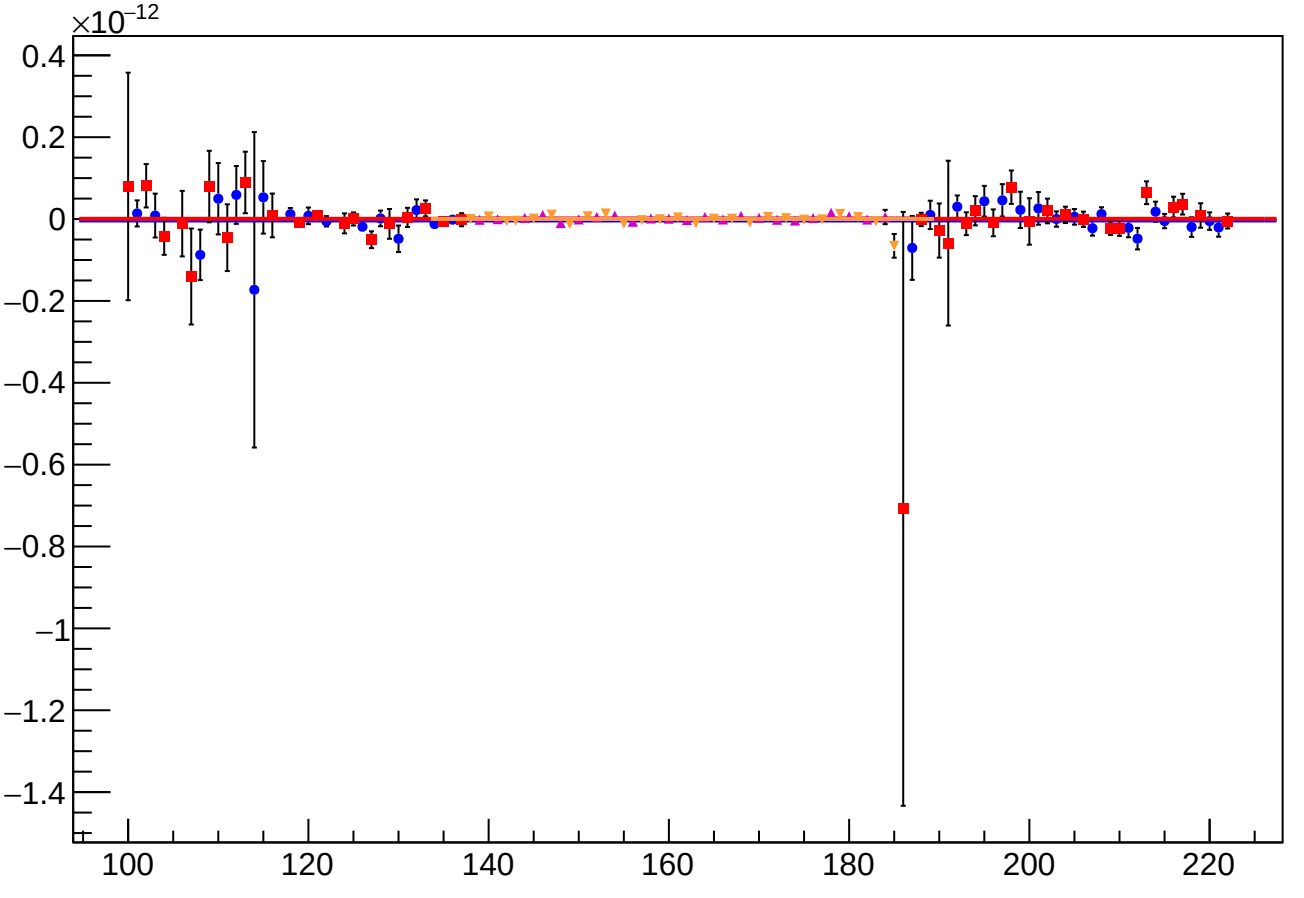
Right: 213.565+/-0.024 χ^2/NDF: 8248771.9/71

In: 157.148+/-0.019 χ^2/NDF:8752078.1/56

Out: 156.778+/-0.018 χ^2/NDF:10423422.1/62

All: 156.961+/-0.013 χ^2/NDF: 19175700.3/11

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: 36.3/37

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

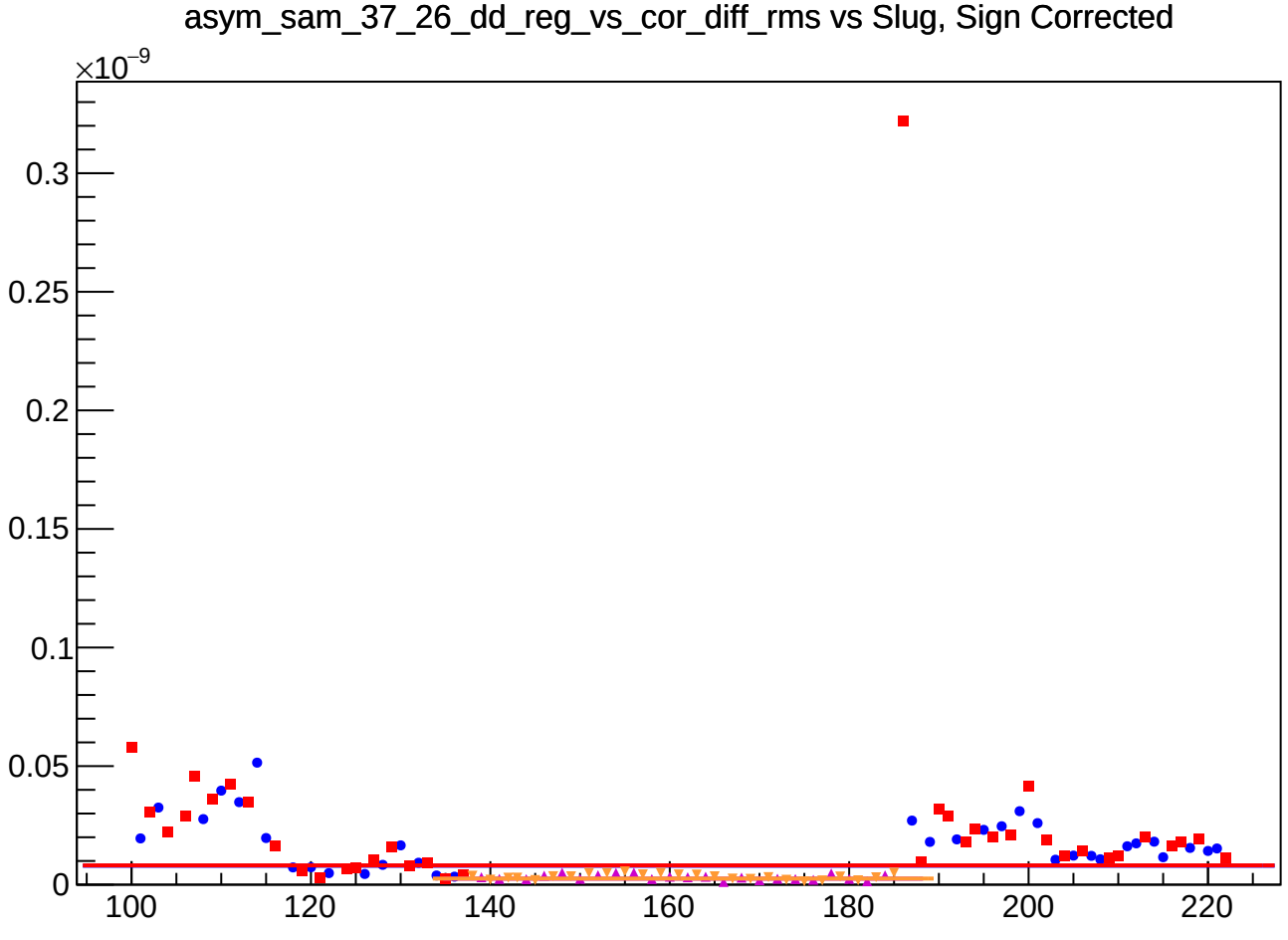
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.4/71

In: 0.000+/-0.000 χ^2/NDF:42.4/56

Out: 0.000+/-0.000 χ^2/NDF:68.5/62

All: 0.000+/-0.000 χ^2/NDF: 111.1/119



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: 8851260.6/37

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

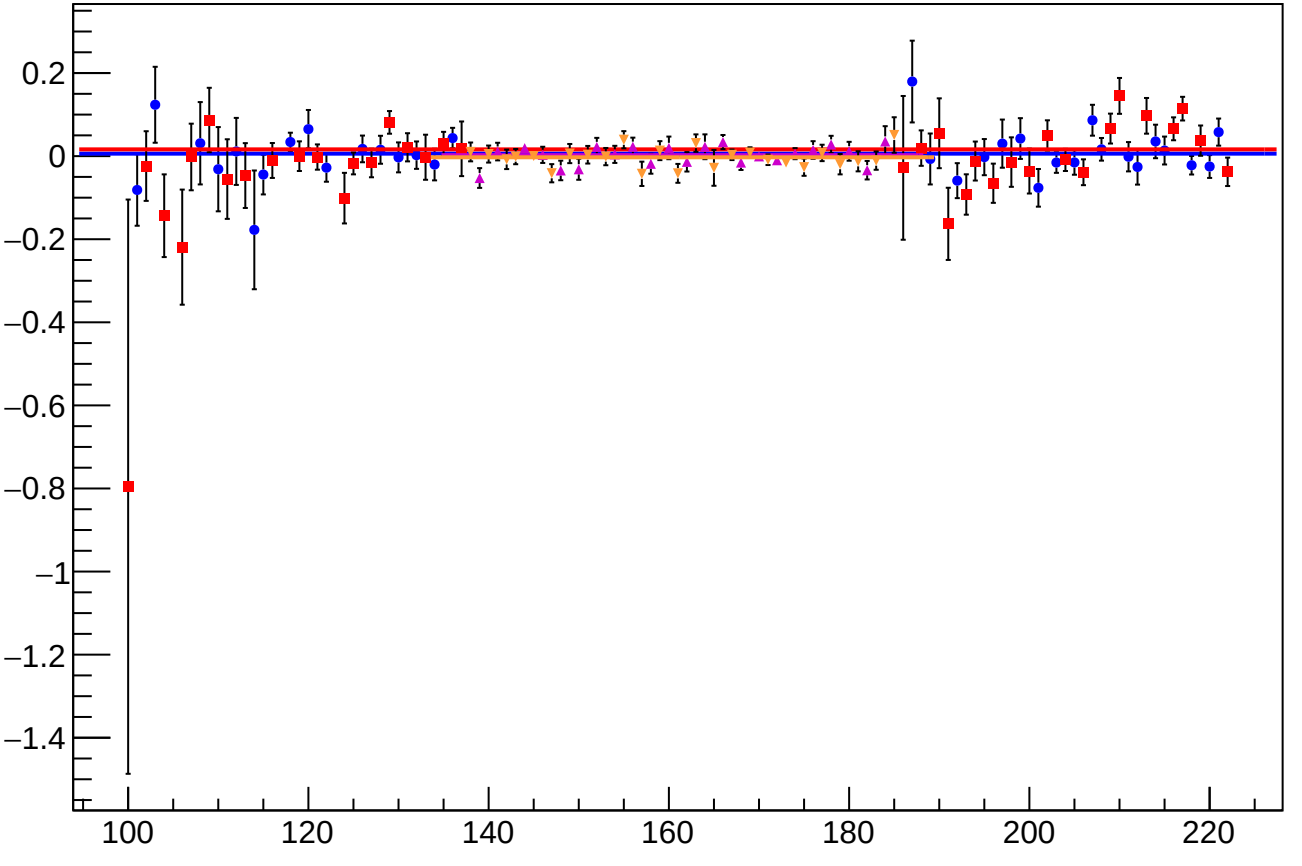
Right: 0.000+/-0.000 χ^2/NDF: 16710074.9/71

In: 0.000+/-0.000 χ^2/NDF:15022896.1/56

Out: 0.000+/-0.000 χ^2/NDF:16285756.1/62

All: 0.000+/-0.000 χ^2/NDF: 31309485.3/119

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.007 χ^2/NDF: 73.7/37

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

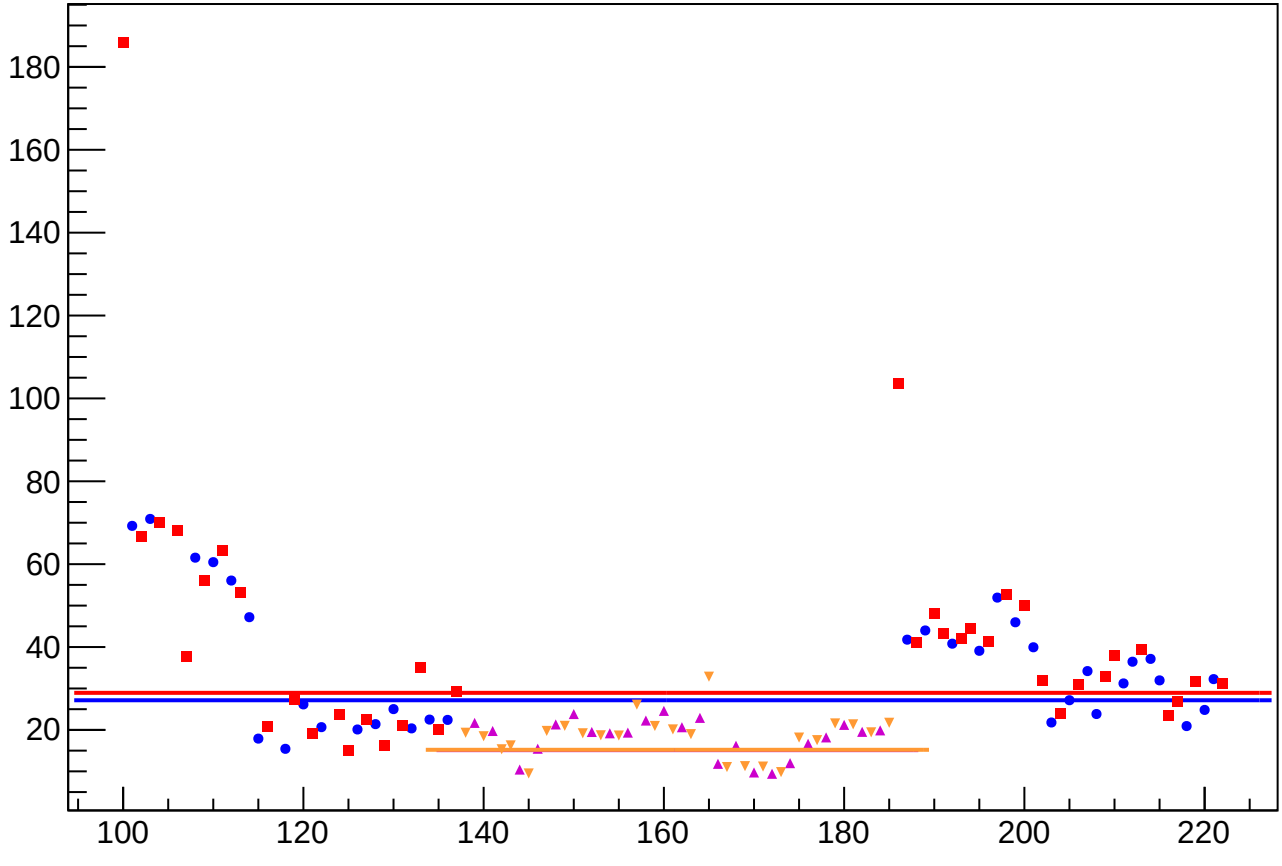
Right: 0.011+/-0.005 χ^2/NDF: 110.1/71

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.4/62

All: 0.002+/-0.002 χ^2/NDF: 164.9/119

asym_sam_37_26_dd_dit_vs_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: 28.947+/-0.005 χ^2/NDF: 5664434.7/37

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

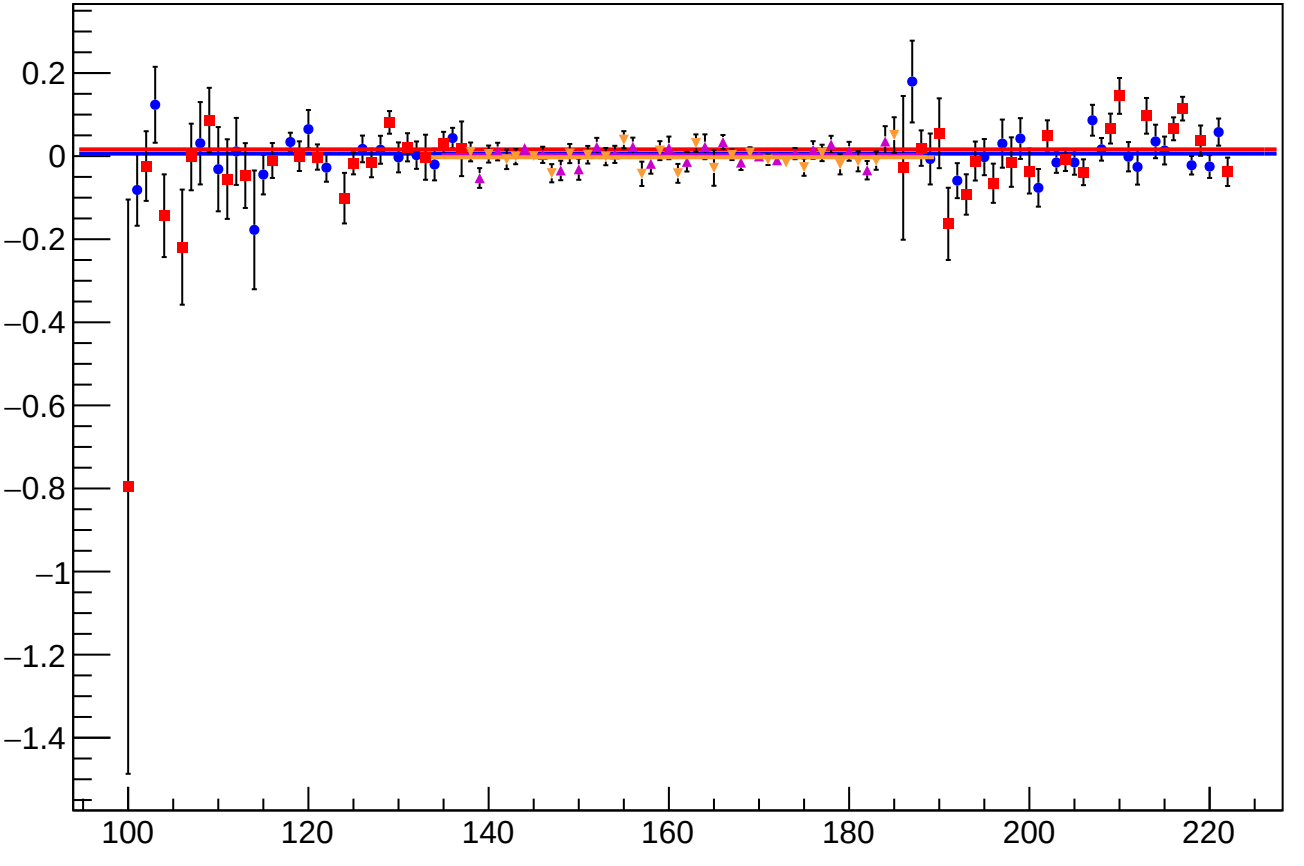
Right: 27.993+/-0.003 χ^2/NDF: 10551708.4/71

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.376+/-0.002 χ^2/NDF:15463291.1/62

All: 18.356+/-0.002 χ^2/NDF: 28974642.2/119

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: 0.016+/-0.007 χ^2/NDF: 73.7/37

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

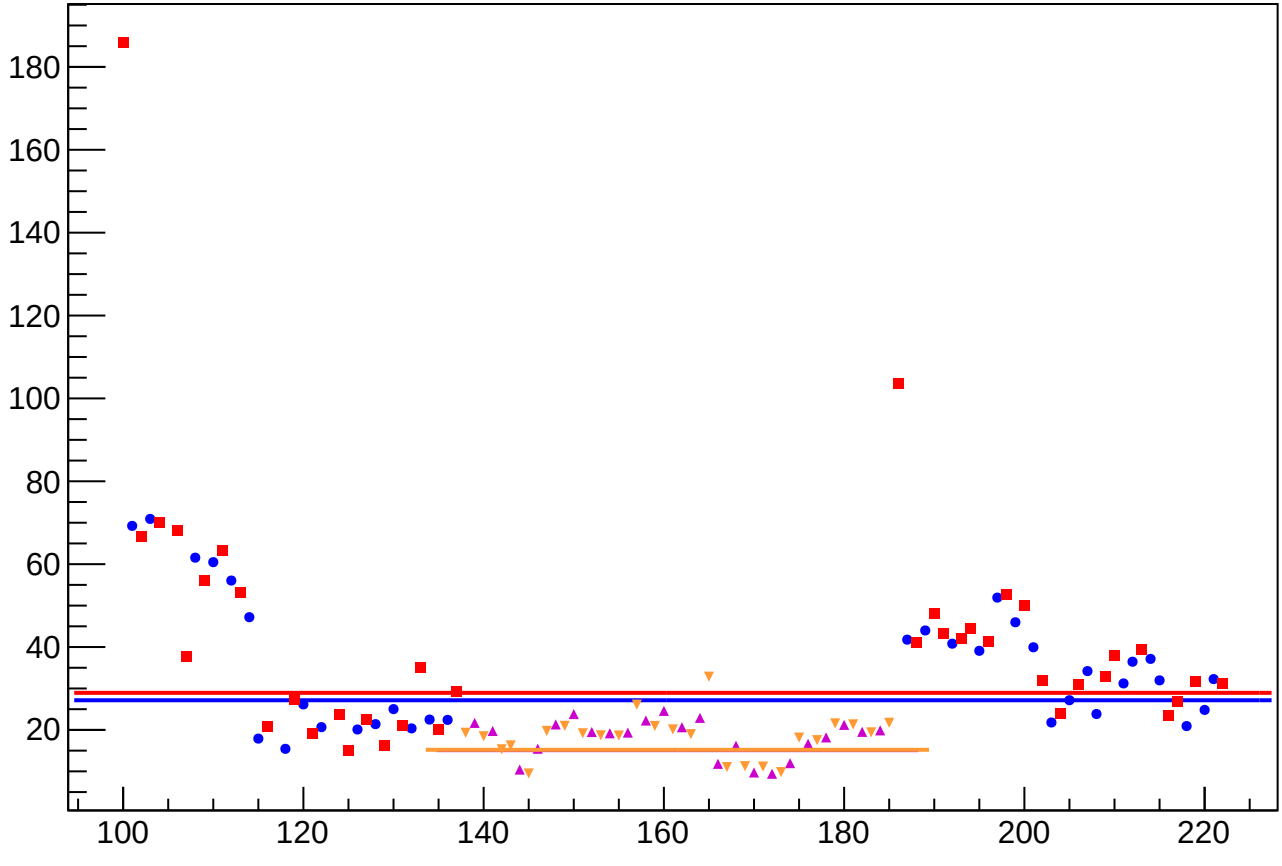
Right: 0.011+/-0.005 χ^2/NDF: 110.1/71

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.4/62

All: 0.002+/-0.002 χ^2/NDF: 164.9/119

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: 28.947+/-0.005 χ^2/NDF: 5664434.7/37

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

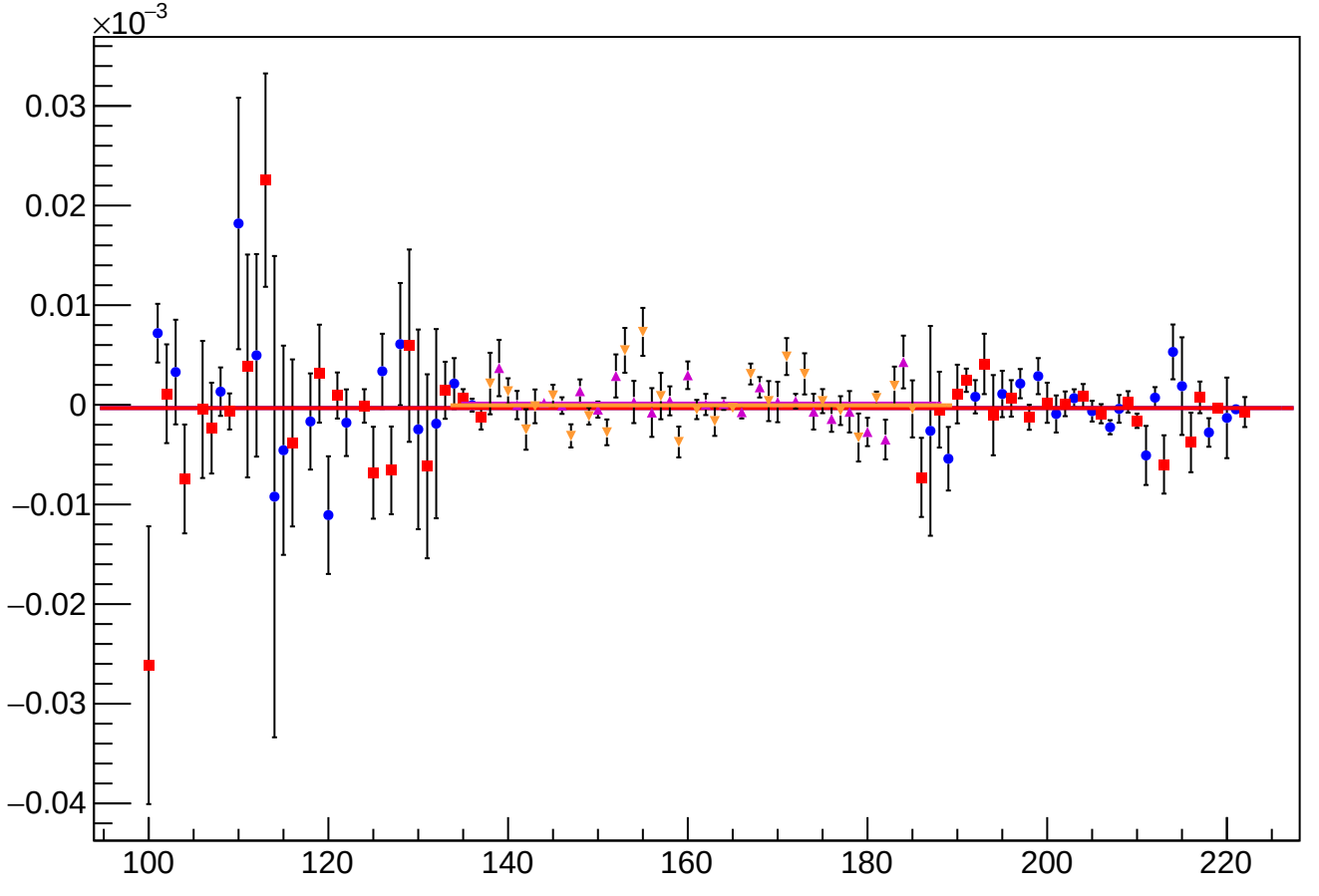
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.993+/-0.003 χ^2/NDF: 10551708.4/71

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.376+/-0.002 χ^2/NDF:15463291.1/62

All: 18.356+/-0.002 χ^2/NDF: 28974642.2/119



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: 40.6/37

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

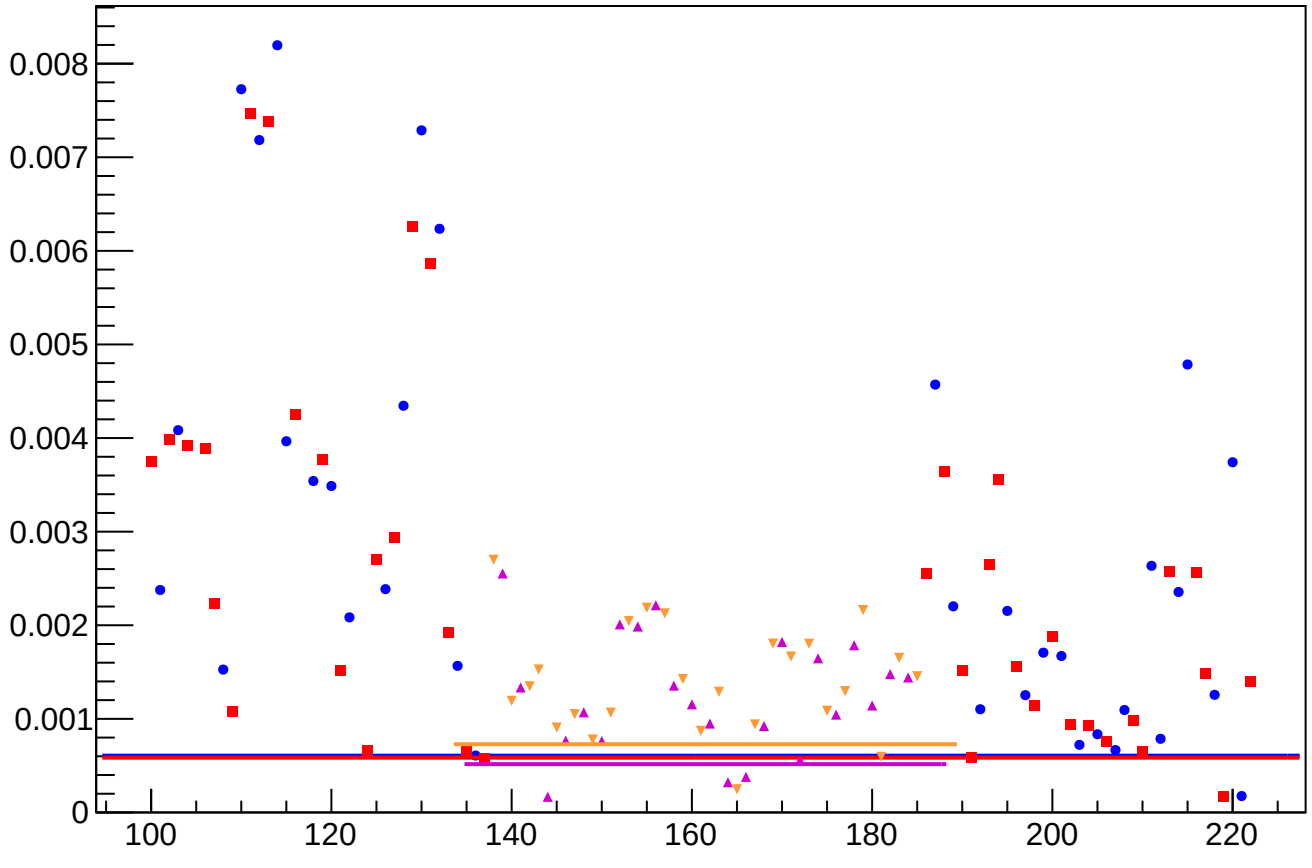
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 86.8/71

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: -0.000+/-0.000 χ^2/NDF:104.4/62

All: -0.000+/-0.000 χ^2/NDF: 179.1/119



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: 22849612.7/37

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

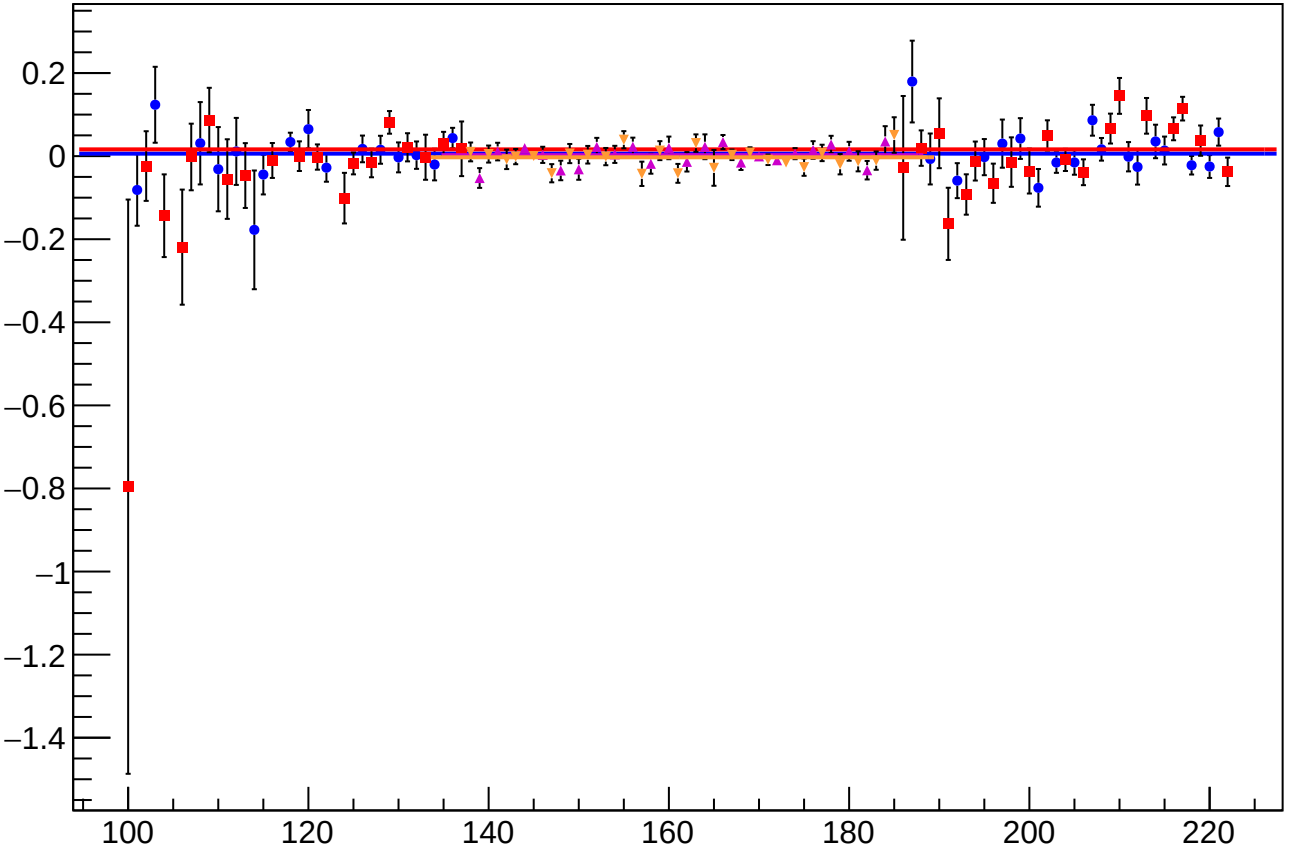
Right: 0.001+/-0.000 χ^2/NDF: 44596234.1/71

In: 0.001+/-0.000 χ^2/NDF:36984536.1/56

Out: 0.001+/-0.000 χ^2/NDF:36470713.9/62

All: 0.001+/-0.000 χ^2/NDF: 73975350.2/119

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.007 χ^2/NDF: 73.7/37

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

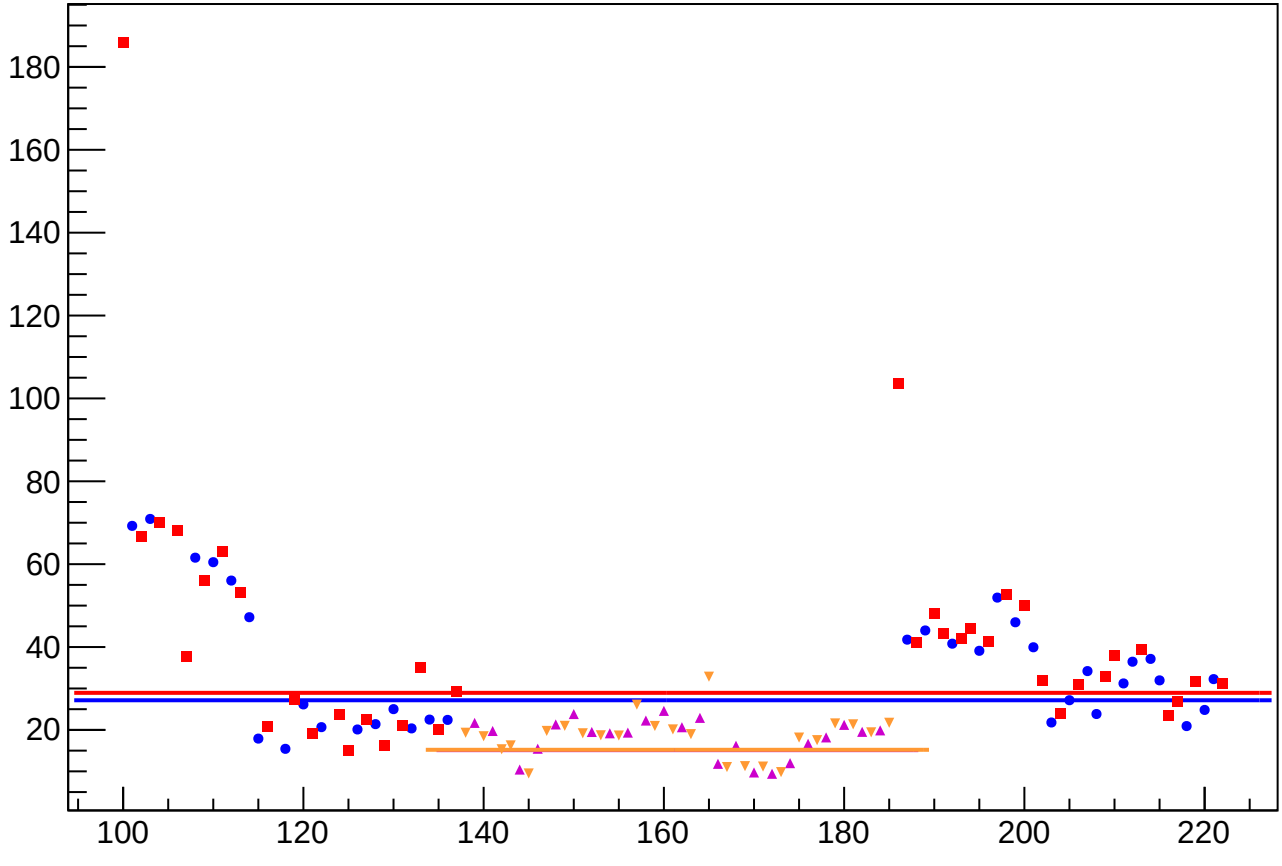
Right: 0.011+/-0.005 χ^2/NDF: 110.1/71

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.4/62

All: 0.002+/-0.002 χ^2/NDF: 164.9/119

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: 28.947+/-0.005 χ^2/NDF: 5664567.6/37

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

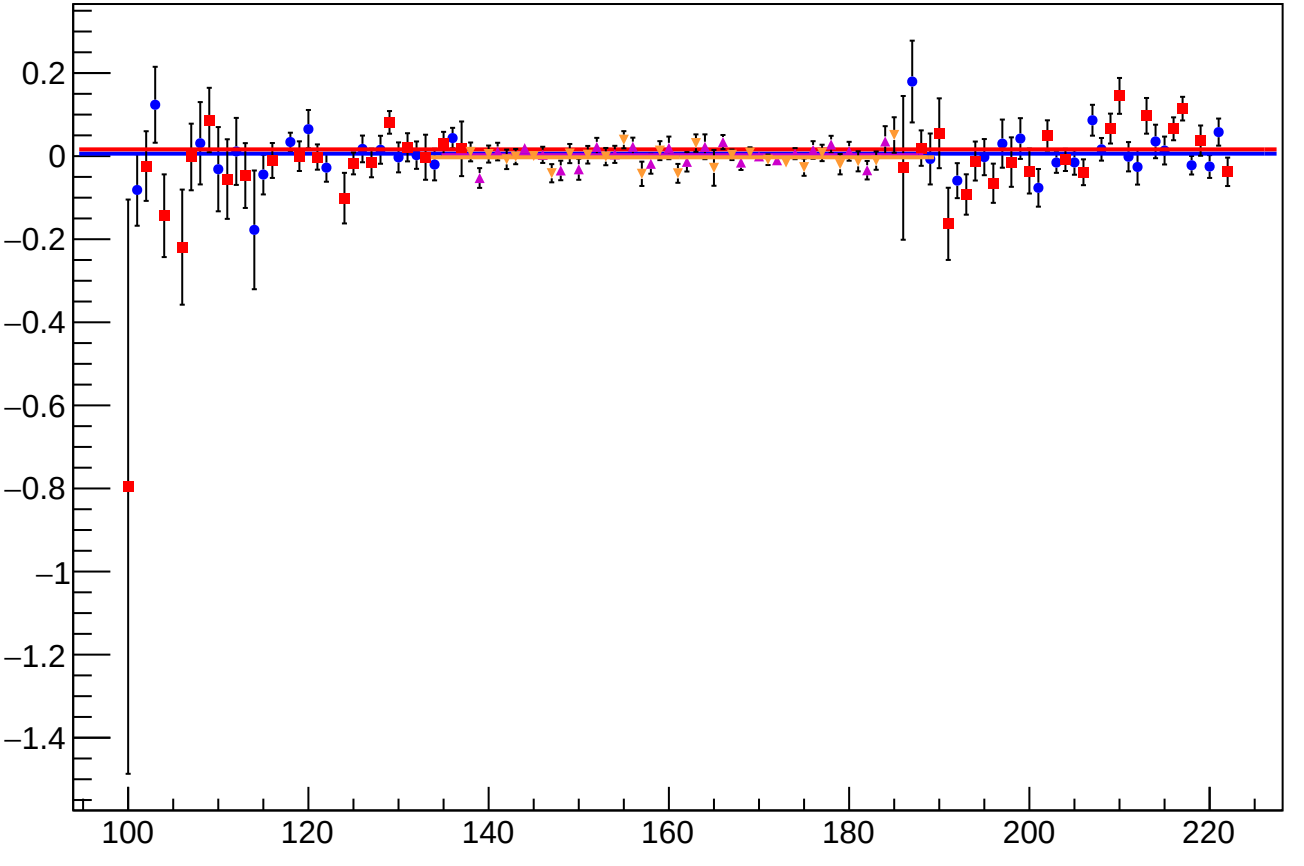
Right: 27.992+/-0.003 χ^2/NDF: 10552334.9/71

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.376+/-0.002 χ^2/NDF:15463375.4/62

All: 18.356+/-0.002 χ^2/NDF: 28974556.5/119

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.007 χ^2/NDF: 73.7/37

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

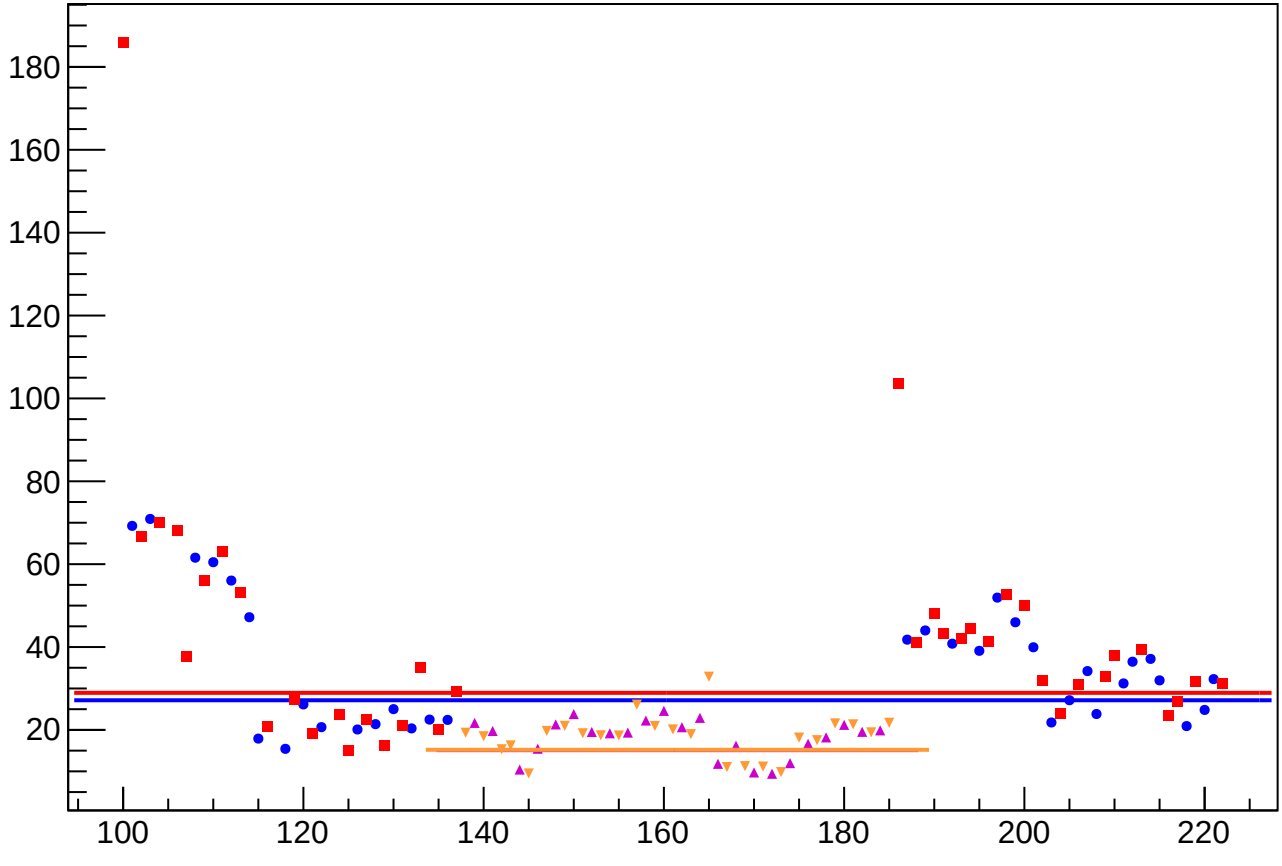
Right: 0.011+/-0.005 χ^2/NDF: 110.1/71

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.4/62

All: 0.002+/-0.002 χ^2/NDF: 164.9/119

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: 28.947+/-0.005 χ^2/NDF: 5664567.6/37

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

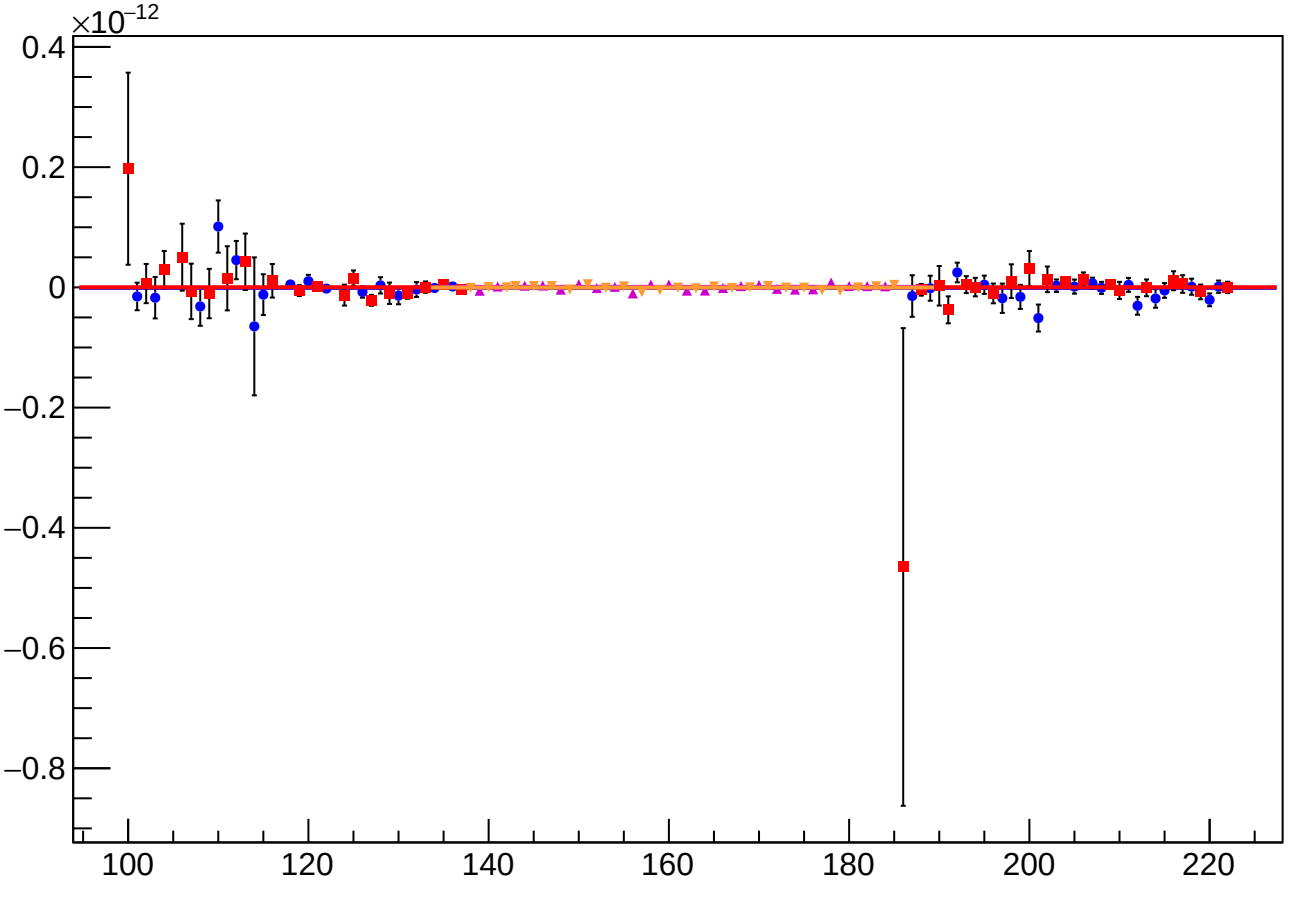
Right: 27.992+/-0.003 χ^2/NDF: 10552334.9/71

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.376+/-0.002 χ^2/NDF:15463375.4/62

All: 18.356+/-0.002 χ^2/NDF: 28974556.5/119

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/37

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

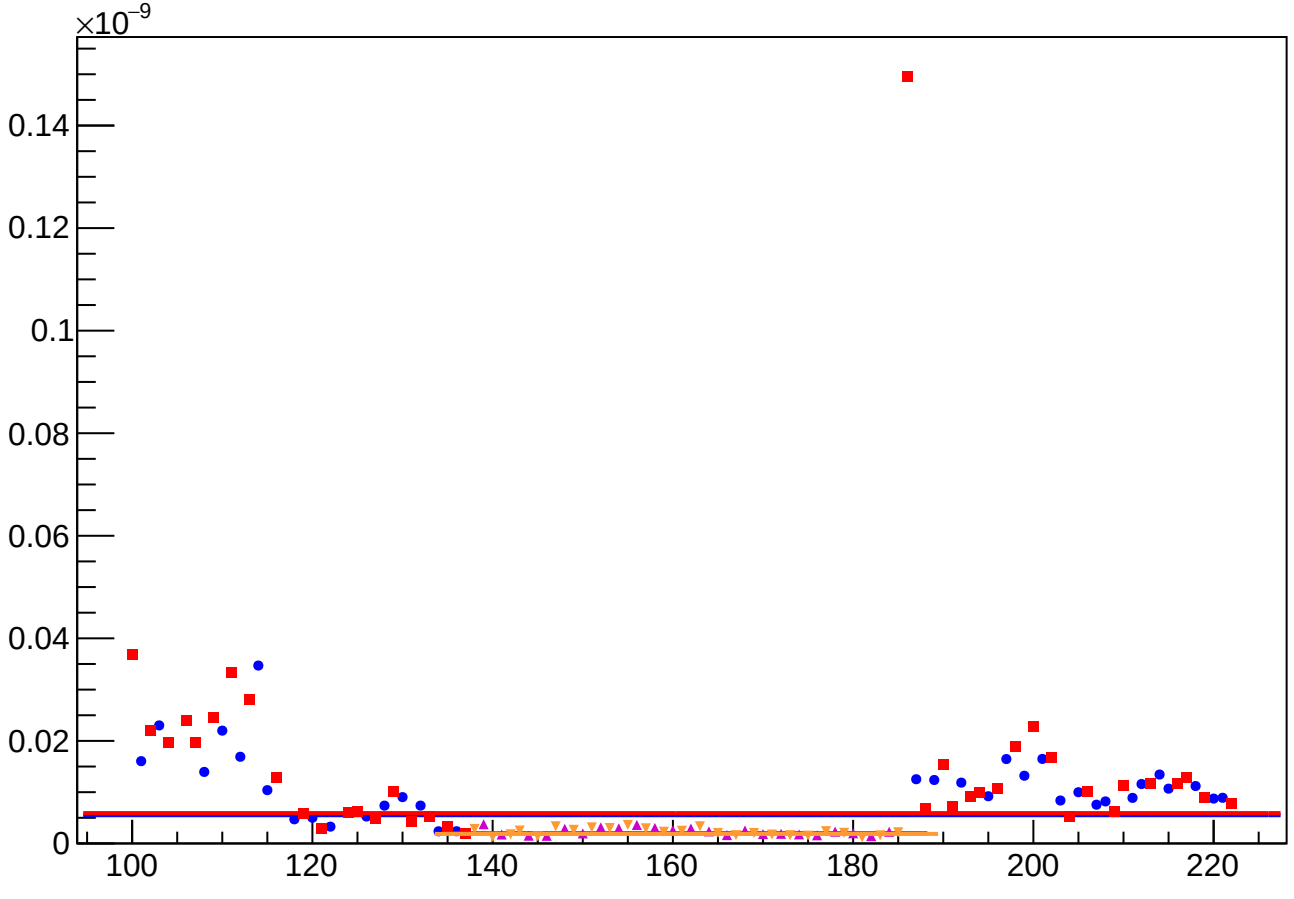
Right: -0.000+/-0.000 χ^2/NDF: 59.7/71

In: 0.000+/-0.000 χ^2/NDF:72.3/56

Out: -0.000+/-0.000 χ^2/NDF:49.0/62

All: 0.000+/-0.000 χ^2/NDF: 122.6/119

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: 9888195.3/37

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

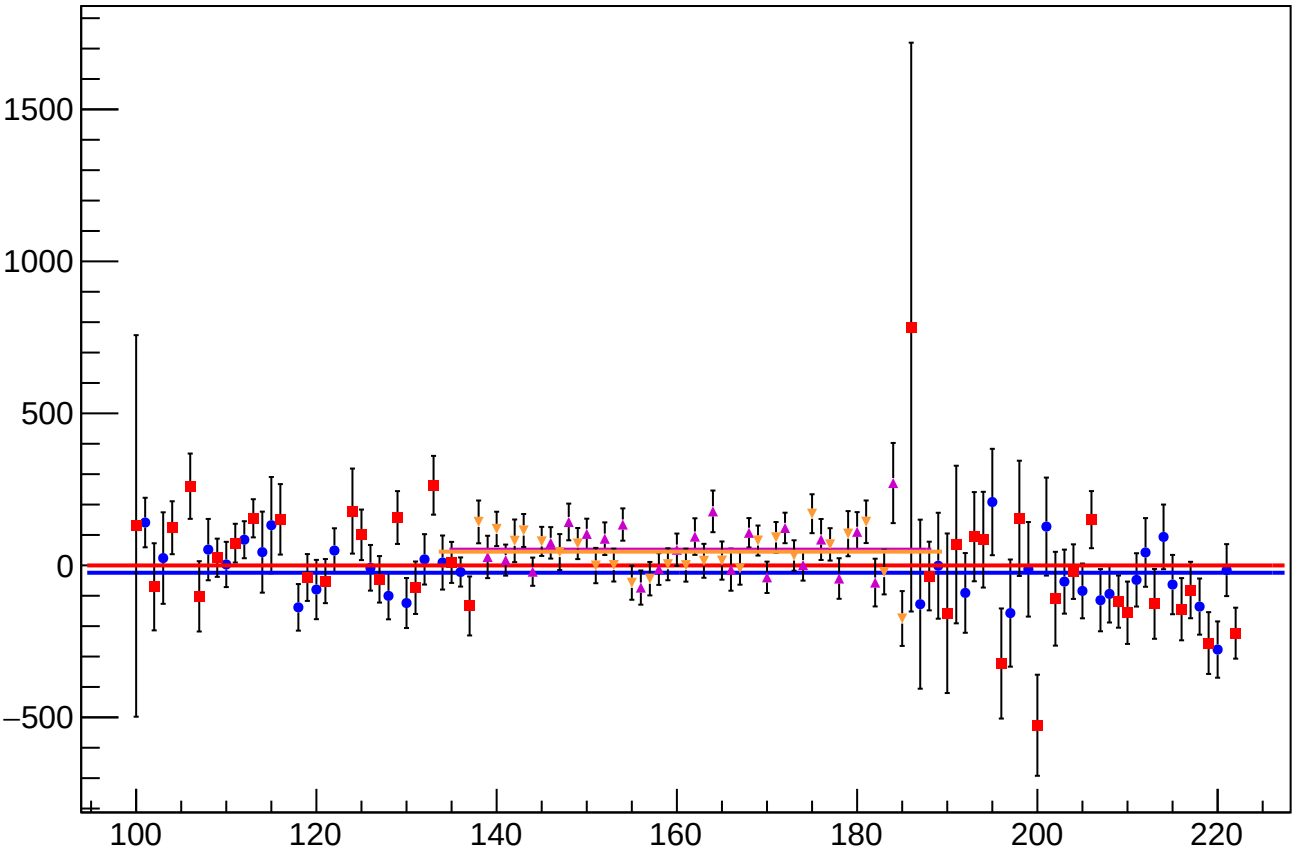
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19932902.8/71

In: 0.000+/-0.000 χ^2/NDF:19396635.6/56

Out: 0.000+/-0.000 χ^2/NDF:21332487.7/62

All: 0.000+/-0.000 χ^2/NDF: 40861629.6/119



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: -0.240+/-15.963 χ^2/NDF: 76.3/37

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

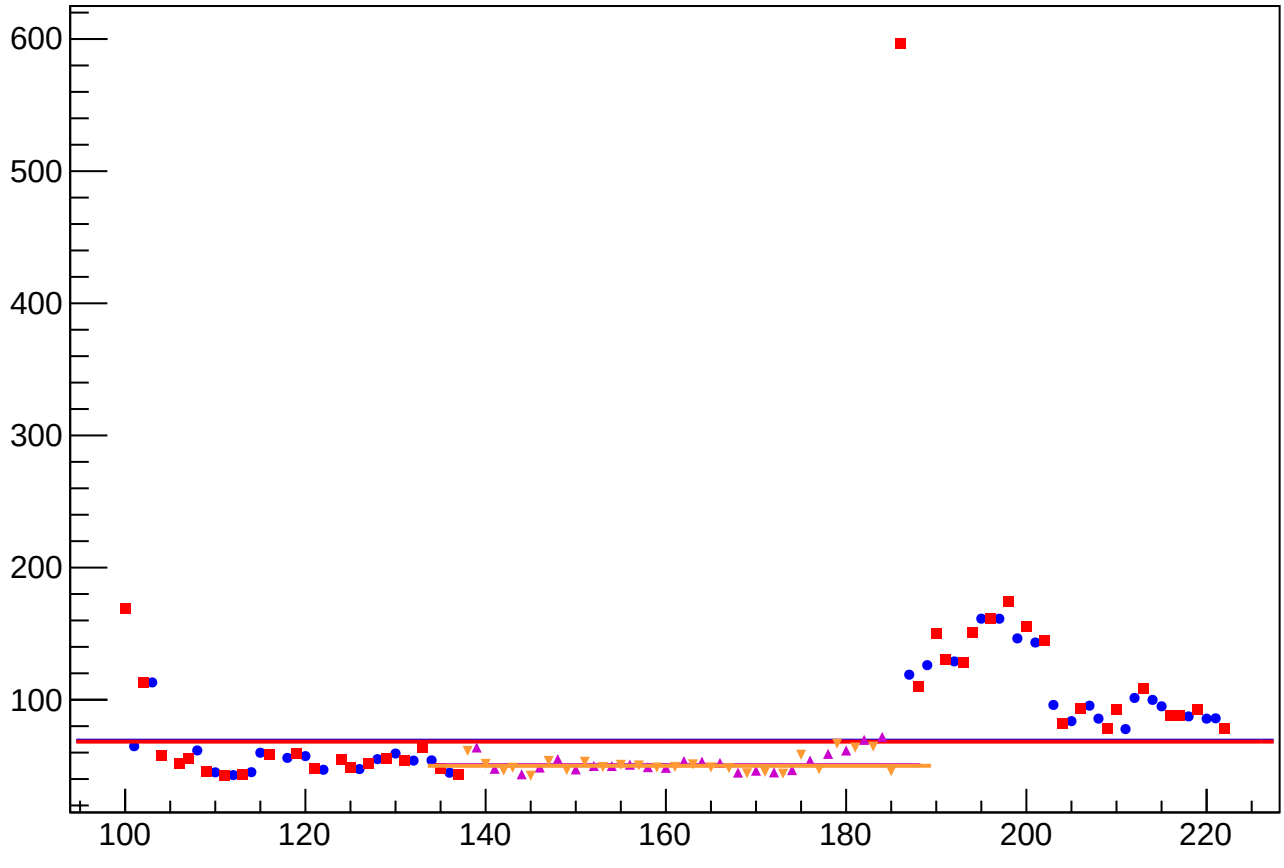
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: -12.291+/-11.273 χ^2/NDF: 109.4/71

In: 24.332+/-9.547 χ^2/NDF:82.4/56

Out: 29.613+/-9.328 χ^2/NDF:113.0/62

All: 27.034+/-6.672 χ^2/NDF: 195.5/119



Right In: 69.026+/-0.011 χ^2/NDF: 5812246.7/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 68.311+/-0.011 χ^2/NDF: 7279689.1/37

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

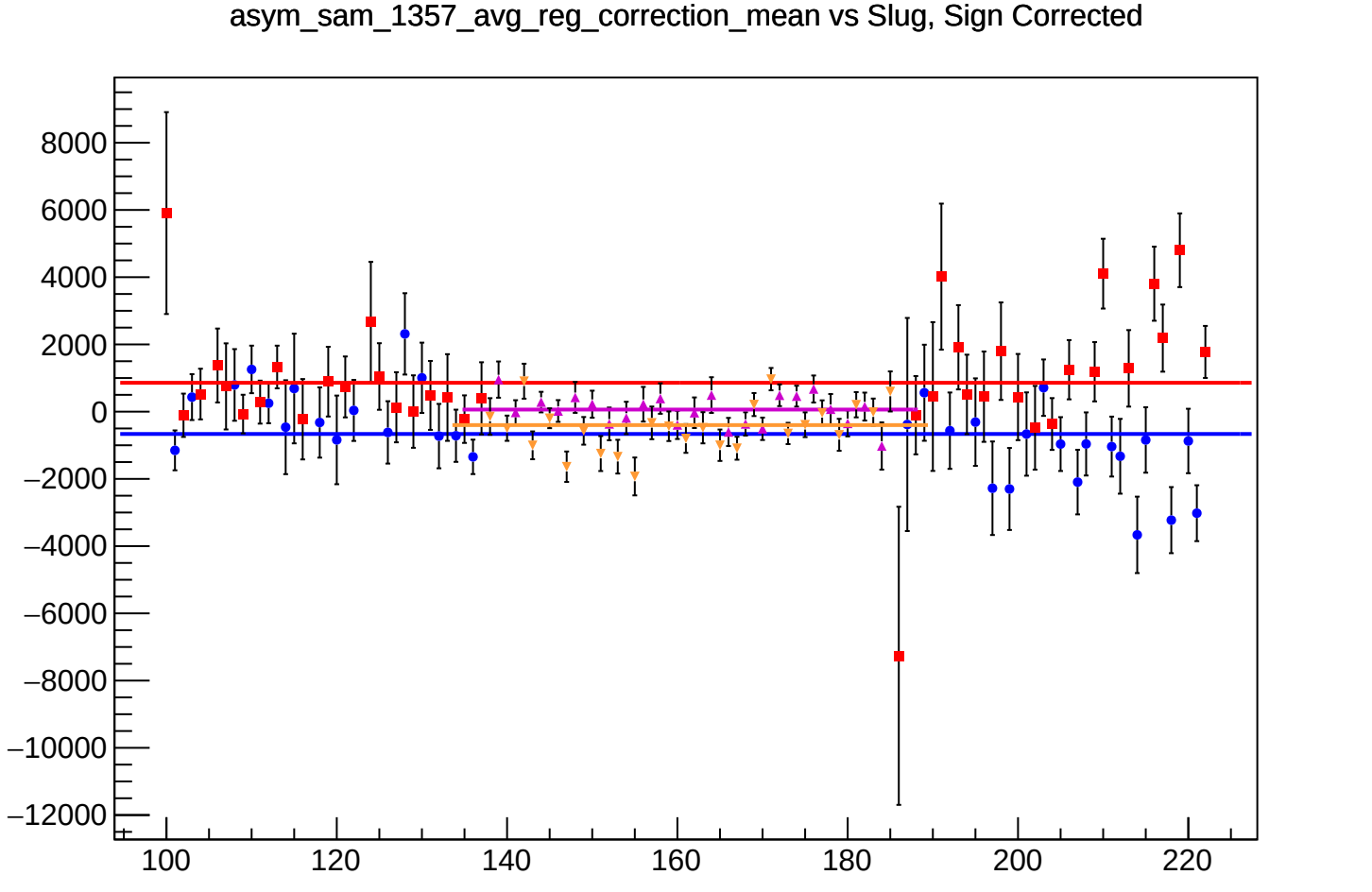
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.670+/-0.008 χ^2/NDF: 13093947.2/71

In: 57.168+/-0.007 χ^2/NDF:8047637.9/56

Out: 56.266+/-0.007 χ^2/NDF:9517863.0/62

All: 56.707+/-0.005 χ^2/NDF: 17574624.2/119



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: 858.431+/-159.773 χ^2/NDF: 60.1/37

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

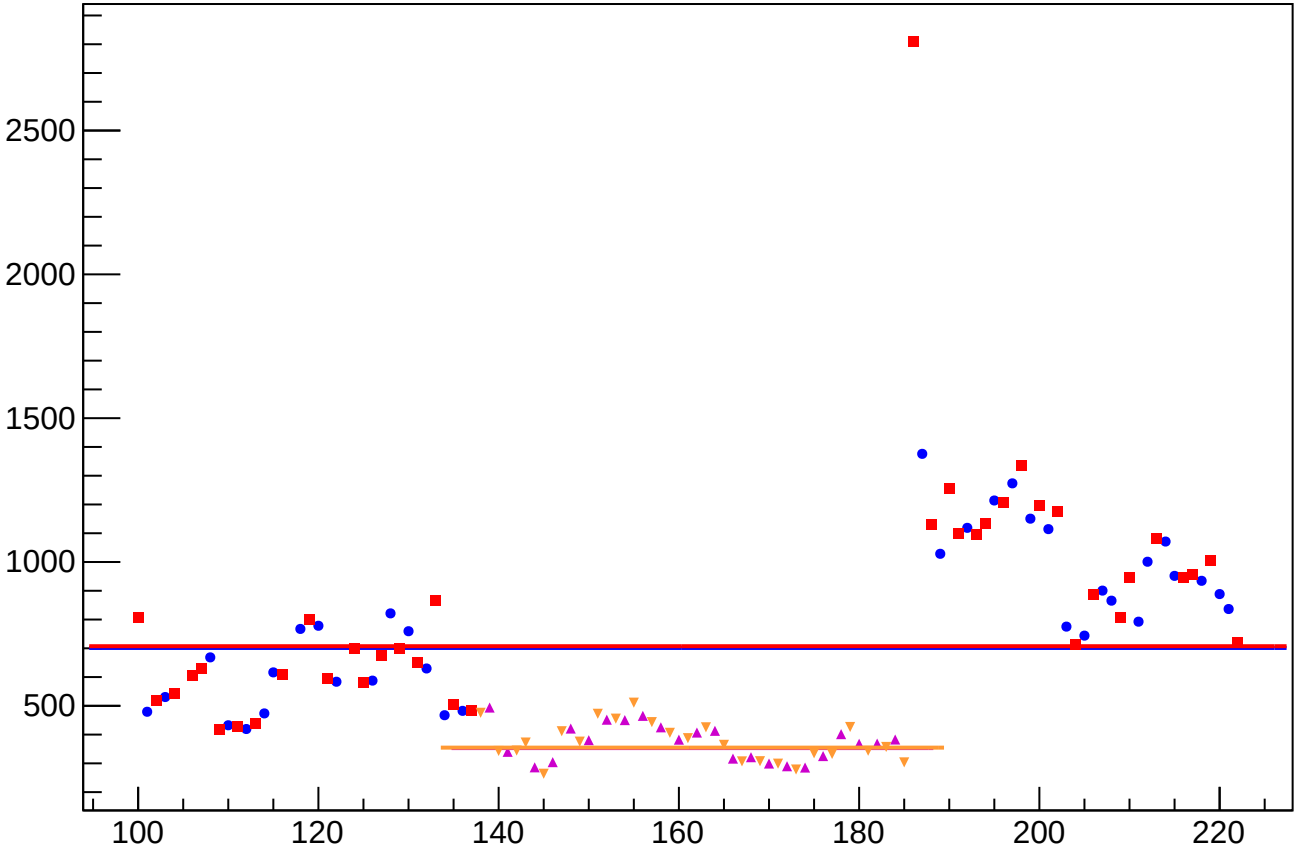
Right: 88.567+/-112.339 χ^2/NDF: 164.2/71

In: -97.692+/-74.094 χ^2/NDF:98.6/56

Out: -136.808+/-72.998 χ^2/NDF:174.5/62

All: -117.542+/-52.000 χ^2/NDF: 273.3/119

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: 707.251+/-0.113 χ^2/NDF: 5314083.2/37

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

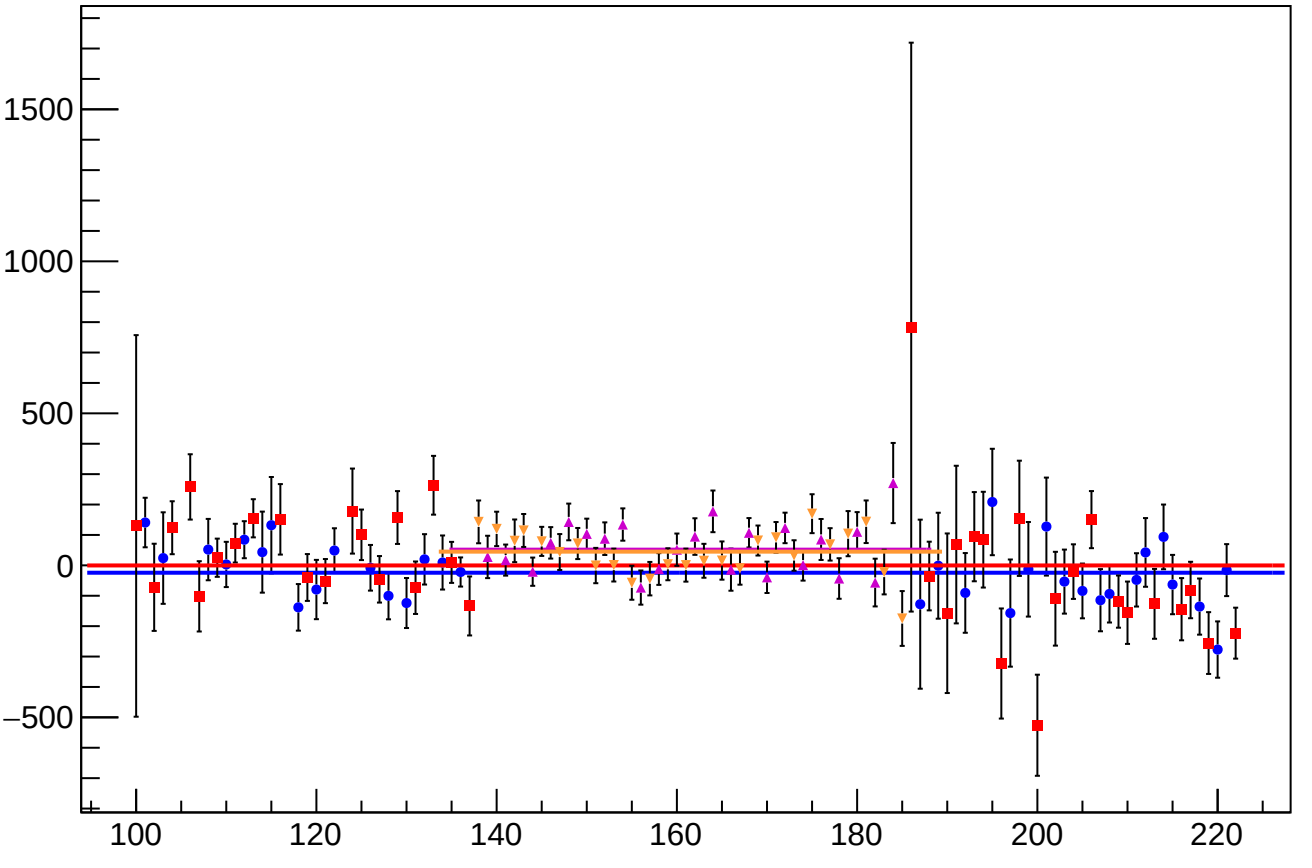
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 704.225+/-0.079 χ^2/NDF: 9709917.2/71

In: 429.689+/-0.052 χ^2/NDF:12975055.8/56

Out: 428.269+/-0.052 χ^2/NDF:14166077.3/62

All: 428.968+/-0.037 χ^2/NDF: 27141506.0/1



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: -0.318+/-15.963 χ^2/NDF: 76.2/37

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

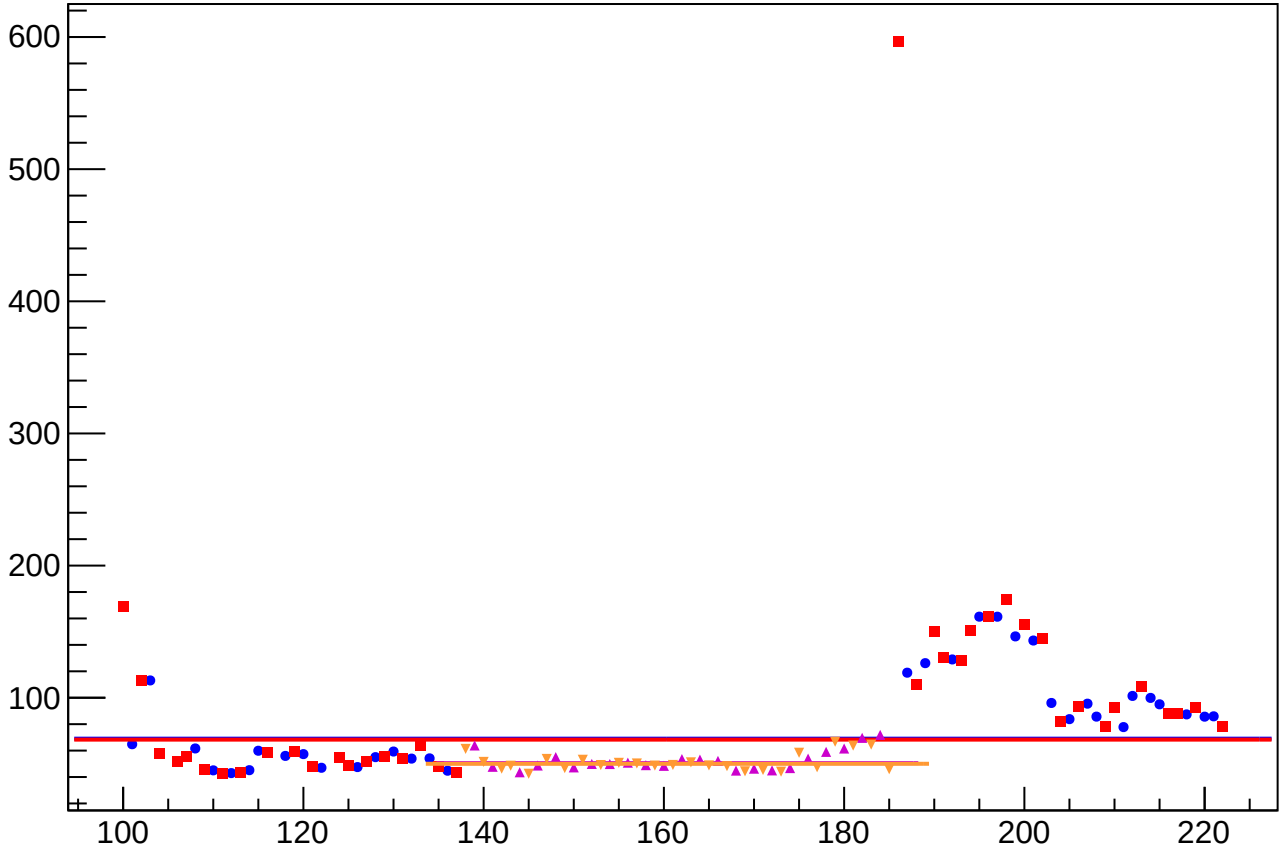
Right: -12.331+/-11.273 χ^2/NDF: 109.3/71

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 29.590+/-9.328 χ^2/NDF:112.9/62

All: 27.021+/-6.672 χ^2/NDF: 195.4/119

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 68.305+/-0.011 χ^2/NDF: 7281627.9/37

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

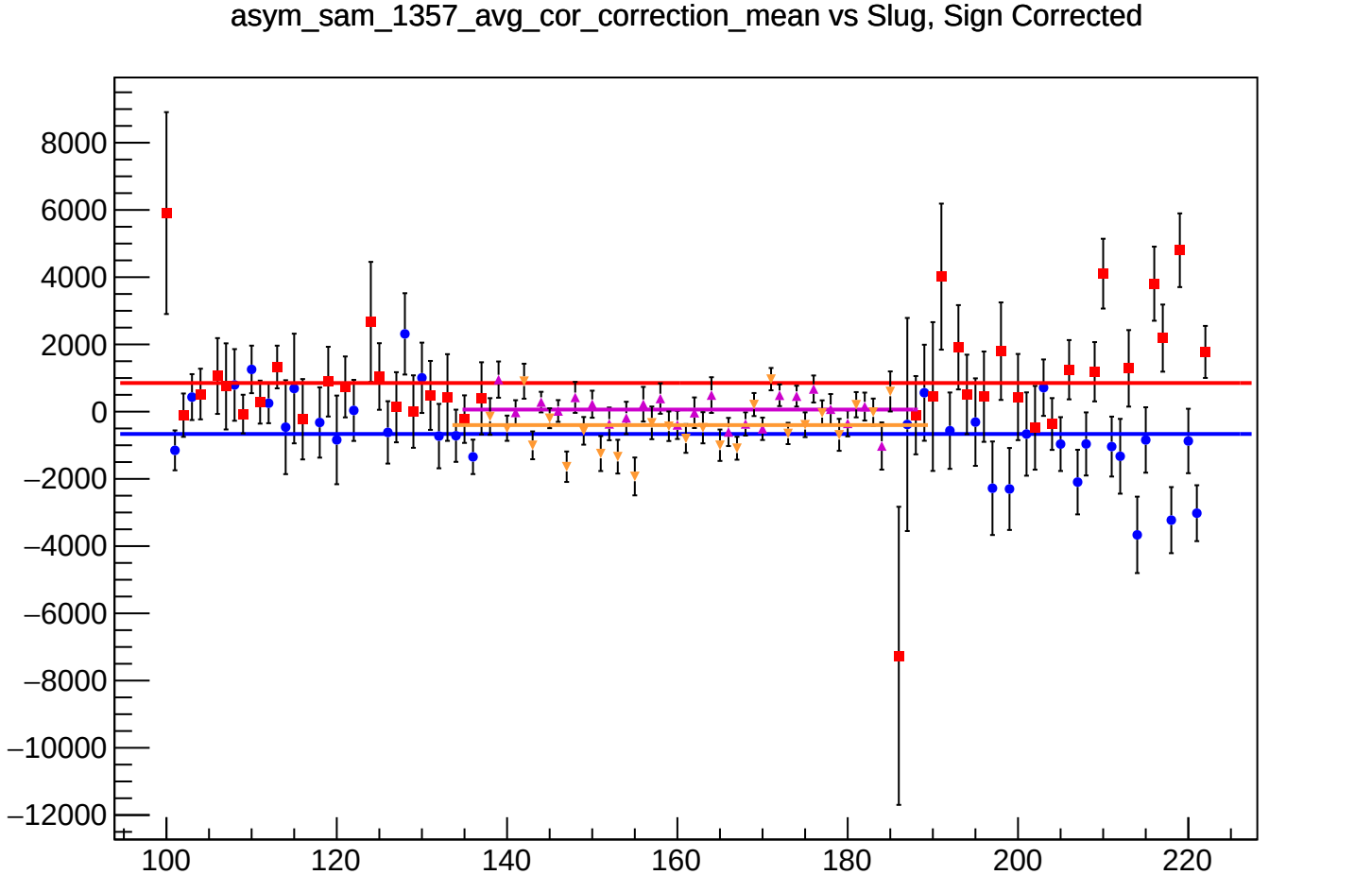
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.667+/-0.008 χ^2/NDF: 13095923.5/71

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 56.264+/-0.007 χ^2/NDF:9518582.1/62

All: 56.706+/-0.005 χ^2/NDF: 17575391.7/119



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: 851.931+/-159.866 χ^2/NDF: 59.9/37

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

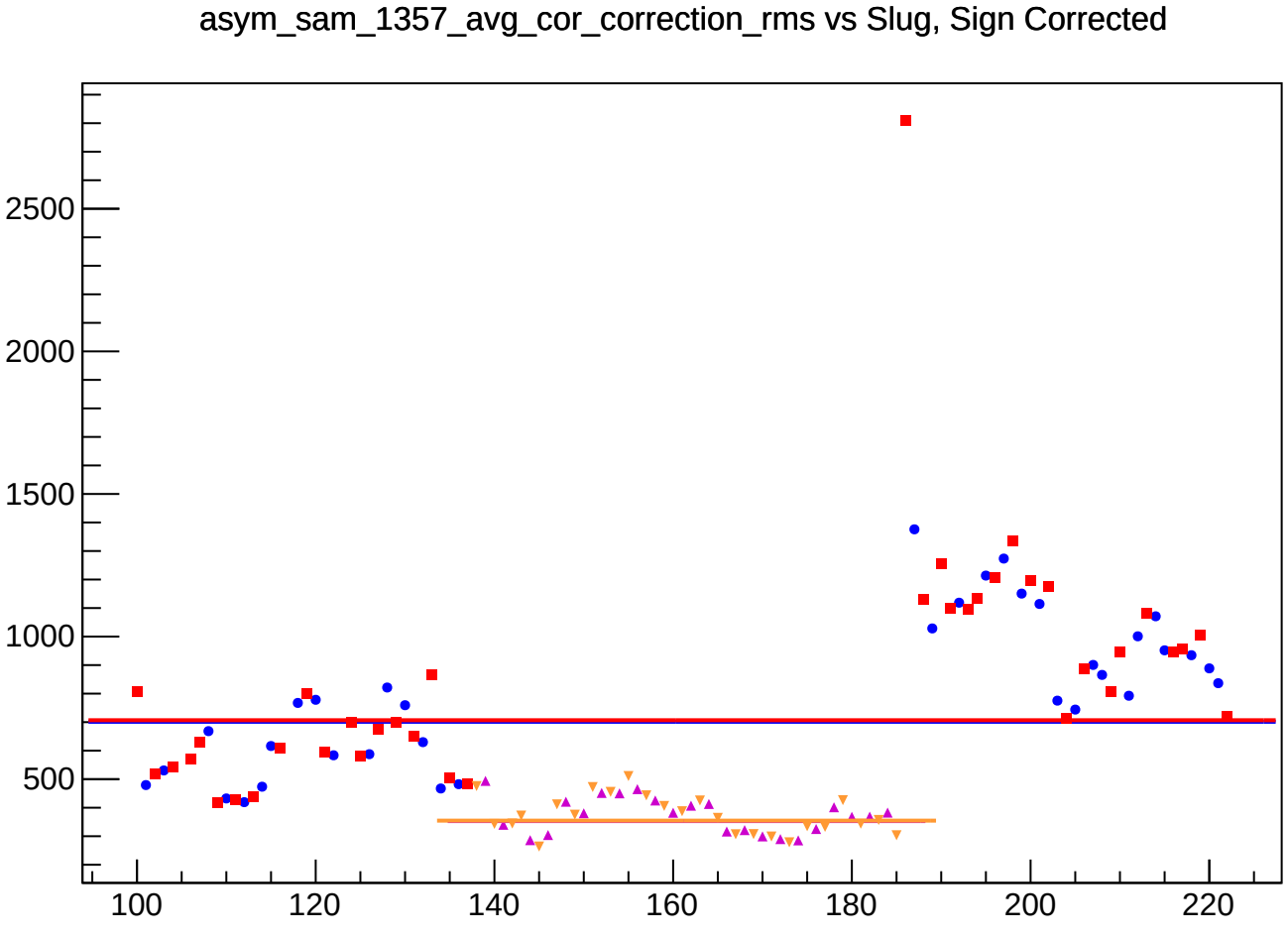
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 84.922+/-112.372 χ^2/NDF: 163.6/71

In: -97.690+/-74.094 χ^2/NDF:98.6/56

Out: -138.401+/-73.007 χ^2/NDF:173.8/62

All: -118.346+/-52.004 χ^2/NDF: 272.6/119



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: 706.695+/-0.113 χ^2/NDF: 5325279.3/37

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

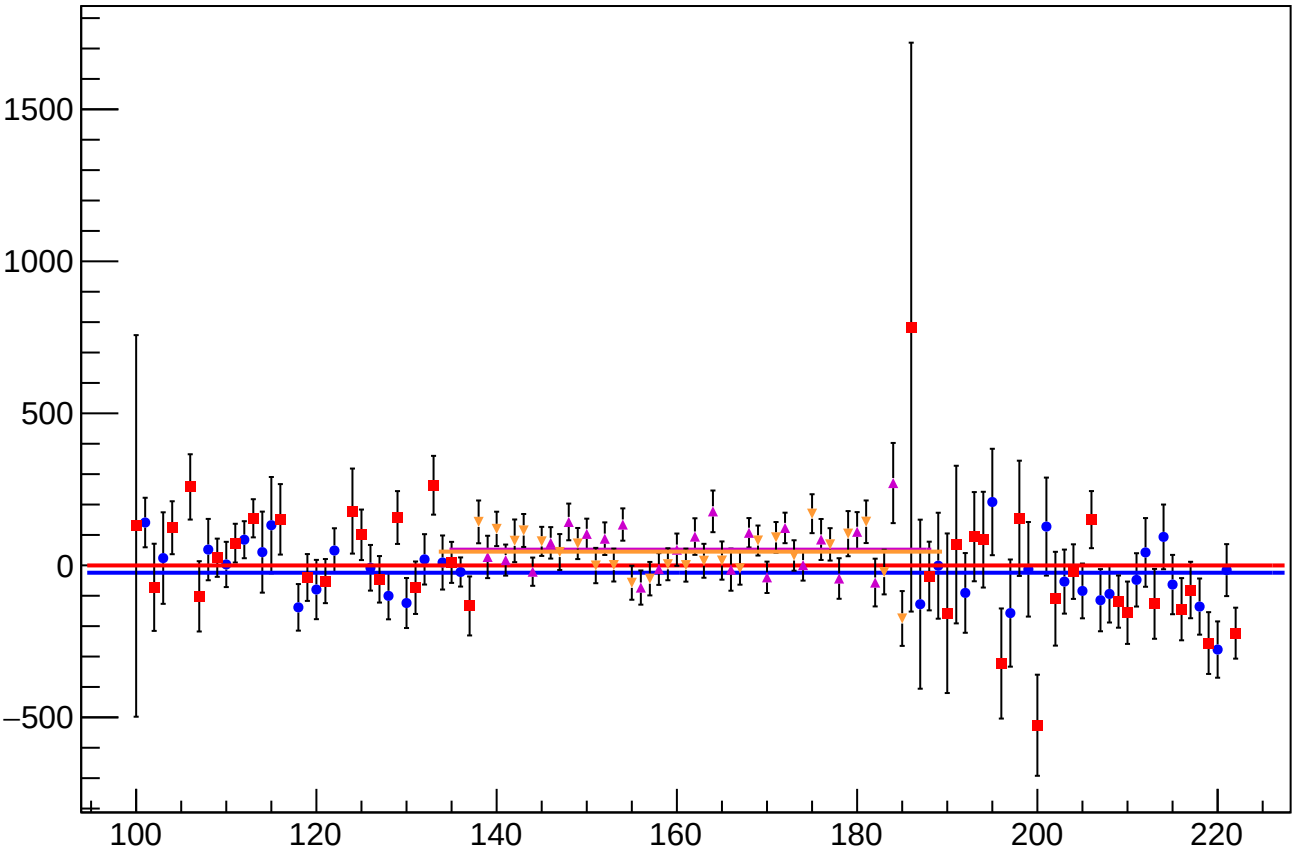
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 703.951+/-0.079 χ^2/NDF: 9720750.9/71

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 428.085+/-0.052 χ^2/NDF:14145957.3/62

All: 428.875+/-0.037 χ^2/NDF: 27121532.1/11



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: -0.318+/-15.963 χ^2/NDF: 76.2/37

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

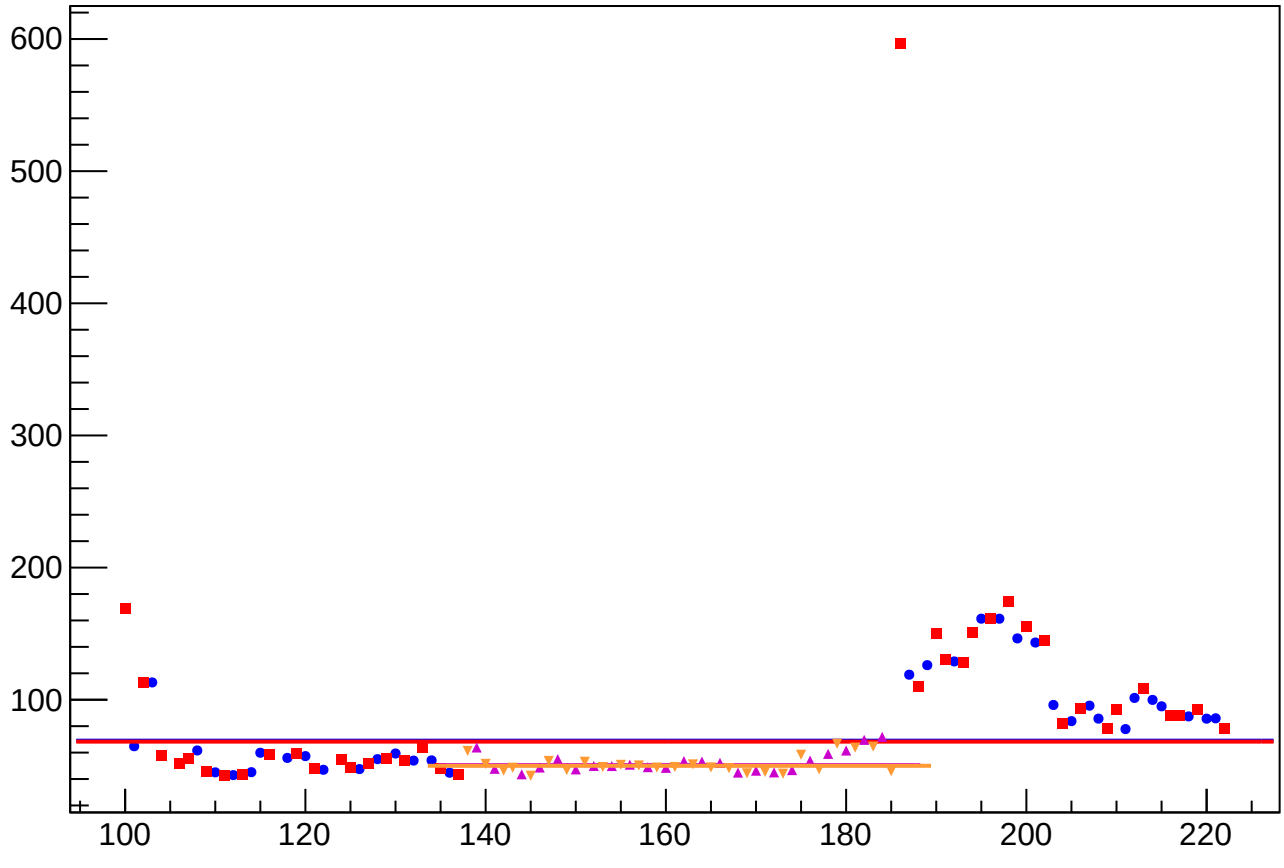
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -12.331+/-11.273 χ^2/NDF: 109.3/71

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 29.590+/-9.328 χ^2/NDF:112.9/62

All: 27.021+/-6.672 χ^2/NDF: 195.4/119



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 68.305+/-0.011 χ^2/NDF: 7281627.9/37

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

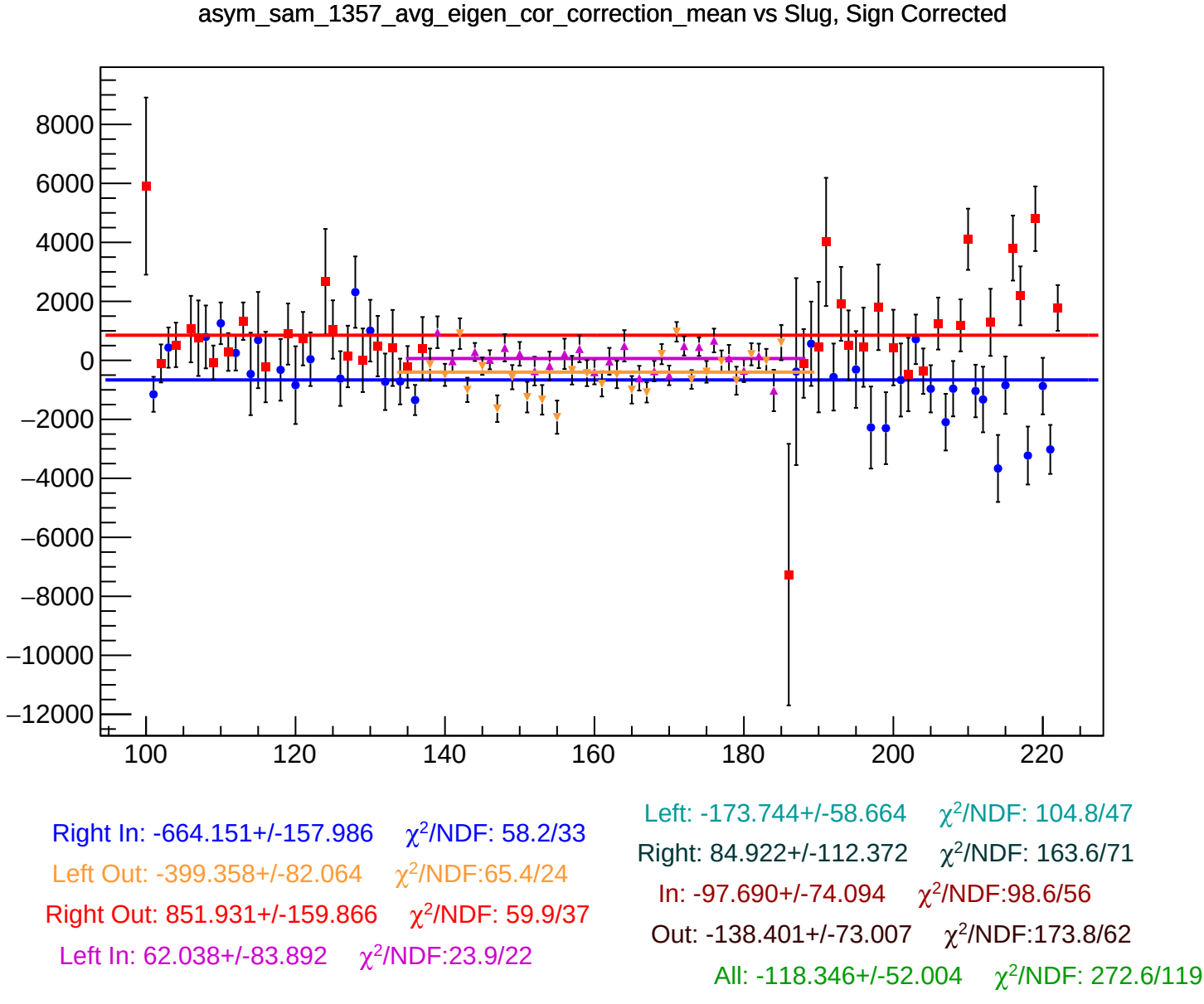
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

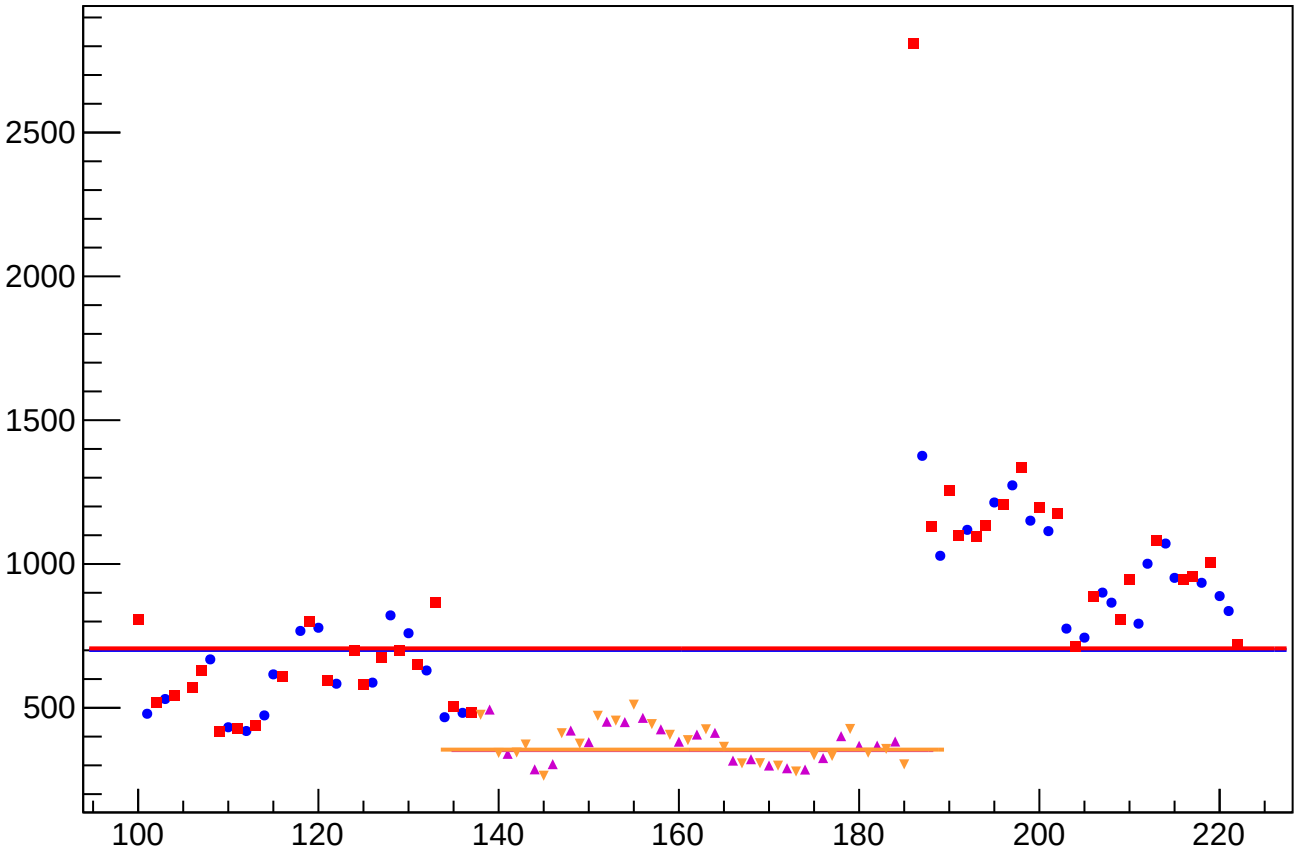
Right: 68.667+/-0.008 χ^2/NDF: 13095923.5/71

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 56.264+/-0.007 χ^2/NDF:9518582.1/62

All: 56.706+/-0.005 χ^2/NDF: 17575391.7/119


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -664.151+/-157.986 χ²/NDF: 58.2/33
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 851.931+/-159.866 χ²/NDF: 59.9/37
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 84.922+/-112.372 χ²/NDF: 163.6/71
In: -97.690+/-74.094 χ²/NDF:98.6/56
Out: -138.401+/-73.007 χ²/NDF:173.8/62
All: -118.346+/-52.004 χ²/NDF: 272.6/119



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: 706.695+/-0.113 χ^2/NDF: 5325279.3/37

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

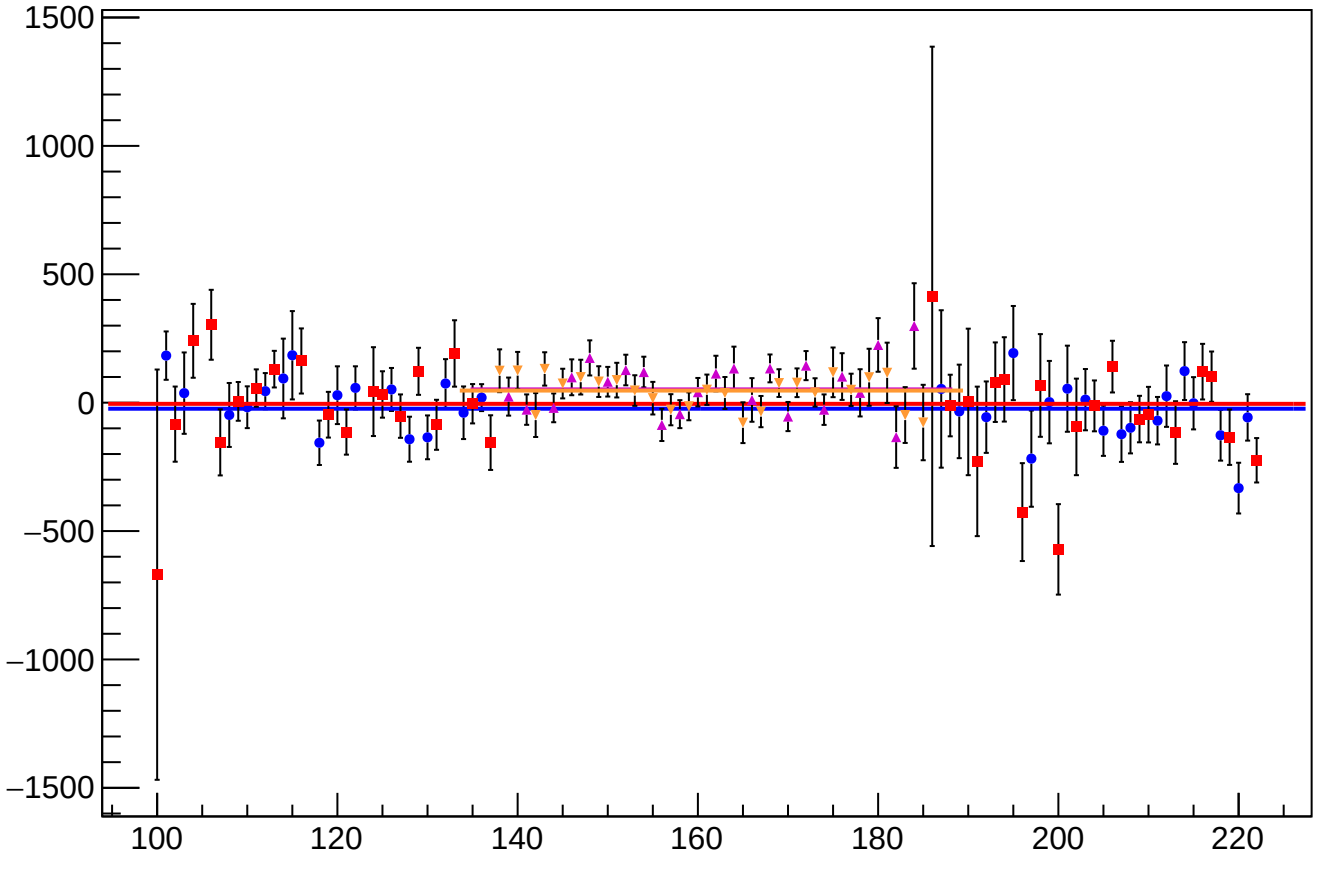
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 703.951+/-0.079 χ^2/NDF: 9720750.9/71

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 428.085+/-0.052 χ^2/NDF:14145957.3/62

All: 428.875+/-0.037 χ^2/NDF: 27121532.1/11



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: -4.564+/-17.961 χ^2/NDF: 56.6/37

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

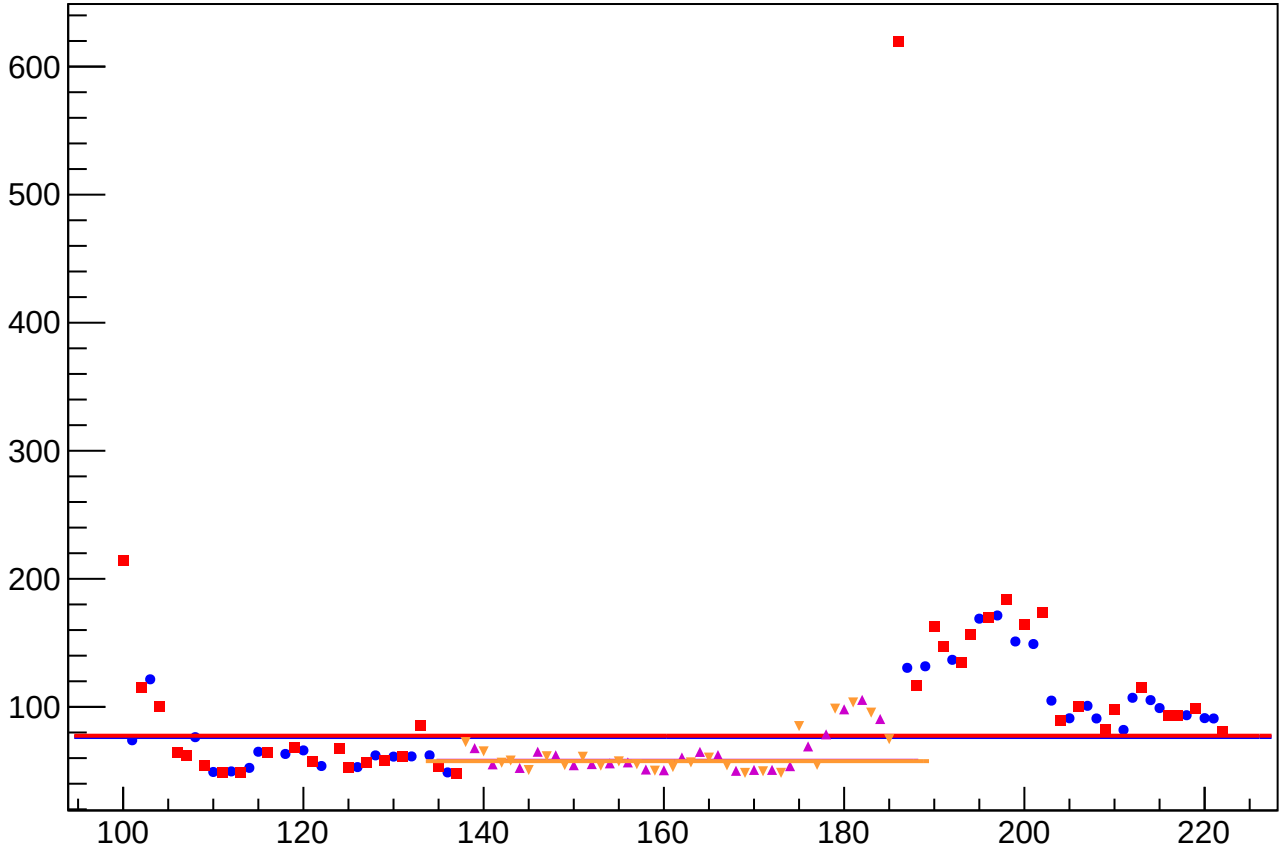
Right: -14.307+/-12.545 χ^2/NDF: 93.1/71

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 28.462+/-10.797 χ^2/NDF:78.9/62

All: 25.521+/-7.673 χ^2/NDF: 164.4/119

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: 77.494+/-0.013 χ^2/NDF: 6517831.2/37

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

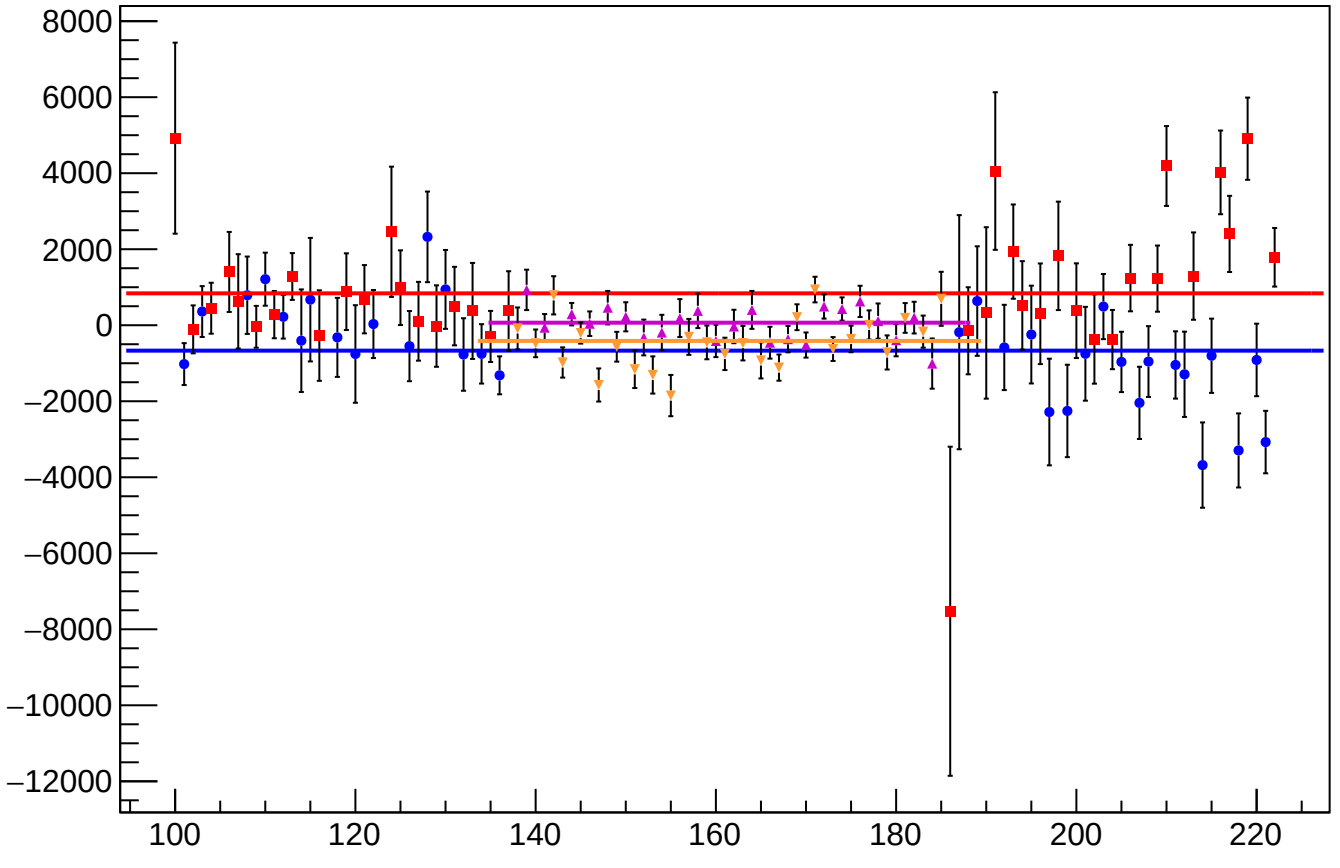
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 76.971+/-0.009 χ^2/NDF: 11663243.9/71

In: 65.116+/-0.008 χ^2/NDF:7636682.4/56

Out: 64.809+/-0.008 χ^2/NDF:9445403.5/62

All: 64.961+/-0.005 χ^2/NDF: 17082886.2/119



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: 838.980+/-155.940 χ^2/NDF: 64.9/37

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

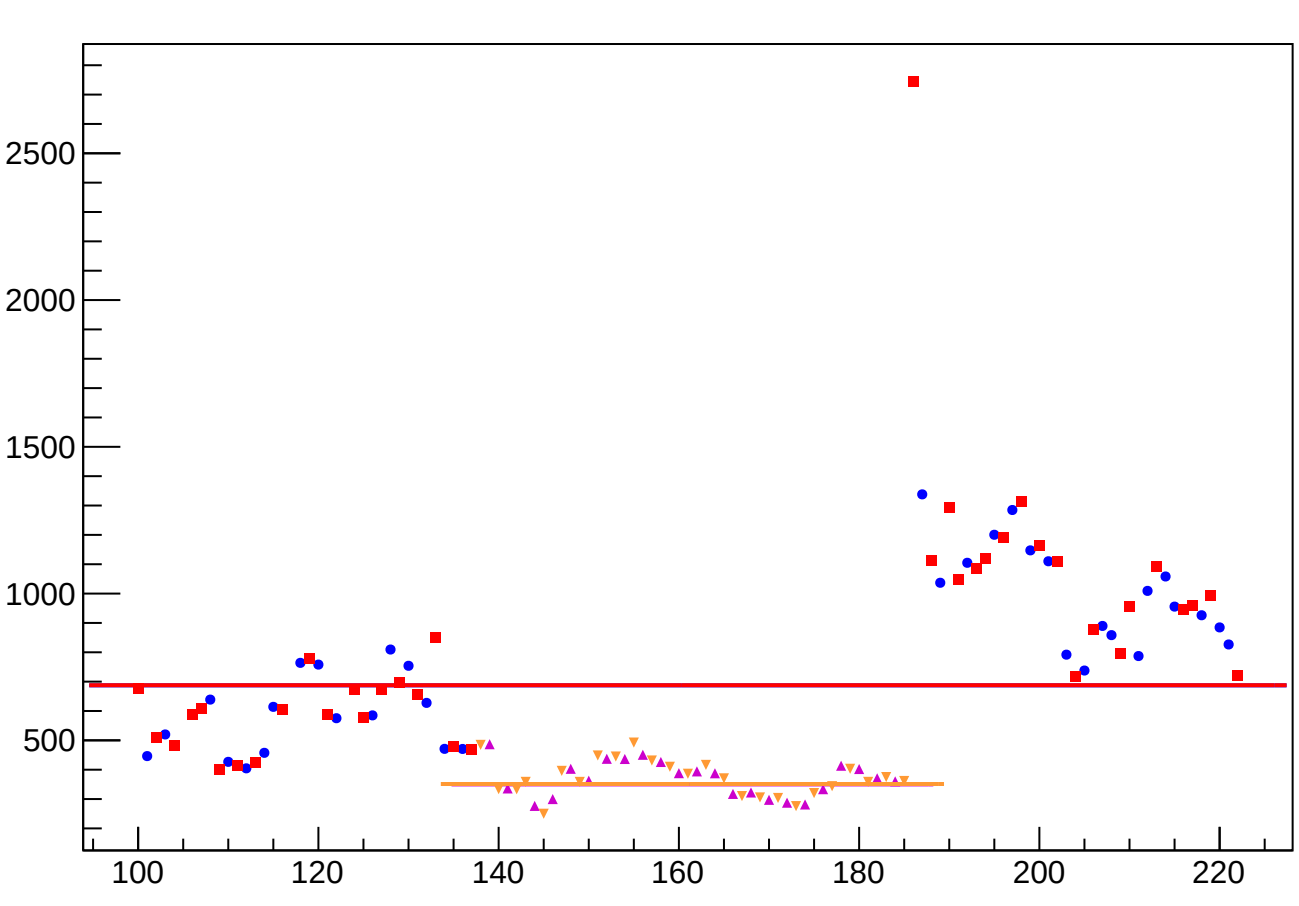
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 82.310+/-110.060 χ^2/NDF: 170.0/71

In: -96.896+/-73.264 χ^2/NDF:98.5/56

Out: -146.328+/-71.975 χ^2/NDF:177.0/62

All: -122.051+/-51.344 χ^2/NDF: 275.7/119



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: 687.795+/-0.110 χ^2/NDF: 5627372.0/37

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

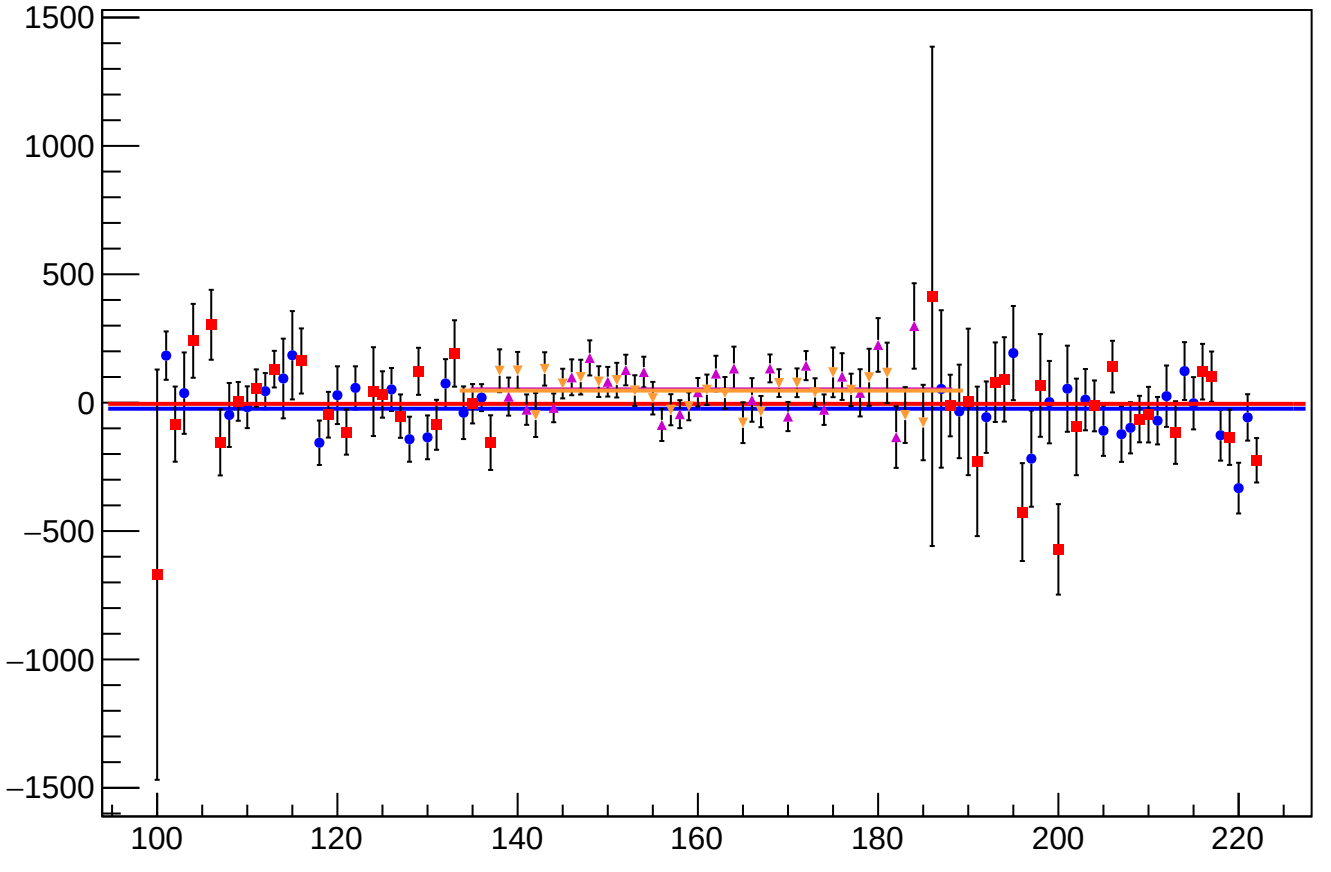
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 687.536+/-0.078 χ^2/NDF: 10310784.1/71

In: 424.861+/-0.052 χ^2/NDF:13011939.5/56

Out: 422.956+/-0.051 χ^2/NDF:14075858.9/62

All: 423.892+/-0.036 χ^2/NDF: 27088486.1/11



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: -4.566+/-17.961 χ^2/NDF: 56.6/37

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

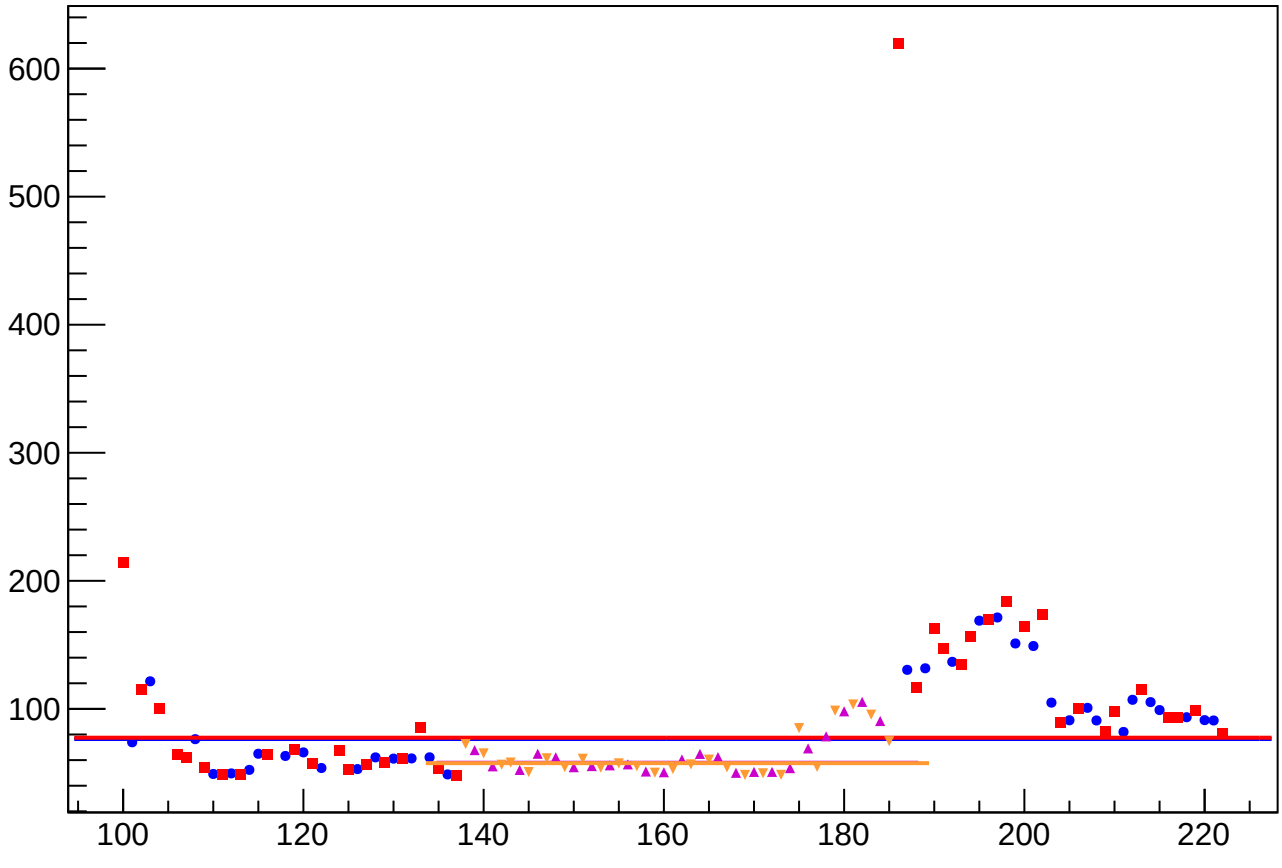
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -14.307+/-12.545 χ^2/NDF: 93.1/71

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 28.462+/-10.797 χ^2/NDF:78.9/62

All: 25.520+/-7.673 χ^2/NDF: 164.4/119



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: 77.495+/-0.013 χ^2/NDF: 6517806.7/37

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

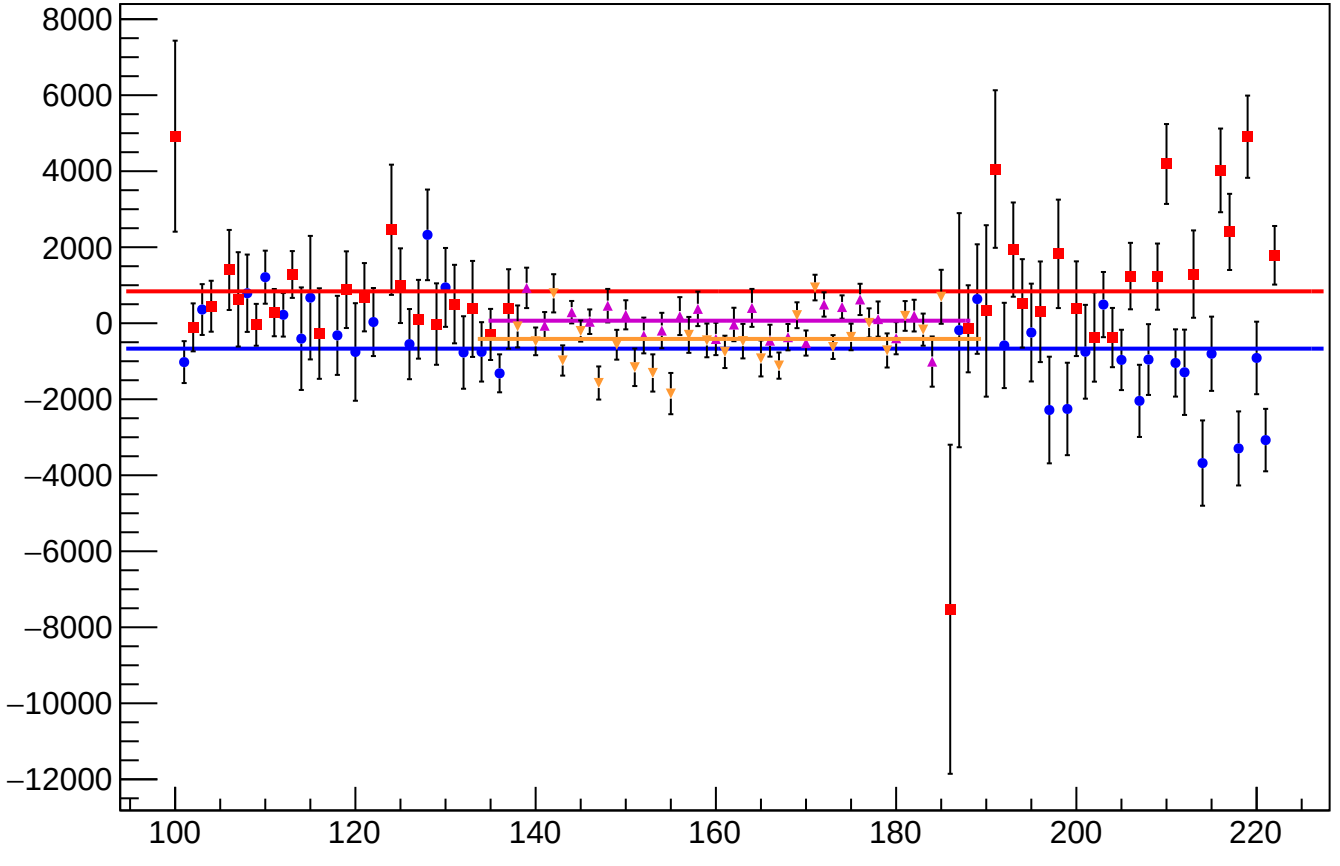
Right: 76.971+/-0.009 χ^2/NDF: 11663187.2/71

In: 65.116+/-0.008 χ^2/NDF:7636625.6/56

Out: 64.809+/-0.008 χ^2/NDF:9445369.7/62

All: 64.961+/-0.005 χ^2/NDF: 17082795.8/119

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -668.717+/-155.358 χ^2/NDF: 58.1/33

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 838.978+/-155.940 χ^2/NDF: 64.9/37

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

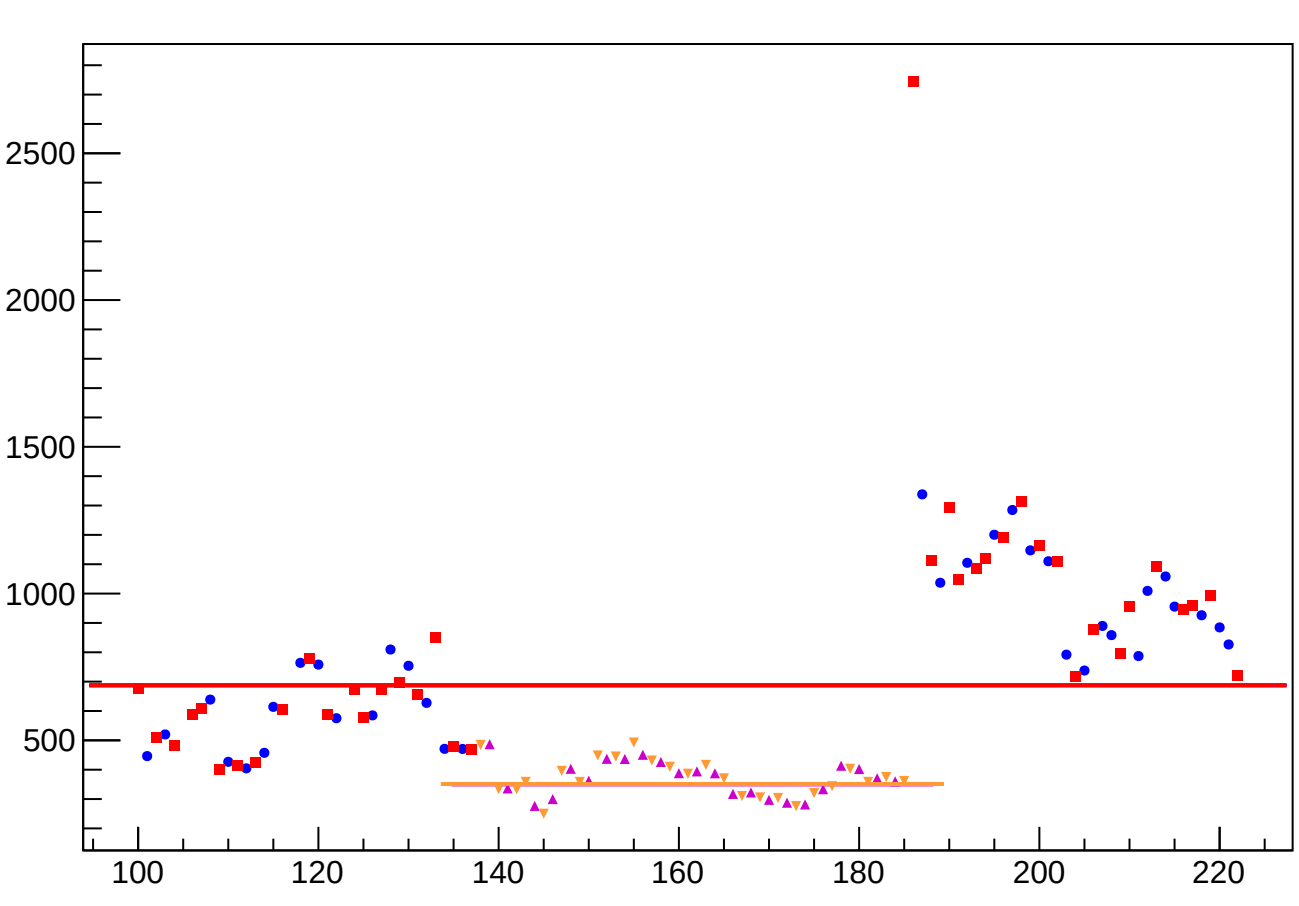
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 82.310+/-110.060 χ^2/NDF: 170.0/71

In: -96.896+/-73.263 χ^2/NDF:98.5/56

Out: -146.328+/-71.975 χ^2/NDF:177.0/62

All: -122.051+/-51.344 χ^2/NDF: 275.7/119



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: 687.794+/-0.110 χ^2/NDF: 5627381.7/37

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

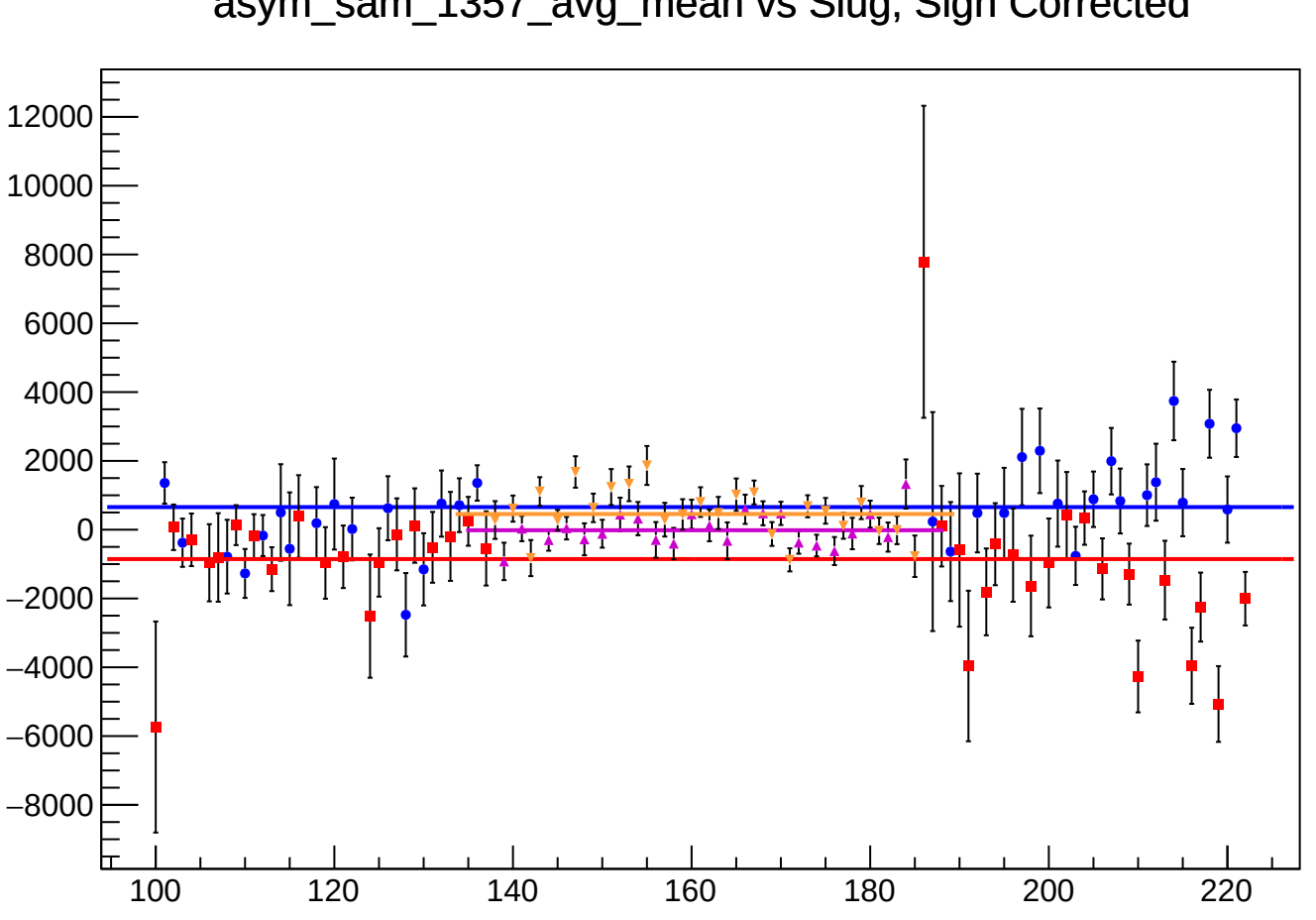
Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

Right: 687.535+/-0.078 χ^2/NDF: 10310809.0/71

In: 424.861+/-0.052 χ^2/NDF:13011926.1/56

Out: 422.956+/-0.051 χ^2/NDF:14075847.7/62

All: 423.891+/-0.036 χ^2/NDF: 27088461.5/1



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: -854.156+/-160.967 χ^2/NDF: 63.9/37

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

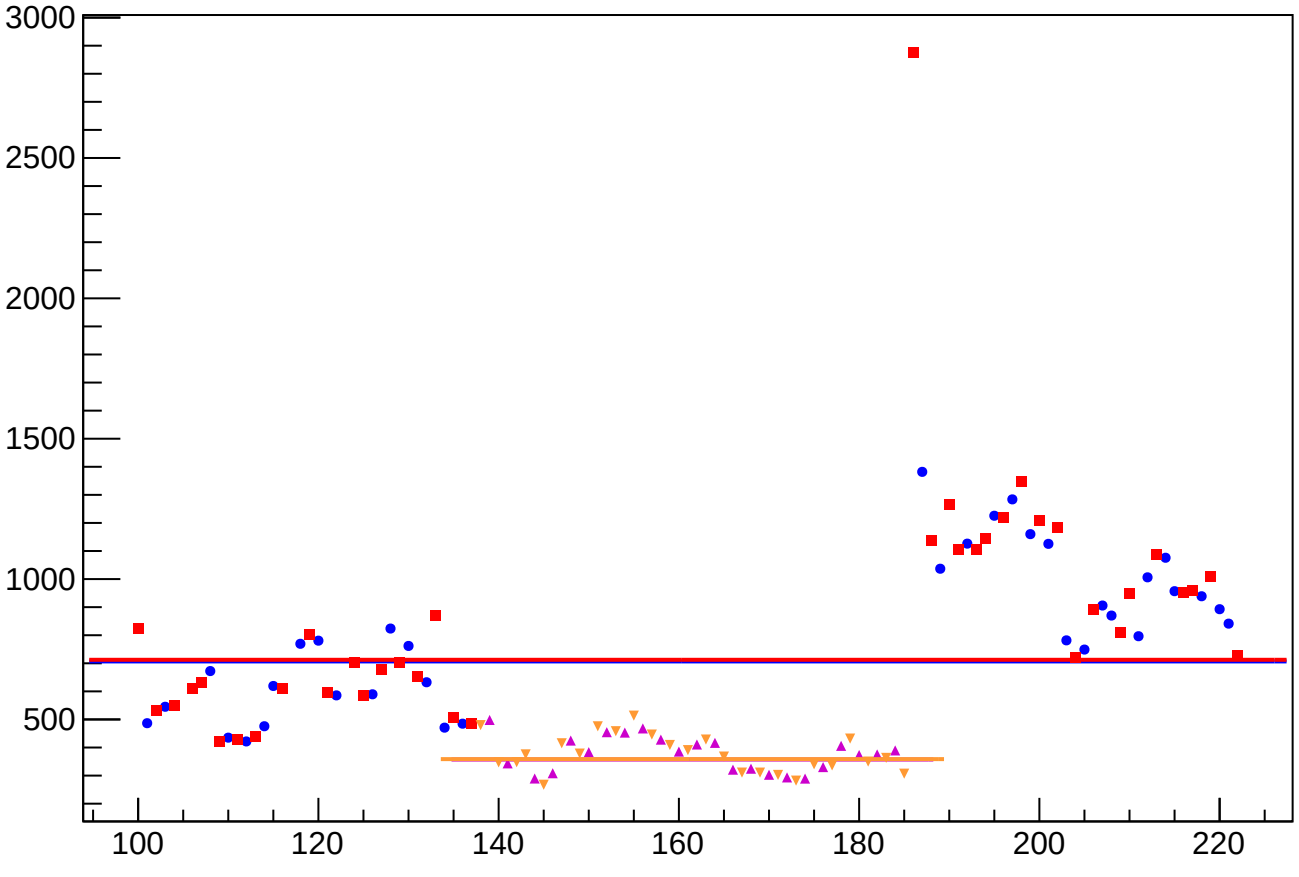
Right: -90.231+/-113.174 χ^2/NDF: 165.8/71

In: 132.747+/-74.860 χ^2/NDF:96.1/56

Out: 180.424+/-73.743 χ^2/NDF:177.1/62

All: 156.944+/-52.535 χ^2/NDF: 273.4/119

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: 712.505+/-0.114 χ^2/NDF: 5300964.7/37

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

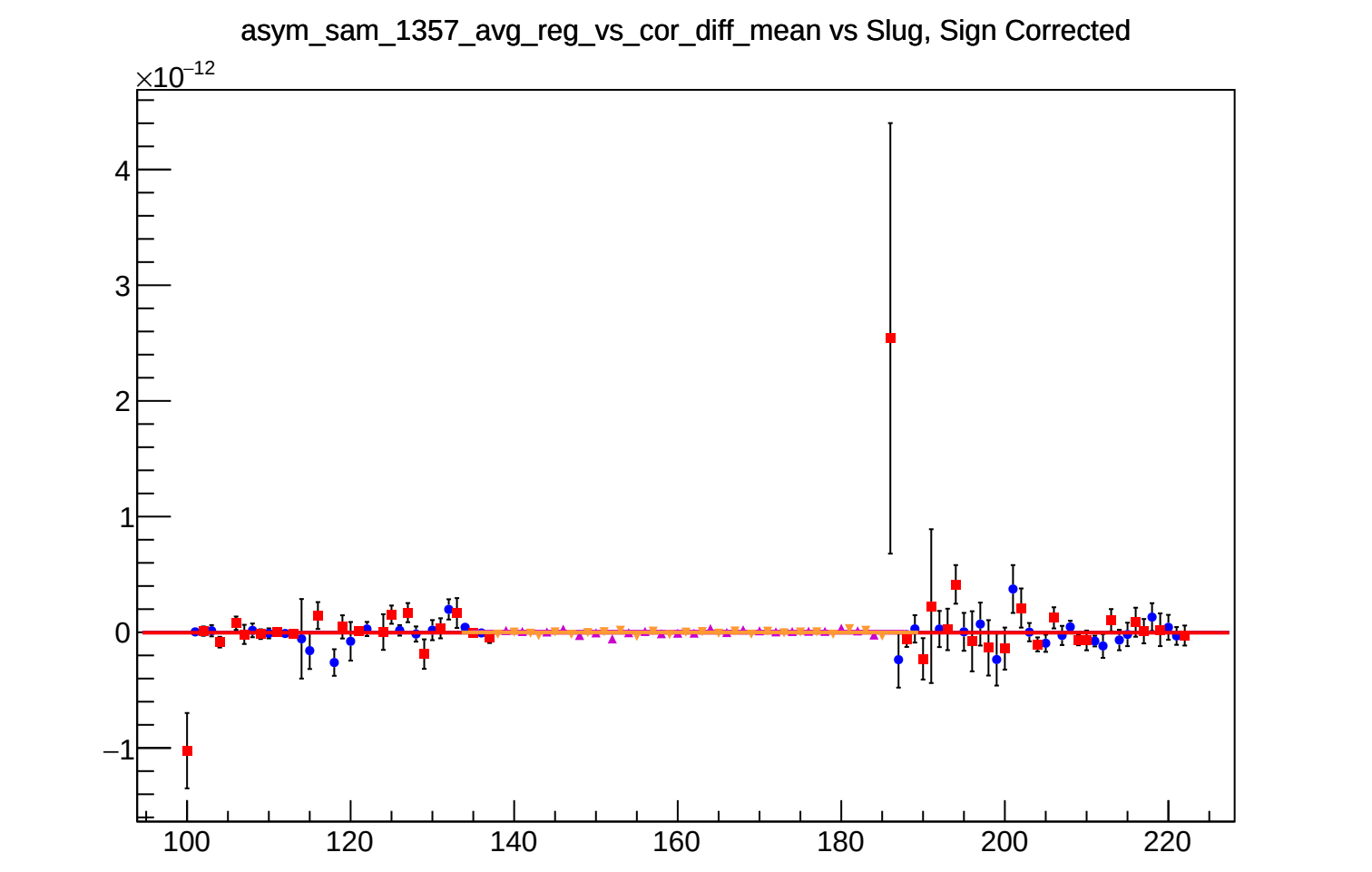
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 709.556+/-0.080 χ^2/NDF: 9669736.8/71

In: 434.506+/-0.053 χ^2/NDF:12859680.7/56

Out: 432.937+/-0.052 χ^2/NDF:14055995.7/62

All: 433.710+/-0.037 χ^2/NDF: 26916122.2/11



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: 52.9/37

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

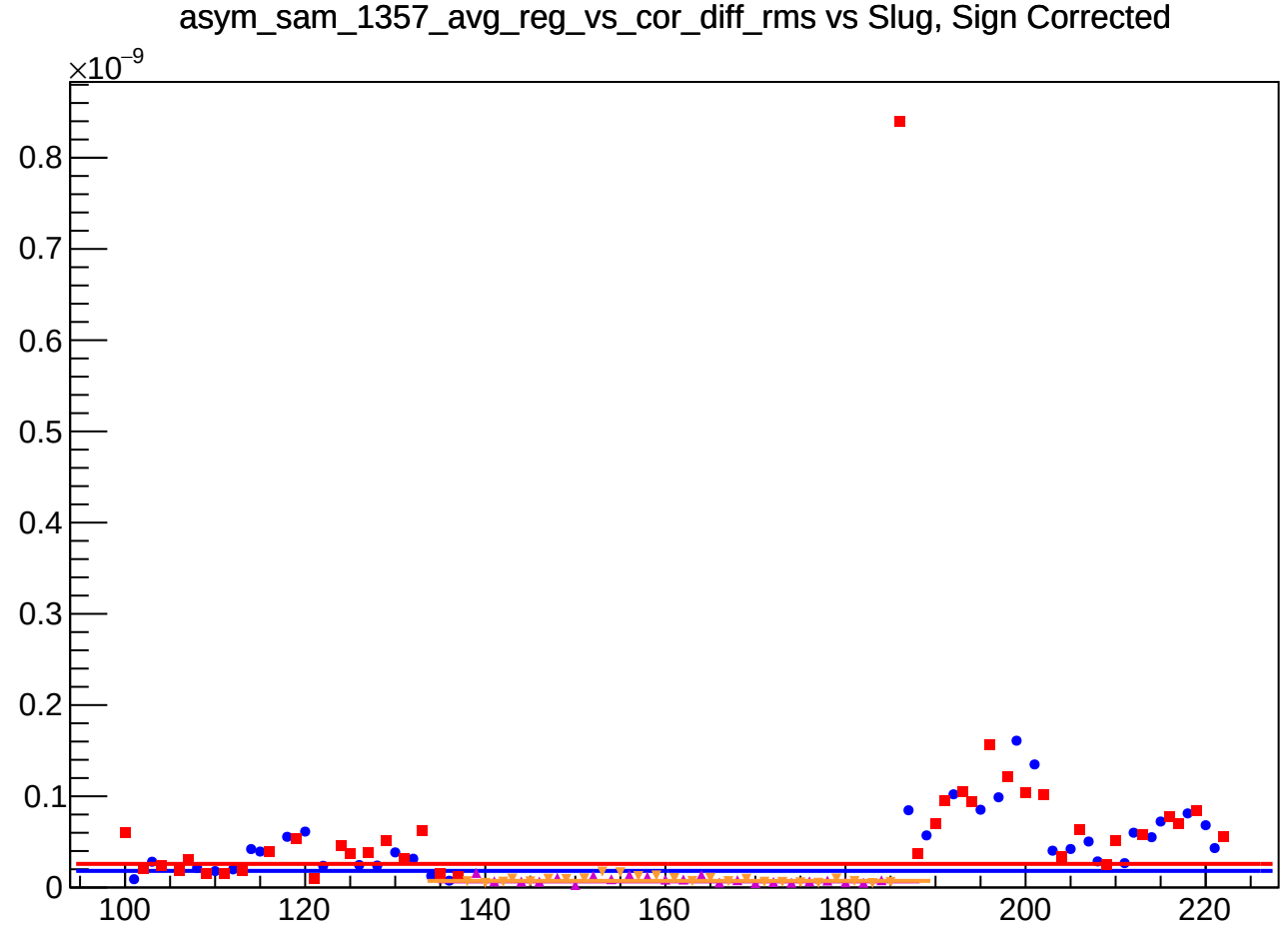
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 80.6/71

In: 0.000+/-0.000 χ^2/NDF:57.1/56

Out: -0.000+/-0.000 χ^2/NDF:71.1/62

All: 0.000+/-0.000 χ^2/NDF: 130.4/119



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: 6922628.5/37

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

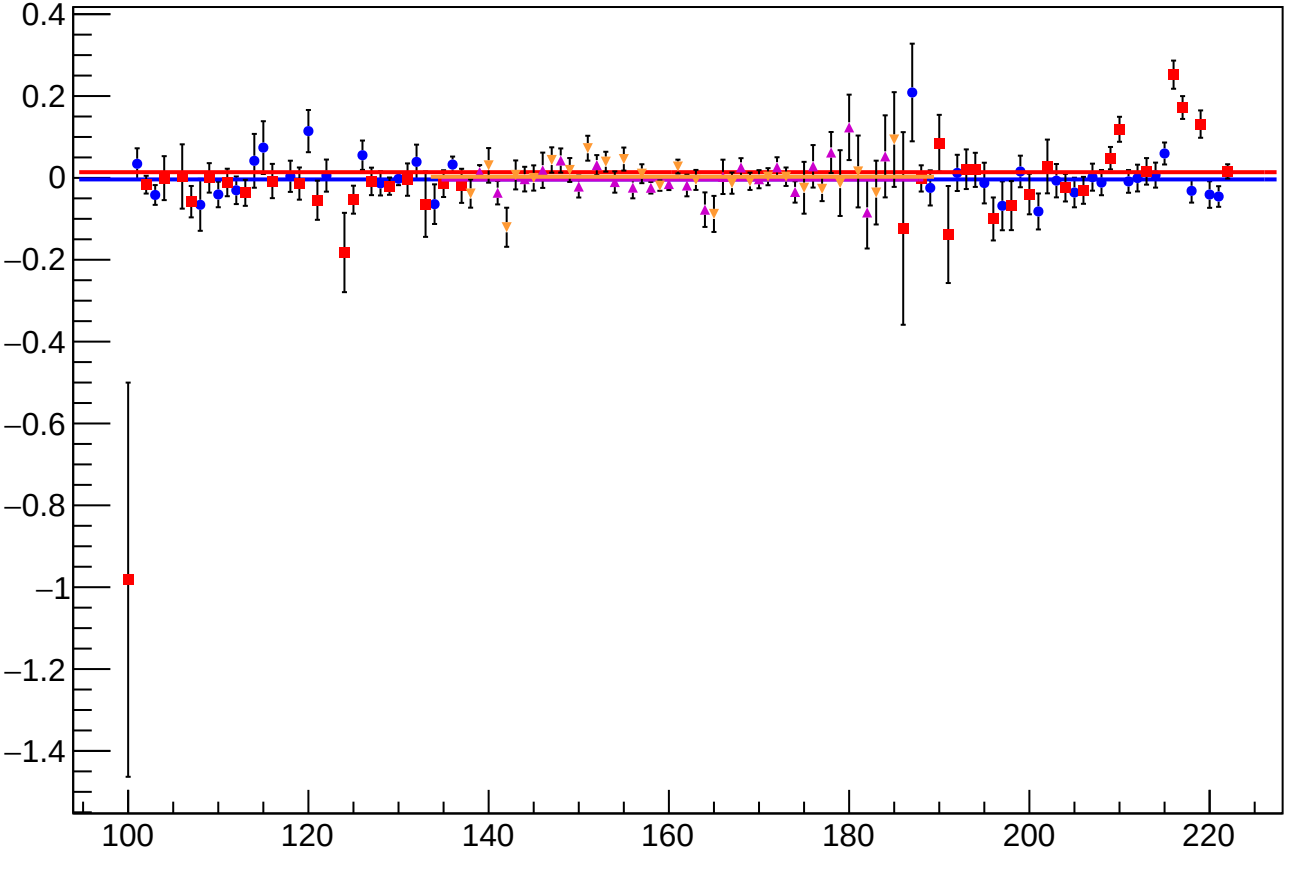
Right: 0.000+/-0.000 χ^2/NDF: 16353728.0/71

In: 0.000+/-0.000 χ^2/NDF:13974191.1/56

Out: 0.000+/-0.000 χ^2/NDF:14001959.6/62

All: 0.000+/-0.000 χ^2/NDF: 28031775.4/119

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: 149.4/37

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

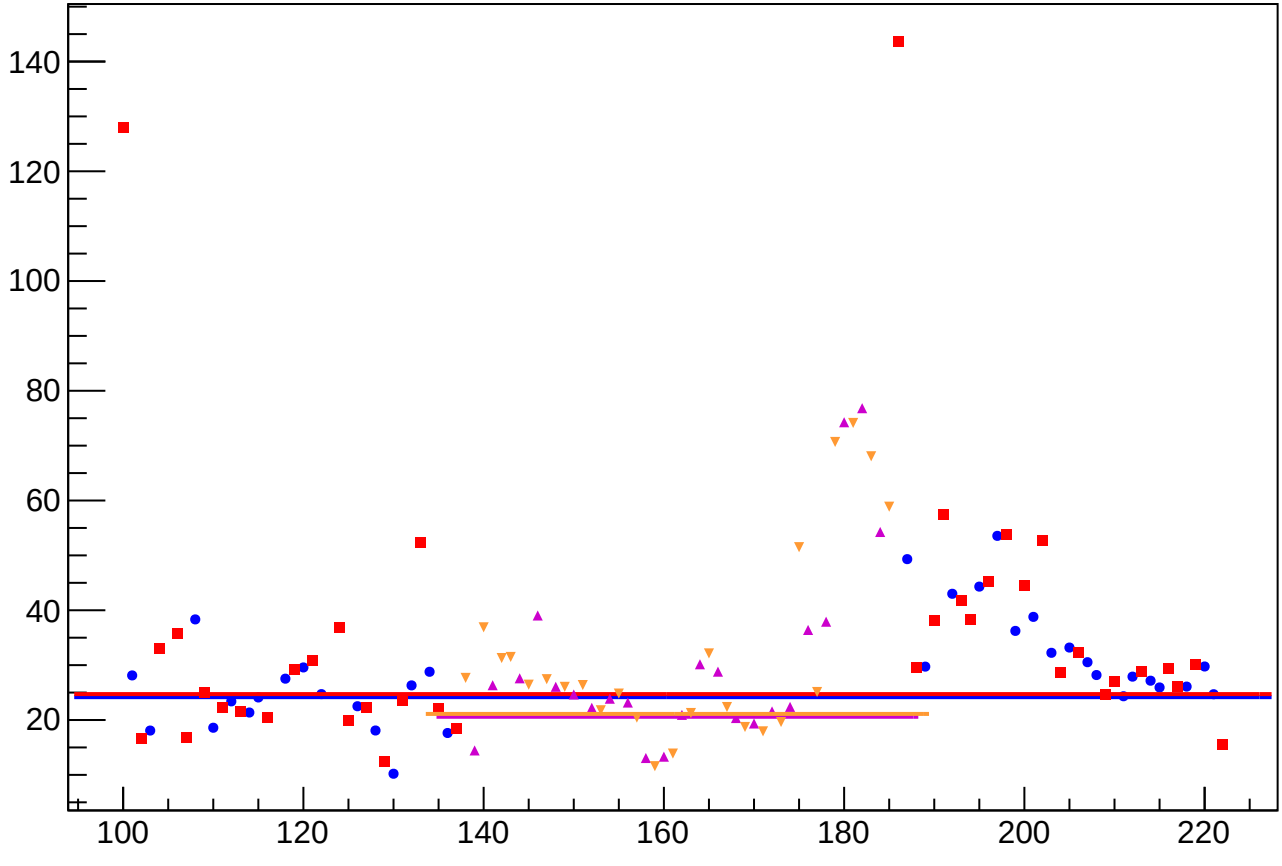
Right: 0.005+/-0.004 χ^2/NDF: 196.5/71

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.2/62

All: 0.002+/-0.003 χ^2/NDF: 255.6/119

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.724+/-0.004 χ^2/NDF: 5249107.4/37

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

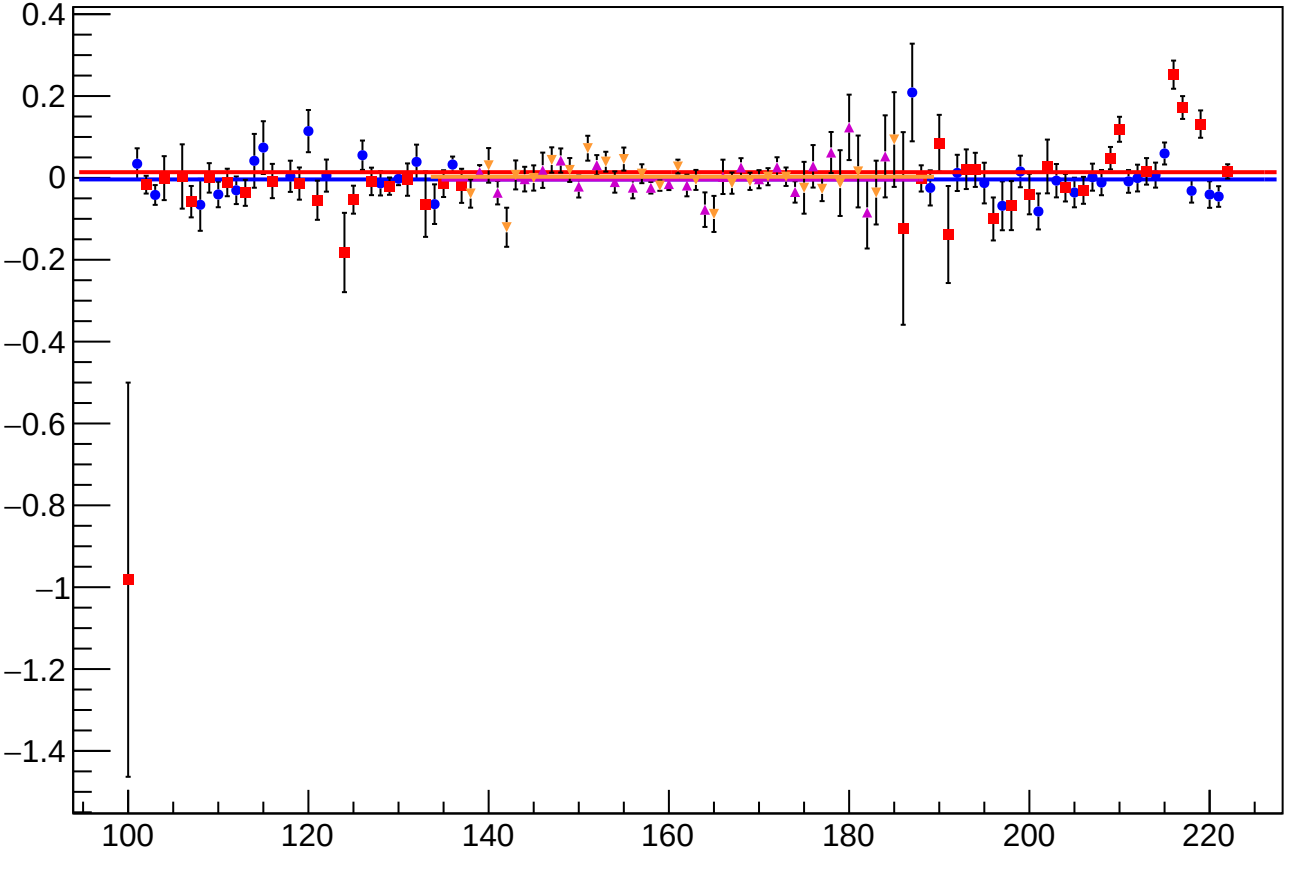
Right: 24.434+/-0.003 χ^2/NDF: 9706948.5/71

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 22.783+/-0.003 χ^2/NDF:11202936.0/62

All: 22.539+/-0.002 χ^2/NDF: 20679841.9/119

asym_sam_1357_avg_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: 149.4/37

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

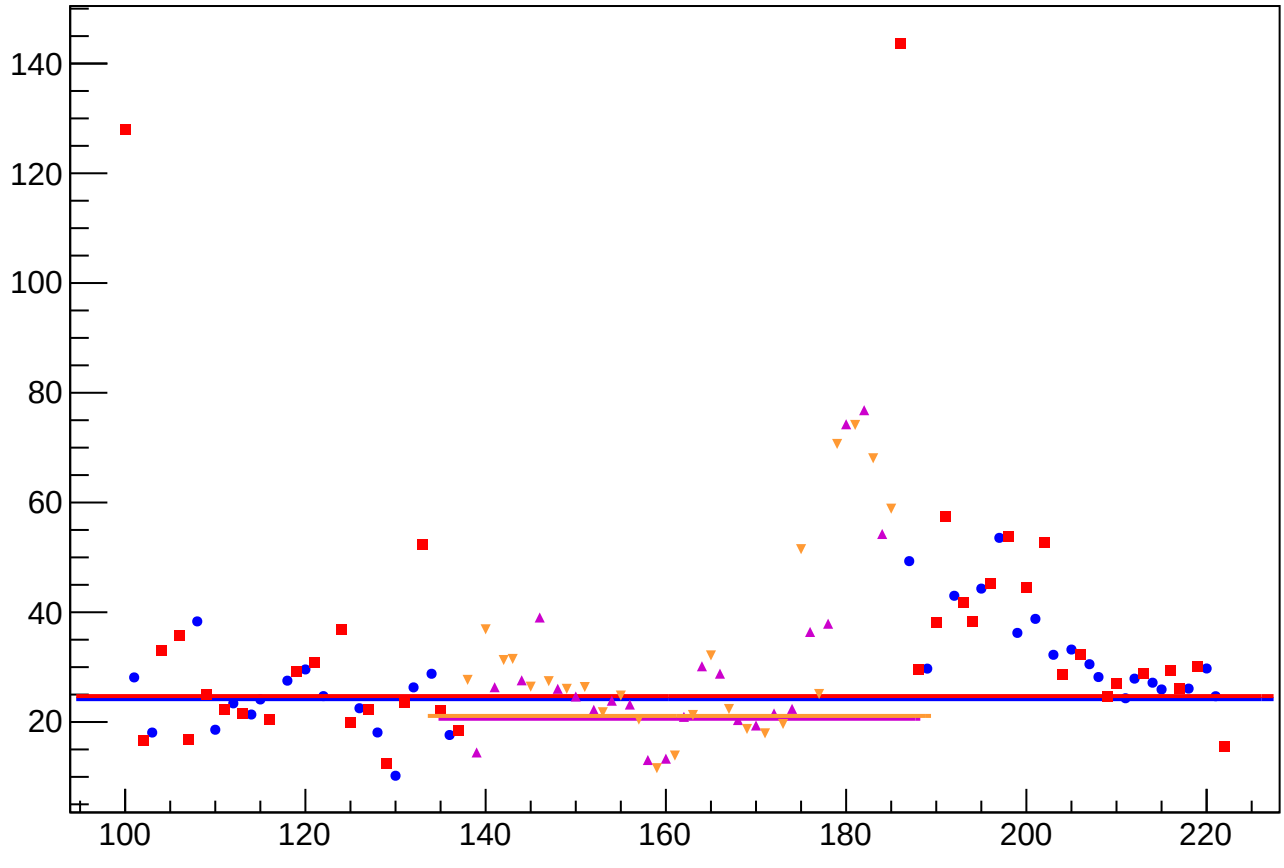
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.005+/-0.004 χ^2/NDF: 196.5/71

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.2/62

All: 0.002+/-0.003 χ^2/NDF: 255.6/119



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.724+/-0.004 χ^2/NDF: 5249107.4/37

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

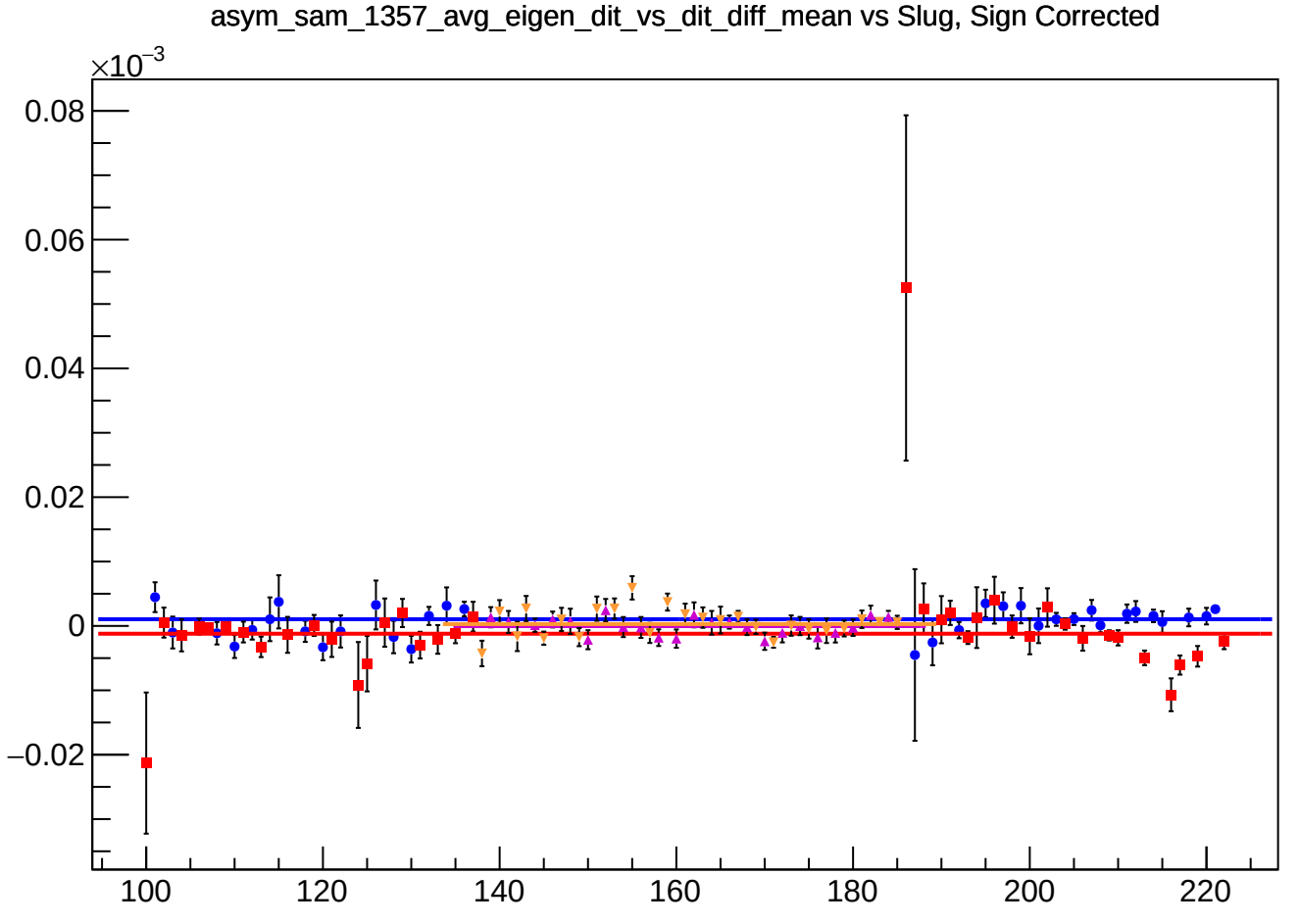
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

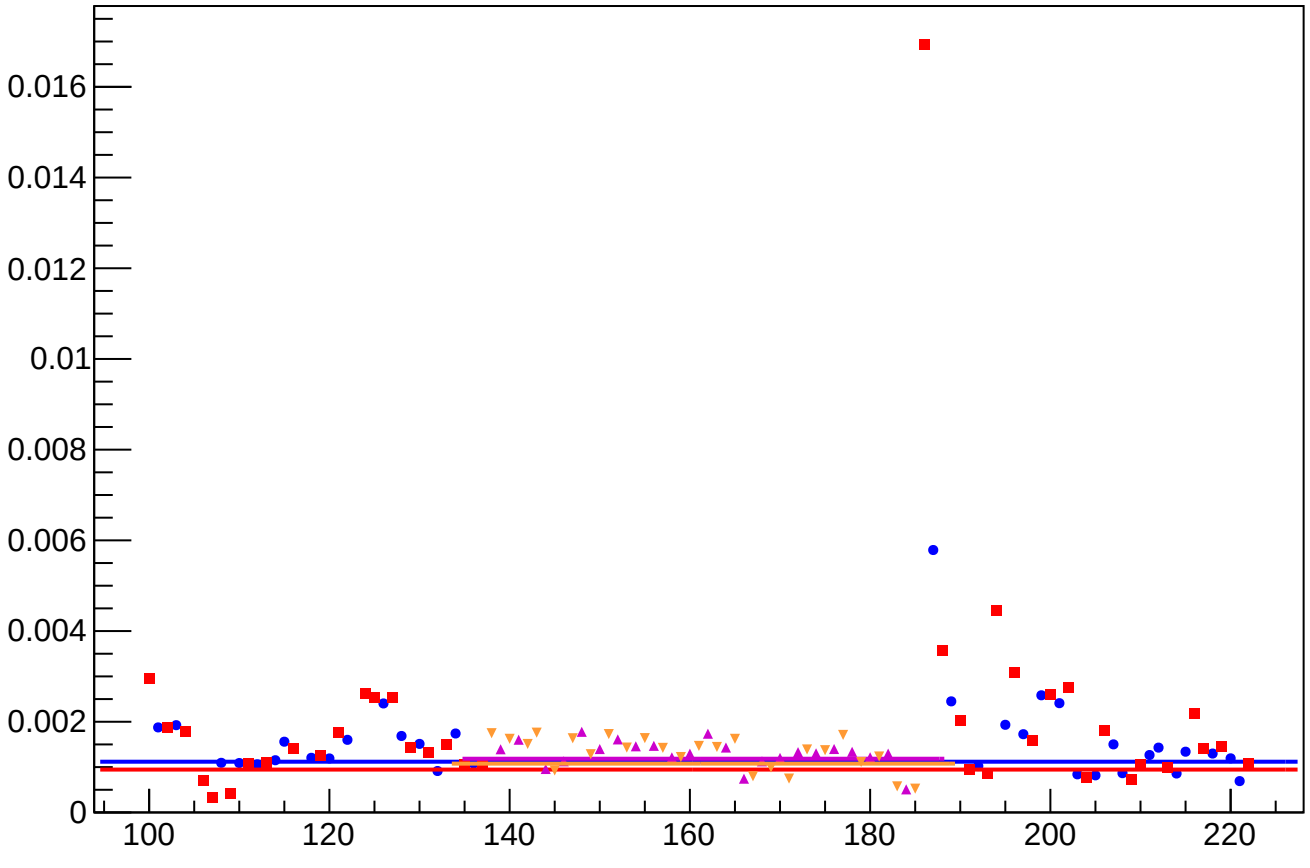
Right: 24.434+/-0.003 χ^2/NDF: 9706948.5/71

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 22.783+/-0.003 χ^2/NDF:11202936.0/62

All: 22.539+/-0.002 χ^2/NDF: 20679841.9/119


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: 77.5/37
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: 158.0/71
In: 0.000+/-0.000 χ²/NDF:68.1/56
Out: -0.000+/-0.000 χ²/NDF:147.7/62
All: -0.000+/-0.000 χ²/NDF: 232.6/119



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: 12137051.1/37

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

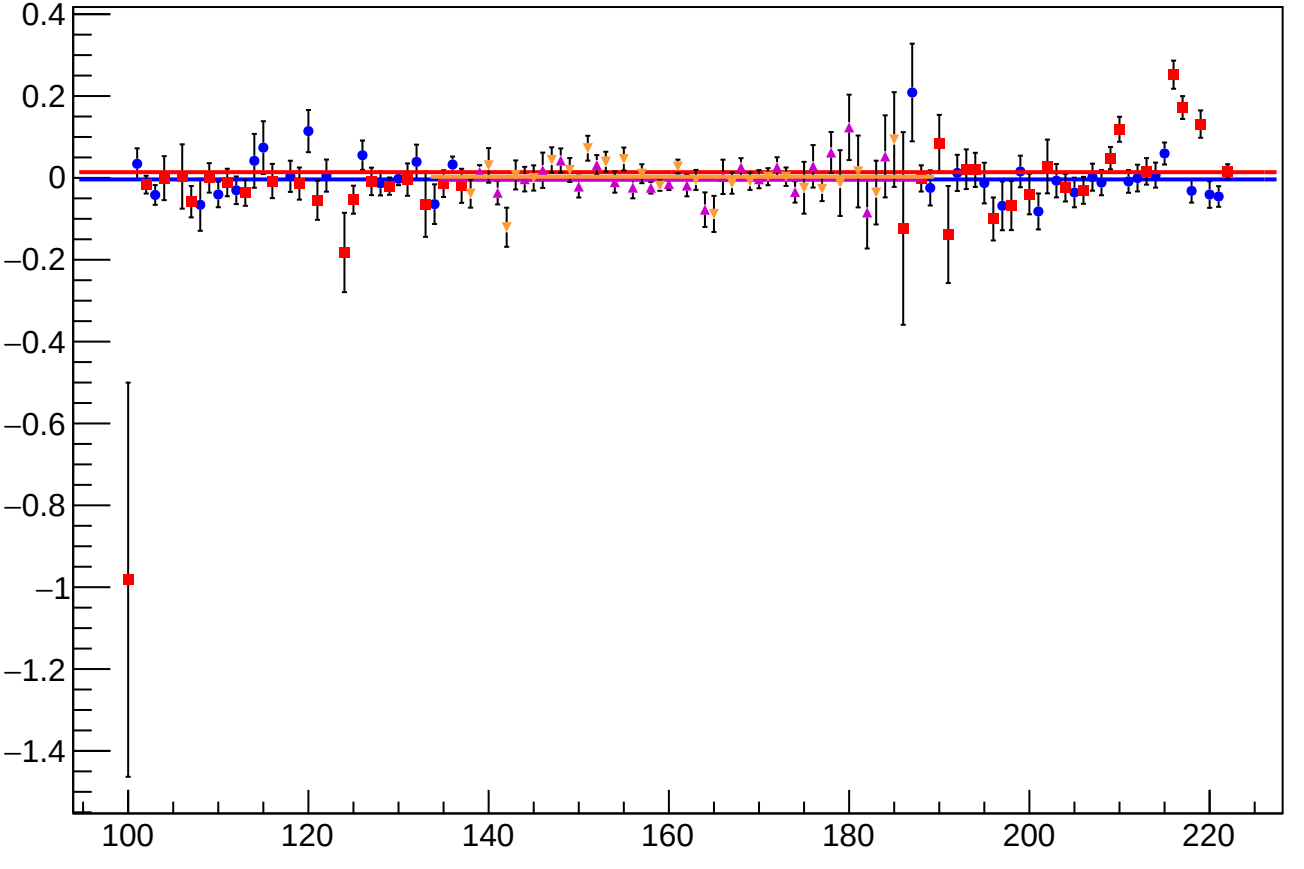
Right: 0.001+/-0.000 χ^2/NDF: 17286271.1/71

In: 0.001+/-0.000 χ^2/NDF:7192049.3/56

Out: 0.001+/-0.000 χ^2/NDF:16952436.3/62

All: 0.001+/-0.000 χ^2/NDF: 24735970.5/119

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: 149.4/37

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

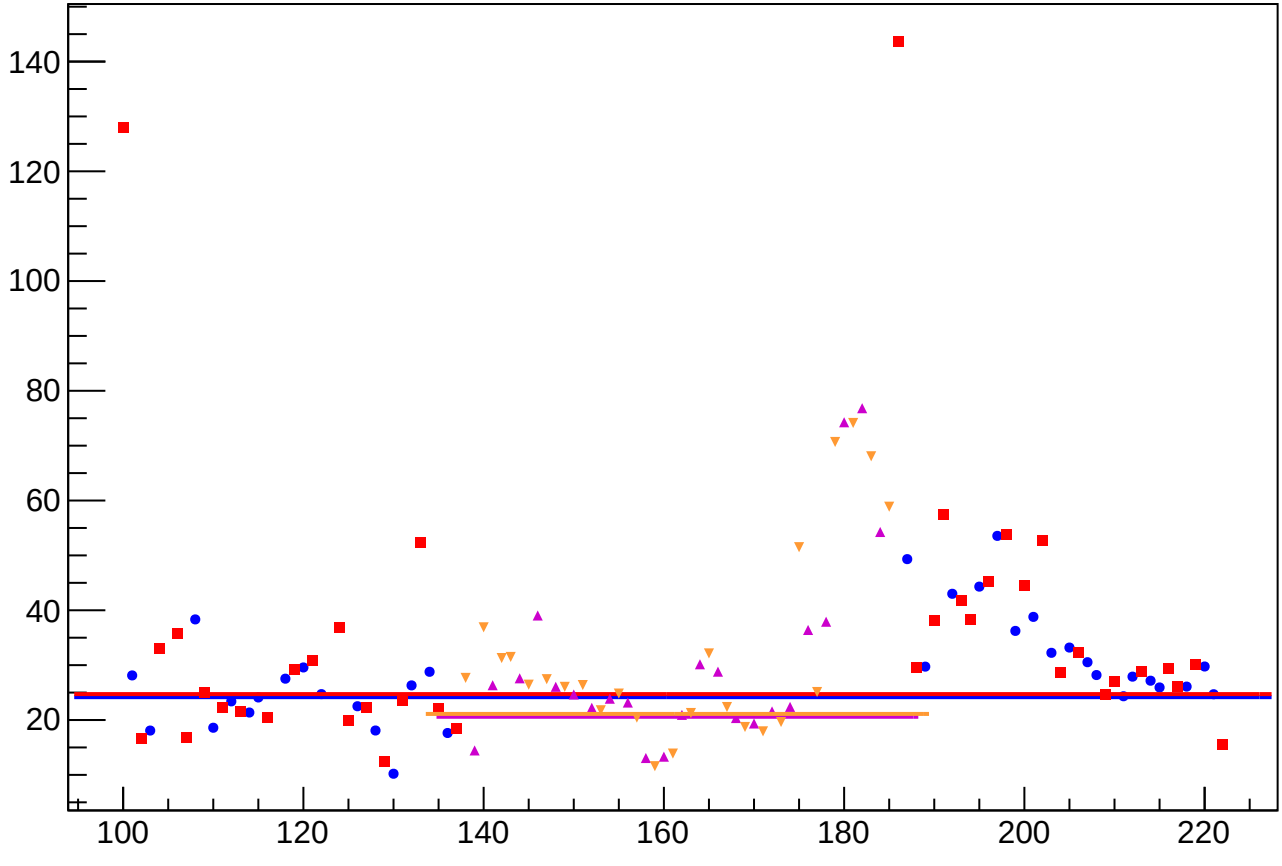
Right: 0.005+/-0.004 χ^2/NDF: 196.5/71

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.2/62

All: 0.002+/-0.003 χ^2/NDF: 255.6/119

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.724+/-0.004 χ^2/NDF: 5249089.2/37

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

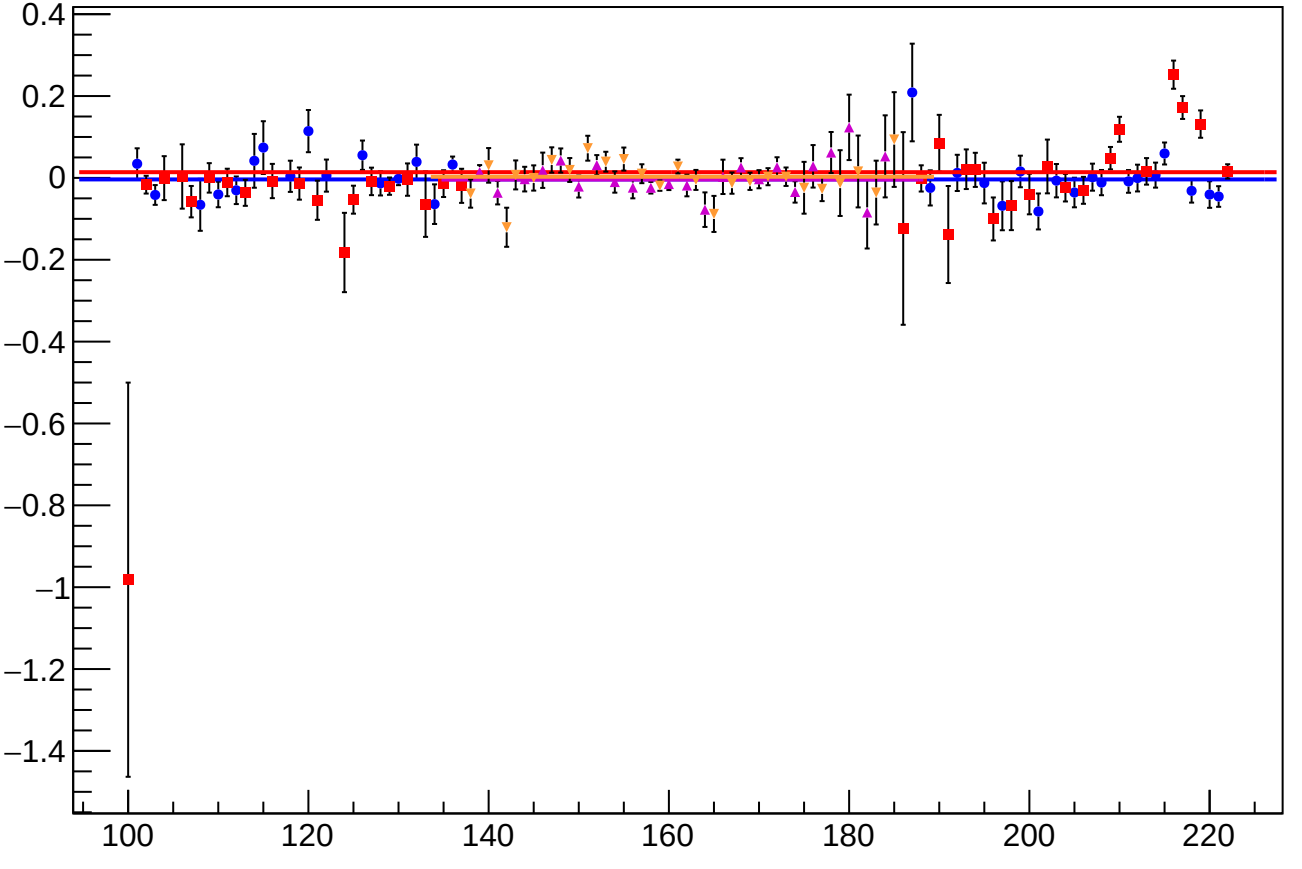
Right: 24.434+/-0.003 χ^2/NDF: 9706600.6/71

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 22.784+/-0.003 χ^2/NDF:11203047.5/62

All: 22.540+/-0.002 χ^2/NDF: 20679626.7/119

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: 149.4/37

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

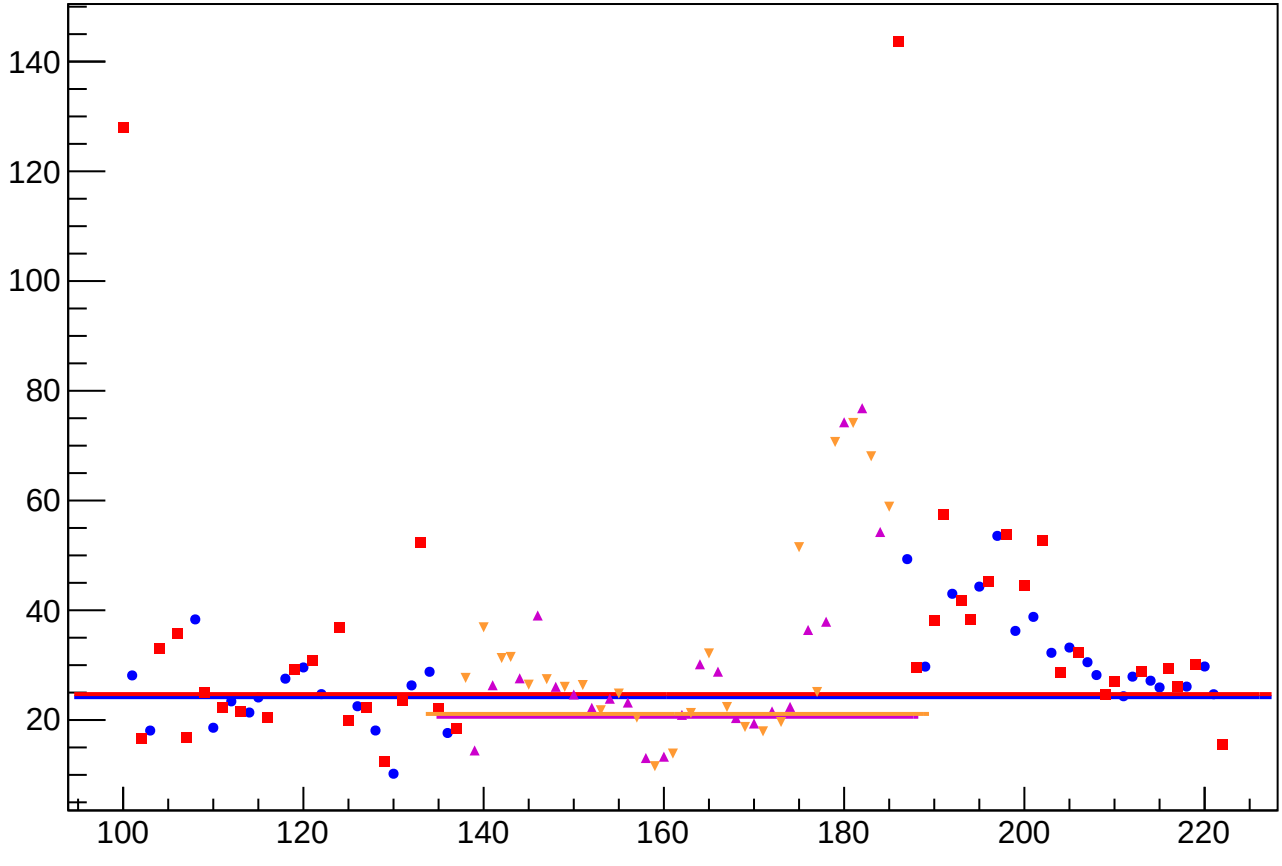
Right: 0.005+/-0.004 χ^2/NDF: 196.5/71

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.2/62

All: 0.002+/-0.003 χ^2/NDF: 255.6/119

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.724+/-0.004 χ^2/NDF: 5249089.2/37

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

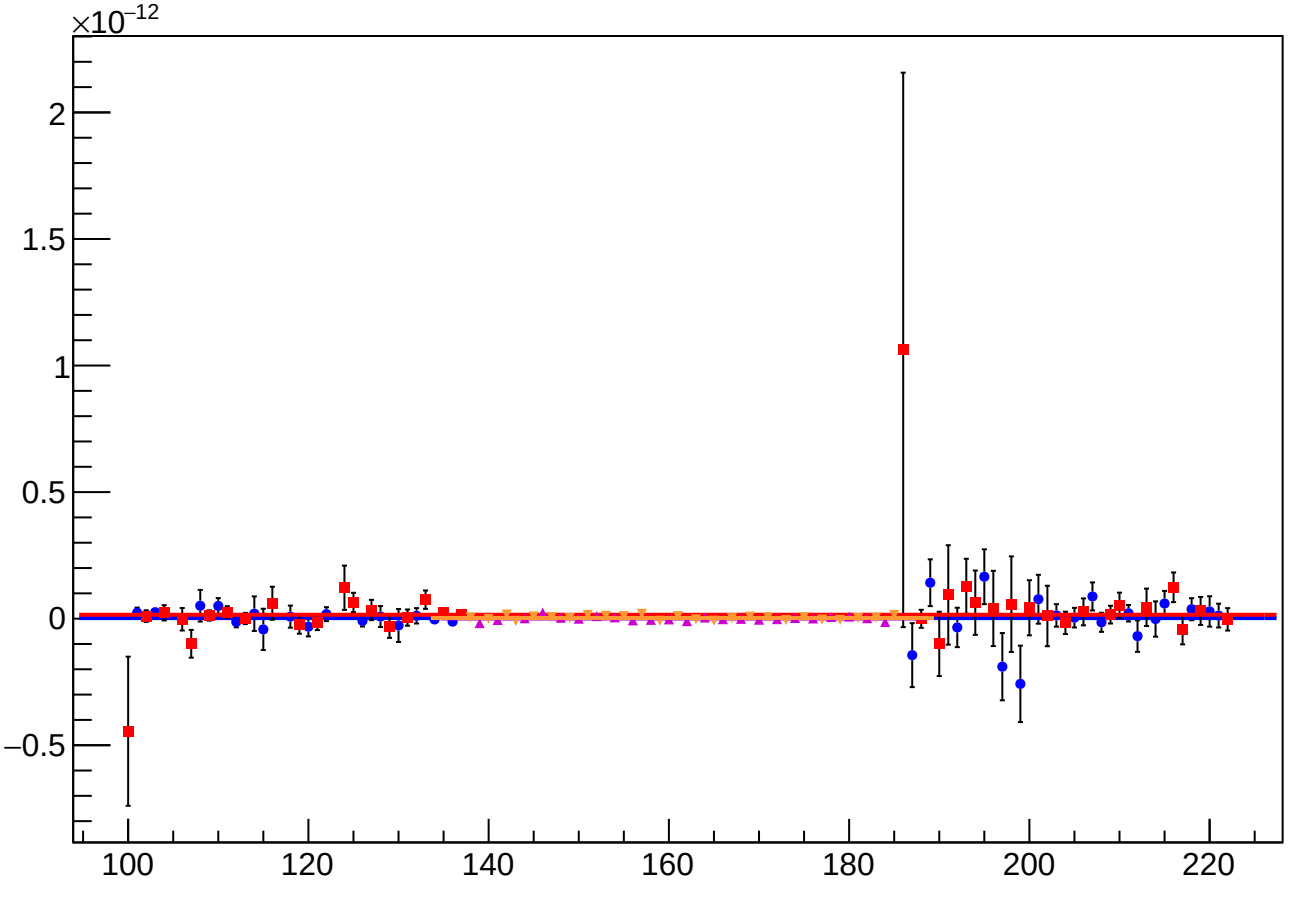
Right: 24.434+/-0.003 χ^2/NDF: 9706600.6/71

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 22.784+/-0.003 χ^2/NDF:11203047.5/62

All: 22.540+/-0.002 χ^2/NDF: 20679626.7/119

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/37

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

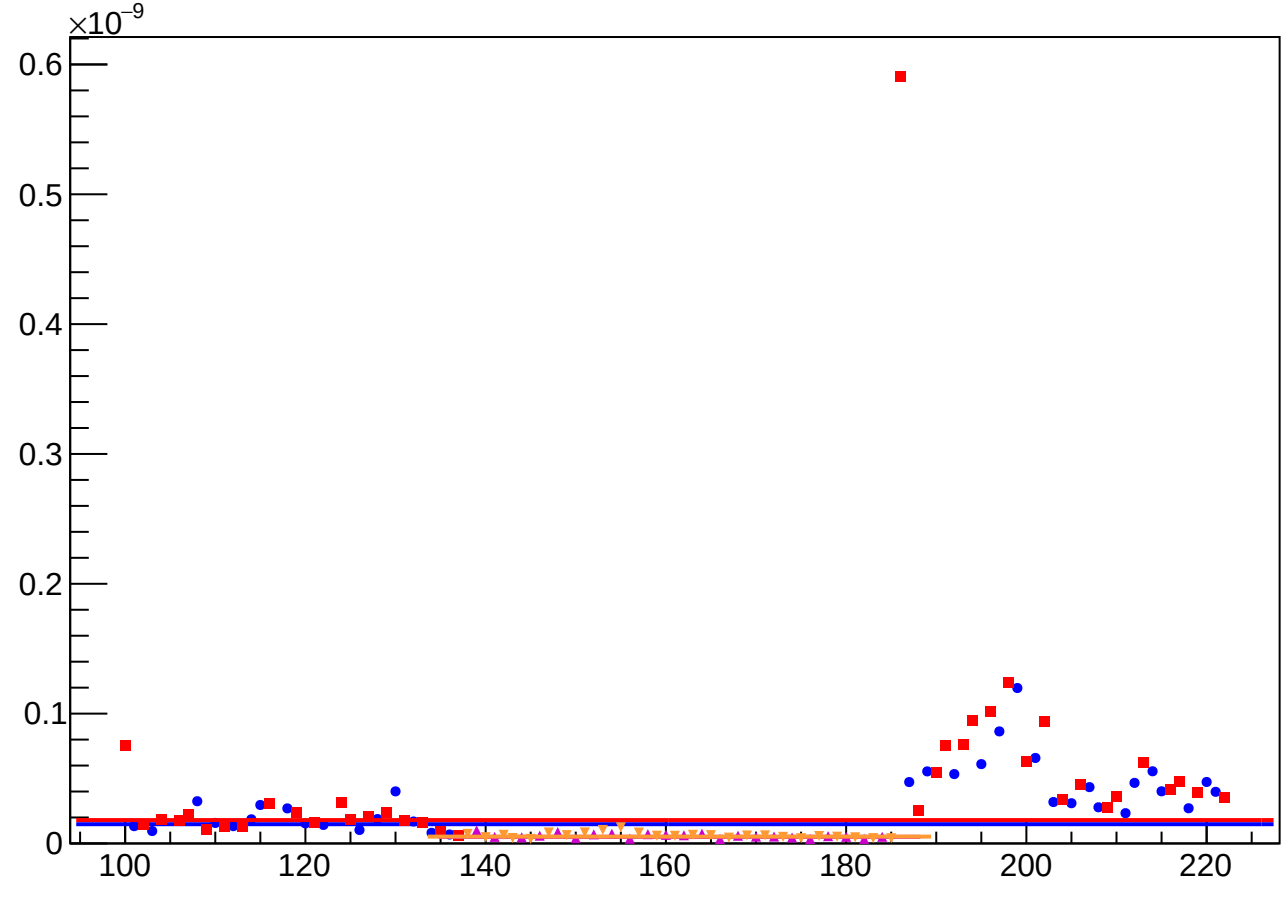
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 58.8/71

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:51.9/62

All: 0.000+/-0.000 χ^2/NDF: 103.9/119



Right In: 0.000+/-0.000 χ^2/NDF: 10970745.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10369395.1/37

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

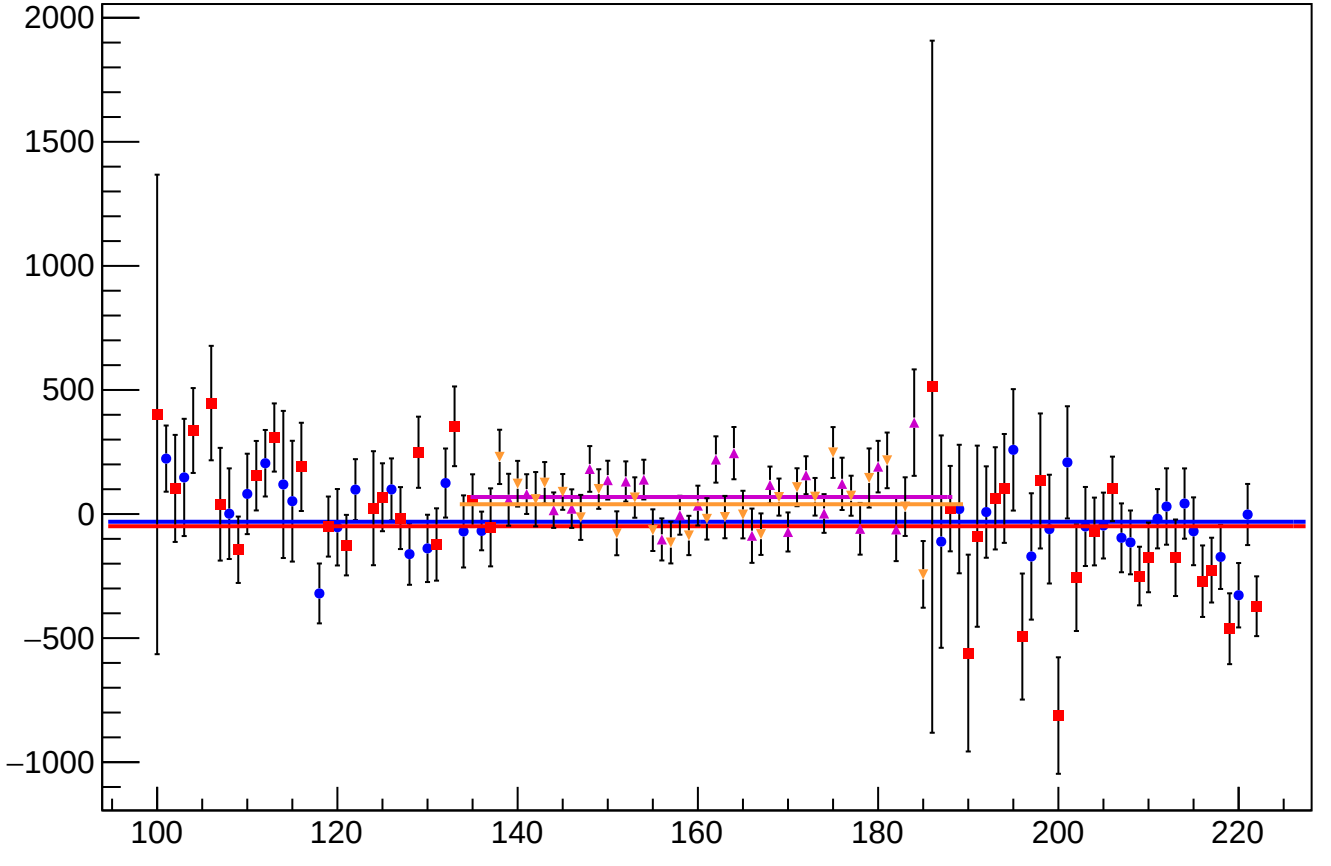
Right: 0.000+/-0.000 χ^2/NDF: 21666432.7/71

In: 0.000+/-0.000 χ^2/NDF:19256980.5/56

Out: 0.000+/-0.000 χ^2/NDF:21041410.1/62

All: 0.000+/-0.000 χ^2/NDF: 40312935.1/119

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: -49.175+/-25.948 χ^2/NDF: 78.1/37

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

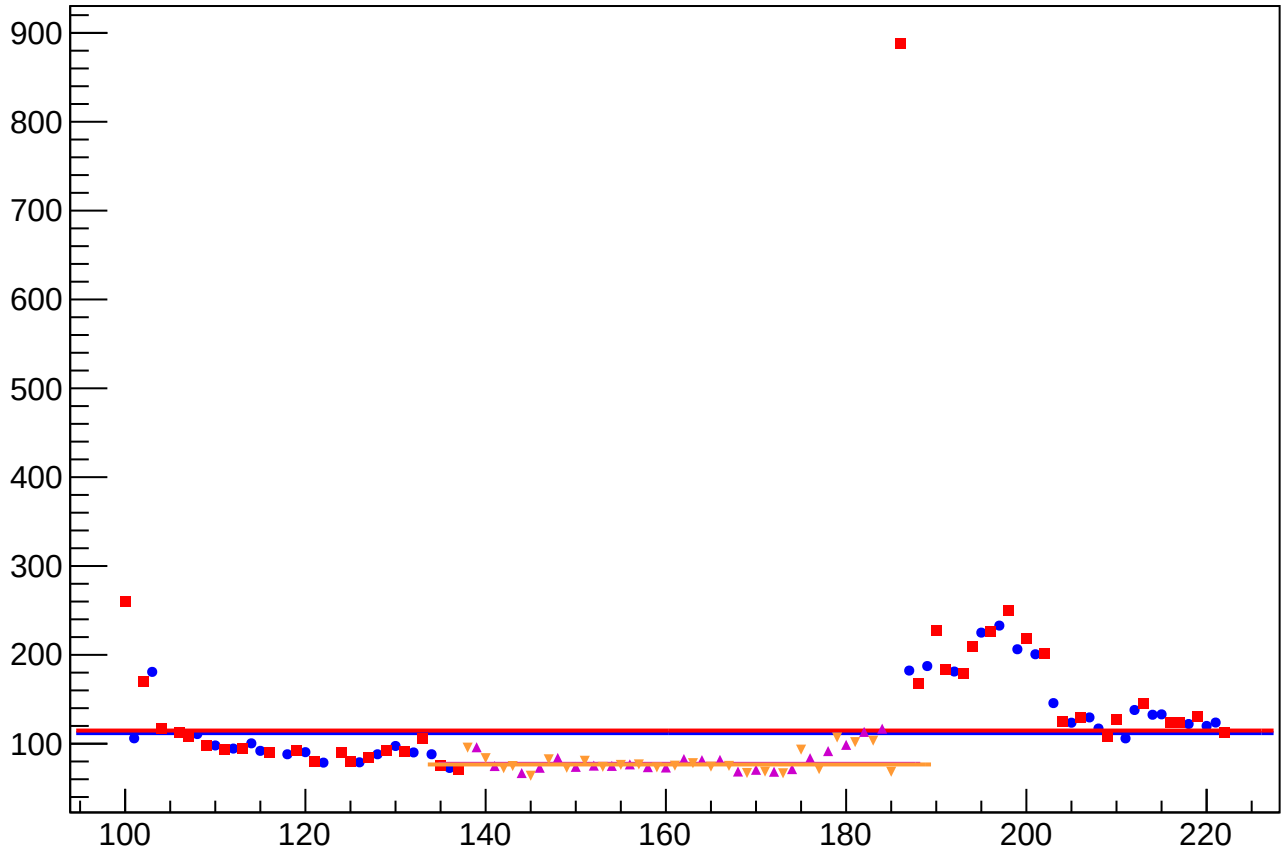
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -39.858+/-18.055 χ^2/NDF: 108.4/71

In: 34.032+/-14.804 χ^2/NDF:69.3/56

Out: 11.399+/-14.603 χ^2/NDF:118.1/62

All: 22.561+/-10.396 χ^2/NDF: 188.6/119



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: 114.814+/-0.018 χ^2/NDF: 4768763.1/37

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

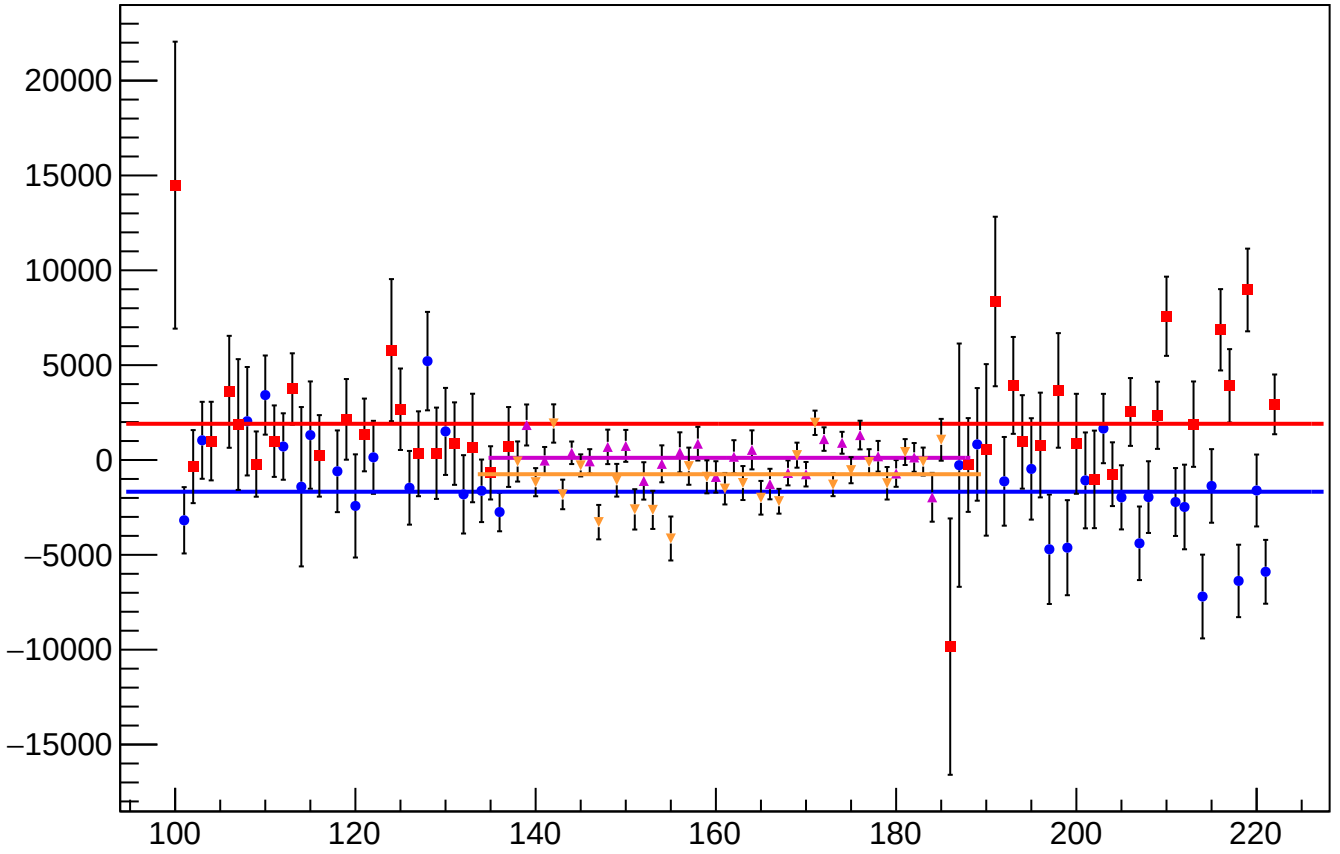
Right: 113.314+/-0.013 χ^2/NDF: 8525354.9/71

In: 89.333+/-0.010 χ^2/NDF:6802765.0/56

Out: 88.735+/-0.010 χ^2/NDF:8380201.6/62

All: 89.030+/-0.007 χ^2/NDF: 15184619.3/119

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1908.656+/-360.179 χ^2/NDF: 50.5/37

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

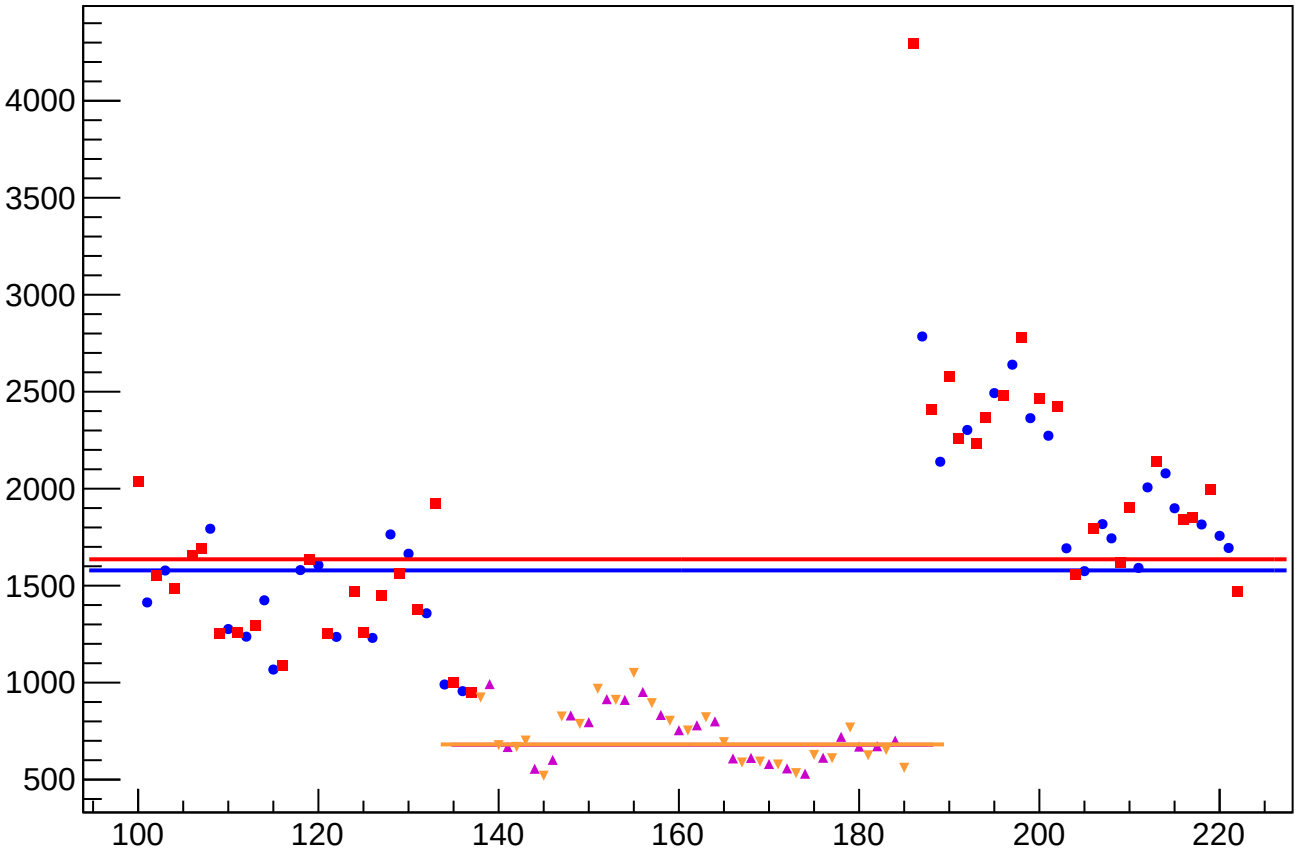
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 61.583+/-250.667 χ^2/NDF: 153.7/71

In: -202.285+/-146.804 χ^2/NDF:98.9/56

Out: -320.282+/-144.753 χ^2/NDF:166.1/62

All: -262.113+/-103.073 χ^2/NDF: 265.3/119



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: 1635.923+/-0.255 χ^2/NDF: 3276757.2/37

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

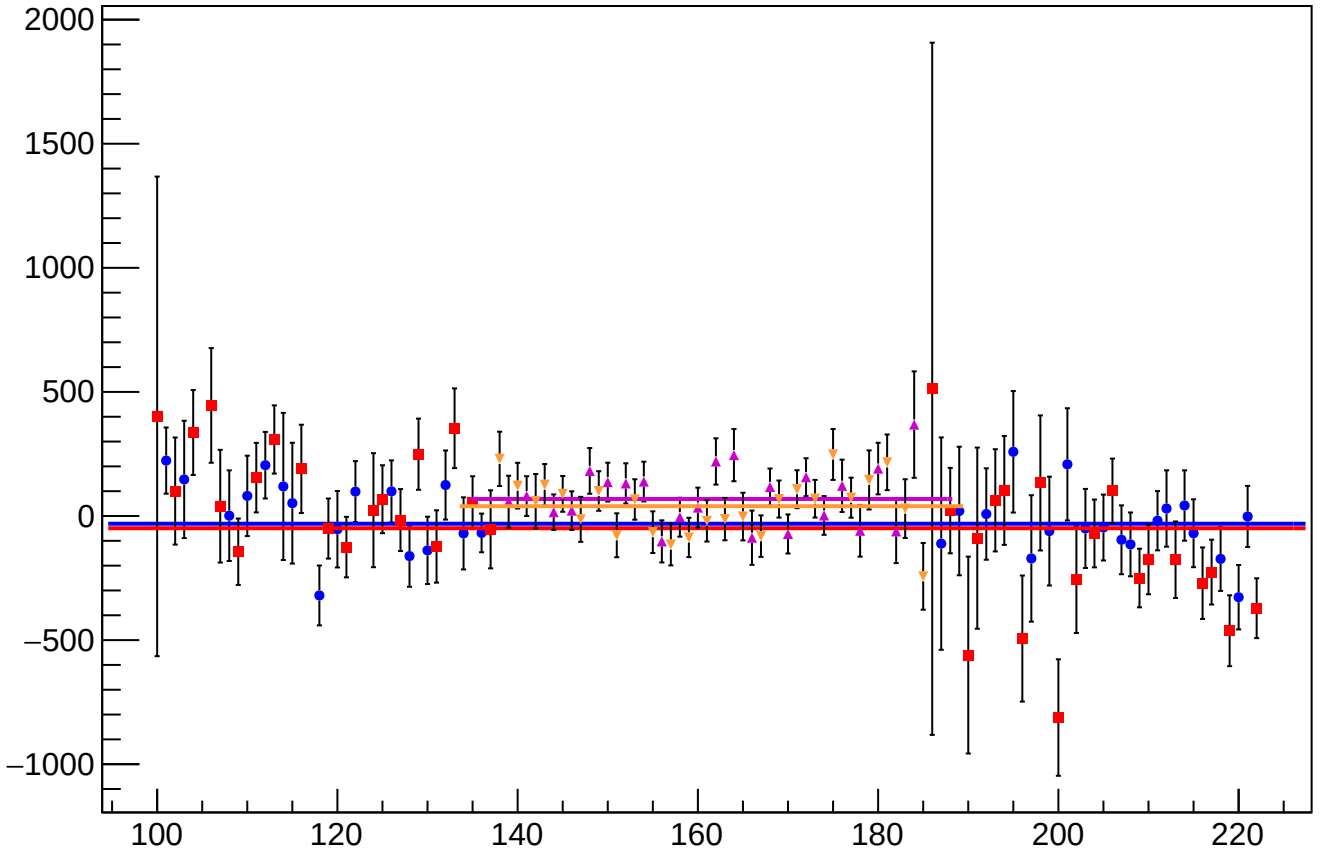
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1606.380+/-0.177 χ^2/NDF: 6215540.4/71

In: 838.453+/-0.104 χ^2/NDF:15022236.3/56

Out: 835.594+/-0.102 χ^2/NDF:16388022.1/62

All: 837.003+/-0.073 χ^2/NDF: 31410643.1/11



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: -49.259+/-25.949 χ^2/NDF: 78.1/37

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

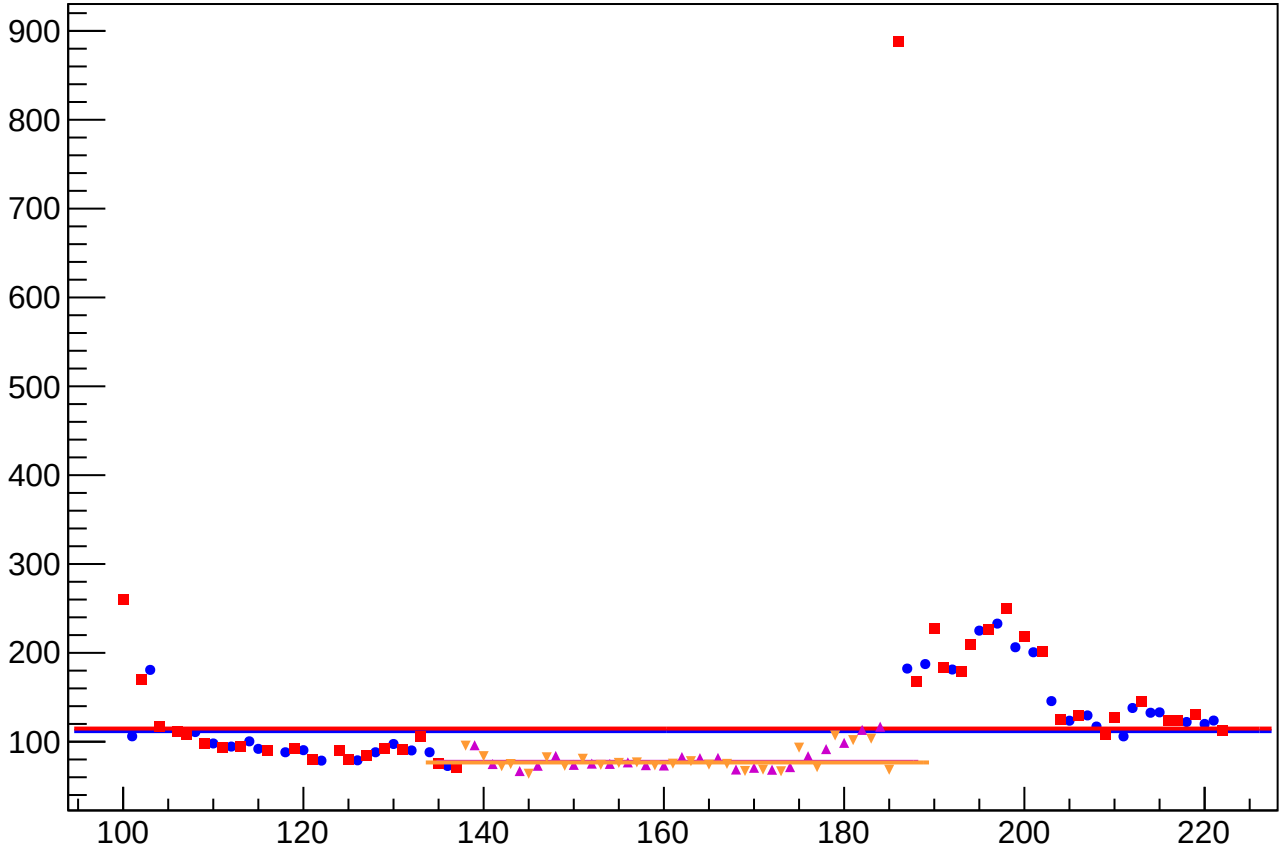
Right: -39.902+/-18.055 χ^2/NDF: 108.4/71

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 11.379+/-14.603 χ^2/NDF:118.0/62

All: 22.549+/-10.396 χ^2/NDF: 188.5/119

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 111.905+/-0.018 χ^2/NDF: 3743625.6/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 114.798+/-0.018 χ^2/NDF: 4769272.7/37

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

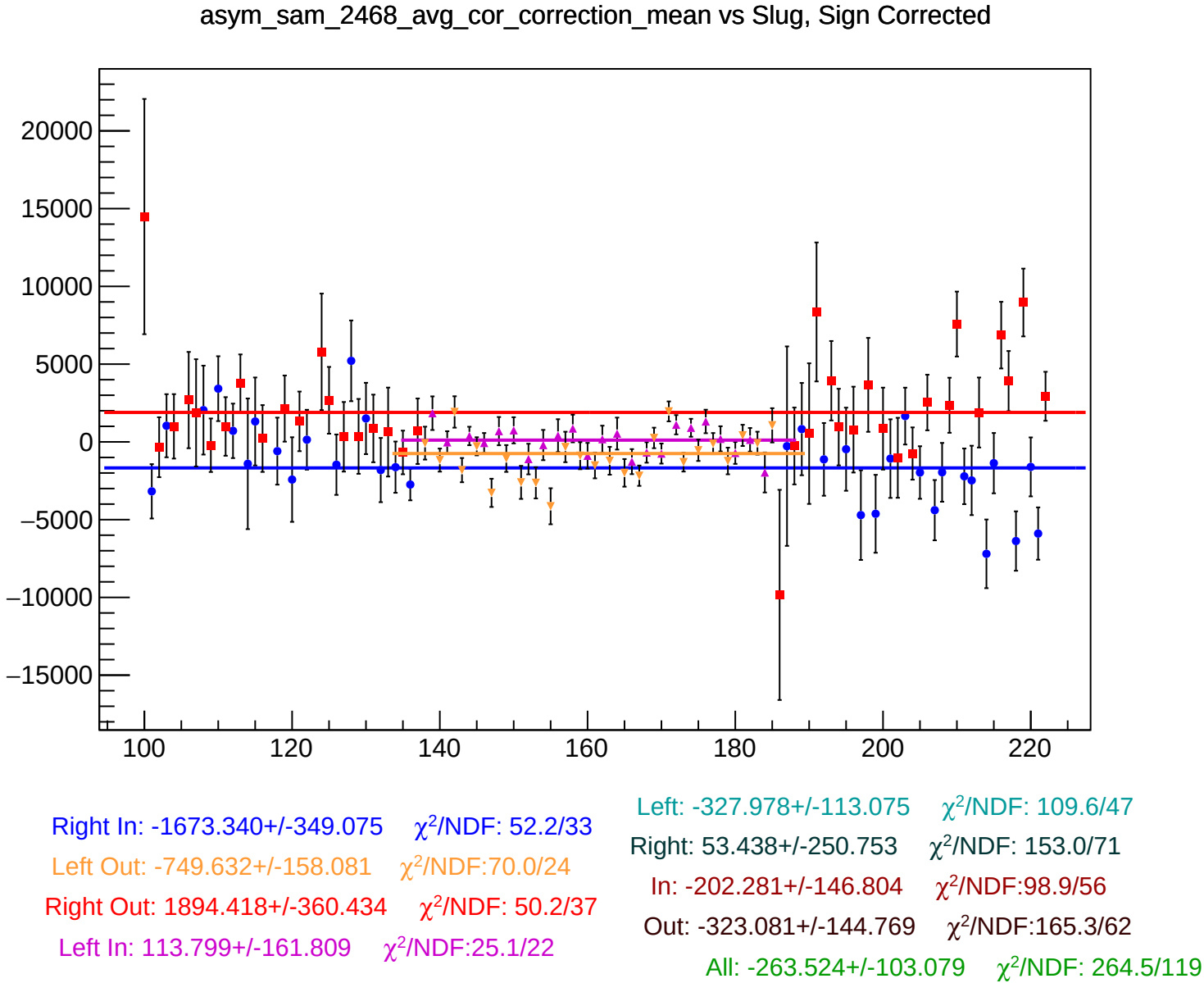
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

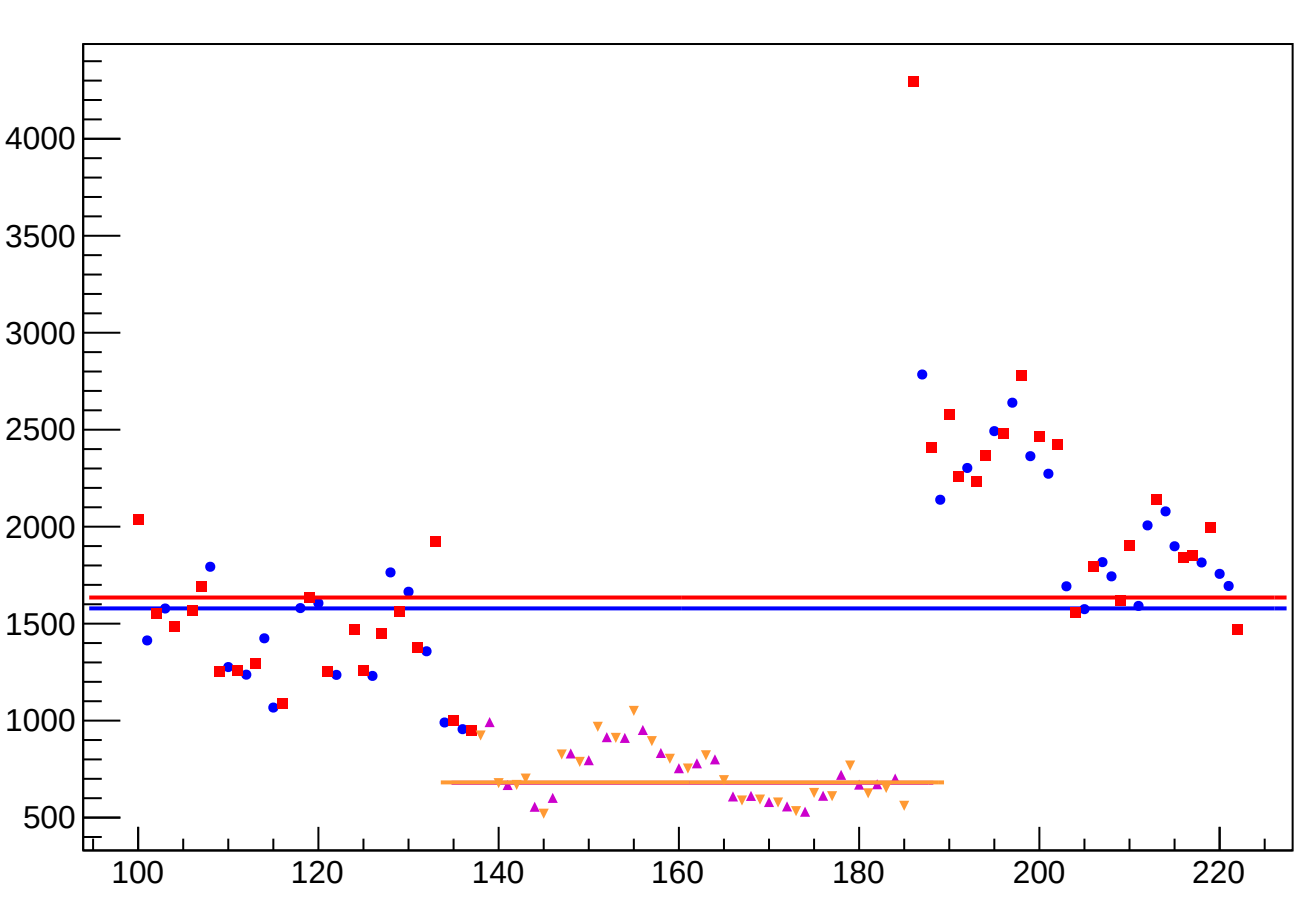
Right: 113.306+/-0.013 χ^2/NDF: 8525723.3/71

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 88.729+/-0.010 χ^2/NDF:8378077.1/62

All: 89.027+/-0.007 χ^2/NDF: 15182529.7/119


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: 1894.418+/-360.434 χ²/NDF: 50.2/37
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 53.438+/-250.753 χ²/NDF: 153.0/71
In: -202.281+/-146.804 χ²/NDF:98.9/56
Out: -323.081+/-144.769 χ²/NDF:165.3/62
All: -263.524+/-103.079 χ²/NDF: 264.5/119



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: 1634.766+/-0.255 χ^2/NDF: 3277496.9/37

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

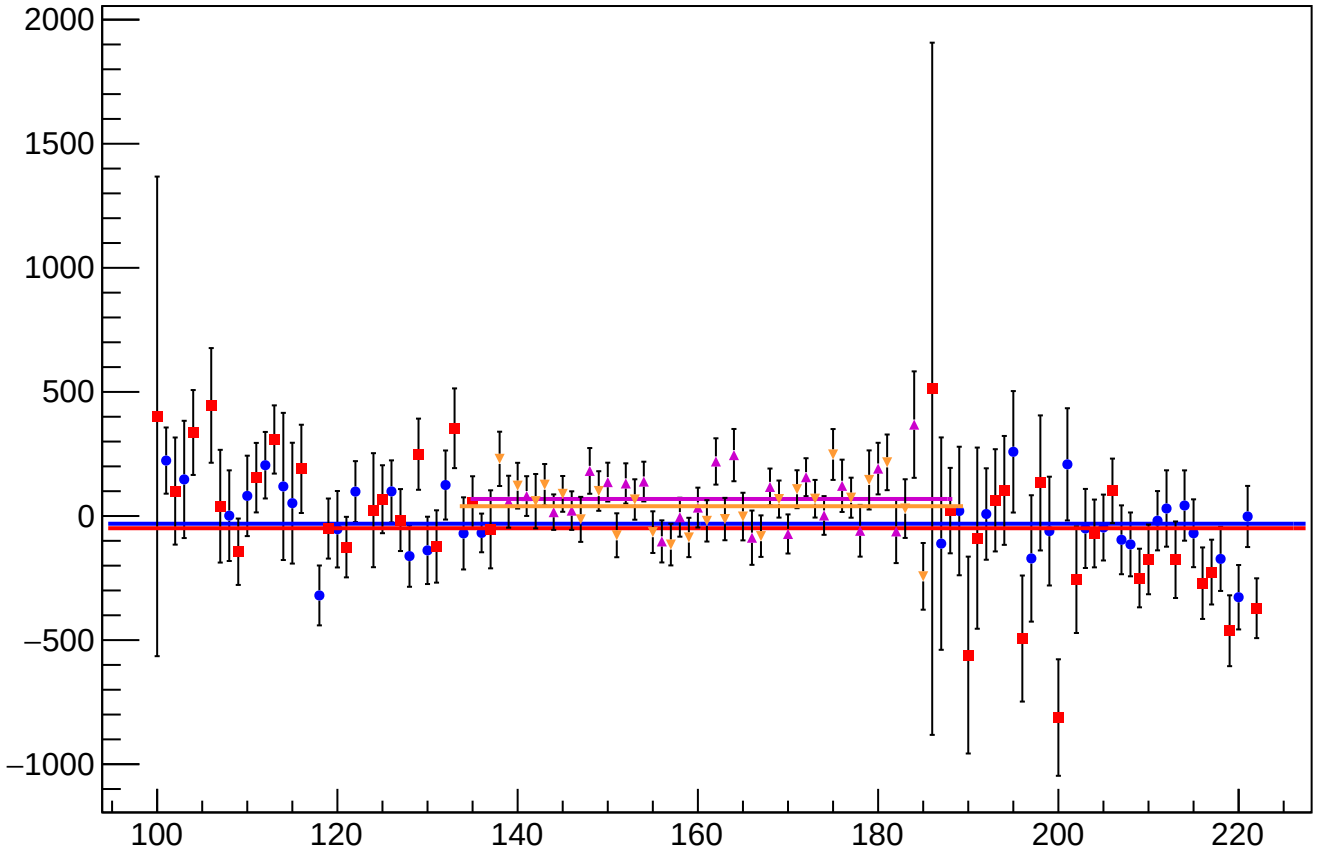
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1605.801+/-0.177 χ^2/NDF: 6215221.0/71

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 835.224+/-0.102 χ^2/NDF:16346294.0/62

All: 836.816+/-0.073 χ^2/NDF: 31369055.2/11



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: -49.259+/-25.949 χ^2/NDF: 78.1/37

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

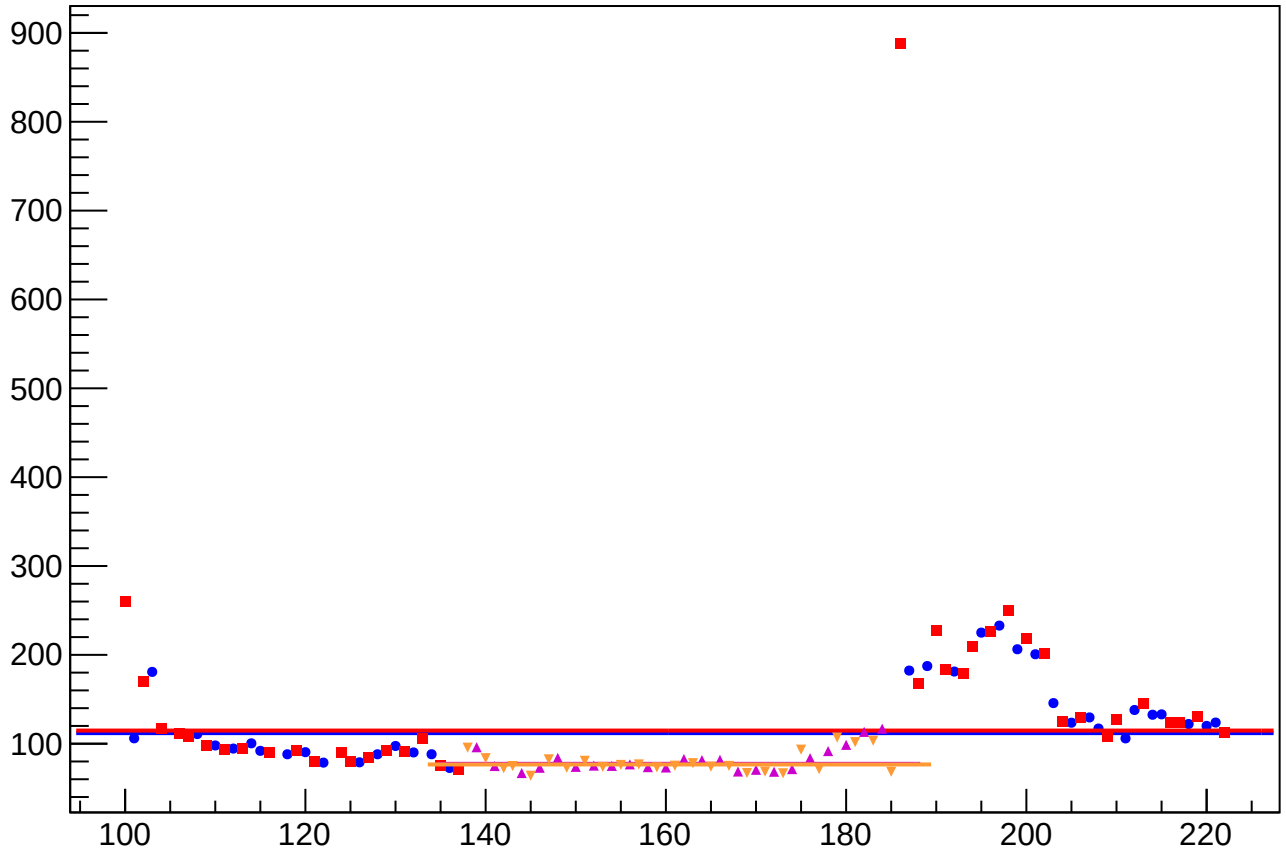
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -39.902+/-18.055 χ^2/NDF: 108.4/71

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 11.379+/-14.603 χ^2/NDF:118.0/62

All: 22.549+/-10.396 χ^2/NDF: 188.5/119



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: 114.798+/-0.018 χ^2/NDF: 4769272.7/37

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

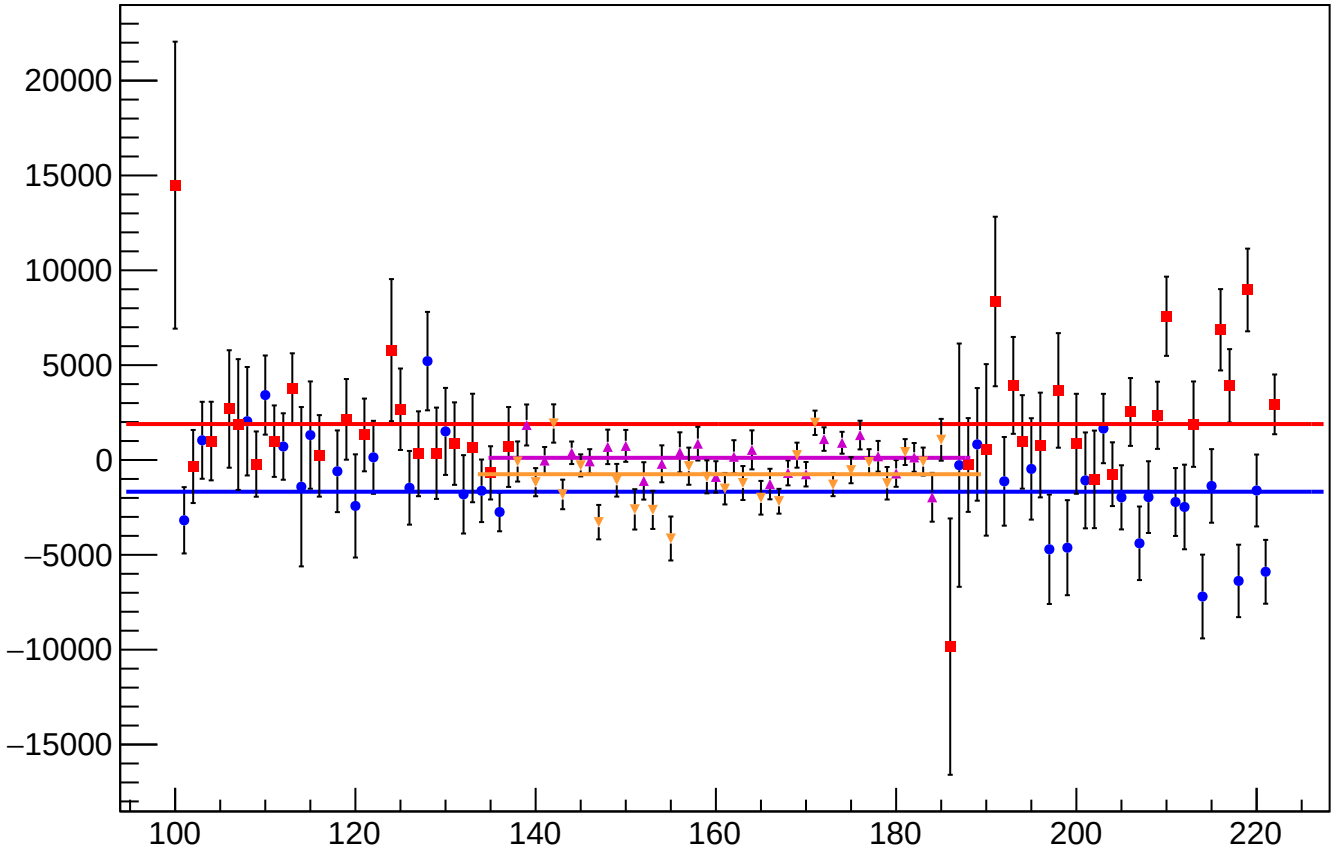
Right: 113.306+/-0.013 χ^2/NDF: 8525723.3/71

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 88.729+/-0.010 χ^2/NDF:8378077.1/62

All: 89.027+/-0.007 χ^2/NDF: 15182529.7/119

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: 1894.418+/-360.434 χ^2/NDF: 50.2/37

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

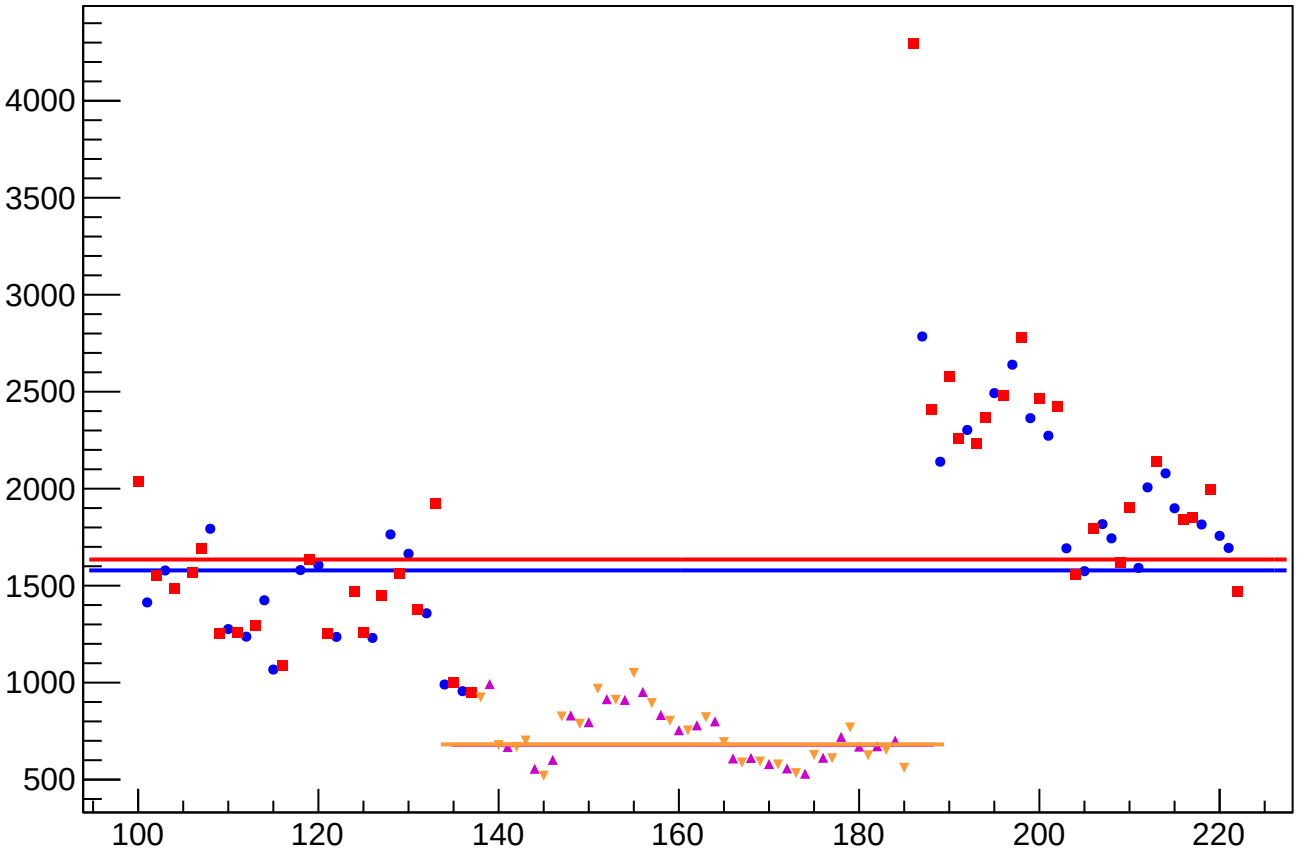
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 53.438+/-250.753 χ^2/NDF: 153.0/71

In: -202.281+/-146.804 χ^2/NDF:98.9/56

Out: -323.081+/-144.769 χ^2/NDF:165.3/62

All: -263.524+/-103.079 χ^2/NDF: 264.5/119



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: 1634.766+/-0.255 χ^2/NDF: 3277496.9/37

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

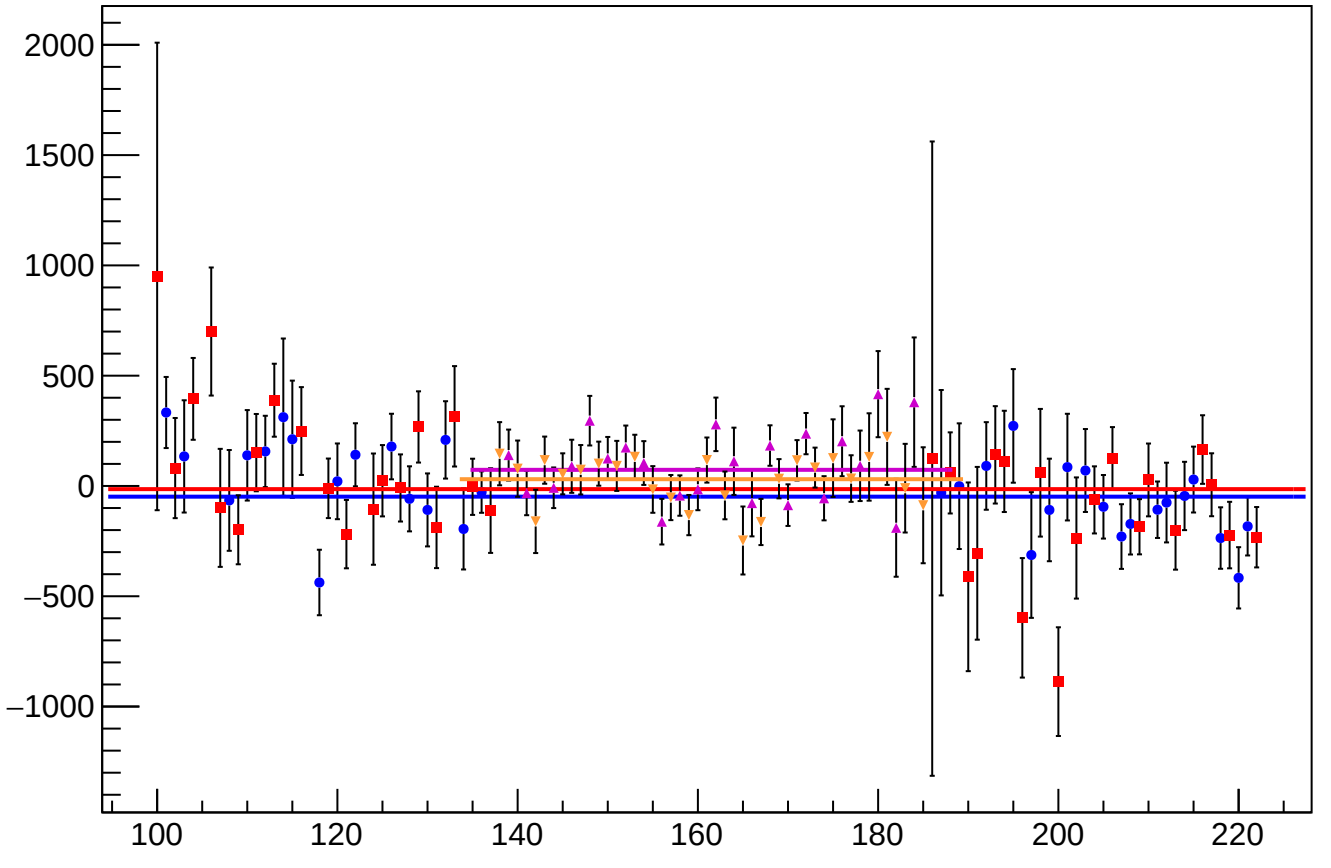
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1605.801+/-0.177 χ^2/NDF: 6215221.0/71

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 835.224+/-0.102 χ^2/NDF:16346294.0/62

All: 836.816+/-0.073 χ^2/NDF: 31369055.2/11



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: -14.332+/-29.743 χ^2/NDF: 60.4/37

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

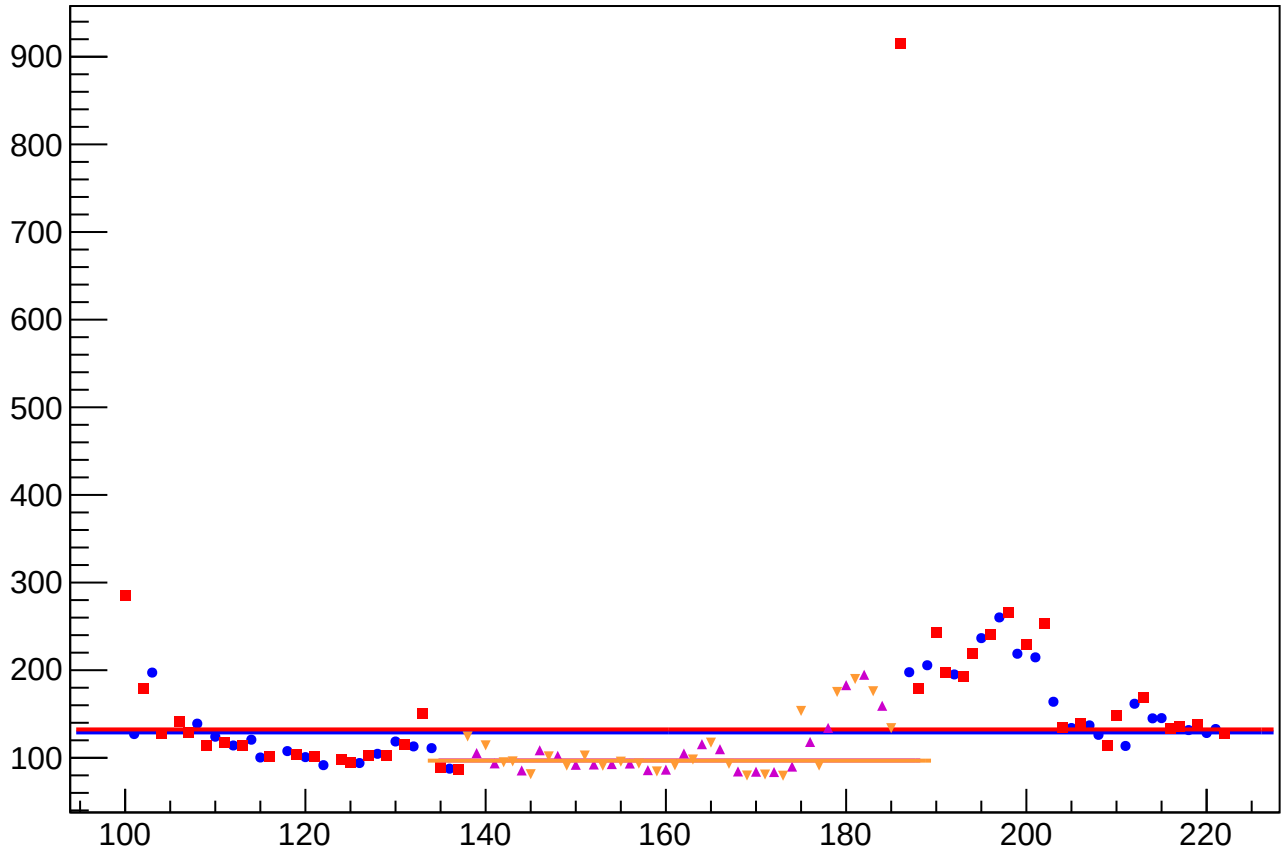
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -31.982+/-20.681 χ^2/NDF: 102.2/71

In: 24.451+/-18.207 χ^2/NDF:86.4/56

Out: 13.971+/-18.123 χ^2/NDF:81.8/62

All: 19.187+/-12.844 χ^2/NDF: 168.3/119



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: 132.412+/-0.021 χ^2/NDF: 4025294.5/37

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

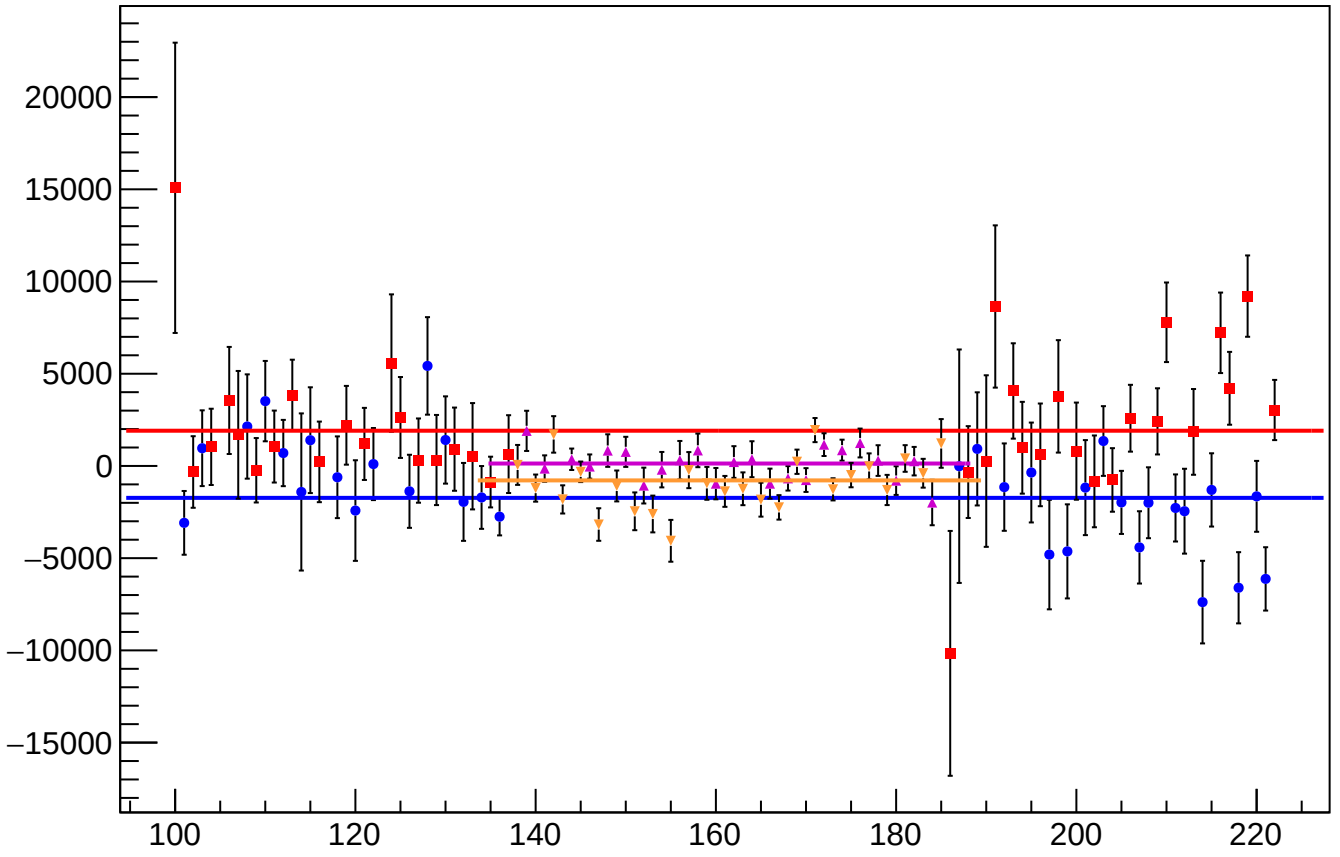
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.652+/-0.015 χ^2/NDF: 7010571.8/71

In: 109.821+/-0.013 χ^2/NDF:5774958.0/56

Out: 110.018+/-0.013 χ^2/NDF:7548950.3/62

All: 109.920+/-0.009 χ^2/NDF: 13324025.6/1



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: 1910.415+/-364.839 χ^2/NDF: 53.1/37

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

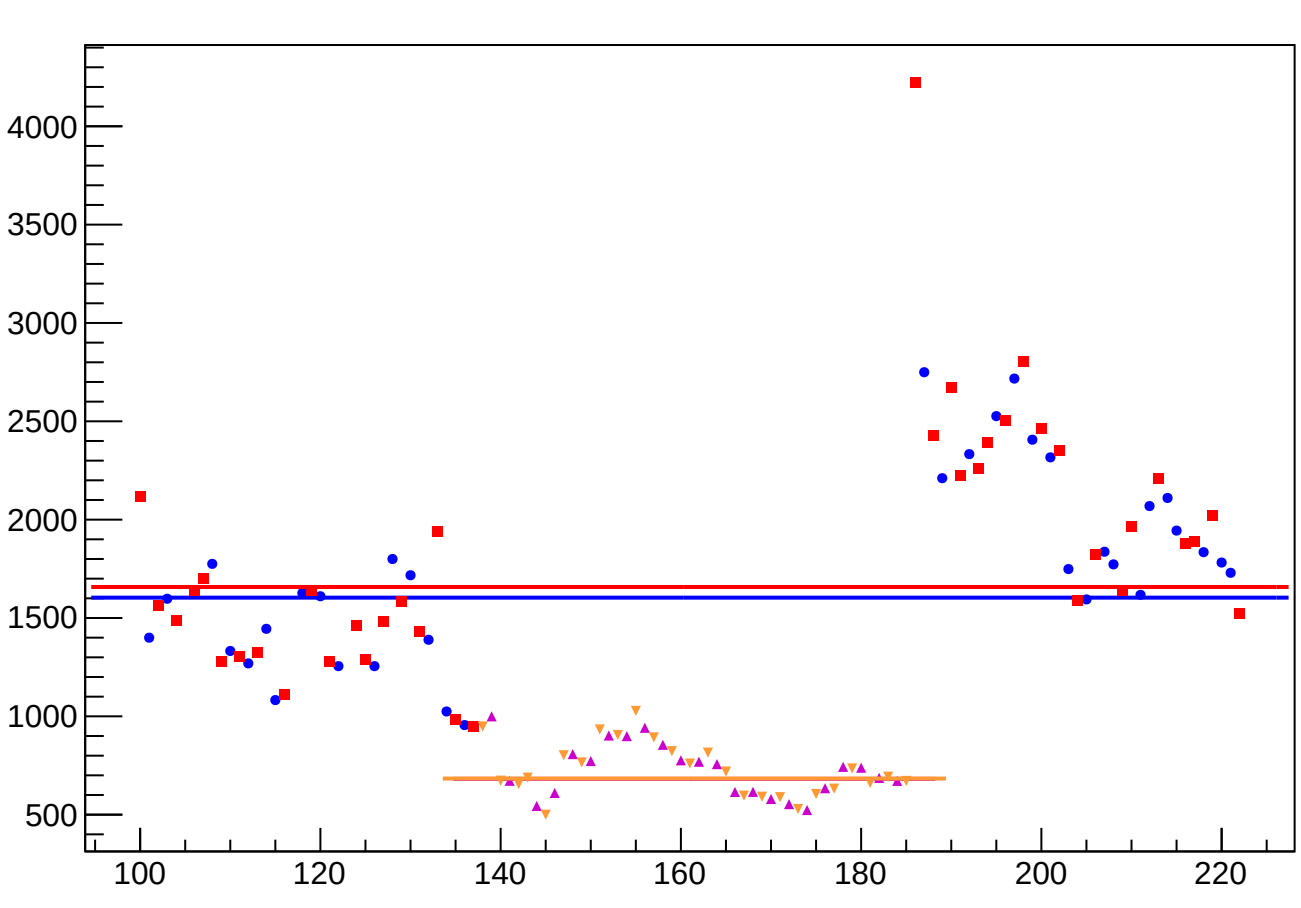
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

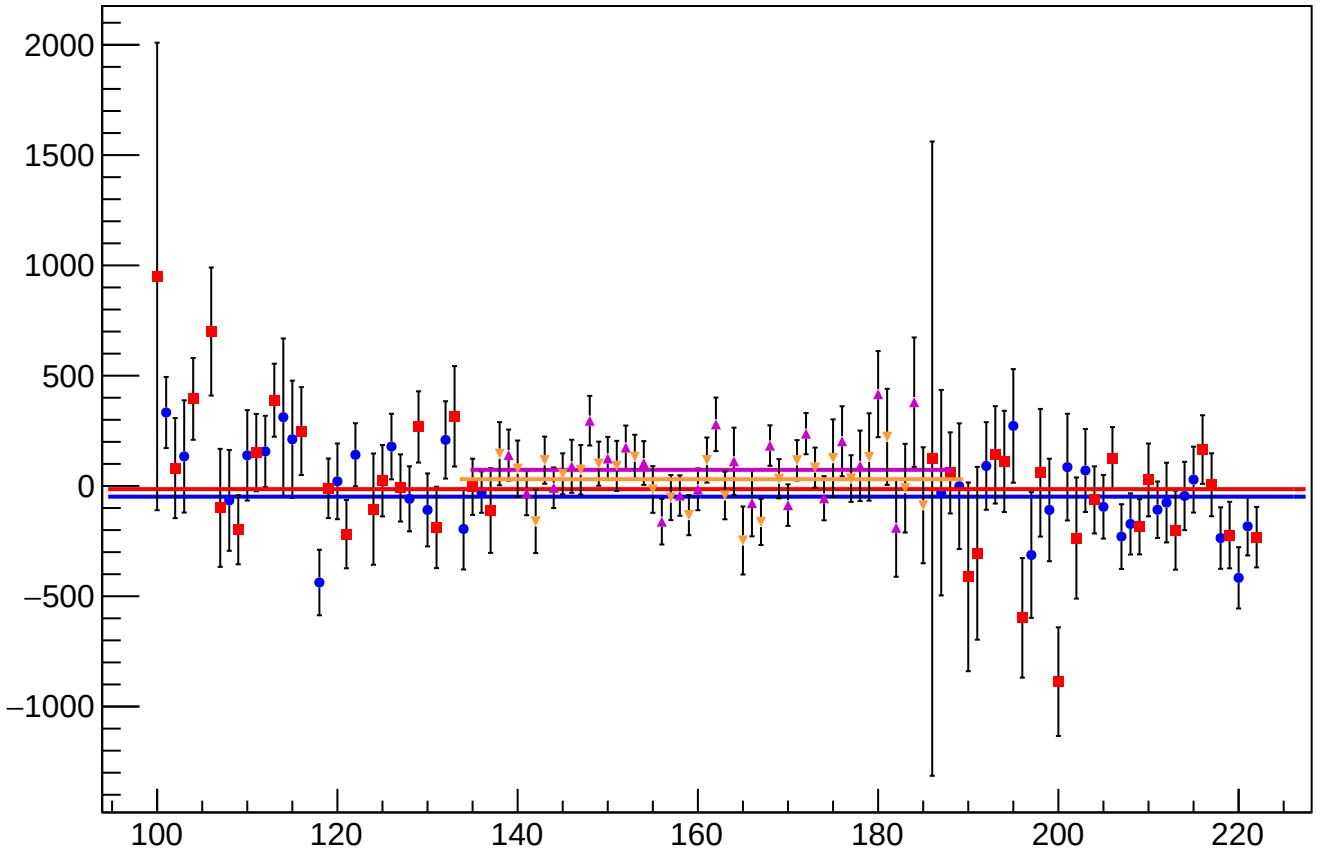
Right: 38.655+/-254.320 χ^2/NDF: 156.4/71

In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -356.779+/-145.242 χ^2/NDF:165.4/62

All: -275.417+/-103.548 χ^2/NDF: 265.1/119


asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1603.436+/-0.251 χ²/NDF: 2966976.4/33
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1657.647+/-0.258 χ²/NDF: 3270109.0/37
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1629.778+/-0.180 χ²/NDF: 6259785.6/71
In: 841.667+/-0.104 χ²/NDF:15311767.8/56
Out: 838.051+/-0.103 χ²/NDF:16562031.1/62
All: 839.829+/-0.073 χ²/NDF: 31874408.6/11



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: -14.335+/-29.743 χ^2/NDF: 60.4/37

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

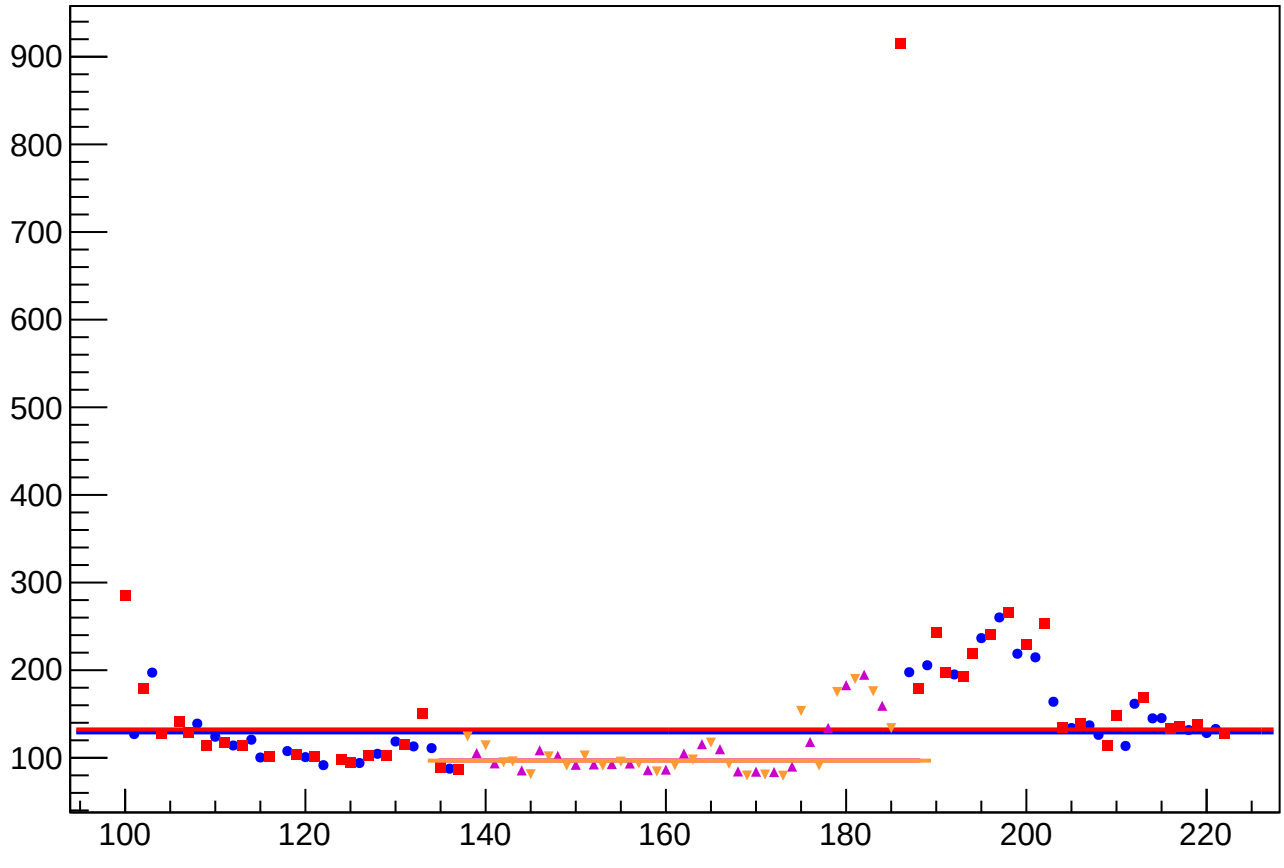
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -31.982+/-20.681 χ^2/NDF: 102.2/71

In: 24.452+/-18.207 χ^2/NDF:86.4/56

Out: 13.970+/-18.123 χ^2/NDF:81.8/62

All: 19.187+/-12.844 χ^2/NDF: 168.3/119



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: 132.412+/-0.021 χ^2/NDF: 4025325.0/37

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

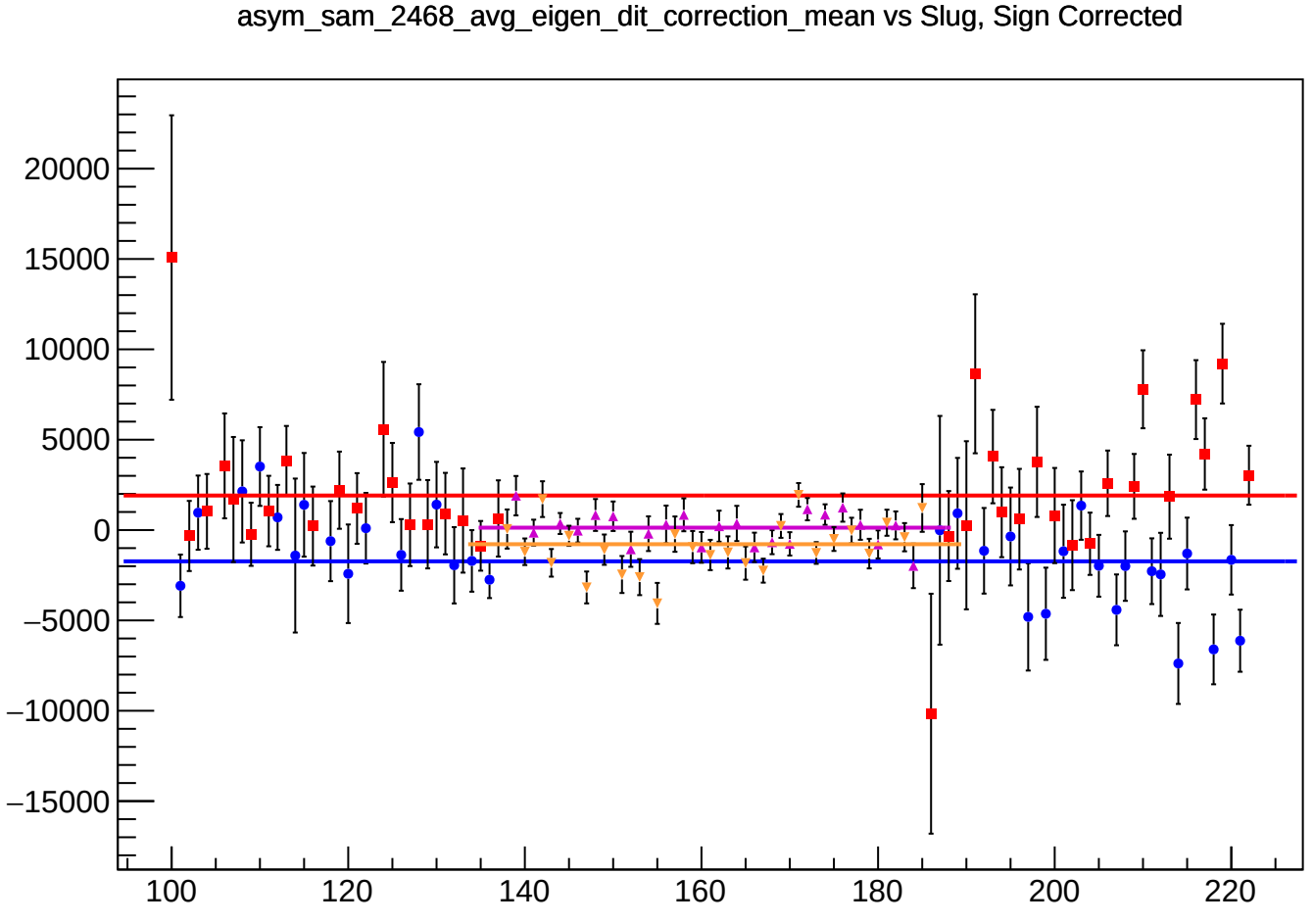
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 130.651+/-0.015 χ^2/NDF: 7010621.8/71

In: 109.821+/-0.013 χ^2/NDF:5774879.7/56

Out: 110.018+/-0.013 χ^2/NDF:7548902.5/62

All: 109.920+/-0.009 χ^2/NDF: 13323899.6/11



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: 1910.410+/-364.839 χ^2/NDF: 53.1/37

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

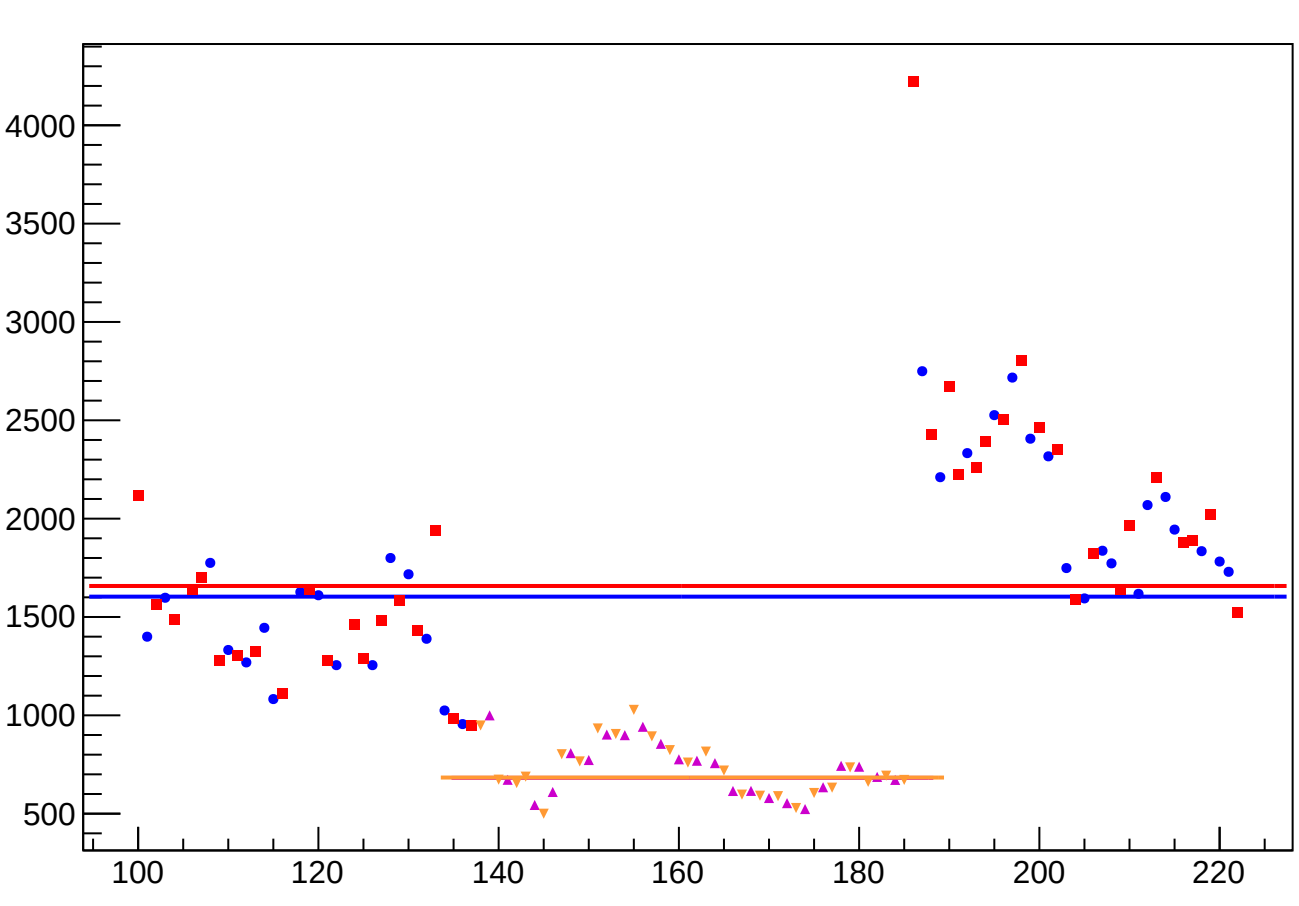
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 38.656+/-254.320 χ^2/NDF: 156.4/71

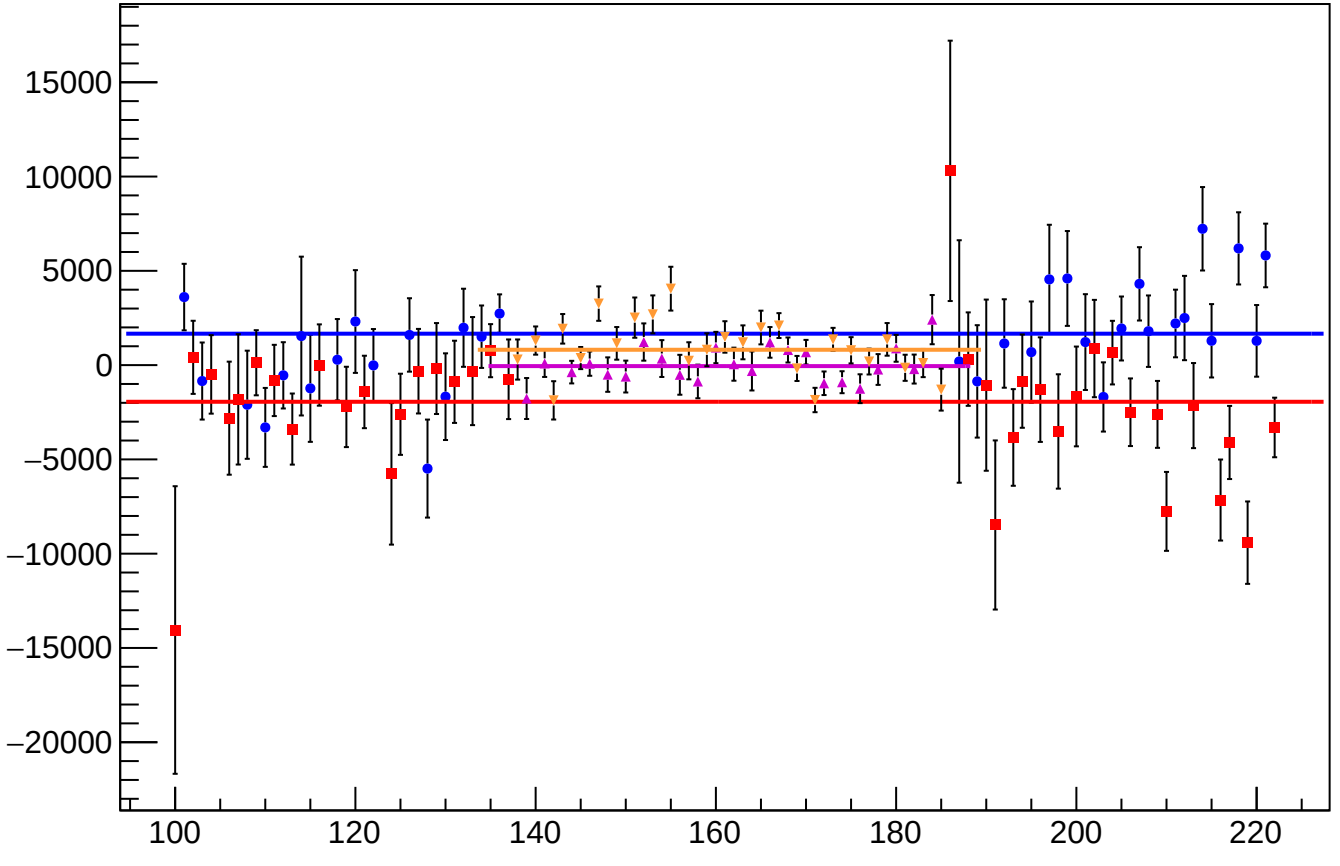
In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -356.778+/-145.241 χ^2/NDF:165.4/62

All: -275.417+/-103.548 χ^2/NDF: 265.1/119


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1603.433+/-0.251 χ²/NDF: 2966985.7/33
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1657.644+/-0.258 χ²/NDF: 3270121.0/37
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
Left: 682.850+/-0.080 χ²/NDF: 2484229.4/47
Right: 1629.775+/-0.180 χ²/NDF: 6259807.1/71
In: 841.666+/-0.104 χ²/NDF:15311787.2/56
Out: 838.049+/-0.103 χ²/NDF:16562058.9/62
All: 839.827+/-0.073 χ²/NDF: 31874455.9/11

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: -1944.199+/-361.366 χ^2/NDF: 53.0/37

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

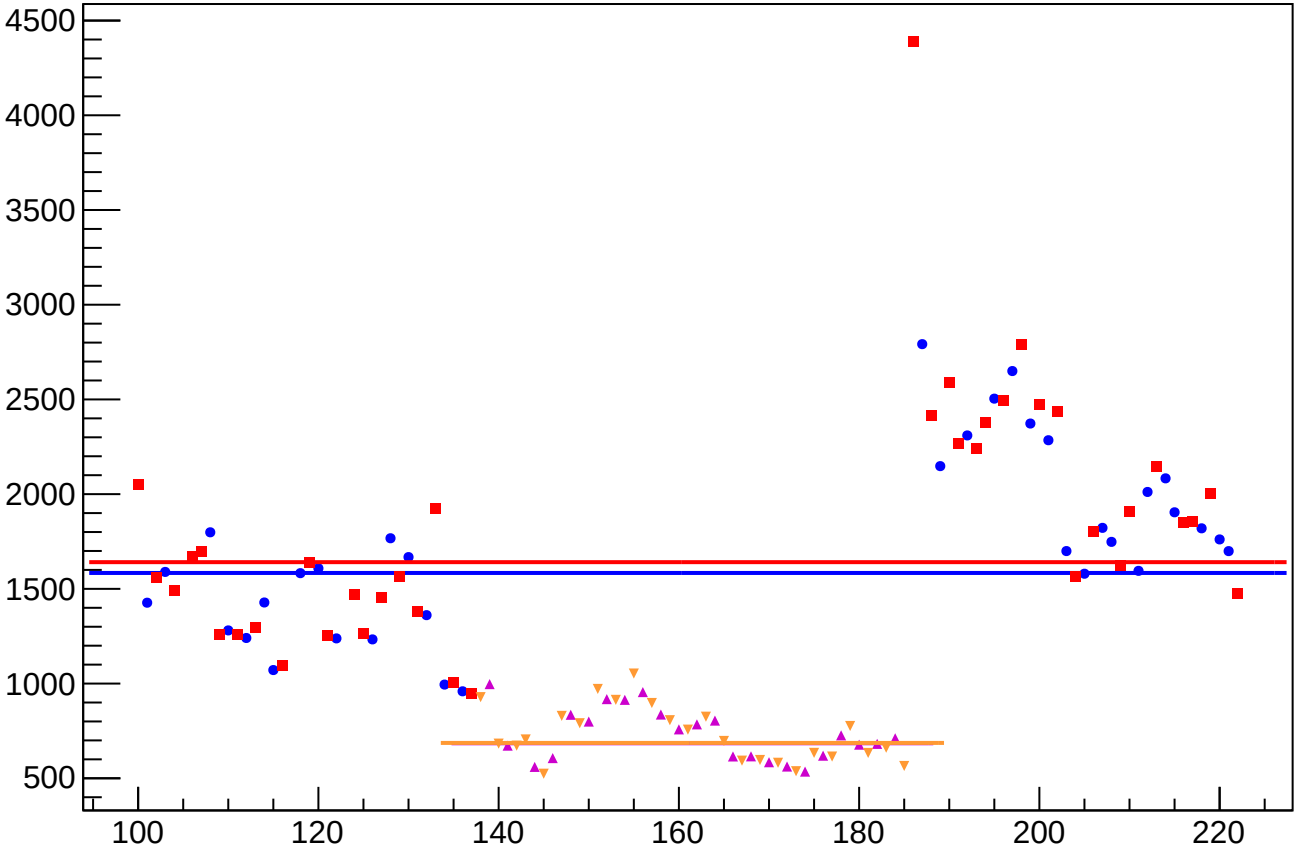
Right: -82.337+/-251.498 χ^2/NDF: 156.0/71

In: 253.845+/-147.806 χ^2/NDF:96.7/56

Out: 365.478+/-145.731 χ^2/NDF:167.5/62

All: 310.451+/-103.773 χ^2/NDF: 264.5/119

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: 1640.933+/-0.256 χ^2/NDF: 3287369.9/37

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

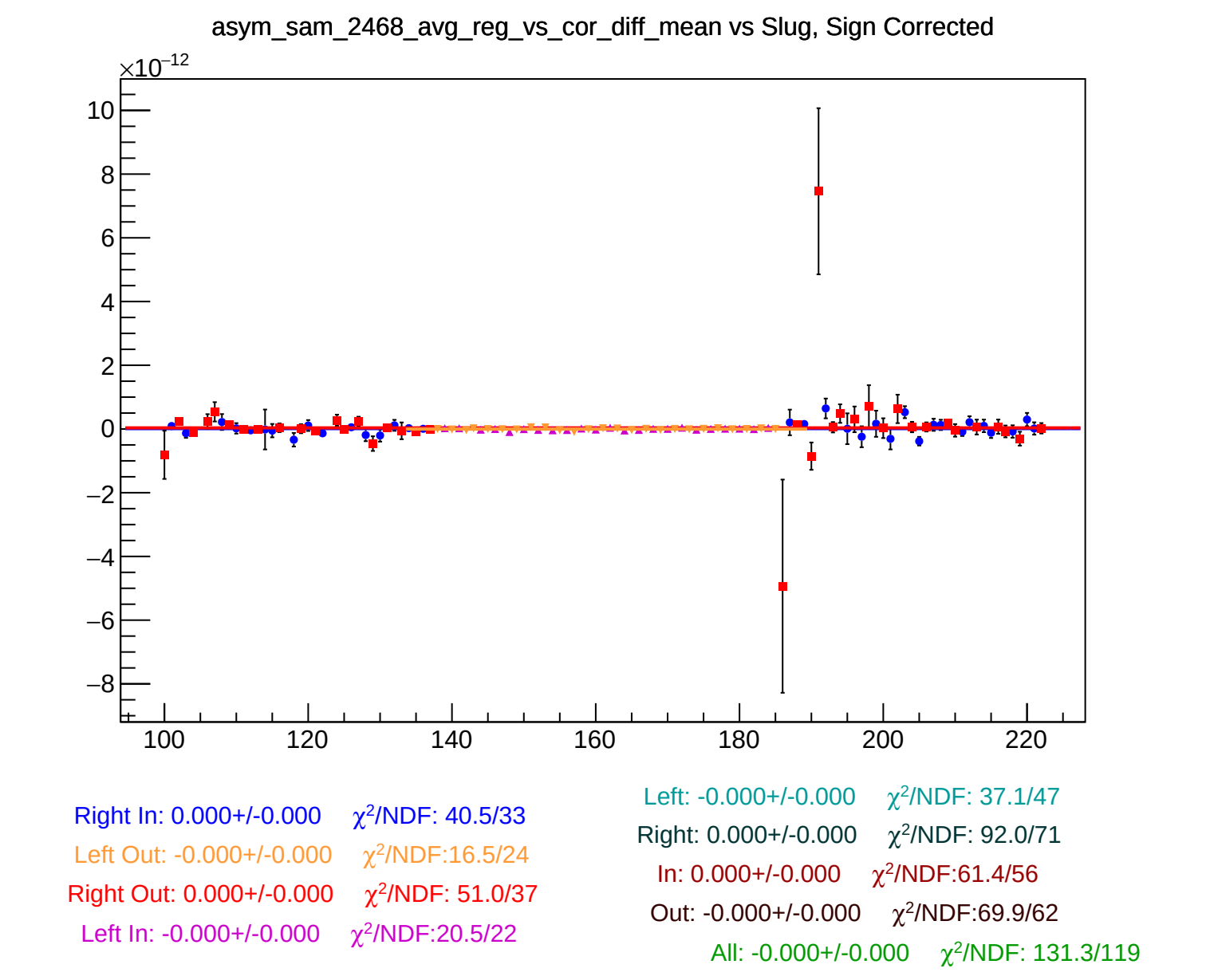
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

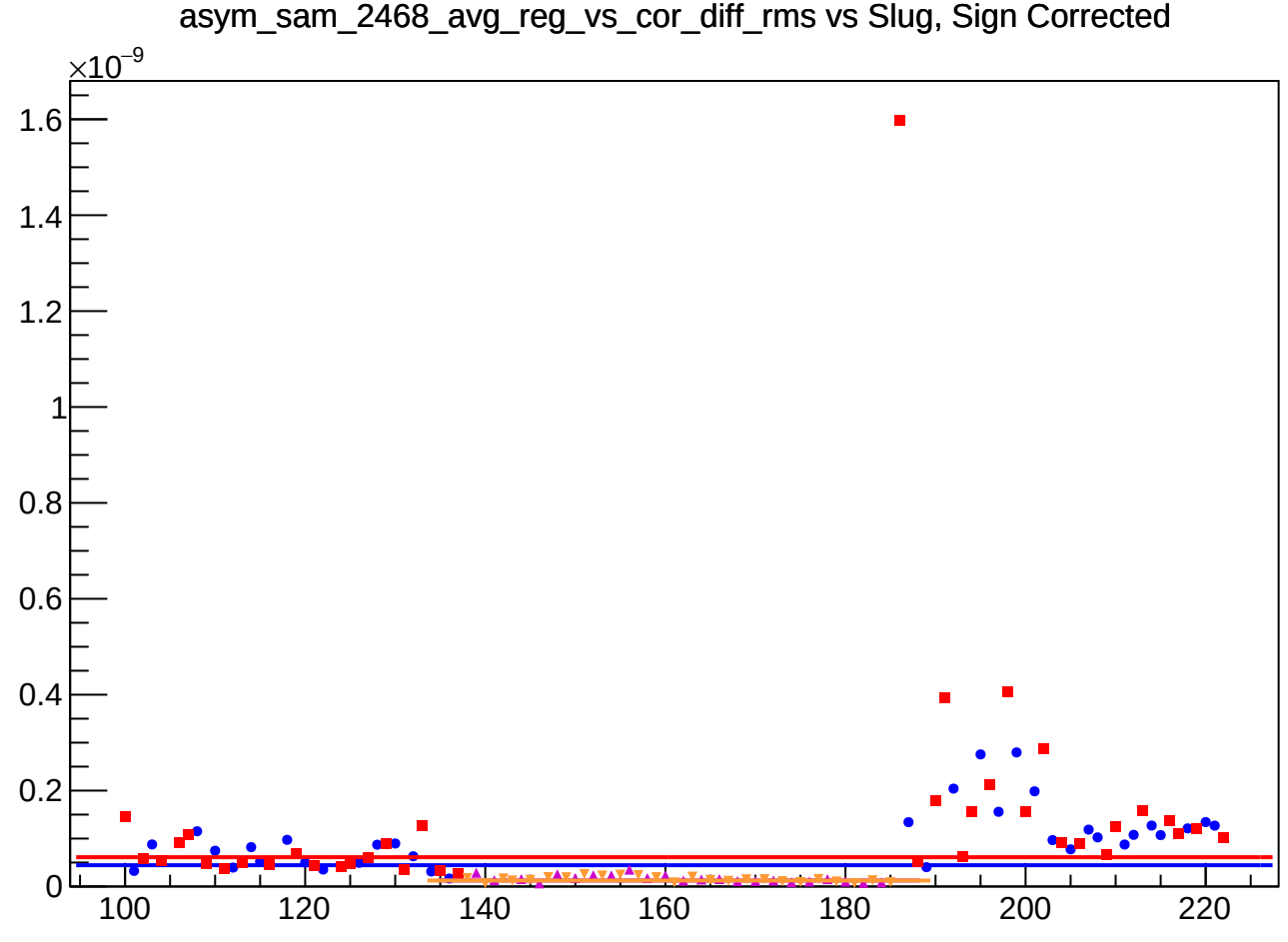
Right: 1611.552+/-0.178 χ^2/NDF: 6223700.3/71

In: 844.907+/-0.105 χ^2/NDF:14910816.8/56

Out: 841.891+/-0.103 χ^2/NDF:16277388.8/62

All: 843.378+/-0.073 χ^2/NDF: 31188627.8/1


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: 51.0/37
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: 92.0/71
In: 0.000+/-0.000 χ²/NDF:61.4/56
Out: -0.000+/-0.000 χ²/NDF:69.9/62
All: -0.000+/-0.000 χ²/NDF: 131.3/119



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: 4889162.3/37

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

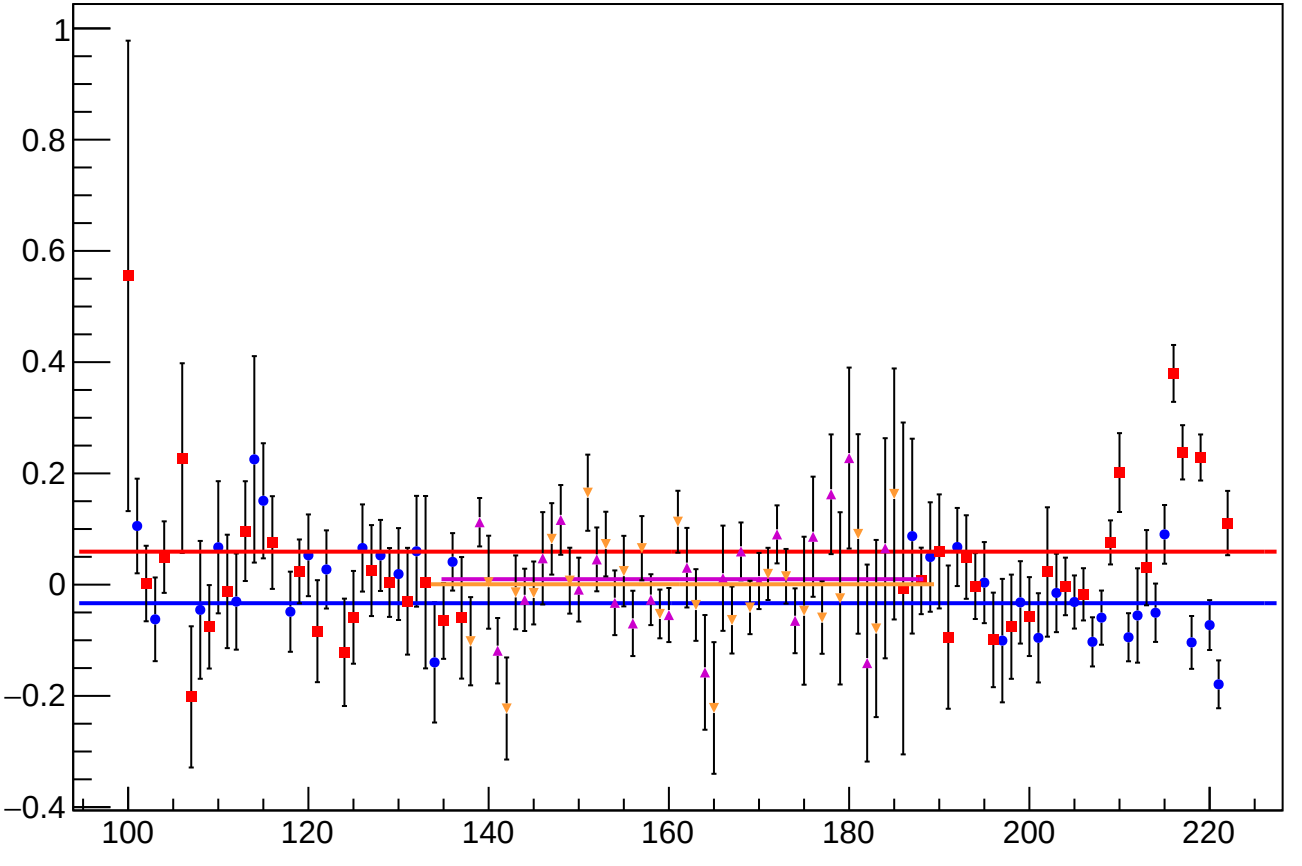
Right: 0.000+/-0.000 χ^2/NDF: 13525253.7/71

In: 0.000+/-0.000 χ^2/NDF:14957718.0/56

Out: 0.000+/-0.000 χ^2/NDF:14458022.8/62

All: 0.000+/-0.000 χ^2/NDF: 29417820.4/119

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: 0.059+/-0.011 χ^2/NDF: 116.4/37

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

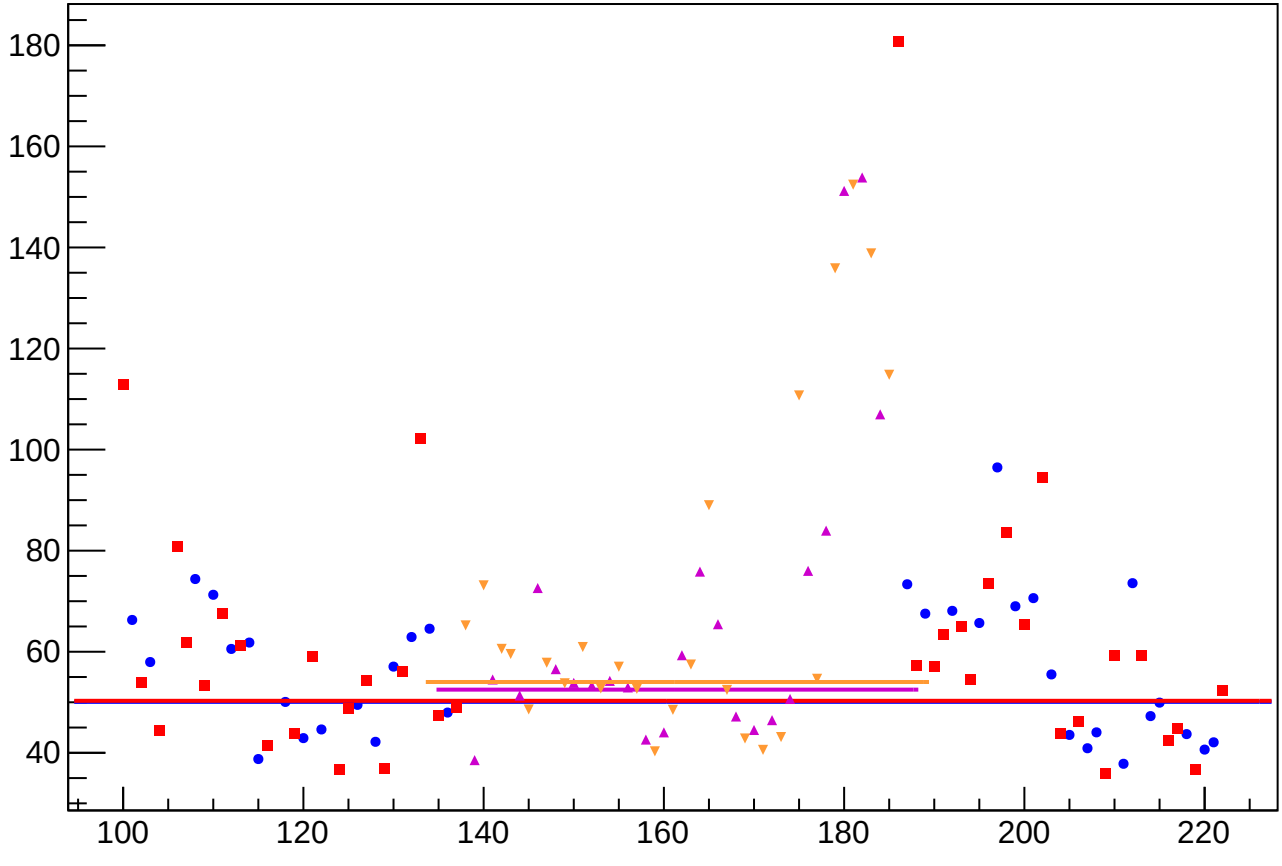
Right: 0.012+/-0.008 χ^2/NDF: 197.6/71

In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.034+/-0.009 χ^2/NDF:159.3/62

All: 0.009+/-0.006 χ^2/NDF: 261.7/119

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.291+/-0.008 χ^2/NDF: 2650392.1/37

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

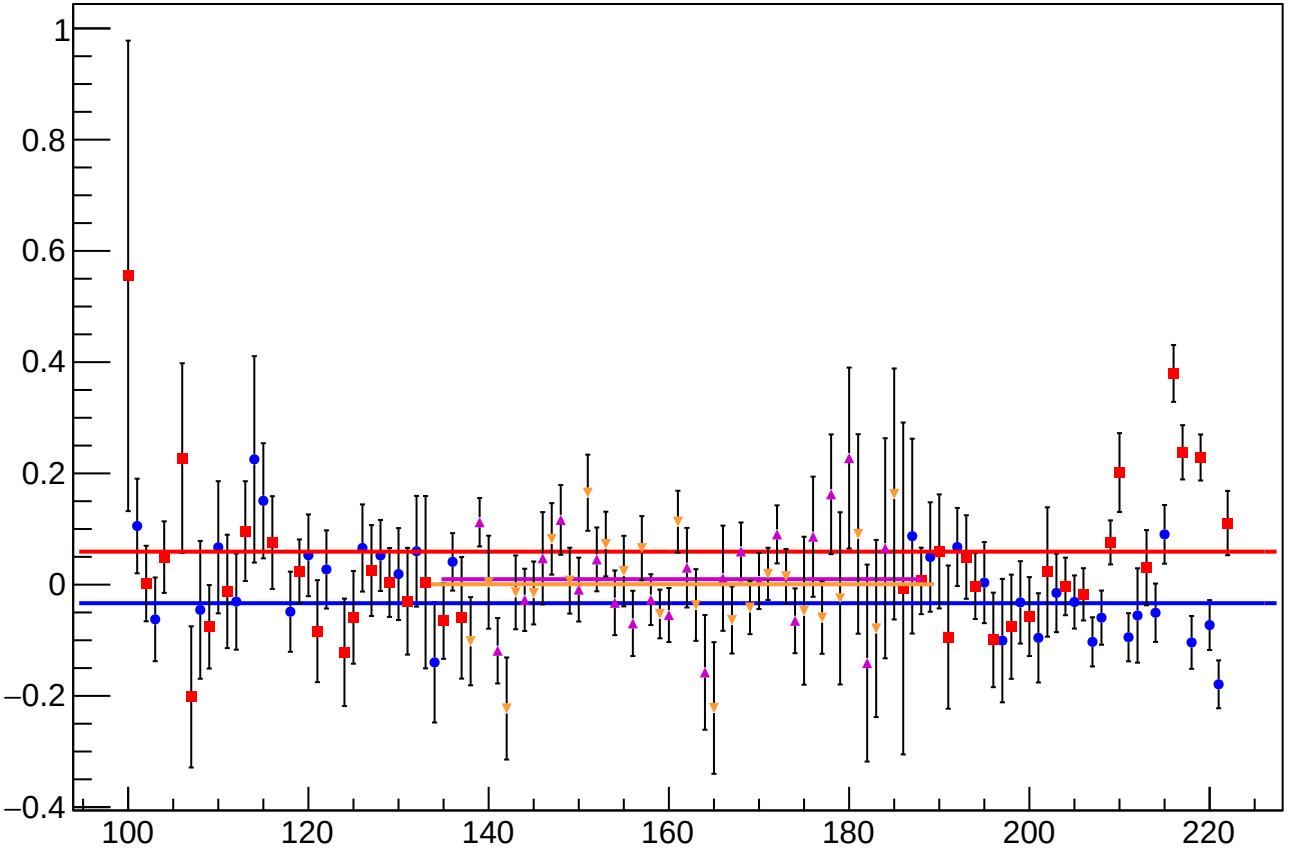
Right: 50.187+/-0.006 χ^2/NDF: 4708018.7/71

In: 51.108+/-0.006 χ^2/NDF:4653617.5/56

Out: 51.884+/-0.006 χ^2/NDF:5968471.1/62

All: 51.493+/-0.004 χ^2/NDF: 10630166.9/119

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: 0.059+/-0.011 χ^2/NDF: 116.4/37

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

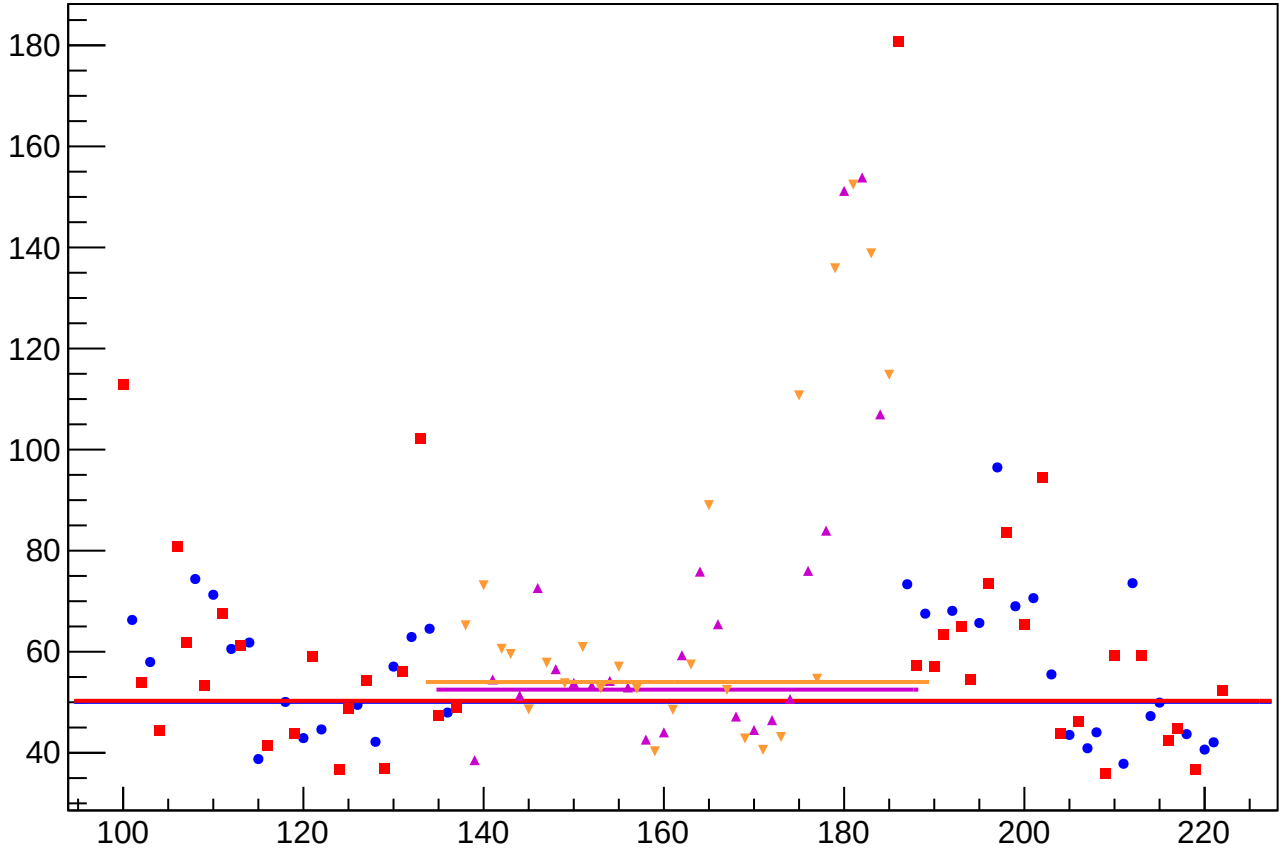
Right: 0.012+/-0.008 χ^2/NDF: 197.6/71

In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.034+/-0.009 χ^2/NDF:159.3/62

All: 0.009+/-0.006 χ^2/NDF: 261.7/119

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.291+/-0.008 χ^2/NDF: 2650392.1/37

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

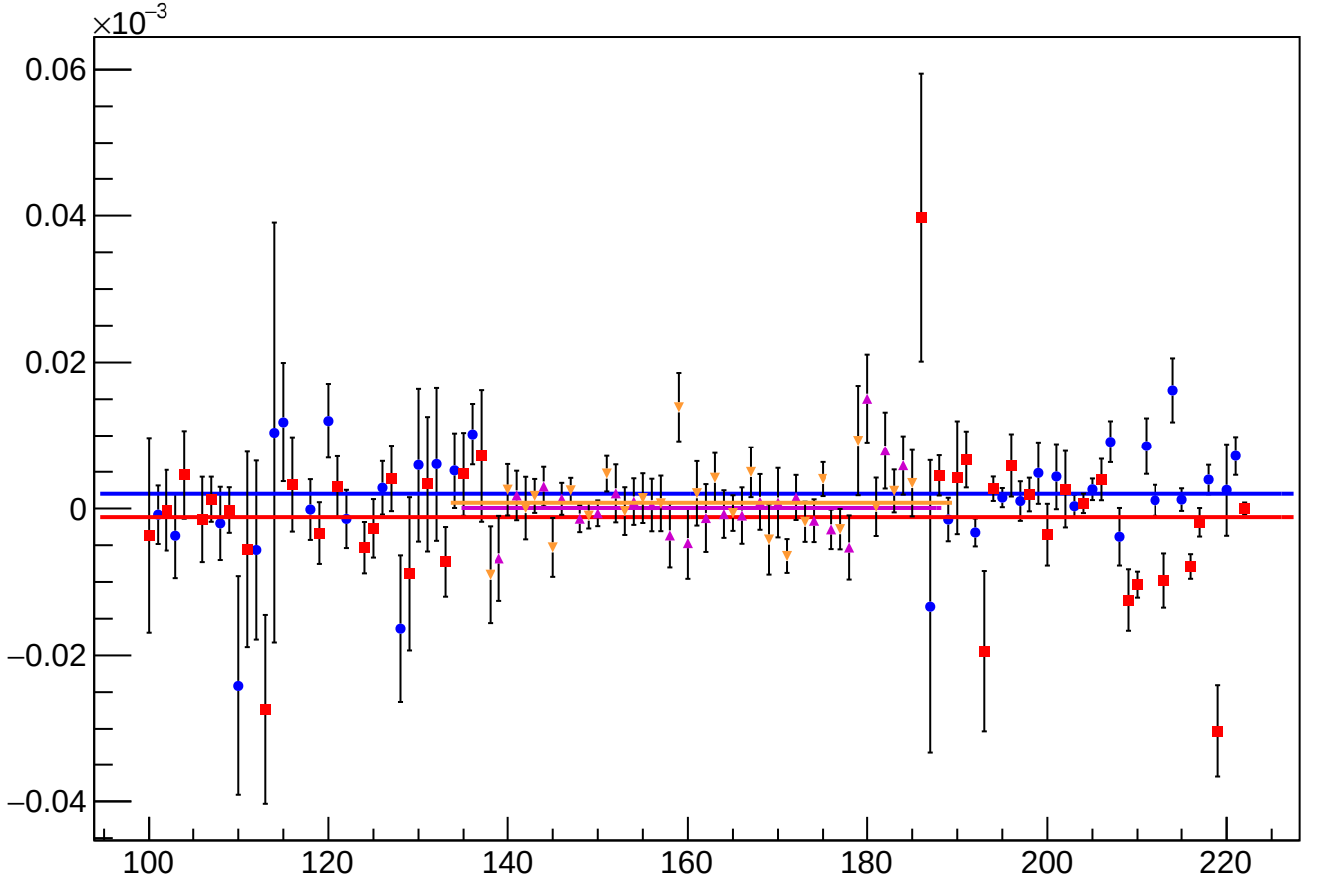
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 50.187+/-0.006 χ^2/NDF: 4708018.7/71

In: 51.108+/-0.006 χ^2/NDF:4653617.5/56

Out: 51.884+/-0.006 χ^2/NDF:5968471.1/62

All: 51.493+/-0.004 χ^2/NDF: 10630166.9/119



Right In: 0.000+/-0.000 χ^2/NDF: 59.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 126.8/37

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

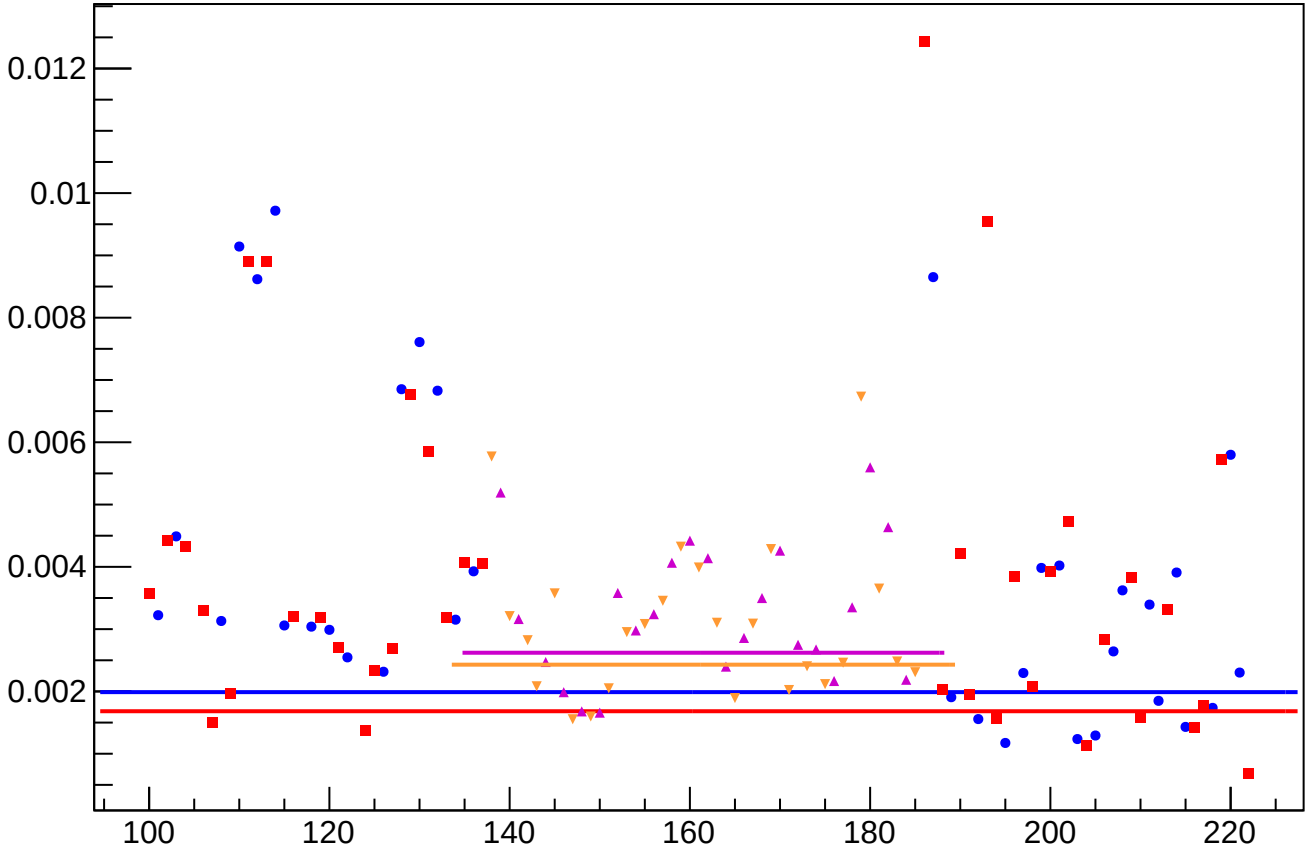
Right: 0.000+/-0.000 χ^2/NDF: 209.0/71

In: 0.000+/-0.000 χ^2/NDF:85.4/56

Out: -0.000+/-0.000 χ^2/NDF:171.8/62

All: 0.000+/-0.000 χ^2/NDF: 268.1/119

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9265061.0/33

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13745245.5/37

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

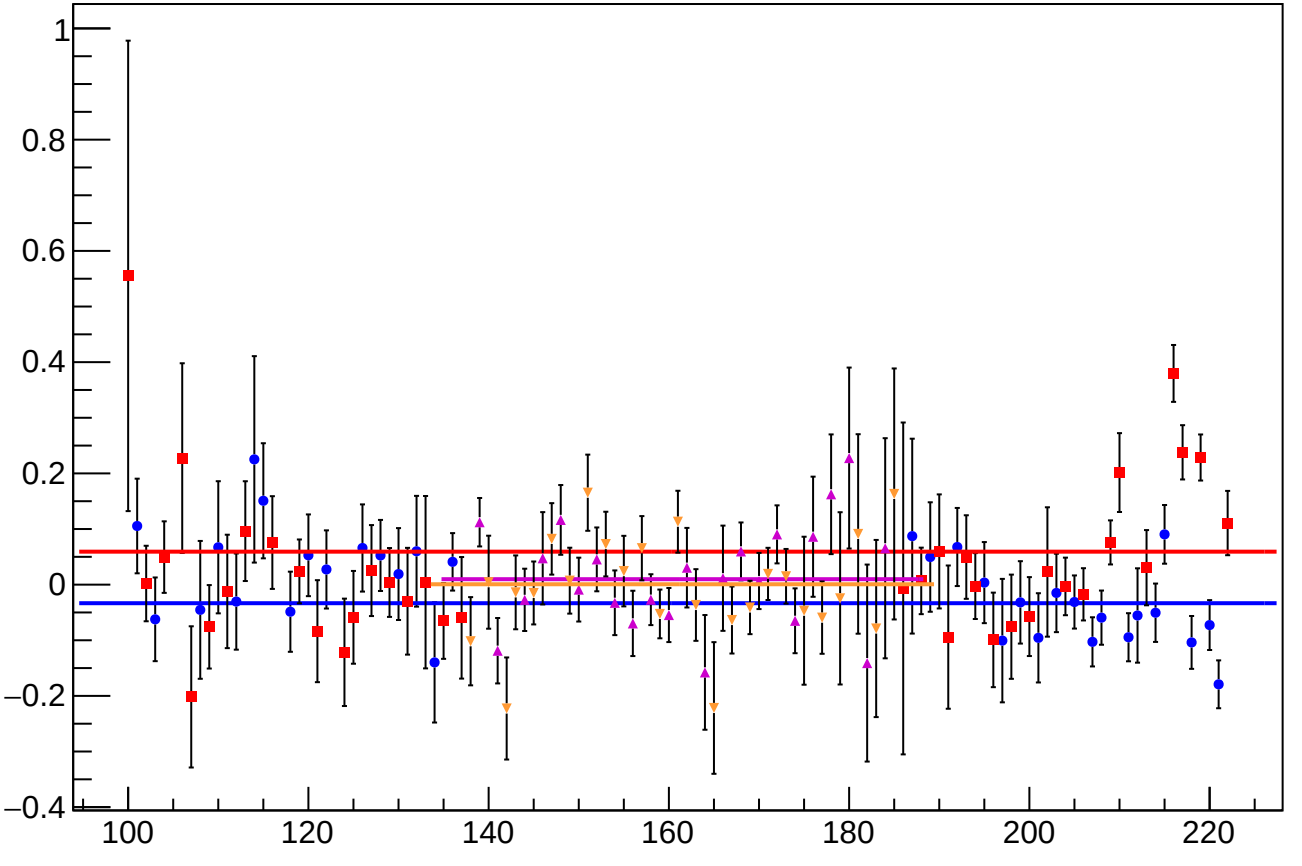
Right: 0.002+/-0.000 χ^2/NDF: 23426206.2/71

In: 0.002+/-0.000 χ^2/NDF:14383609.9/56

Out: 0.002+/-0.000 χ^2/NDF:19994470.0/62

All: 0.002+/-0.000 χ^2/NDF: 34863191.1/119

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: 0.059+/-0.011 χ^2/NDF: 116.4/37

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

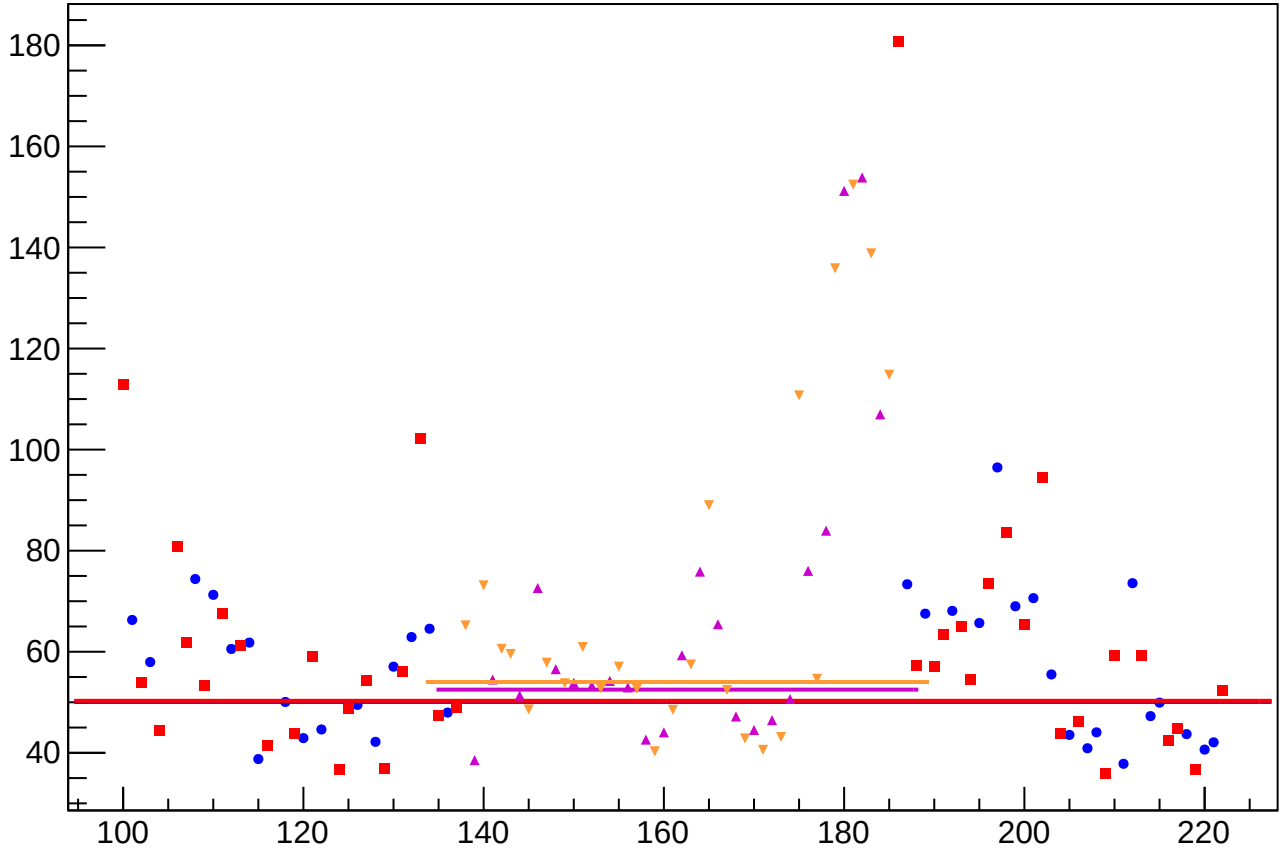
Right: 0.012+/-0.008 χ^2/NDF: 197.6/71

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.034+/-0.009 χ^2/NDF:159.3/62

All: 0.009+/-0.006 χ^2/NDF: 261.7/119

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.084+/-0.008 χ^2/NDF: 2057279.4/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.291+/-0.008 χ^2/NDF: 2650389.8/37

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

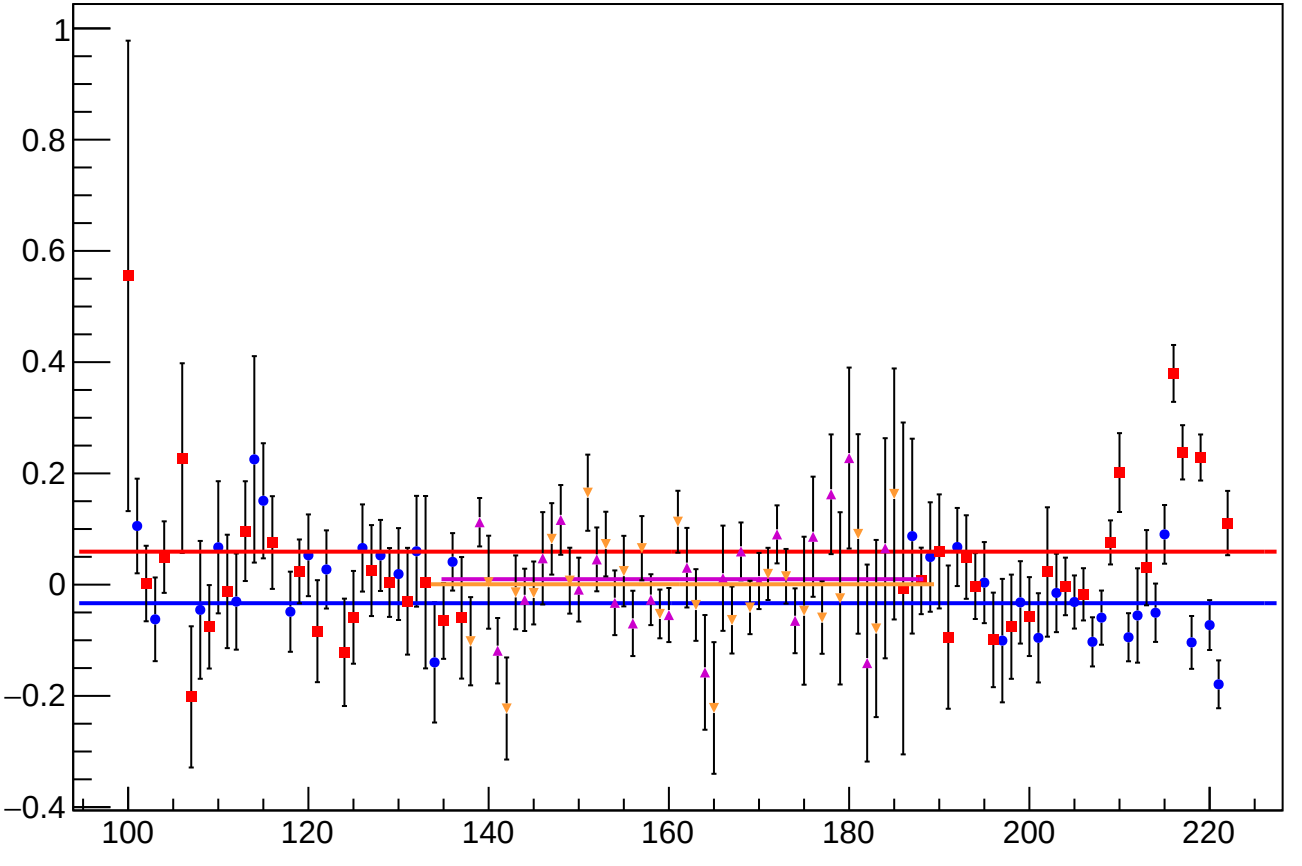
Right: 50.186+/-0.006 χ^2/NDF: 4707997.6/71

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.883+/-0.006 χ^2/NDF:5968532.2/62

All: 51.493+/-0.004 χ^2/NDF: 10630288.8/119

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: 0.059+/-0.011 χ^2/NDF: 116.4/37

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

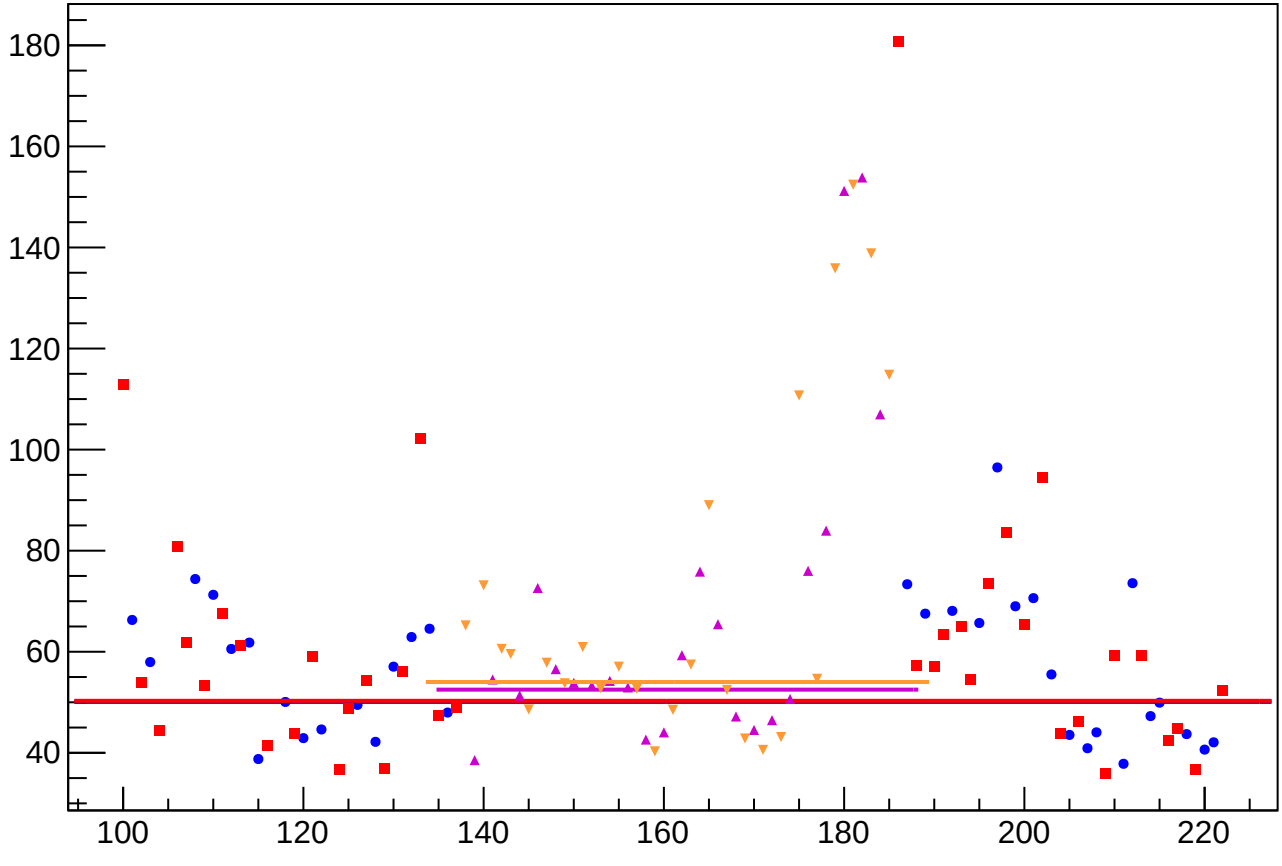
Right: 0.012+/-0.008 χ^2/NDF: 197.6/71

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.034+/-0.009 χ^2/NDF:159.3/62

All: 0.009+/-0.006 χ^2/NDF: 261.7/119

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: 50.291+/-0.008 χ^2/NDF: 2650389.8/37

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

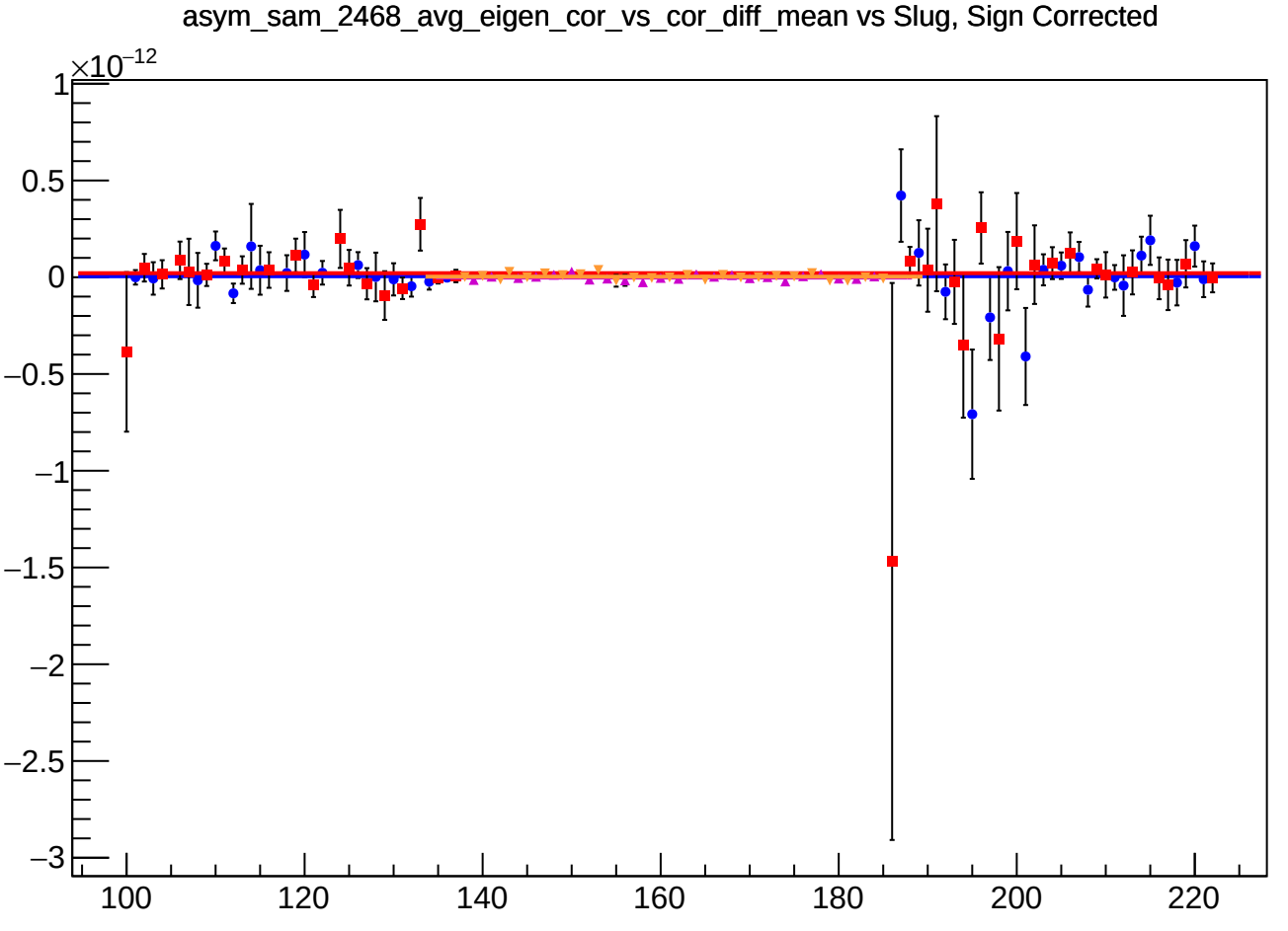
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 50.186+/-0.006 χ^2/NDF: 4707997.6/71

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.883+/-0.006 χ^2/NDF:5968532.2/62

All: 51.493+/-0.004 χ^2/NDF: 10630288.8/119



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: 22.6/37

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

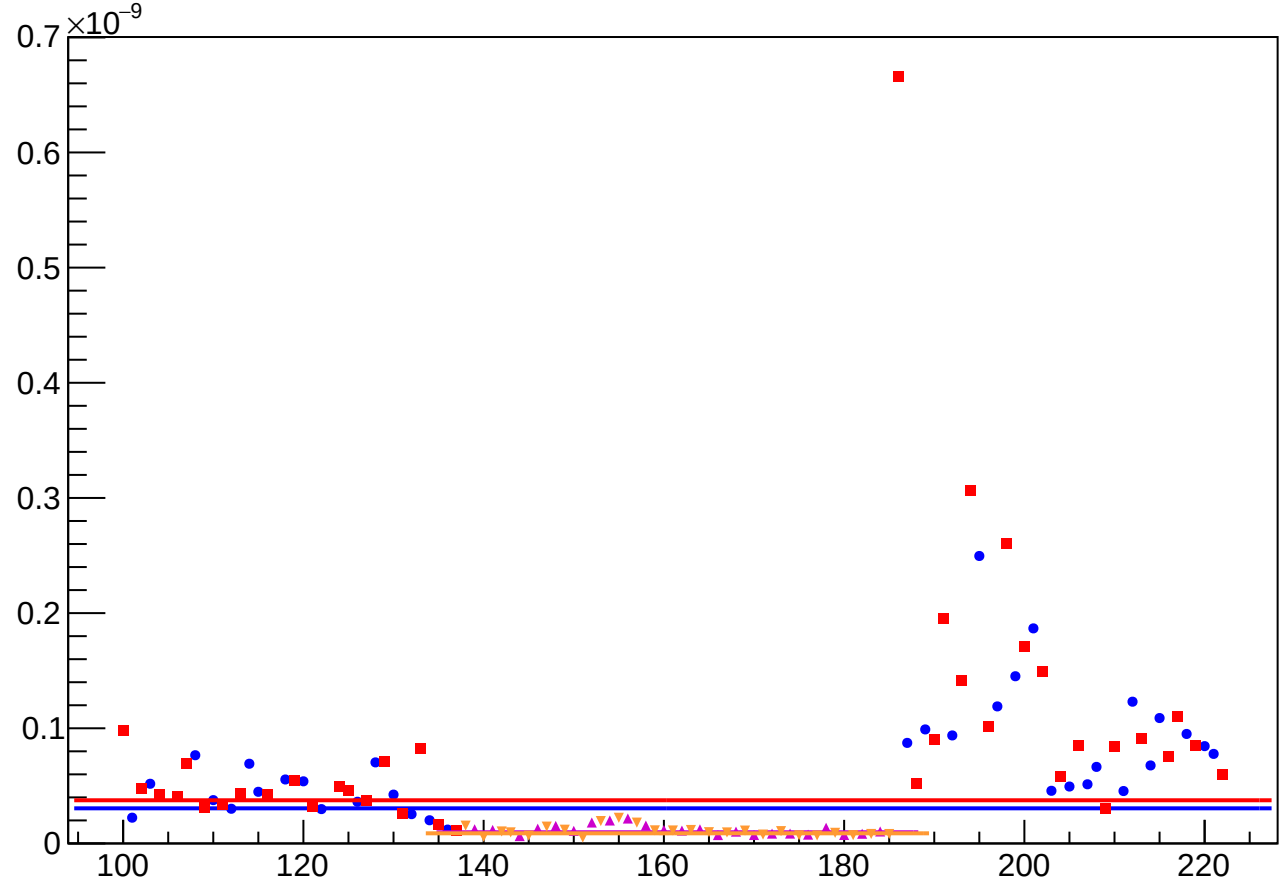
Right: 0.000+/-0.000 χ^2/NDF: 55.9/71

In: -0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:46.4/62

All: 0.000+/-0.000 χ^2/NDF: 96.1/119

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: 10372764.3/37

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

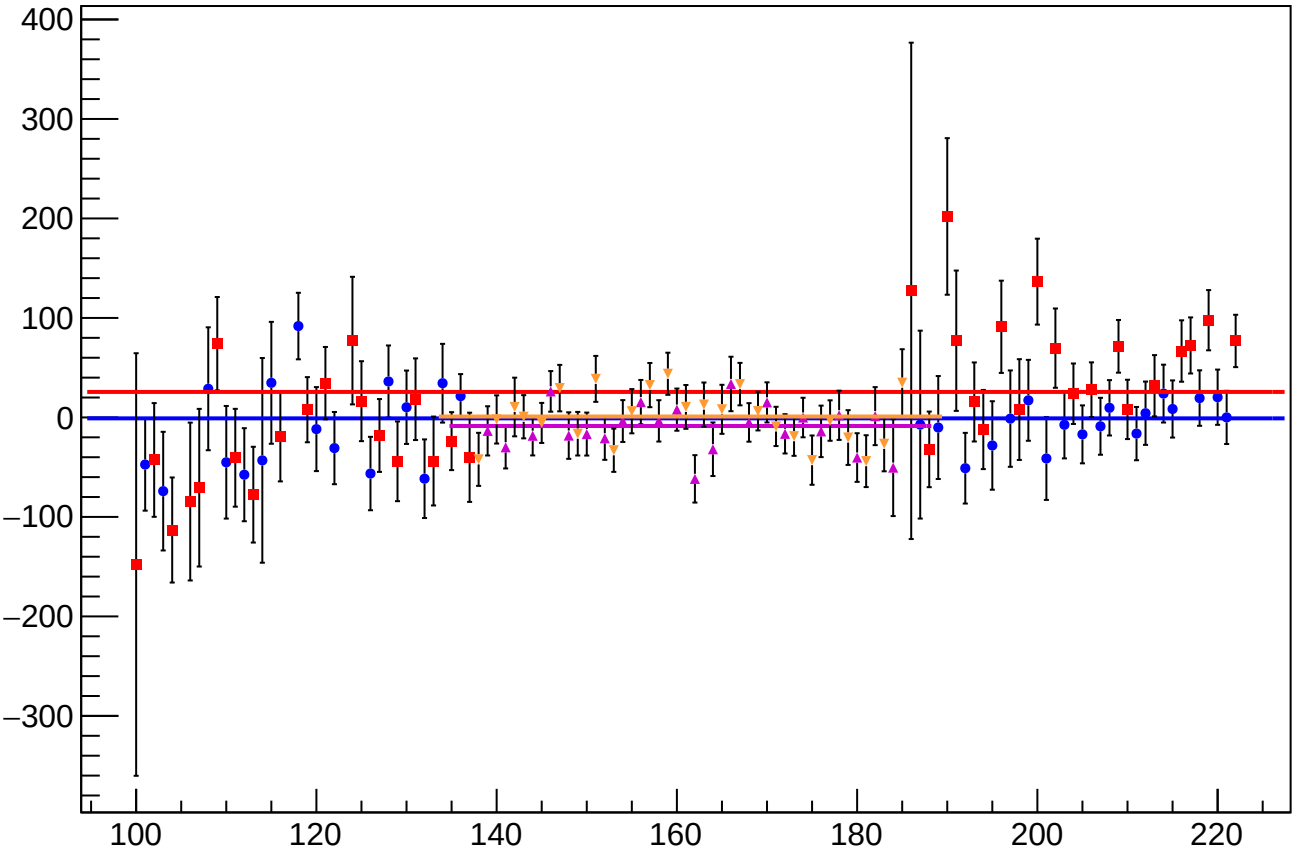
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21993145.6/71

In: 0.000+/-0.000 χ^2/NDF:20457772.6/56

Out: 0.000+/-0.000 χ^2/NDF:22771619.9/62

All: 0.000+/-0.000 χ^2/NDF: 43393806.7/119



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: 25.630+/-6.363 χ^2/NDF: 70.2/37

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

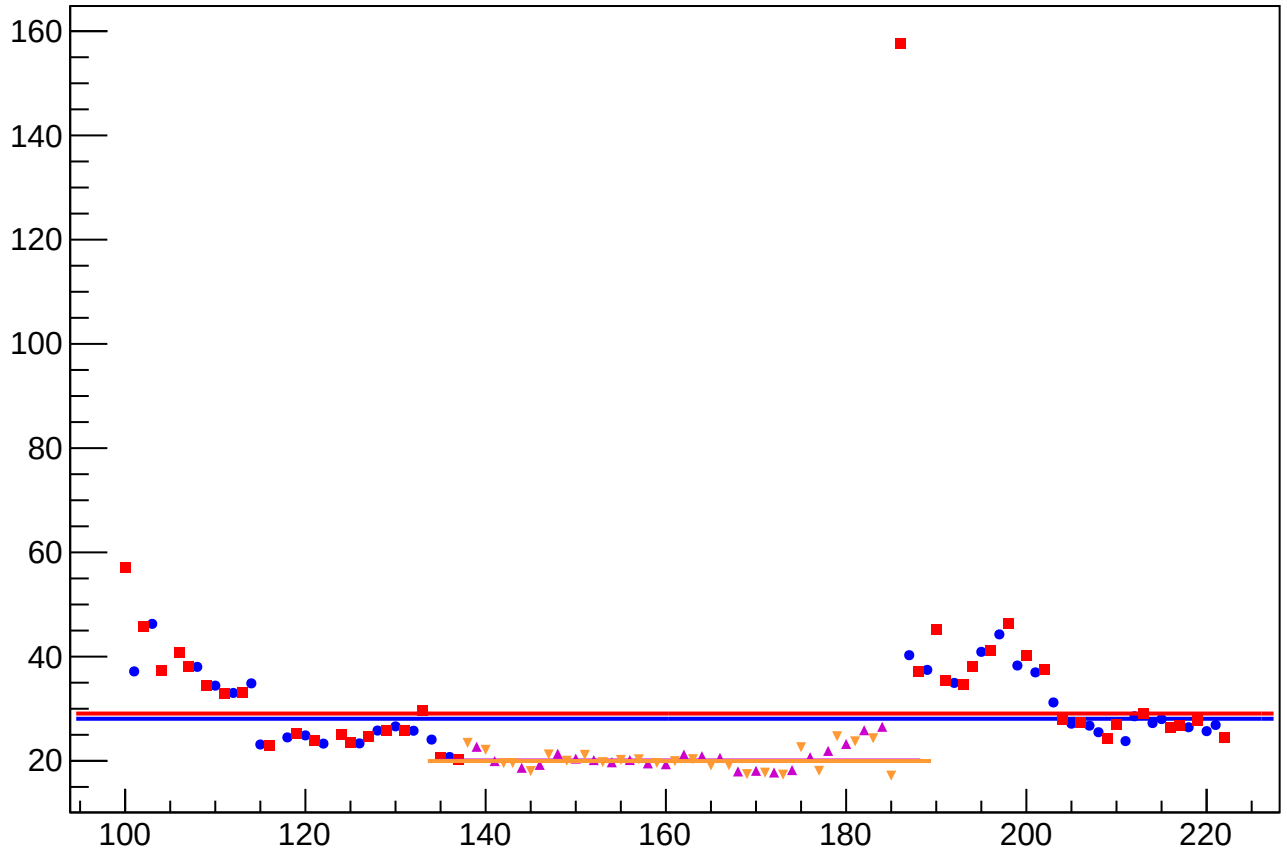
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 11.847+/-4.414 χ^2/NDF: 107.0/71

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 9.336+/-3.714 χ^2/NDF:109.3/62

All: 1.851+/-2.636 χ^2/NDF: 165.6/119



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: 29.081+/-0.004 χ^2/NDF: 2460744.4/37

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

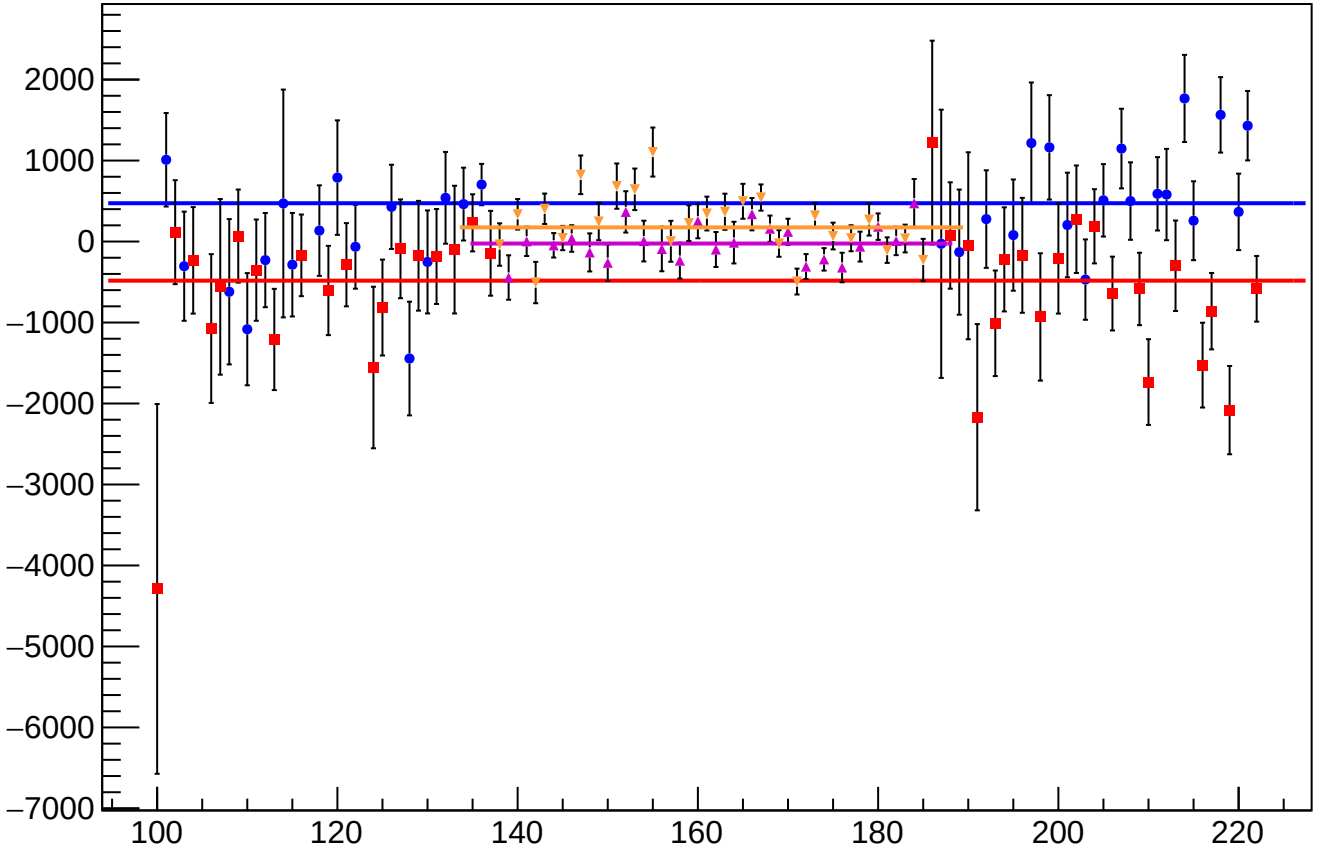
Right: 28.560+/-0.003 χ^2/NDF: 4131453.5/71

In: 23.056+/-0.003 χ^2/NDF:4087259.6/56

Out: 23.073+/-0.003 χ^2/NDF:5551575.2/62

All: 23.064+/-0.002 χ^2/NDF: 9638855.8/119

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



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: -483.120+/-96.557 χ^2/NDF: 43.2/37

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

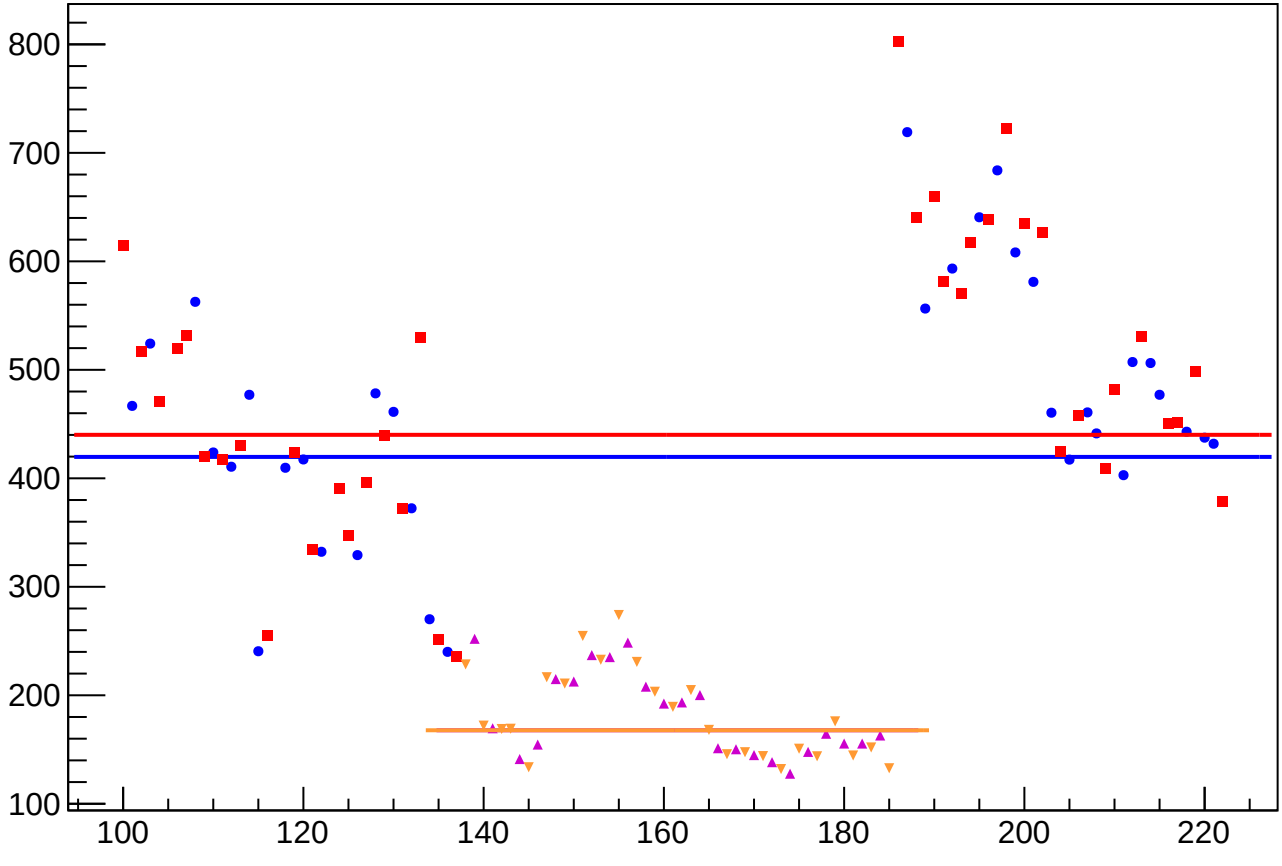
Right: 14.268+/-66.887 χ^2/NDF: 142.6/71

In: 53.707+/-36.784 χ^2/NDF:99.5/56

Out: 82.230+/-36.201 χ^2/NDF:154.3/62

All: 68.196+/-25.801 χ^2/NDF: 254.1/119

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: 440.084+/-0.068 χ^2/NDF: 3002531.6/37

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

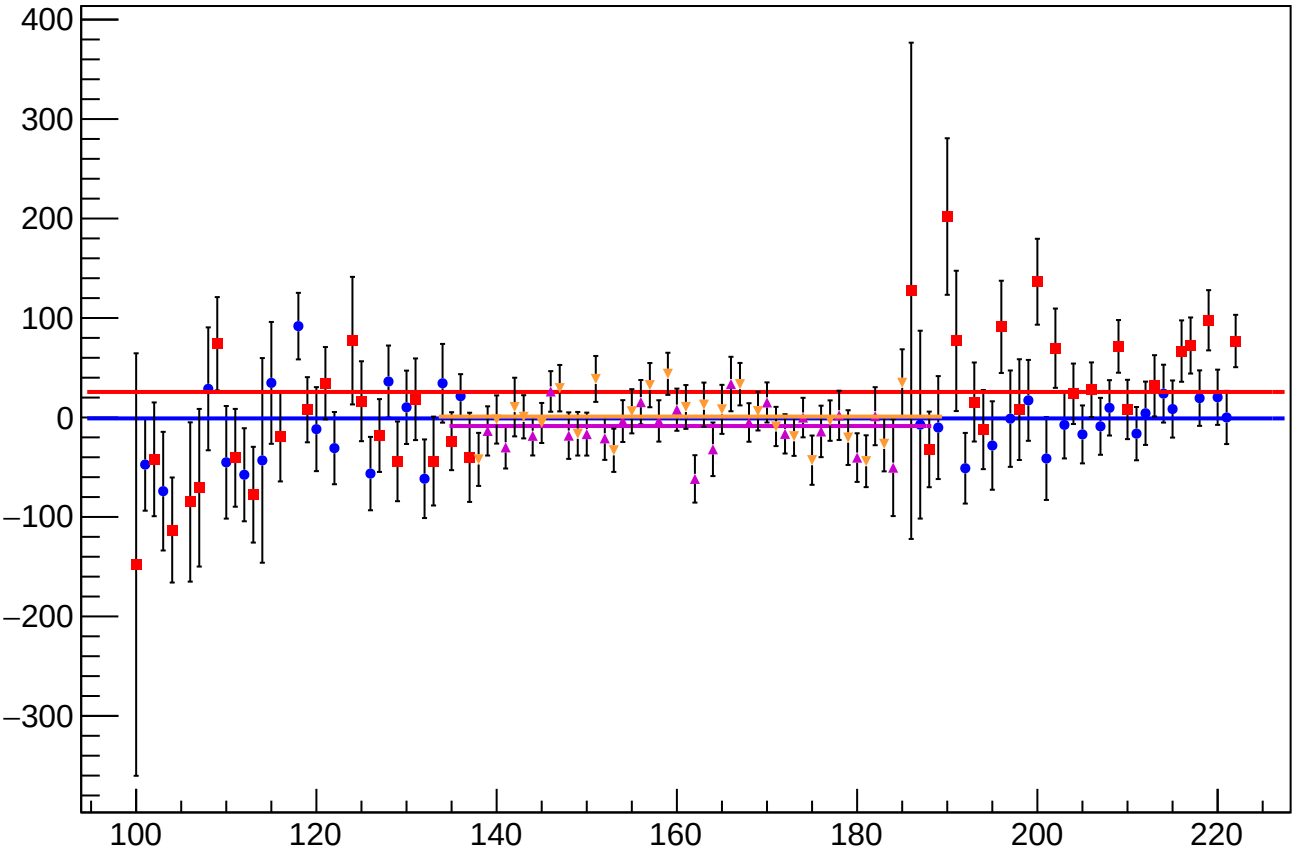
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 429.495+/-0.047 χ^2/NDF: 5905965.8/71

In: 207.386+/-0.026 χ^2/NDF:16701453.8/56

Out: 206.033+/-0.026 χ^2/NDF:18253742.5/62

All: 206.699+/-0.018 χ^2/NDF: 34956570.9/11



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: 25.650+/-6.364 χ^2/NDF: 70.1/37

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

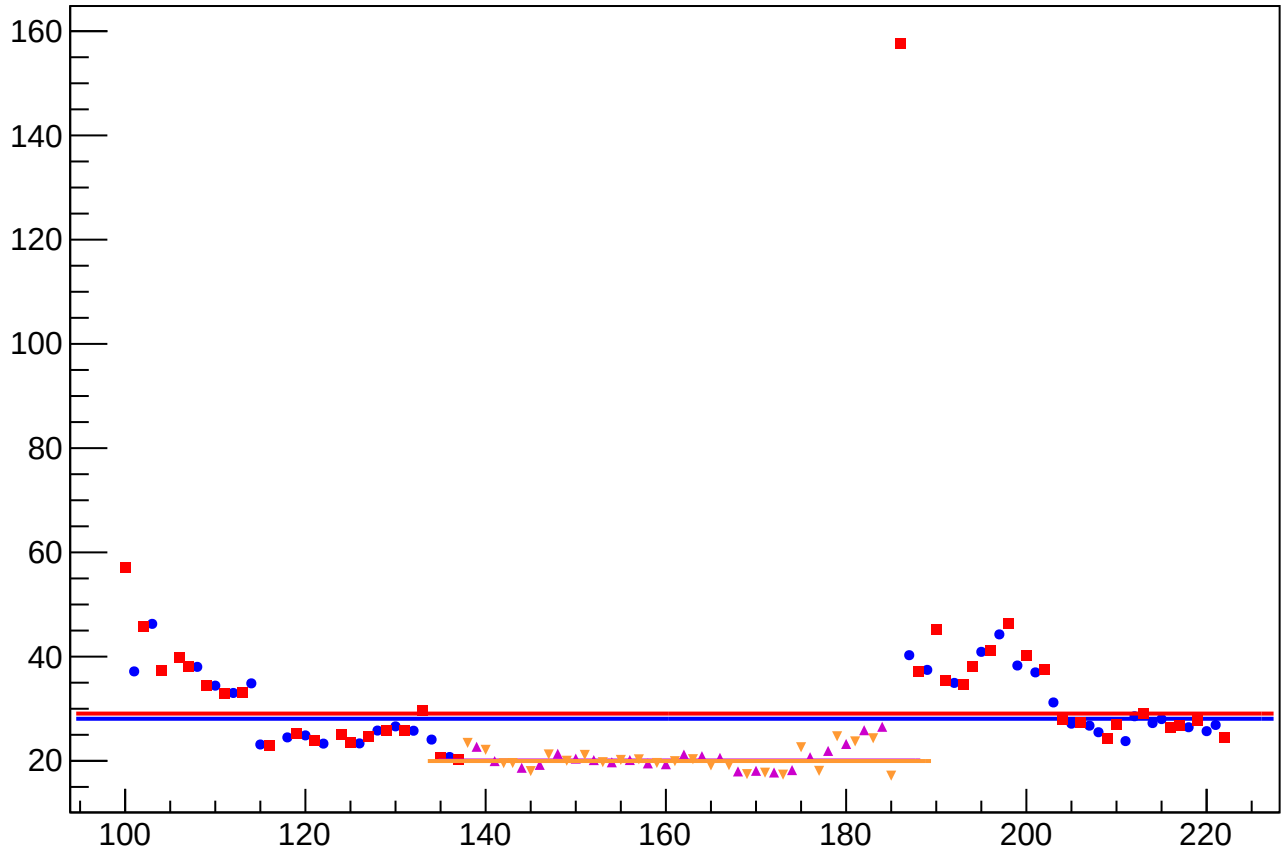
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 11.857+/-4.414 χ^2/NDF: 106.9/71

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 9.341+/-3.714 χ^2/NDF:109.3/62

All: 1.853+/-2.636 χ^2/NDF: 165.6/119



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: 29.073+/-0.004 χ^2/NDF: 2452591.0/37

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

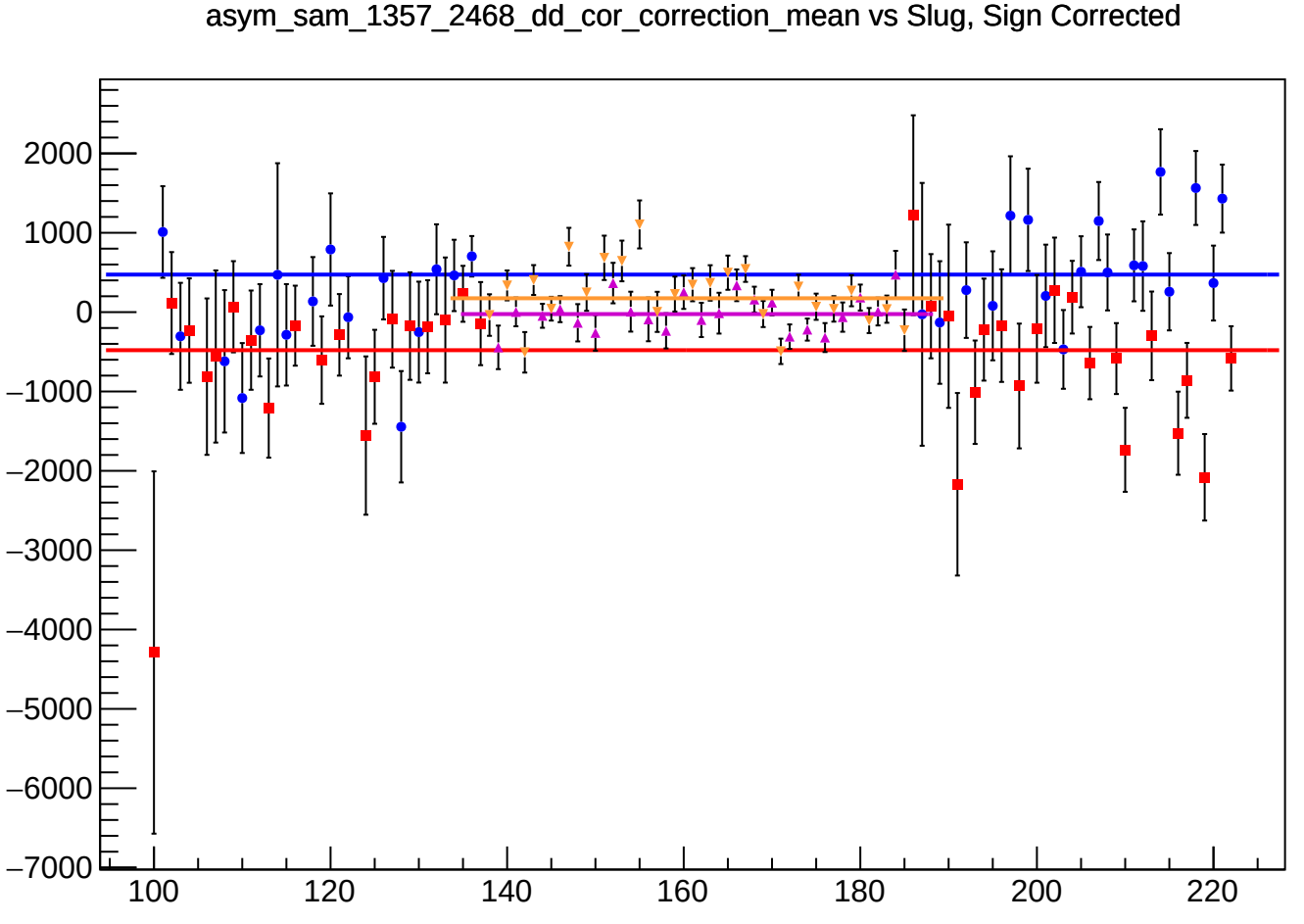
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.556+/-0.003 χ^2/NDF: 4122883.4/71

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.070+/-0.003 χ^2/NDF:5538348.7/62

All: 23.063+/-0.002 χ^2/NDF: 9625625.9/119



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: -479.797+/-96.629 χ^2/NDF: 42.8/37

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

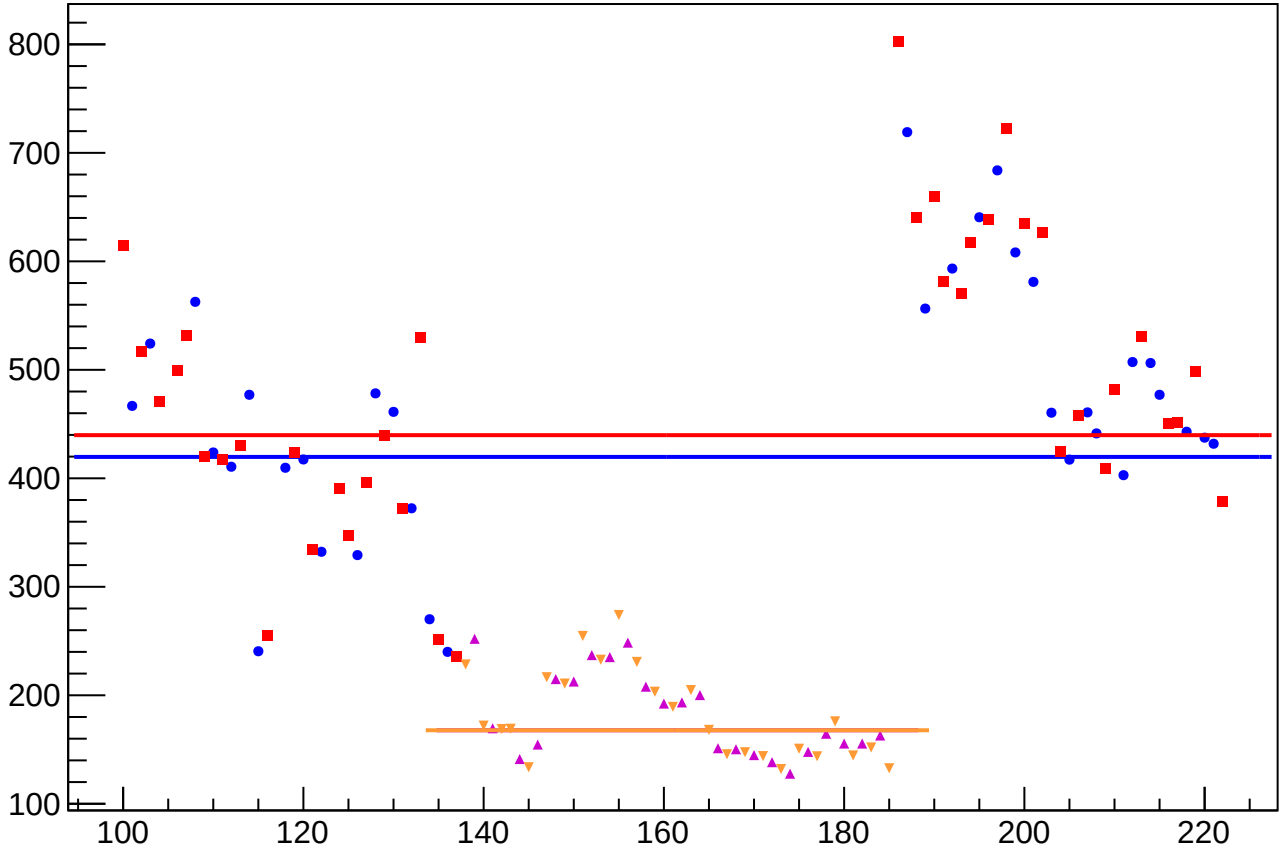
Right: 16.213+/-66.911 χ^2/NDF: 141.9/71

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 82.812+/-36.205 χ^2/NDF:153.5/62

All: 68.490+/-25.803 χ^2/NDF: 253.4/119

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: 439.776+/-0.068 χ^2/NDF: 2994849.6/37

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

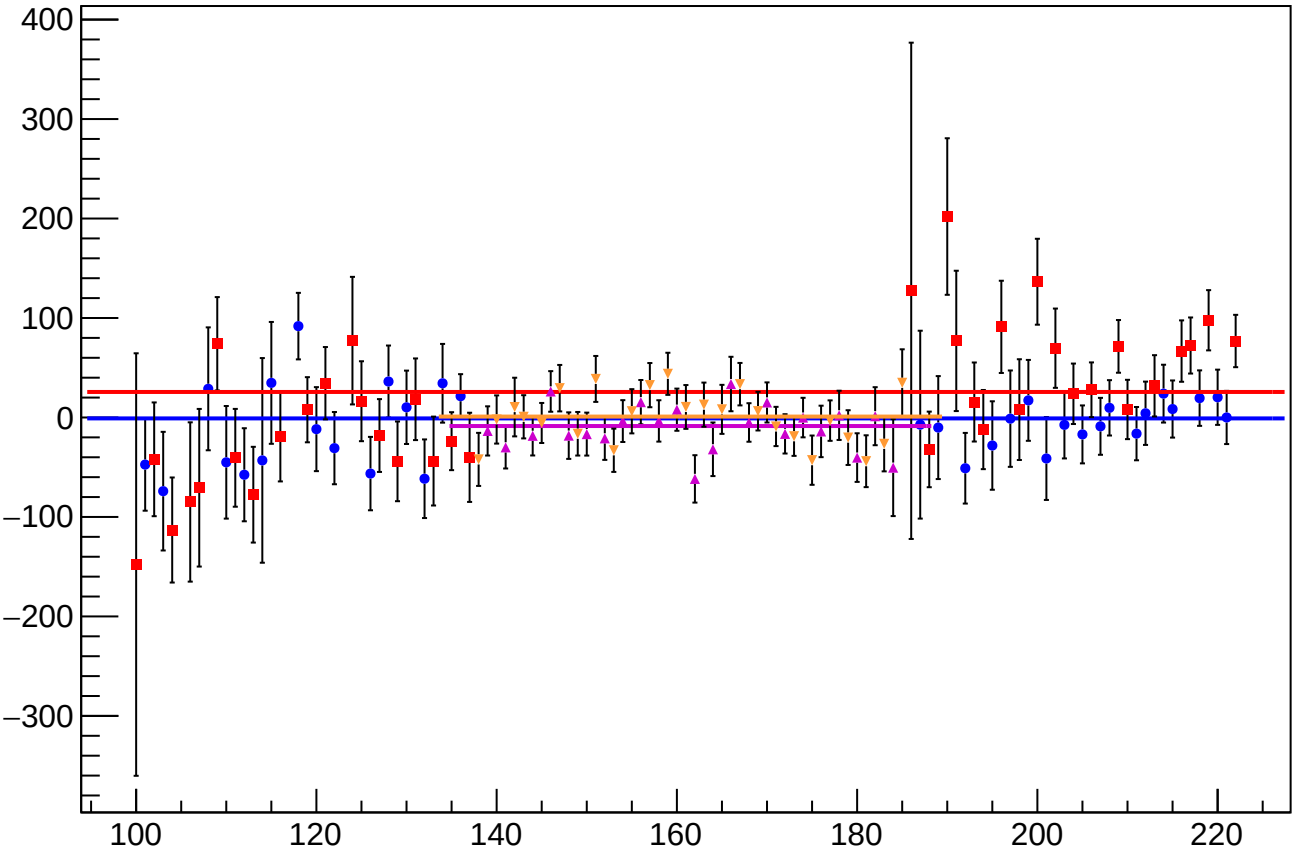
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 429.340+/-0.047 χ^2/NDF: 5896886.2/71

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 205.941+/-0.026 χ^2/NDF:18197889.4/62

All: 206.652+/-0.018 χ^2/NDF: 34900922.5/11



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: 25.650+/-6.364 χ^2/NDF: 70.1/37

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

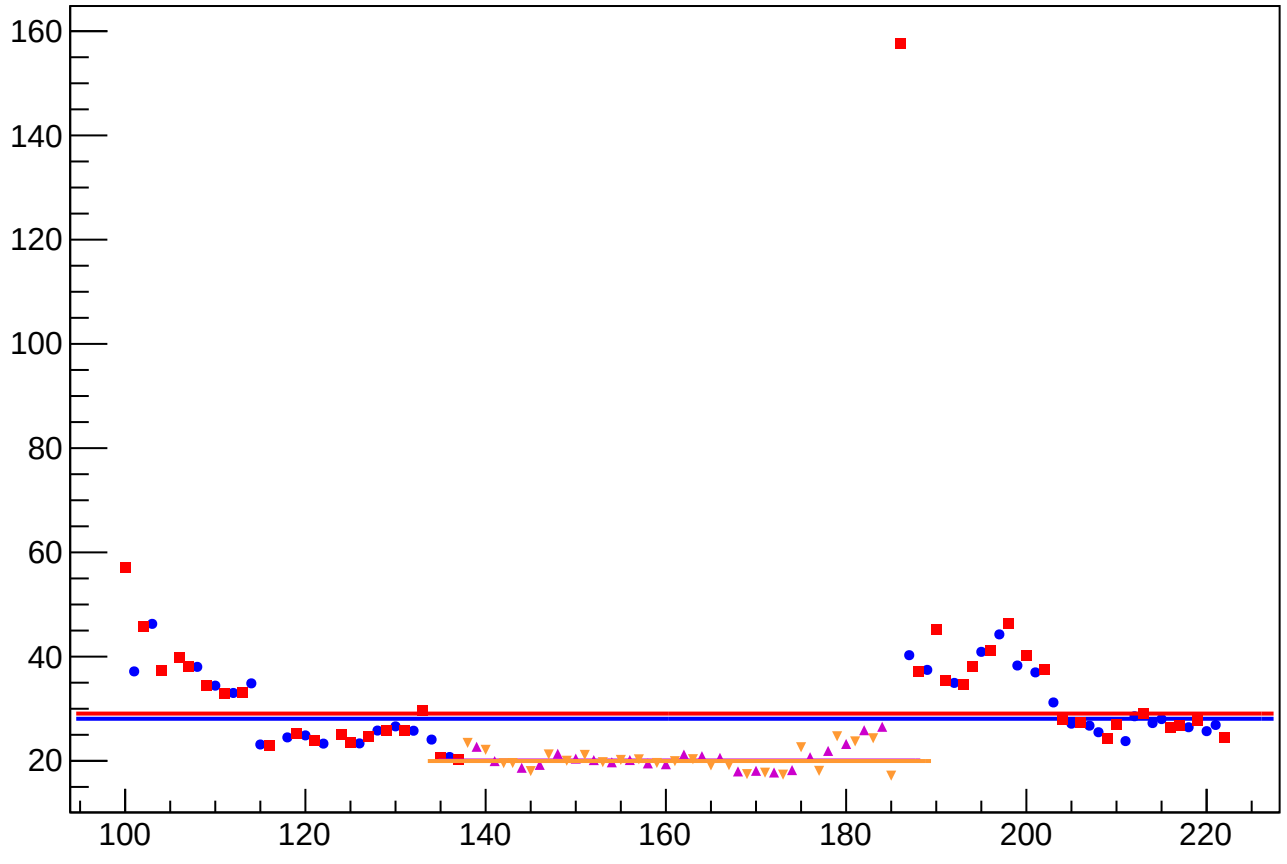
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 11.857+/-4.414 χ^2/NDF: 106.9/71

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 9.341+/-3.714 χ^2/NDF:109.3/62

All: 1.853+/-2.636 χ^2/NDF: 165.6/119



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: 29.073+/-0.004 χ^2/NDF: 2452591.0/37

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

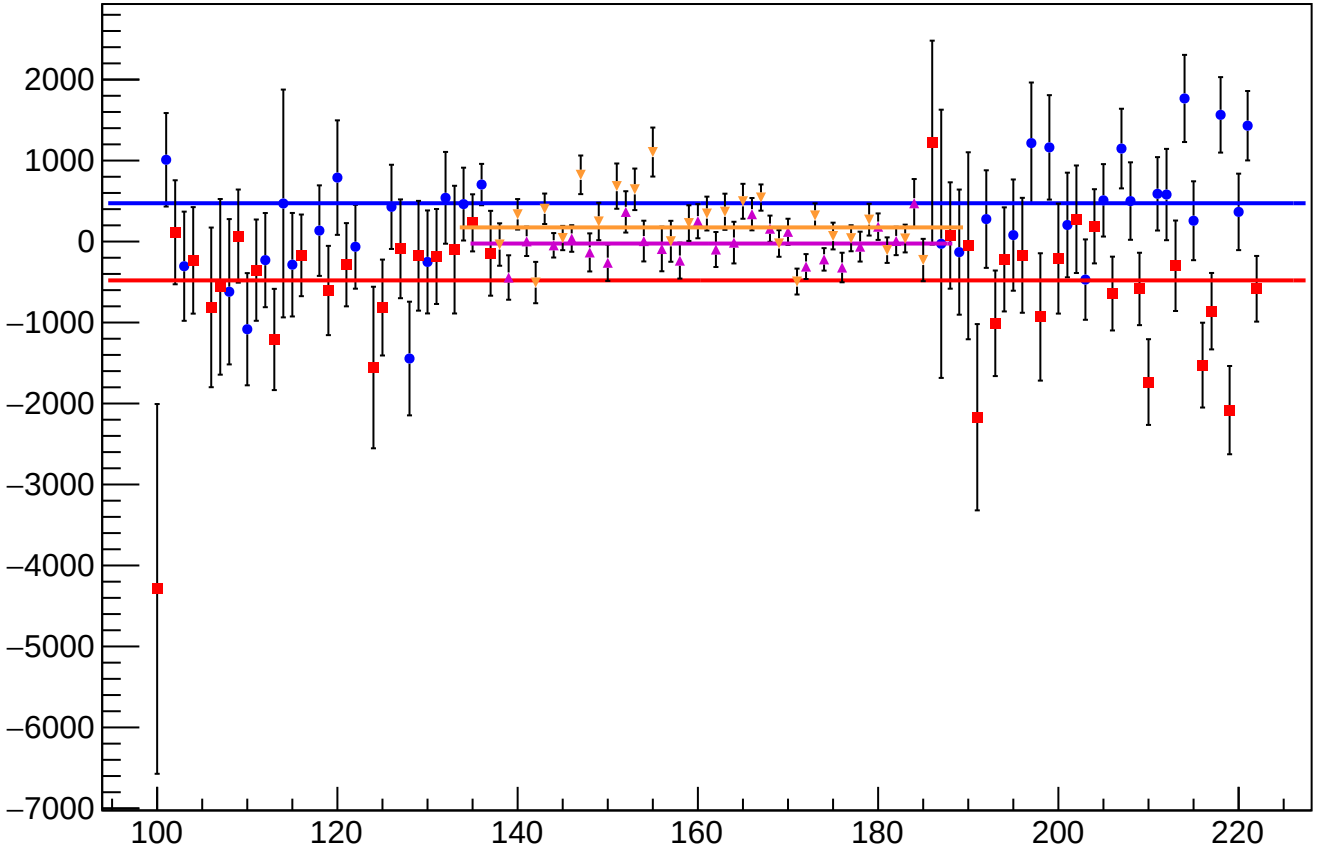
Right: 28.556+/-0.003 χ^2/NDF: 4122883.4/71

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.070+/-0.003 χ^2/NDF:5538348.7/62

All: 23.063+/-0.002 χ^2/NDF: 9625625.9/119

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 473.136+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -479.797+/-96.629 χ^2/NDF: 42.8/37

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

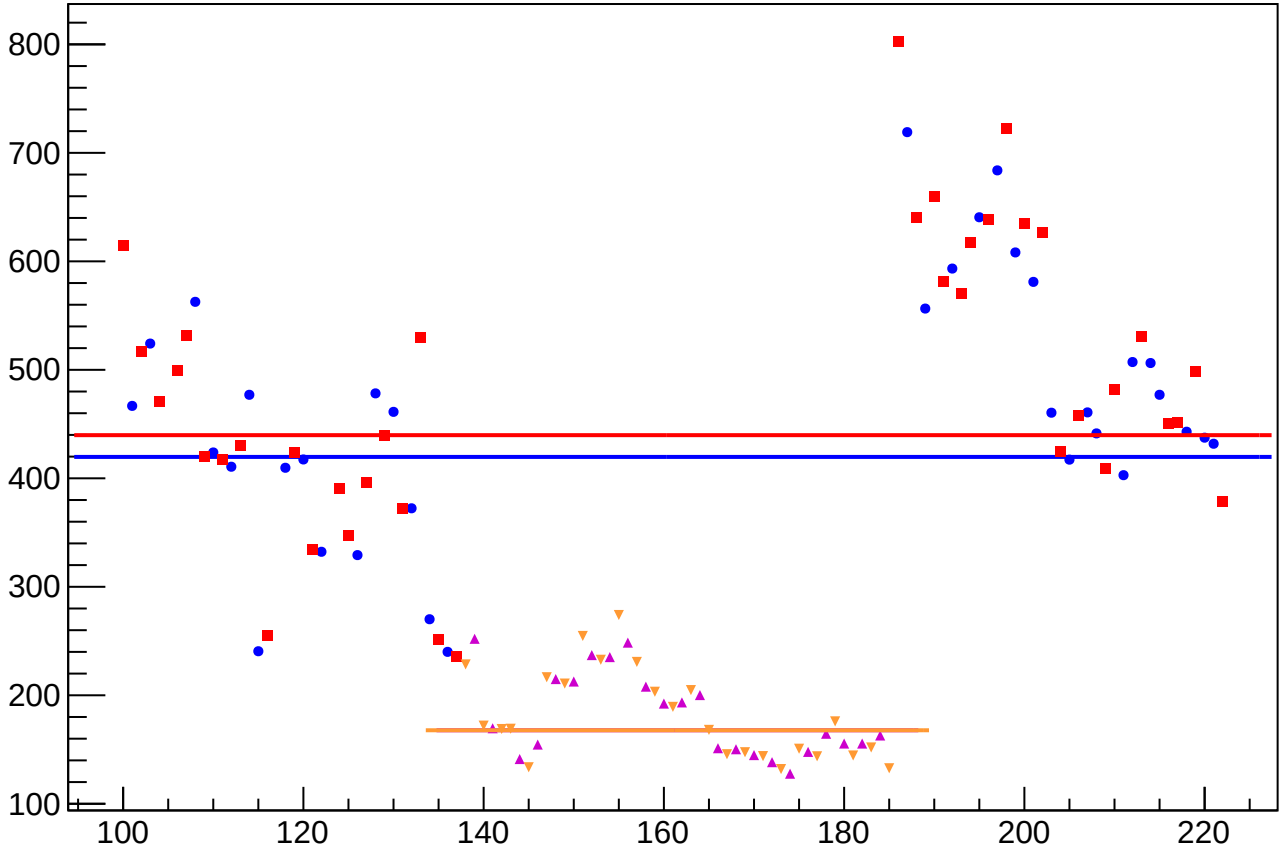
Right: 16.213+/-66.911 χ^2/NDF: 141.9/71

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 82.812+/-36.205 χ^2/NDF:153.5/62

All: 68.490+/-25.803 χ^2/NDF: 253.4/119

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: 439.776+/-0.068 χ^2/NDF: 2994849.6/37

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

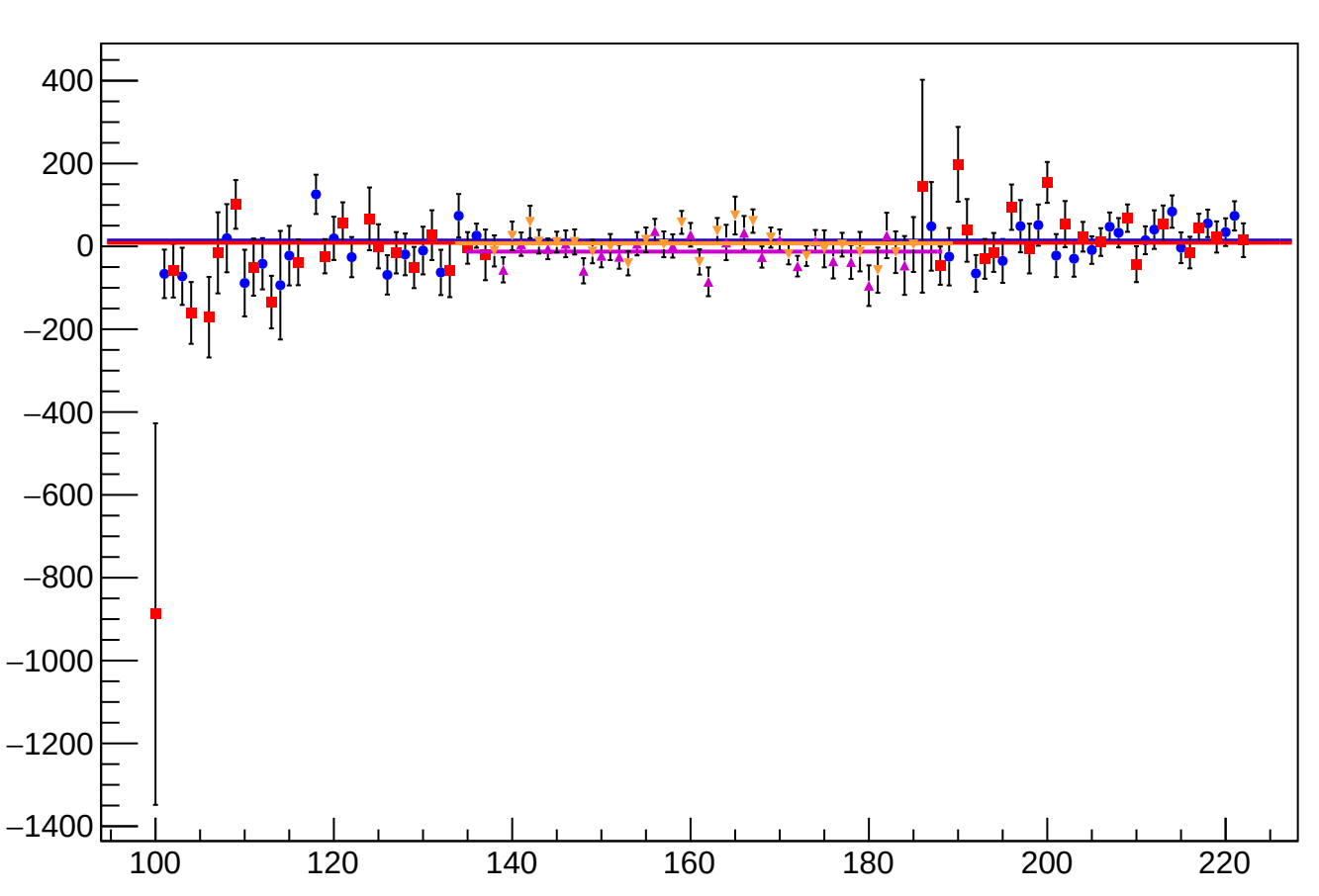
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 429.340+/-0.047 χ^2/NDF: 5896886.2/71

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 205.941+/-0.026 χ^2/NDF:18197889.4/62

All: 206.652+/-0.018 χ^2/NDF: 34900922.5/11



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: 8.836+/-8.186 χ^2/NDF: 54.2/37

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

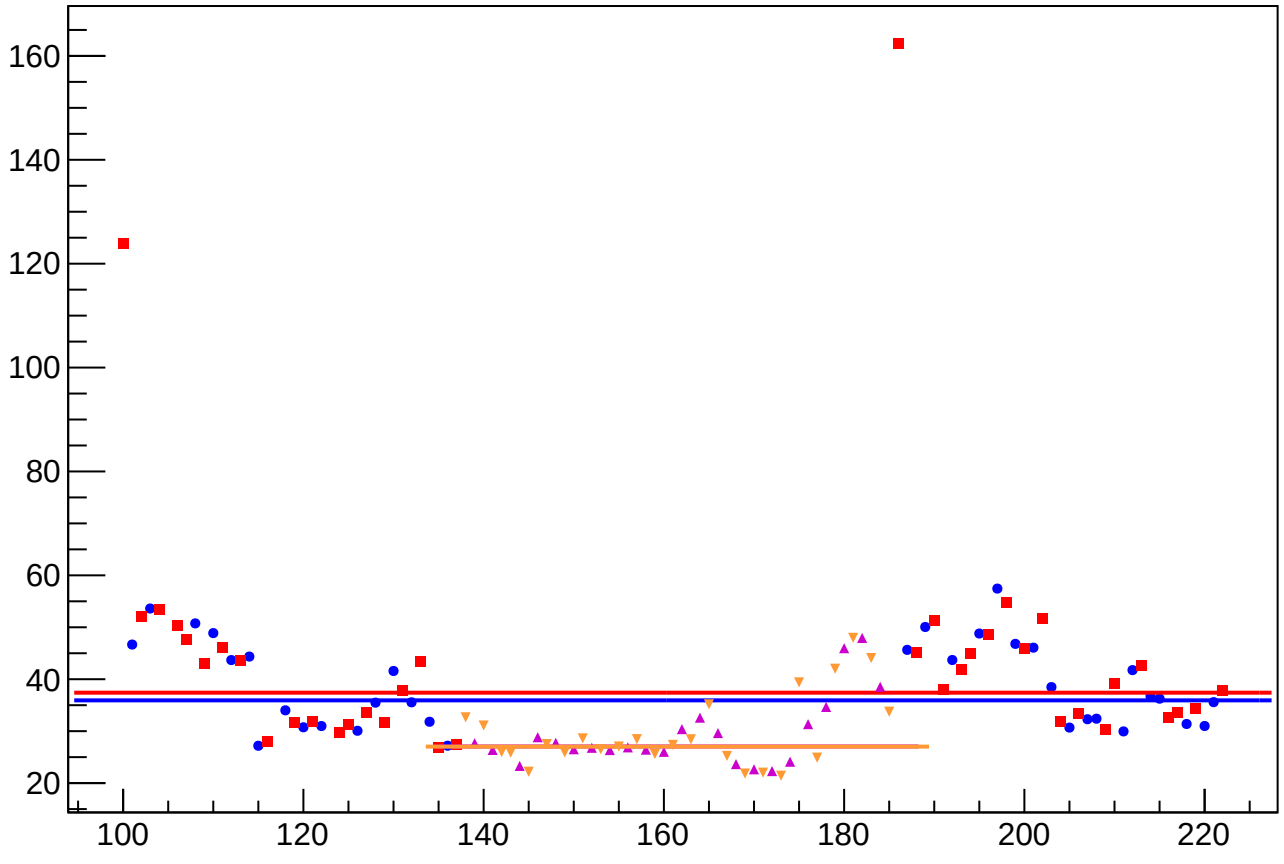
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 11.495+/-5.674 χ^2/NDF: 91.6/71

In: -1.863+/-5.018 χ^2/NDF:69.6/56

Out: 7.737+/-5.009 χ^2/NDF:76.9/62

All: 2.945+/-3.545 χ^2/NDF: 148.4/119



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: 37.408+/-0.006 χ^2/NDF: 2175566.9/37

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

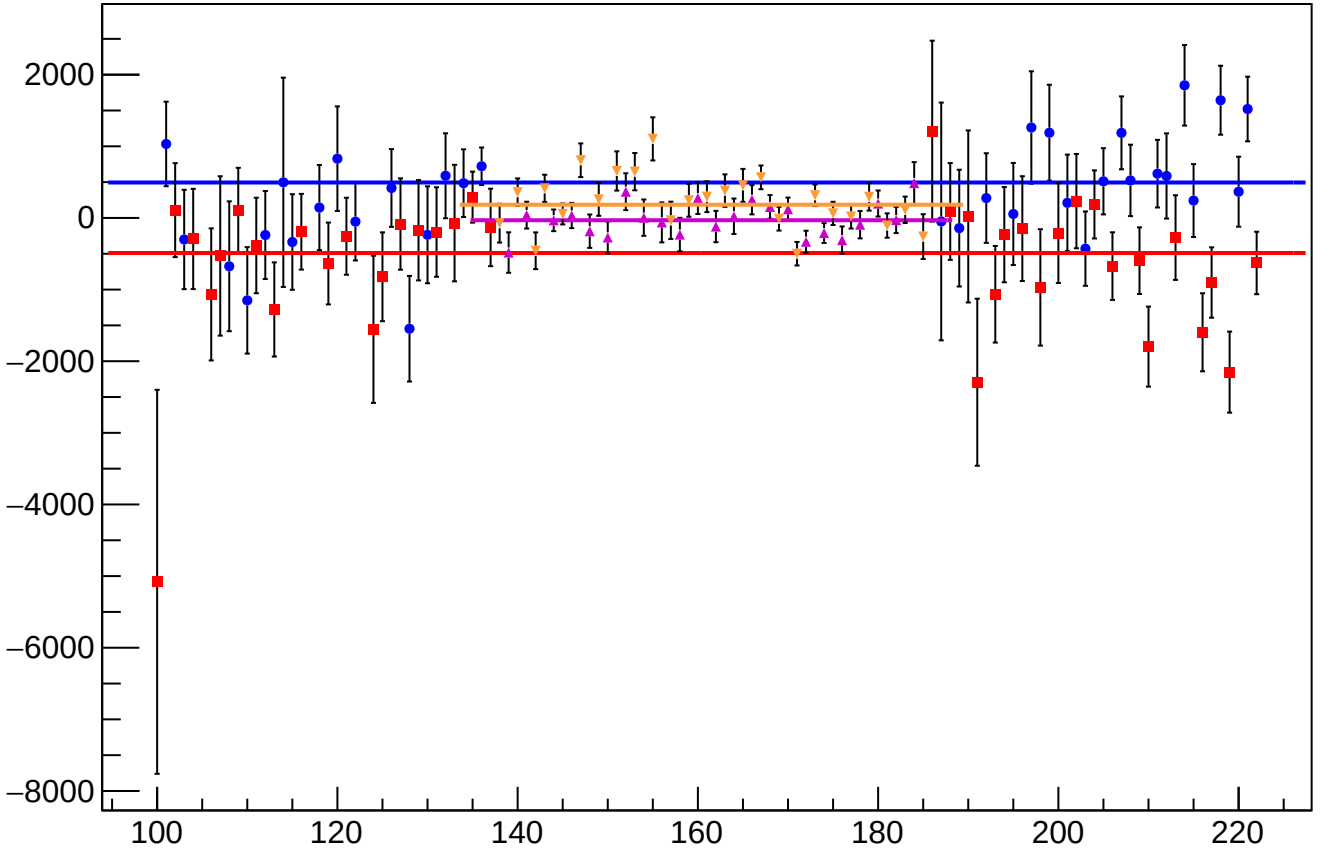
Right: 36.640+/-0.004 χ^2/NDF: 3838498.8/71

In: 30.661+/-0.004 χ^2/NDF:4184033.0/56

Out: 30.913+/-0.004 χ^2/NDF:5618207.1/62

All: 30.787+/-0.003 χ^2/NDF: 9804765.5/119

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: -489.253+/-100.340 χ^2/NDF: 44.3/37

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

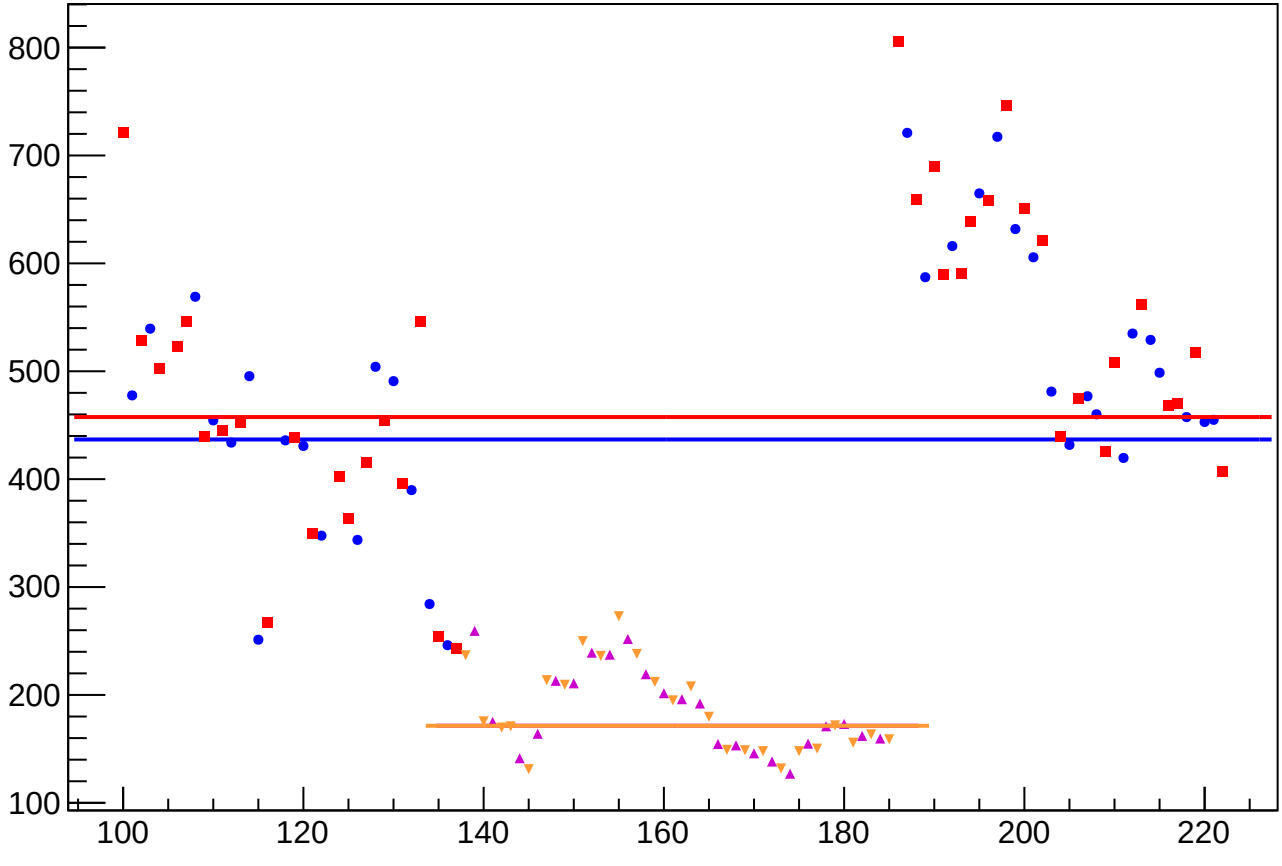
Right: 21.758+/-69.571 χ^2/NDF: 142.7/71

In: 48.507+/-37.718 χ^2/NDF:100.0/56

Out: 92.931+/-37.022 χ^2/NDF:150.9/62

All: 71.133+/-26.421 χ^2/NDF: 251.7/119

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: 457.576+/-0.071 χ^2/NDF: 2970625.5/37

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

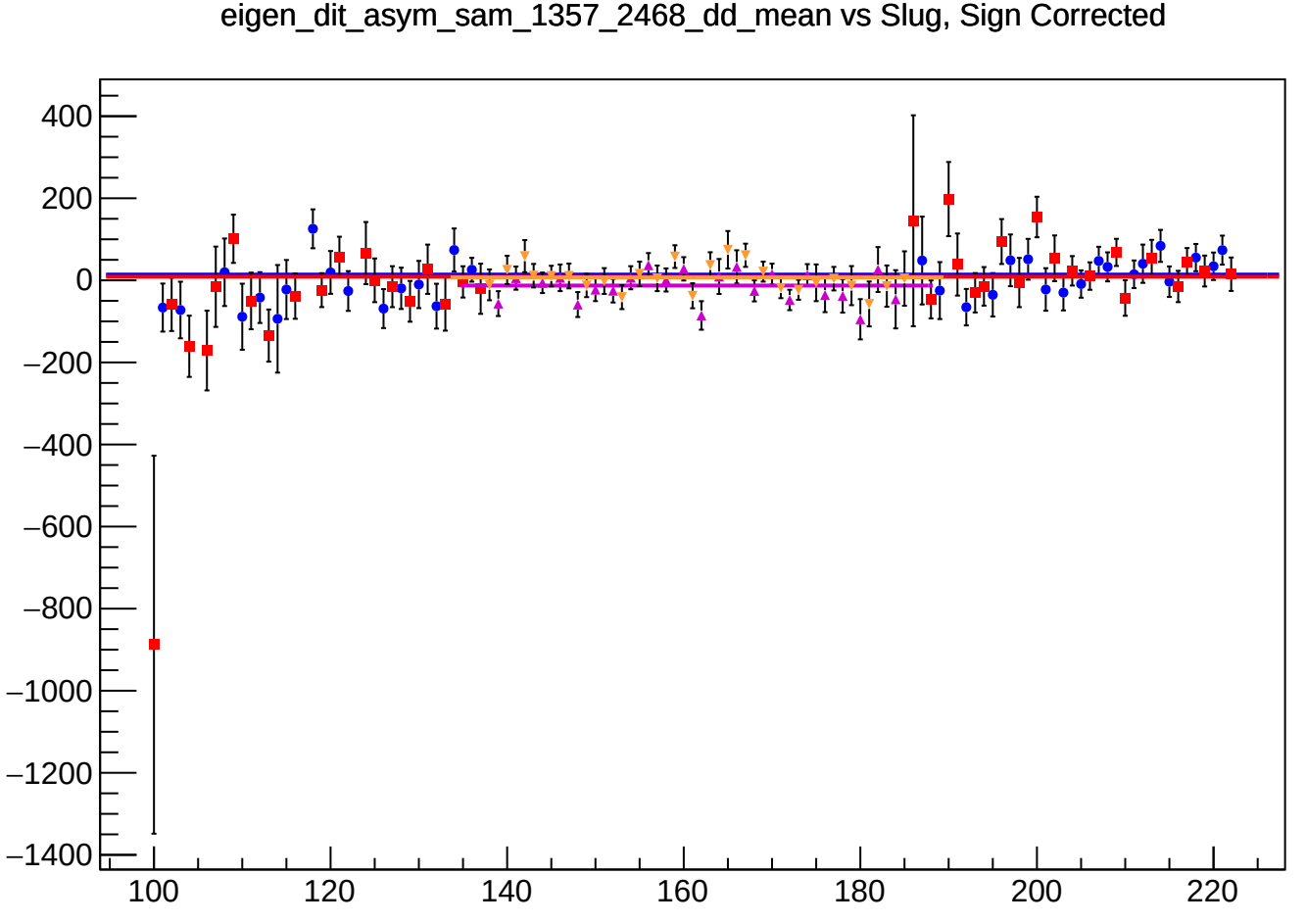
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 446.779+/-0.049 χ^2/NDF: 5924537.8/71

In: 211.982+/-0.027 χ^2/NDF:17121589.8/56

Out: 210.381+/-0.026 χ^2/NDF:18548769.5/62

All: 211.167+/-0.019 χ^2/NDF: 35672194.0/11



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: 8.836+/-8.186 χ^2/NDF: 54.2/37

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

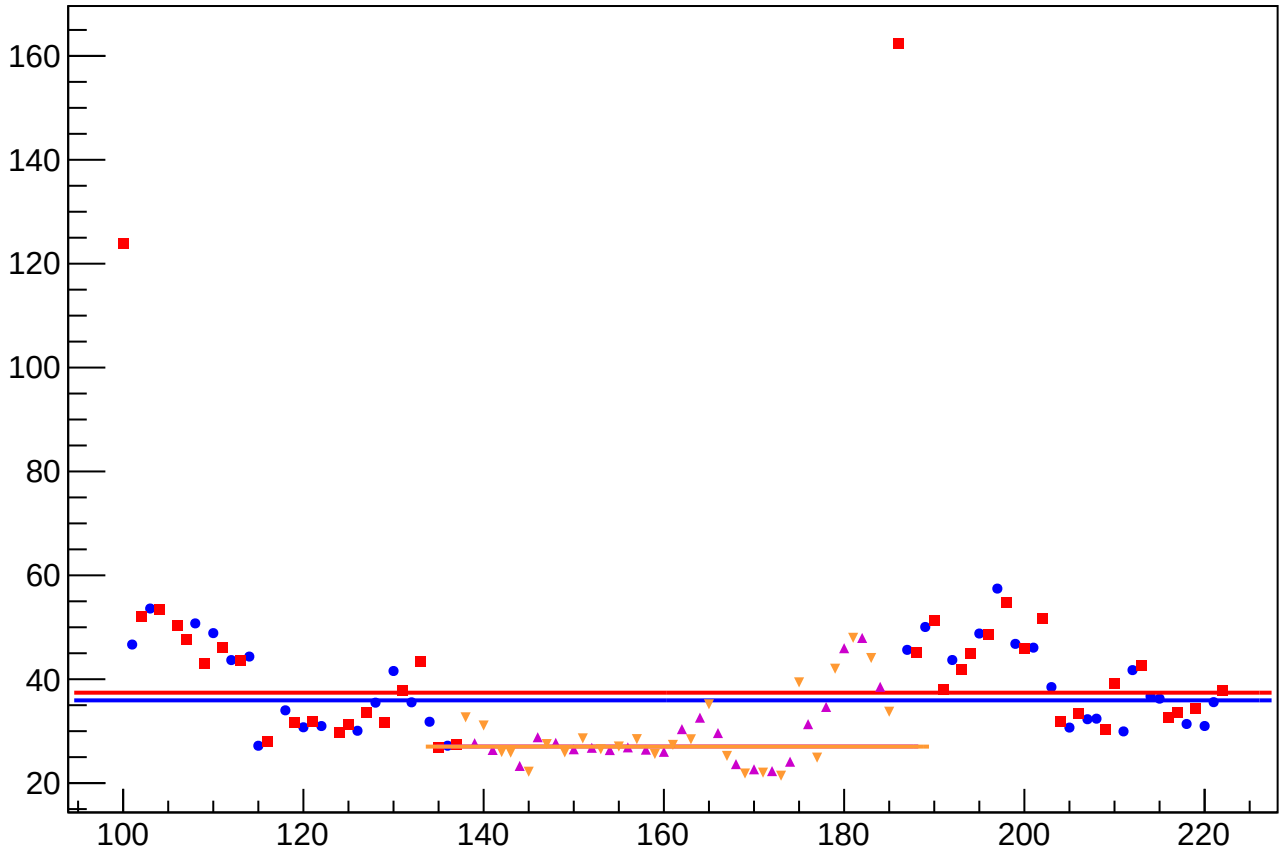
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 11.495+/-5.674 χ^2/NDF: 91.6/71

In: -1.864+/-5.018 χ^2/NDF:69.6/56

Out: 7.737+/-5.009 χ^2/NDF:76.9/62

All: 2.945+/-3.545 χ^2/NDF: 148.4/119



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: 37.408+/-0.006 χ^2/NDF: 2175540.7/37

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

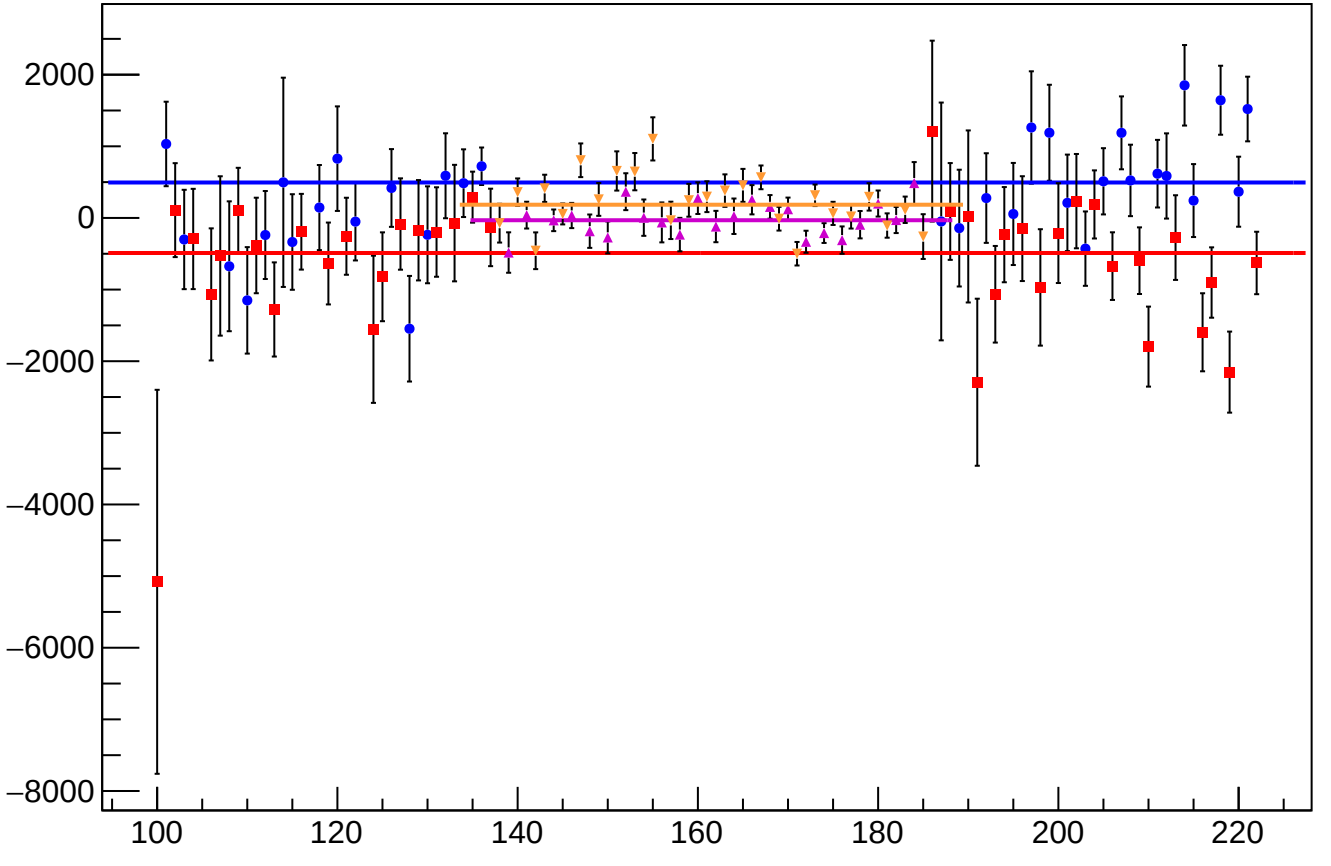
Right: 36.640+/-0.004 χ^2/NDF: 3838489.8/71

In: 30.661+/-0.004 χ^2/NDF:4183888.4/56

Out: 30.913+/-0.004 χ^2/NDF:5618112.8/62

All: 30.787+/-0.003 χ^2/NDF: 9804528.7/119

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 494.852+/-96.545 χ^2/NDF: 48.4/33

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -489.252+/-100.339 χ^2/NDF: 44.3/37

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

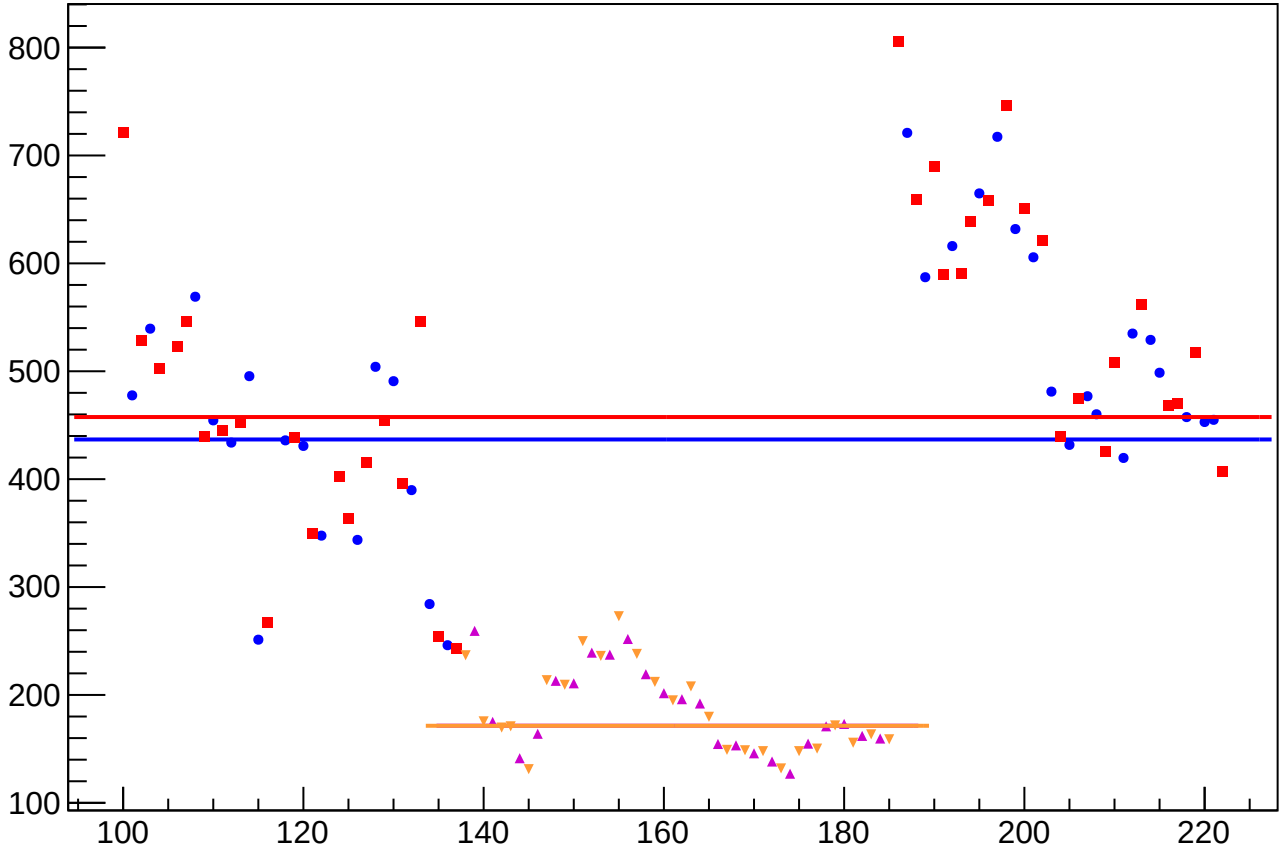
Right: 21.758+/-69.570 χ^2/NDF: 142.7/71

In: 48.506+/-37.718 χ^2/NDF:100.0/56

Out: 92.930+/-37.021 χ^2/NDF:150.9/62

All: 71.133+/-26.421 χ^2/NDF: 251.7/119

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: 457.575+/-0.071 χ^2/NDF: 2970635.4/37

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

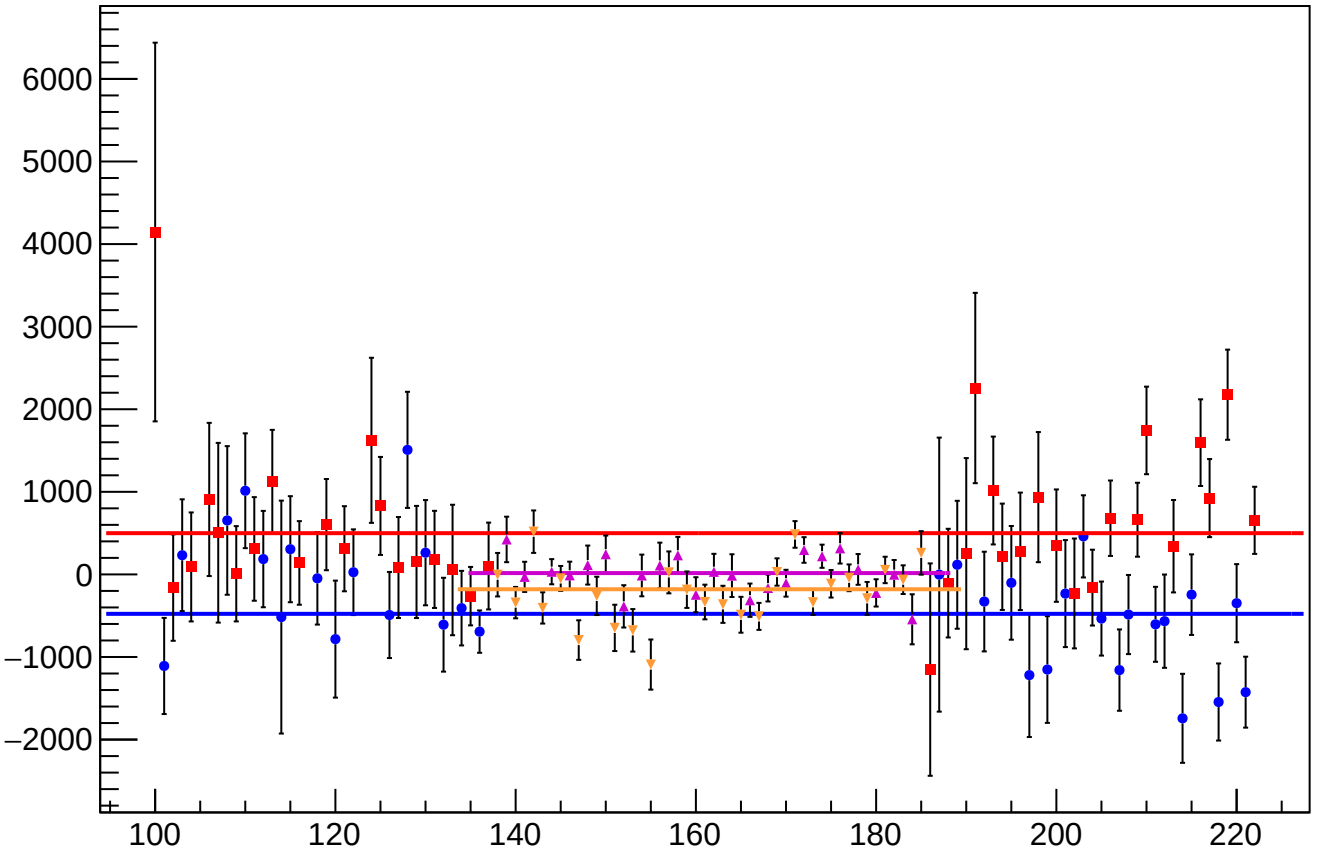
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 446.778+/-0.049 χ^2/NDF: 5924556.9/71

In: 211.981+/-0.027 χ^2/NDF:17121645.9/56

Out: 210.381+/-0.026 χ^2/NDF:18548834.6/62

All: 211.166+/-0.019 χ^2/NDF: 35672315.1/11



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: 499.404+/-96.814 χ^2/NDF: 44.8/37

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

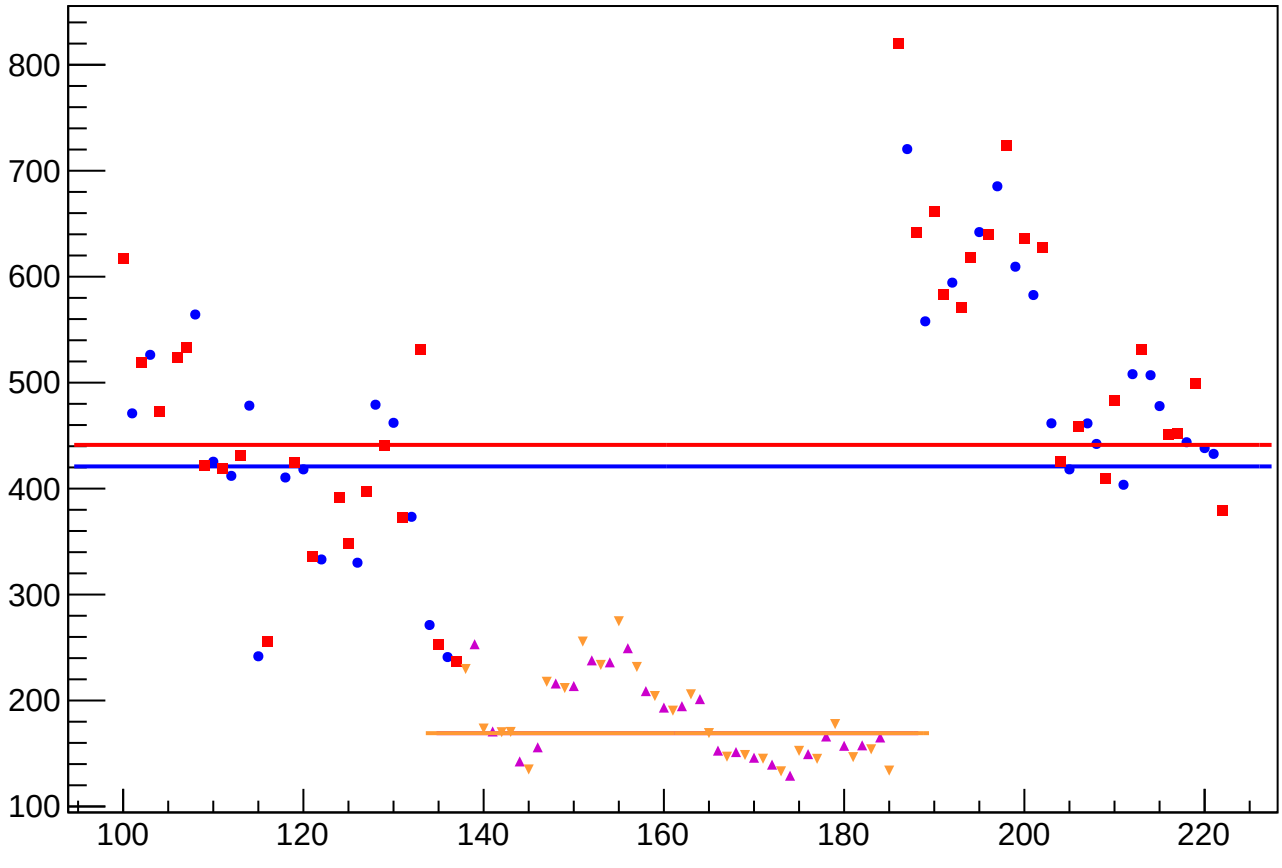
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -8.686+/-67.067 χ^2/NDF: 145.6/71

In: -62.288+/-37.051 χ^2/NDF:98.1/56

Out: -83.322+/-36.465 χ^2/NDF:154.1/62

All: -72.973+/-25.989 χ^2/NDF: 252.4/119



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: 441.250+/-0.068 χ^2/NDF: 3001679.7/37

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

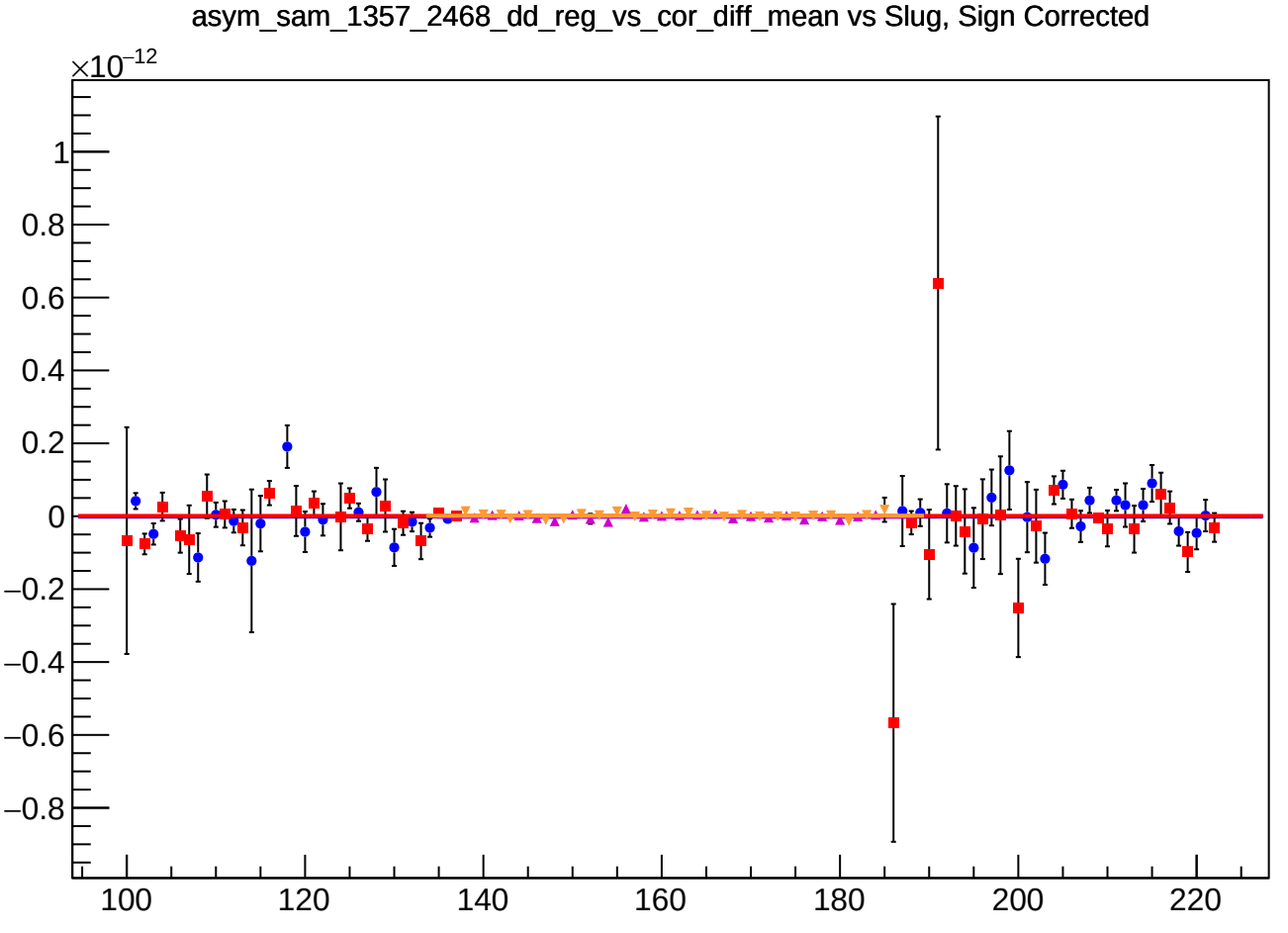
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

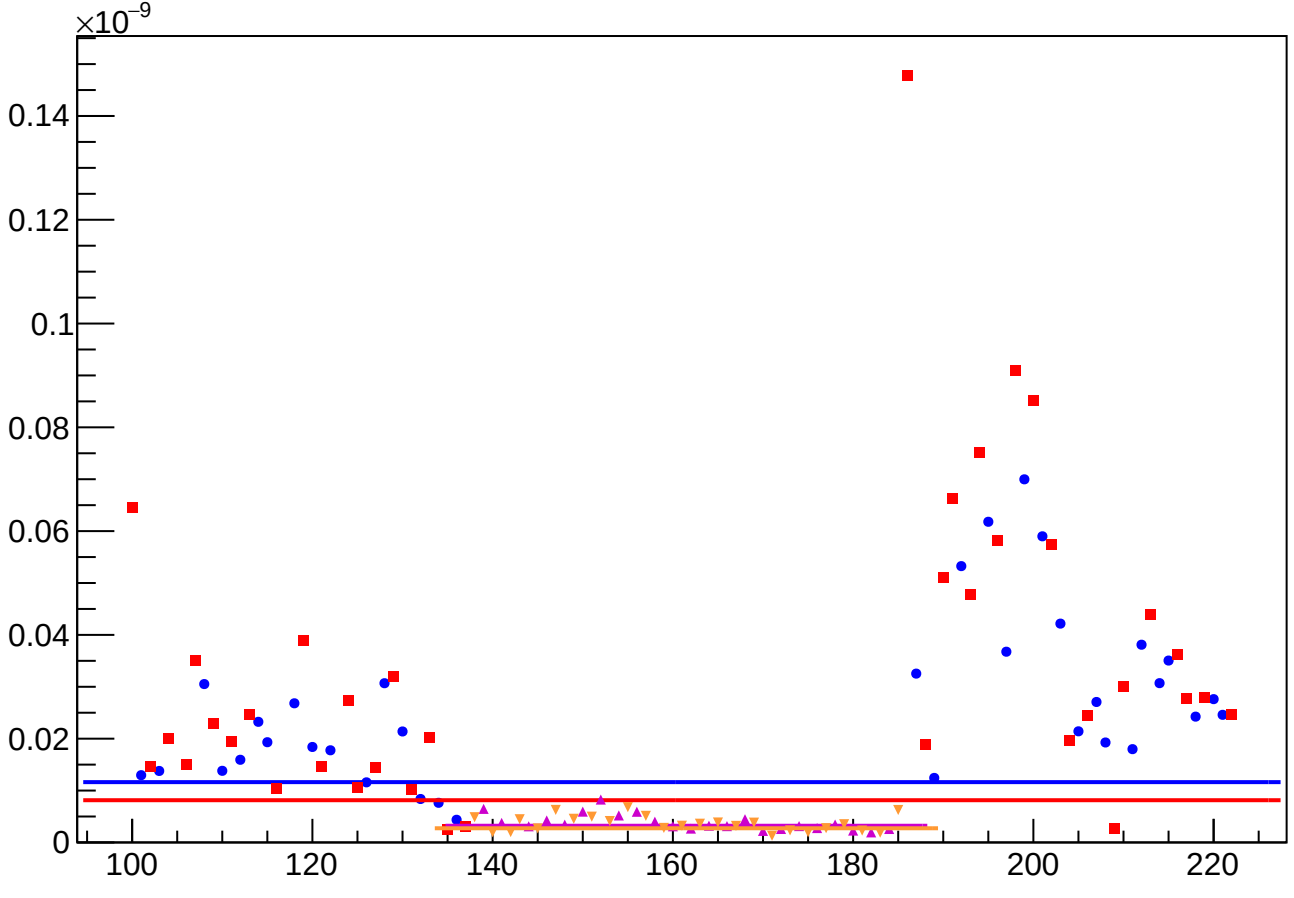
Right: 430.687+/-0.047 χ^2/NDF: 5892632.5/71

In: 209.151+/-0.026 χ^2/NDF:16550602.1/56

Out: 207.778+/-0.026 χ^2/NDF:18103439.8/62

All: 208.454+/-0.018 χ^2/NDF: 34655437.2/11


asym_sam_1357_2468_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: 49.1/33
Left Out: 0.000+/-0.000 χ²/NDF:18.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.9/37
Left In: -0.000+/-0.000 χ²/NDF:19.7/22
Left: 0.000+/-0.000 χ²/NDF: 41.2/47
Right: 0.000+/-0.000 χ²/NDF: 92.1/71
In: -0.000+/-0.000 χ²/NDF:68.7/56
Out: 0.000+/-0.000 χ²/NDF:61.7/62
All: 0.000+/-0.000 χ²/NDF: 133.2/119



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: 11323239.4/37

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

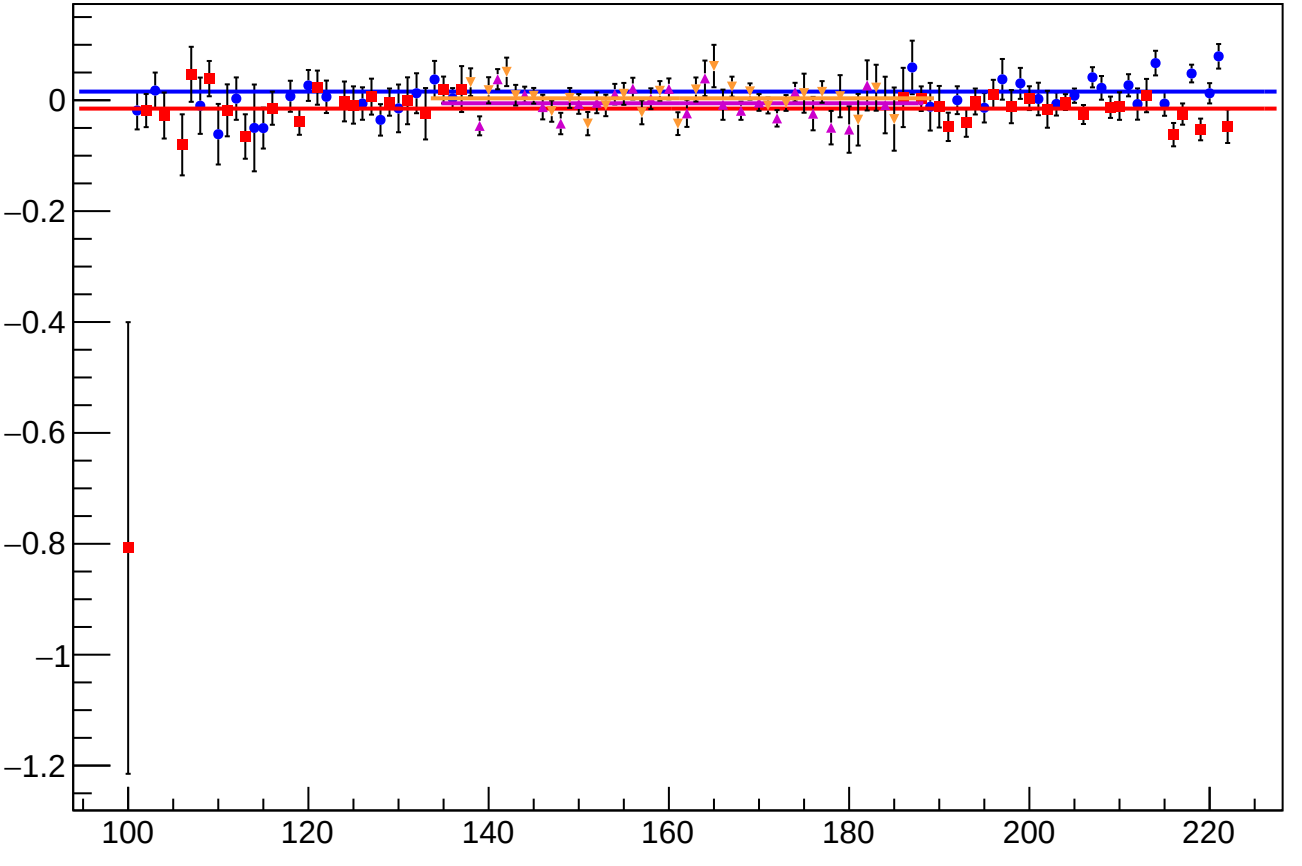
Right: 0.000+/-0.000 χ^2/NDF: 19734324.5/71

In: 0.000+/-0.000 χ^2/NDF:14344080.0/56

Out: 0.000+/-0.000 χ^2/NDF:15981291.7/62

All: 0.000+/-0.000 χ^2/NDF: 30643167.9/119

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: -0.015+/-0.004 χ^2/NDF: 34.9/37

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

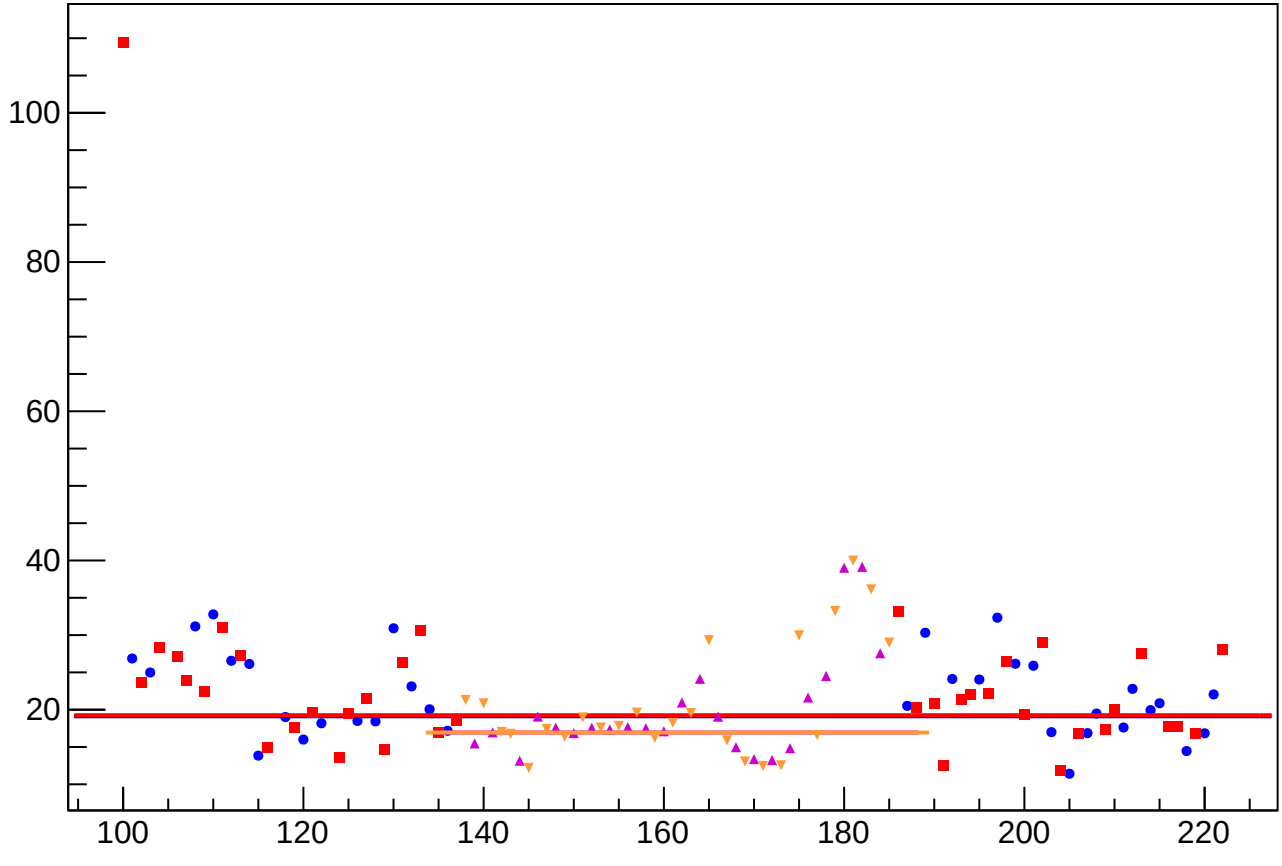
Right: 0.000+/-0.003 χ^2/NDF: 99.3/71

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:71.5/62

All: -0.000+/-0.002 χ^2/NDF: 161.9/119

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: 19.263+/-0.003 χ^2/NDF: 2511386.3/37

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

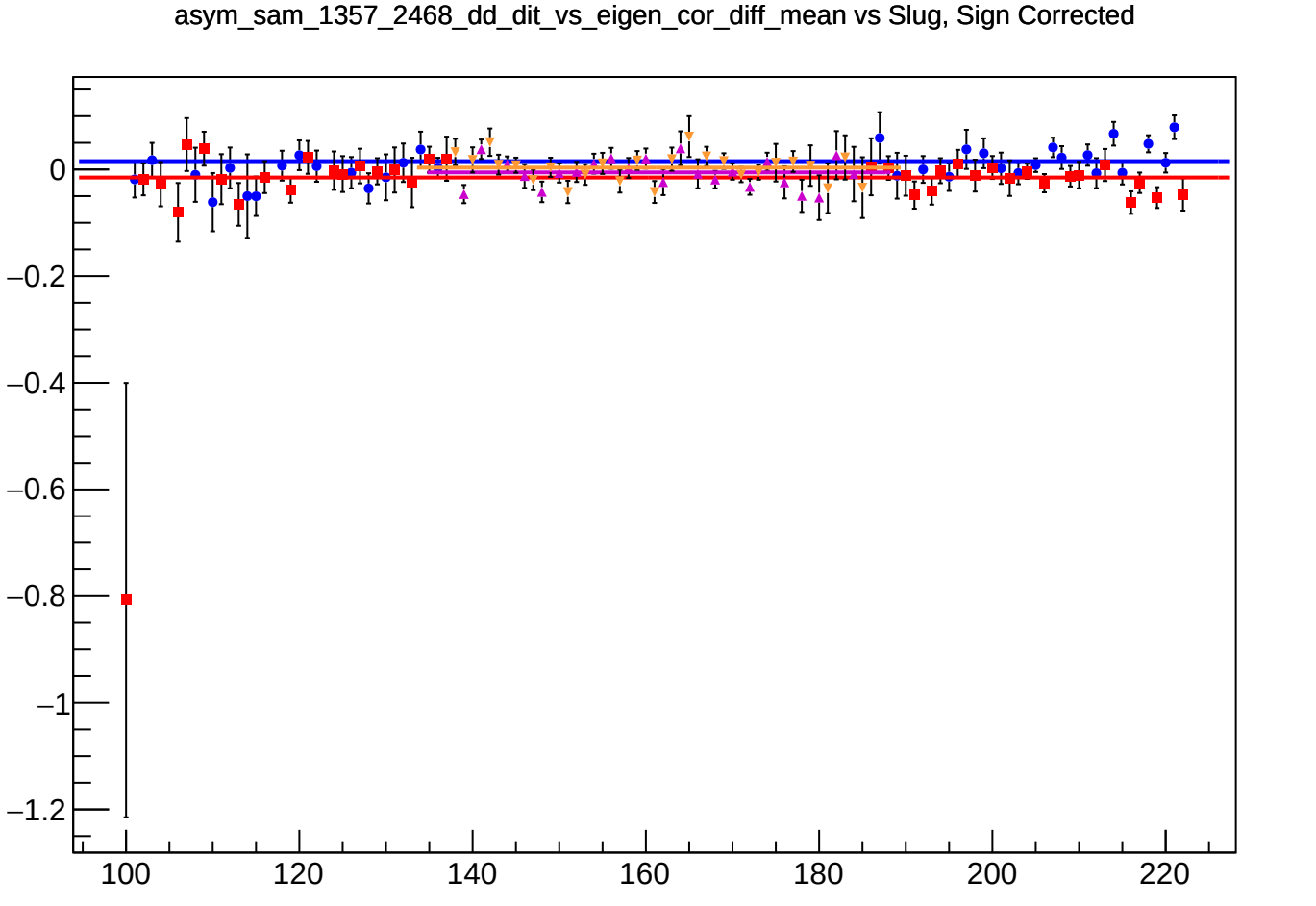
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.188+/-0.002 χ^2/NDF: 5120483.4/71

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 18.023+/-0.002 χ^2/NDF:5649611.5/62

All: 18.006+/-0.002 χ^2/NDF: 10458036.4/119



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: -0.015+/-0.004 χ^2/NDF: 34.9/37

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

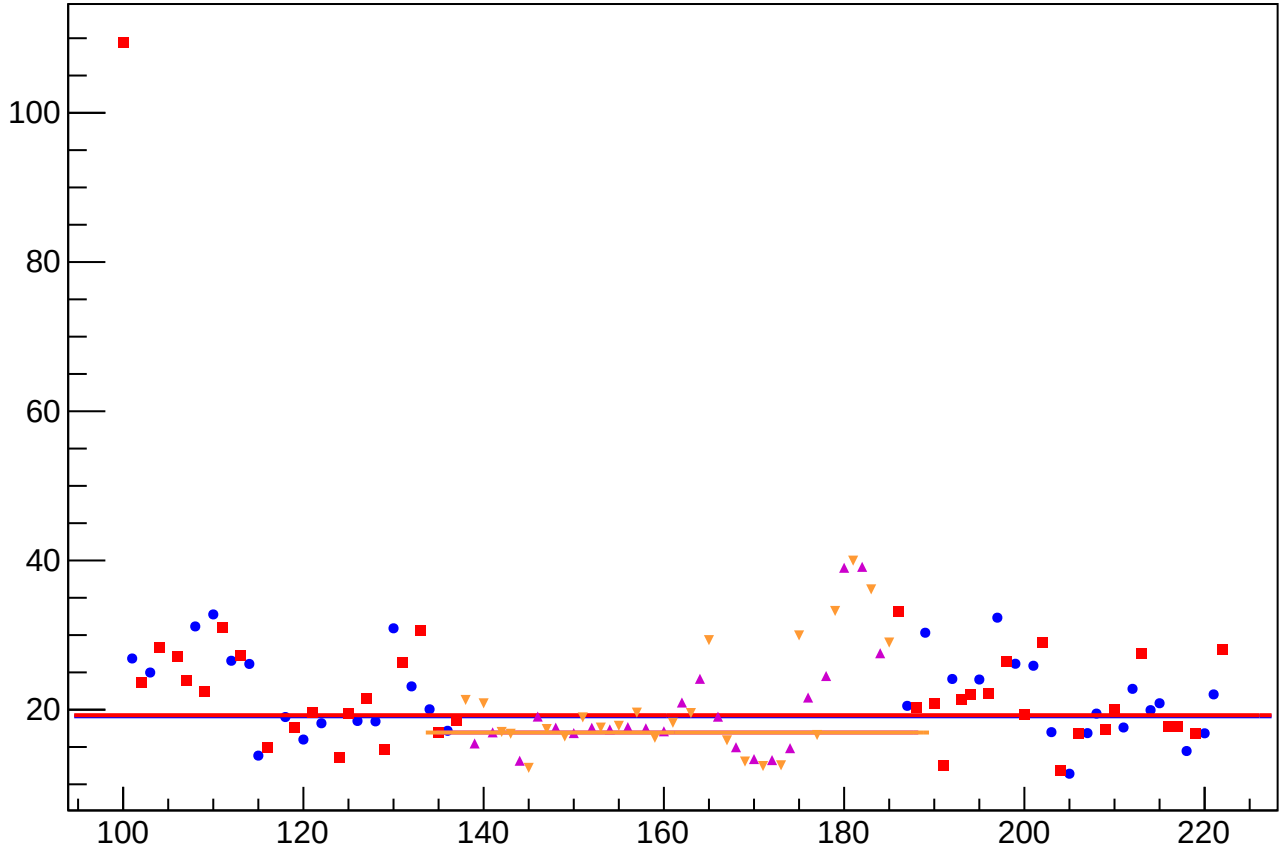
Right: 0.000+/-0.003 χ^2/NDF: 99.3/71

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:71.5/62

All: -0.000+/-0.002 χ^2/NDF: 161.9/119

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: 19.263+/-0.003 χ^2/NDF: 2511386.3/37

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

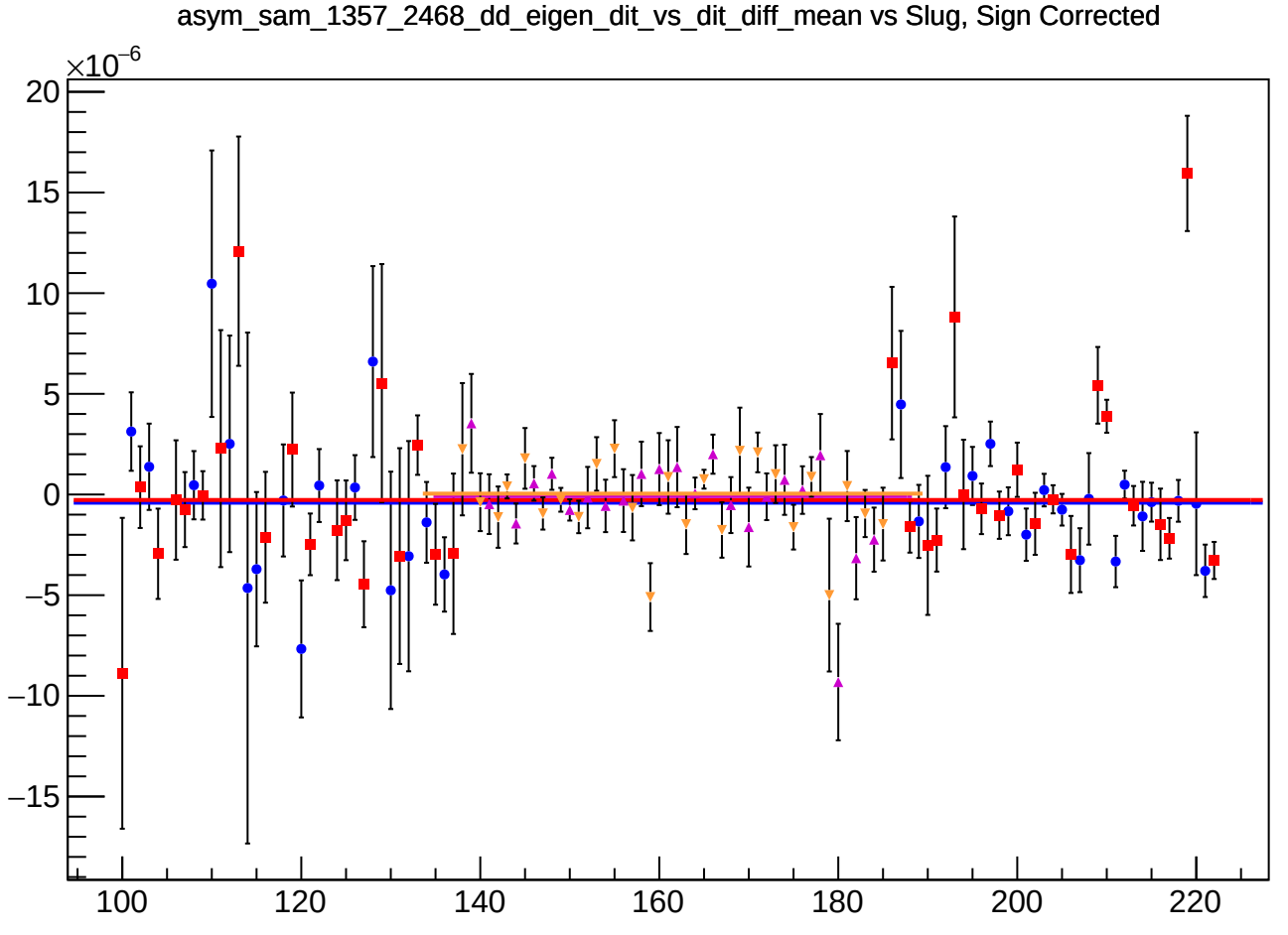
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.188+/-0.002 χ^2/NDF: 5120483.4/71

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 18.023+/-0.002 χ^2/NDF:5649611.5/62

All: 18.006+/-0.002 χ^2/NDF: 10458036.4/119



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: 117.4/37

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

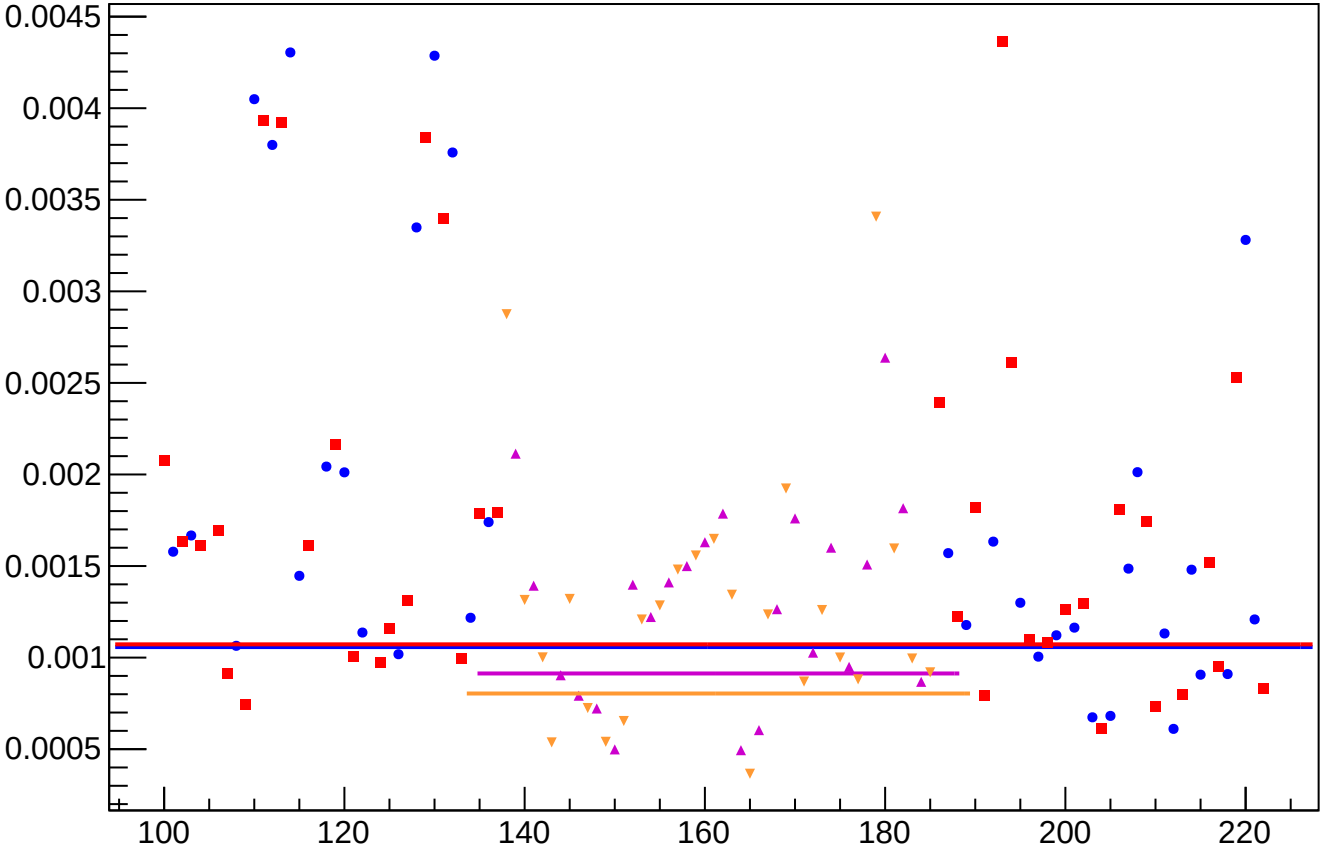
Right: -0.000+/-0.000 χ^2/NDF: 167.7/71

In: -0.000+/-0.000 χ^2/NDF:82.0/56

Out: -0.000+/-0.000 χ^2/NDF:155.4/62

All: -0.000+/-0.000 χ^2/NDF: 237.8/119

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: 7694728.7/37

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

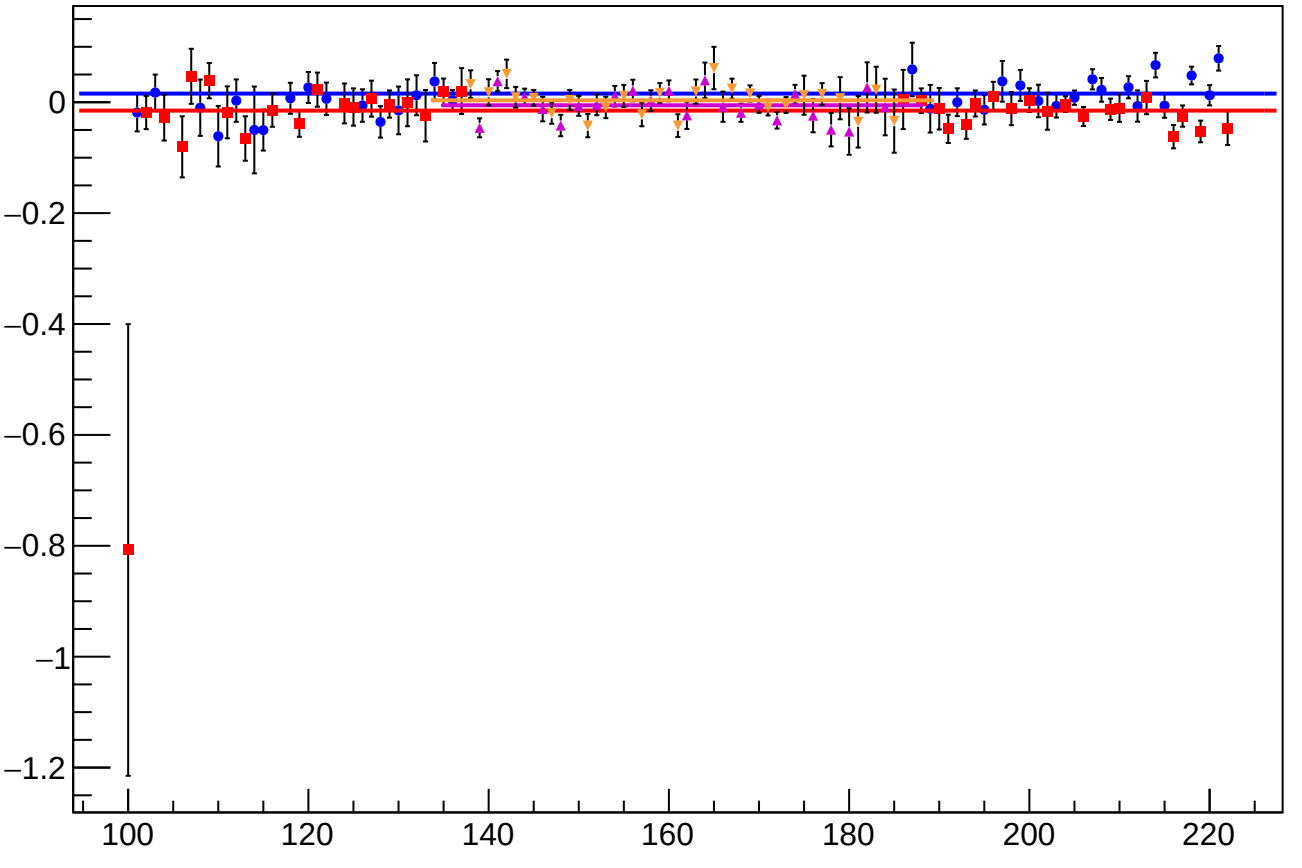
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 14850503.3/71

In: 0.001+/-0.000 χ^2/NDF:13930326.8/56

Out: 0.001+/-0.000 χ^2/NDF:17264792.1/62

All: 0.001+/-0.000 χ^2/NDF: 31371664.2/119



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: -0.015+/-0.004 χ^2/NDF: 34.9/37

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

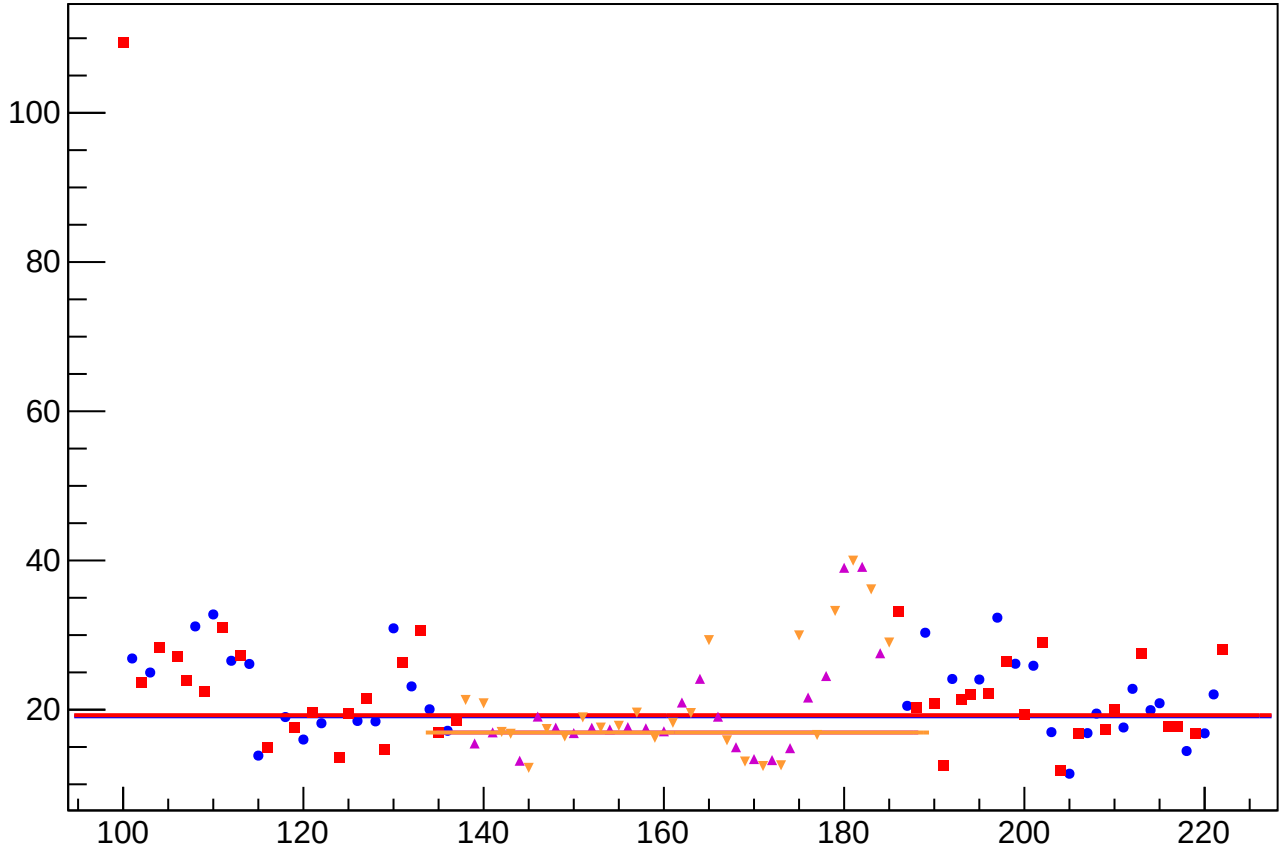
Right: 0.000+/-0.003 χ^2/NDF: 99.3/71

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:71.5/62

All: -0.000+/-0.002 χ^2/NDF: 161.9/119

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: 19.263+/-0.003 χ^2/NDF: 2511402.9/37

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

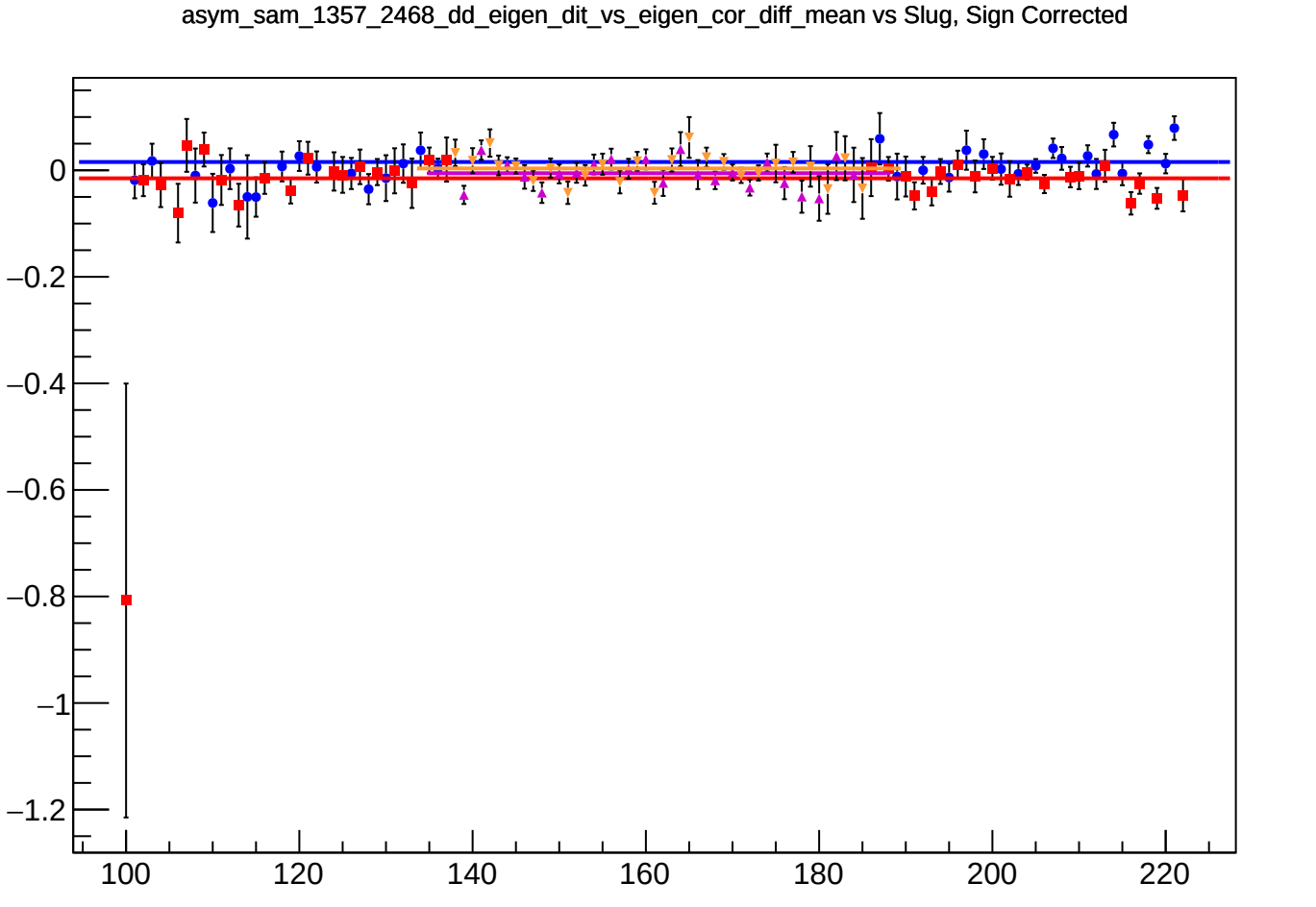
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.188+/-0.002 χ^2/NDF: 5120607.9/71

In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 18.023+/-0.002 χ^2/NDF:5649530.9/62

All: 18.006+/-0.002 χ^2/NDF: 10457910.2/119



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: -0.015+/-0.004 χ^2/NDF: 34.9/37

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

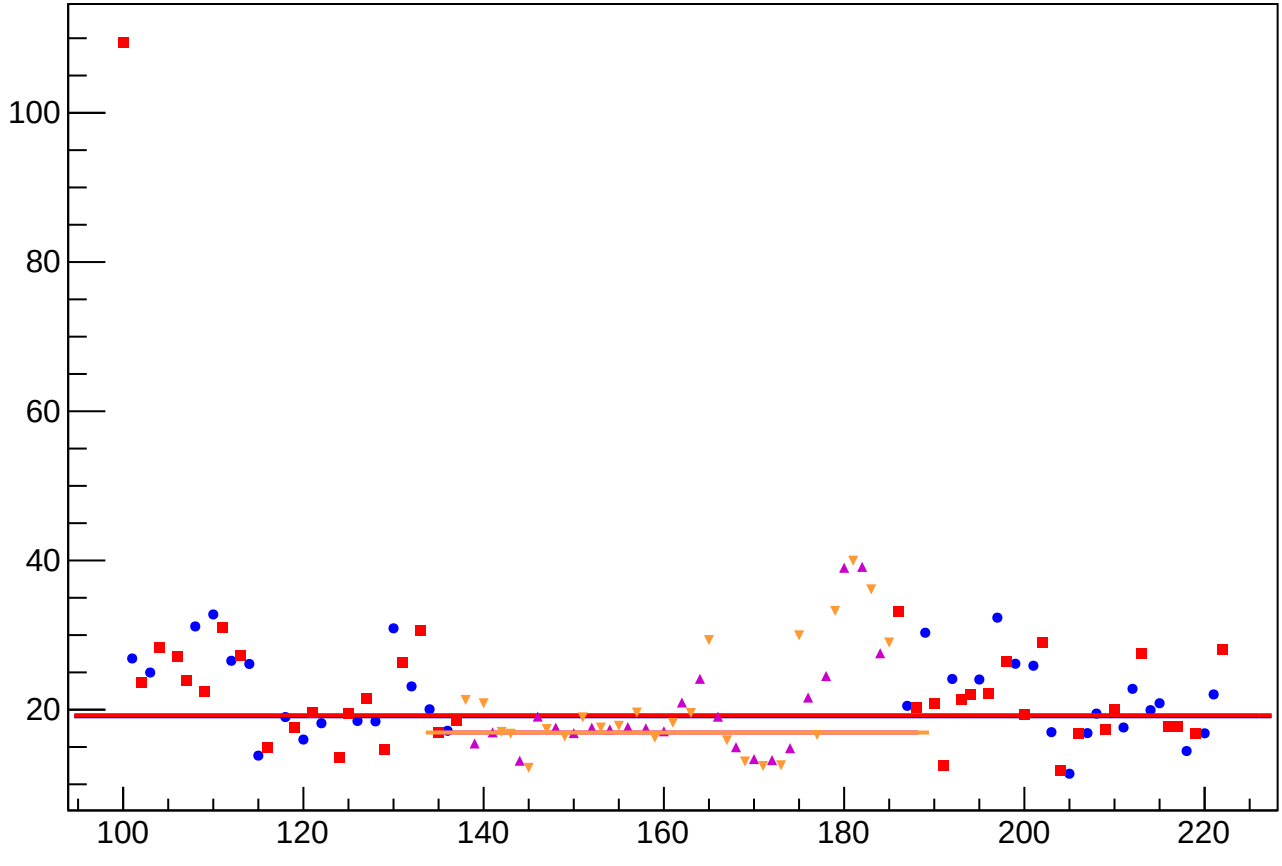
Right: 0.000+/-0.003 χ^2/NDF: 99.3/71

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:71.5/62

All: -0.000+/-0.002 χ^2/NDF: 161.9/119

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: 19.263+/-0.003 χ^2/NDF: 2511402.9/37

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

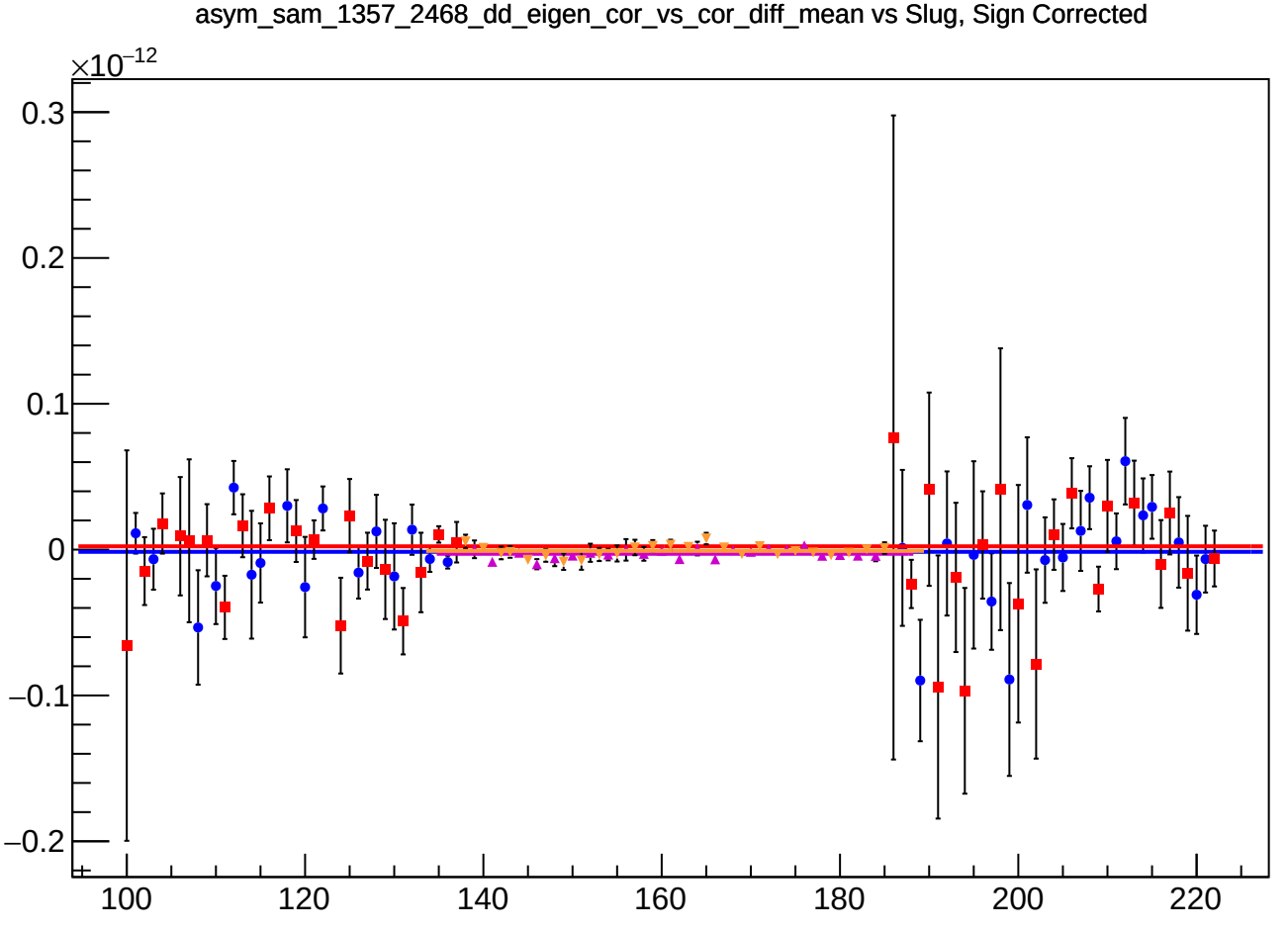
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.188+/-0.002 χ^2/NDF: 5120607.9/71

In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 18.023+/-0.002 χ^2/NDF:5649530.9/62

All: 18.006+/-0.002 χ^2/NDF: 10457910.2/119



Right In: -0.000+/-0.000 χ^2/NDF: 40.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/37

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

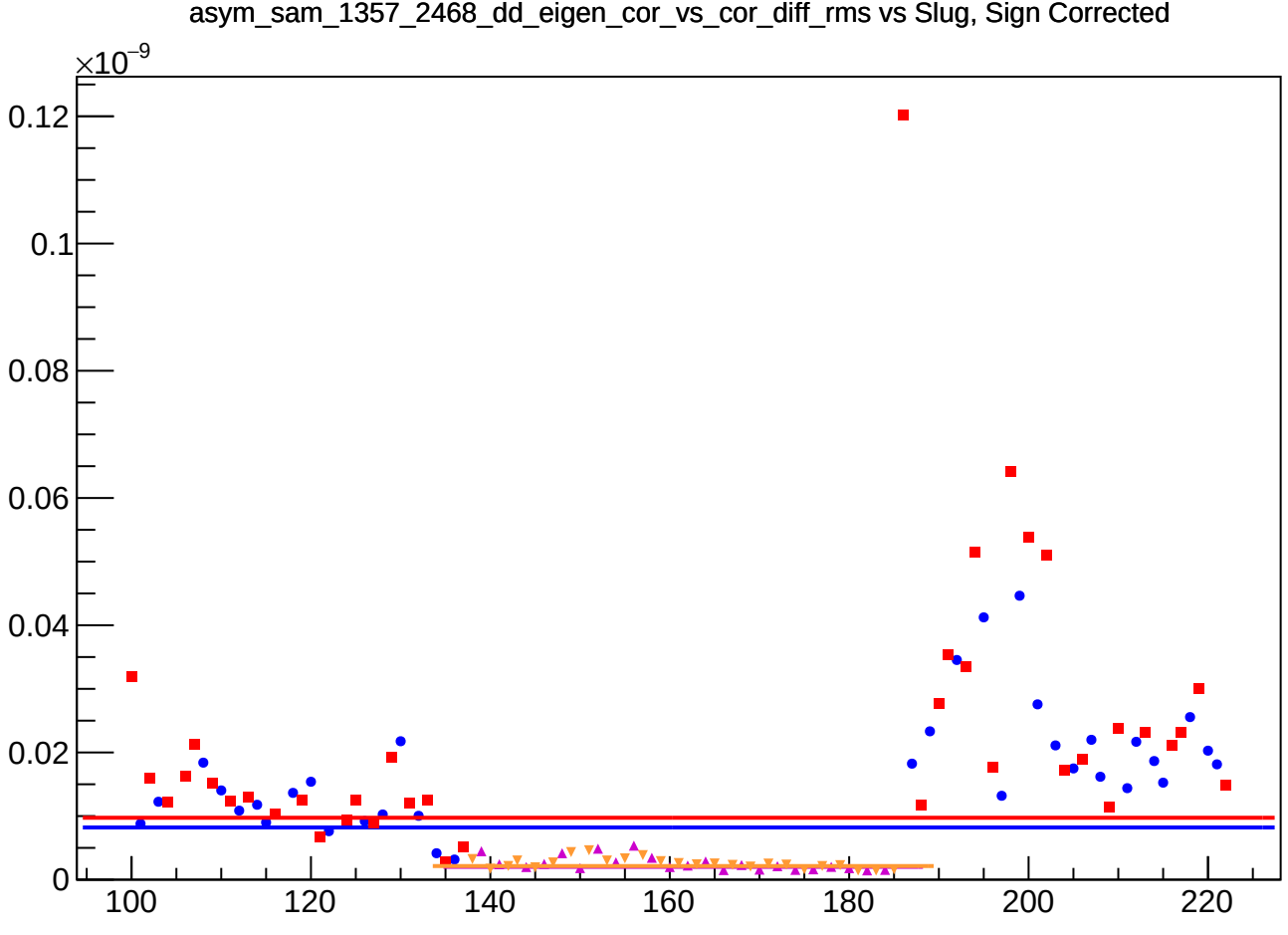
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.9/71

In: -0.000+/-0.000 χ^2/NDF:63.4/56

Out: -0.000+/-0.000 χ^2/NDF:60.6/62

All: -0.000+/-0.000 χ^2/NDF: 129.3/119



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: 10935849.5/37

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

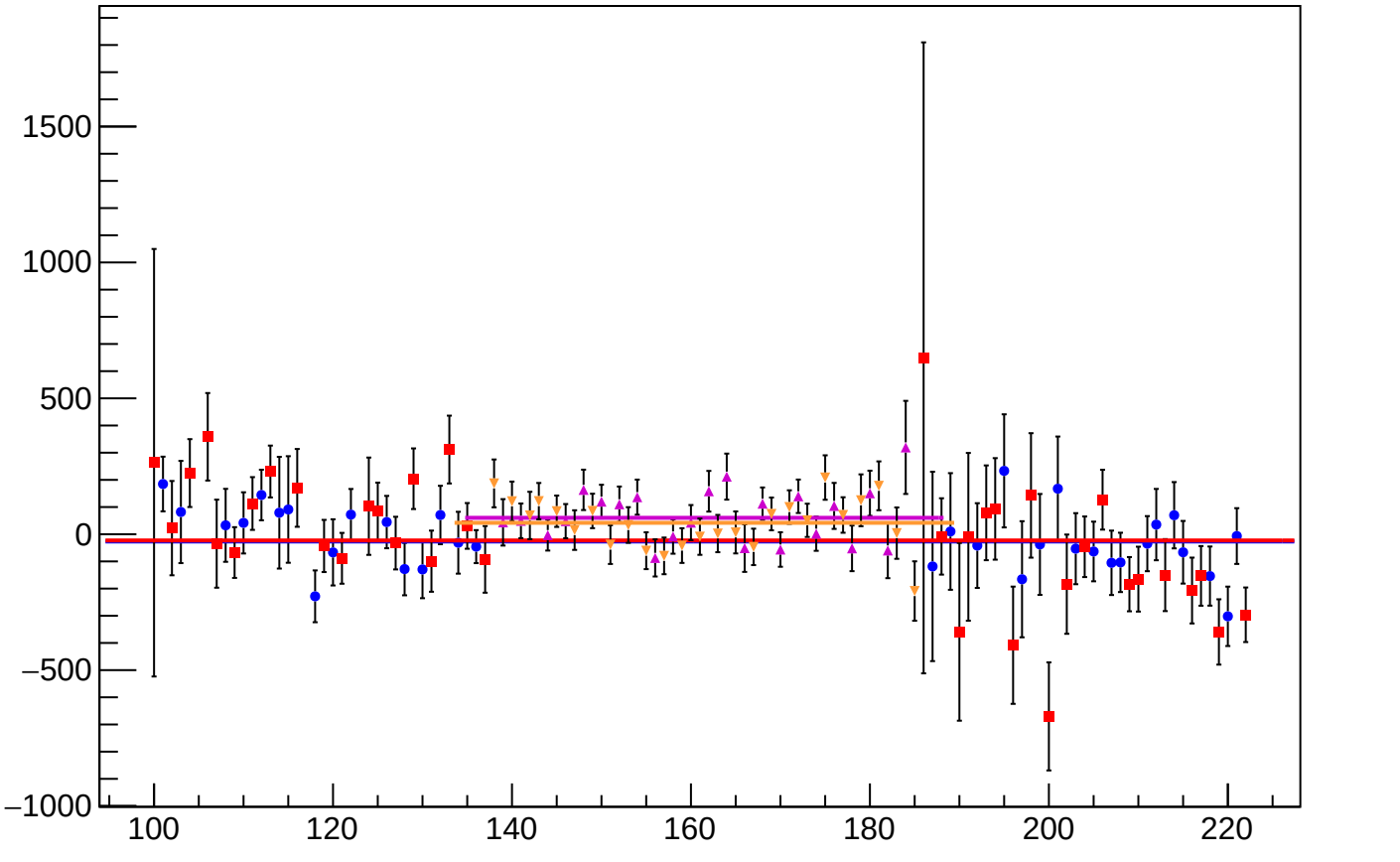
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21565421.9/71

In: 0.000+/-0.000 χ^2/NDF:21251551.6/56

Out: 0.000+/-0.000 χ^2/NDF:22948710.4/62

All: 0.000+/-0.000 χ^2/NDF: 44232300.7/119



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: -22.893+/-20.517 χ^2/NDF: 78.5/37

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

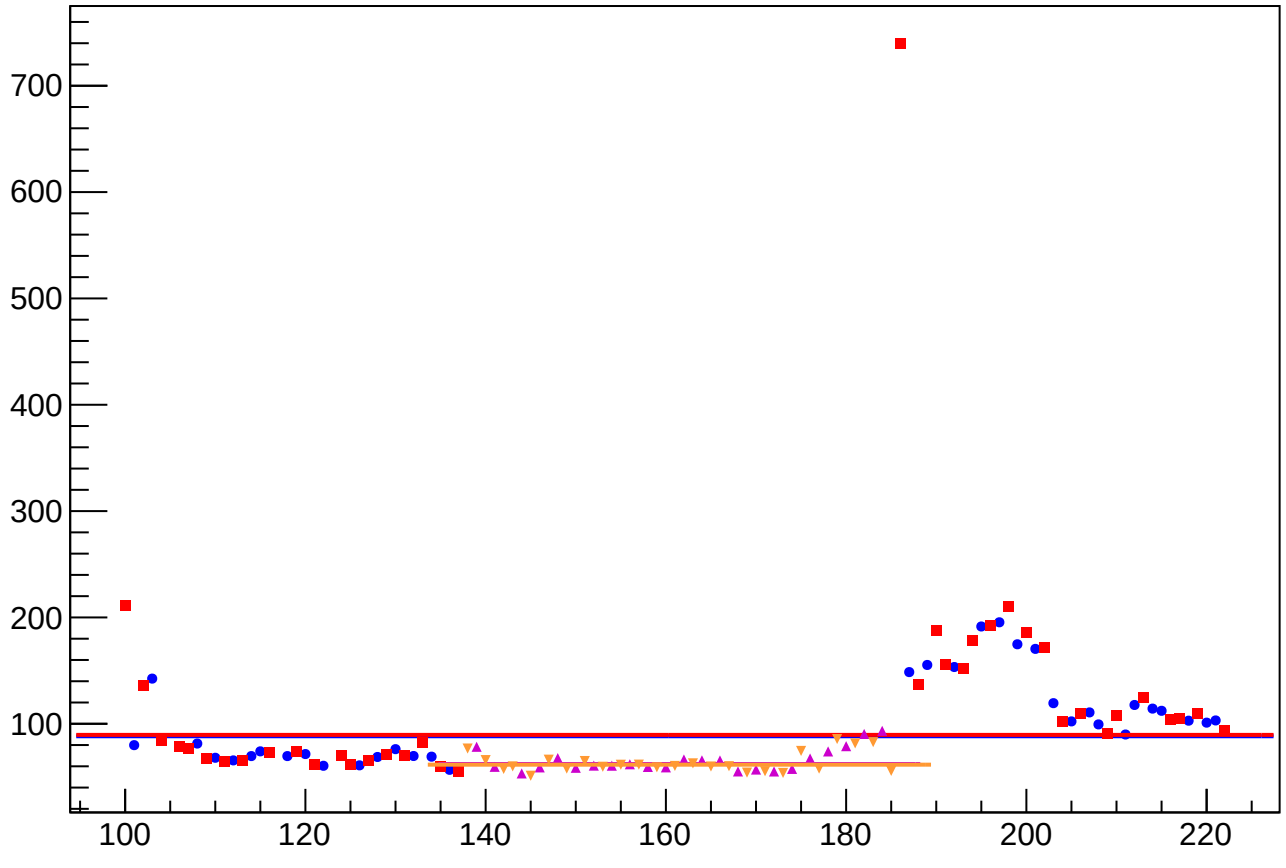
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -24.849+/-14.343 χ^2/NDF: 110.0/71

In: 29.908+/-11.864 χ^2/NDF:75.9/56

Out: 21.028+/-11.666 χ^2/NDF:117.3/62

All: 25.393+/-8.318 χ^2/NDF: 193.5/119



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: 89.548+/-0.015 χ^2/NDF: 5780917.6/37

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

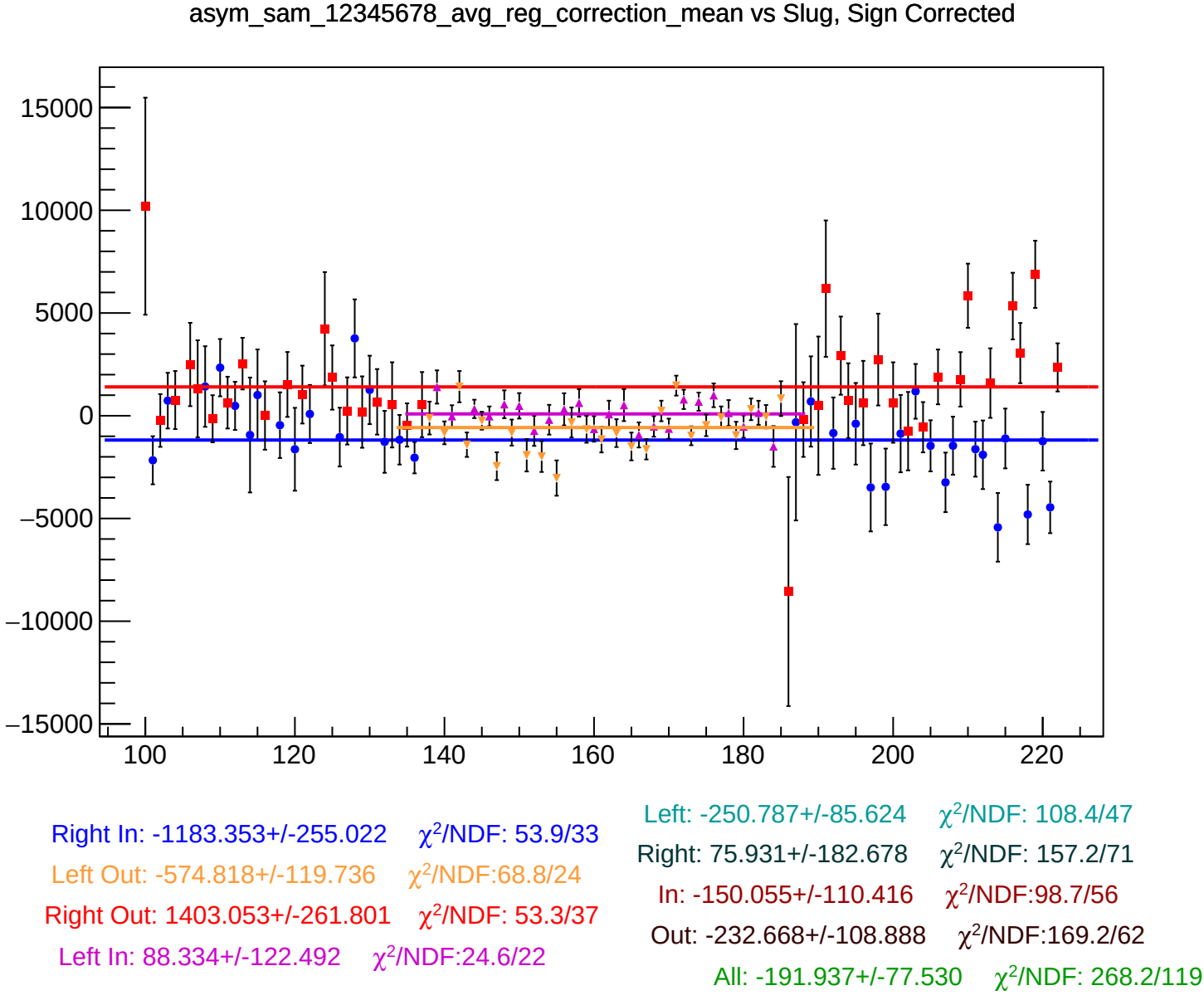
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 88.890+/-0.010 χ^2/NDF: 10416574.3/71

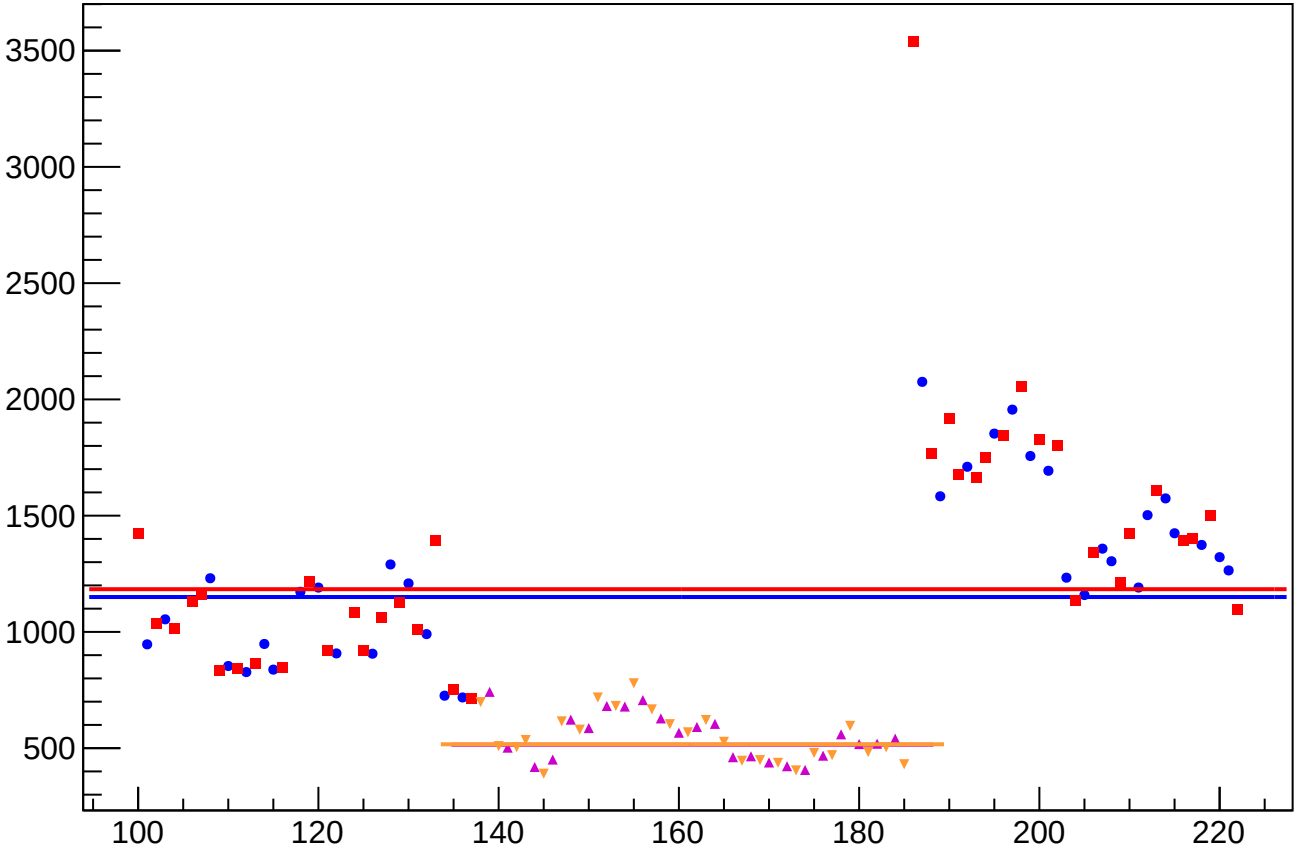
In: 71.281+/-0.008 χ^2/NDF:7432599.6/56

Out: 70.598+/-0.008 χ^2/NDF:8940266.2/62

All: 70.933+/-0.006 χ^2/NDF: 16376235.0/119


asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1183.353+/-255.022 χ²/NDF: 53.9/33
Left Out: -574.818+/-119.736 χ²/NDF:68.8/24
Right Out: 1403.053+/-261.801 χ²/NDF: 53.3/37
Left In: 88.334+/-122.492 χ²/NDF:24.6/22
Left: -250.787+/-85.624 χ²/NDF: 108.4/47
Right: 75.931+/-182.678 χ²/NDF: 157.2/71
In: -150.055+/-110.416 χ²/NDF:98.7/56
Out: -232.668+/-108.888 χ²/NDF:169.2/62
All: -191.937+/-77.530 χ²/NDF: 268.2/119

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1150.049+/-0.180 χ^2/NDF: 3138998.2/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1183.748+/-0.185 χ^2/NDF: 3638846.6/37

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

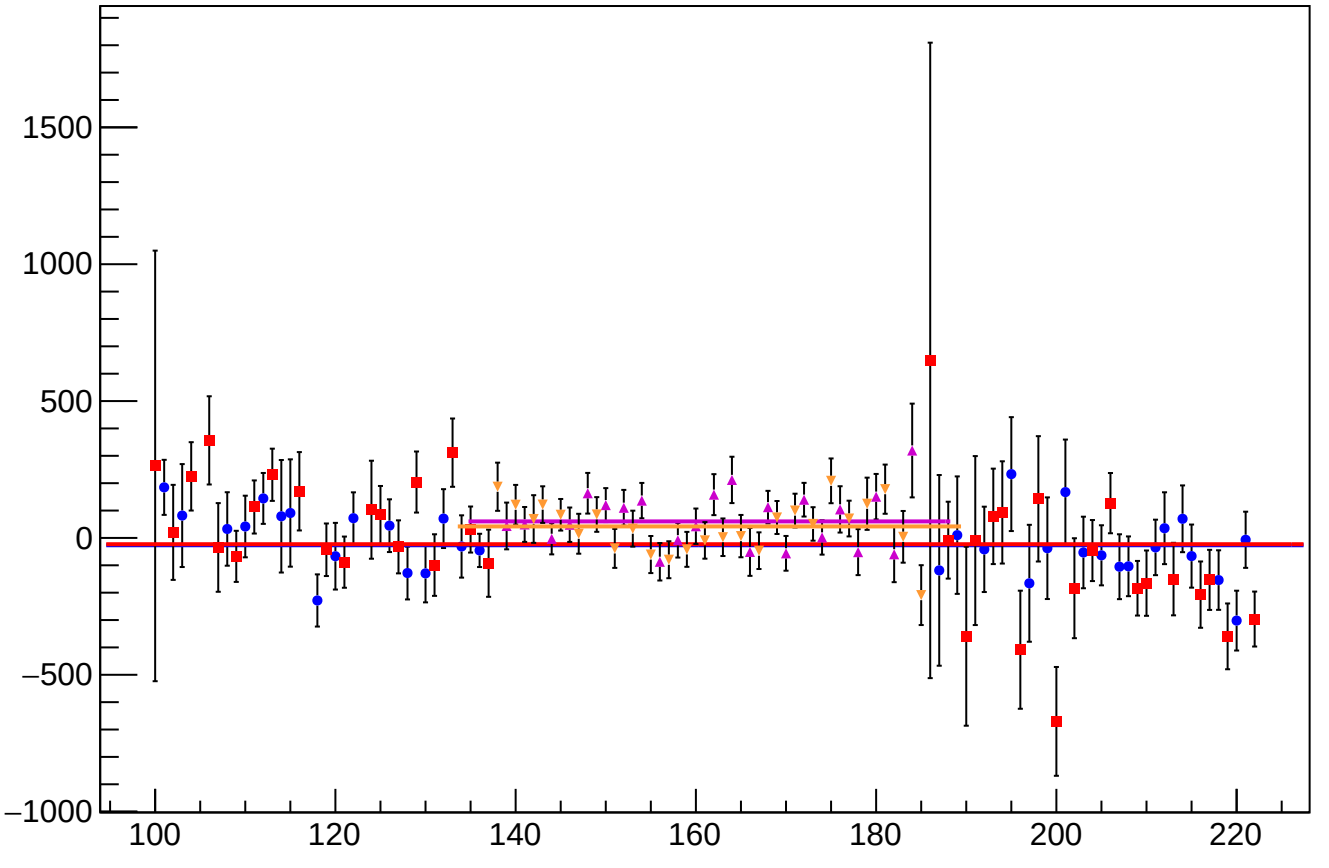
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1166.456+/-0.129 χ^2/NDF: 6794848.6/71

In: 633.868+/-0.078 χ^2/NDF:14343421.1/56

Out: 632.039+/-0.077 χ^2/NDF:15643811.9/62

All: 632.940+/-0.055 χ^2/NDF: 29987511.3/11



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: -22.969+/-20.517 χ^2/NDF: 78.4/37

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

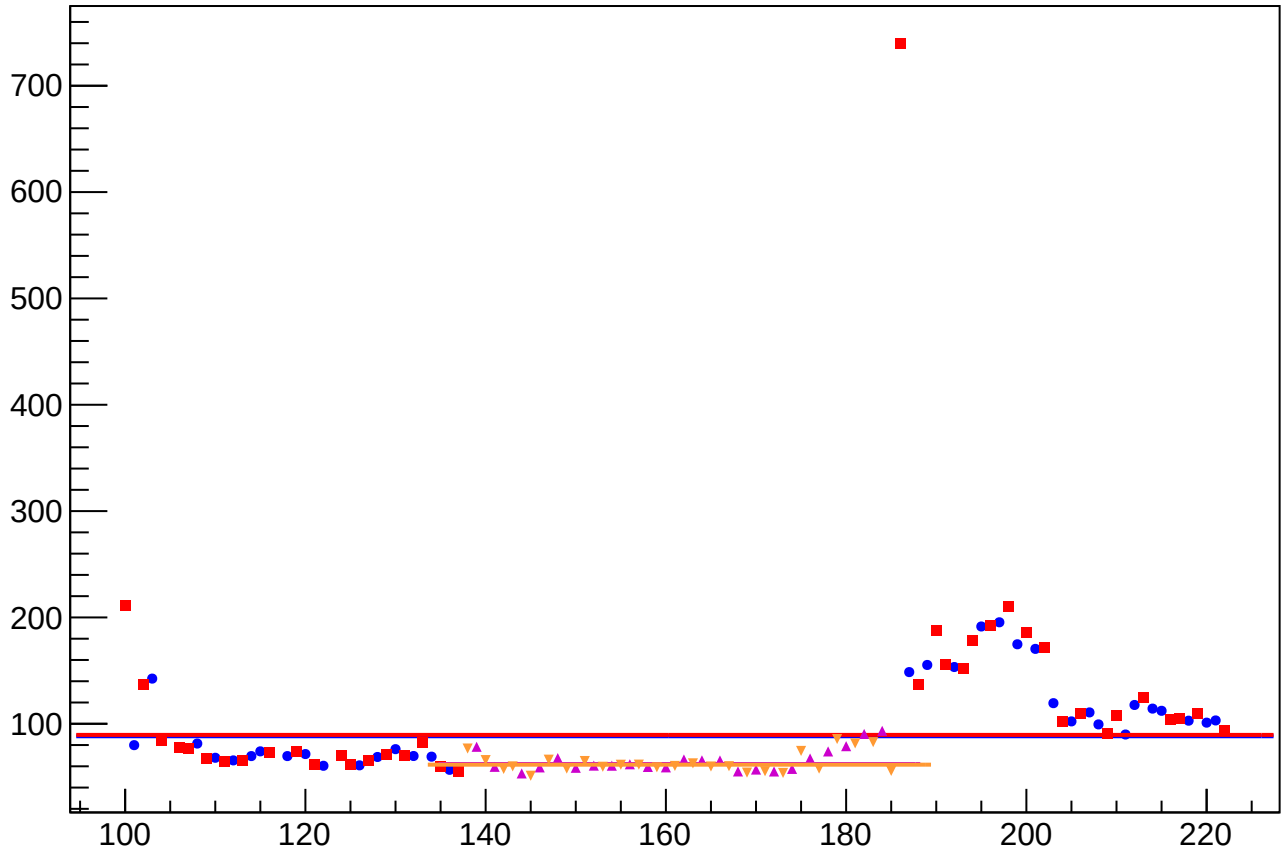
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -24.889+/-14.343 χ^2/NDF: 109.9/71

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 21.008+/-11.666 χ^2/NDF:117.2/62

All: 25.382+/-8.318 χ^2/NDF: 193.4/119



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: 89.538+/-0.015 χ^2/NDF: 5782416.1/37

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

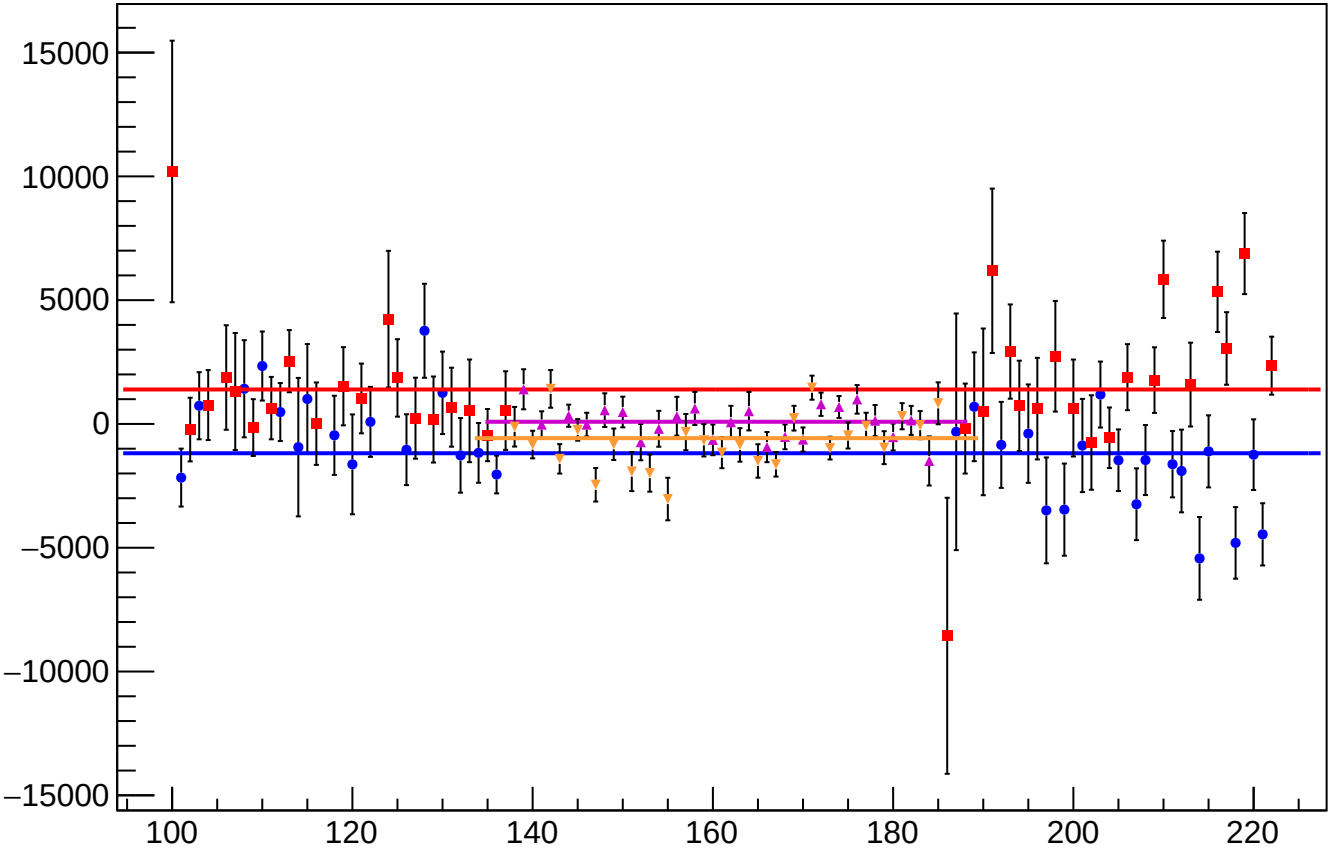
Right: 88.885+/-0.010 χ^2/NDF: 10418009.2/71

In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.594+/-0.008 χ^2/NDF:8939760.1/62

All: 70.932+/-0.006 χ^2/NDF: 16375769.1/119

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1183.342+/-255.023 χ^2/NDF: 53.9/33

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 1392.412+/-261.979 χ^2/NDF: 53.0/37

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

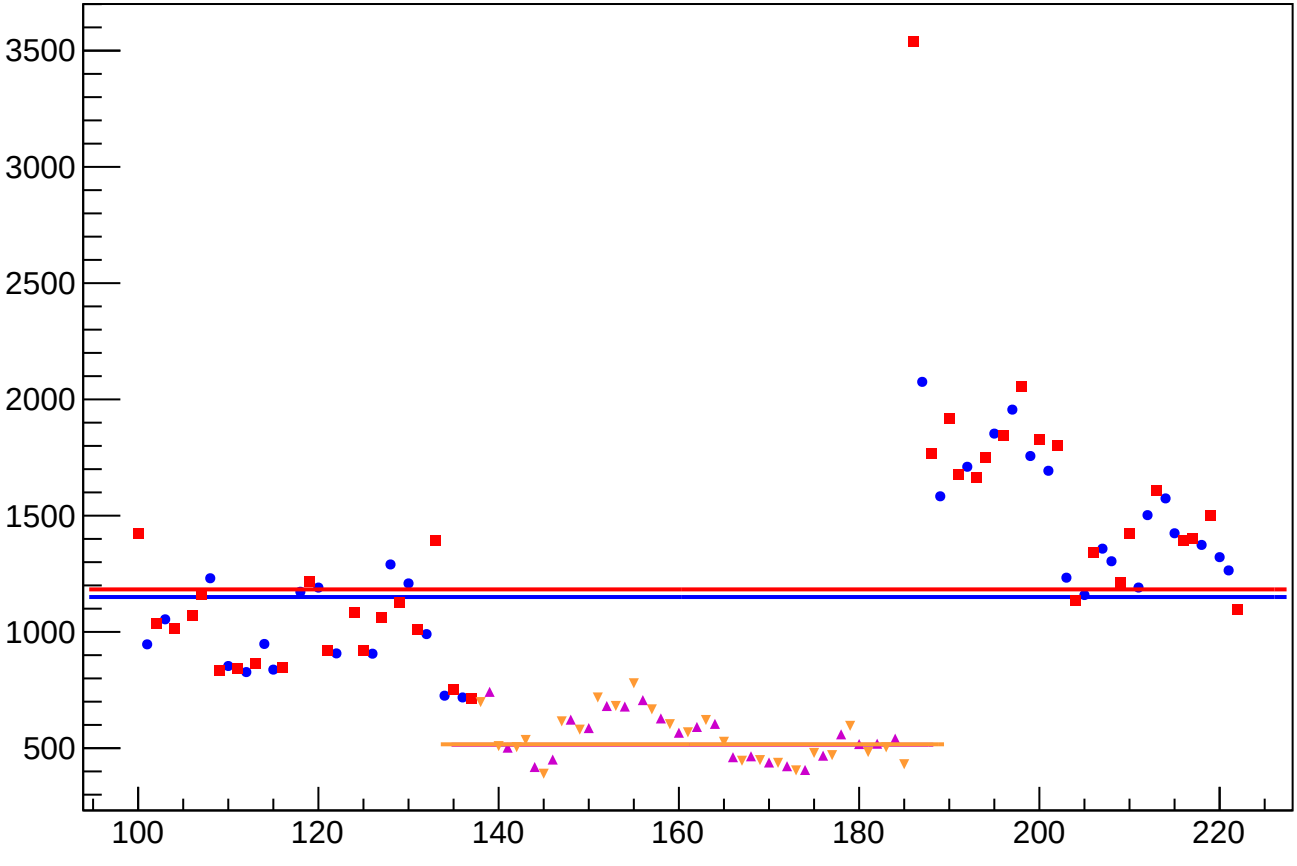
Right: 69.887+/-182.738 χ^2/NDF: 156.5/71

In: -150.053+/-110.416 χ^2/NDF:98.7/56

Out: -234.884+/-108.901 χ^2/NDF:168.4/62

All: -193.055+/-77.535 χ^2/NDF: 267.4/119

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1150.052+/-0.180 χ^2/NDF: 3138985.1/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1182.891+/-0.185 χ^2/NDF: 3643077.7/37

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

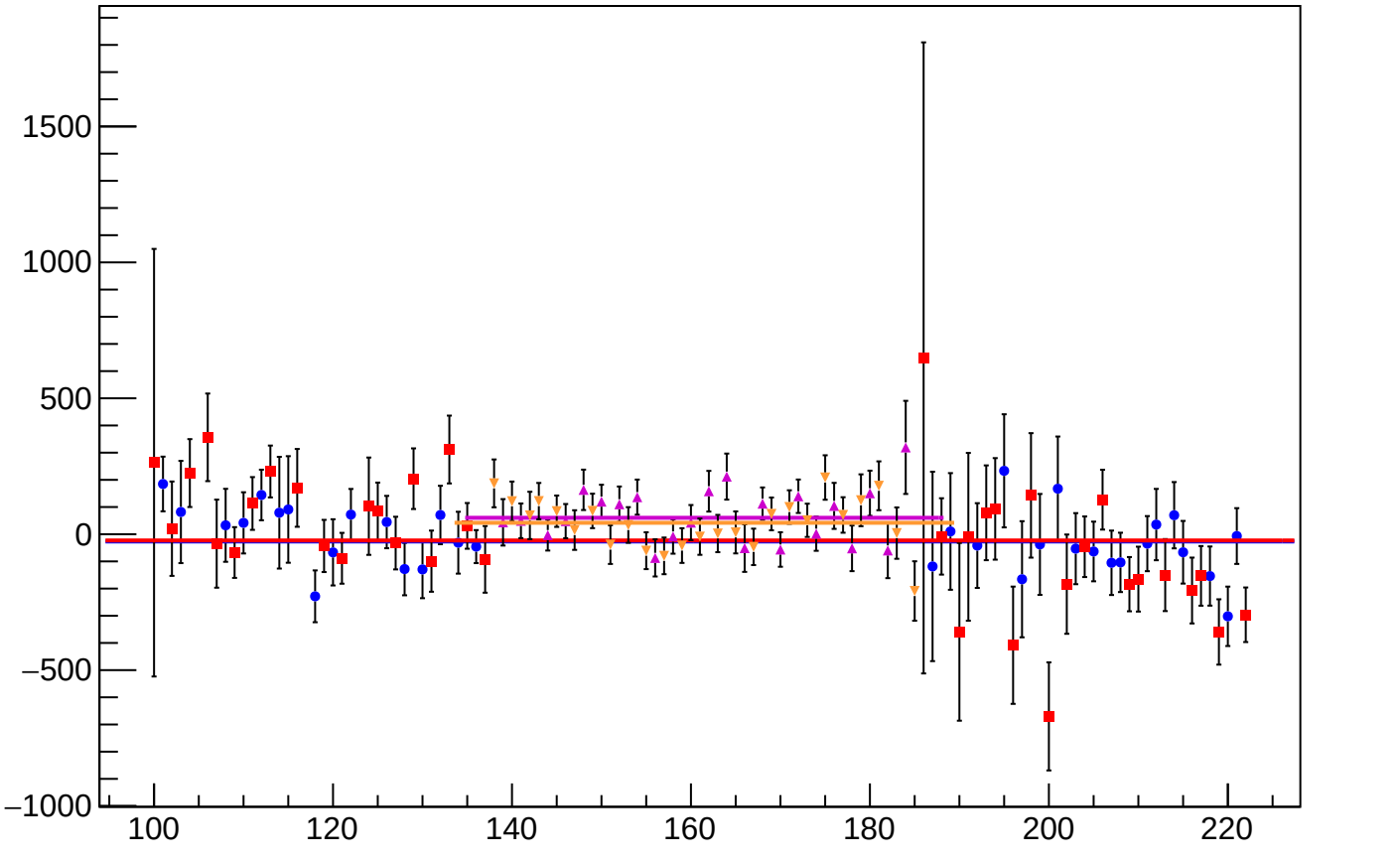
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1166.030+/-0.129 χ^2/NDF: 6798197.7/71

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 631.761+/-0.077 χ^2/NDF:15608454.9/62

All: 632.800+/-0.055 χ^2/NDF: 29952287.1/11



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: -22.969+/-20.517 χ^2/NDF: 78.4/37

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

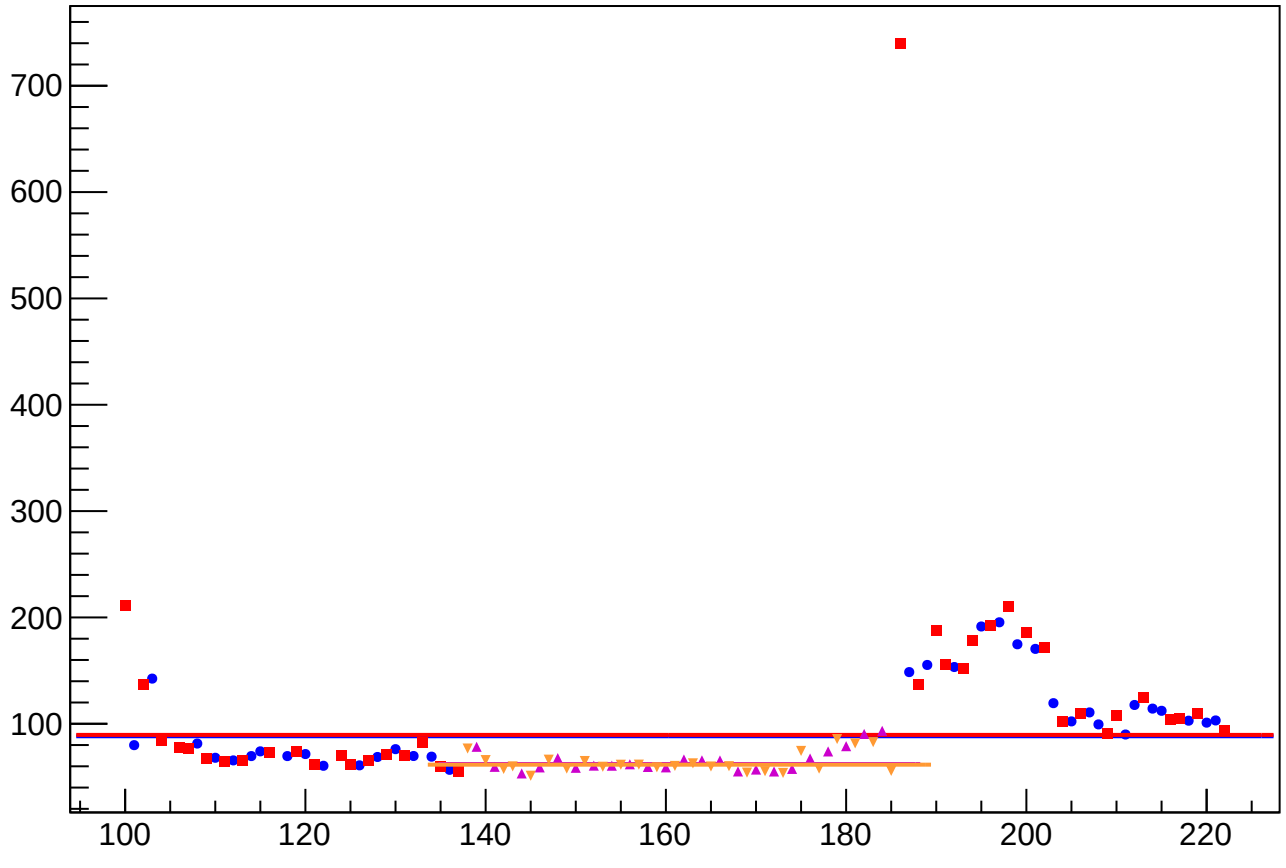
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -24.889+/-14.343 χ^2/NDF: 109.9/71

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 21.008+/-11.666 χ^2/NDF:117.2/62

All: 25.382+/-8.318 χ^2/NDF: 193.4/119



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: 89.538+/-0.015 χ^2/NDF: 5782416.1/37

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

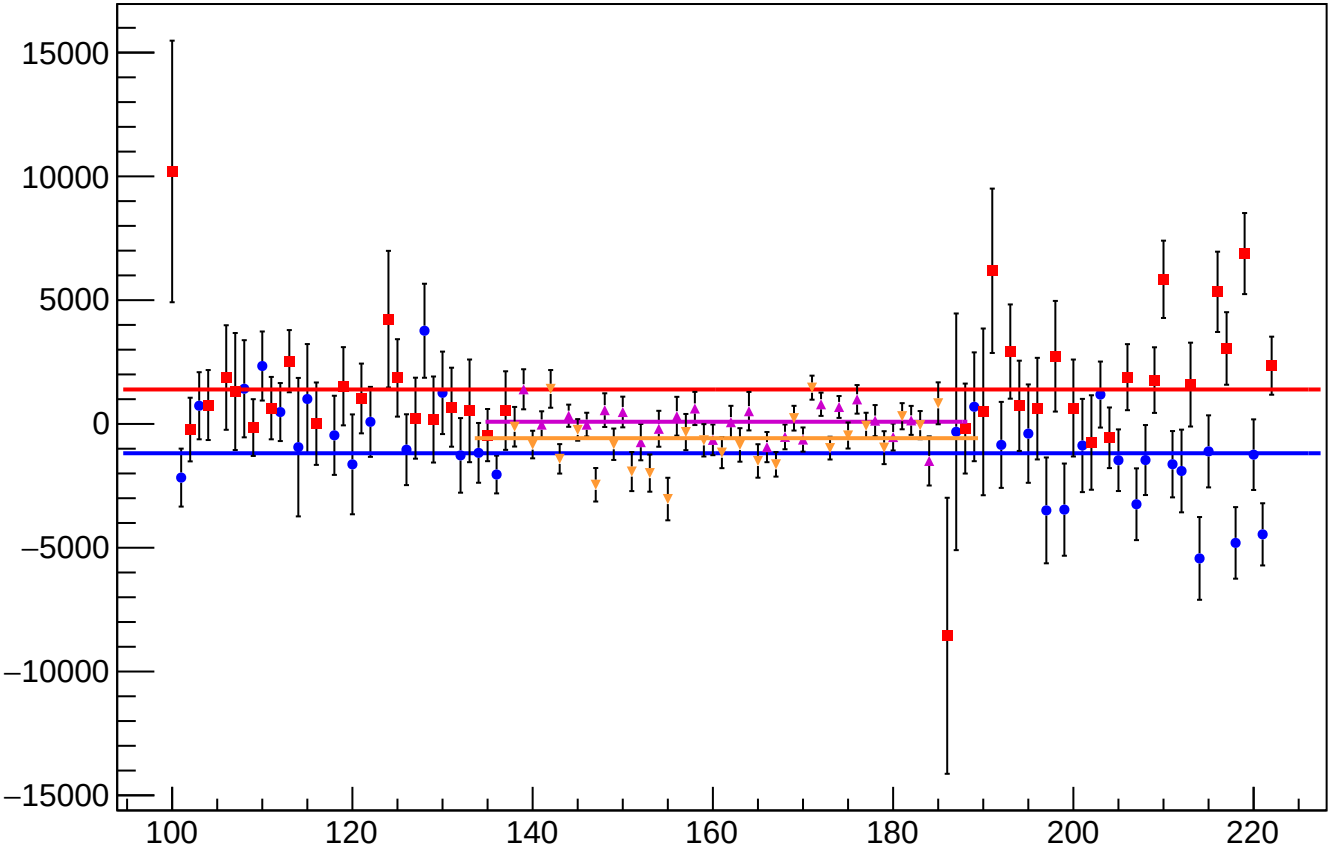
Right: 88.885+/-0.010 χ^2/NDF: 10418009.2/71

In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.594+/-0.008 χ^2/NDF:8939760.1/62

All: 70.932+/-0.006 χ^2/NDF: 16375769.1/119

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: 1392.412+/-261.979 χ^2/NDF: 53.0/37

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

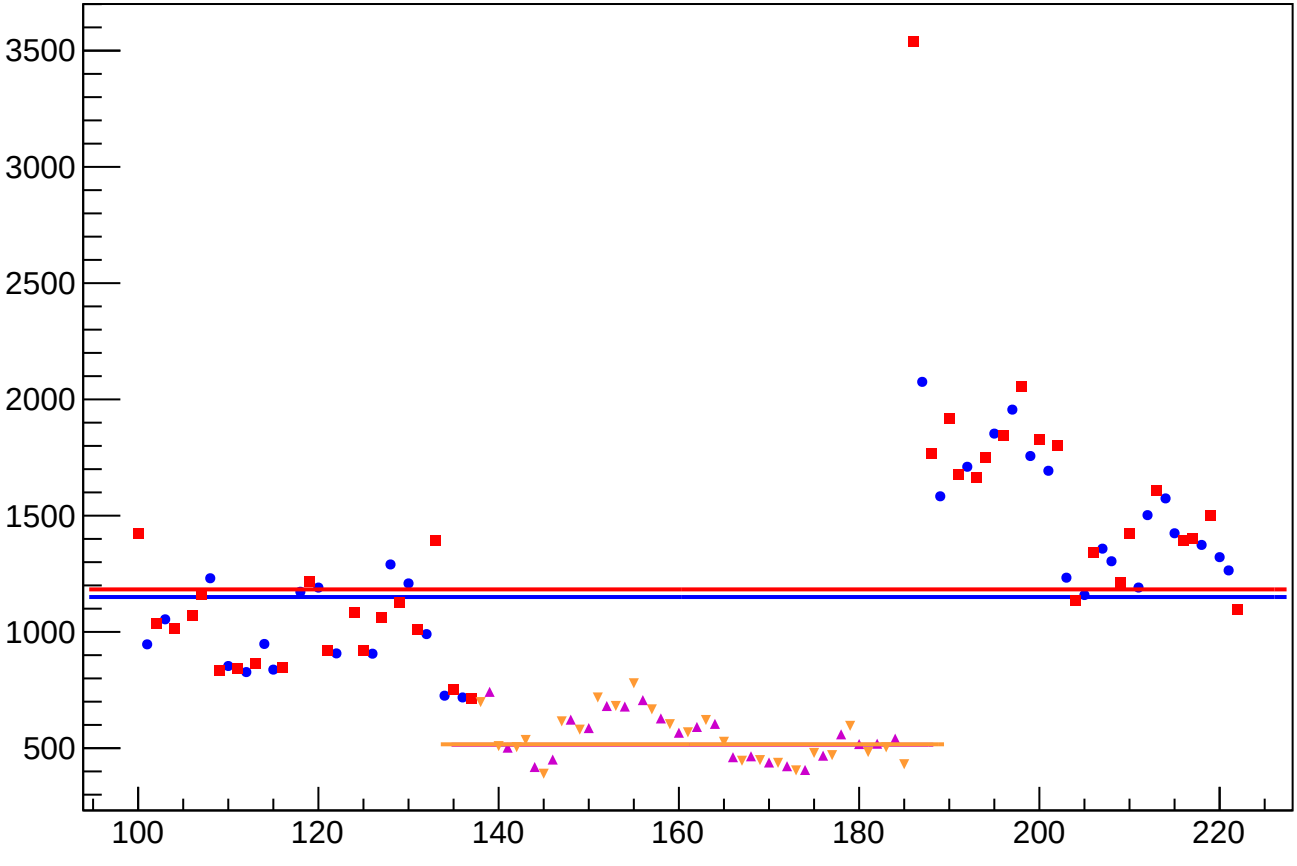
Right: 69.887+/-182.738 χ^2/NDF: 156.5/71

In: -150.053+/-110.416 χ^2/NDF:98.7/56

Out: -234.884+/-108.901 χ^2/NDF:168.4/62

All: -193.055+/-77.535 χ^2/NDF: 267.4/119

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1150.052+/-0.180 χ^2/NDF: 3138985.1/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1182.891+/-0.185 χ^2/NDF: 3643077.7/37

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

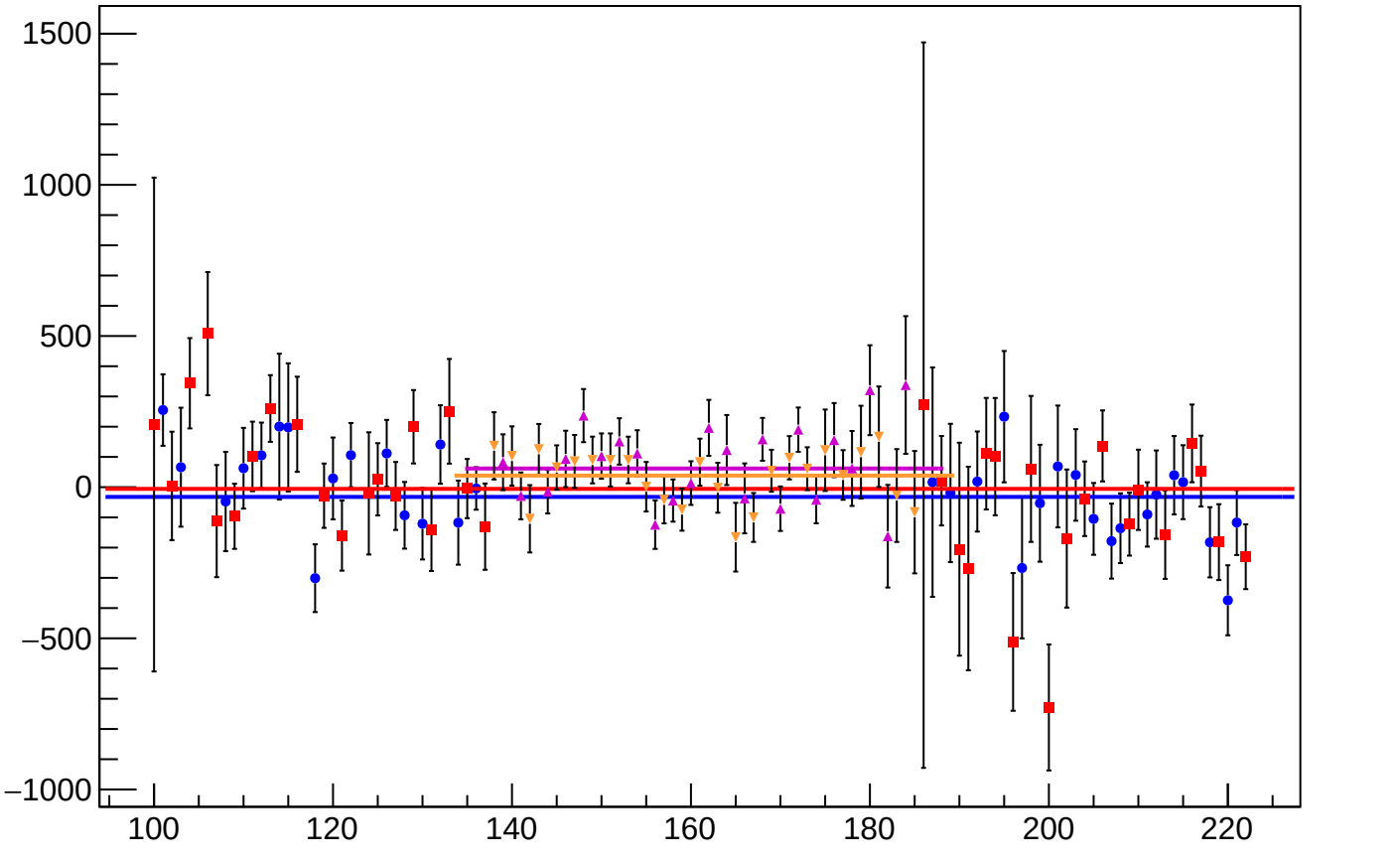
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1166.030+/-0.129 χ^2/NDF: 6798197.7/71

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 631.761+/-0.077 χ^2/NDF:15608454.9/62

All: 632.800+/-0.055 χ^2/NDF: 29952287.1/11



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: -5.718+/-23.088 χ^2/NDF: 61.4/37

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

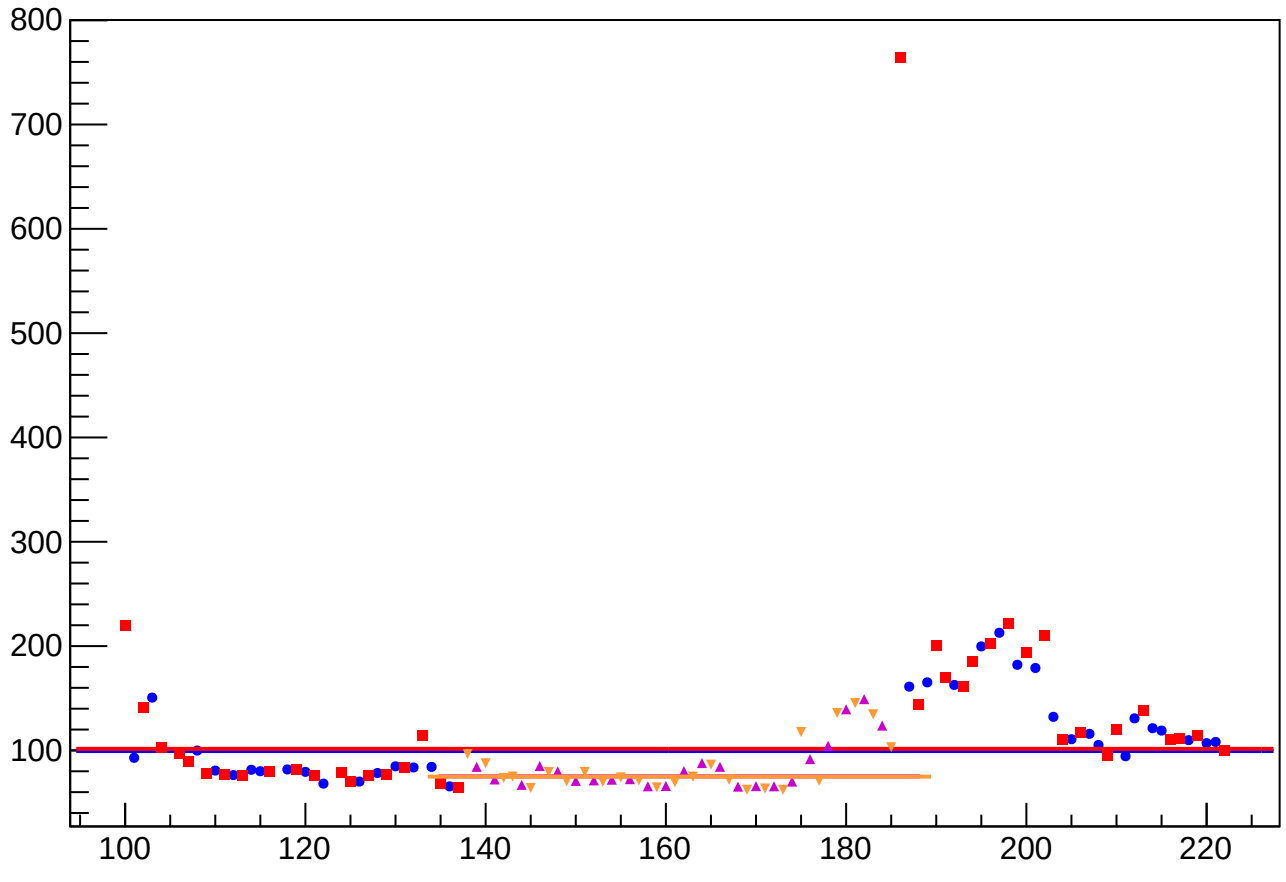
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -19.388+/-16.082 χ^2/NDF: 102.4/71

In: 24.394+/-14.125 χ^2/NDF:87.7/56

Out: 22.030+/-14.032 χ^2/NDF:82.5/62

All: 23.204+/-9.955 χ^2/NDF: 170.2/119



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: 101.497+/-0.016 χ^2/NDF: 5004078.9/37

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

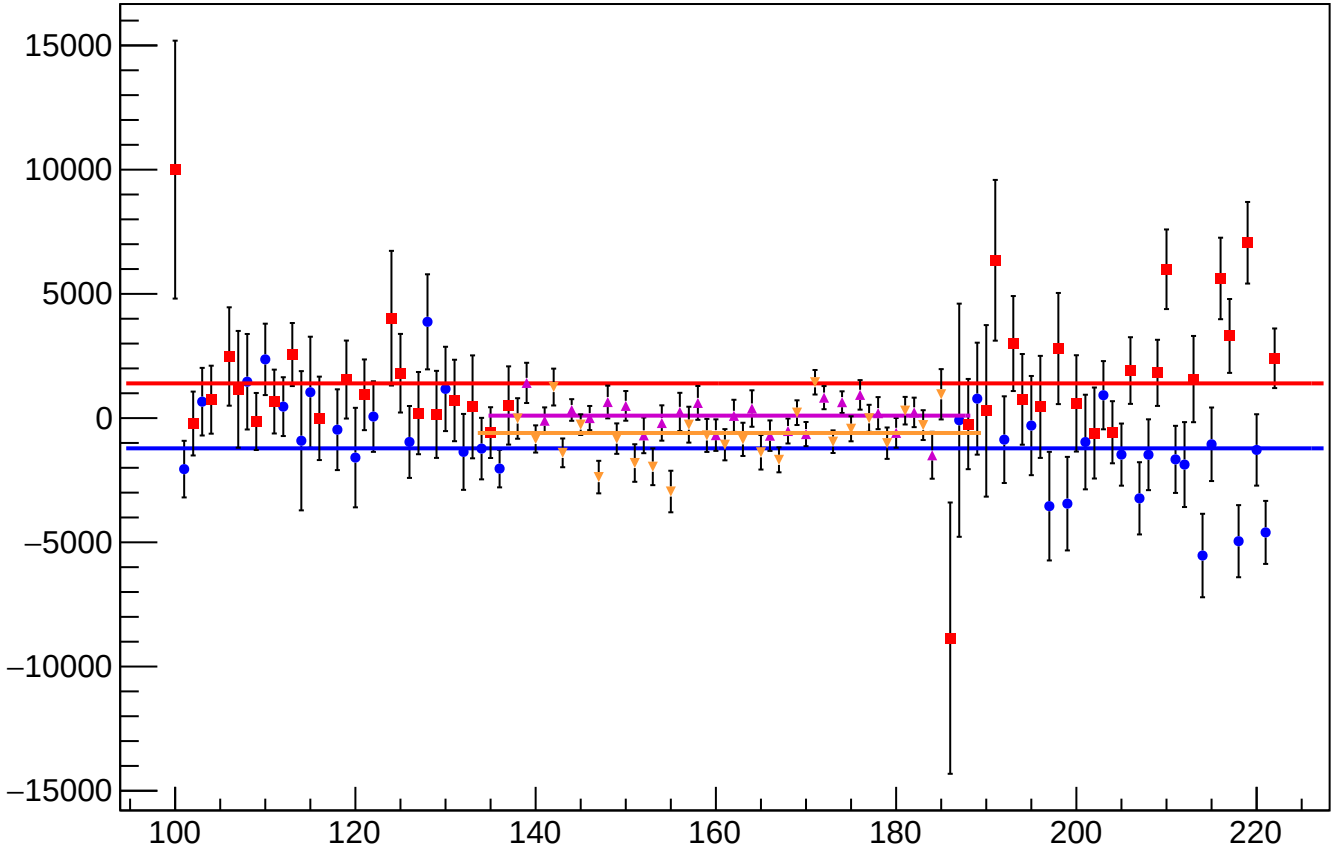
Right: 100.416+/-0.011 χ^2/NDF: 8823033.4/71

In: 84.783+/-0.010 χ^2/NDF:6533425.7/56

Out: 84.726+/-0.010 χ^2/NDF:8339127.8/62

All: 84.754+/-0.007 χ^2/NDF: 14872569.9/119

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: 1397.537+/-262.555 χ^2/NDF: 56.5/37

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

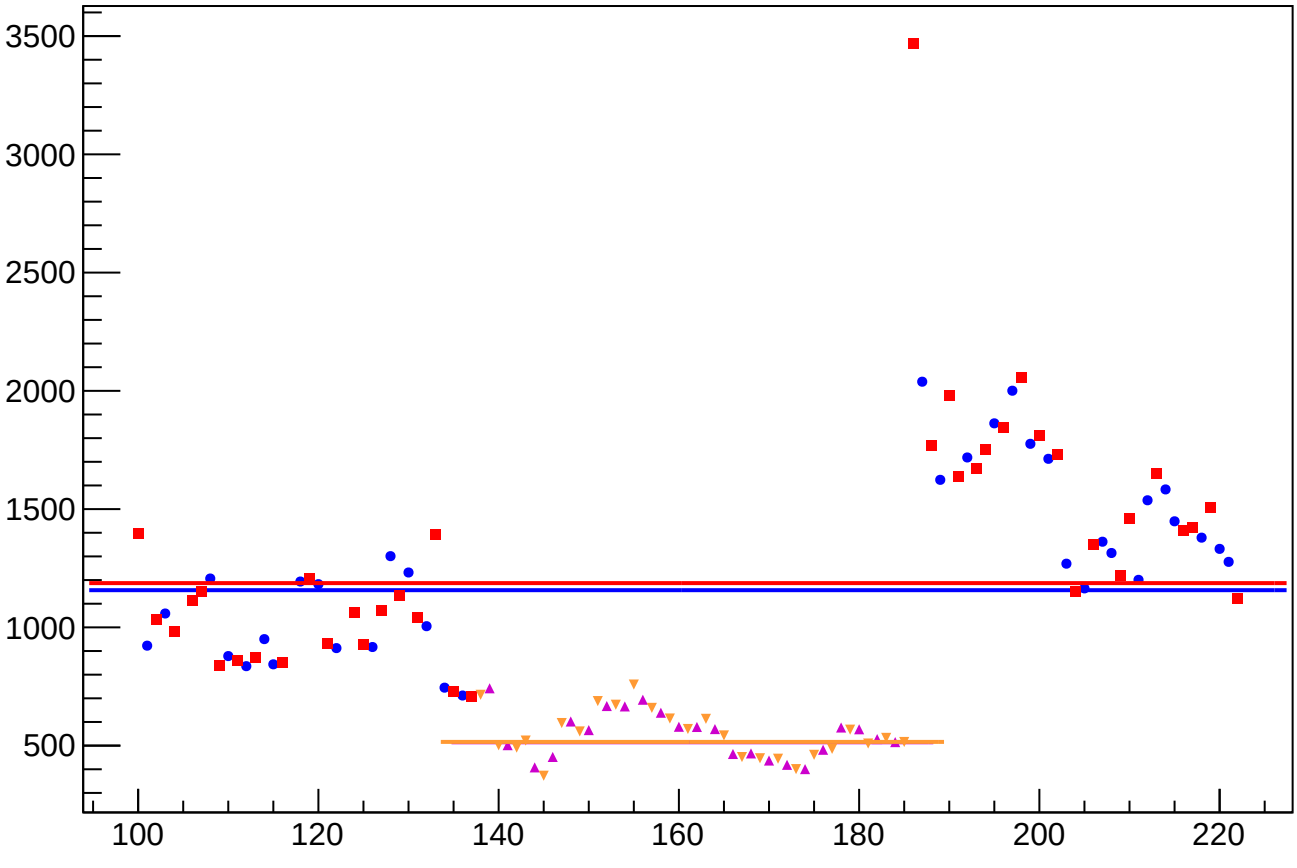
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

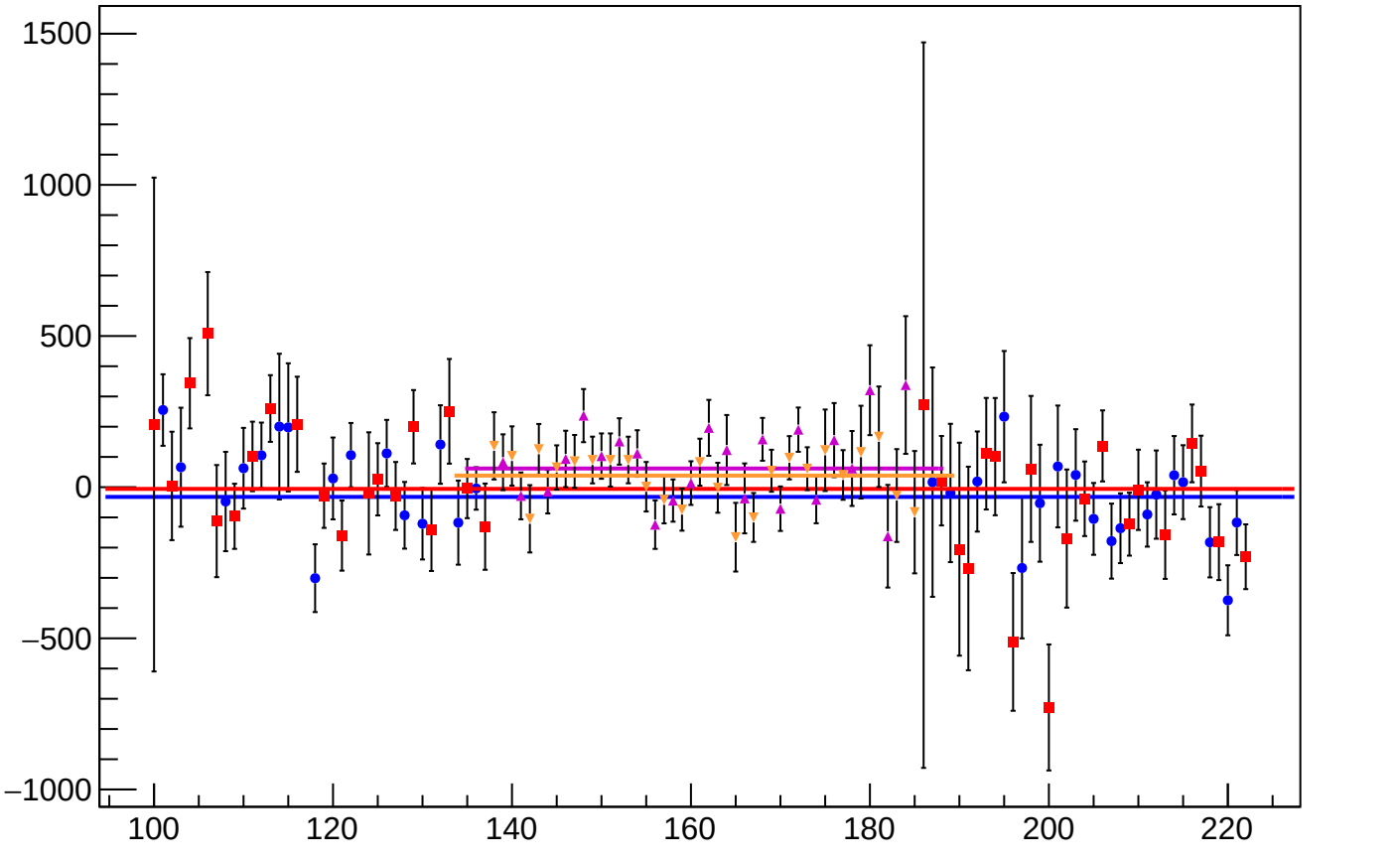
Right: 61.190+/-183.577 χ^2/NDF: 160.9/71

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -257.075+/-108.631 χ^2/NDF:169.5/62

All: -201.602+/-77.440 χ^2/NDF: 268.8/119


asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1157.222+/-0.182 χ²/NDF: 3212215.4/33
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1187.128+/-0.186 χ²/NDF: 3664995.3/37
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
Left: 514.945+/-0.060 χ²/NDF: 2349554.8/47
Right: 1171.843+/-0.130 χ²/NDF: 6890473.8/71
In: 633.024+/-0.078 χ²/NDF:14555386.6/56
Out: 630.691+/-0.077 χ²/NDF:15735903.1/62
All: 631.838+/-0.055 χ²/NDF: 30291743.3/1



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: -5.720+/-23.088 χ^2/NDF: 61.4/37

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

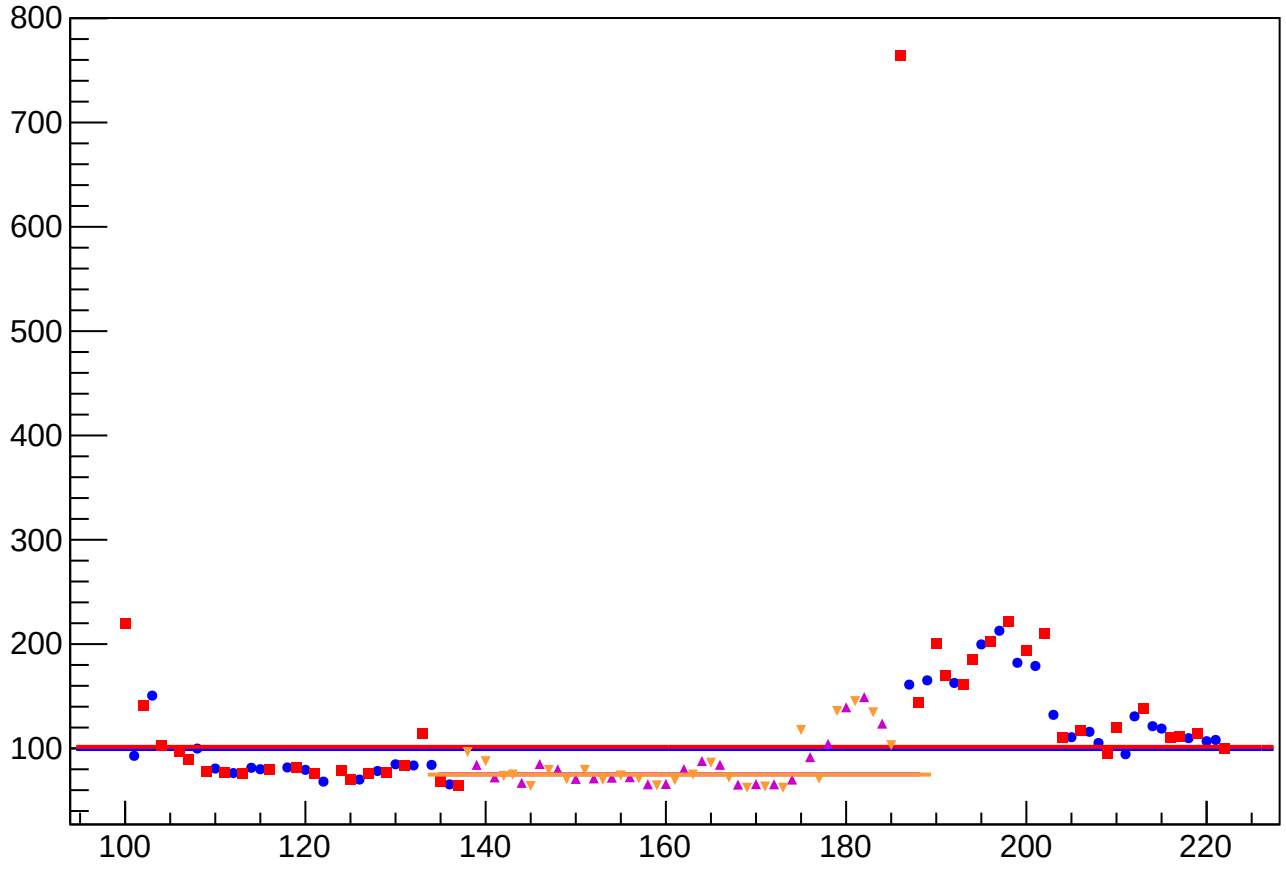
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -19.388+/-16.082 χ^2/NDF: 102.4/71

In: 24.394+/-14.125 χ^2/NDF:87.7/56

Out: 22.029+/-14.032 χ^2/NDF:82.5/62

All: 23.204+/-9.955 χ^2/NDF: 170.2/119



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: 101.497+/-0.016 χ^2/NDF: 5004107.3/37

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

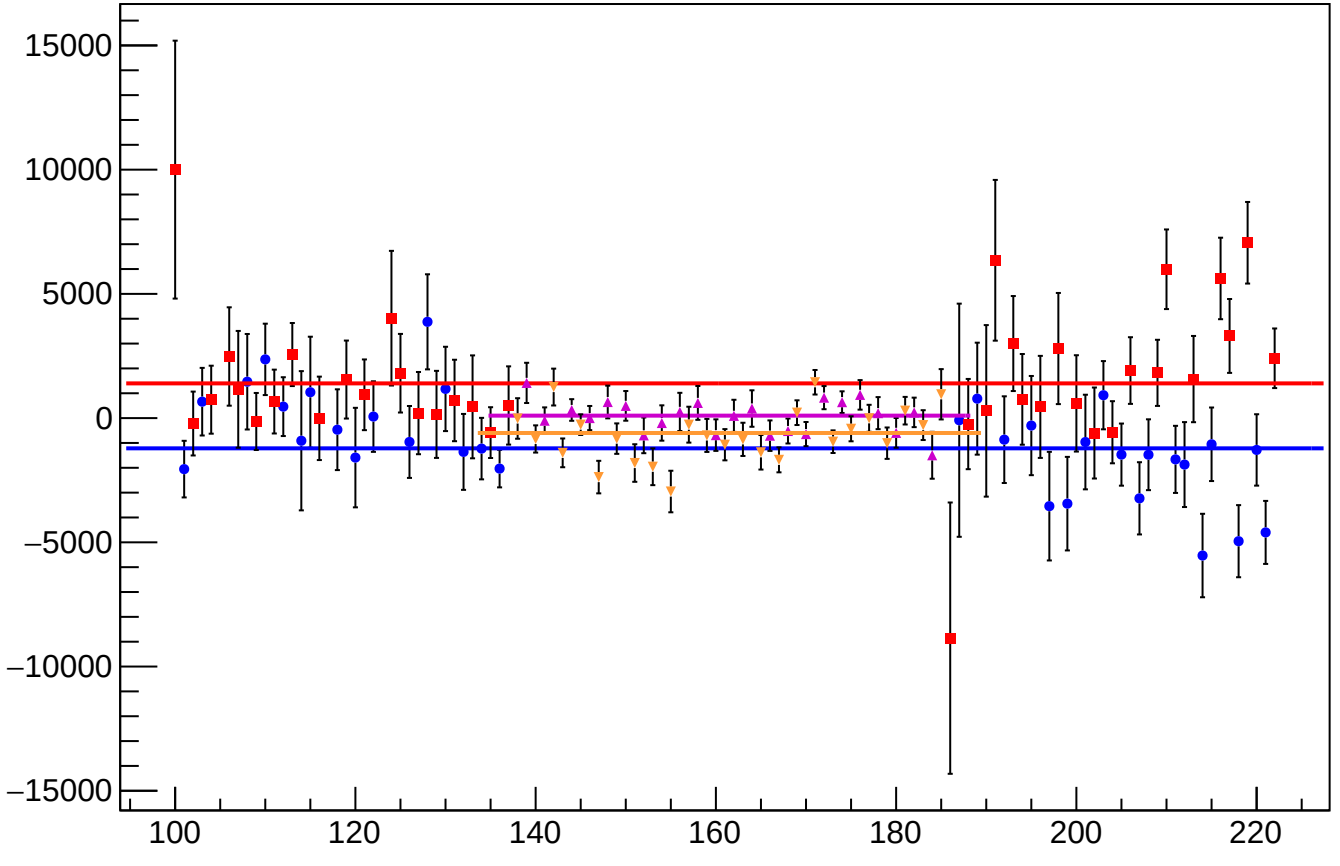
Right: 100.416+/-0.011 χ^2/NDF: 8823075.9/71

In: 84.783+/-0.010 χ^2/NDF:6533370.6/56

Out: 84.726+/-0.010 χ^2/NDF:8339102.0/62

All: 84.754+/-0.007 χ^2/NDF: 14872489.1/119

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1397.534+/-262.554 χ^2/NDF: 56.5/37

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

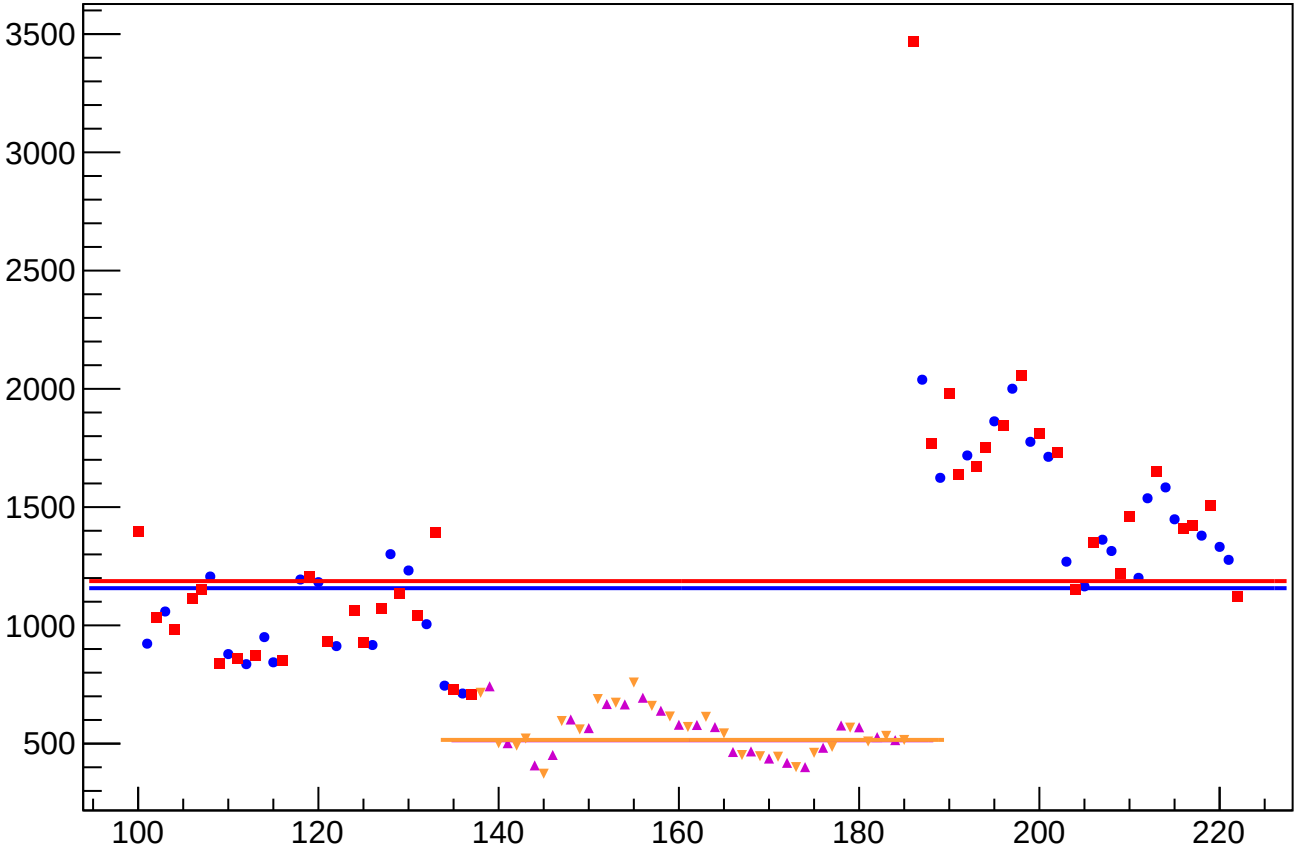
Right: 61.191+/-183.577 χ^2/NDF: 160.9/71

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -257.075+/-108.631 χ^2/NDF:169.5/62

All: -201.602+/-77.440 χ^2/NDF: 268.8/119

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1157.220+/-0.182 χ^2/NDF: 3212226.4/33

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1187.126+/-0.186 χ^2/NDF: 3665008.5/37

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

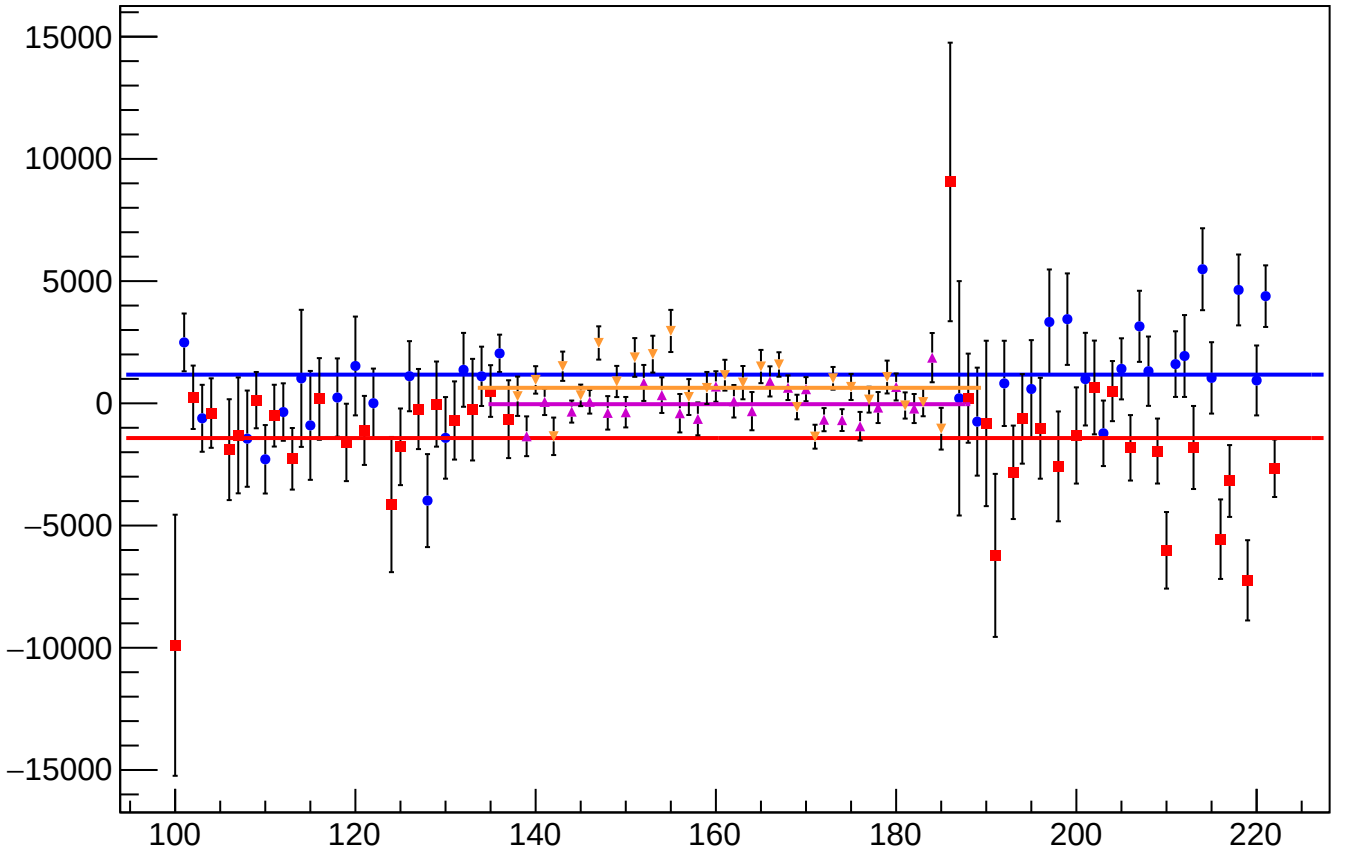
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1171.841+/-0.130 χ^2/NDF: 6890497.8/71

In: 633.023+/-0.078 χ^2/NDF:14555393.8/56

Out: 630.690+/-0.077 χ^2/NDF:15735917.6/62

All: 631.837+/-0.055 χ^2/NDF: 30291765.1/11



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: -1420.173+/-262.863 χ^2/NDF: 56.1/37

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

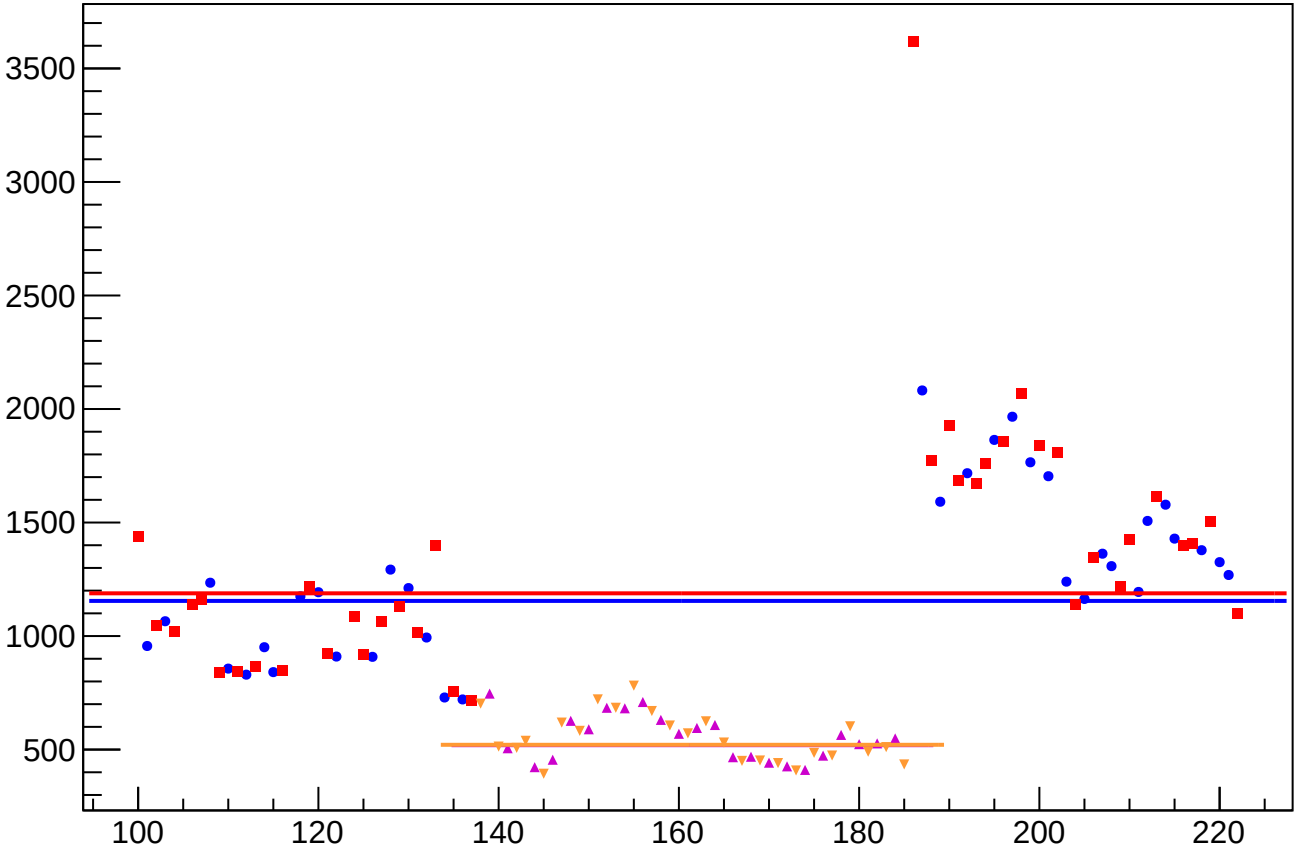
Right: -89.047+/-183.422 χ^2/NDF: 159.3/71

In: 193.387+/-111.251 χ^2/NDF:96.4/56

Out: 276.876+/-109.702 χ^2/NDF:171.1/62

All: 235.716+/-78.113 χ^2/NDF: 267.8/119

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1154.769+/-0.181 χ^2/NDF: 3138025.8/33

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1188.201+/-0.186 χ^2/NDF: 3651413.3/37

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

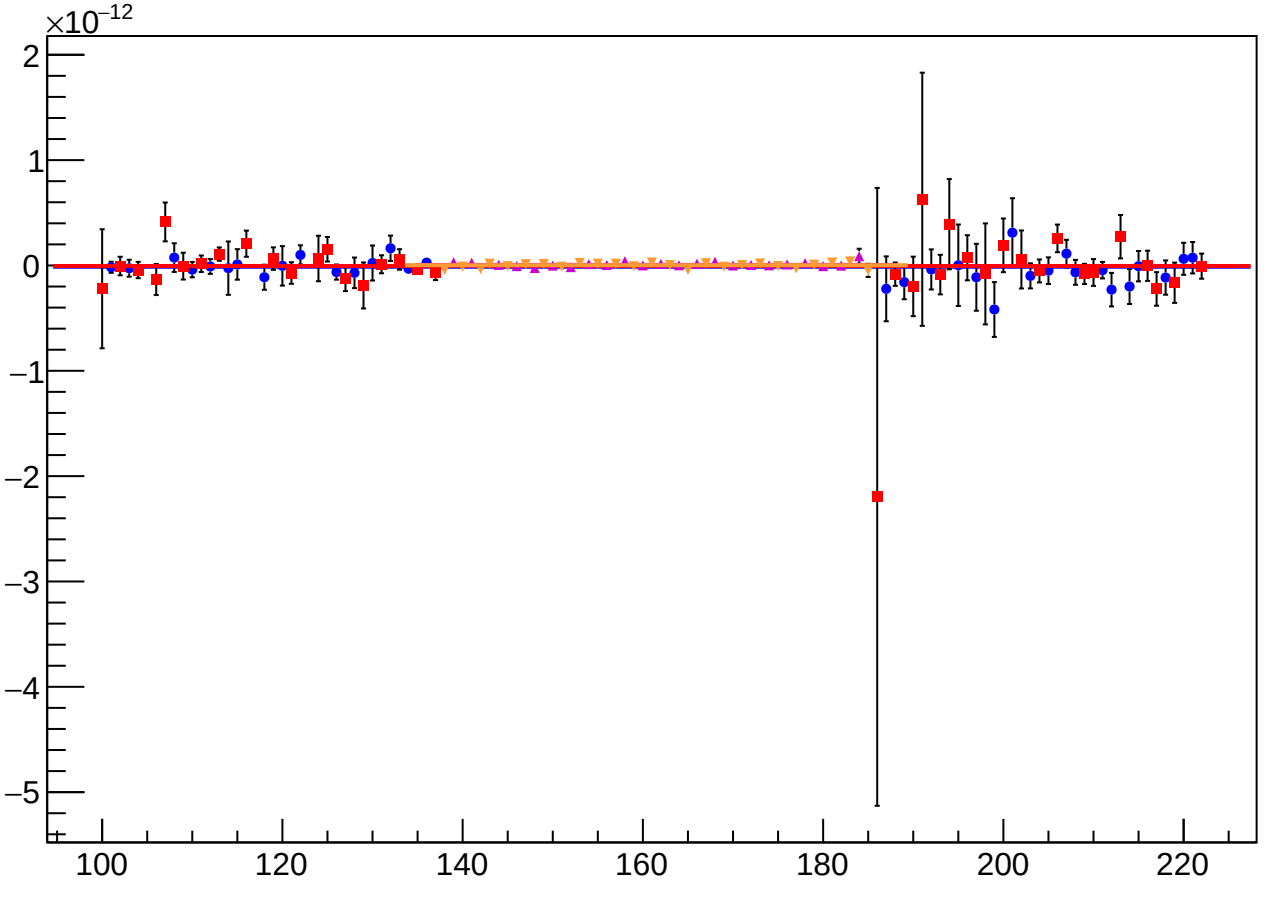
Right: 1171.047+/-0.130 χ^2/NDF: 6806038.4/71

In: 639.201+/-0.079 χ^2/NDF:14232859.5/56

Out: 637.226+/-0.078 χ^2/NDF:15534472.1/62

All: 638.199+/-0.055 χ^2/NDF: 29767651.1/11

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/37

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

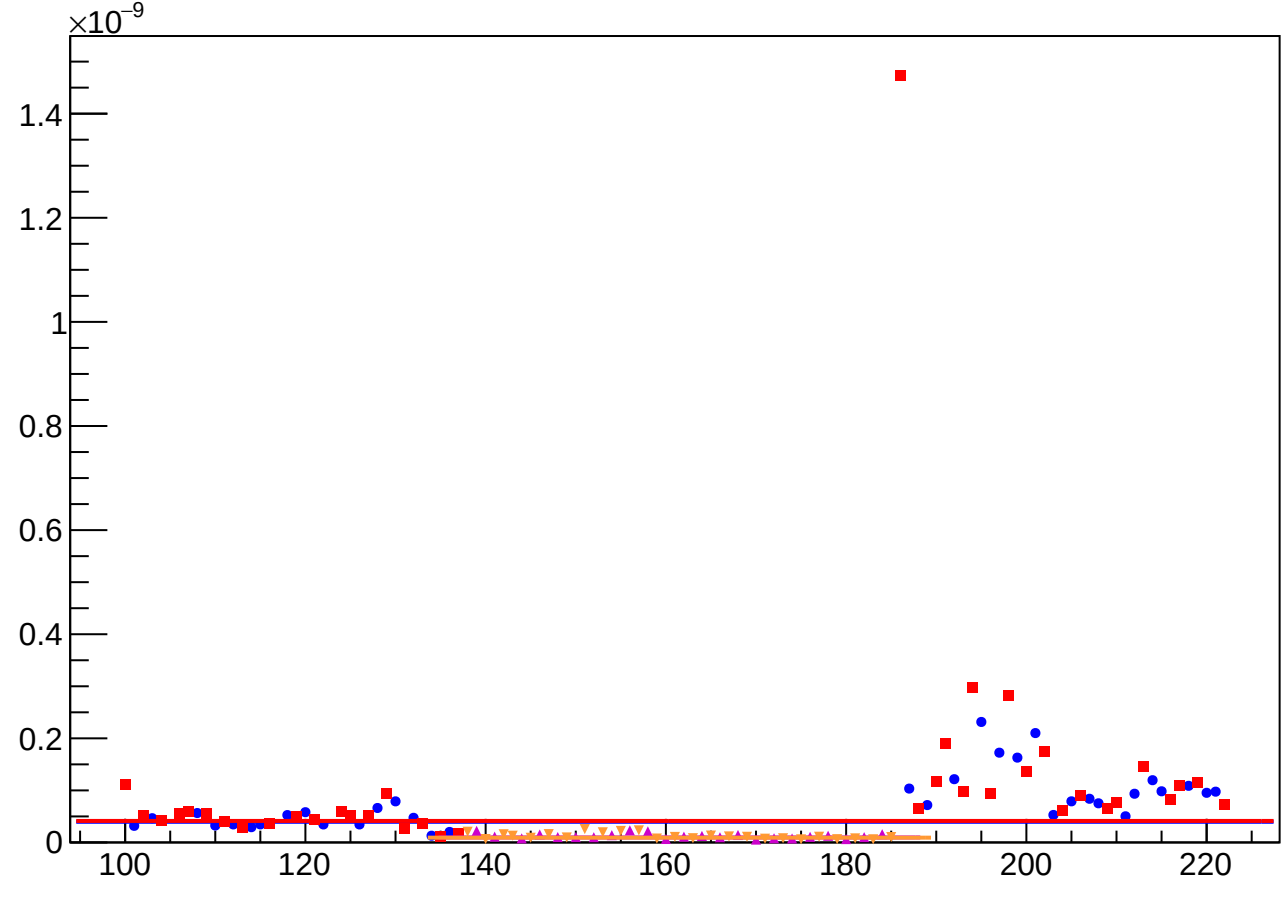
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.8/71

In: 0.000+/-0.000 χ^2/NDF:30.1/56

Out: 0.000+/-0.000 χ^2/NDF:55.1/62

All: 0.000+/-0.000 χ^2/NDF: 85.4/119



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: 7539494.9/37

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

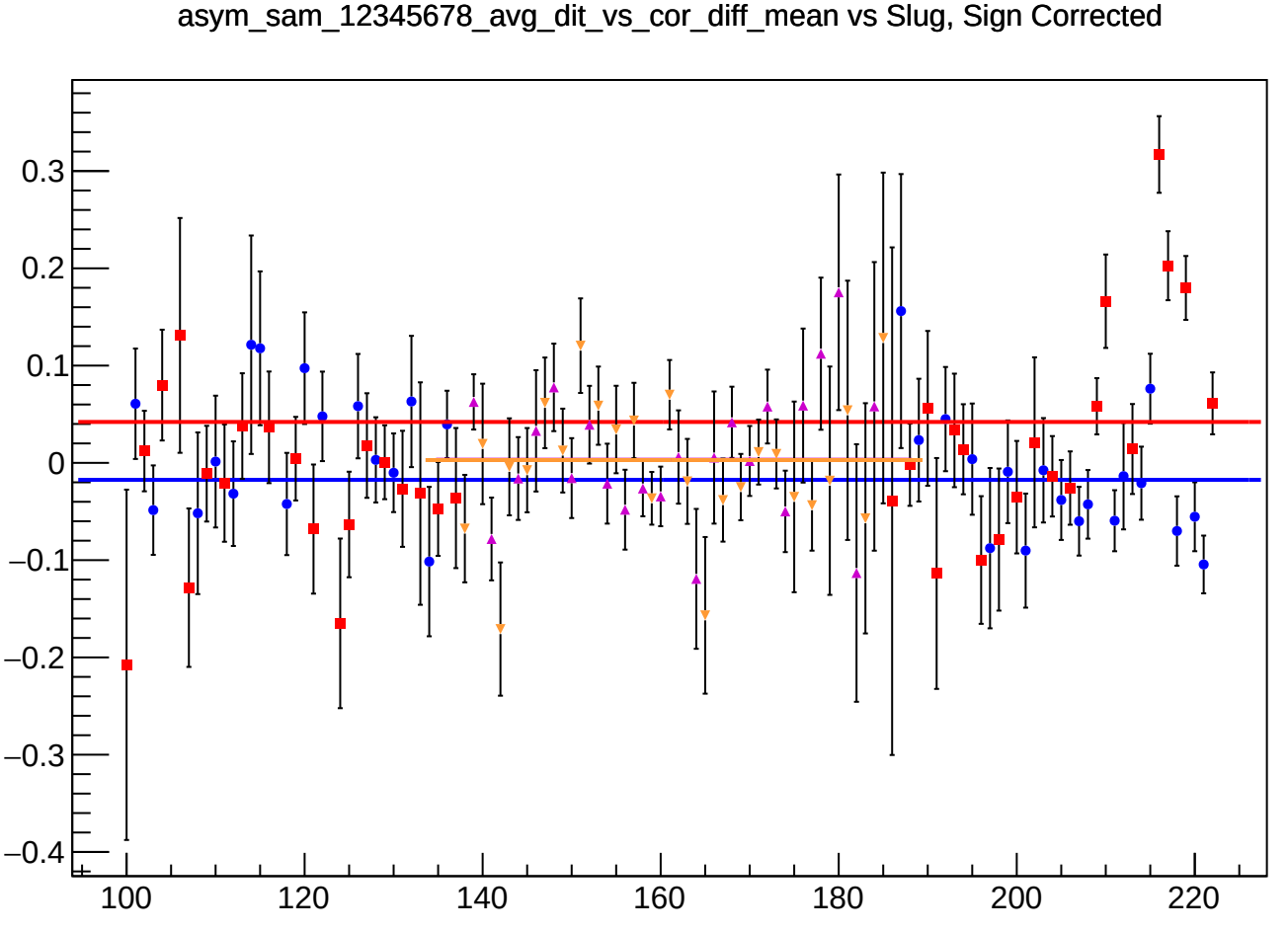
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14480414.6/71

In: 0.000+/-0.000 χ^2/NDF:15322110.7/56

Out: 0.000+/-0.000 χ^2/NDF:16358615.8/62

All: 0.000+/-0.000 χ^2/NDF: 31713561.9/119



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: 0.042+/-0.008 χ^2/NDF: 143.0/37

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

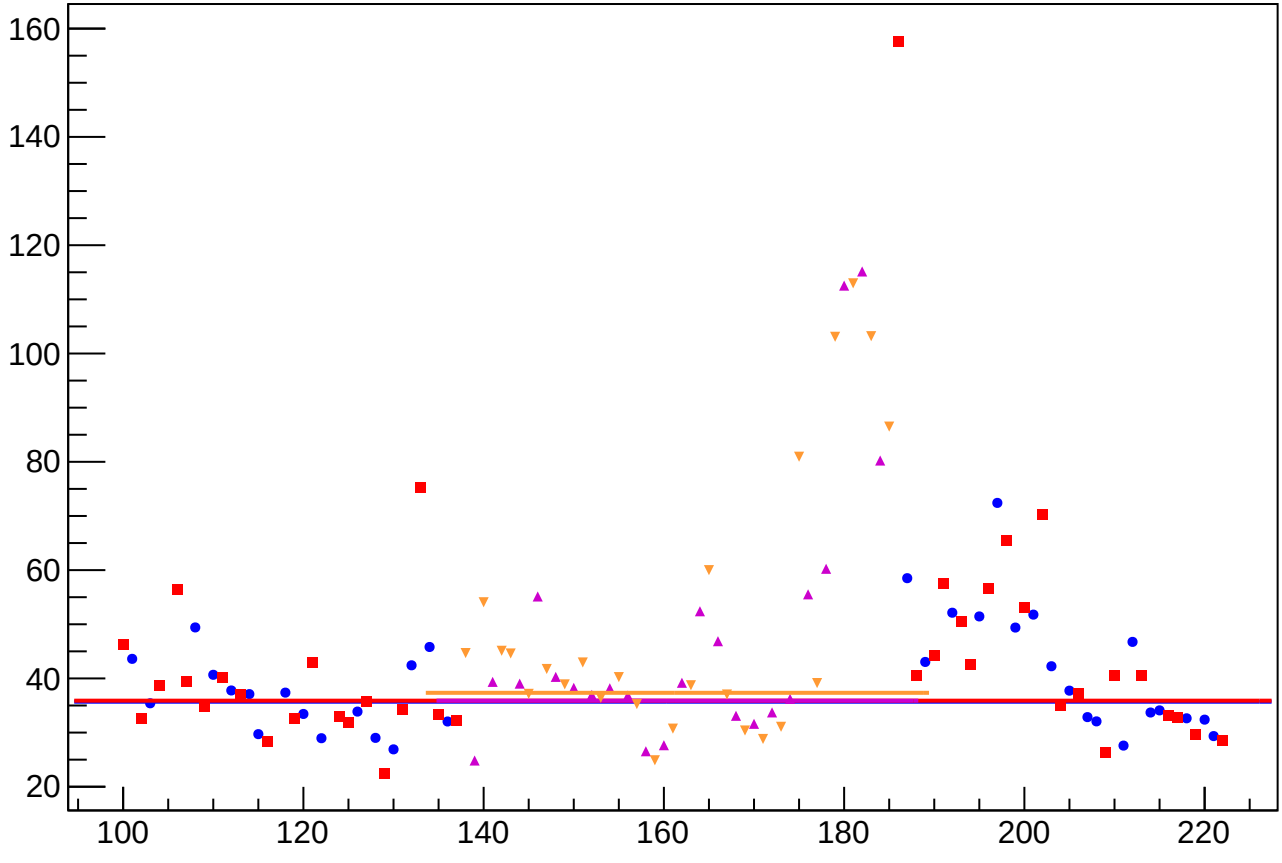
Right: 0.012+/-0.006 χ^2/NDF: 219.3/71

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.025+/-0.006 χ^2/NDF:185.9/62

All: 0.008+/-0.004 χ^2/NDF: 283.0/119

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 35.893+/-0.006 χ^2/NDF: 2875937.5/37

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

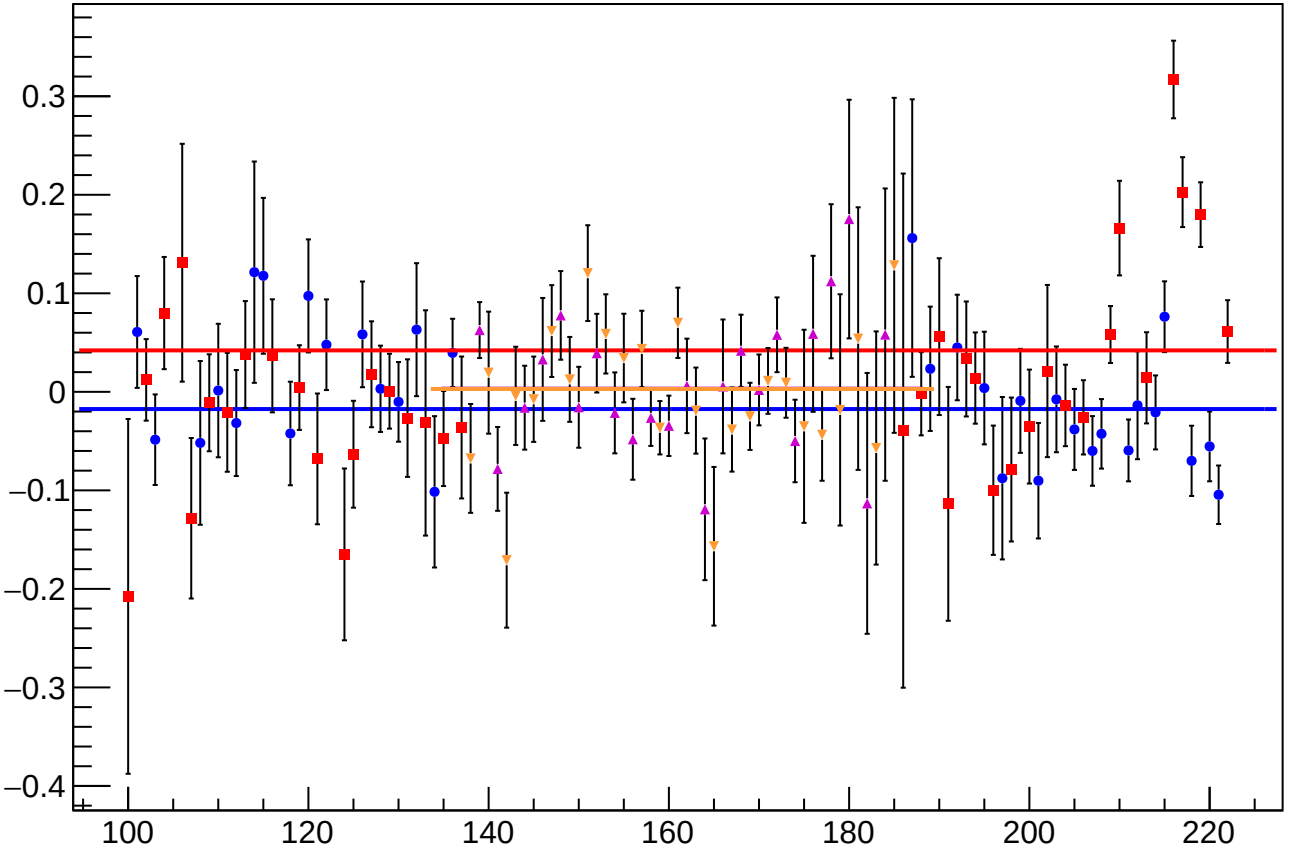
Right: 35.796+/-0.004 χ^2/NDF: 4782213.4/71

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.530+/-0.004 χ^2/NDF:6600135.0/62

All: 36.153+/-0.003 χ^2/NDF: 11659550.6/119

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: 0.042+/-0.008 χ^2/NDF: 143.0/37

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

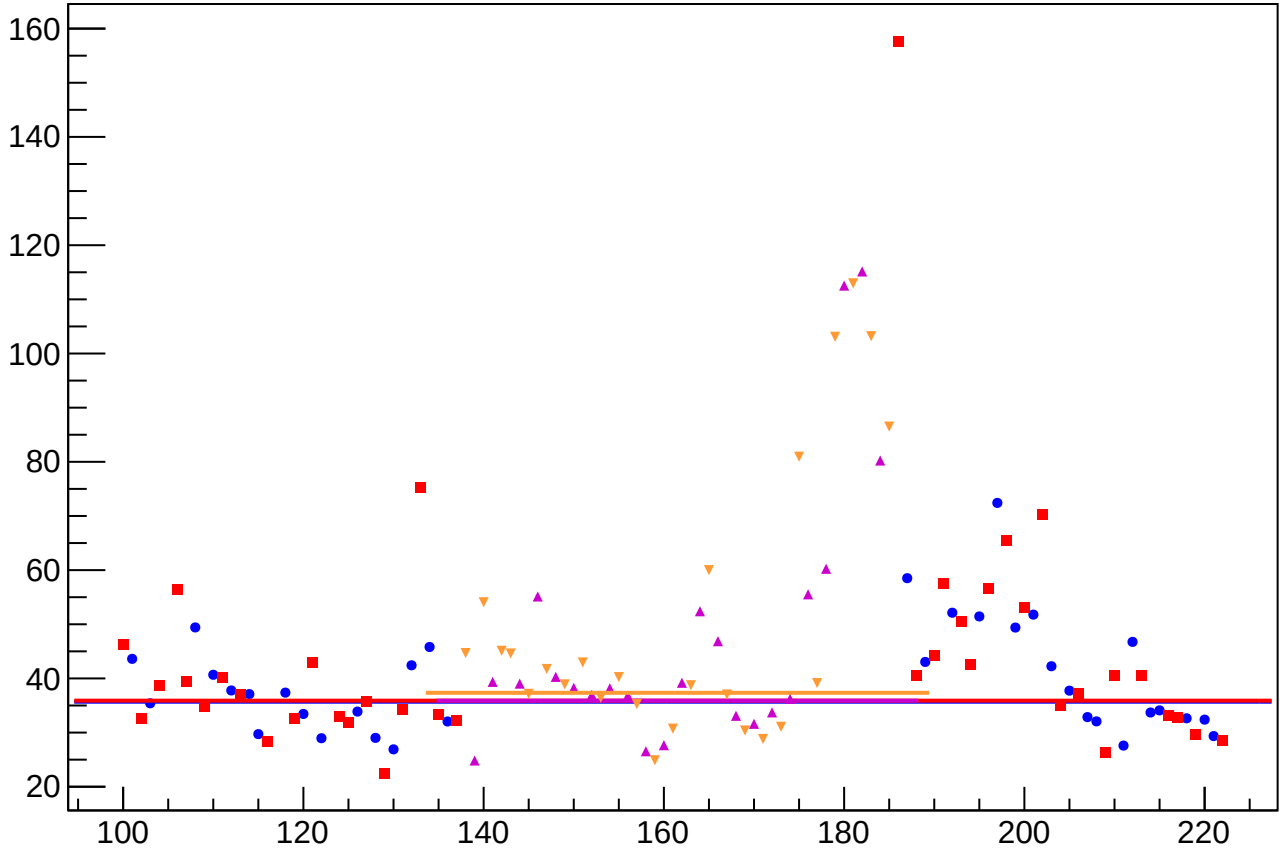
Right: 0.012+/-0.006 χ^2/NDF: 219.3/71

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.025+/-0.006 χ^2/NDF:185.9/62

All: 0.008+/-0.004 χ^2/NDF: 283.0/119

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 35.893+/-0.006 χ^2/NDF: 2875937.5/37

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

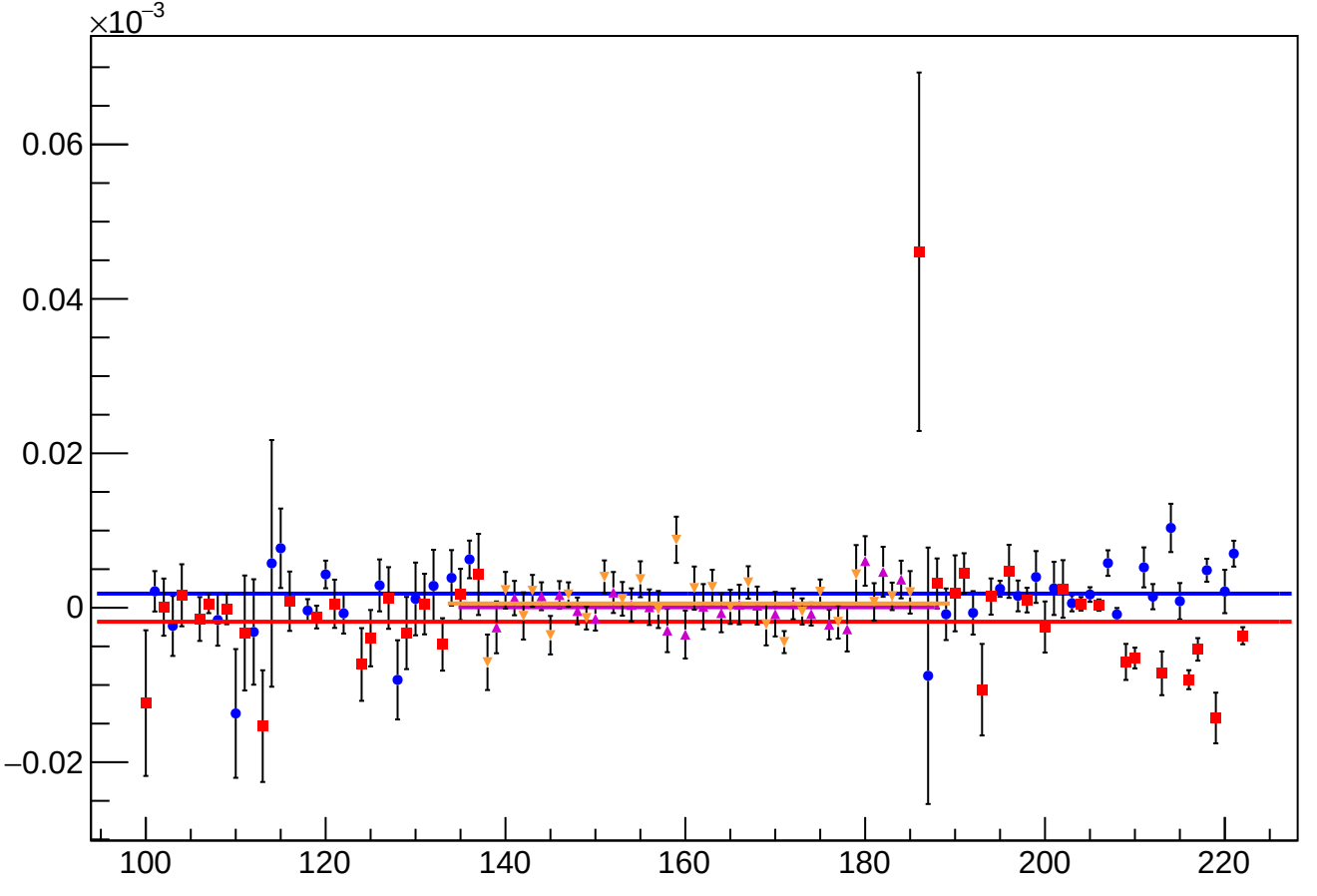
Right: 35.796+/-0.004 χ^2/NDF: 4782213.4/71

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.530+/-0.004 χ^2/NDF:6600135.0/62

All: 36.153+/-0.003 χ^2/NDF: 11659550.6/119

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 64.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 141.1/37

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

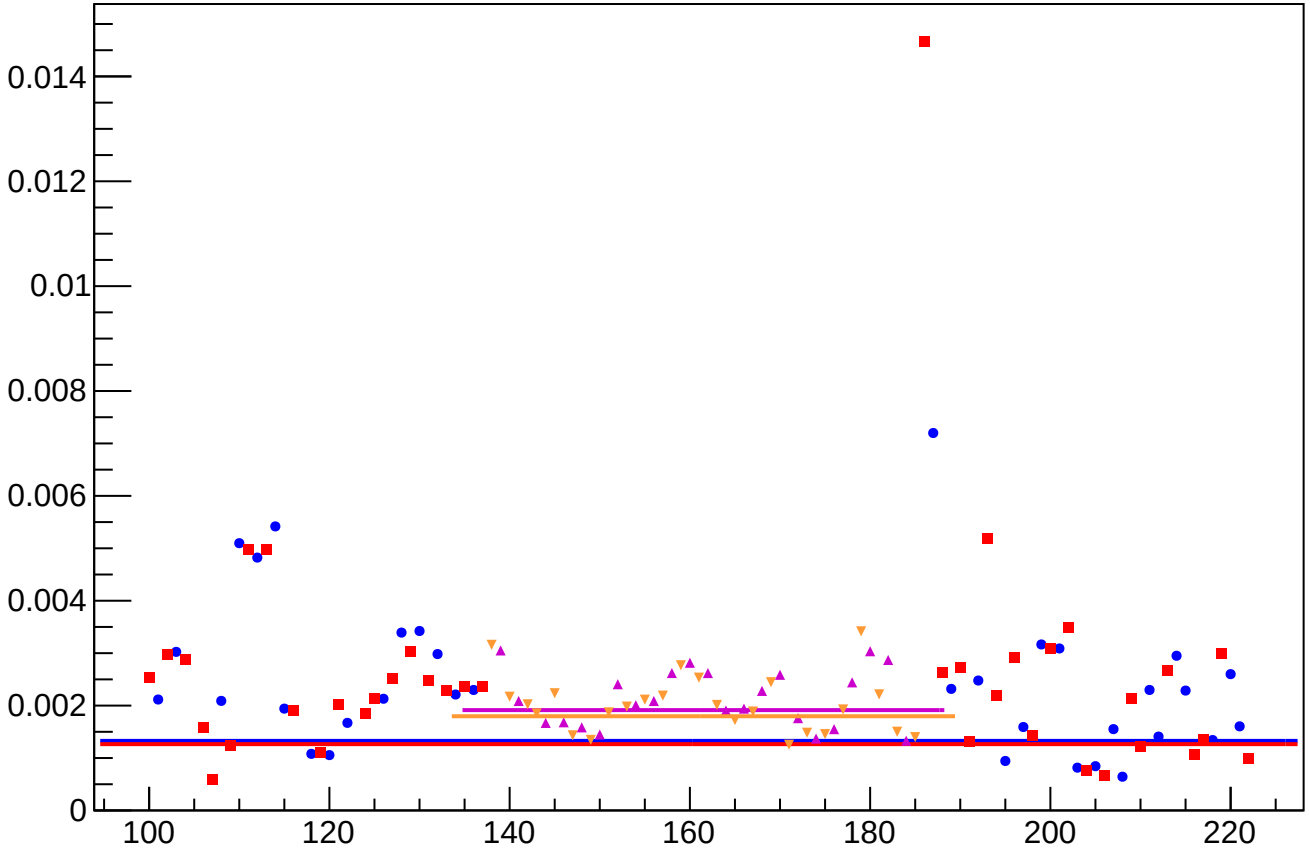
Right: -0.000+/-0.000 χ^2/NDF: 266.9/71

In: 0.000+/-0.000 χ^2/NDF:91.1/56

Out: -0.000+/-0.000 χ^2/NDF:204.2/62

All: 0.000+/-0.000 χ^2/NDF: 329.0/119

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: 11622712.7/37

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

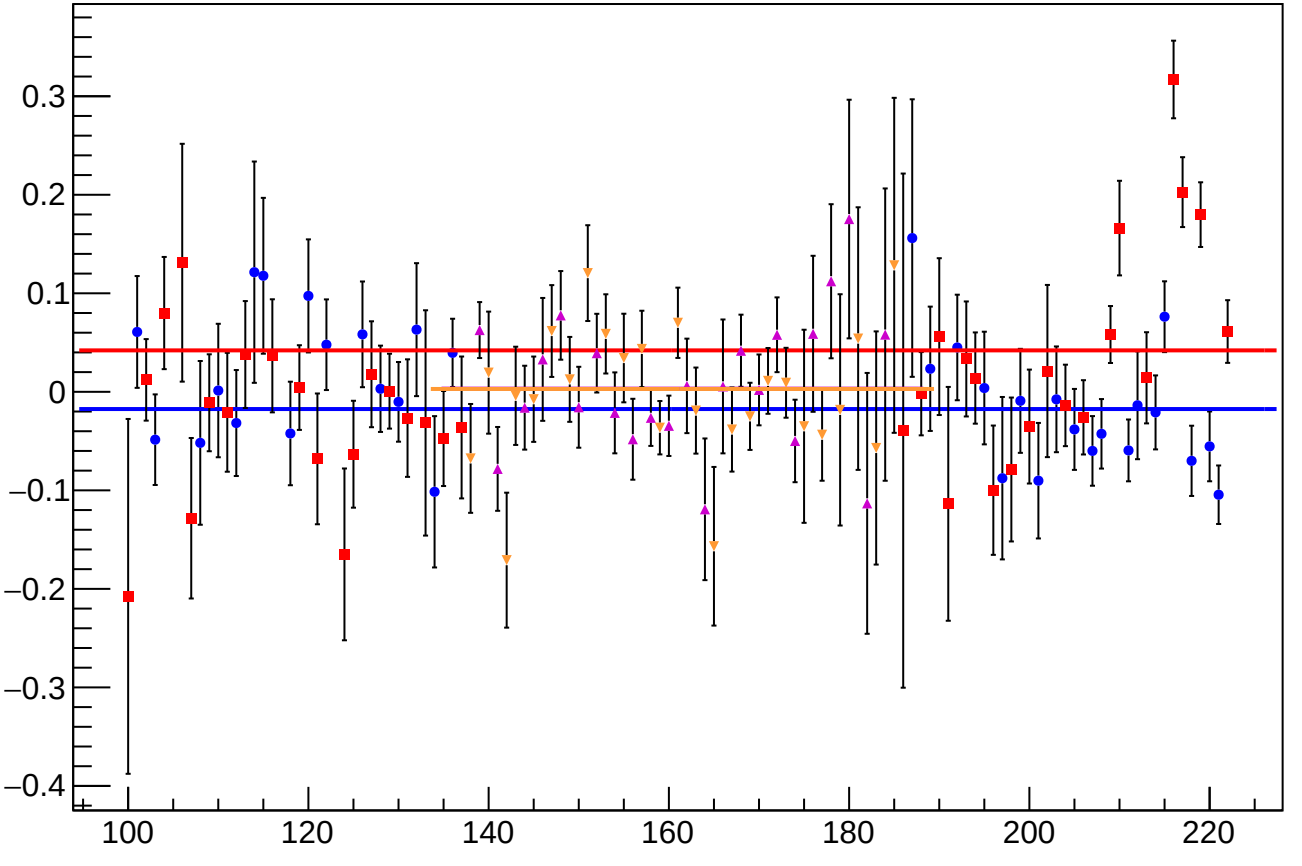
Right: 0.001+/-0.000 χ^2/NDF: 21307991.8/71

In: 0.002+/-0.000 χ^2/NDF:13921838.2/56

Out: 0.001+/-0.000 χ^2/NDF:15894028.5/62

All: 0.001+/-0.000 χ^2/NDF: 29878980.4/119

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: 0.042+/-0.008 χ^2/NDF: 143.0/37

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

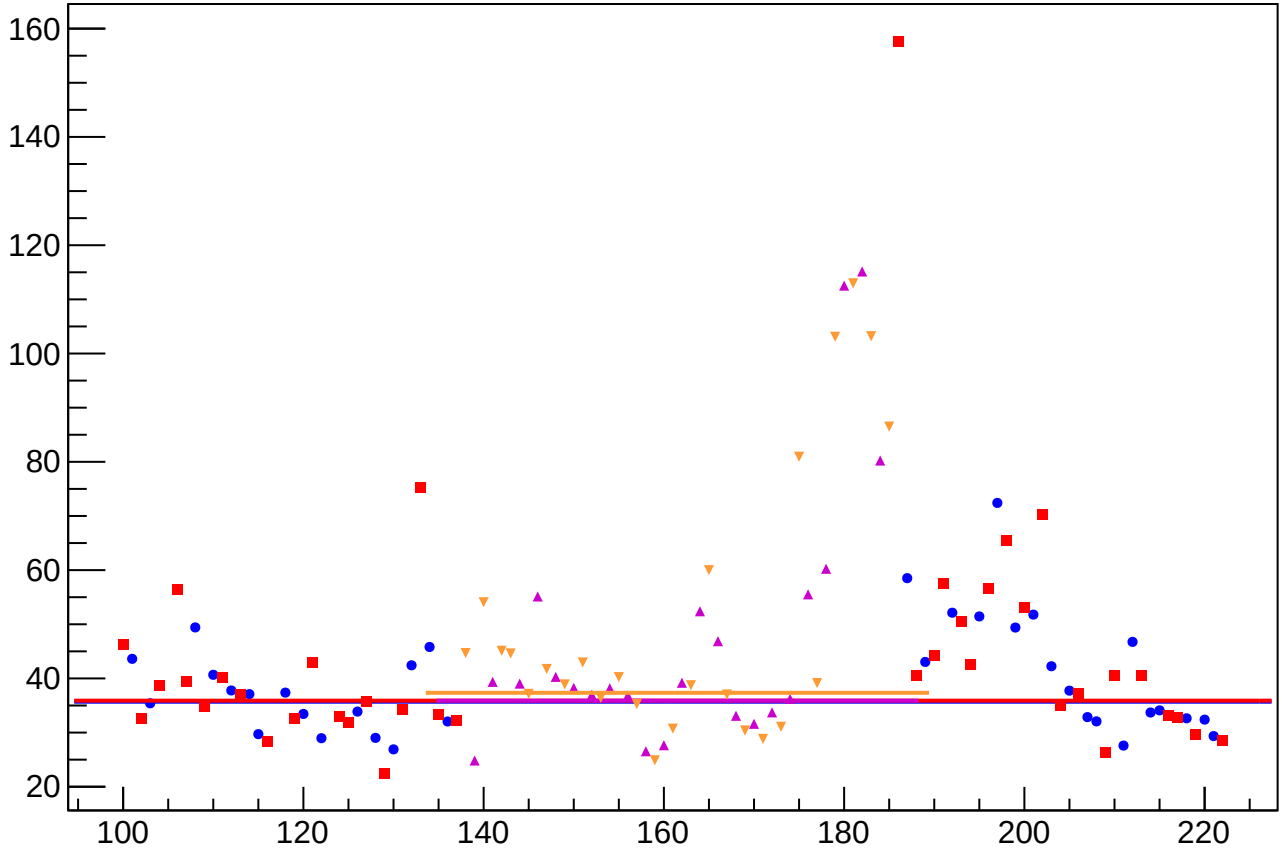
Right: 0.012+/-0.006 χ^2/NDF: 219.3/71

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.025+/-0.006 χ^2/NDF:185.9/62

All: 0.008+/-0.004 χ^2/NDF: 283.0/119

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 35.892+/-0.006 χ^2/NDF: 2876039.6/37

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

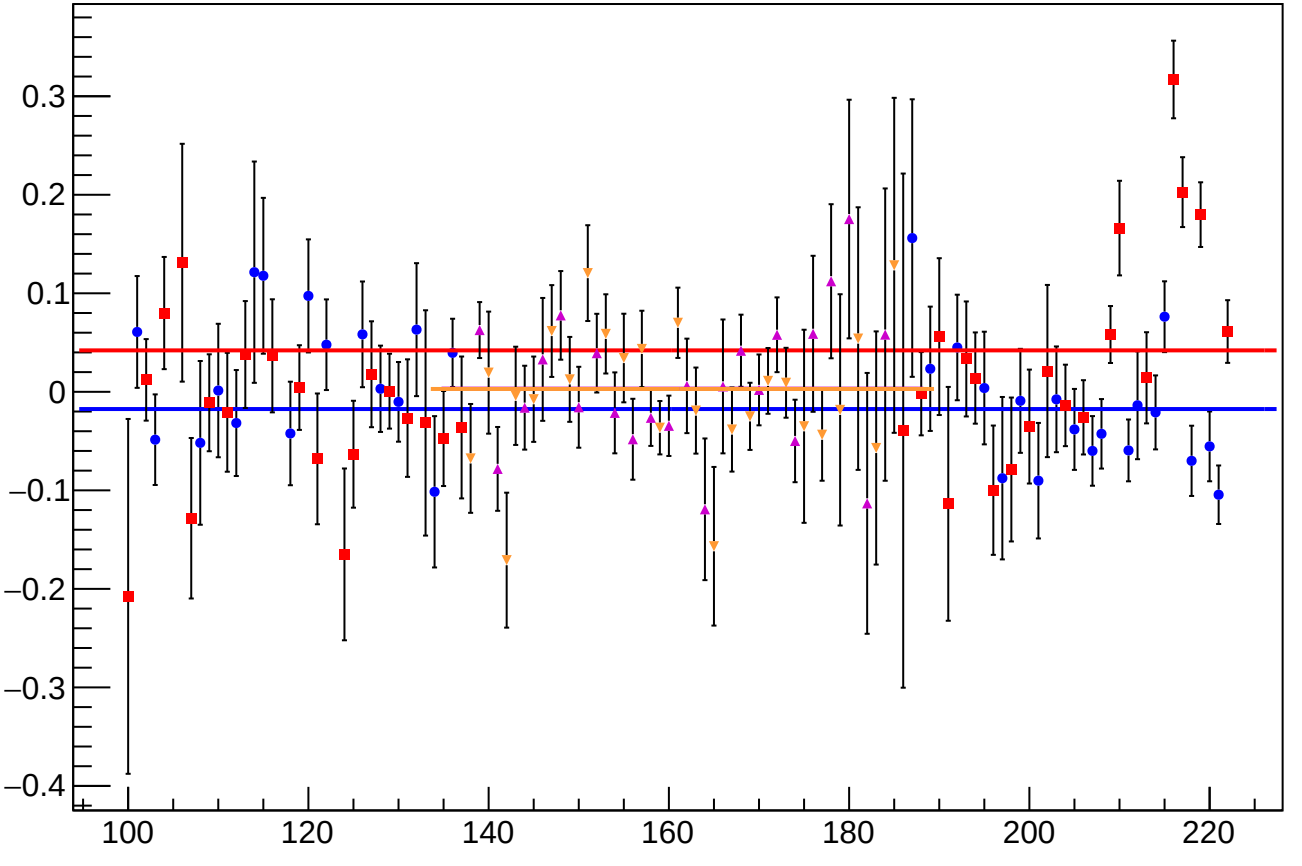
Right: 35.795+/-0.004 χ^2/NDF: 4782372.3/71

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.530+/-0.004 χ^2/NDF:6600310.0/62

All: 36.153+/-0.003 χ^2/NDF: 11659800.6/119

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.008 χ^2/NDF: 49.4/33

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.042+/-0.008 χ^2/NDF: 143.0/37

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

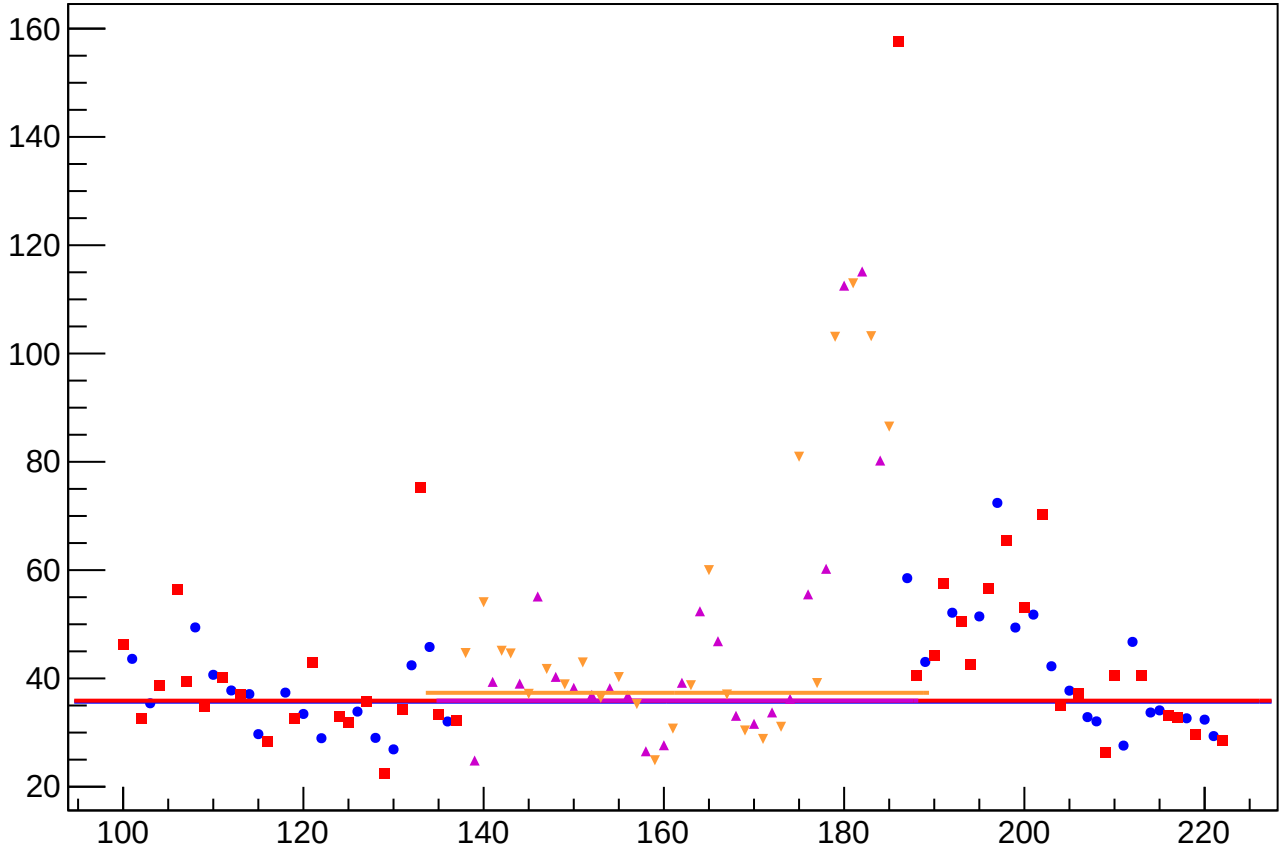
Right: 0.012+/-0.006 χ^2/NDF: 219.3/71

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.025+/-0.006 χ^2/NDF:185.9/62

All: 0.008+/-0.004 χ^2/NDF: 283.0/119

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 35.892+/-0.006 χ^2/NDF: 2876039.6/37

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

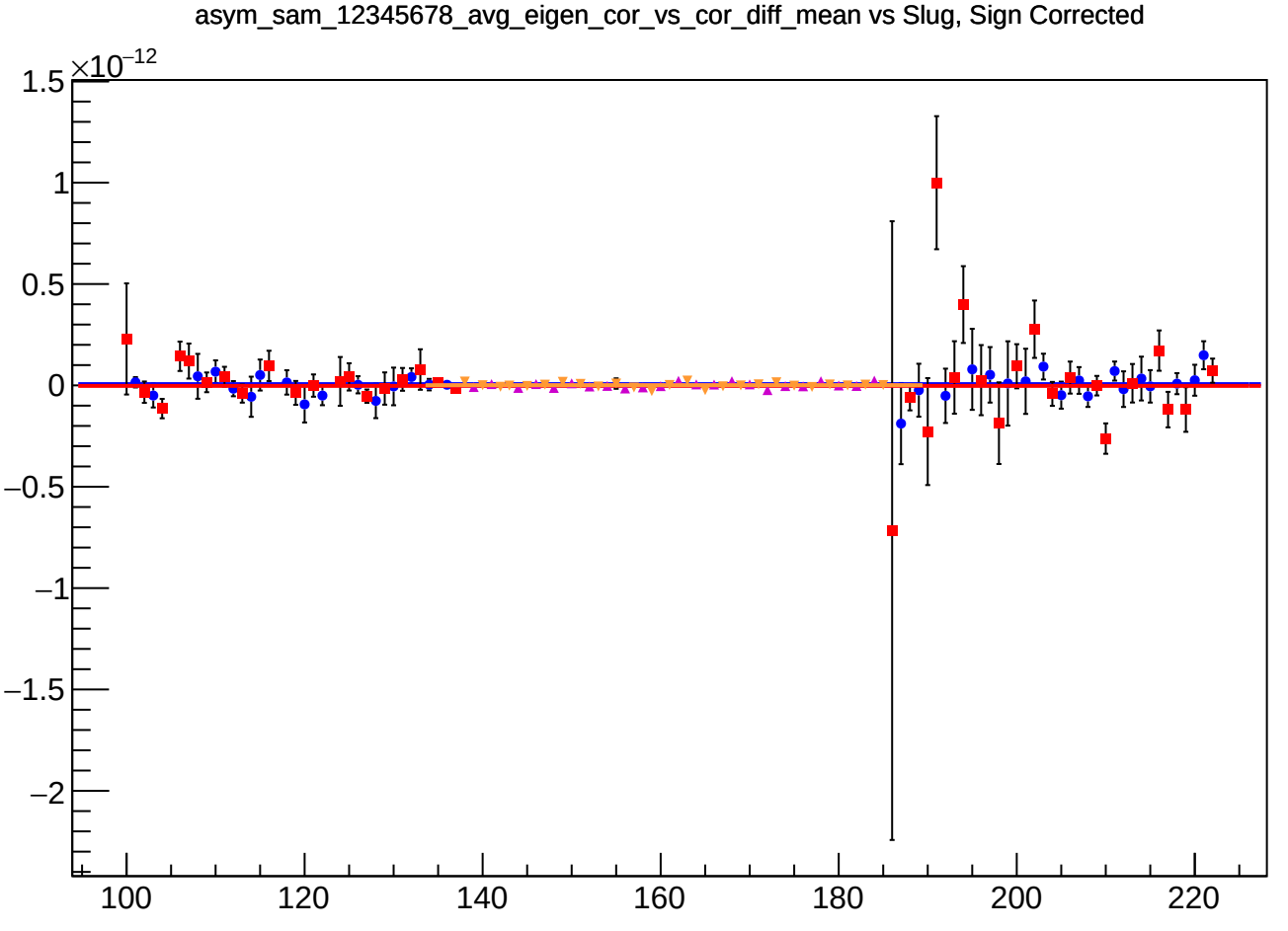
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 35.795+/-0.004 χ^2/NDF: 4782372.3/71

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.530+/-0.004 χ^2/NDF:6600310.0/62

All: 36.153+/-0.003 χ^2/NDF: 11659800.6/119



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 63.0/37

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

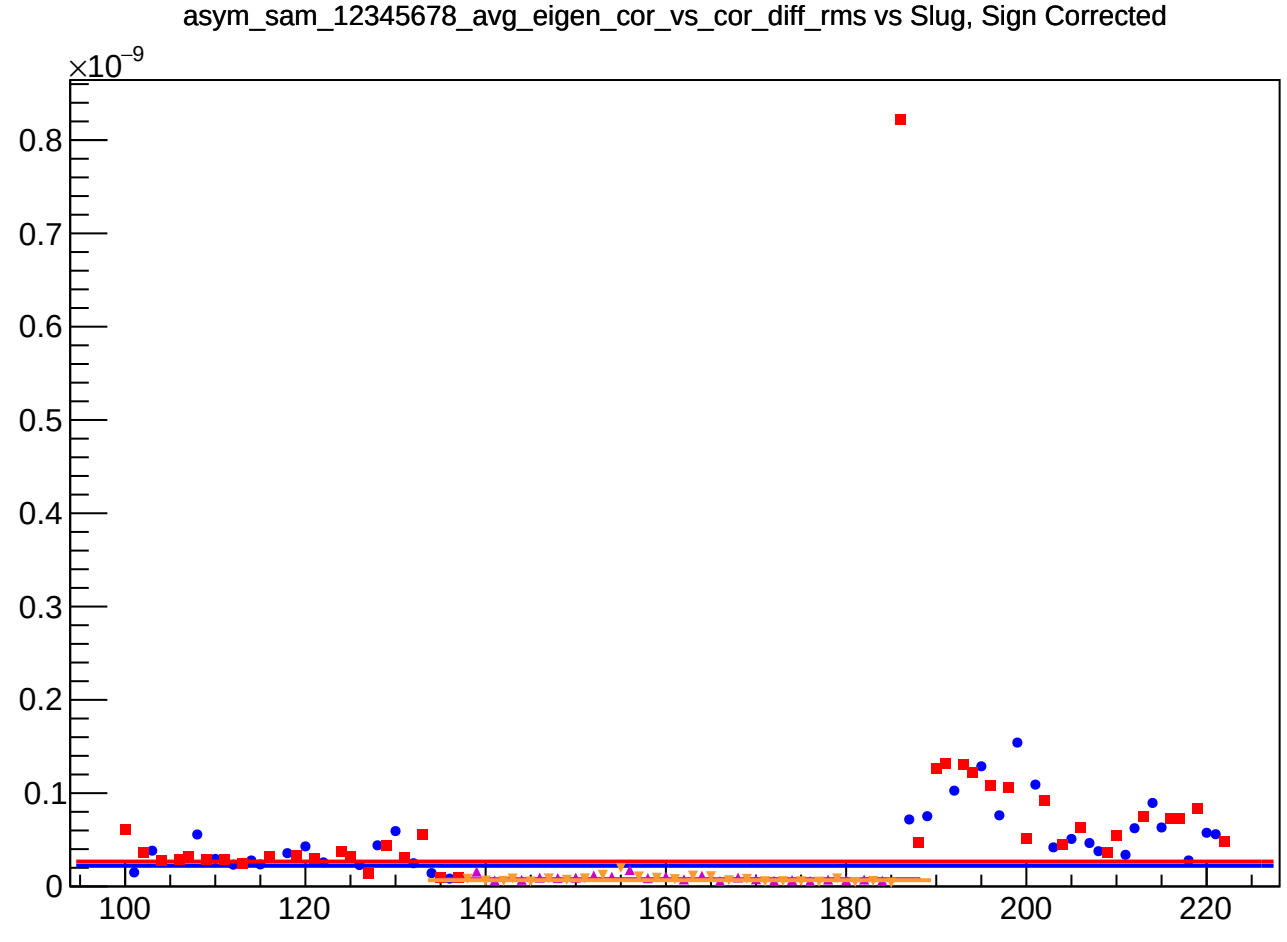
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 83.0/71

In: 0.000+/-0.000 χ^2/NDF:49.1/56

Out: 0.000+/-0.000 χ^2/NDF:84.5/62

All: 0.000+/-0.000 χ^2/NDF: 133.7/119



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: 10483091.2/37

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

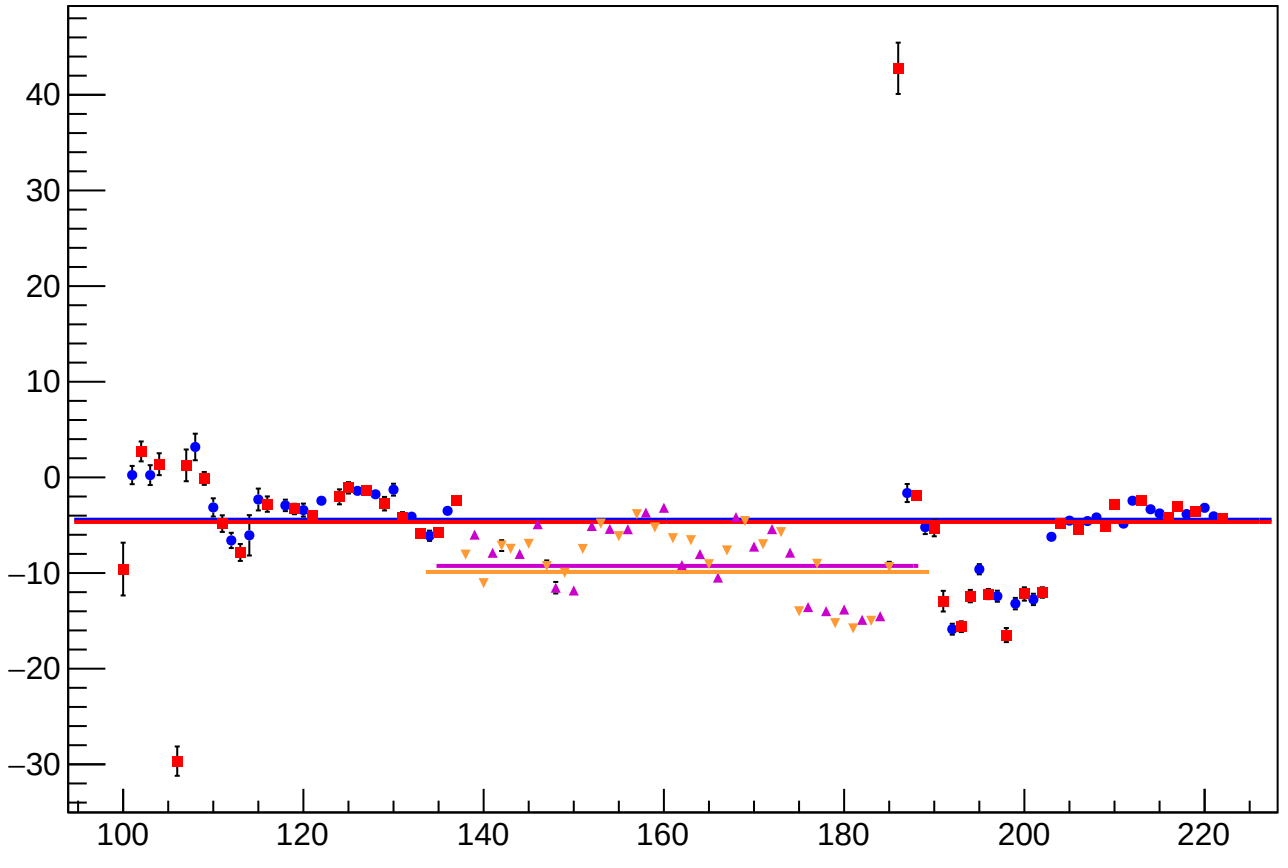
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 21836836.9/71

In: 0.000+/-0.000 χ^2/NDF:18791041.9/56

Out: 0.000+/-0.000 χ^2/NDF:21728489.9/62

All: 0.000+/-0.000 χ^2/NDF: 40882755.9/119



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: -4.660+/-0.077 χ^2/NDF: 2447.6/37

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

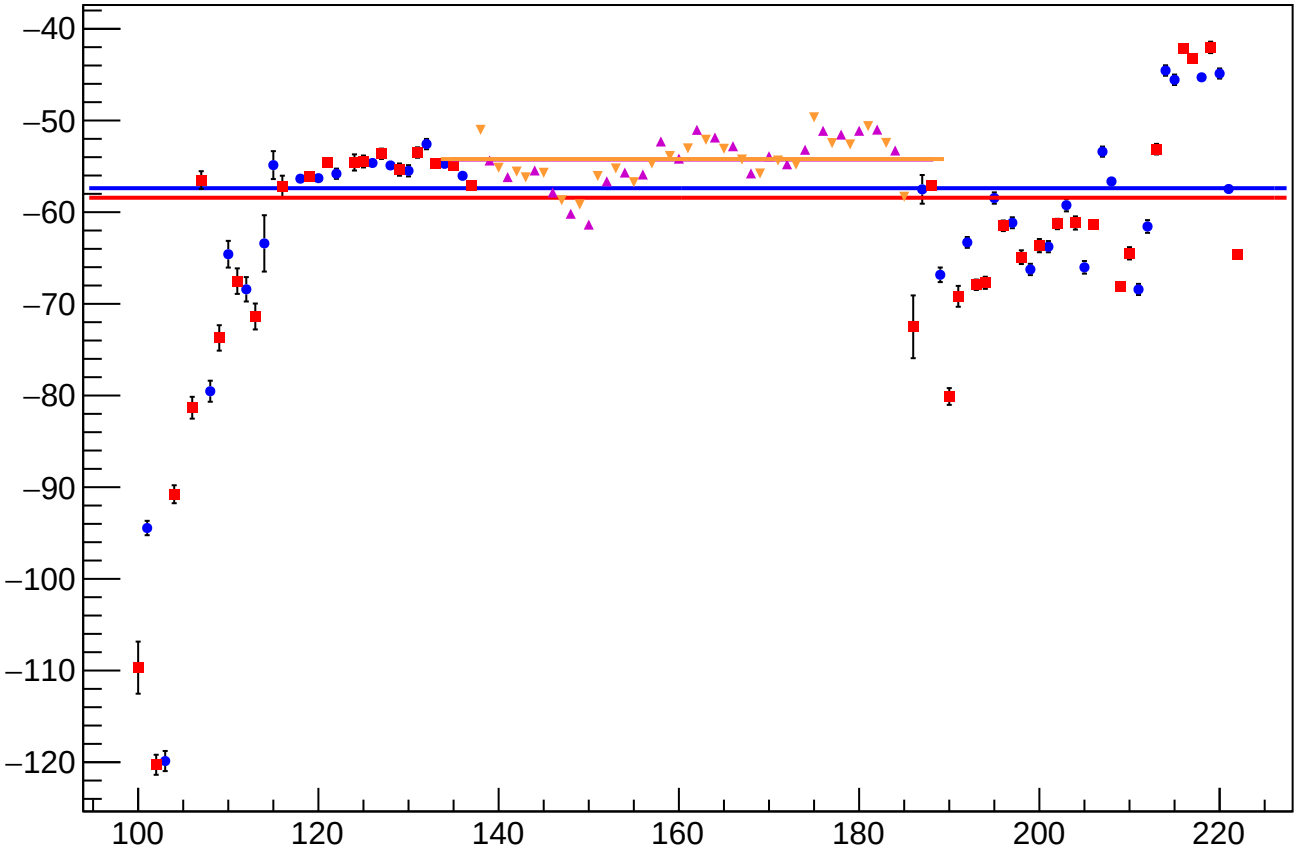
Right: -4.538+/-0.054 χ^2/NDF: 3879.2/71

In: -6.948+/-0.052 χ^2/NDF:6666.4/56

Out: -7.548+/-0.052 χ^2/NDF:8182.8/62

All: -7.248+/-0.037 χ^2/NDF: 14916.5/119

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: -58.424+/-0.099 χ^2/NDF: 10309.4/37

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

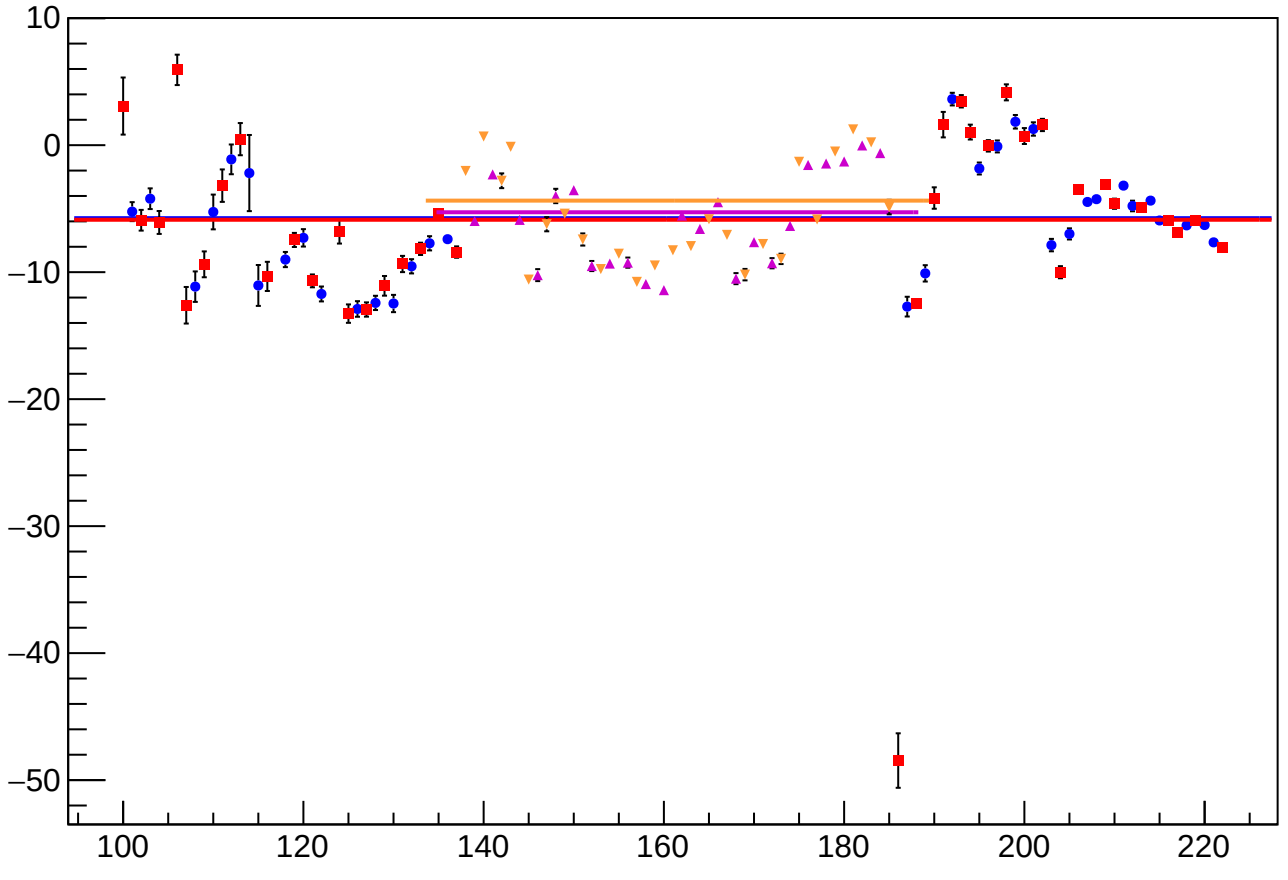
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -57.896+/-0.070 χ^2/NDF: 19883.6/71

In: -55.073+/-0.050 χ^2/NDF:12758.2/56

Out: -55.216+/-0.049 χ^2/NDF:13533.9/62

All: -55.147+/-0.035 χ^2/NDF: 26296.4/119



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: -5.873+/-0.080 χ^2/NDF: 3325.2/37

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

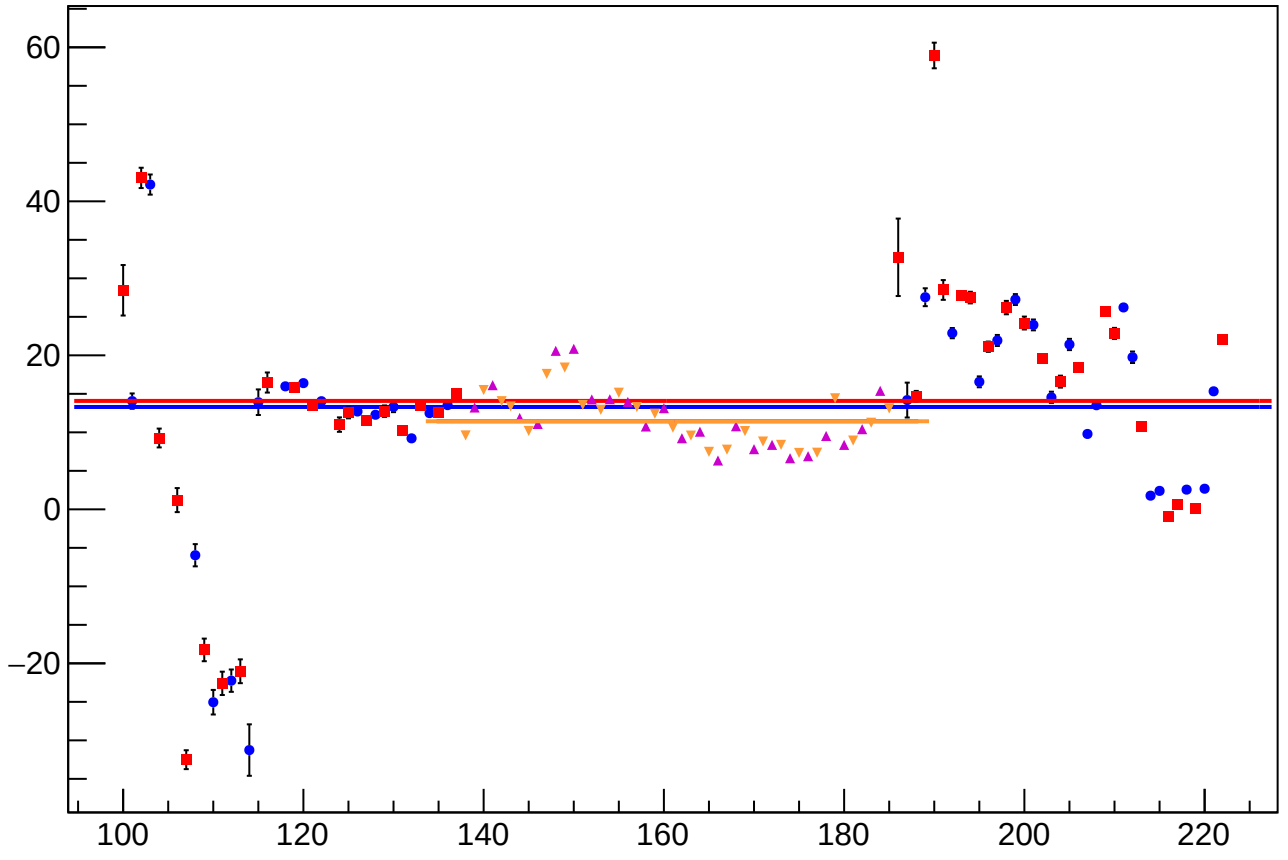
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.809+/-0.056 χ^2/NDF: 5265.3/71

In: -5.495+/-0.052 χ^2/NDF:4708.5/56

Out: -5.015+/-0.052 χ^2/NDF:7230.4/62

All: -5.254+/-0.037 χ^2/NDF: 11980.9/119



Right In: 13.292+/-0.108 χ^2/NDF: 5482.6/33

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.082+/-0.111 χ^2/NDF: 8581.4/37

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

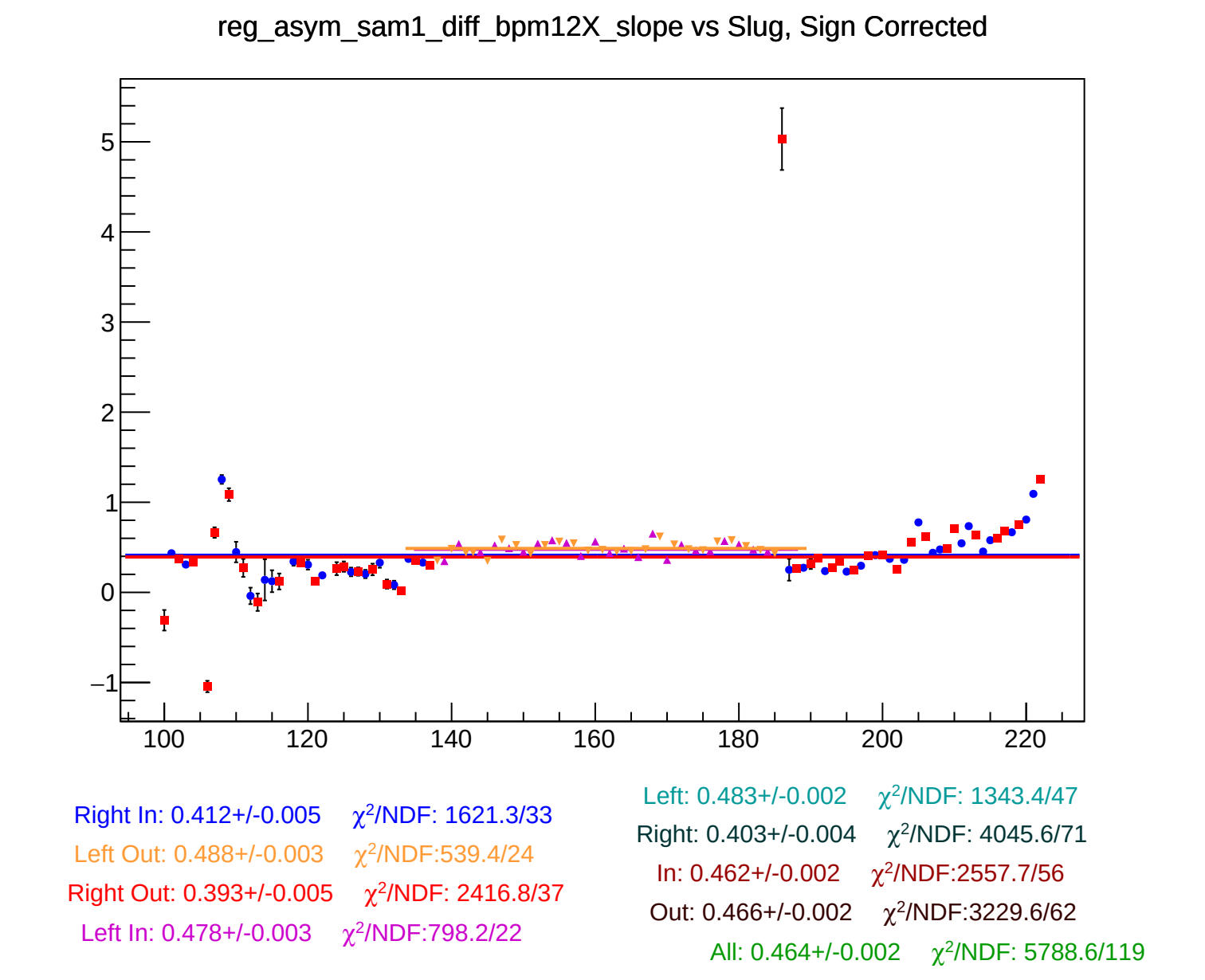
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

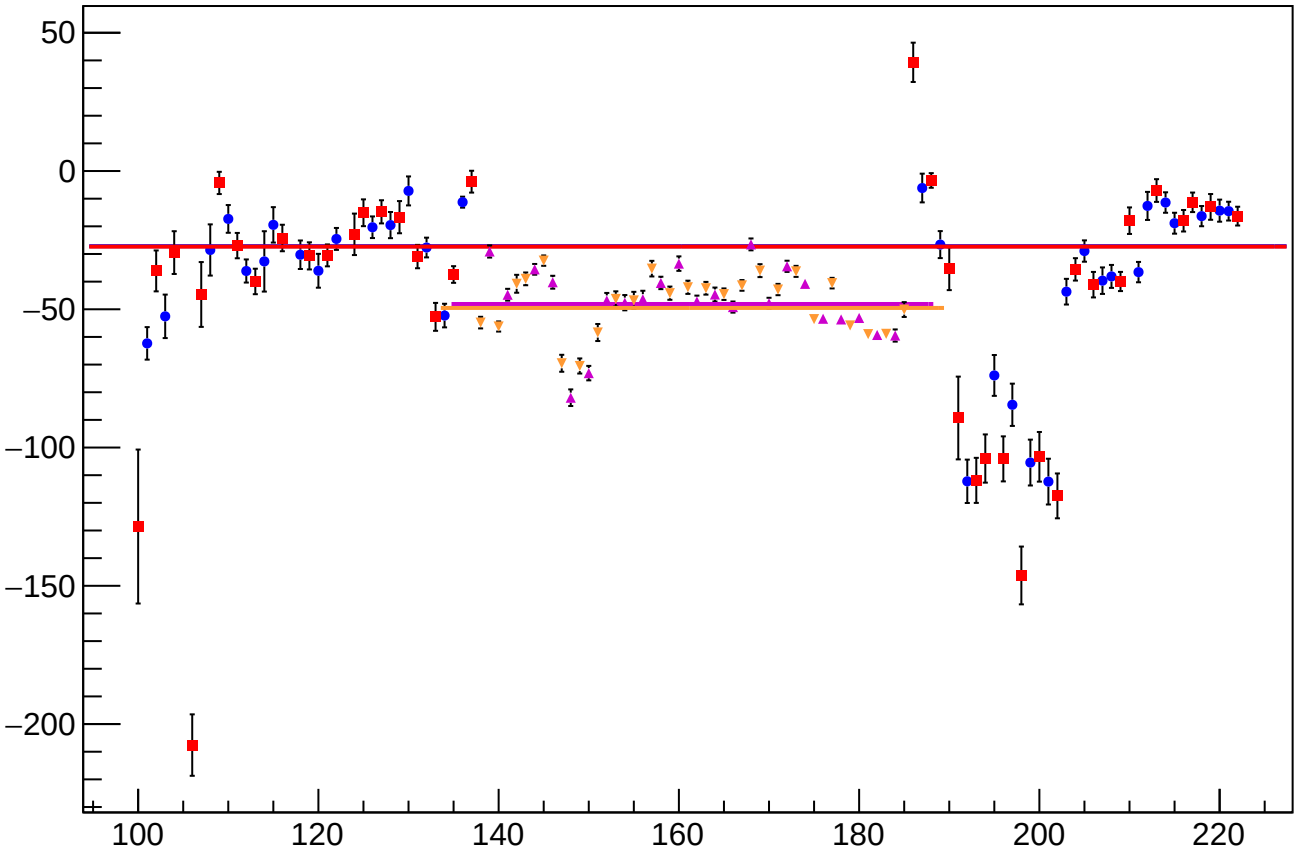
Right: 13.676+/-0.078 χ^2/NDF: 14089.9/71

In: 11.923+/-0.055 χ^2/NDF:9057.5/56

Out: 12.064+/-0.054 χ^2/NDF:11447.7/62

All: 11.995+/-0.039 χ^2/NDF: 20508.6/119


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: 0.393+/-0.005 χ²/NDF: 2416.8/37
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.403+/-0.004 χ²/NDF: 4045.6/71
In: 0.462+/-0.002 χ²/NDF:2557.7/56
Out: 0.466+/-0.002 χ²/NDF:3229.6/62
All: 0.464+/-0.002 χ²/NDF: 5788.6/119



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: -27.344+/-0.788 χ^2/NDF: 1301.2/37

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

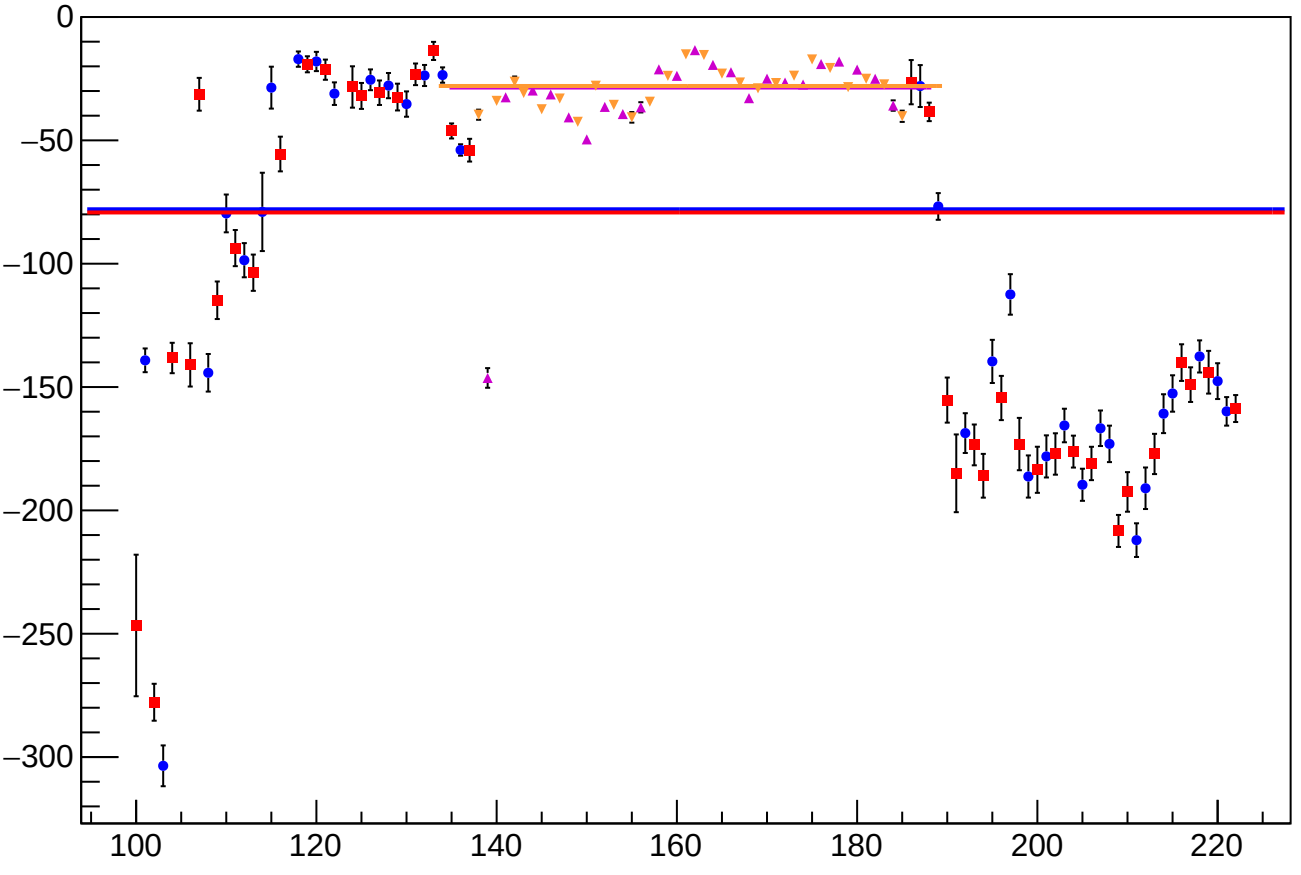
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -27.263+/-0.549 χ^2/NDF: 2002.0/71

In: -43.287+/-0.367 χ^2/NDF:1979.8/56

Out: -44.930+/-0.358 χ^2/NDF:2505.5/62

All: -44.128+/-0.257 χ^2/NDF: 4495.6/119



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: -79.229+/-0.965 χ^2/NDF: 5010.3/37

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

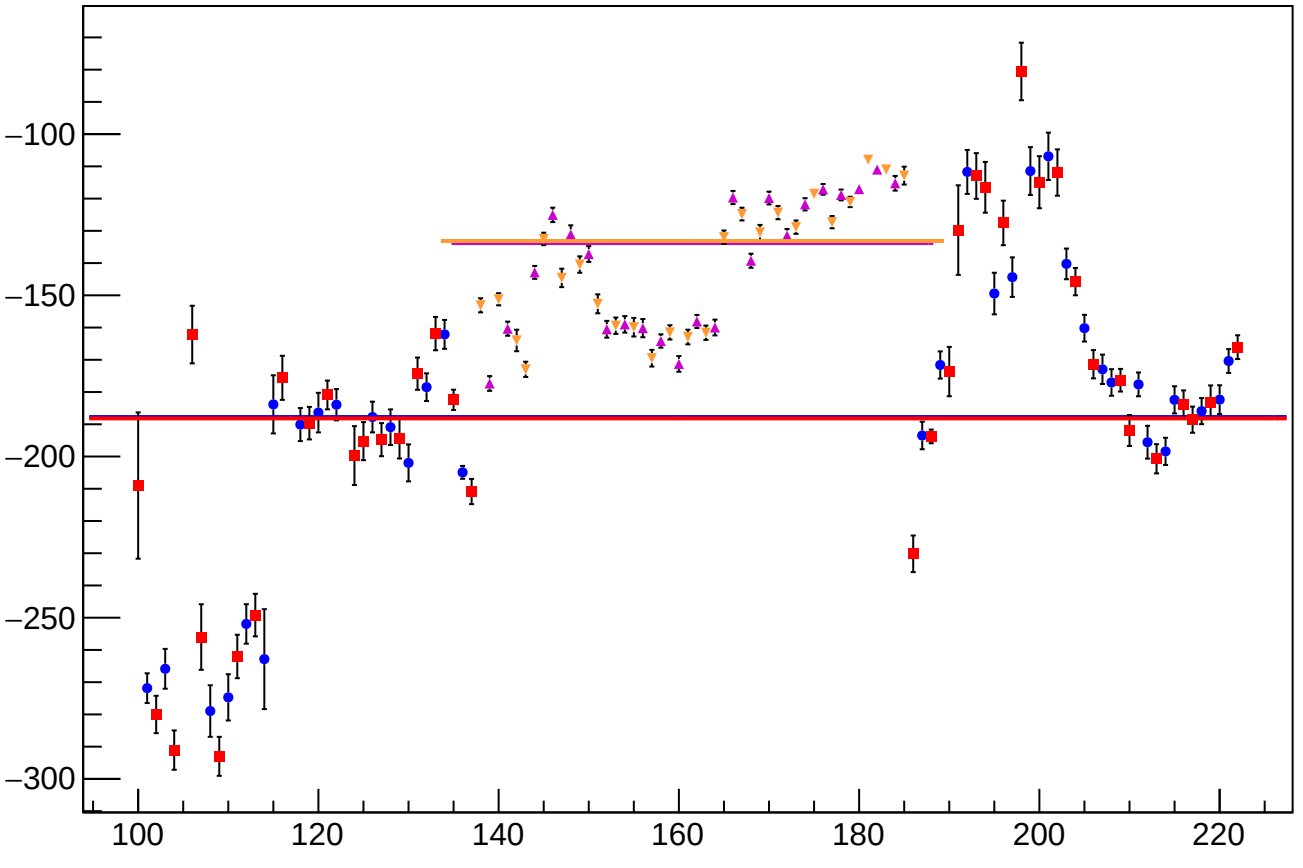
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -78.557+/-0.668 χ^2/NDF: 10114.2/71

In: -34.274+/-0.314 χ^2/NDF:9102.6/56

Out: -33.071+/-0.305 χ^2/NDF:8051.0/62

All: -33.655+/-0.219 χ^2/NDF: 17161.2/119



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: -188.174+/-0.819 χ^2/NDF: 2045.7/37

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

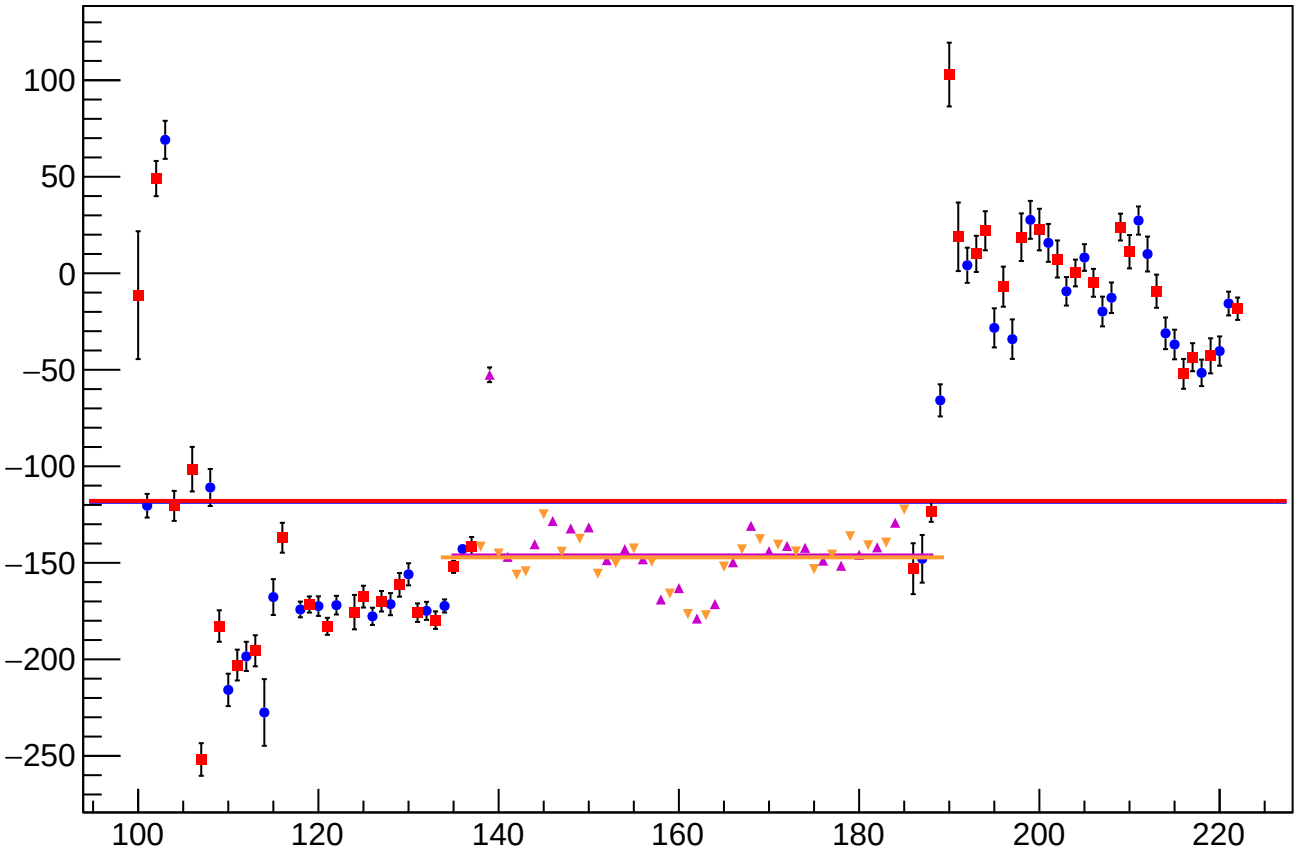
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -187.968+/-0.573 χ^2/NDF: 3724.5/71

In: -145.289+/-0.370 χ^2/NDF:7694.1/56

Out: -143.878+/-0.362 χ^2/NDF:8210.7/62

All: -144.568+/-0.259 χ^2/NDF: 15912.2/119



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: -117.934+/-1.093 χ^2/NDF: 5076.0/37

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

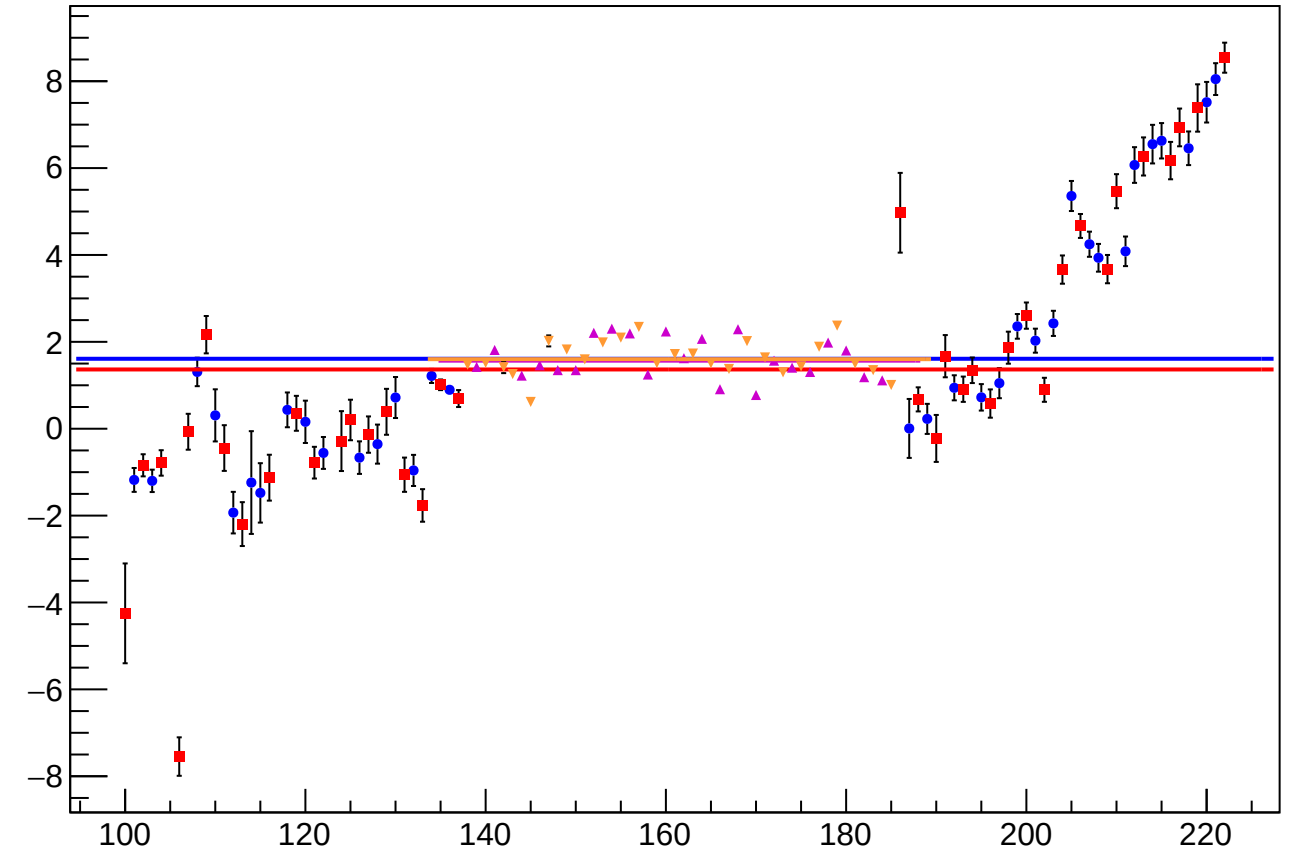
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -118.166+/-0.750 χ^2/NDF: 9973.1/71

In: -142.998+/-0.349 χ^2/NDF:7333.6/56

Out: -144.334+/-0.340 χ^2/NDF:6967.5/62

All: -143.682+/-0.244 χ^2/NDF: 14308.6/119



Right In: 1.610+/-0.051 χ^2/NDF: 1913.6/33

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.364+/-0.054 χ^2/NDF: 2235.5/37

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

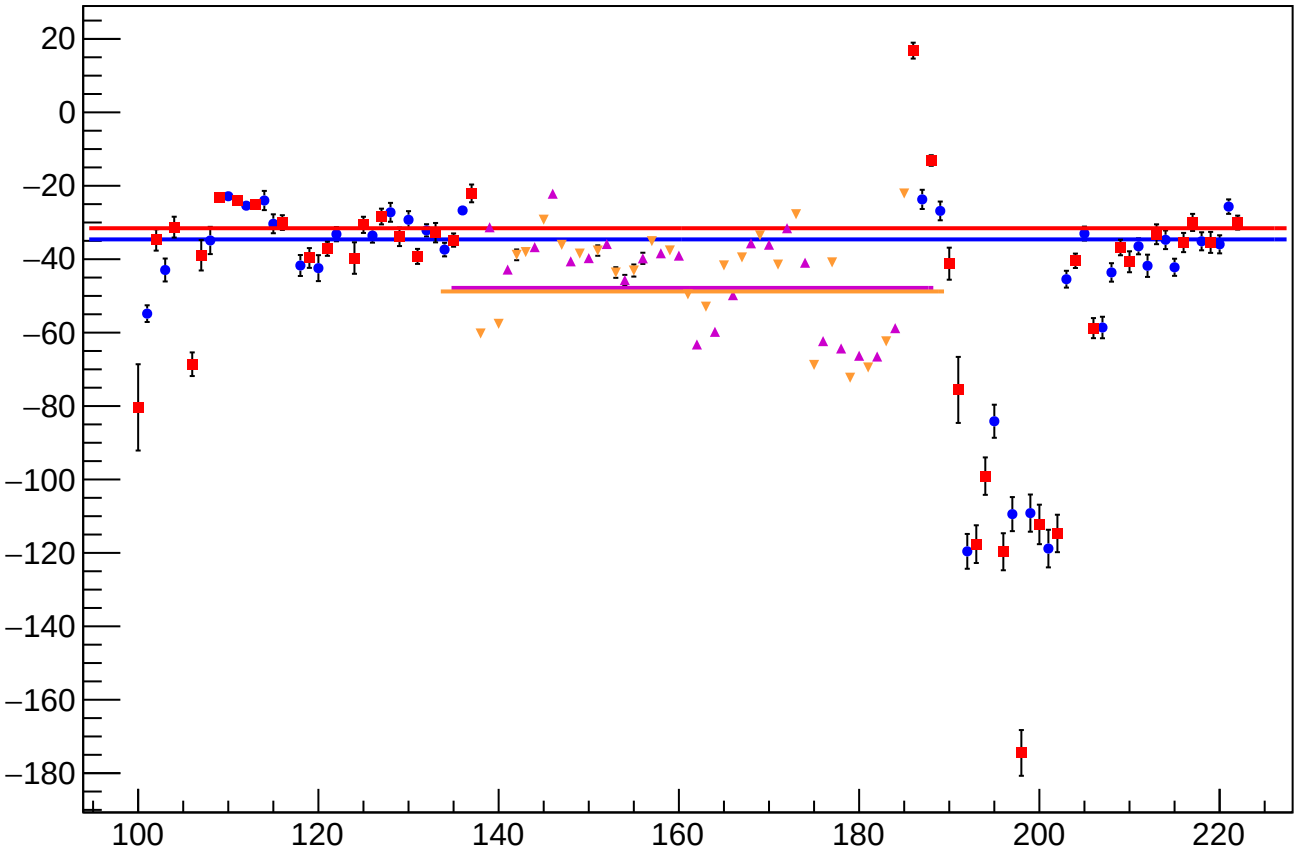
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.495+/-0.037 χ^2/NDF: 4160.2/71

In: 1.572+/-0.016 χ^2/NDF:2649.5/56

Out: 1.582+/-0.015 χ^2/NDF:2835.0/62

All: 1.577+/-0.011 χ^2/NDF: 5484.7/119



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: -31.564+/-0.365 χ^2/NDF: 2958.8/37

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

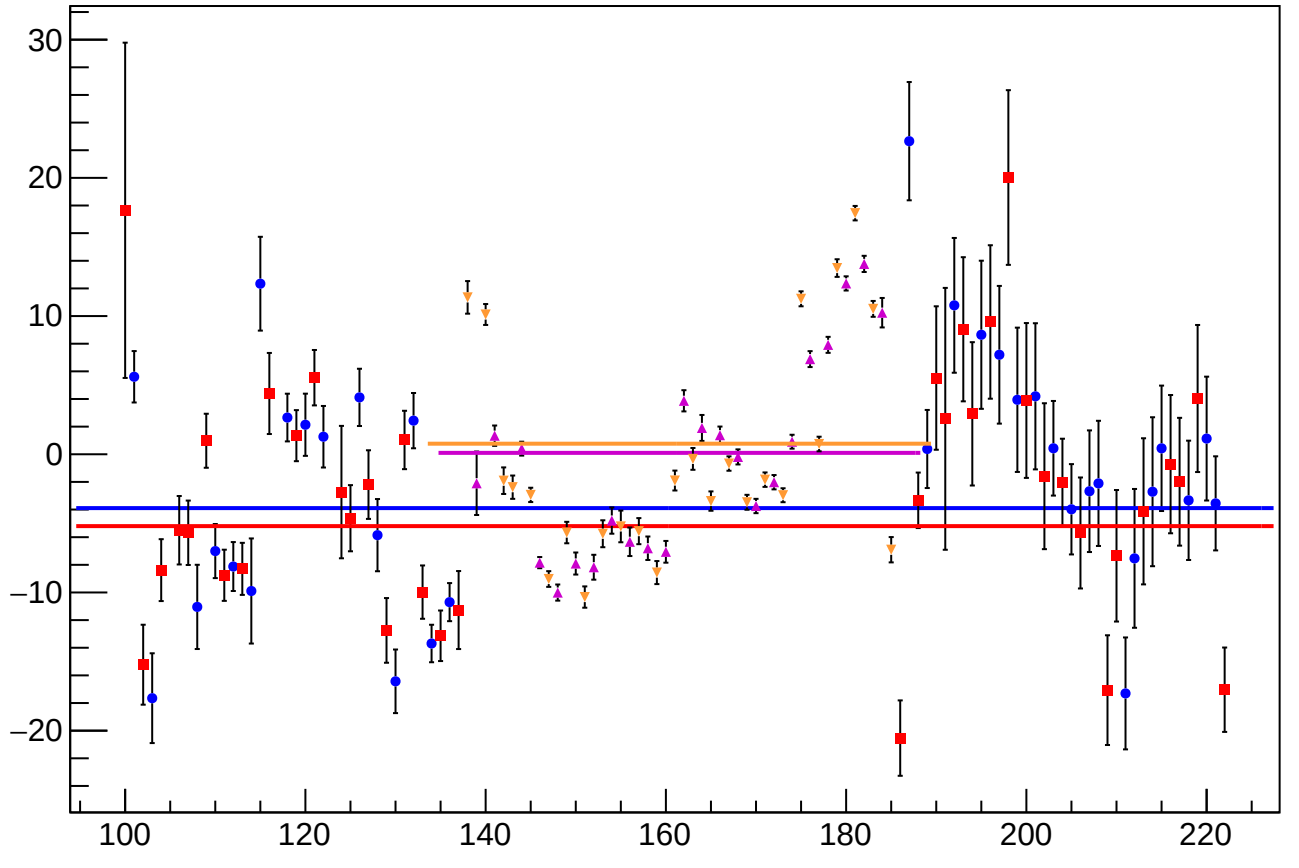
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -33.038+/-0.262 χ^2/NDF: 4685.3/71

In: -45.579+/-0.155 χ^2/NDF:9942.1/56

Out: -45.808+/-0.152 χ^2/NDF:13754.5/62

All: -45.696+/-0.108 χ^2/NDF: 23697.7/119



Right In: -3.896+/-0.453 χ^2/NDF: 322.3/33

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.199+/-0.456 χ^2/NDF: 239.5/37

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

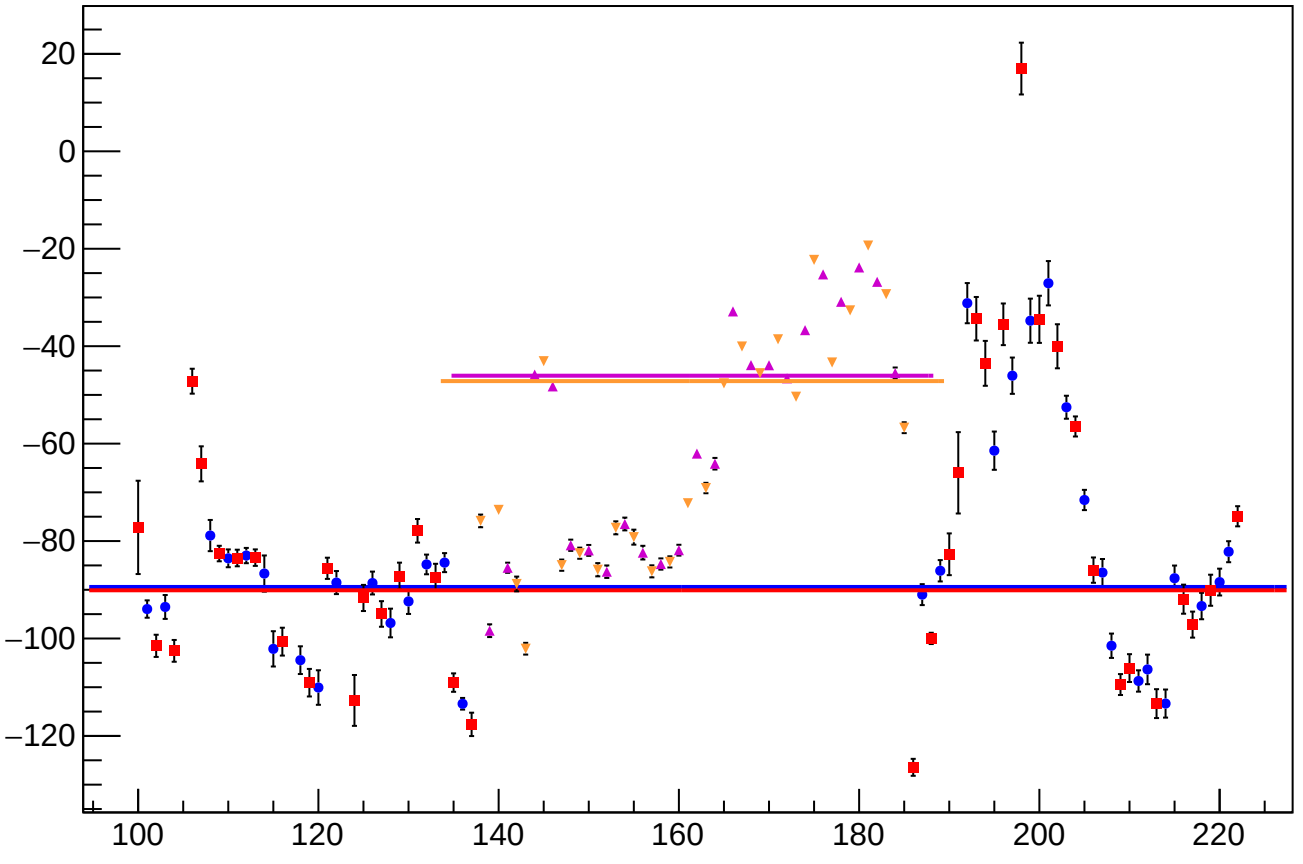
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.543+/-0.321 χ^2/NDF: 565.9/71

In: -0.215+/-0.128 χ^2/NDF:3115.8/56

Out: 0.302+/-0.127 χ^2/NDF:3864.6/62

All: 0.044+/-0.090 χ^2/NDF: 6988.6/119



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: -90.104+/-0.400 χ^2/NDF: 2895.5/37

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

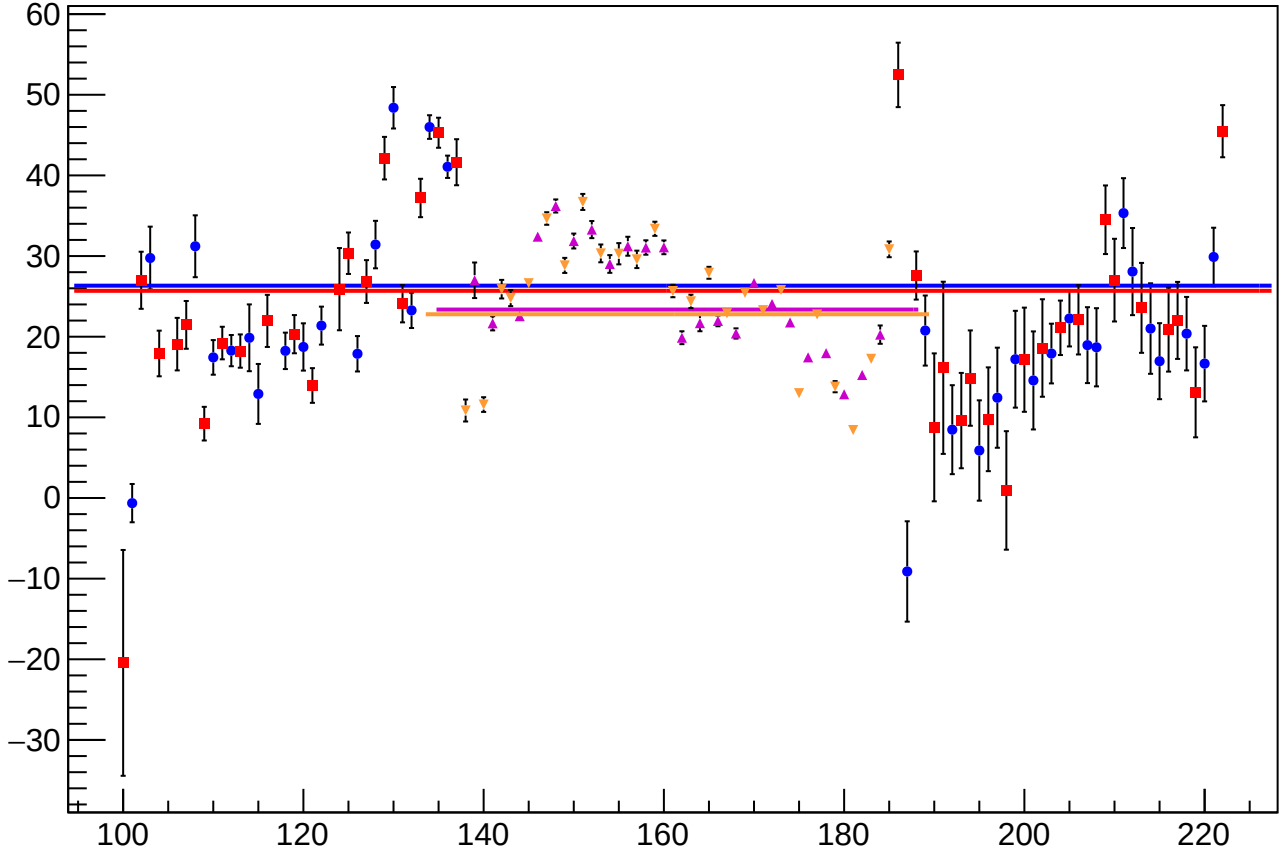
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -89.771+/-0.286 χ^2/NDF: 4696.5/71

In: -52.434+/-0.157 χ^2/NDF:26118.5/56

Out: -53.564+/-0.155 χ^2/NDF:30339.0/62

All: -53.009+/-0.110 χ^2/NDF: 56483.7/119



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: 25.691+/-0.520 χ^2/NDF: 486.7/37

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

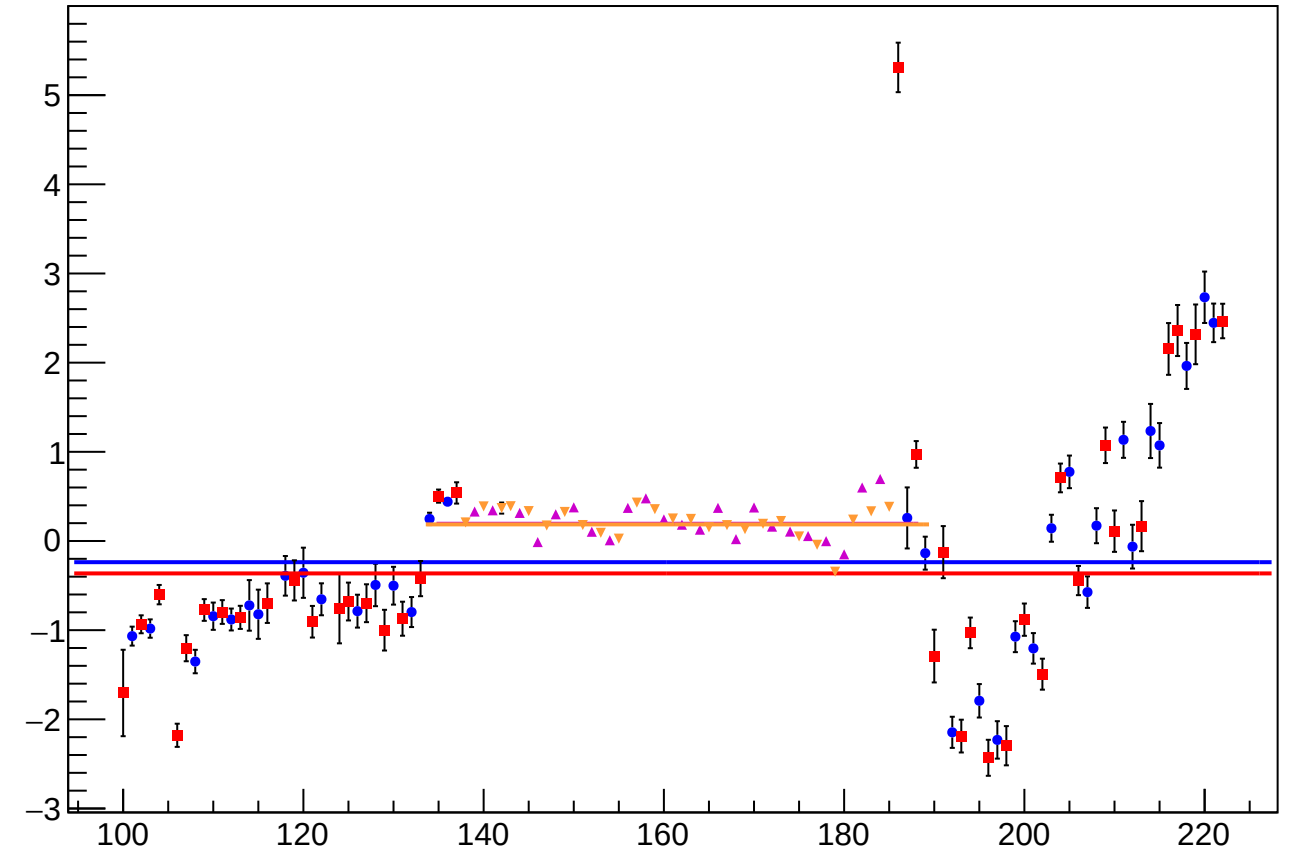
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.018+/-0.363 χ^2/NDF: 1174.0/71

In: 23.600+/-0.143 χ^2/NDF:2503.3/56

Out: 22.998+/-0.142 χ^2/NDF:2928.5/62

All: 23.297+/-0.101 χ^2/NDF: 5440.8/119



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: -0.364+/-0.027 χ^2/NDF: 1939.4/37

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

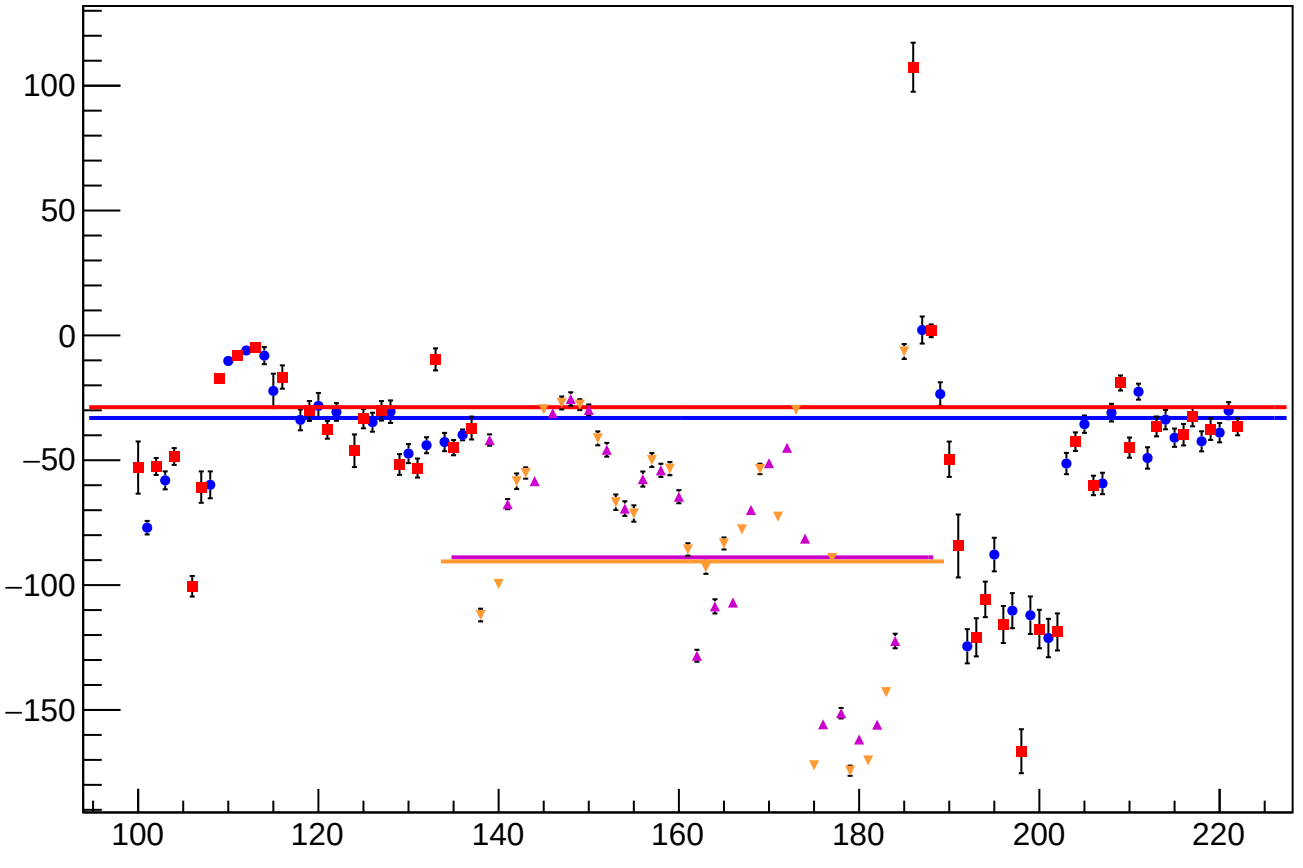
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.298+/-0.019 χ^2/NDF: 3219.2/71

In: 0.166+/-0.006 χ^2/NDF:2468.0/56

Out: 0.155+/-0.006 χ^2/NDF:2976.5/62

All: 0.161+/-0.005 χ^2/NDF: 5445.9/119



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: -28.753+/-0.559 χ^2/NDF: 2444.7/37

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

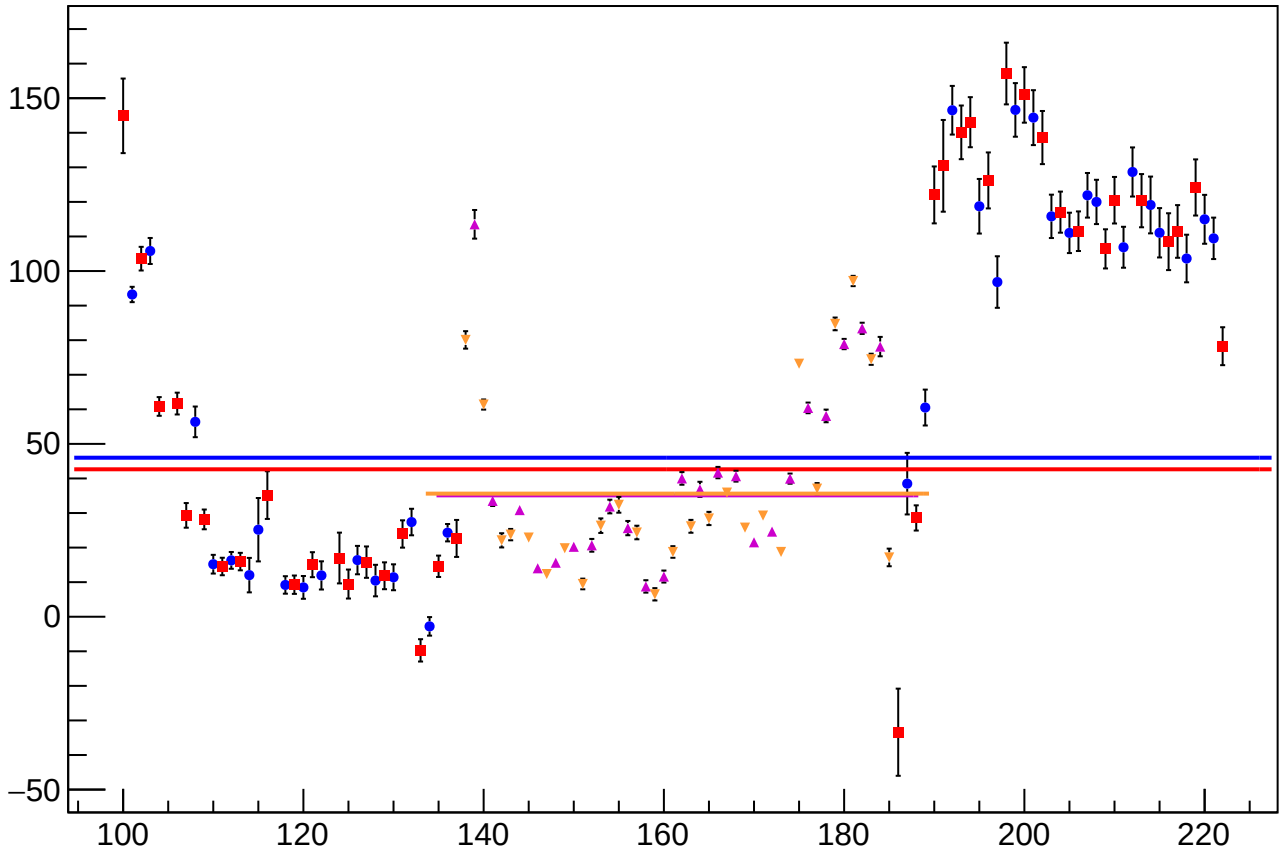
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.782+/-0.407 χ^2/NDF: 4163.9/71

In: -69.381+/-0.350 χ^2/NDF:19274.7/56

Out: -68.148+/-0.336 χ^2/NDF:25596.1/62

All: -68.739+/-0.243 χ^2/NDF: 44877.2/119



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: 42.649+/-0.710 χ^2/NDF: 3633.9/37

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

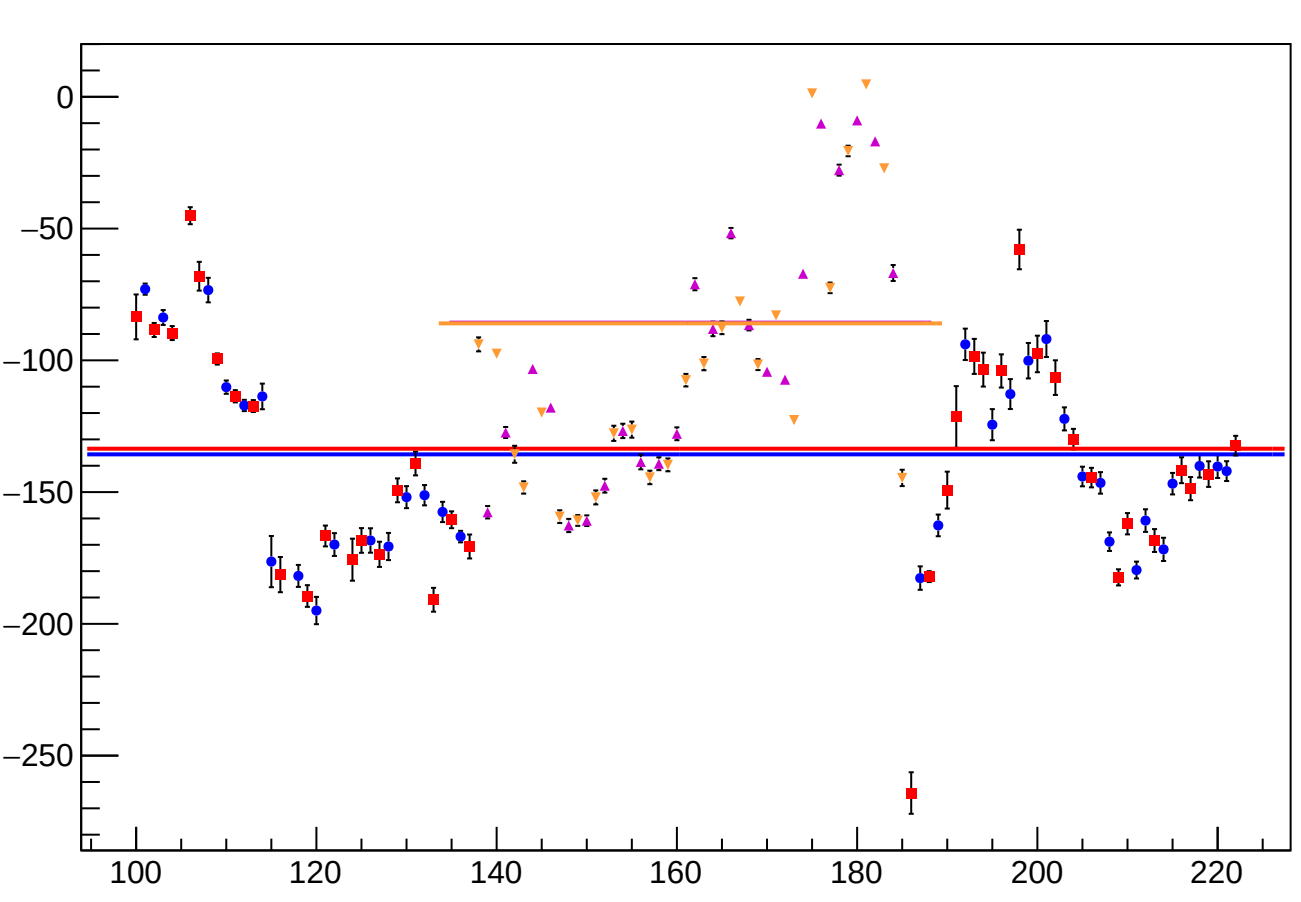
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 44.301+/-0.506 χ^2/NDF: 7589.0/71

In: 37.060+/-0.305 χ^2/NDF:8276.1/56

Out: 36.834+/-0.296 χ^2/NDF:9688.0/62

All: 36.944+/-0.212 χ^2/NDF: 17964.4/119



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: -133.535+/-0.626 χ^2/NDF: 4088.2/37

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

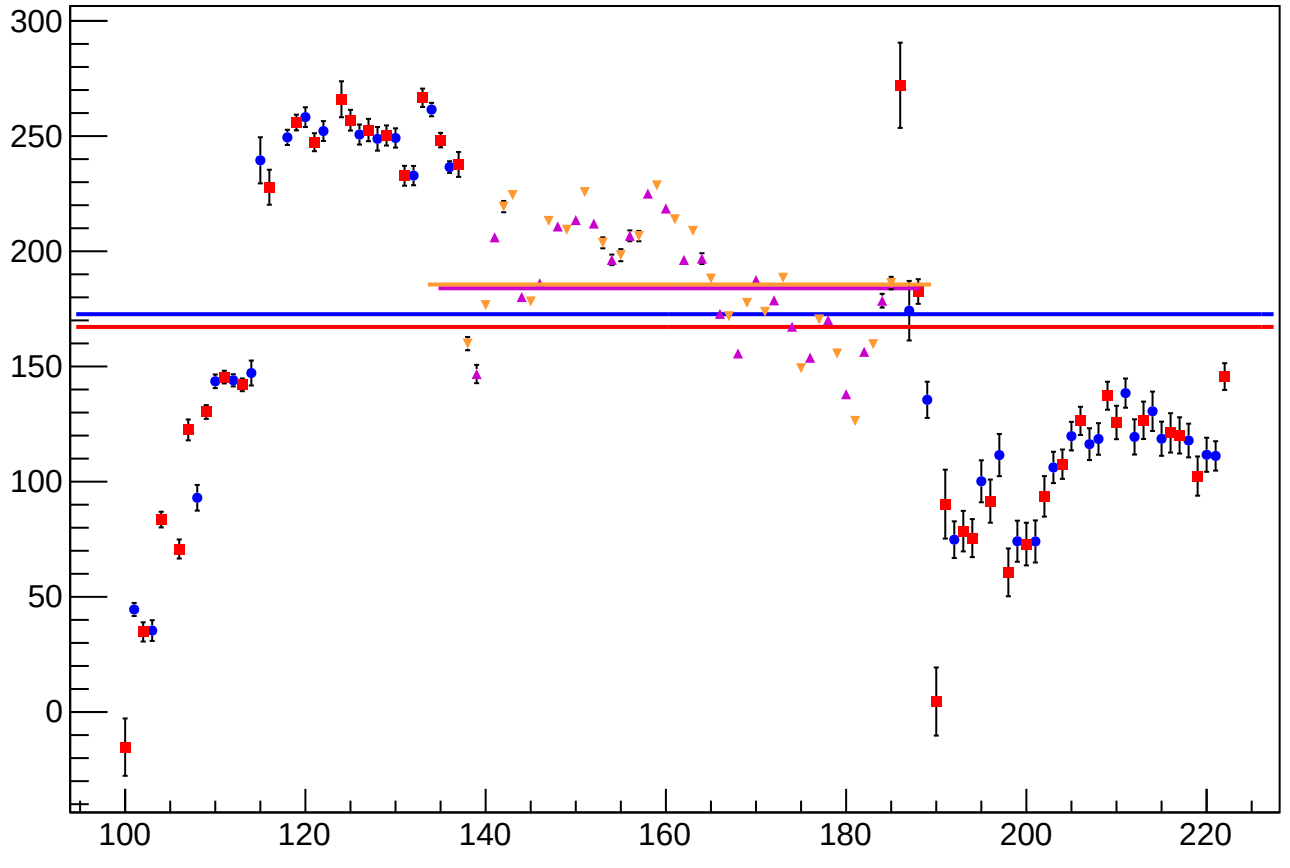
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -134.576+/-0.449 χ^2/NDF: 7080.8/71

In: -101.183+/-0.359 χ^2/NDF:20881.4/56

Out: -100.772+/-0.349 χ^2/NDF:24296.9/62

All: -100.971+/-0.250 χ^2/NDF: 45178.9/119



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: 167.161+/-0.812 χ^2/NDF: 7944.1/37

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

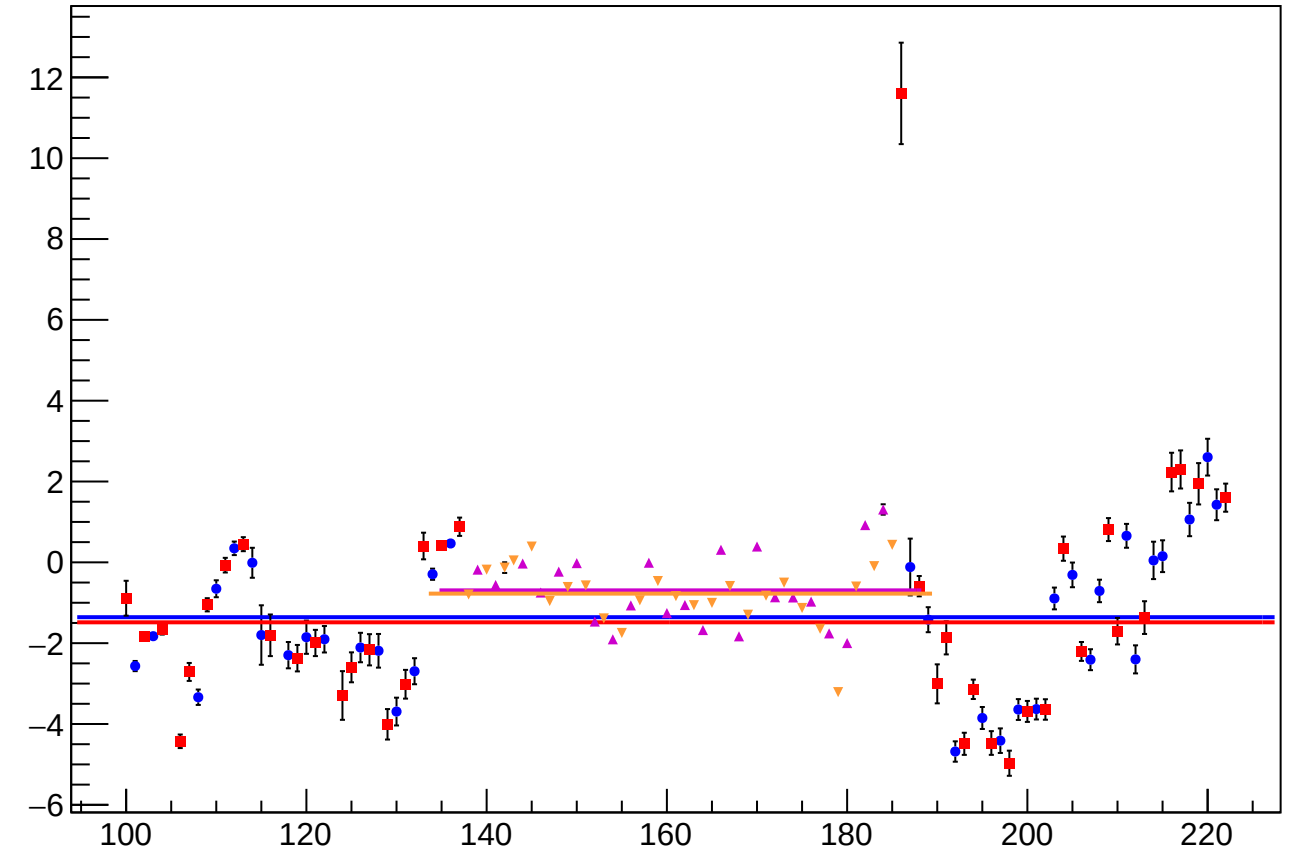
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 169.907+/-0.576 χ^2/NDF: 16558.4/71

In: 181.959+/-0.343 χ^2/NDF:12620.9/56

Out: 182.459+/-0.334 χ^2/NDF:13726.8/62

All: 182.215+/-0.239 χ^2/NDF: 26348.7/119



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: -1.484+/-0.040 χ^2/NDF: 2050.2/37

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

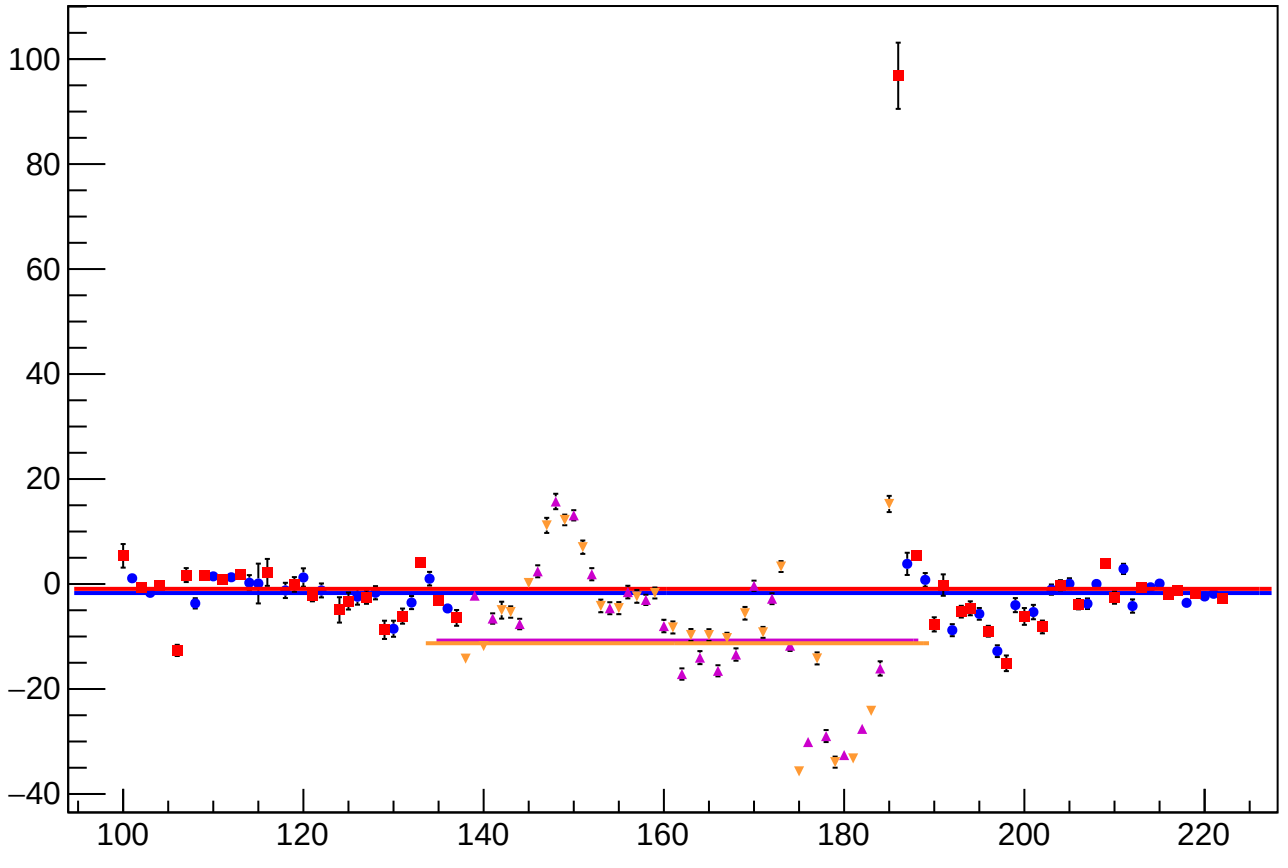
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.421+/-0.028 χ^2/NDF: 3660.1/71

In: -0.792+/-0.015 χ^2/NDF:4401.8/56

Out: -0.878+/-0.015 χ^2/NDF:4145.4/62

All: -0.836+/-0.011 χ^2/NDF: 8562.8/119



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: -0.921+/-0.163 χ^2/NDF: 936.1/37

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

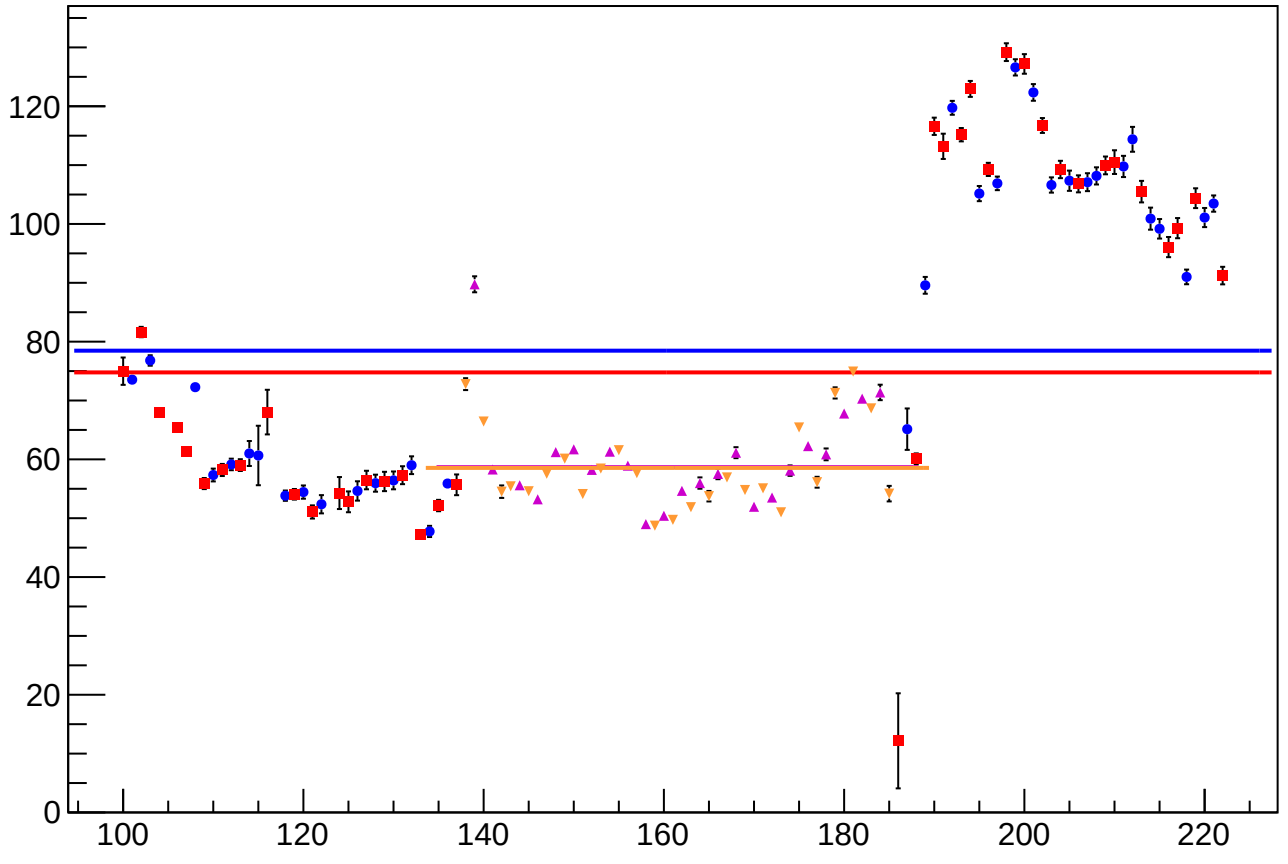
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.294+/-0.119 χ^2/NDF: 1277.5/71

In: -5.342+/-0.135 χ^2/NDF:5110.1/56

Out: -4.857+/-0.128 χ^2/NDF:6976.0/62

All: -5.087+/-0.093 χ^2/NDF: 12092.9/119



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: 74.775+/-0.198 χ^2/NDF: 16773.7/37

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

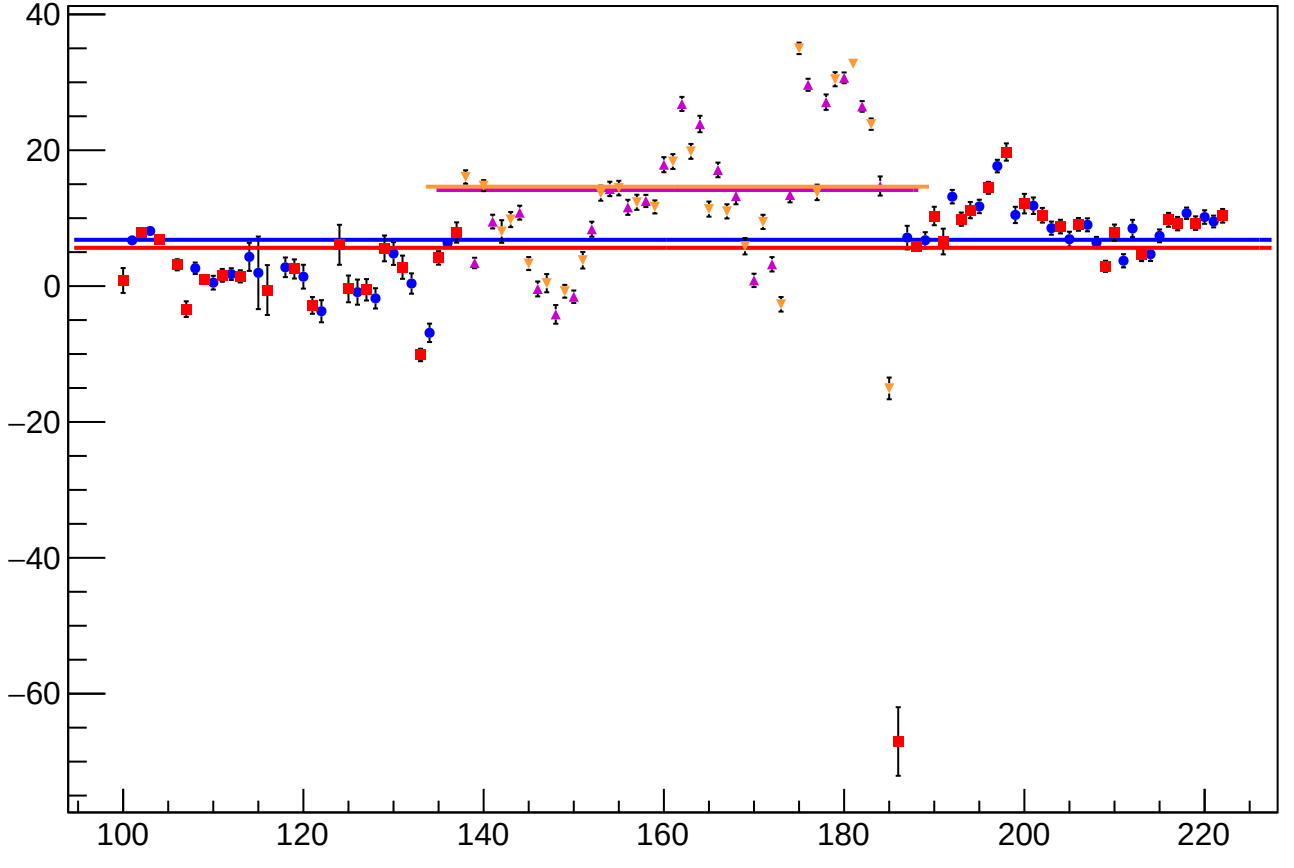
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 76.498+/-0.144 χ^2/NDF: 29581.8/71

In: 66.368+/-0.132 χ^2/NDF:19626.3/56

Out: 65.033+/-0.125 χ^2/NDF:22725.7/62

All: 65.665+/-0.091 χ^2/NDF: 42406.1/119



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: 5.634+/-0.168 χ^2/NDF: 1185.4/37

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

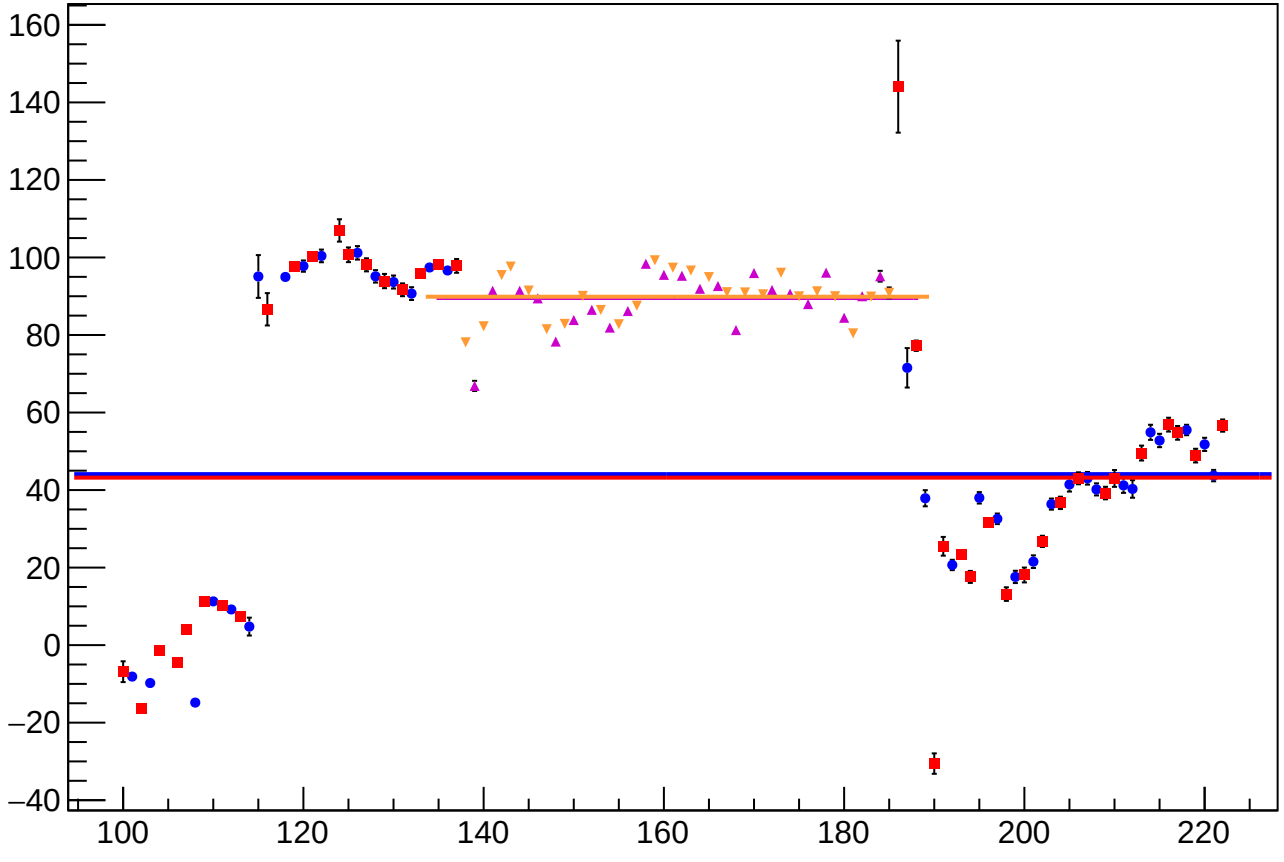
Right: 6.191+/-0.122 χ^2/NDF: 1840.5/71

In: 9.851+/-0.136 χ^2/NDF:3878.2/56

Out: 9.208+/-0.130 χ^2/NDF:5290.5/62

All: 9.516+/-0.094 χ^2/NDF: 9180.4/119

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: 43.201+/-0.230 χ^2/NDF: 31952.2/37

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

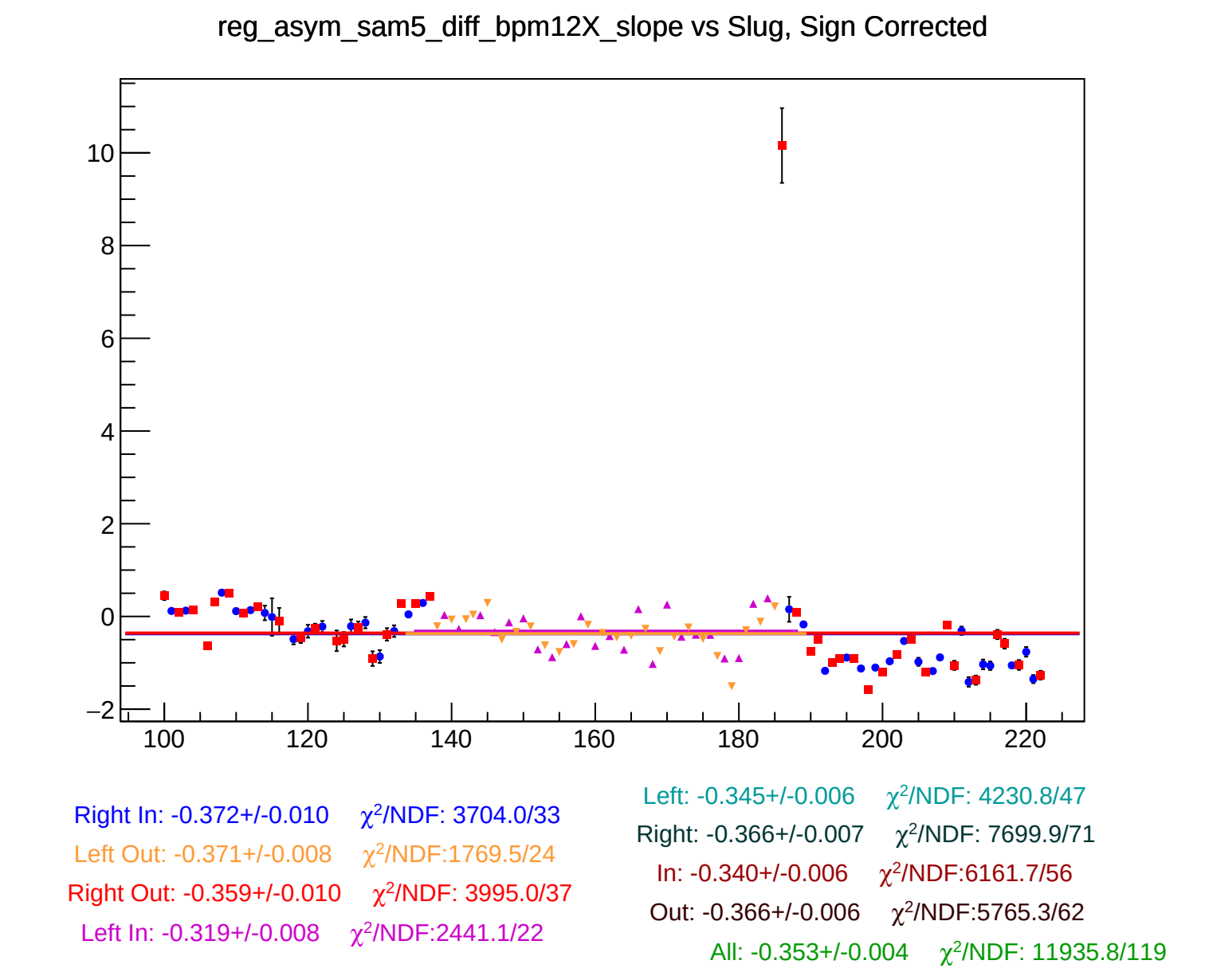
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

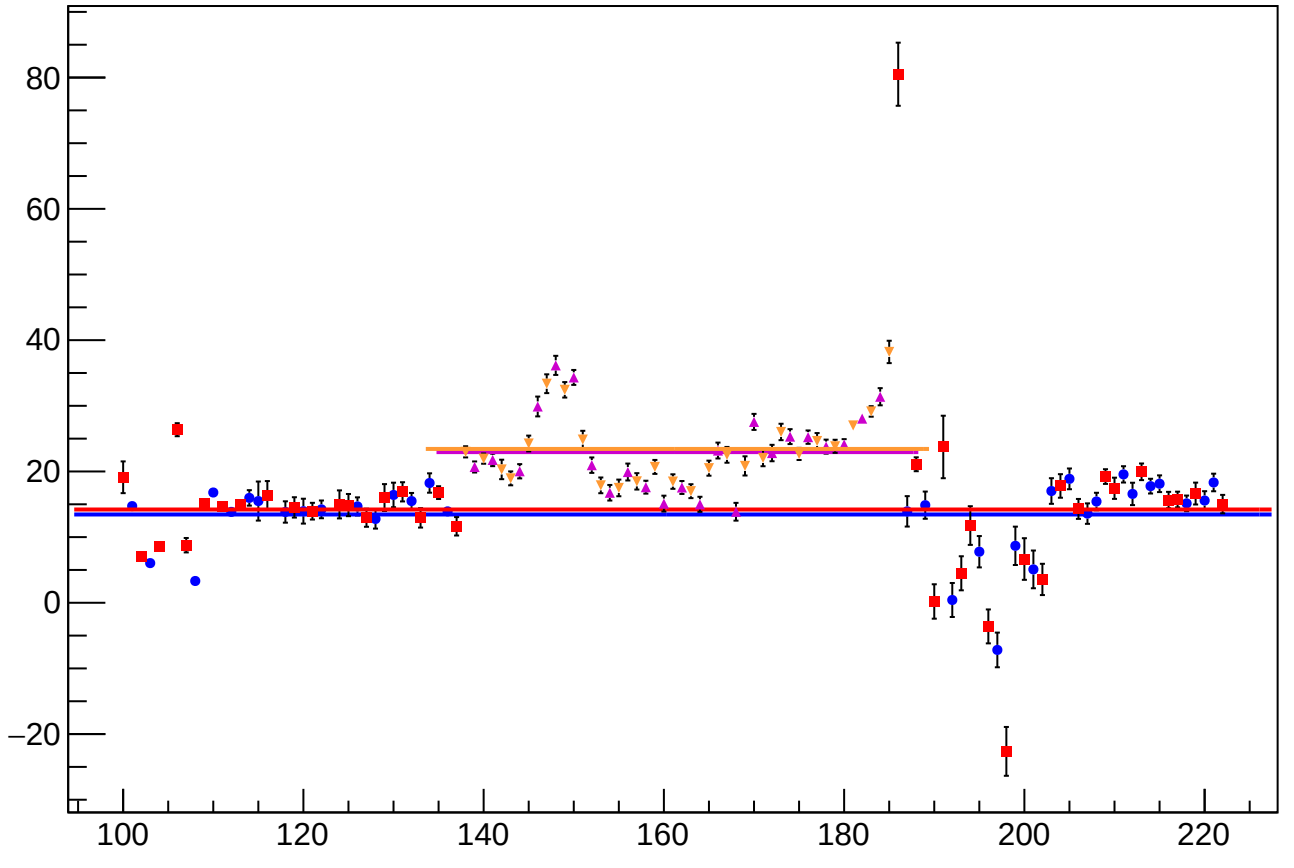
Right: 43.632+/-0.166 χ^2/NDF: 60059.8/71

In: 72.461+/-0.148 χ^2/NDF:51260.8/56

Out: 71.984+/-0.142 χ^2/NDF:58499.6/62

All: 72.213+/-0.103 χ^2/NDF: 109765.8/119


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.372+/-0.010 χ²/NDF: 3704.0/33
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.359+/-0.010 χ²/NDF: 3995.0/37
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.366+/-0.007 χ²/NDF: 7699.9/71
In: -0.340+/-0.006 χ²/NDF:6161.7/56
Out: -0.366+/-0.006 χ²/NDF:5765.3/62
All: -0.353+/-0.004 χ²/NDF: 11935.8/119



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: 14.207+/-0.181 χ^2/NDF: 914.2/37

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

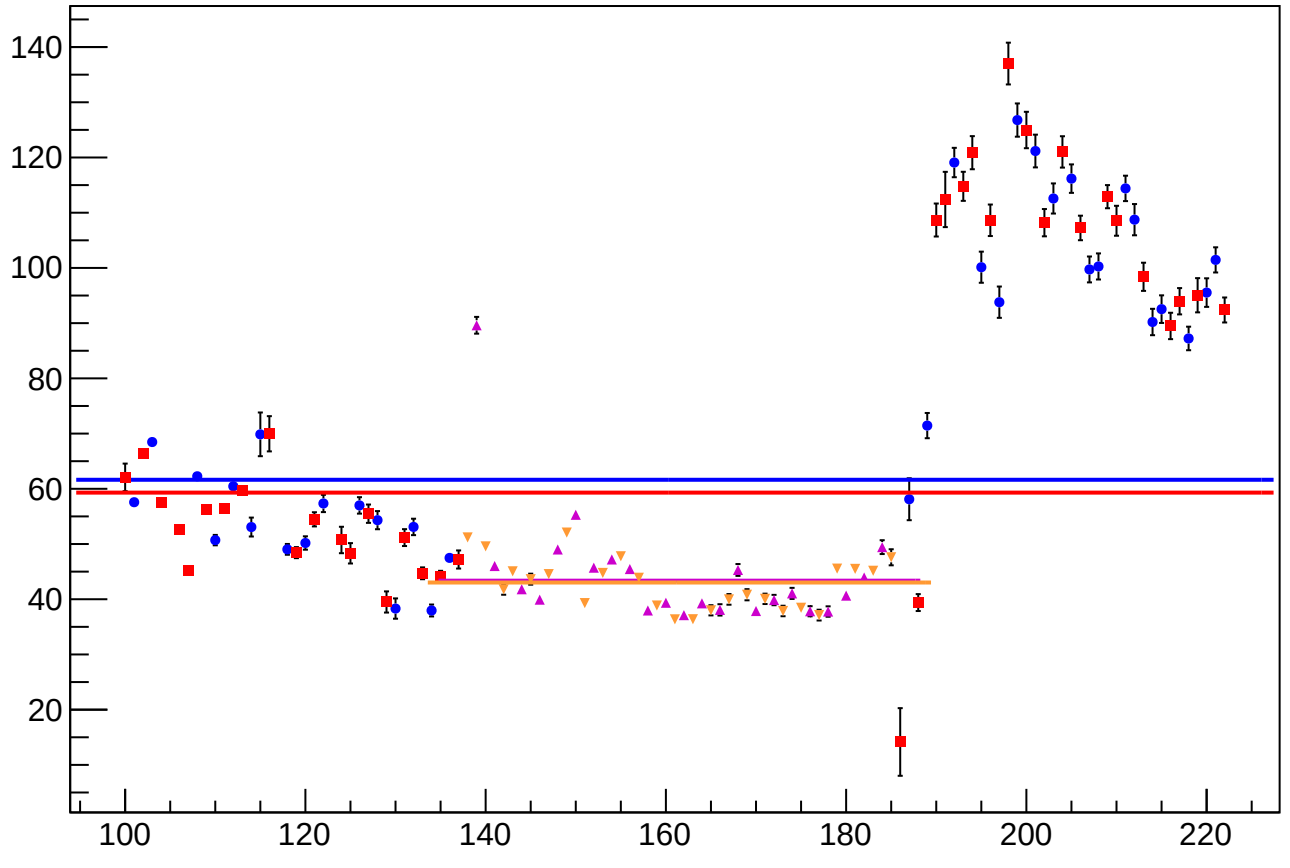
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.839+/-0.130 χ^2/NDF: 1513.5/71

In: 17.310+/-0.144 χ^2/NDF:2210.9/56

Out: 18.006+/-0.139 χ^2/NDF:2416.1/62

All: 17.671+/-0.100 χ^2/NDF: 4639.1/119



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: 59.309+/-0.210 χ^2/NDF: 7391.6/37

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

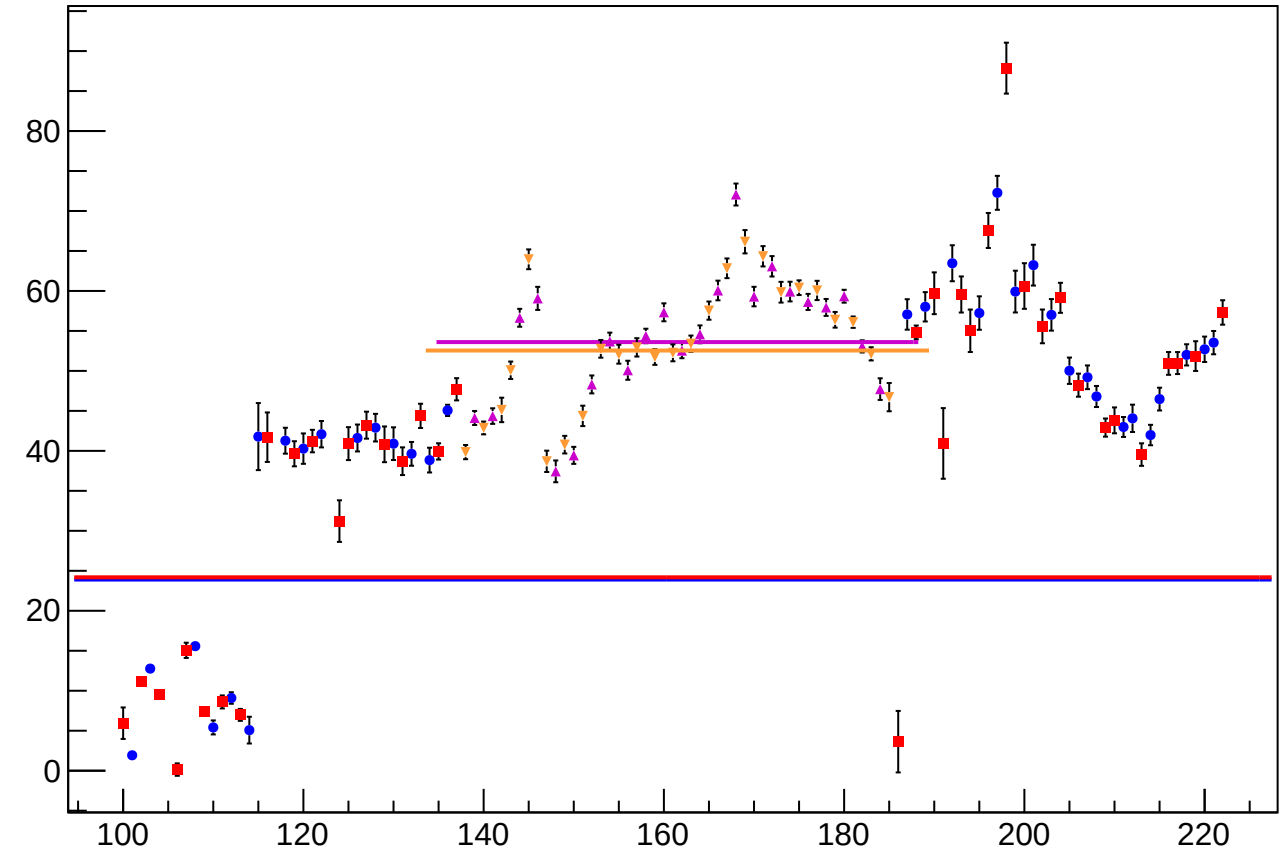
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 60.483+/-0.148 χ^2/NDF: 13809.3/71

In: 51.027+/-0.135 χ^2/NDF:12508.0/56

Out: 49.343+/-0.131 χ^2/NDF:11845.5/62

All: 50.160+/-0.094 χ^2/NDF: 24433.8/119



Right In: 23.908+/-0.187 χ^2/NDF: 11996.5/33

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 24.184+/-0.190 χ^2/NDF: 11184.1/37

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

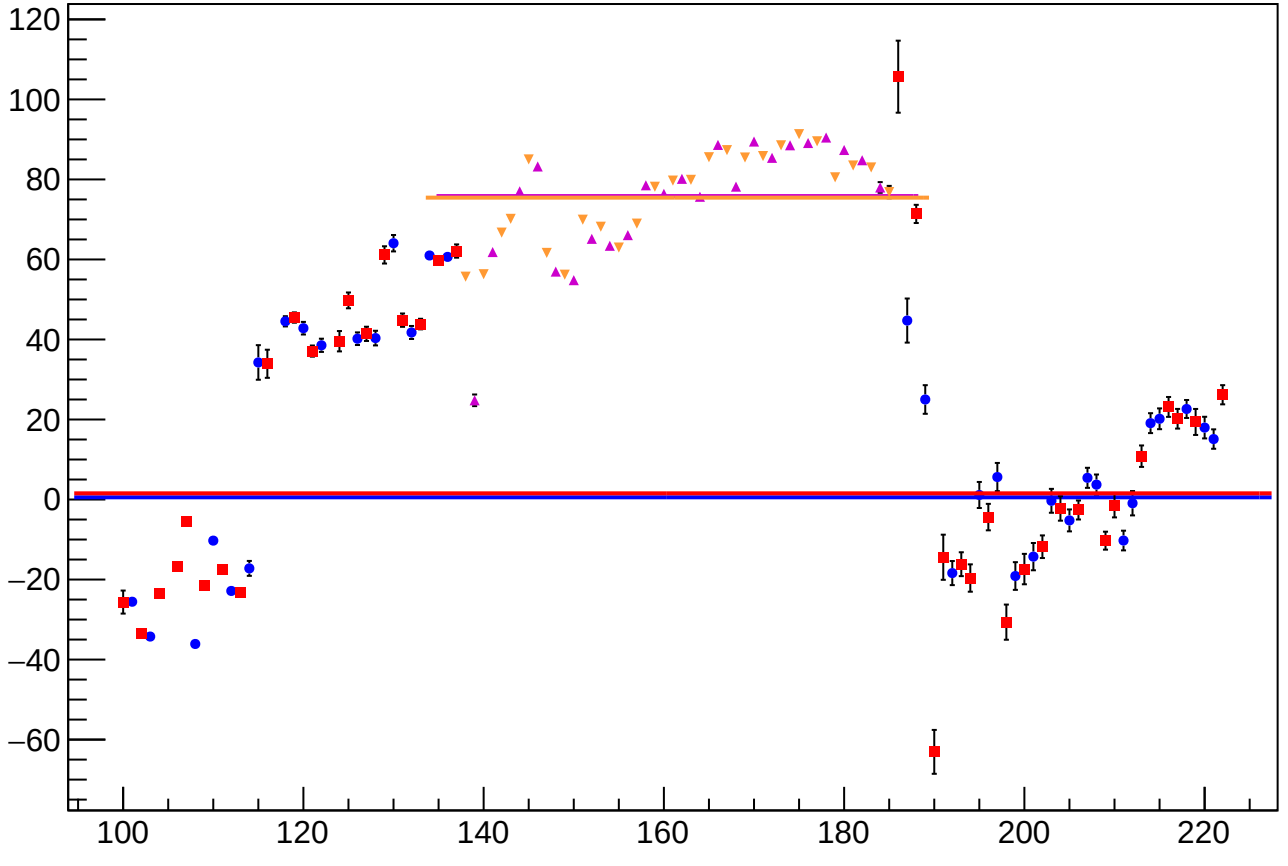
Right: 24.044+/-0.133 χ^2/NDF: 23181.6/71

In: 36.189+/-0.143 χ^2/NDF:23422.0/56

Out: 36.671+/-0.142 χ^2/NDF:22152.5/62

All: 36.432+/-0.101 χ^2/NDF: 45580.2/119

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: 1.548+/-0.246 χ^2/NDF: 17757.9/37

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

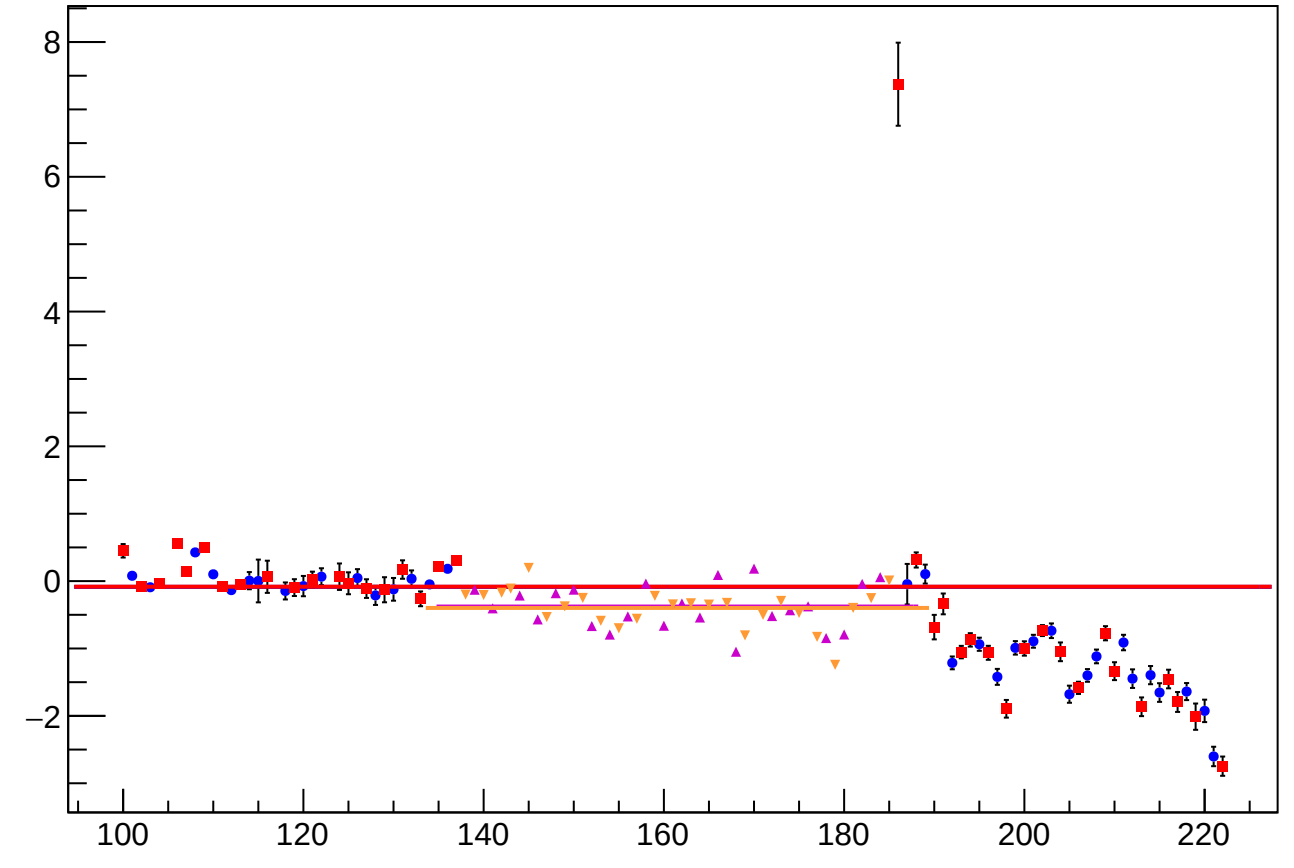
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 1.045+/-0.173 χ^2/NDF: 39327.4/71

In: 46.029+/-0.153 χ^2/NDF:83517.9/56

Out: 48.131+/-0.150 χ^2/NDF:78138.0/62

All: 47.106+/-0.107 χ^2/NDF: 161752.2/119



Right In: -0.086+/-0.010 χ^2/NDF: 2501.0/33

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.083+/-0.011 χ^2/NDF: 2692.6/37

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

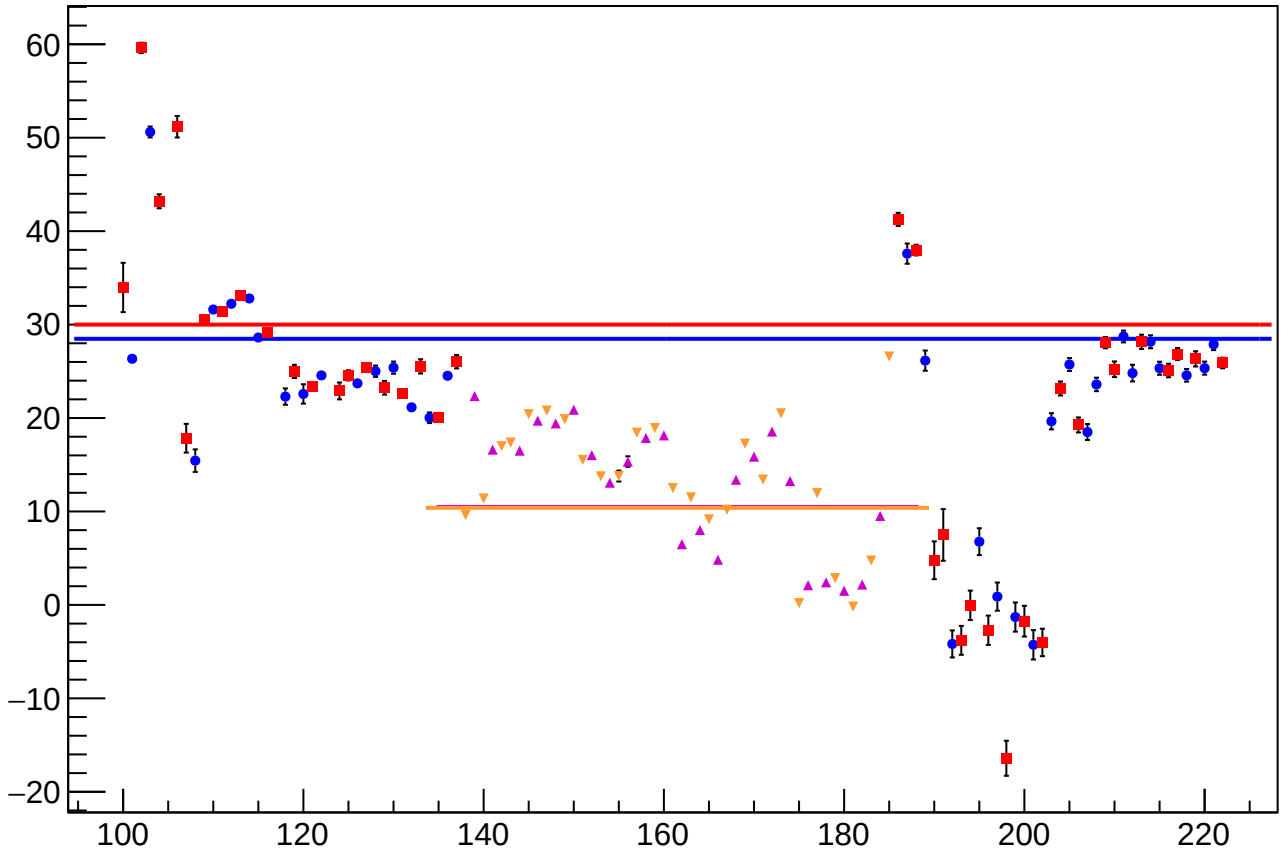
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.084+/-0.007 χ^2/NDF: 5193.7/71

In: -0.259+/-0.007 χ^2/NDF:4320.8/56

Out: -0.275+/-0.007 χ^2/NDF:4271.1/62

All: -0.267+/-0.005 χ^2/NDF: 8595.0/119



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: 29.996+/-0.074 χ^2/NDF: 9096.9/37

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

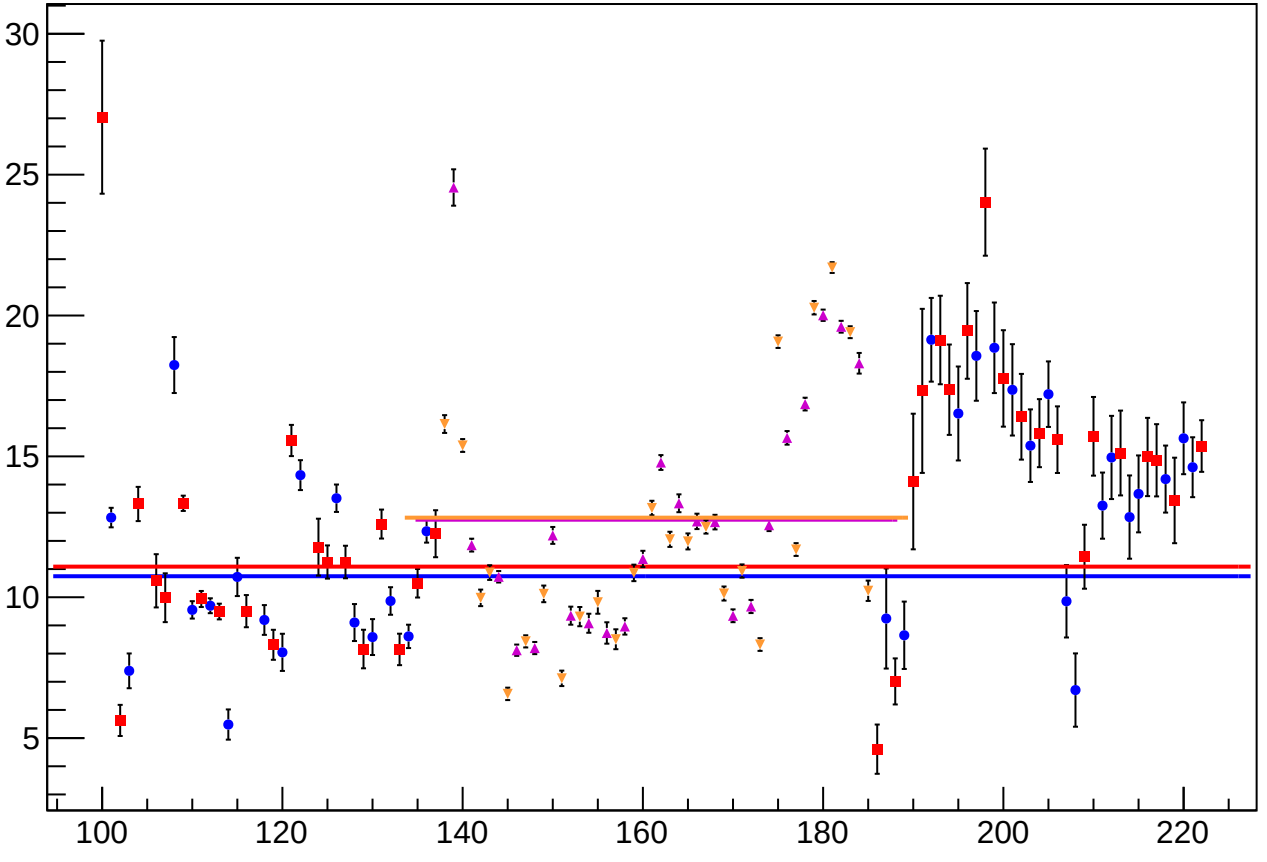
Right: 29.325+/-0.055 χ^2/NDF: 15128.3/71

In: 17.511+/-0.052 χ^2/NDF:45667.9/56

Out: 18.772+/-0.049 χ^2/NDF:62855.0/62

All: 18.187+/-0.036 χ^2/NDF: 108836.4/119

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.746+/-0.107 χ^2/NDF: 639.9/33

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.087+/-0.106 χ^2/NDF: 738.0/37

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

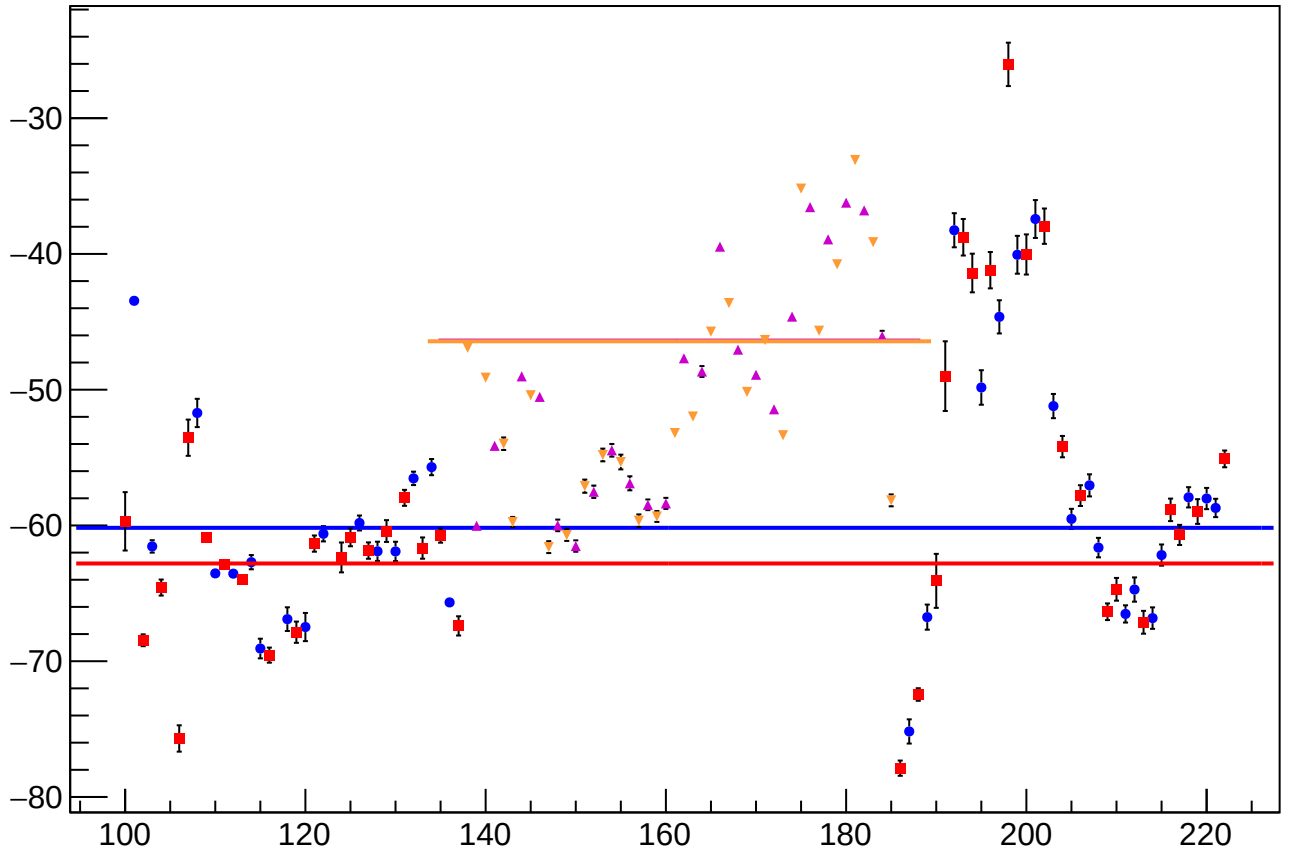
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.919+/-0.075 χ^2/NDF: 1383.1/71

In: 12.359+/-0.047 χ^2/NDF:6423.9/56

Out: 12.496+/-0.046 χ^2/NDF:8974.0/62

All: 12.430+/-0.033 χ^2/NDF: 15402.1/119



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: -62.801+/-0.094 χ^2/NDF: 4402.6/37

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

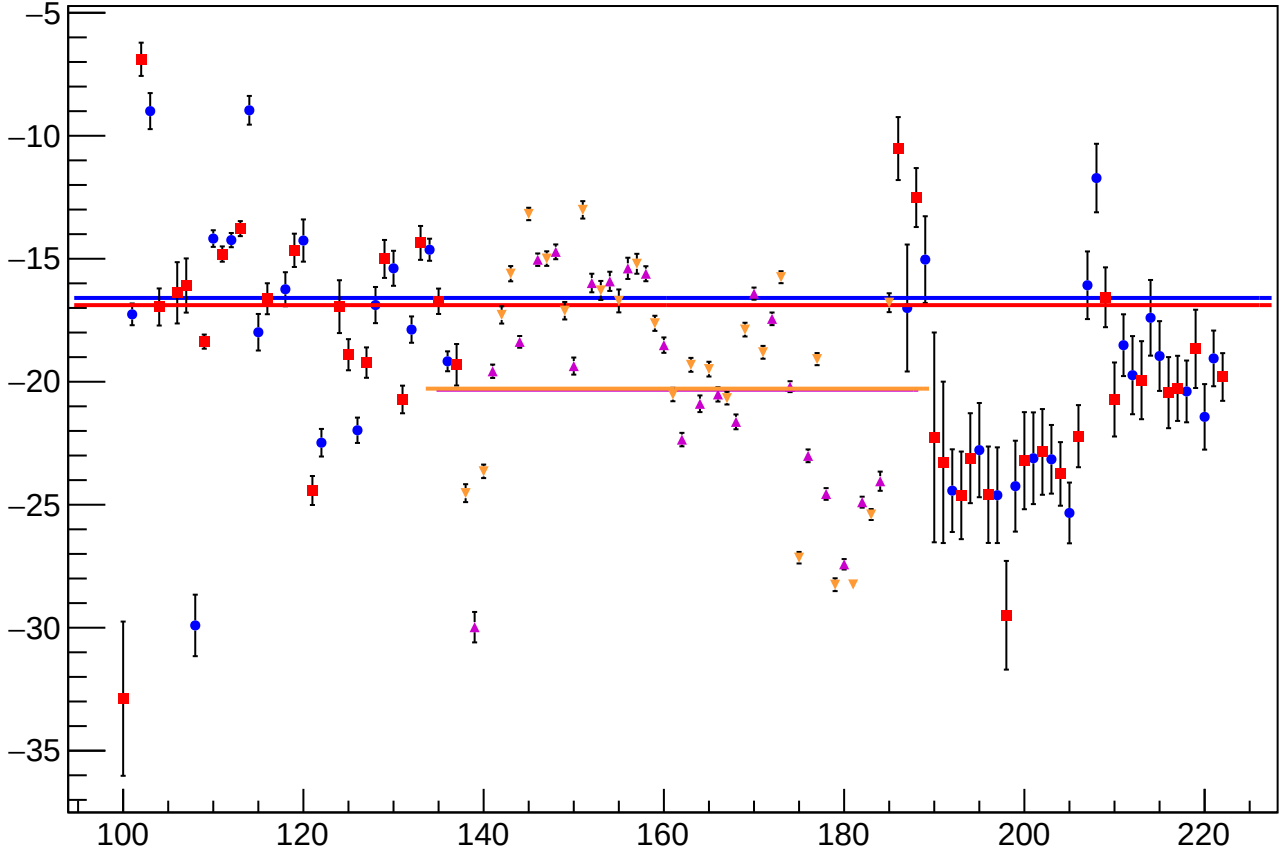
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.556+/-0.068 χ^2/NDF: 10061.2/71

In: -50.720+/-0.055 χ^2/NDF:33771.3/56

Out: -51.696+/-0.053 χ^2/NDF:43317.2/62

All: -51.228+/-0.038 χ^2/NDF: 77250.6/119



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: -16.885+/-0.117 χ^2/NDF: 916.7/37

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

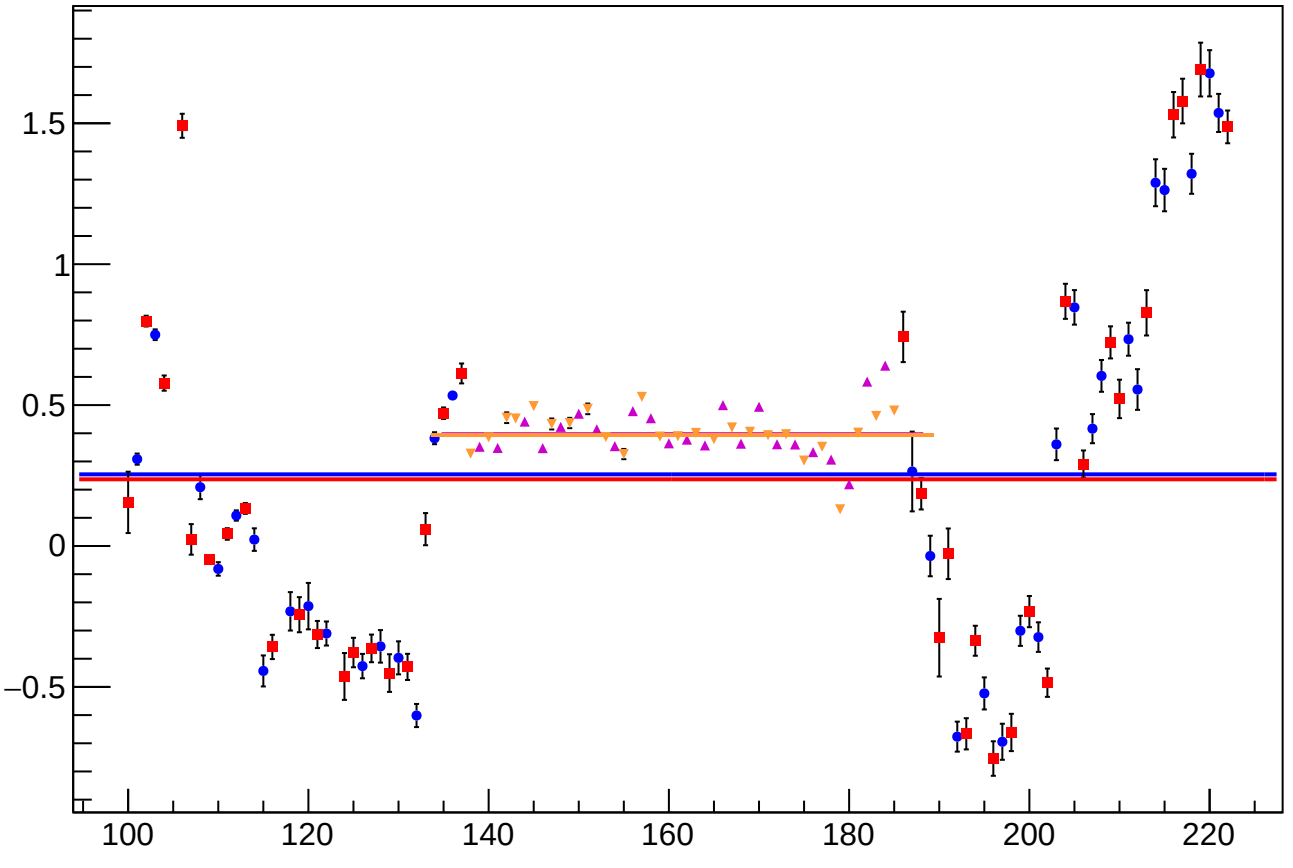
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.742+/-0.084 χ^2/NDF: 1929.4/71

In: -19.592+/-0.053 χ^2/NDF:6064.7/56

Out: -19.631+/-0.051 χ^2/NDF:8614.4/62

All: -19.612+/-0.037 χ^2/NDF: 14679.4/119



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: 0.237+/-0.006 χ^2/NDF: 6248.8/37

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

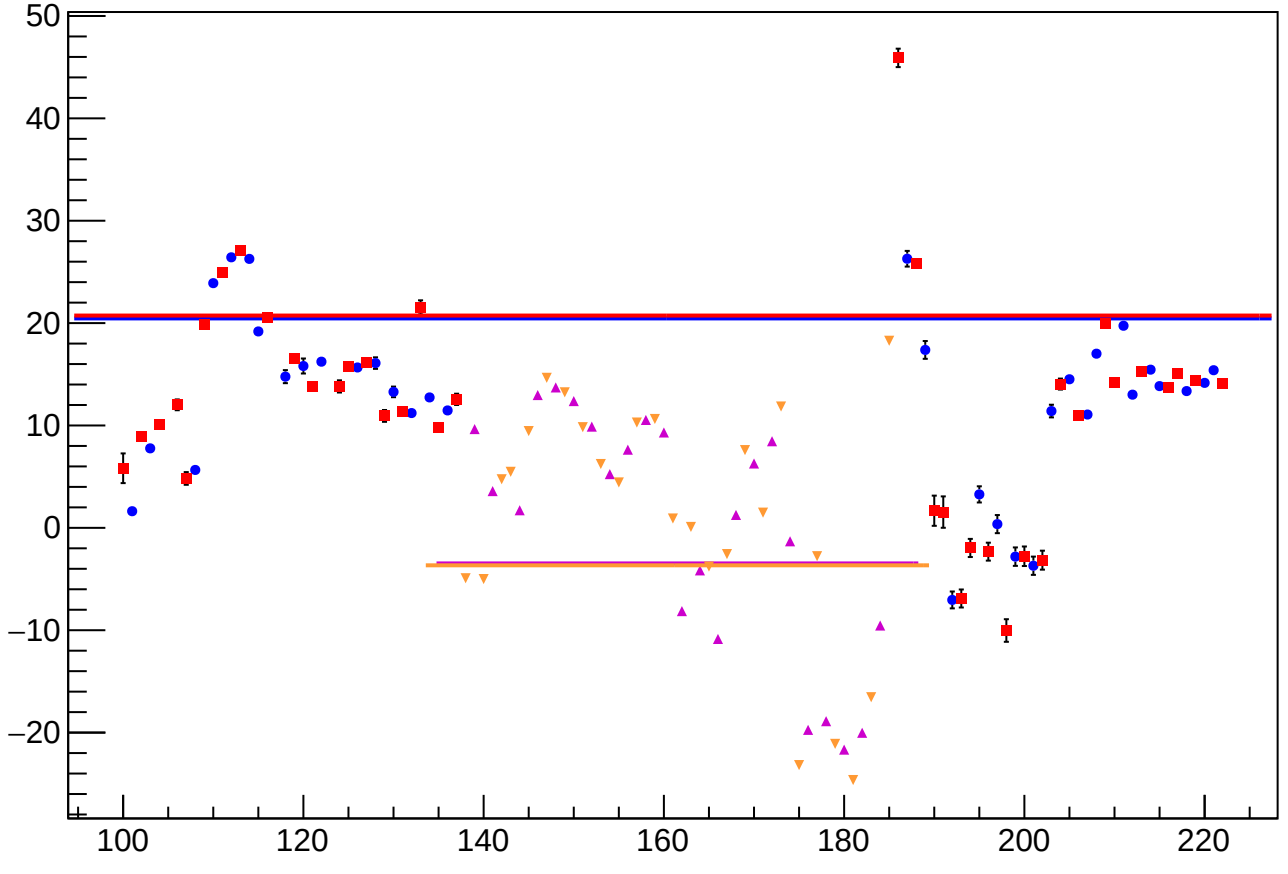
Right: 0.245+/-0.005 χ^2/NDF: 11298.9/71

In: 0.376+/-0.002 χ^2/NDF:6768.0/56

Out: 0.372+/-0.002 χ^2/NDF:7716.3/62

All: 0.374+/-0.002 χ^2/NDF: 14485.6/119

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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: 20.737+/-0.043 χ^2/NDF: 19582.7/37

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

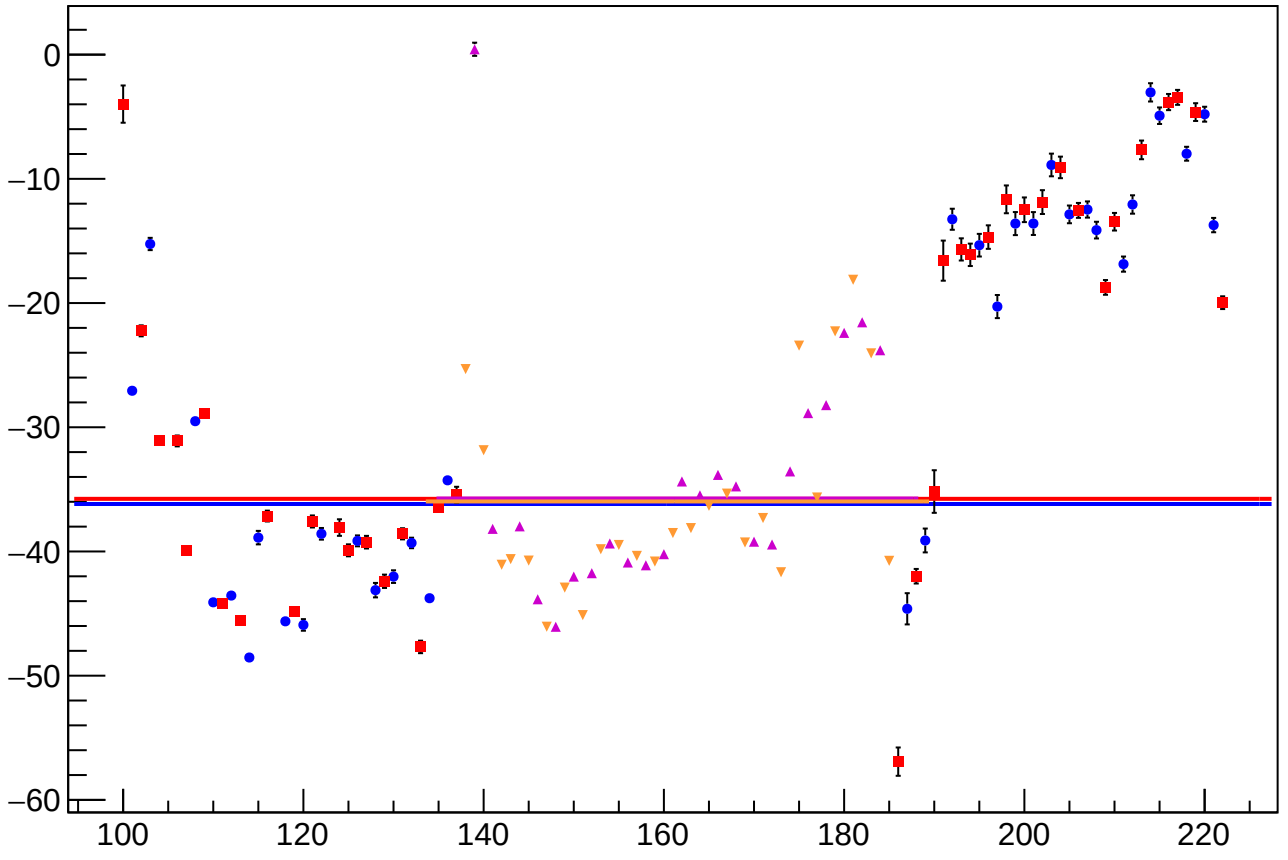
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.619+/-0.032 χ^2/NDF: 39541.2/71

In: 10.164+/-0.038 χ^2/NDF:164071.4/56

Out: 11.480+/-0.034 χ^2/NDF:200512.8/62

All: 10.897+/-0.025 χ^2/NDF: 365264.1/119



Right In: -36.178+/-0.070 χ^2/NDF: 31510.8/33

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -35.763+/-0.066 χ^2/NDF: 29674.7/37

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

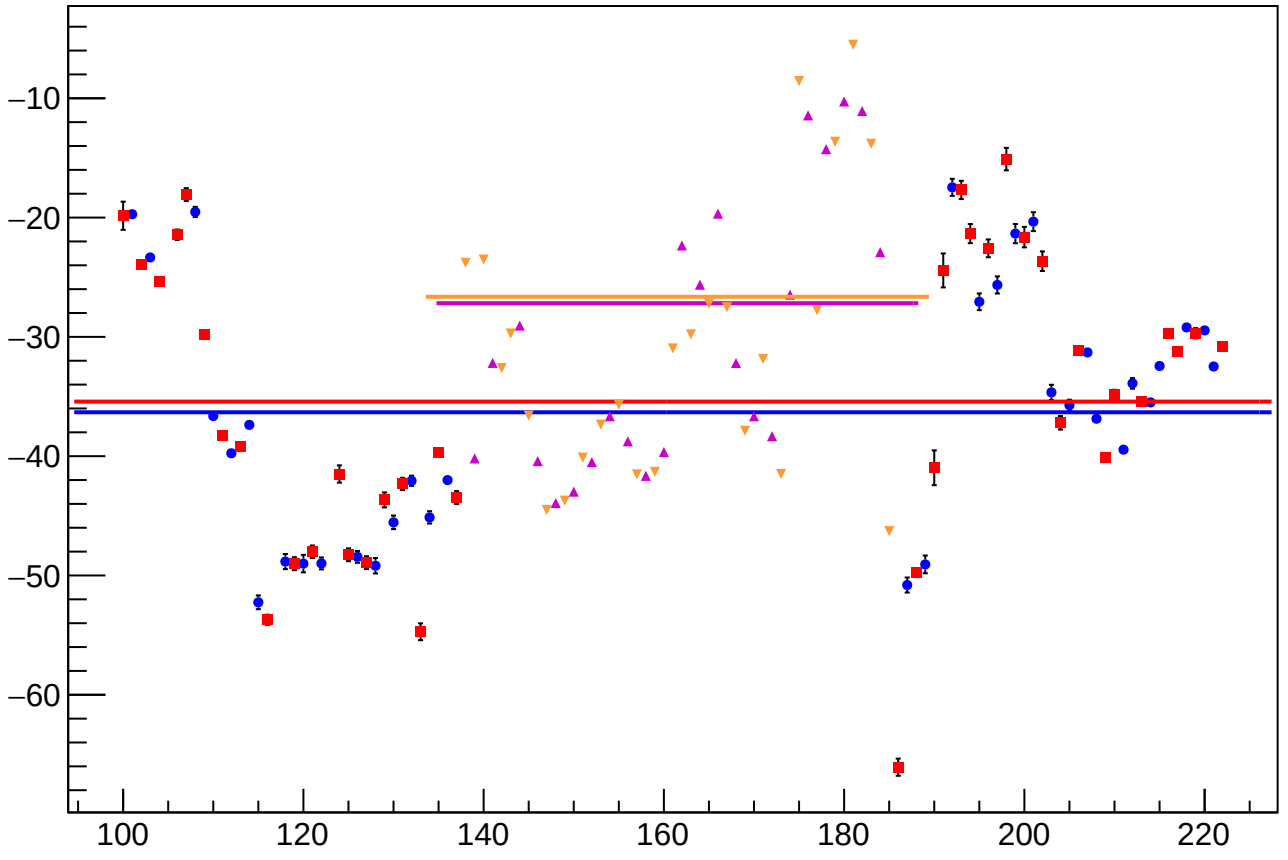
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -35.958+/-0.048 χ^2/NDF: 61204.2/71

In: -35.866+/-0.038 χ^2/NDF:58693.7/56

Out: -35.911+/-0.036 χ^2/NDF:63291.2/62

All: -35.890+/-0.026 χ^2/NDF: 121985.6/119



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: -35.424+/-0.056 χ^2/NDF: 20179.7/37

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

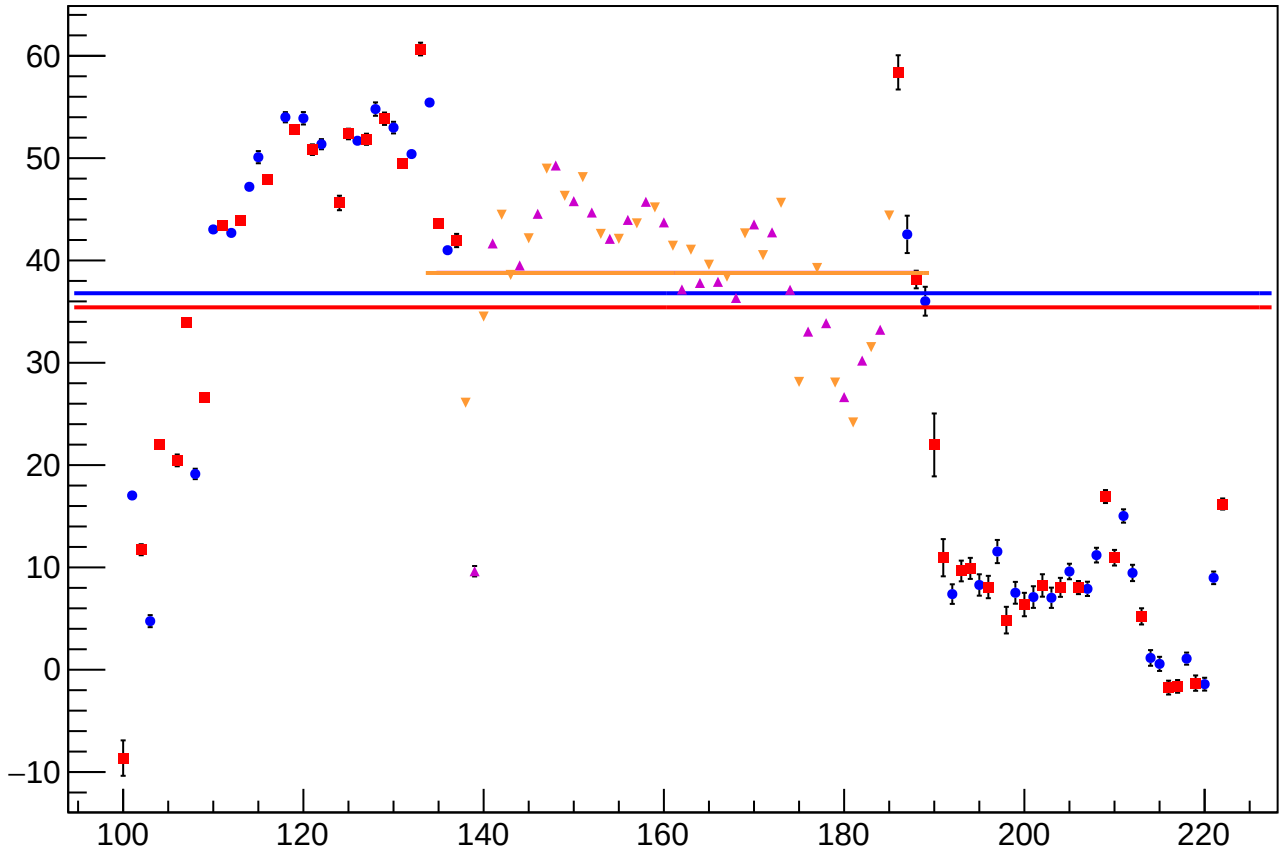
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -35.831+/-0.041 χ^2/NDF: 35406.9/71

In: -31.451+/-0.042 χ^2/NDF:68036.8/56

Out: -30.941+/-0.039 χ^2/NDF:82915.6/62

All: -31.179+/-0.028 χ^2/NDF: 151032.1/119



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: 35.419+/-0.073 χ^2/NDF: 41077.0/37

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

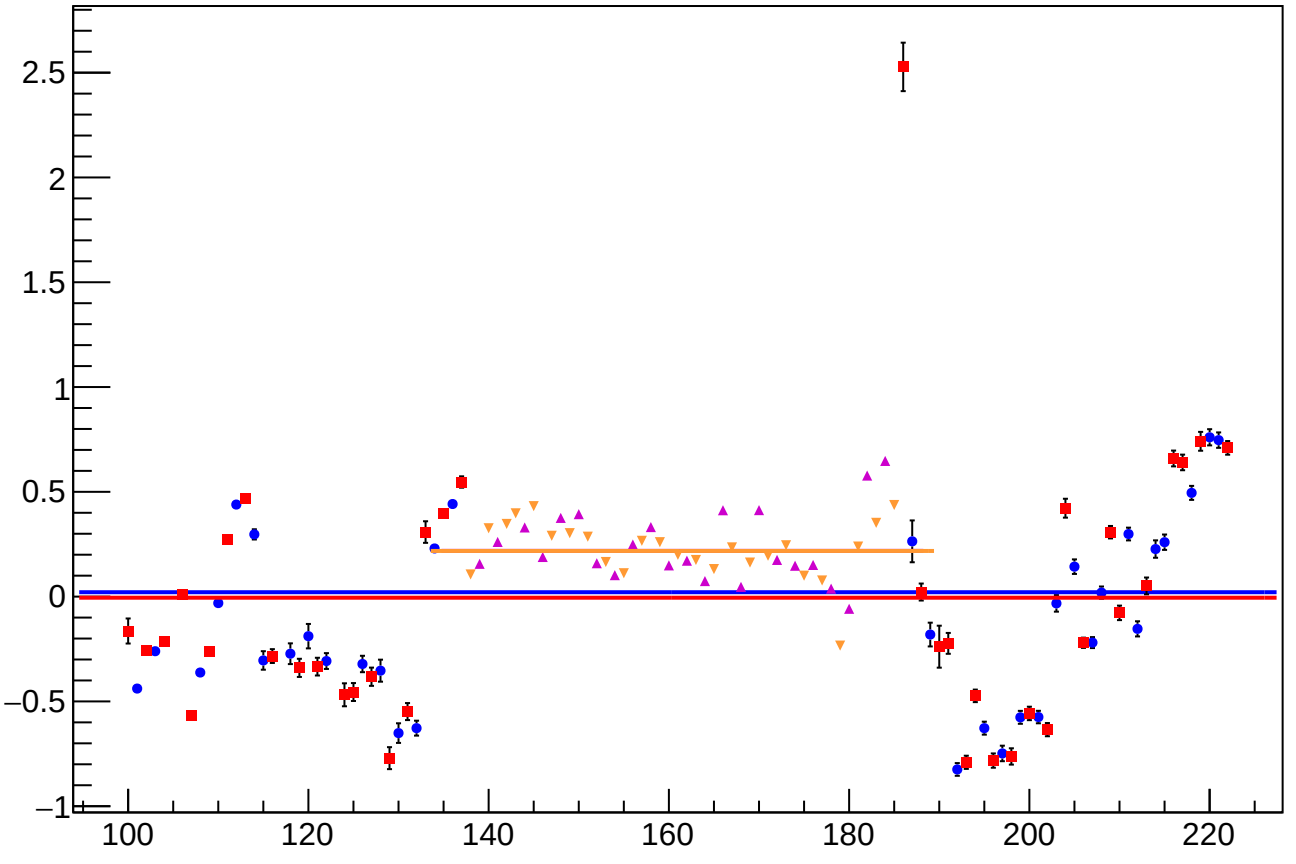
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 36.061+/-0.053 χ^2/NDF: 86361.6/71

In: 38.203+/-0.042 χ^2/NDF:61823.1/56

Out: 37.763+/-0.040 χ^2/NDF:63643.9/62

All: 37.971+/-0.029 χ^2/NDF: 125524.5/119



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: -0.005+/-0.004 χ^2/NDF: 11059.0/37

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

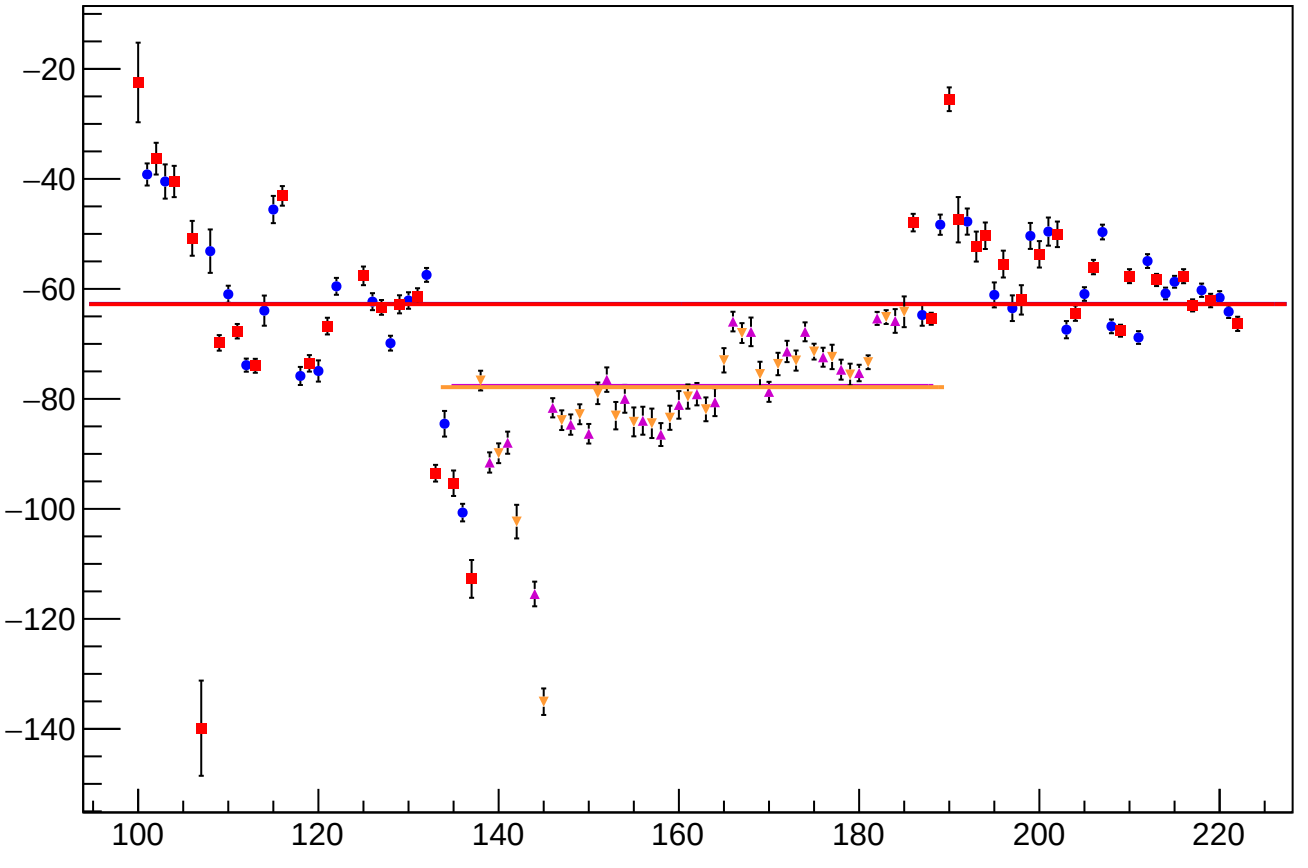
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.007+/-0.003 χ^2/NDF: 20326.4/71

In: 0.174+/-0.002 χ^2/NDF:16303.8/56

Out: 0.166+/-0.002 χ^2/NDF:17661.9/62

All: 0.170+/-0.001 χ^2/NDF: 33976.0/119



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: -62.776+/-0.265 χ^2/NDF: 1998.5/36

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

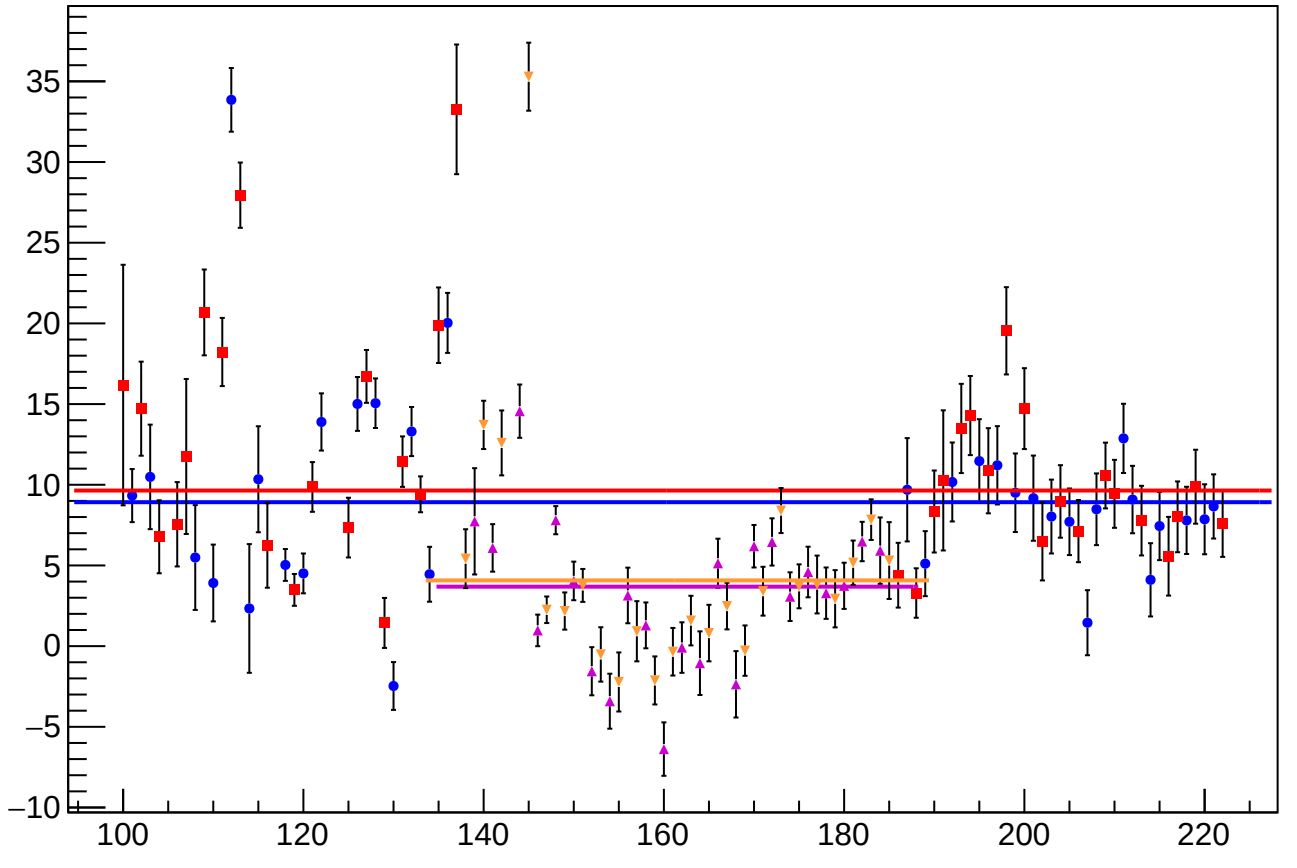
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.753+/-0.187 χ^2/NDF: 3498.5/70

In: -67.285+/-0.219 χ^2/NDF:3176.1/56

Out: -67.475+/-0.220 χ^2/NDF:3940.6/60

All: -67.380+/-0.155 χ^2/NDF: 7117.1/117



Right In: 8.920+/-0.333 χ^2/NDF: 372.7/33

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.643+/-0.333 χ^2/NDF: 322.2/36

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

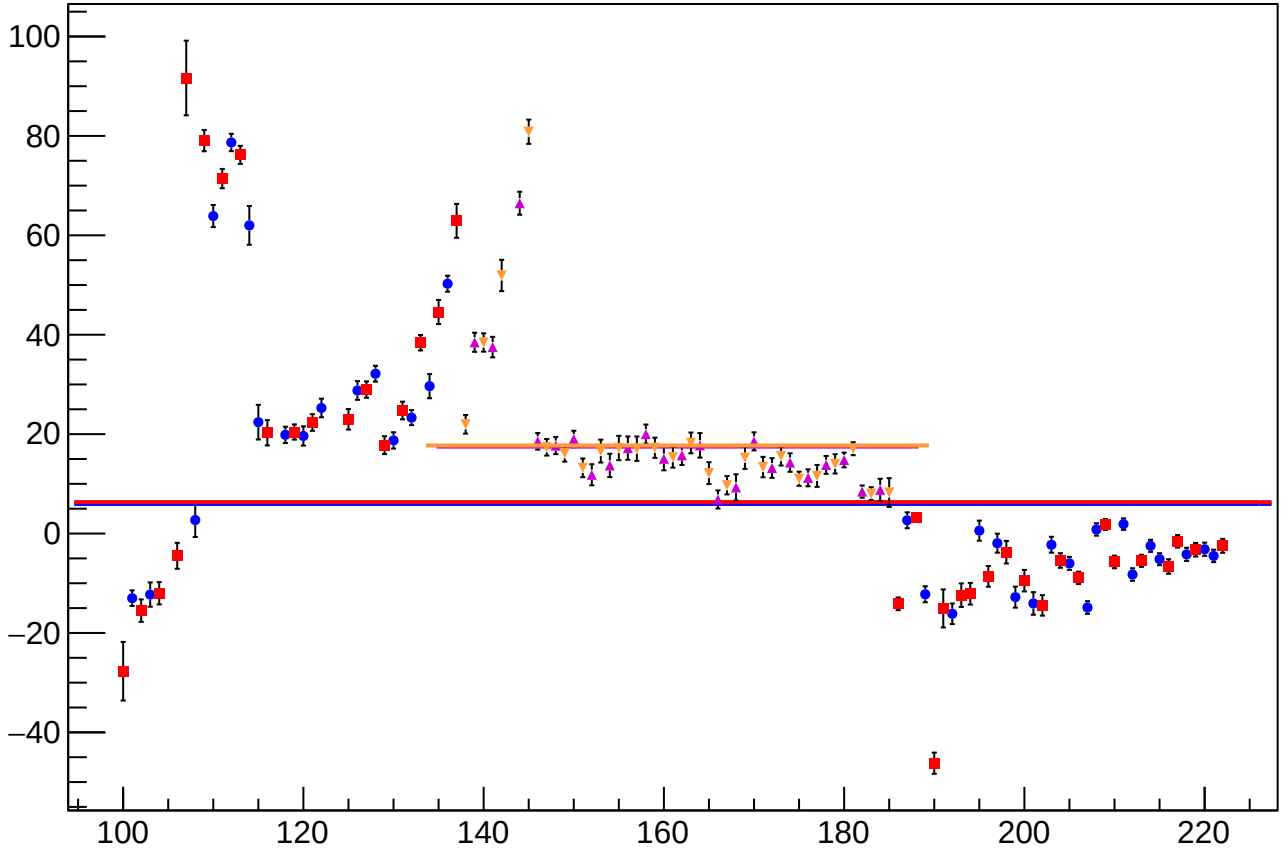
Right: 9.281+/-0.235 χ^2/NDF: 697.2/70

In: 6.047+/-0.224 χ^2/NDF:691.1/56

Out: 6.537+/-0.222 χ^2/NDF:848.6/60

All: 6.294+/-0.157 χ^2/NDF: 1542.1/117

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: 6.332+/-0.277 χ^2/NDF: 7543.6/36

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

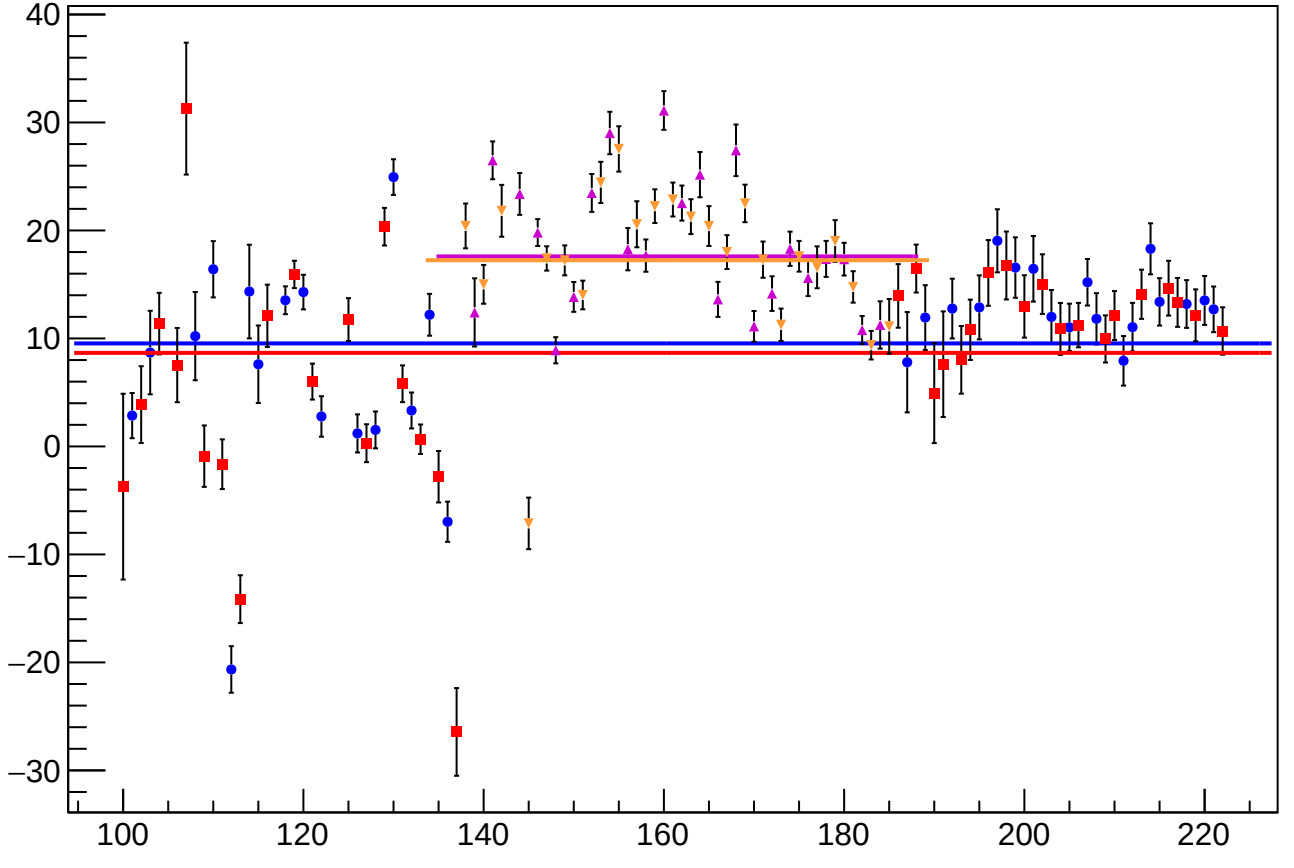
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 6.144+/-0.196 χ^2/NDF: 13346.2/70

In: 9.798+/-0.227 χ^2/NDF:7197.7/56

Out: 10.141+/-0.226 χ^2/NDF:9166.5/60

All: 9.970+/-0.160 χ^2/NDF: 16365.4/117



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: 8.664+/-0.383 χ^2/NDF: 458.6/36

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

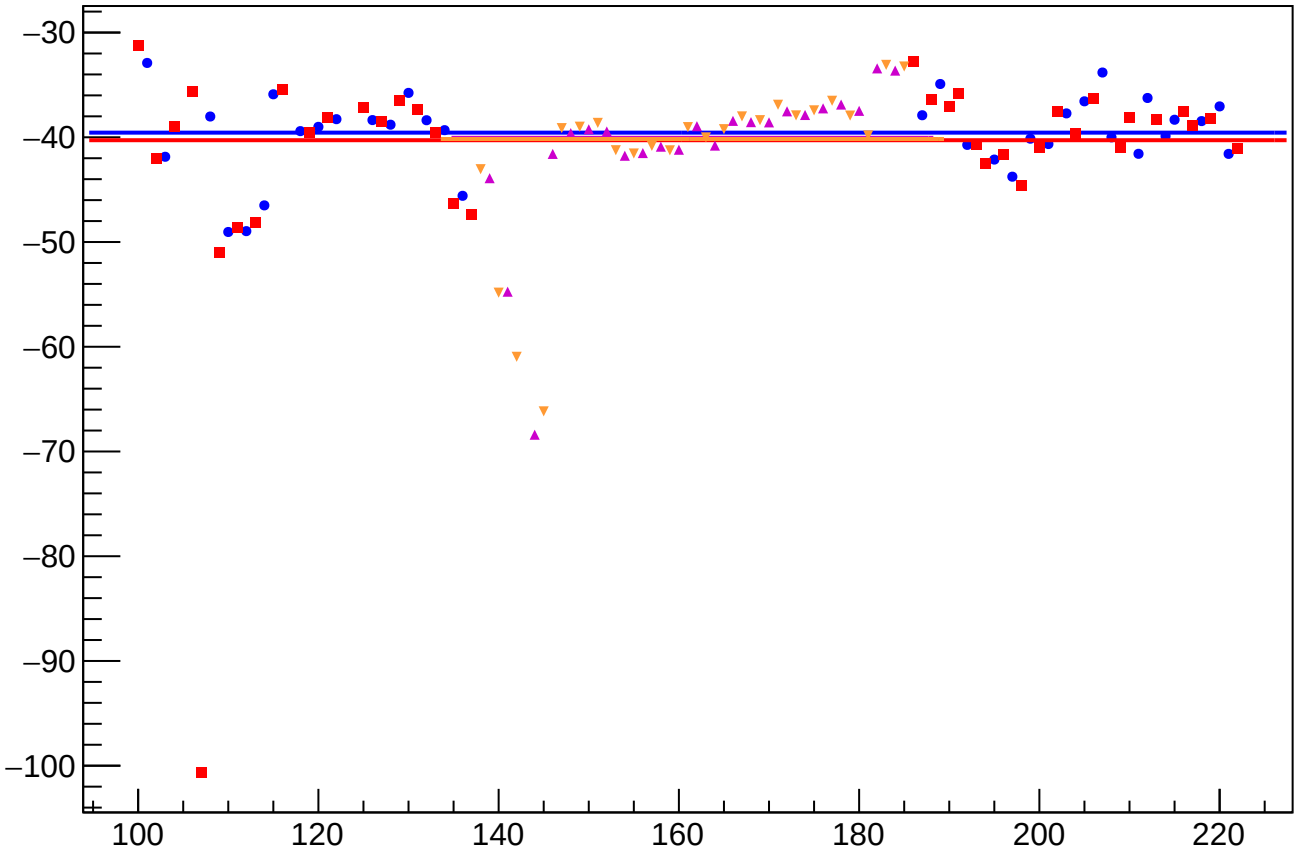
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 9.108+/-0.269 χ^2/NDF: 994.0/70

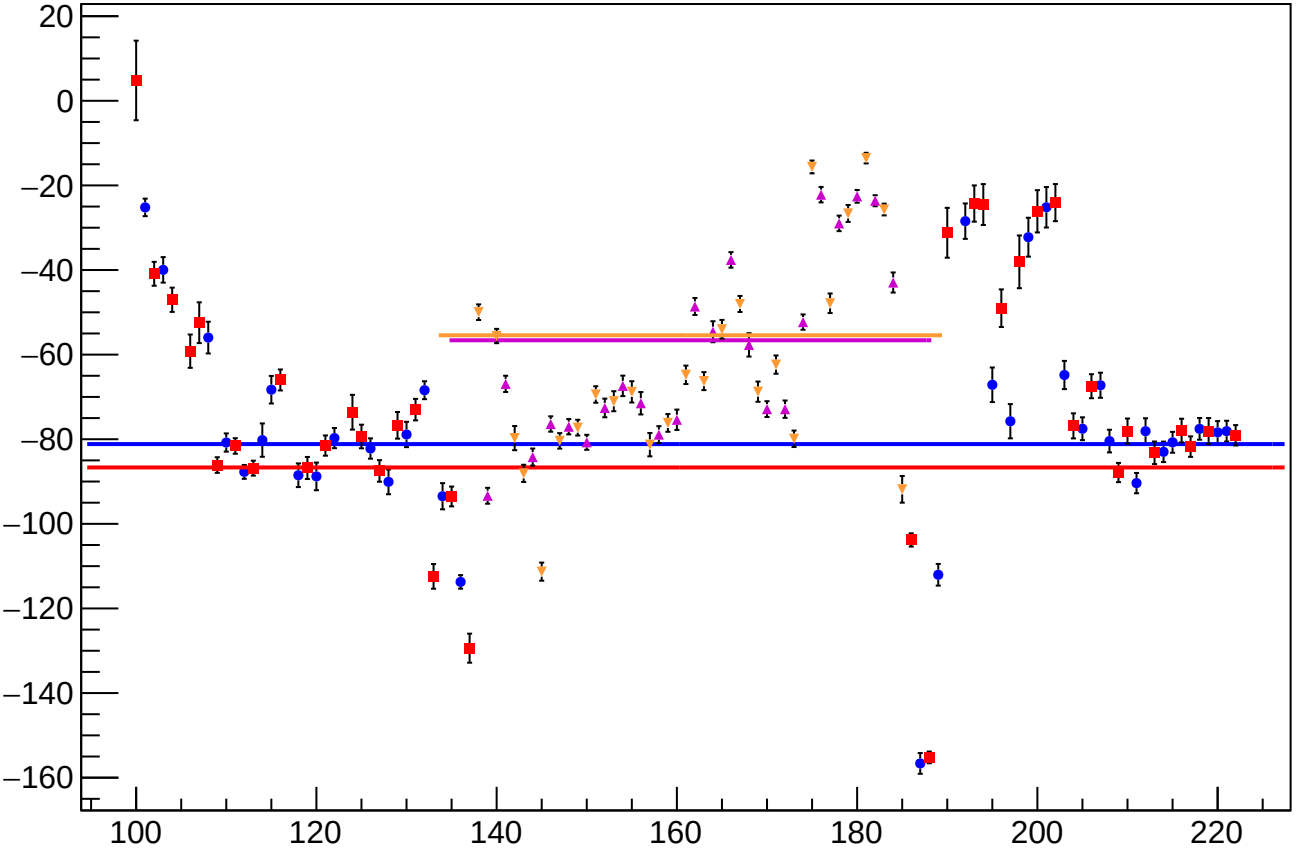
In: 13.971+/-0.254 χ^2/NDF:1091.8/56

Out: 13.490+/-0.254 χ^2/NDF:1001.3/60

All: 13.730+/-0.179 χ^2/NDF: 2094.9/117


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
120
140
160
180
200
220
Right In: -39.556+/-0.019 χ²/NDF: 34509.7/33
Left Out: -40.165+/-0.015 χ²/NDF:163335.9/23
Right Out: -40.280+/-0.019 χ²/NDF: 74220.3/36
Left In: -40.050+/-0.015 χ²/NDF:136438.5/22
Left: -40.107+/-0.011 χ²/NDF: 299802.1/46
Right: -39.917+/-0.014 χ²/NDF: 109440.0/70
In: -39.856+/-0.012 χ²/NDF:171351.3/56
Out: -40.210+/-0.012 χ²/NDF:237578.0/60
All: -40.032+/-0.008 χ²/NDF: 409361.2/117

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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: -86.670+/-0.437 χ^2/NDF: 4651.2/36

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

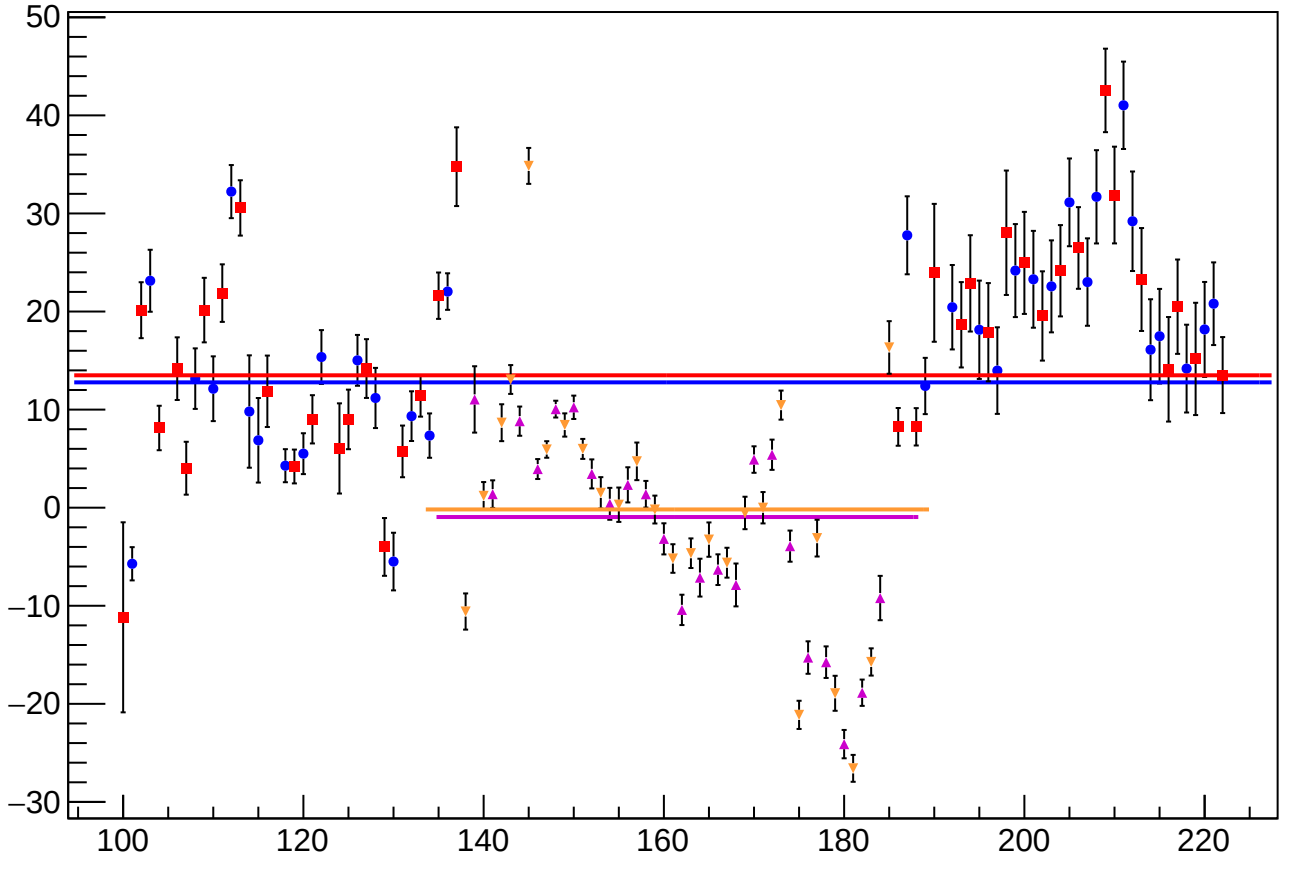
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.023+/-0.315 χ^2/NDF: 7795.0/70

In: -67.405+/-0.302 χ^2/NDF:8042.9/56

Out: -69.400+/-0.292 χ^2/NDF:11999.8/61

All: -68.435+/-0.210 χ^2/NDF: 20065.2/118



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+/-0.521 χ^2/NDF: 317.1/36

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

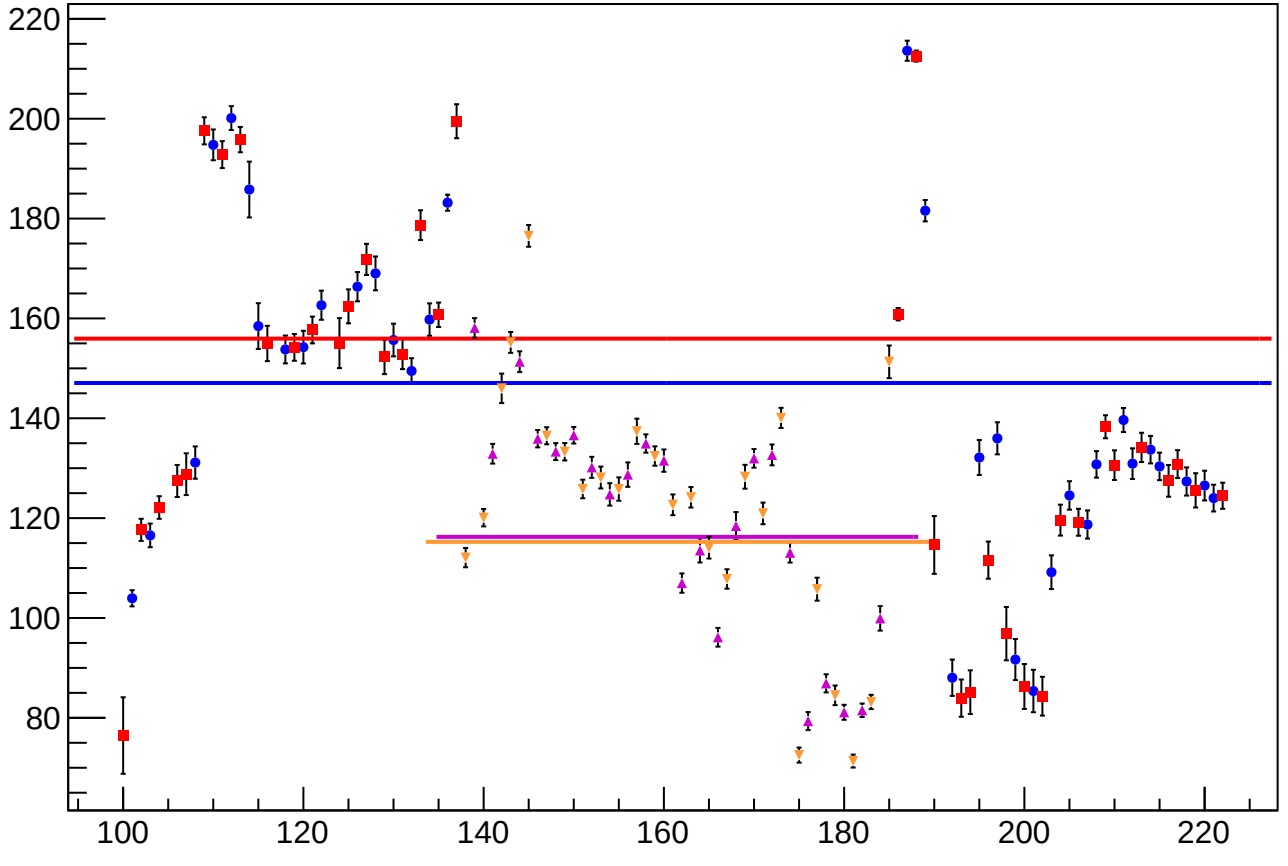
Right: 13.147+/-0.373 χ^2/NDF: 740.4/70

In: 2.416+/-0.264 χ^2/NDF:1992.1/56

Out: 3.129+/-0.256 χ^2/NDF:2438.7/61

All: 2.783+/-0.184 χ^2/NDF: 4434.6/118

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 147.063+/-0.471 χ^2/NDF: 4963.9/33

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 155.951+/-0.443 χ^2/NDF: 6717.0/36

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

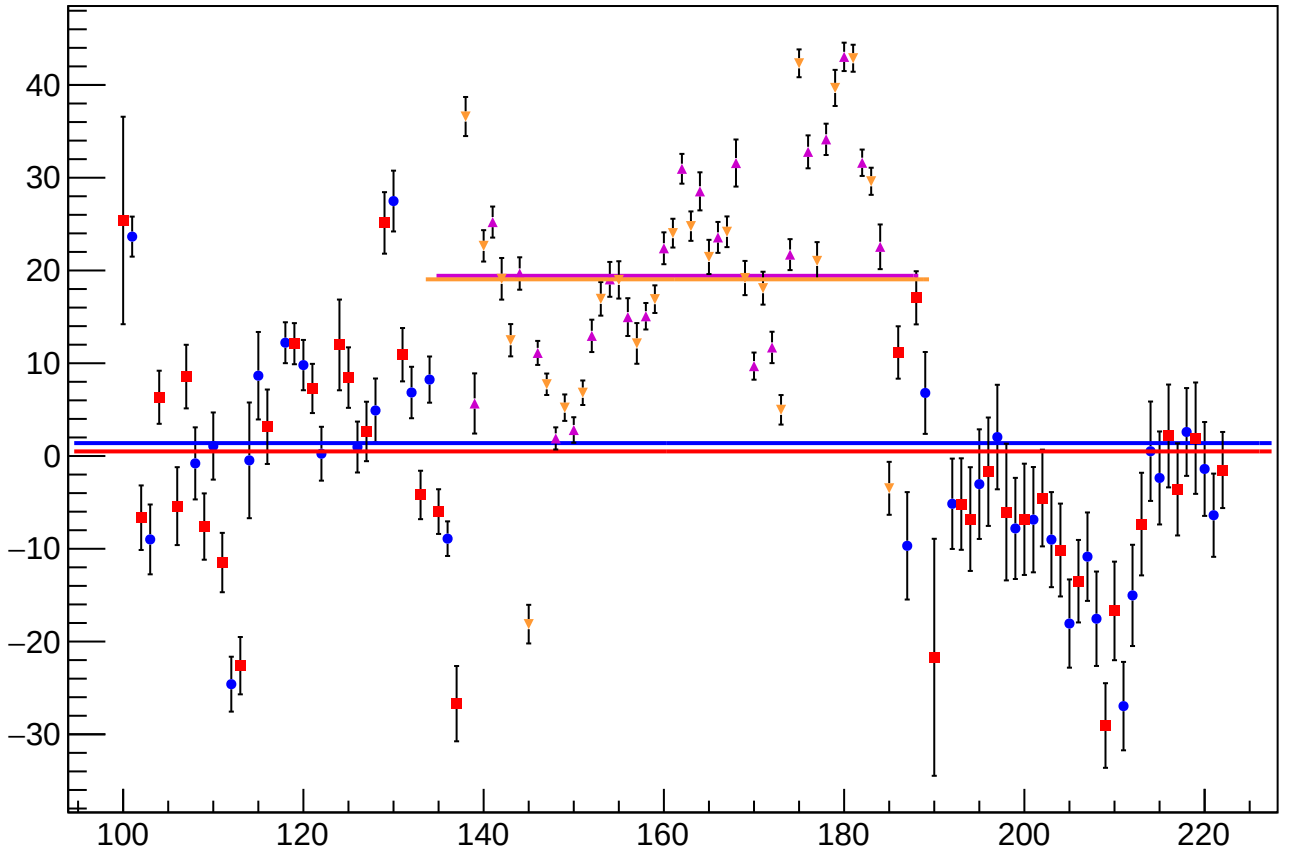
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 151.776+/-0.323 χ^2/NDF: 11870.0/70

In: 129.140+/-0.304 χ^2/NDF:11095.2/56

Out: 133.037+/-0.293 χ^2/NDF:16307.5/61

All: 131.164+/-0.211 χ^2/NDF: 27487.8/118



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: 0.495+/-0.612 χ^2/NDF: 392.9/36

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

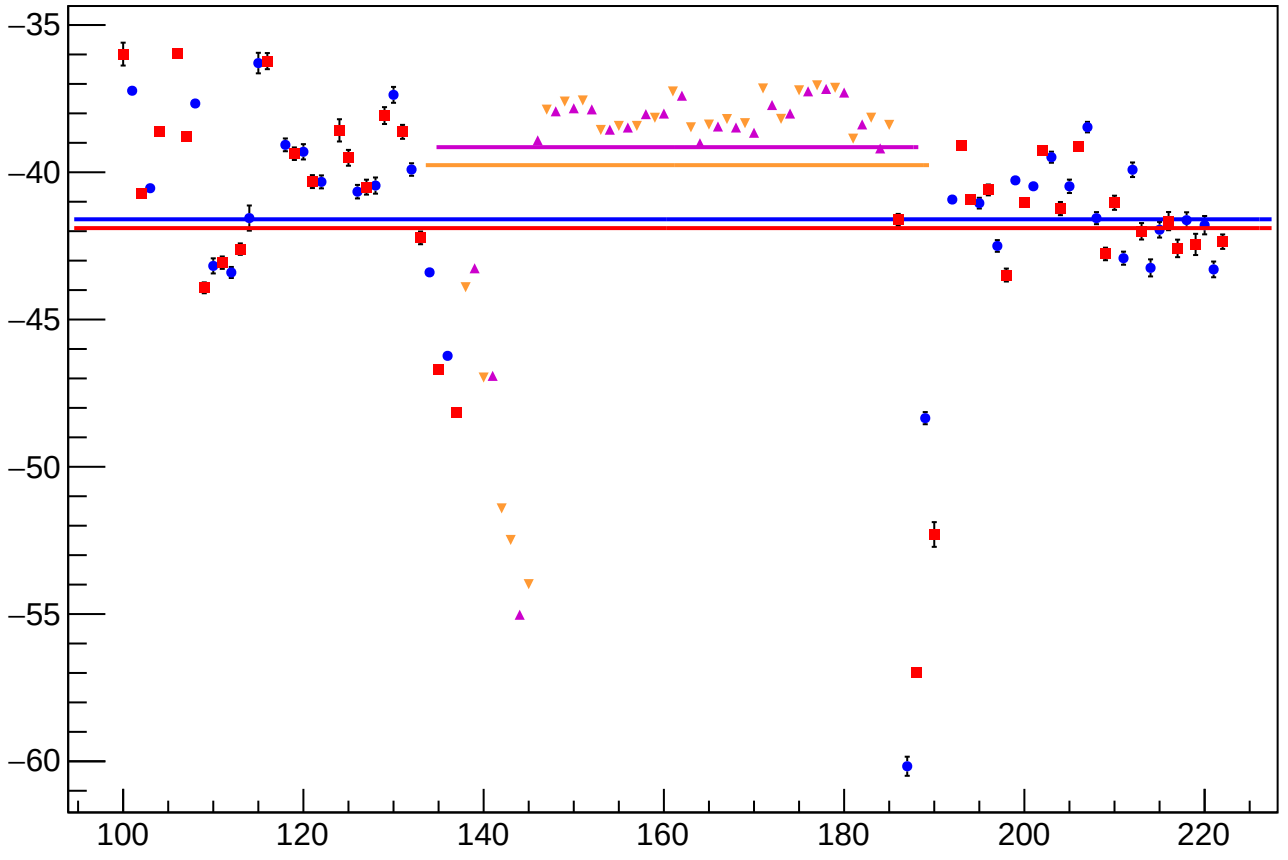
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 0.942+/-0.433 χ^2/NDF: 830.3/70

In: 15.075+/-0.301 χ^2/NDF:2170.0/56

Out: 14.742+/-0.295 χ^2/NDF:2645.4/61

All: 14.905+/-0.211 χ^2/NDF: 4816.0/118



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: -41.896+/-0.030 χ^2/NDF: 19774.6/36

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

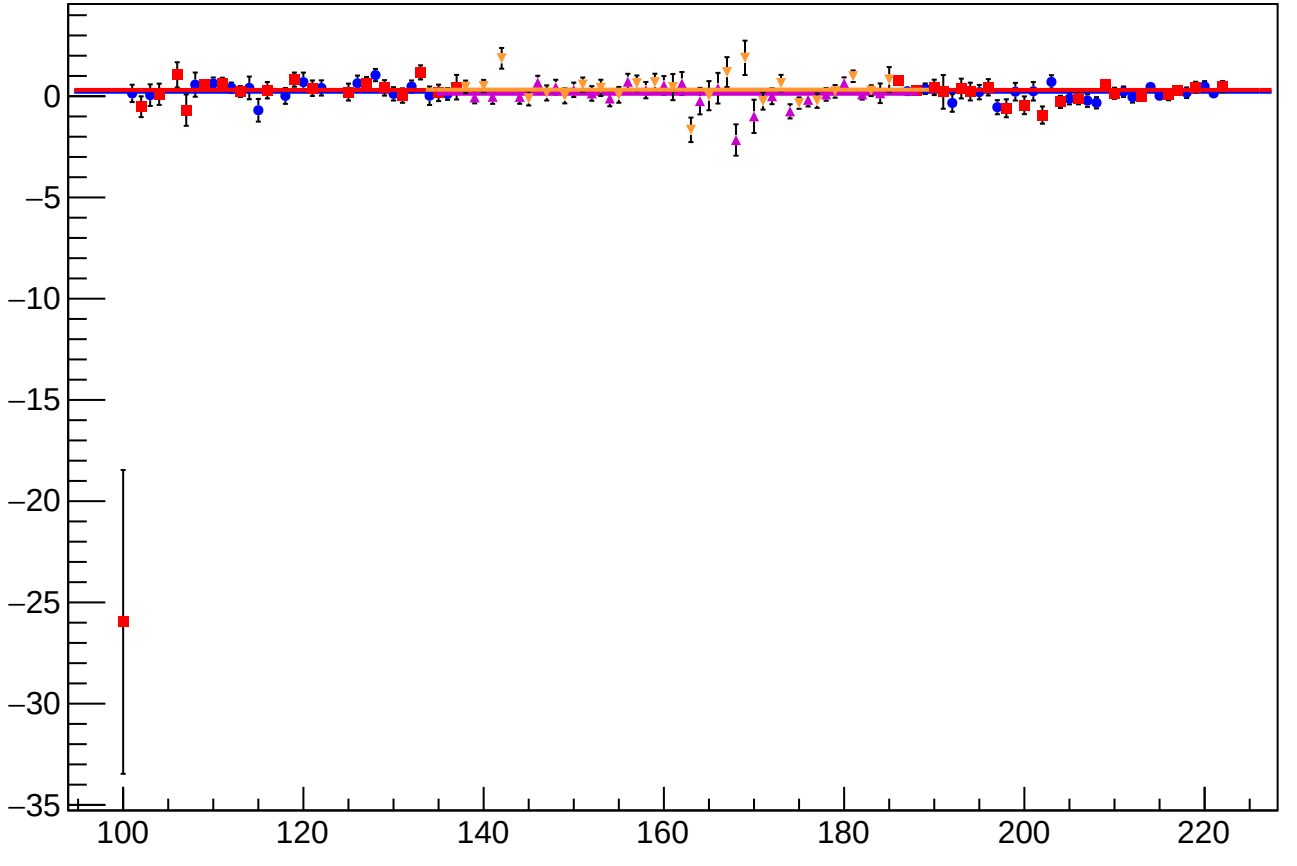
Right: -41.744+/-0.021 χ^2/NDF: 32872.5/70

In: -39.666+/-0.014 χ^2/NDF:65165.9/56

Out: -40.194+/-0.014 χ^2/NDF:105554.5/61

All: -39.932+/-0.010 χ^2/NDF: 171452.9/118

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.310+/-0.051 χ^2/NDF: 64.9/36

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

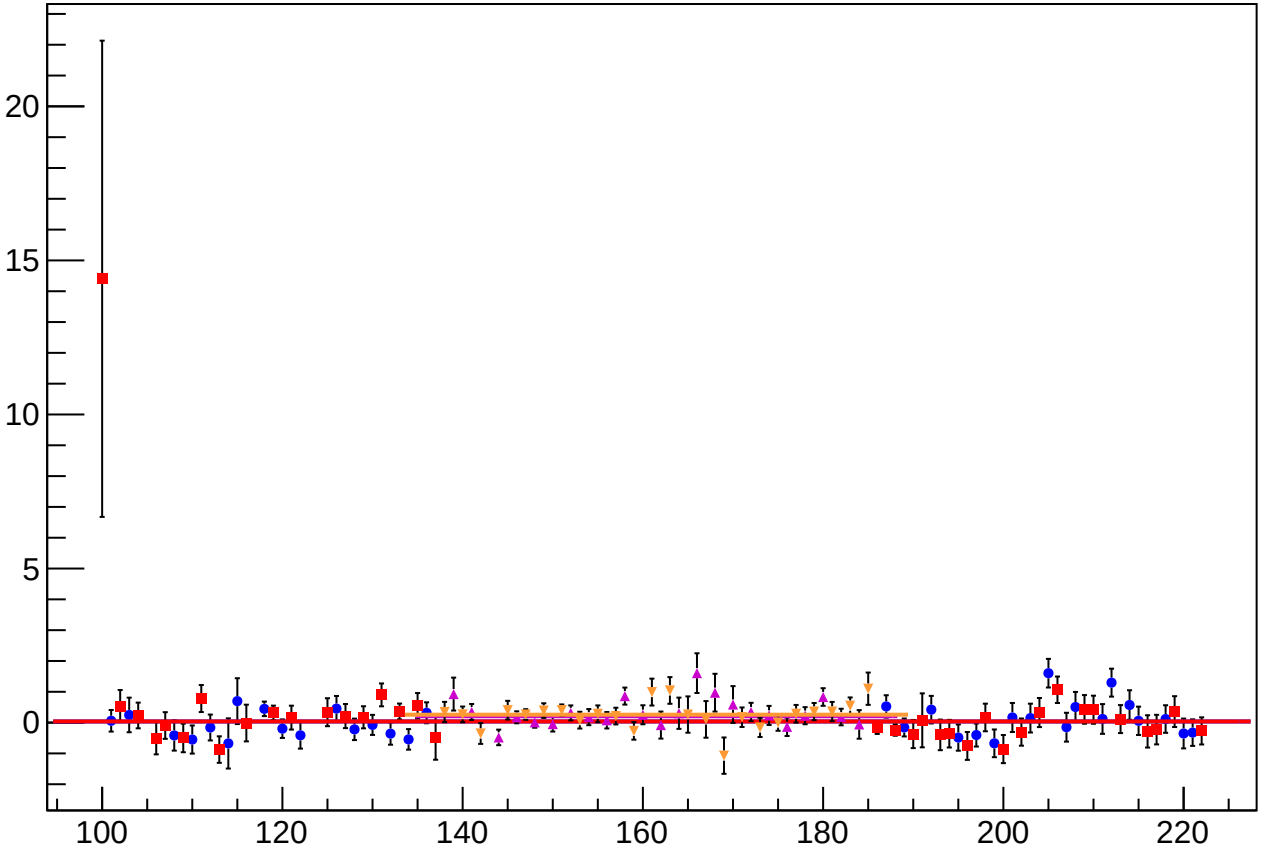
Right: 0.268+/-0.037 χ^2/NDF: 103.6/70

In: 0.189+/-0.045 χ^2/NDF:68.2/56

Out: 0.313+/-0.043 χ^2/NDF:111.9/60

All: 0.254+/-0.031 χ^2/NDF: 184.2/117

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: 0.038+/-0.065 χ^2/NDF: 48.1/36

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

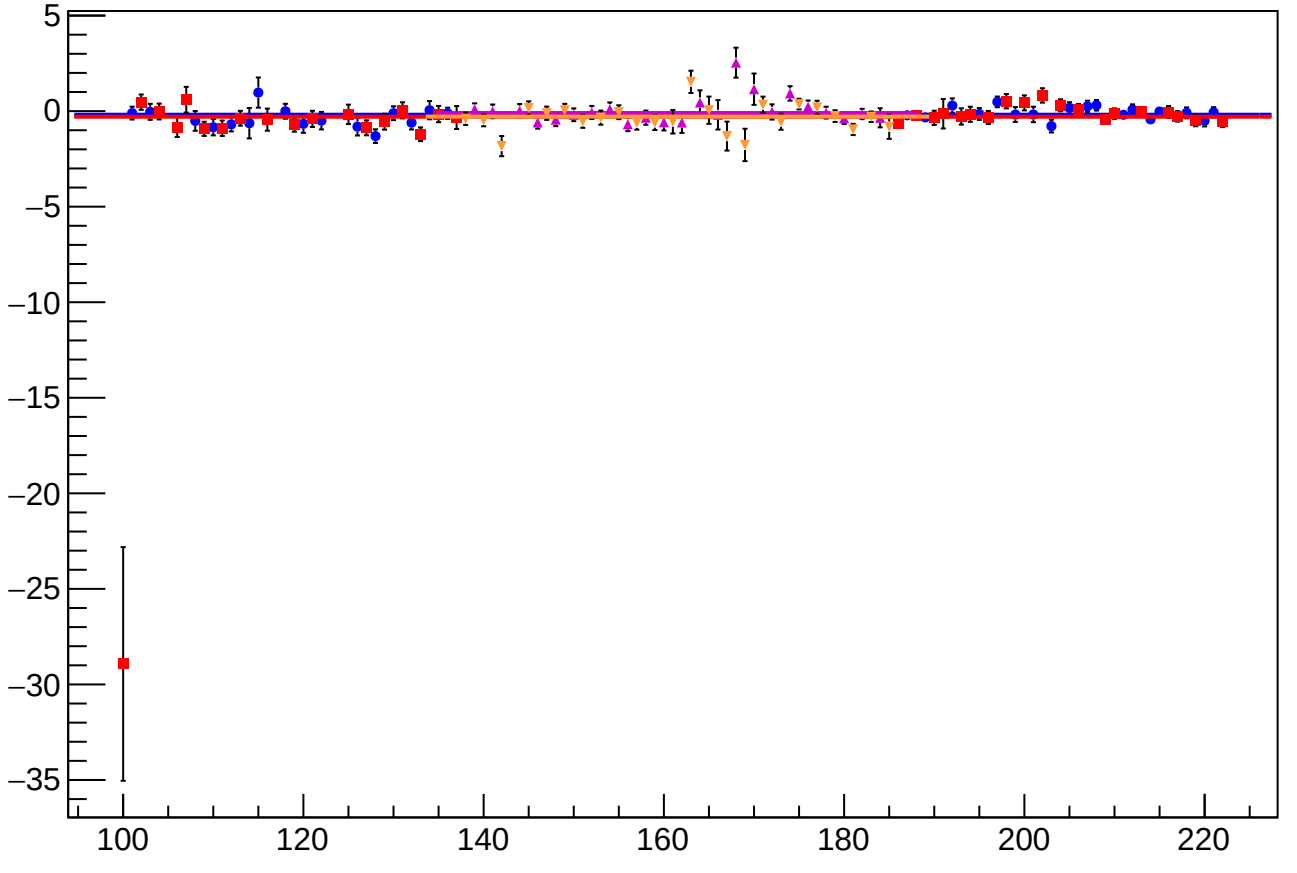
Right: 0.037+/-0.047 χ^2/NDF: 95.1/70

In: 0.133+/-0.045 χ^2/NDF:82.4/56

Out: 0.157+/-0.044 χ^2/NDF:80.8/60

All: 0.145+/-0.032 χ^2/NDF: 163.4/117

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: -0.293+/-0.050 χ^2/NDF: 78.6/36

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

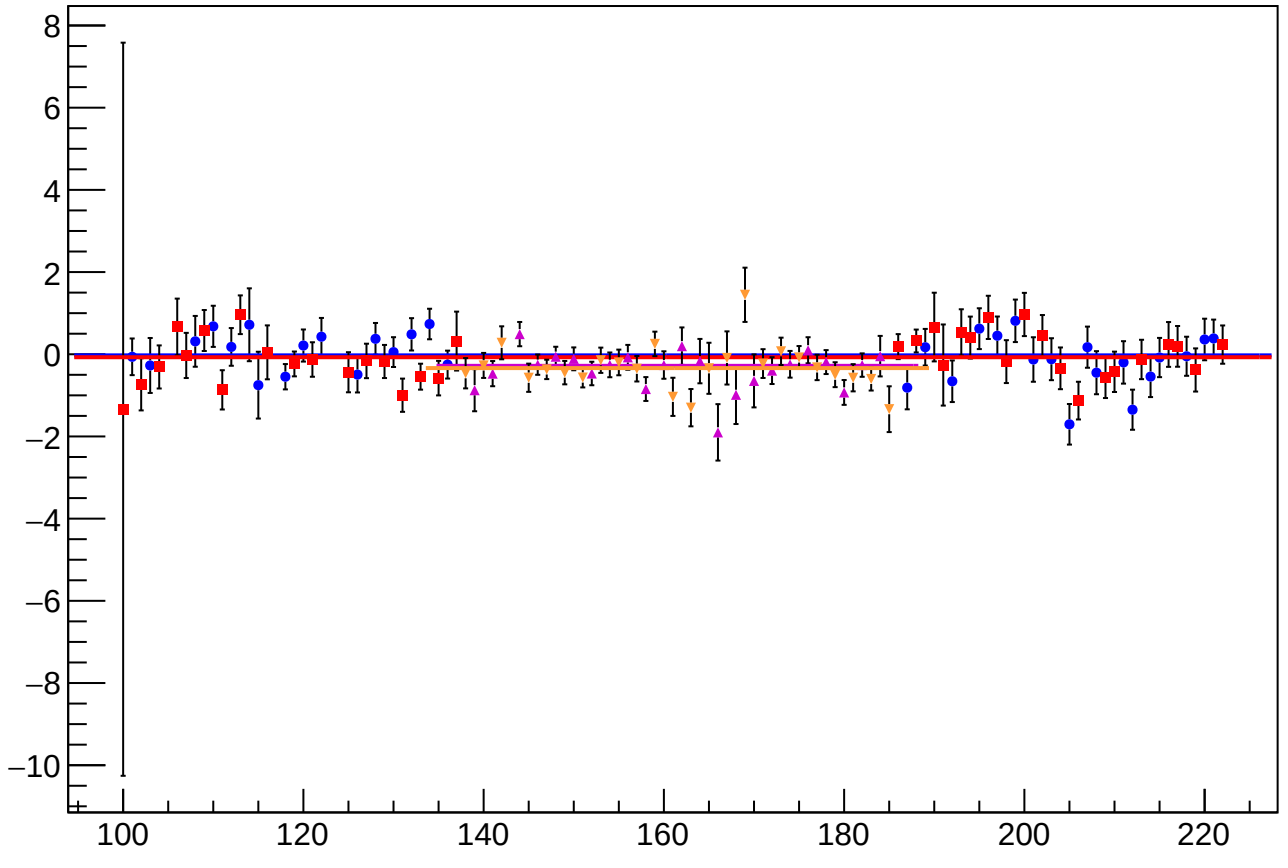
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.246+/-0.037 χ^2/NDF: 124.4/70

In: -0.159+/-0.045 χ^2/NDF:77.9/56

Out: -0.291+/-0.042 χ^2/NDF:123.6/60

All: -0.230+/-0.031 χ^2/NDF: 206.2/117



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: -0.072+/-0.077 χ^2/NDF: 44.5/36

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

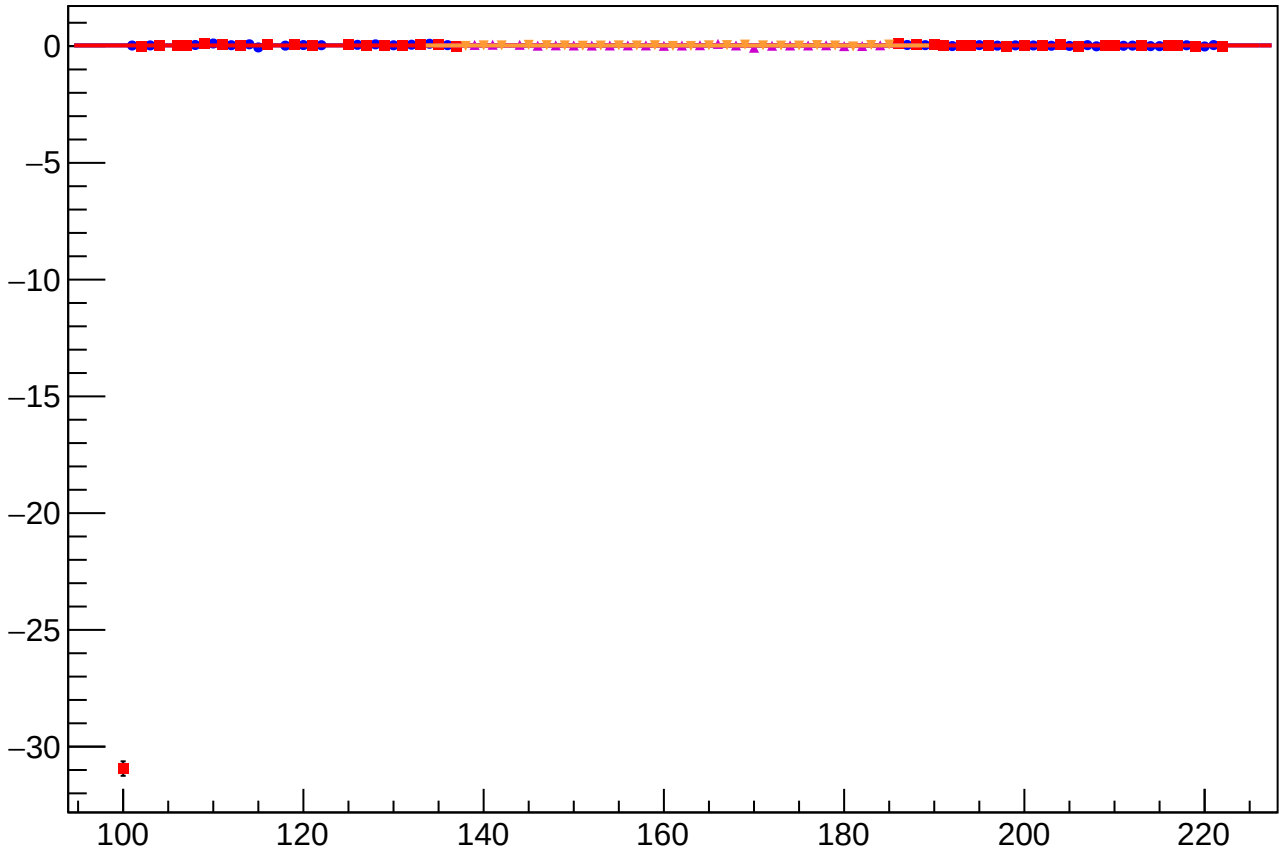
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.050+/-0.055 χ^2/NDF: 93.3/70

In: -0.172+/-0.052 χ^2/NDF:83.6/56

Out: -0.221+/-0.051 χ^2/NDF:81.2/60

All: -0.197+/-0.036 χ^2/NDF: 165.2/117



Right In: 0.032+/-0.004 χ^2/NDF: 43.2/33

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.029+/-0.004 χ^2/NDF: 10061.6/36

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

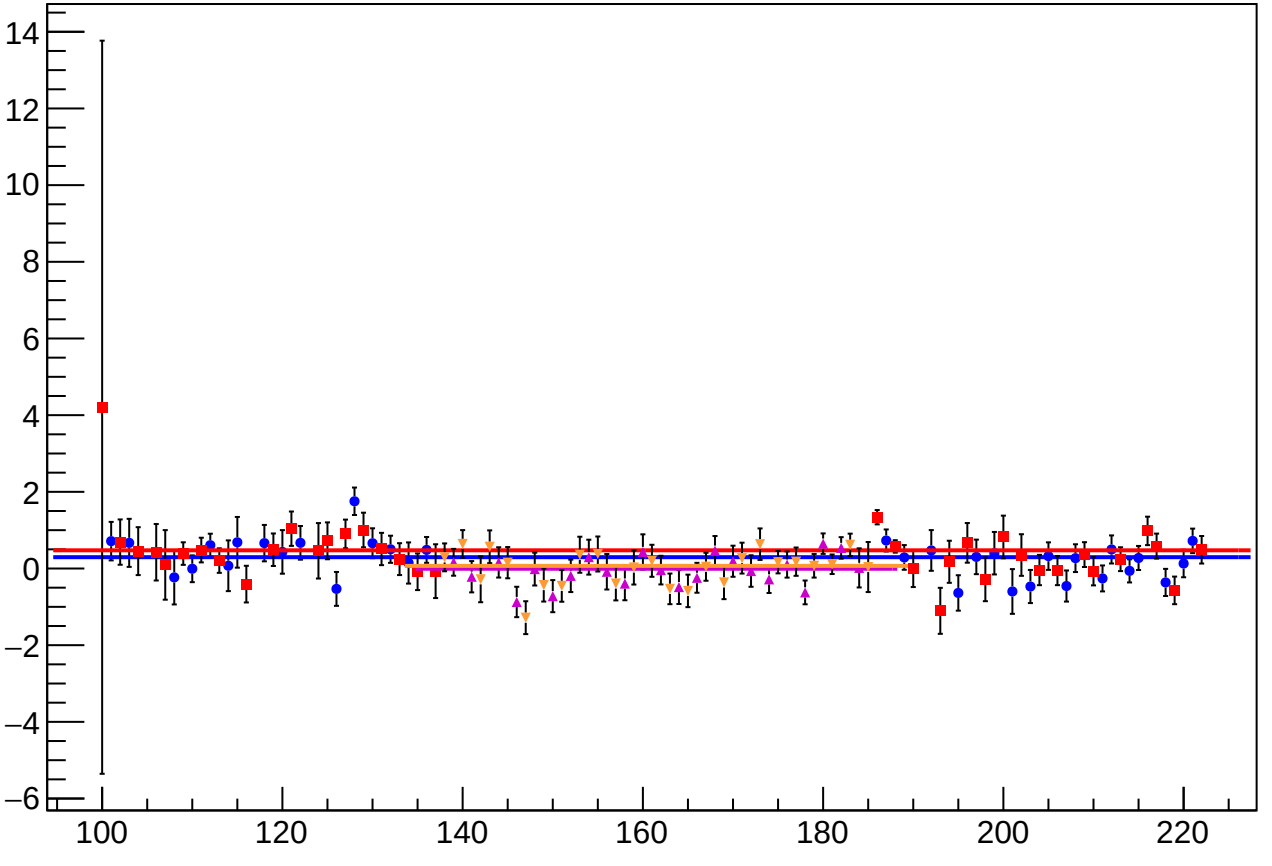
Right: 0.030+/-0.003 χ^2/NDF: 10105.2/70

In: 0.031+/-0.002 χ^2/NDF:82.4/56

Out: 0.028+/-0.002 χ^2/NDF:10089.2/60

All: 0.029+/-0.002 χ^2/NDF: 10172.0/117

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: 0.475+/-0.063 χ^2/NDF: 60.7/36

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

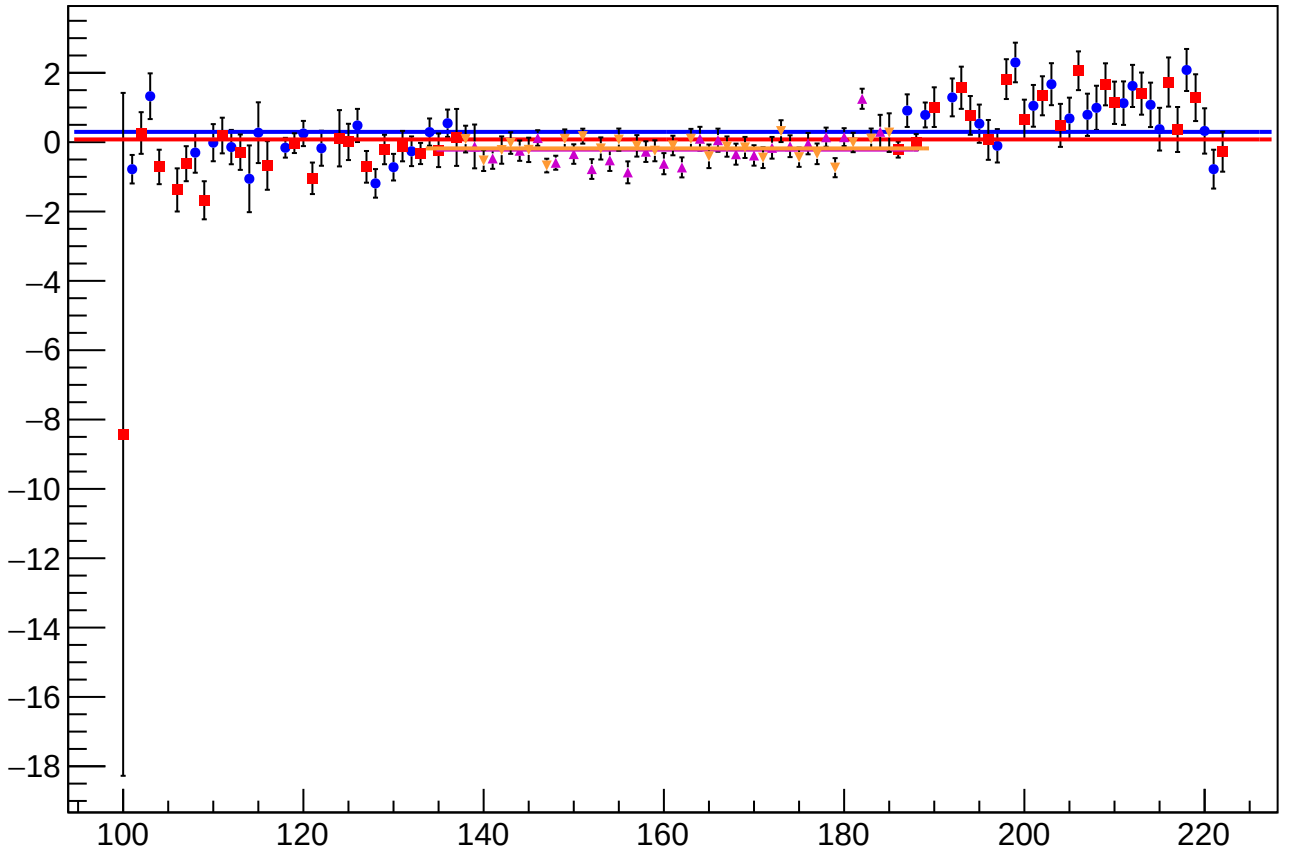
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.392+/-0.046 χ^2/NDF: 116.7/70

In: 0.168+/-0.052 χ^2/NDF:89.1/56

Out: 0.313+/-0.049 χ^2/NDF:108.5/61

All: 0.245+/-0.035 χ^2/NDF: 201.8/118



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: 0.079+/-0.078 χ^2/NDF: 98.7/36

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

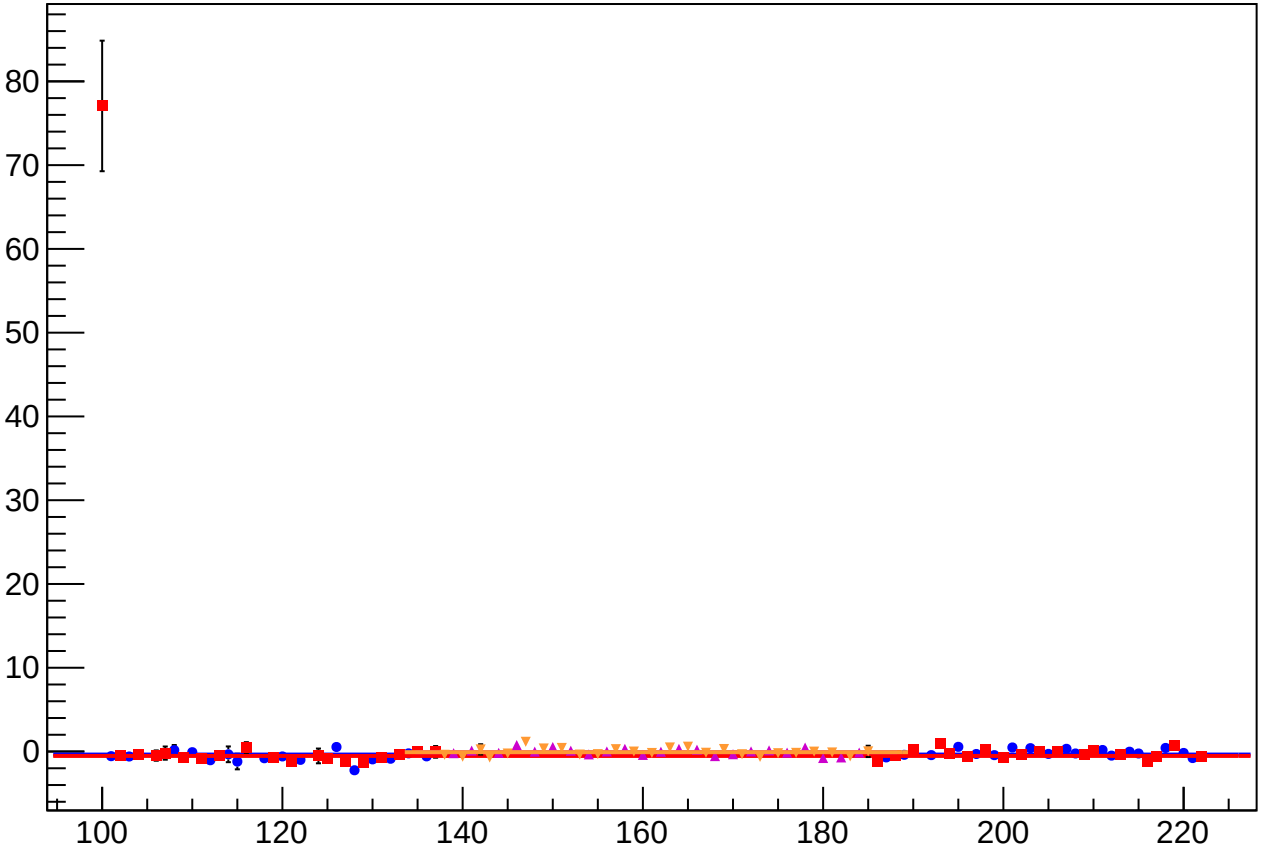
Right: 0.179+/-0.058 χ^2/NDF: 190.7/70

In: -0.039+/-0.050 χ^2/NDF:166.0/56

Out: -0.086+/-0.047 χ^2/NDF:130.4/61

All: -0.064+/-0.034 χ^2/NDF: 296.8/118

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+/-0.061 χ^2/NDF: 161.3/36

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

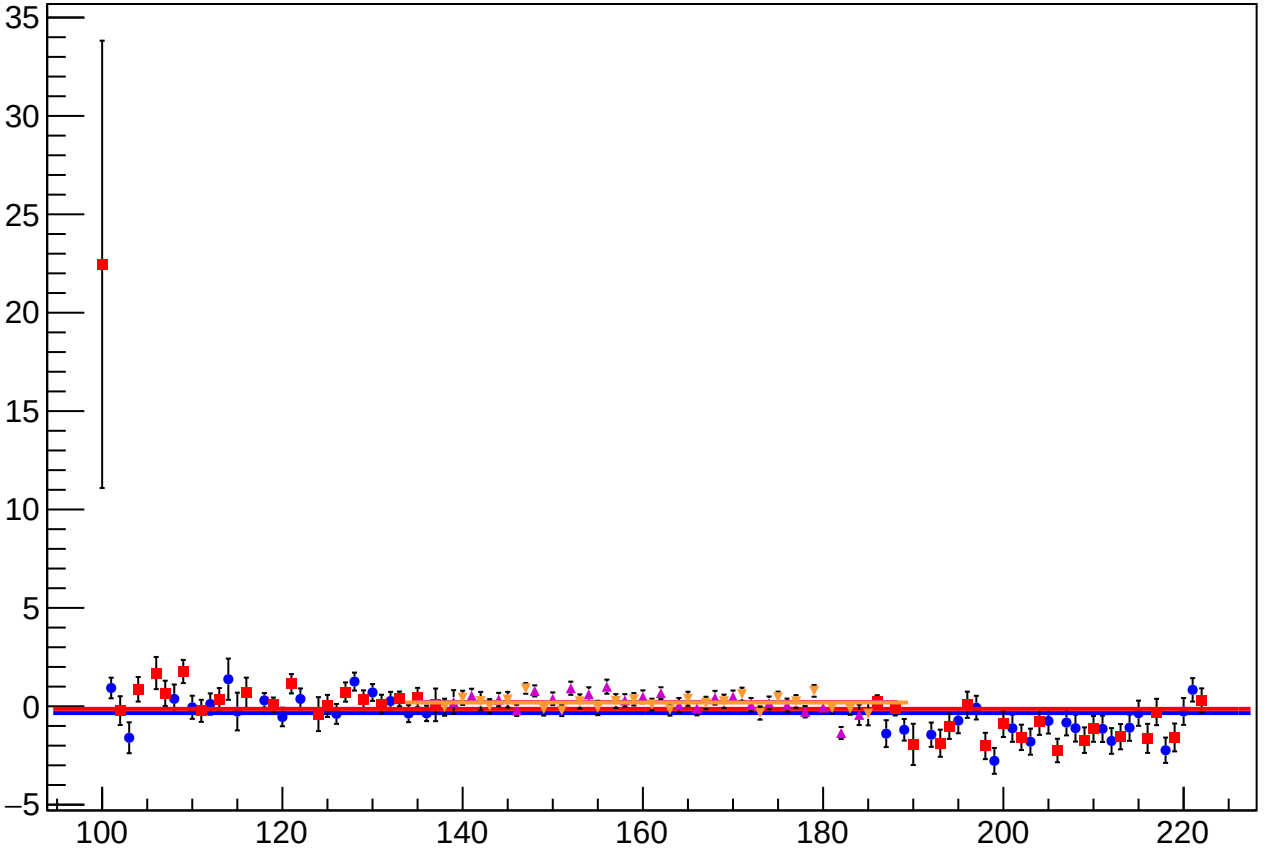
Right: -0.456+/-0.046 χ^2/NDF: 223.6/70

In: -0.238+/-0.052 χ^2/NDF:95.2/56

Out: -0.351+/-0.048 χ^2/NDF:212.2/61

All: -0.299+/-0.035 χ^2/NDF: 309.9/118

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: -0.130+/-0.094 χ^2/NDF: 102.5/36

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

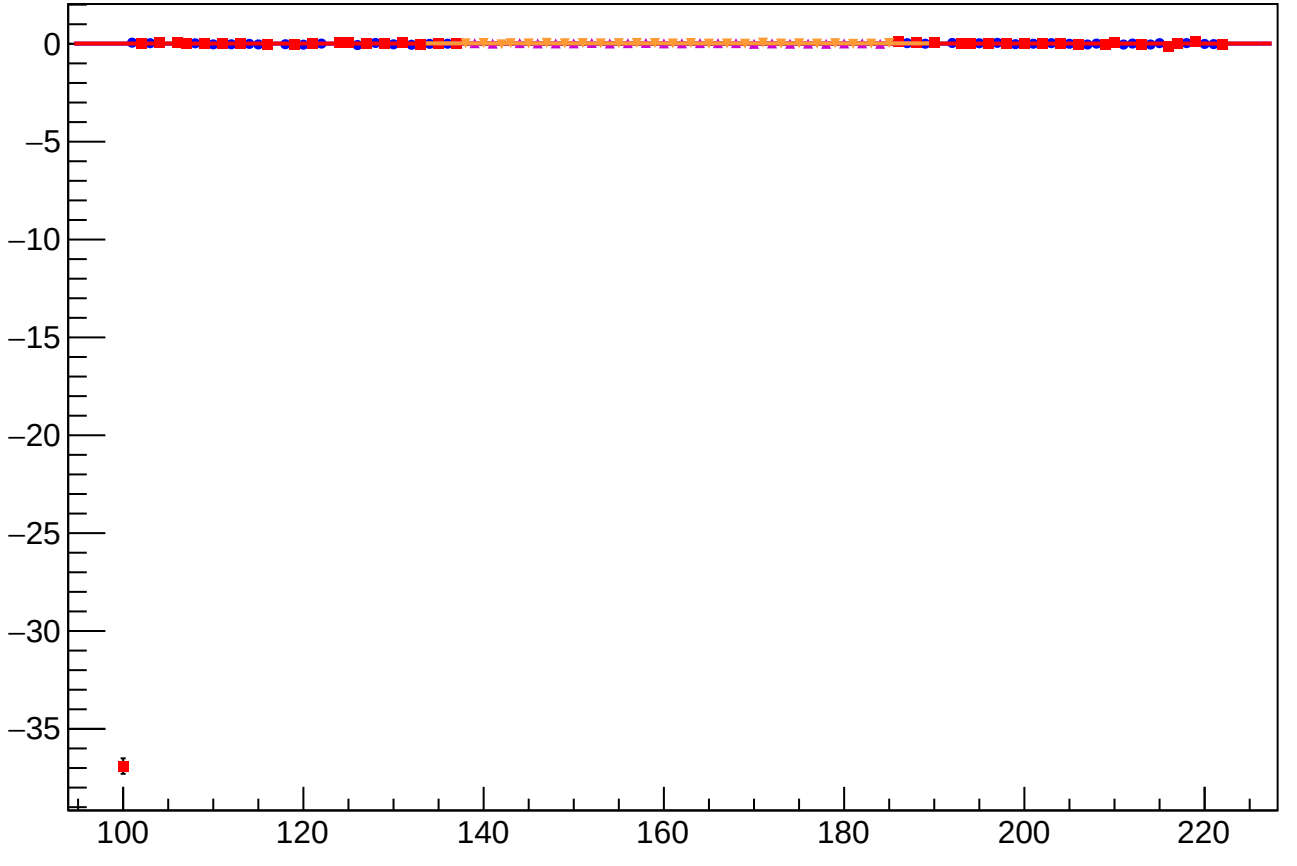
Right: -0.234+/-0.068 χ^2/NDF: 193.5/70

In: 0.028+/-0.056 χ^2/NDF:165.5/56

Out: 0.084+/-0.054 χ^2/NDF:136.2/61

All: 0.057+/-0.039 χ^2/NDF: 302.3/118

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: 0.014+/-0.005 χ^2/NDF: 8801.2/36

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

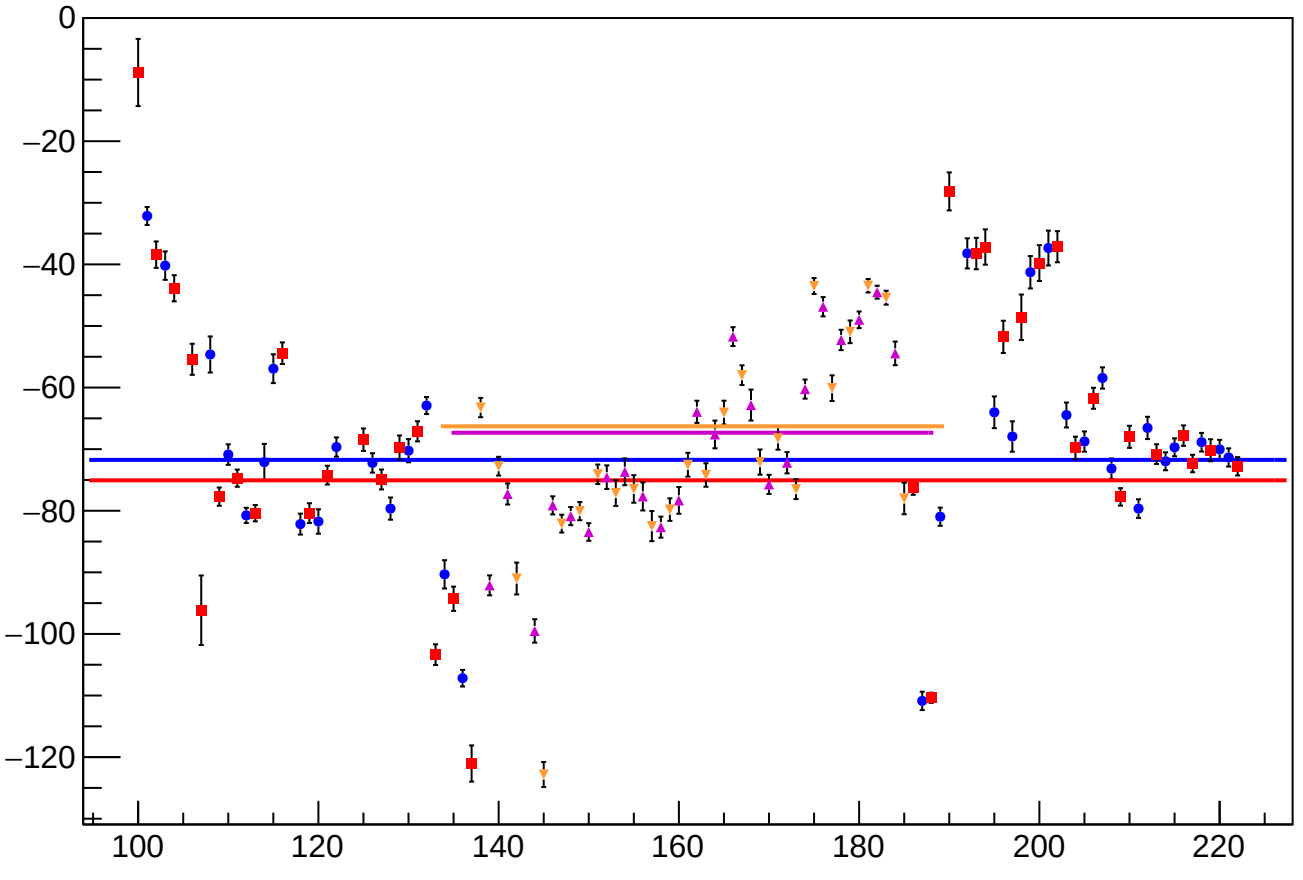
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8839.7/70

In: 0.020+/-0.003 χ^2/NDF:63.0/56

Out: 0.021+/-0.003 χ^2/NDF:8834.9/61

All: 0.020+/-0.002 χ^2/NDF: 8898.1/118



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: -75.059+/-0.289 χ^2/NDF: 4632.0/35

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

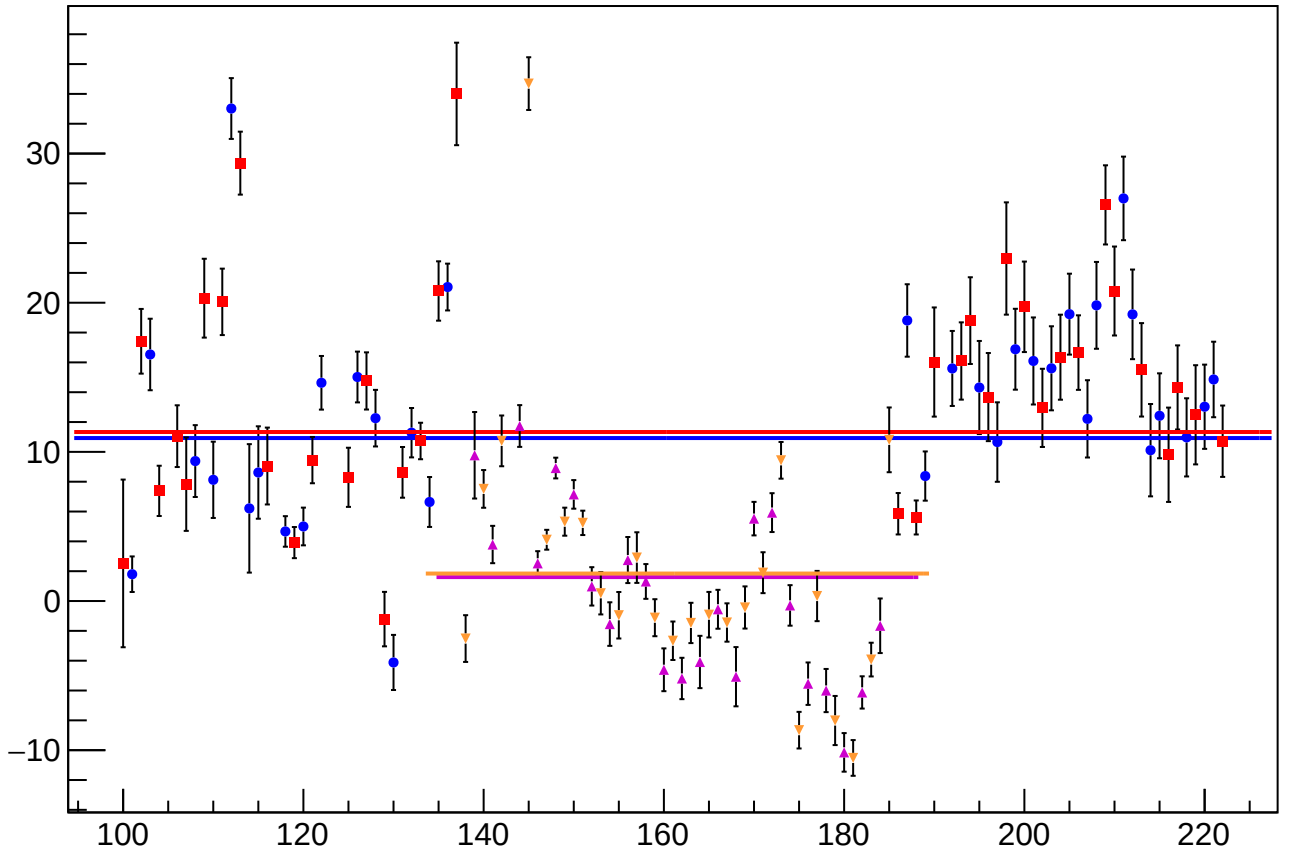
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.446+/-0.207 χ^2/NDF: 7957.7/69

In: -69.863+/-0.225 χ^2/NDF:5457.8/56

Out: -71.431+/-0.221 χ^2/NDF:7563.9/59

All: -70.661+/-0.158 χ^2/NDF: 13046.4/116



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: 11.332+/-0.346 χ^2/NDF: 415.8/35

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

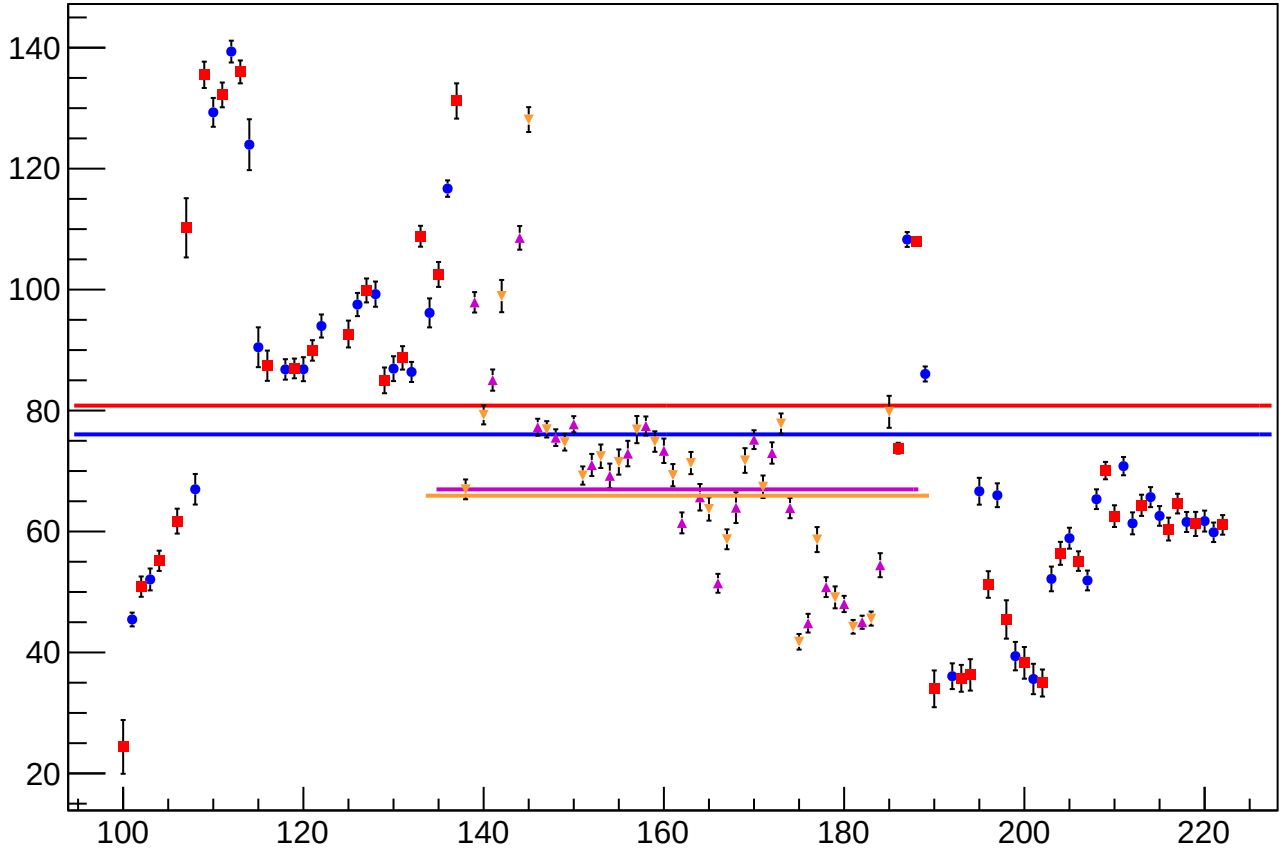
Right: 11.132+/-0.246 χ^2/NDF: 876.8/69

In: 4.889+/-0.208 χ^2/NDF:1415.5/56

Out: 5.175+/-0.205 χ^2/NDF:1685.8/59

All: 5.034+/-0.146 χ^2/NDF: 3102.2/116

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.057+/-0.305 χ^2/NDF: 6802.3/33

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 80.817+/-0.289 χ^2/NDF: 8589.3/35

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

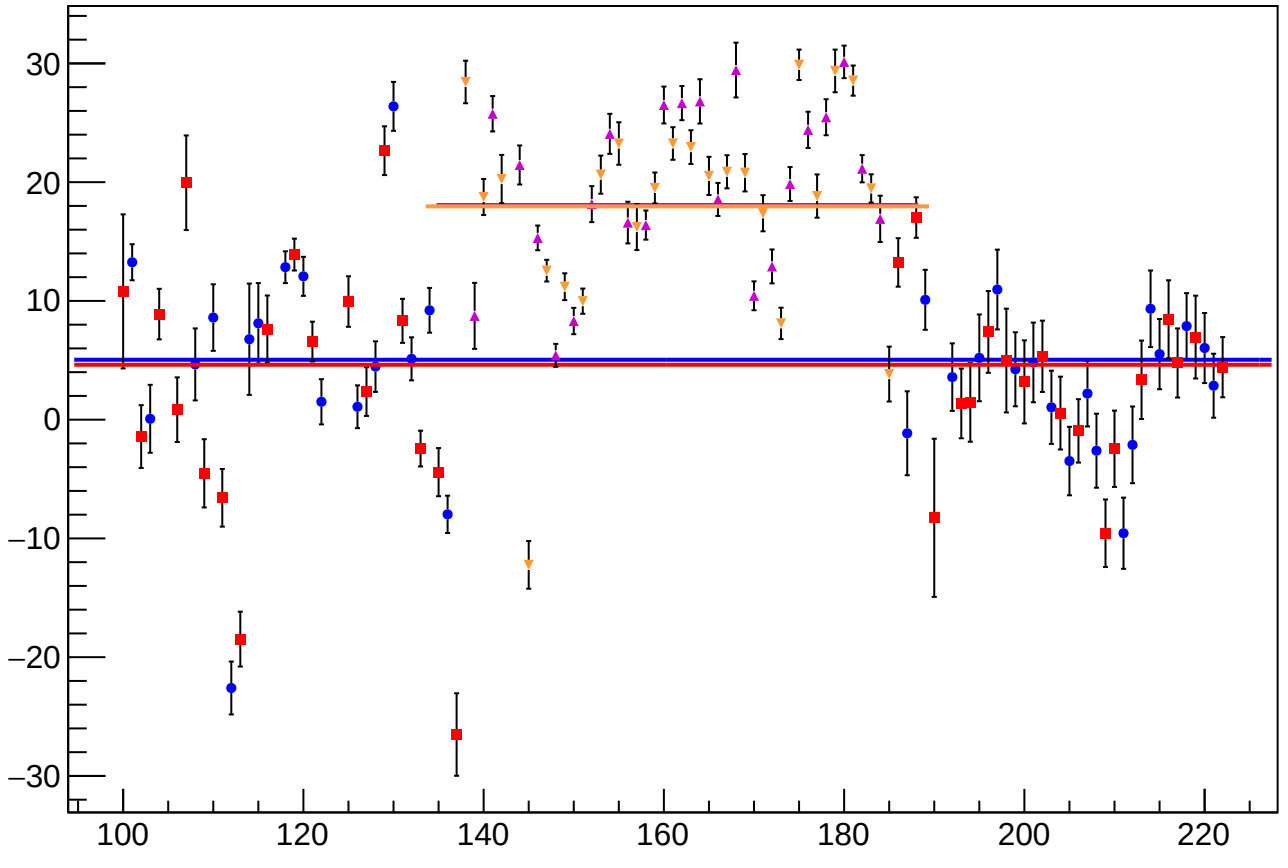
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 78.563+/-0.210 χ^2/NDF: 15520.0/69

In: 72.022+/-0.227 χ^2/NDF:9418.6/56

Out: 74.581+/-0.220 χ^2/NDF:12257.0/59

All: 73.341+/-0.158 χ^2/NDF: 21740.9/116



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: 4.625+/-0.408 χ^2/NDF: 534.3/35

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

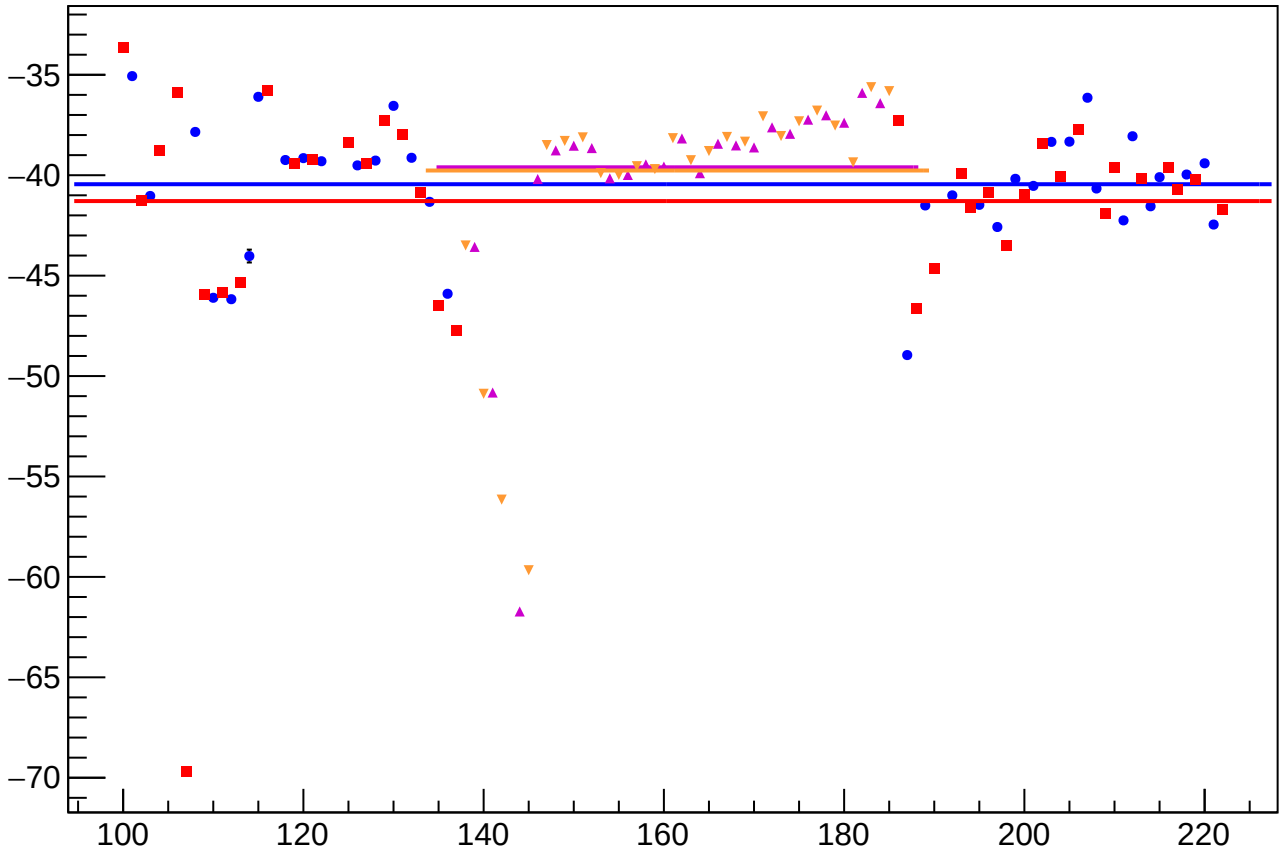
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.837+/-0.288 χ^2/NDF: 1025.3/69

In: 13.582+/-0.239 χ^2/NDF:1769.8/56

Out: 13.450+/-0.237 χ^2/NDF:1972.7/59

All: 13.515+/-0.168 χ^2/NDF: 3742.7/116



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: -41.287+/-0.020 χ^2/NDF: 44957.3/35

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

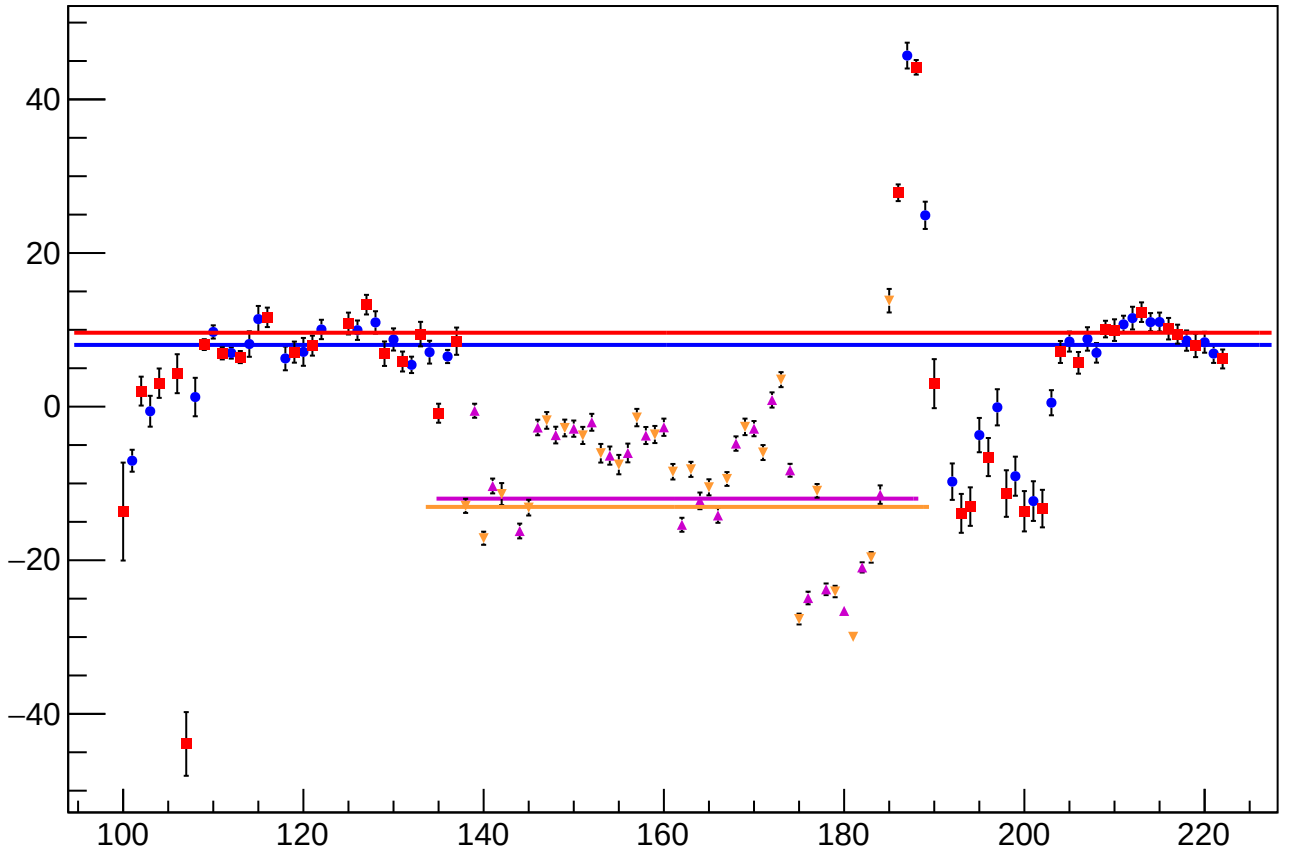
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.864+/-0.014 χ^2/NDF: 69342.5/69

In: -39.862+/-0.011 χ^2/NDF:131376.6/56

Out: -40.226+/-0.011 χ^2/NDF:178720.0/59

All: -40.042+/-0.008 χ^2/NDF: 310625.9/116



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: 9.621+/-0.227 χ^2/NDF: 2400.8/35

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

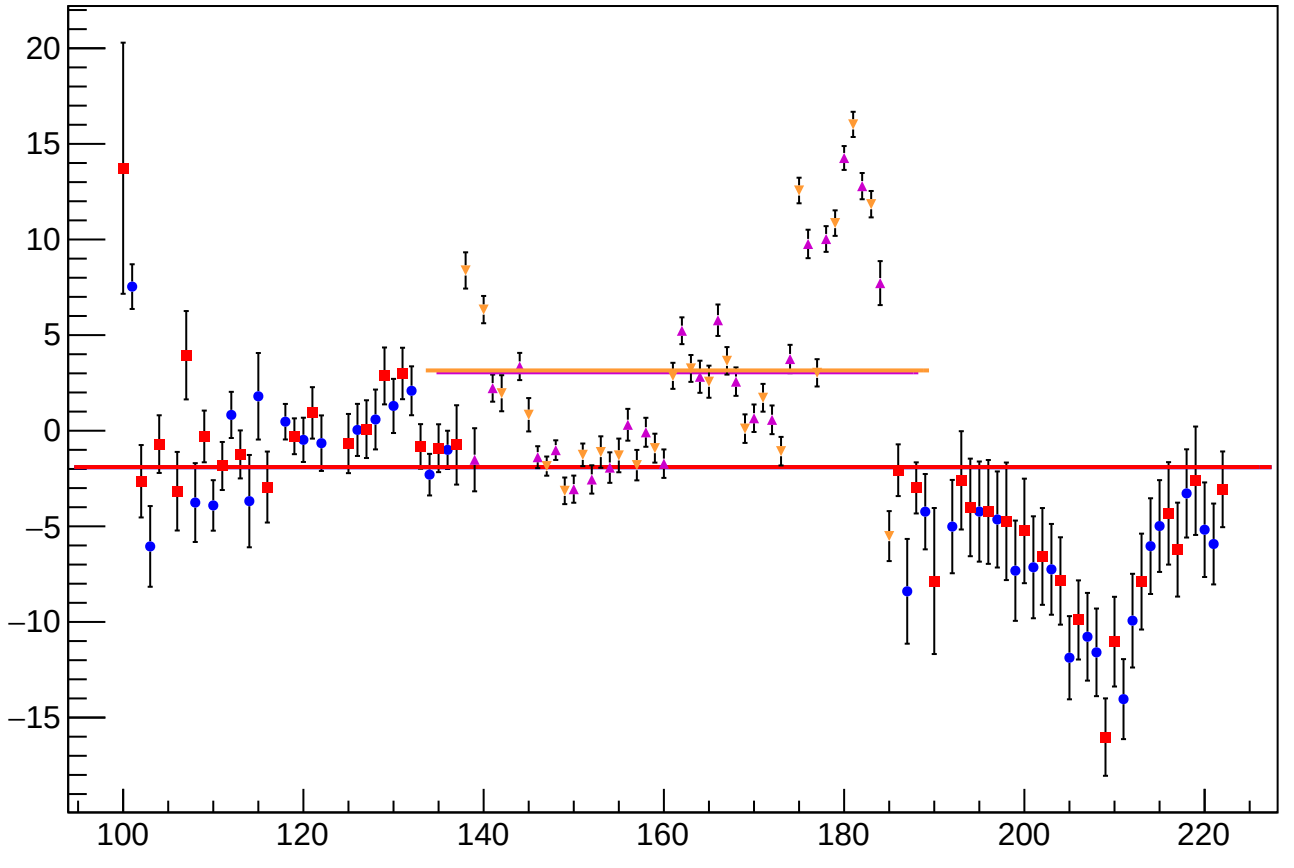
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.850+/-0.163 χ^2/NDF: 3433.8/69

In: -3.711+/-0.150 χ^2/NDF:7515.6/56

Out: -3.548+/-0.147 χ^2/NDF:11069.4/59

All: -3.628+/-0.105 χ^2/NDF: 18585.6/116



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: -1.900+/-0.287 χ^2/NDF: 156.2/35

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

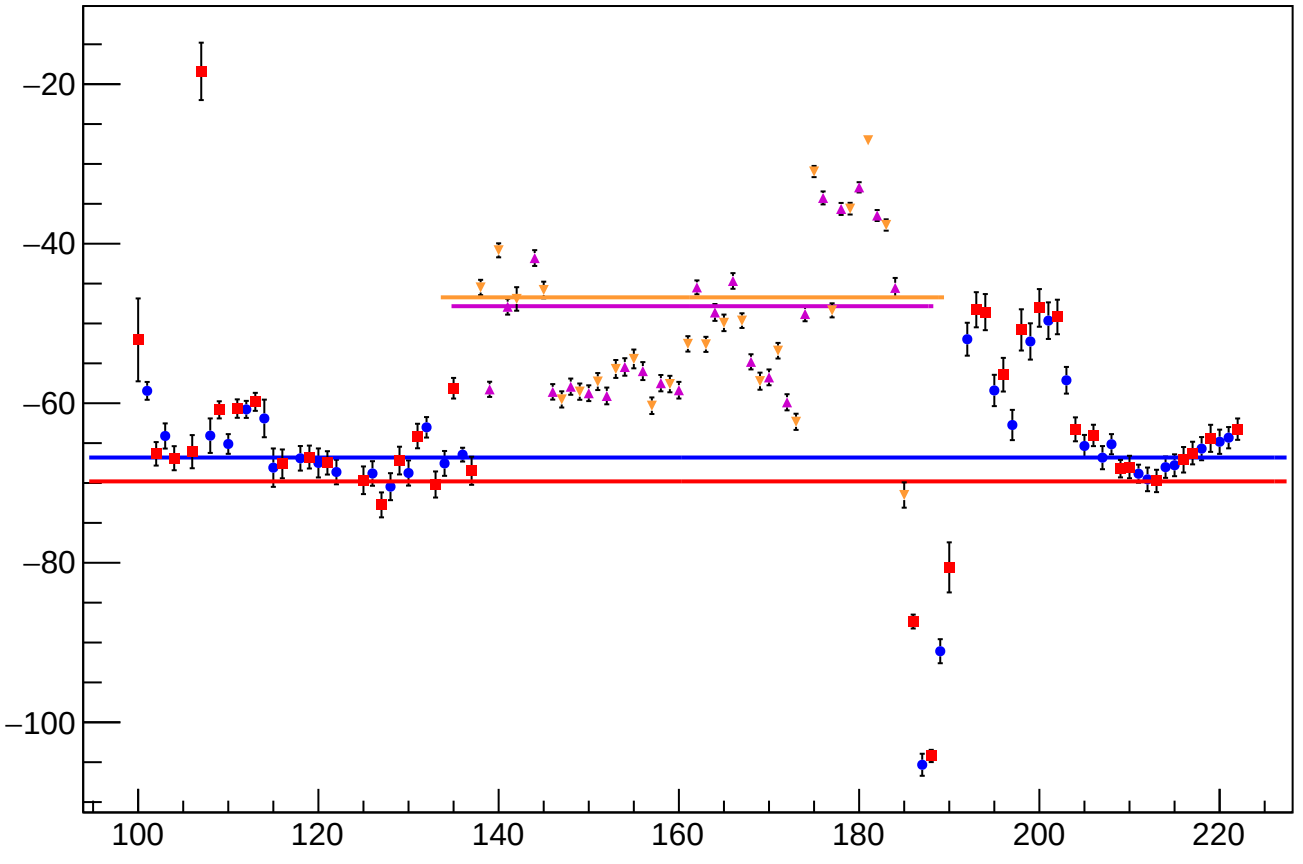
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.906+/-0.202 χ^2/NDF: 398.0/69

In: 1.954+/-0.134 χ^2/NDF:1623.5/56

Out: 2.079+/-0.132 χ^2/NDF:1785.3/59

All: 2.017+/-0.094 χ^2/NDF: 3409.2/116



Right In: -66.805+/-0.251 χ^2/NDF: 1376.0/33

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -69.798+/-0.245 χ^2/NDF: 3522.9/35

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

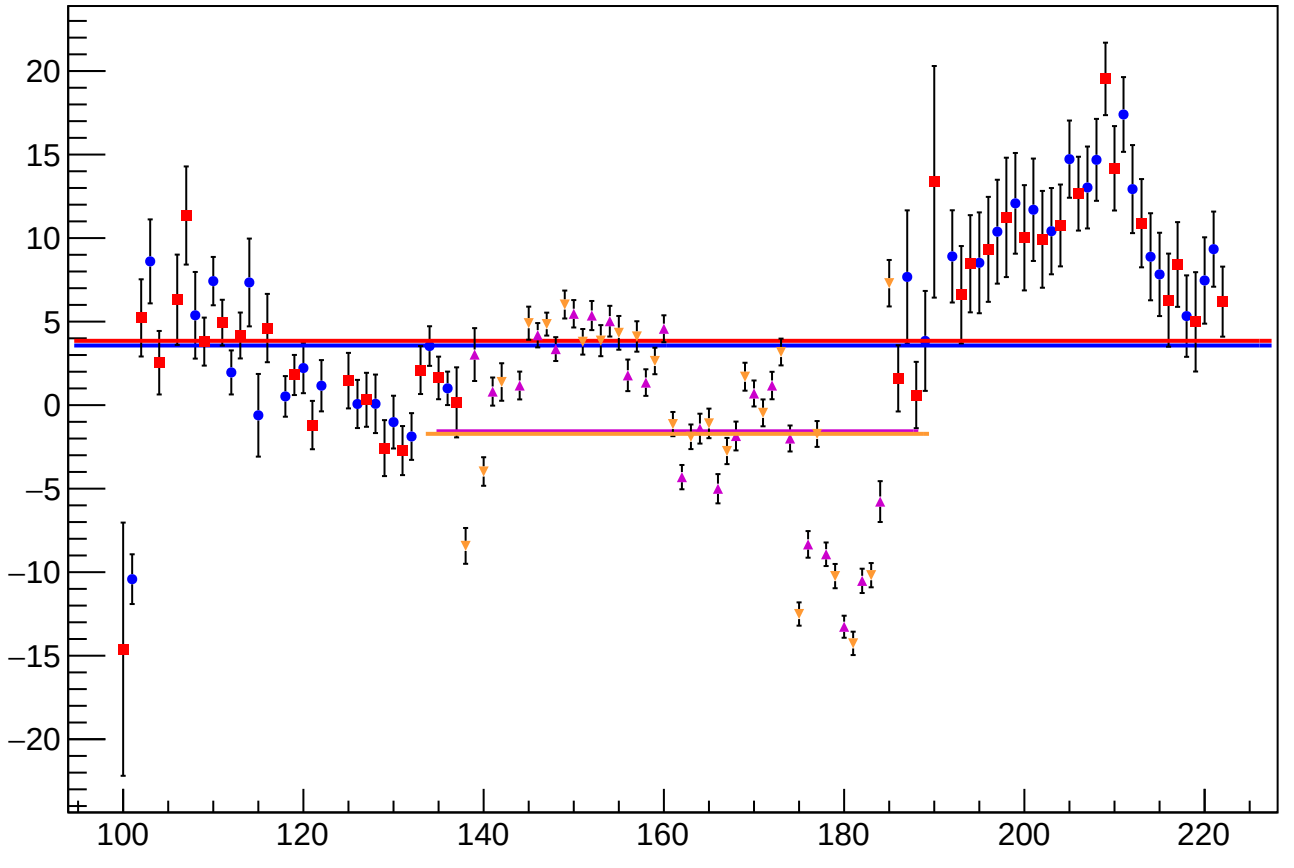
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.337+/-0.175 χ^2/NDF: 4971.6/69

In: -54.922+/-0.153 χ^2/NDF:7511.5/56

Out: -55.467+/-0.151 χ^2/NDF:12467.3/59

All: -55.199+/-0.108 χ^2/NDF: 19985.2/116



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: 3.850+/-0.329 χ^2/NDF: 209.3/35

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

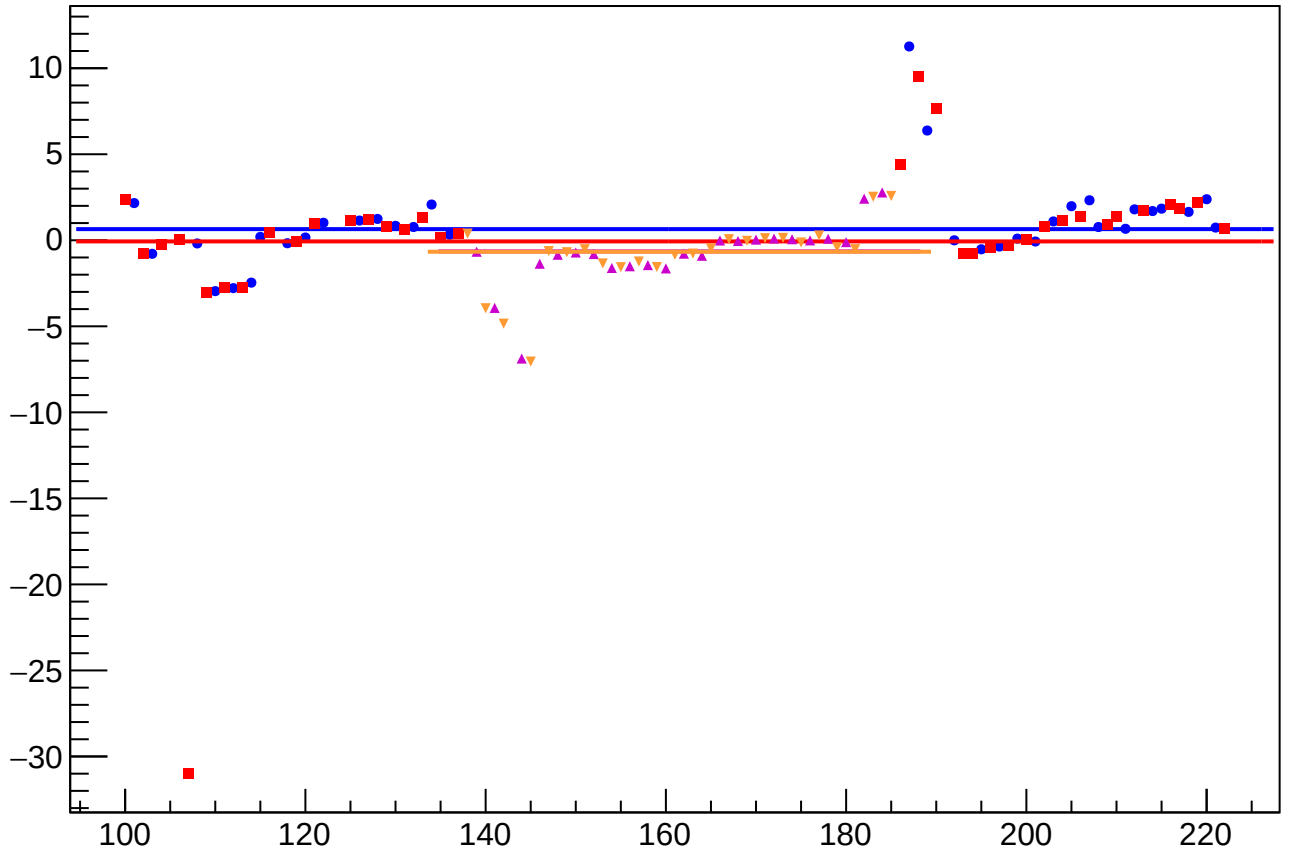
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.707+/-0.230 χ^2/NDF: 525.7/69

In: -0.439+/-0.151 χ^2/NDF:1632.7/56

Out: -0.567+/-0.149 χ^2/NDF:1843.0/59

All: -0.503+/-0.106 χ^2/NDF: 3476.1/116



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: -0.066+/-0.017 χ^2/NDF: 61822.9/35

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

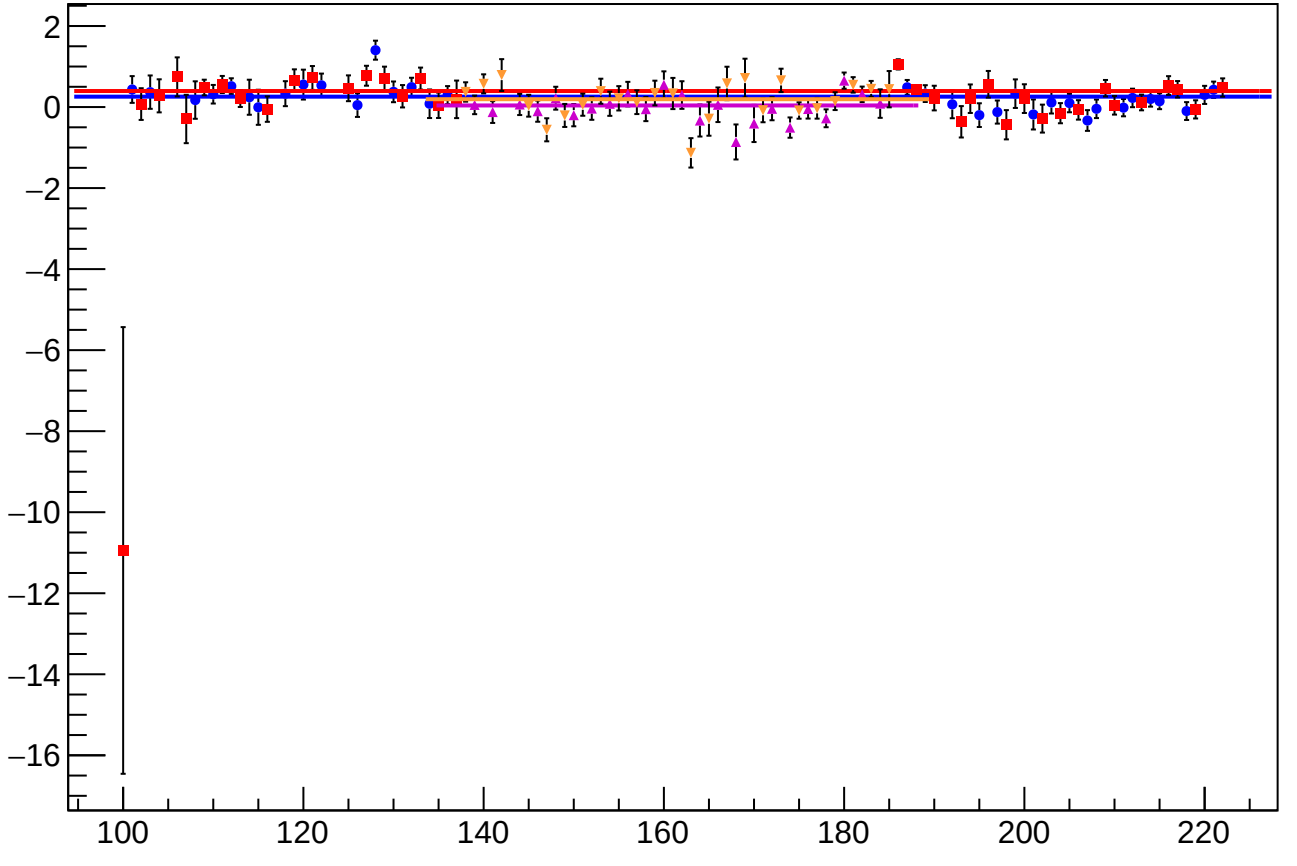
Right: 0.301+/-0.012 χ^2/NDF: 73472.4/69

In: -0.418+/-0.007 χ^2/NDF:61474.9/56

Out: -0.566+/-0.007 χ^2/NDF:118162.6/59

All: -0.492+/-0.005 χ^2/NDF: 179870.4/116

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.395+/-0.041 χ^2/NDF: 78.2/35

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

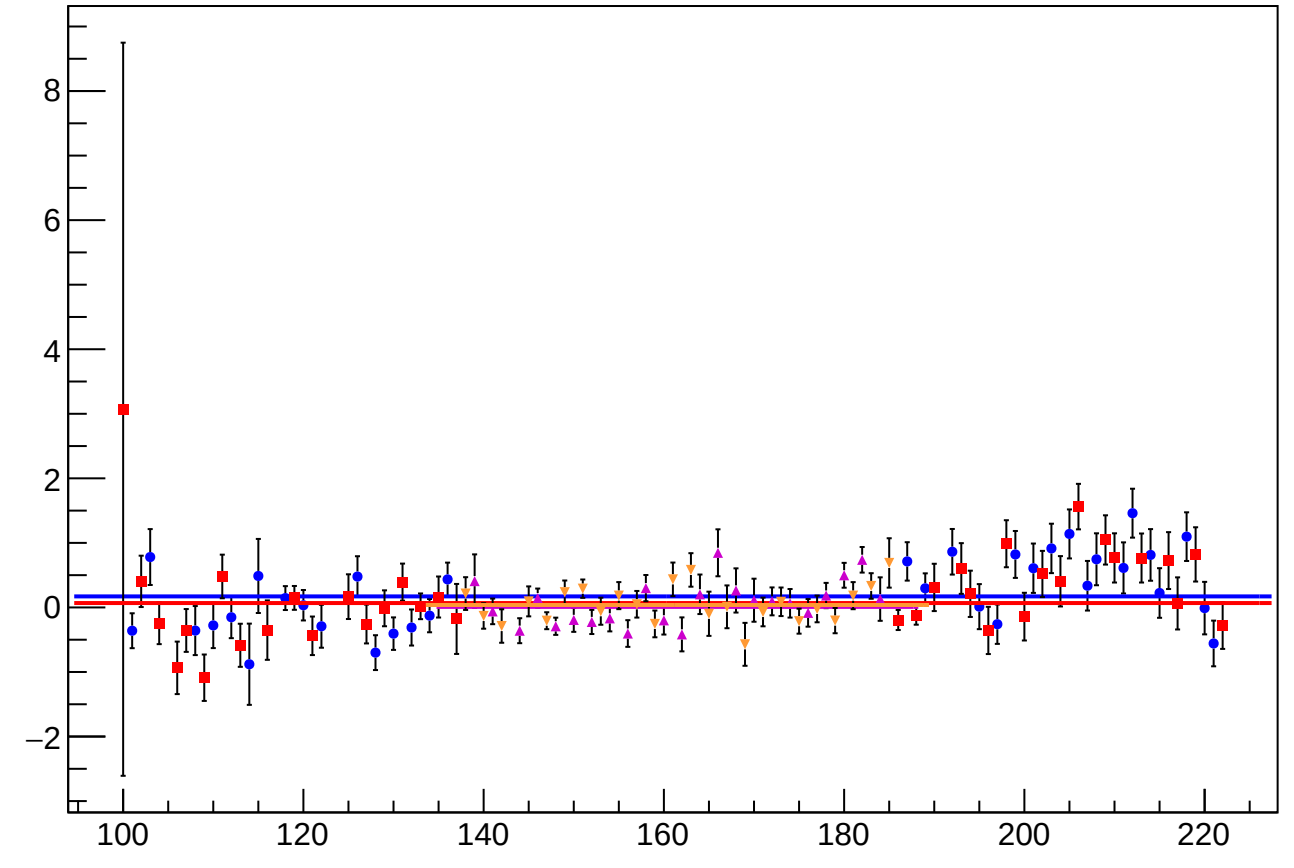
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.331+/-0.030 χ^2/NDF: 134.7/69

In: 0.177+/-0.035 χ^2/NDF:90.6/56

Out: 0.327+/-0.033 χ^2/NDF:130.7/59

All: 0.256+/-0.024 χ^2/NDF: 231.1/116



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: 0.068+/-0.051 χ^2/NDF: 87.1/35

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

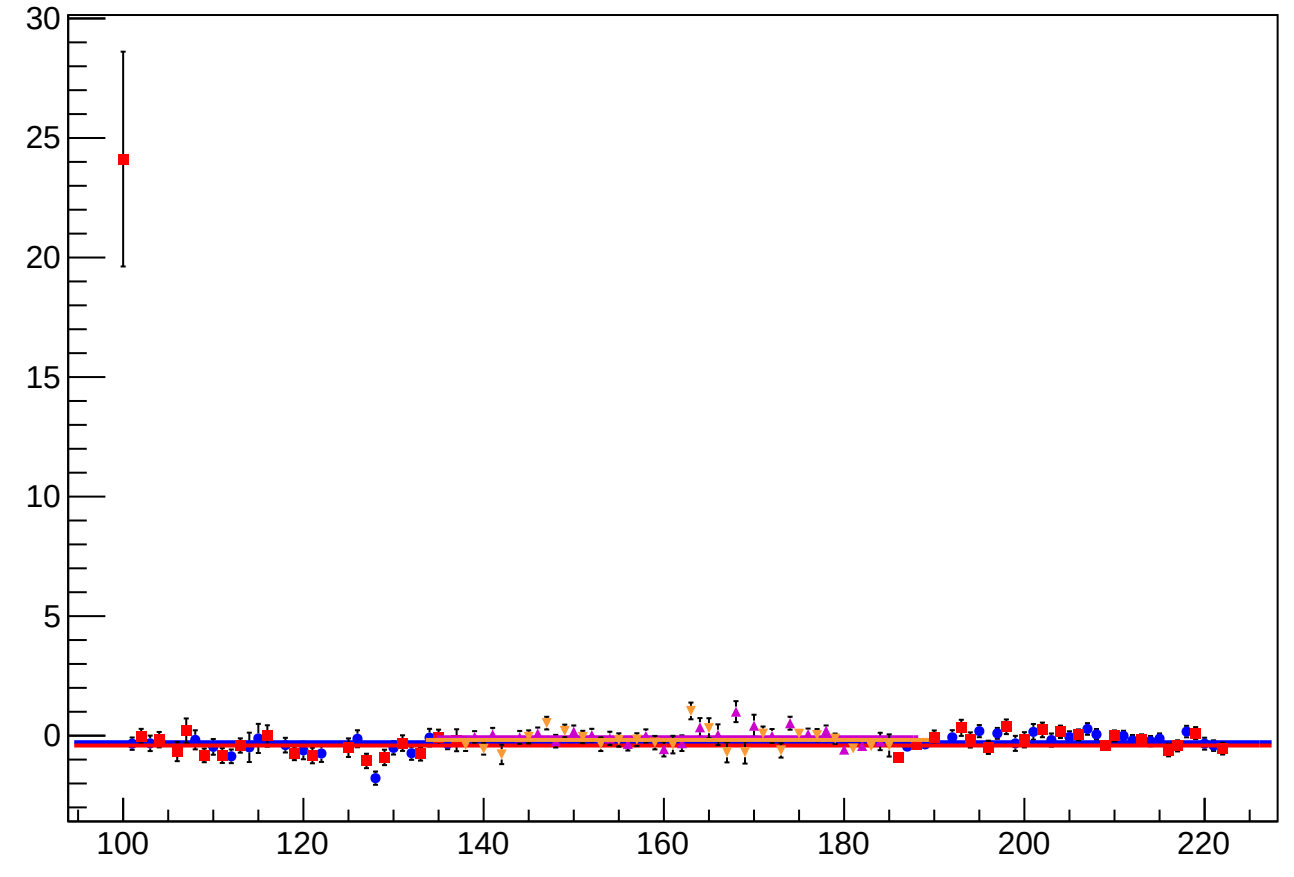
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.116+/-0.037 χ^2/NDF: 179.3/69

In: 0.073+/-0.034 χ^2/NDF:147.0/56

Out: 0.051+/-0.033 χ^2/NDF:120.1/59

All: 0.061+/-0.024 χ^2/NDF: 267.3/116



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: -0.412+/-0.040 χ^2/NDF: 110.9/35

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

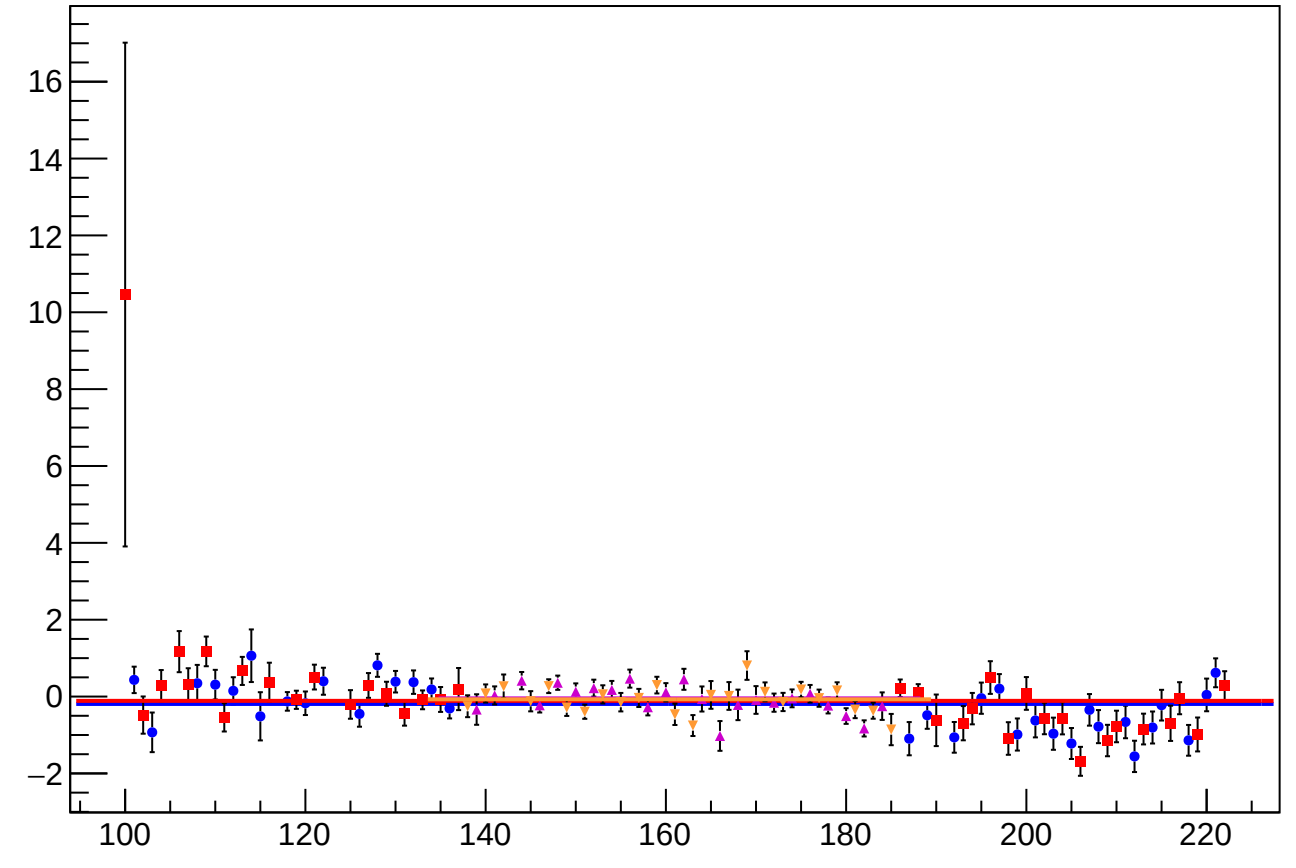
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.351+/-0.030 χ^2/NDF: 181.5/69

In: -0.195+/-0.035 χ^2/NDF:105.0/56

Out: -0.334+/-0.032 χ^2/NDF:164.6/59

All: -0.270+/-0.024 χ^2/NDF: 278.1/116



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: -0.112+/-0.061 χ^2/NDF: 87.8/35

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

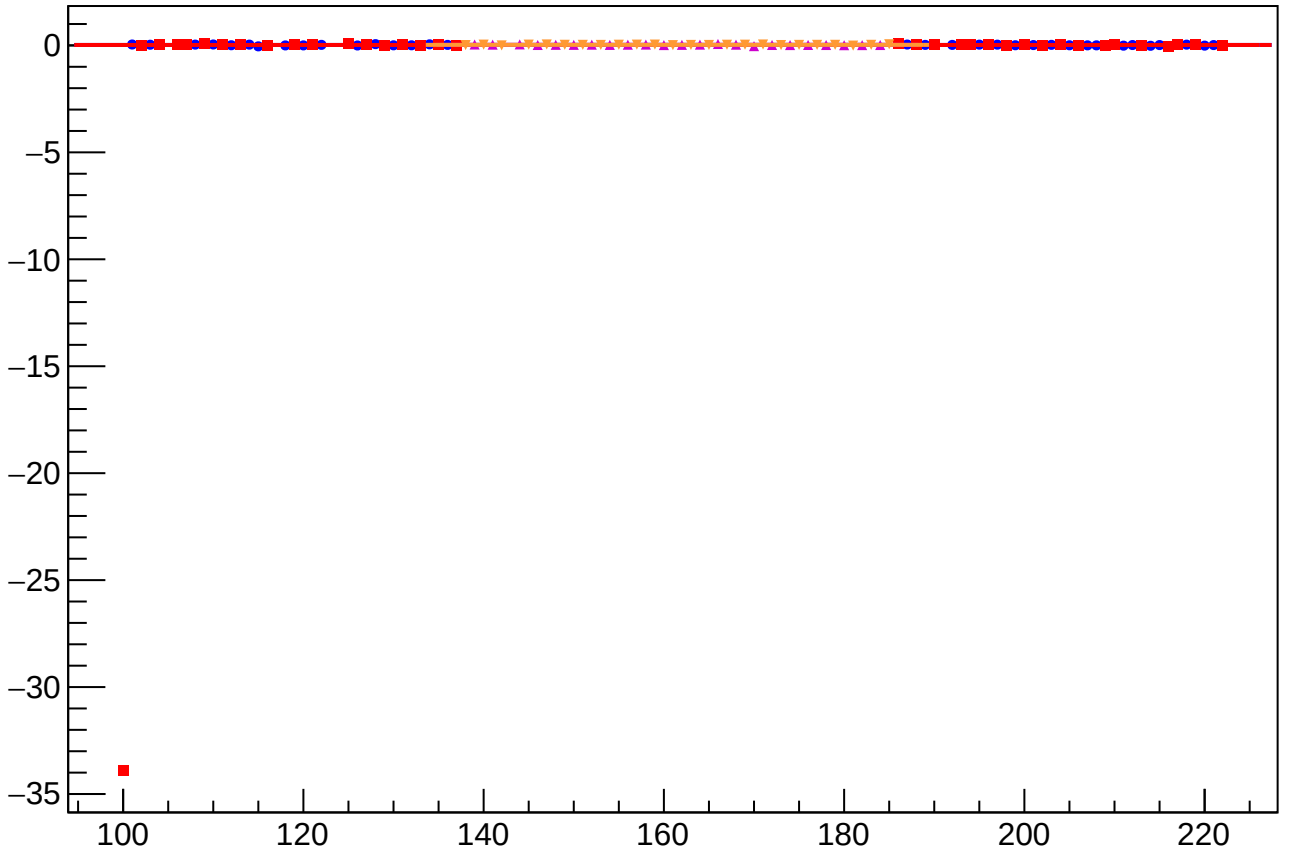
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.151+/-0.044 χ^2/NDF: 178.7/69

In: -0.103+/-0.039 χ^2/NDF:143.7/56

Out: -0.087+/-0.038 χ^2/NDF:125.8/59

All: -0.095+/-0.027 χ^2/NDF: 269.6/116



Right In: 0.021+/-0.003 χ^2/NDF: 32.0/33

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.020+/-0.003 χ^2/NDF: 22330.5/35

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

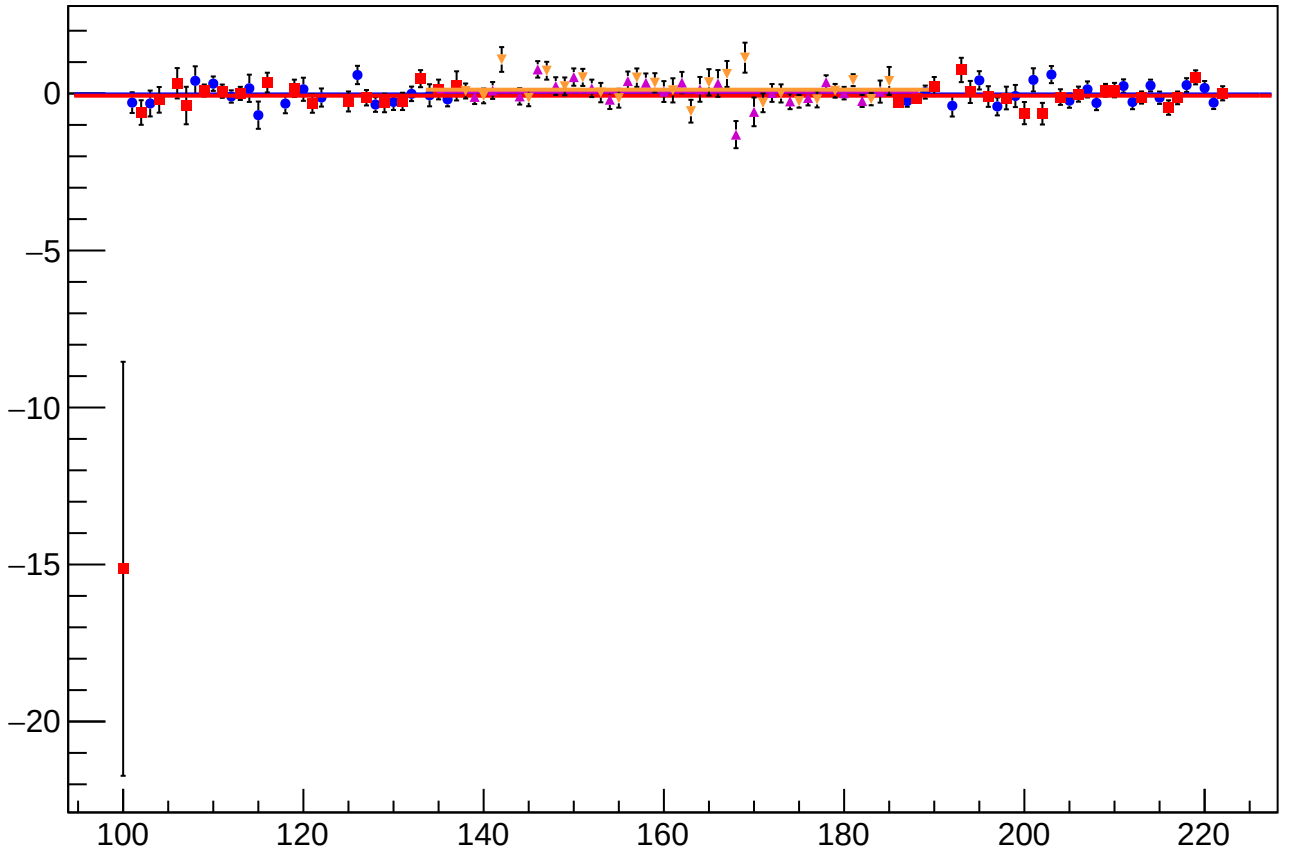
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22362.5/69

In: 0.024+/-0.002 χ^2/NDF:73.4/56

Out: 0.024+/-0.002 χ^2/NDF:22364.5/59

All: 0.024+/-0.001 χ^2/NDF: 22437.9/116



Right In: -0.029+/-0.044 χ^2/NDF: 41.7/33

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.069+/-0.041 χ^2/NDF: 44.9/35

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

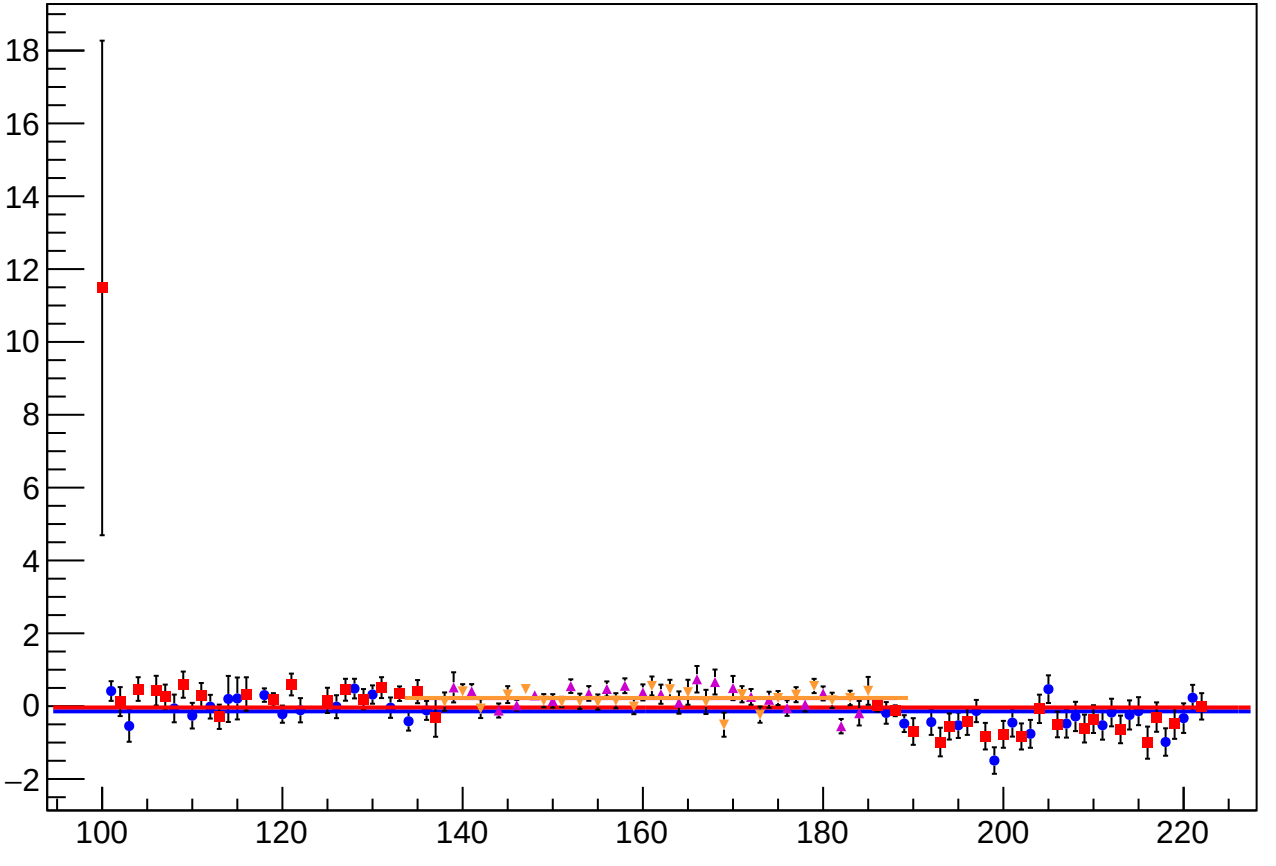
Right: -0.051+/-0.030 χ^2/NDF: 87.1/69

In: 0.004+/-0.035 χ^2/NDF:77.6/56

Out: -0.005+/-0.033 χ^2/NDF:92.1/59

All: -0.000+/-0.024 χ^2/NDF: 169.7/116

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.143+/-0.055 χ^2/NDF: 54.1/33

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.036+/-0.051 χ^2/NDF: 71.4/35

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

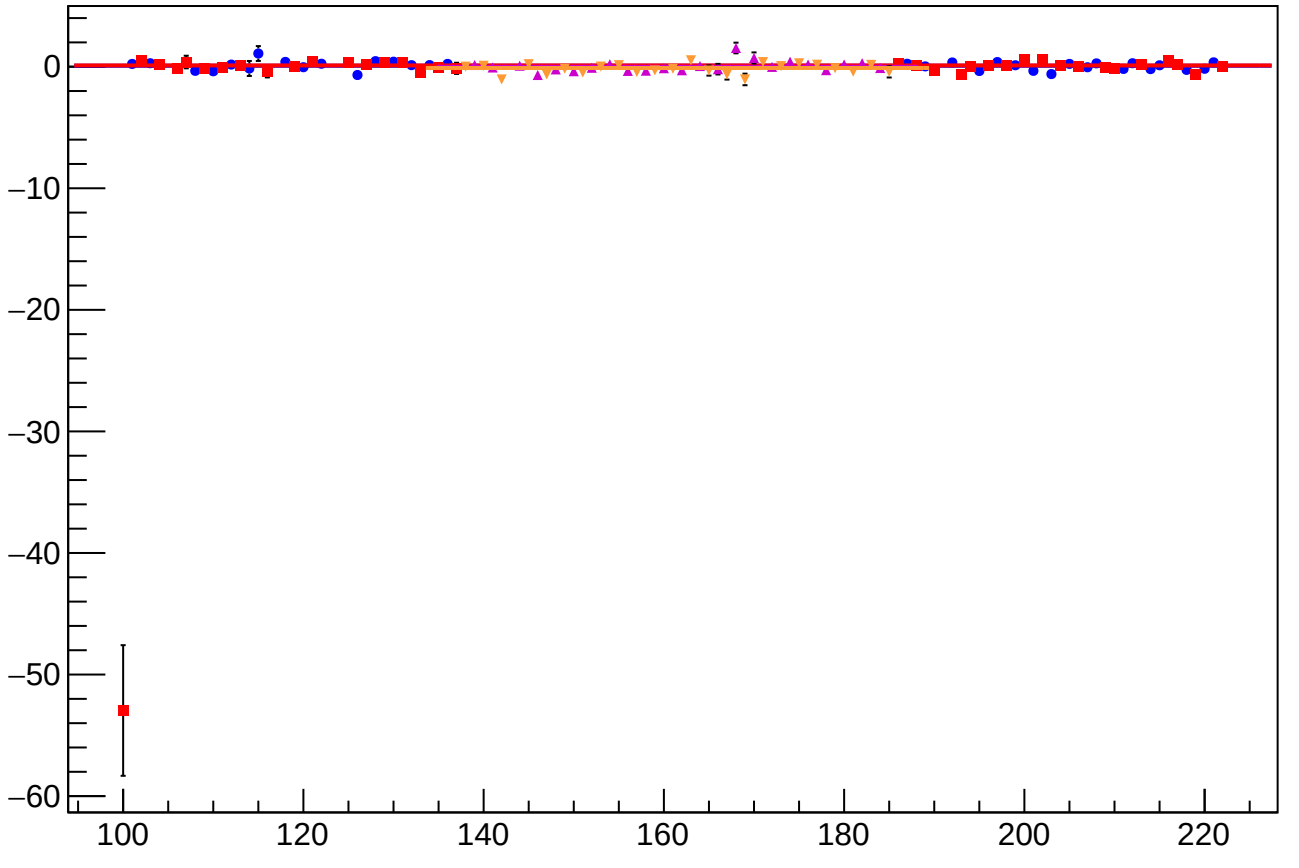
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.086+/-0.037 χ^2/NDF: 127.5/69

In: 0.078+/-0.034 χ^2/NDF:120.1/56

Out: 0.116+/-0.033 χ^2/NDF:110.7/59

All: 0.098+/-0.024 χ^2/NDF: 231.5/116



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: 0.104+/-0.040 χ^2/NDF: 135.7/35

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

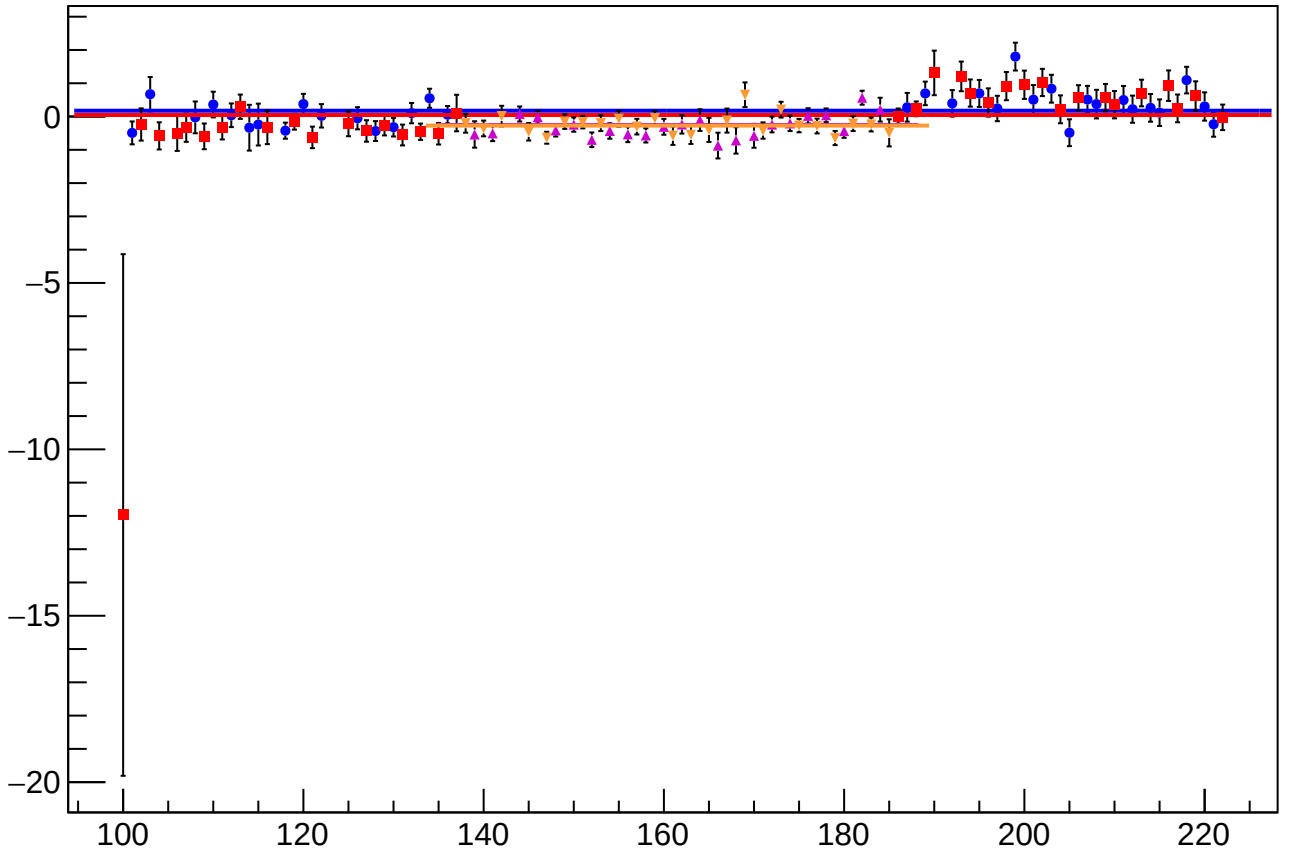
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.093+/-0.030 χ^2/NDF: 176.9/69

In: 0.046+/-0.035 χ^2/NDF:80.5/56

Out: 0.034+/-0.032 χ^2/NDF:182.5/59

All: 0.039+/-0.024 χ^2/NDF: 263.1/116



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: 0.046+/-0.061 χ^2/NDF: 72.8/35

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

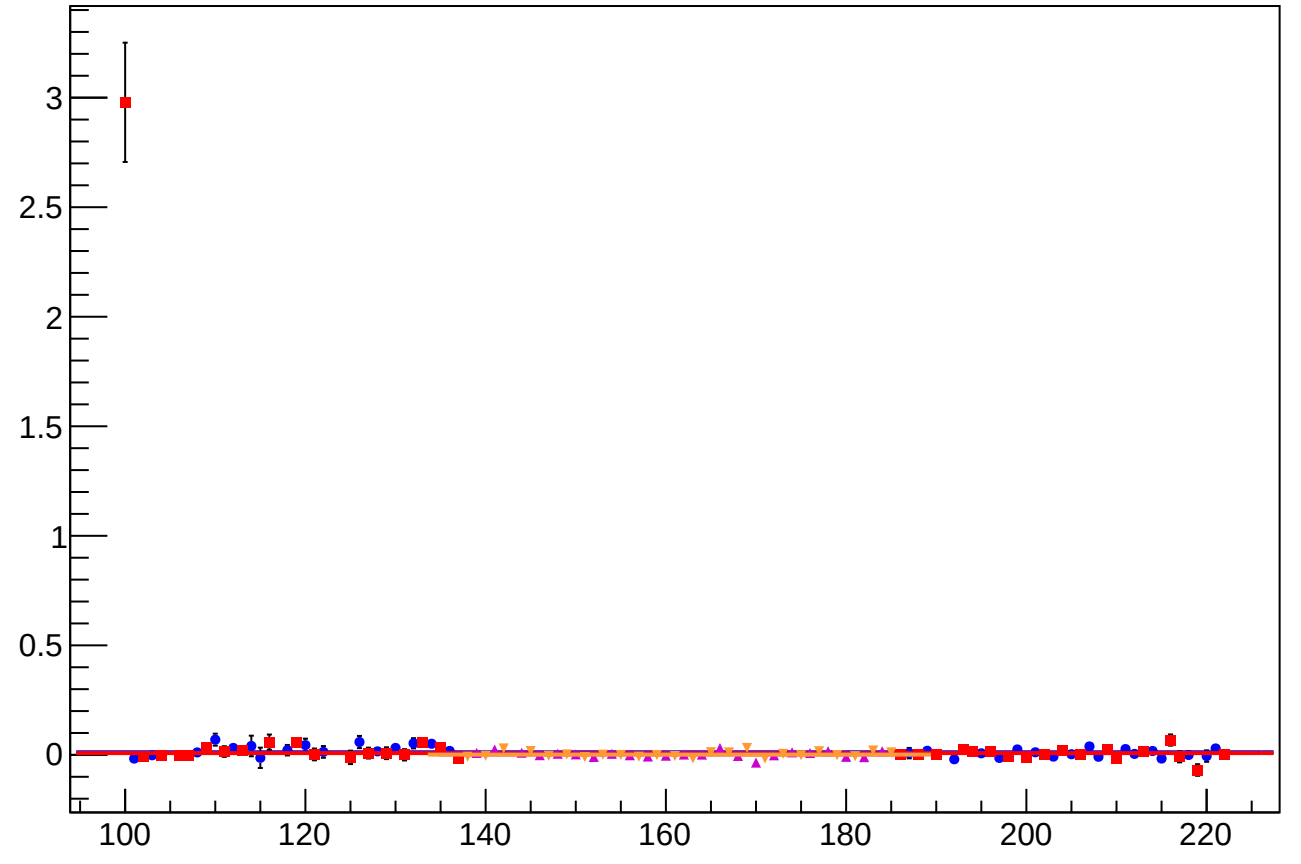
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.108+/-0.044 χ^2/NDF: 130.8/69

In: -0.088+/-0.039 χ^2/NDF:124.8/56

Out: -0.147+/-0.038 χ^2/NDF:114.0/59

All: -0.118+/-0.027 χ^2/NDF: 239.9/116



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: 166.9/35

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

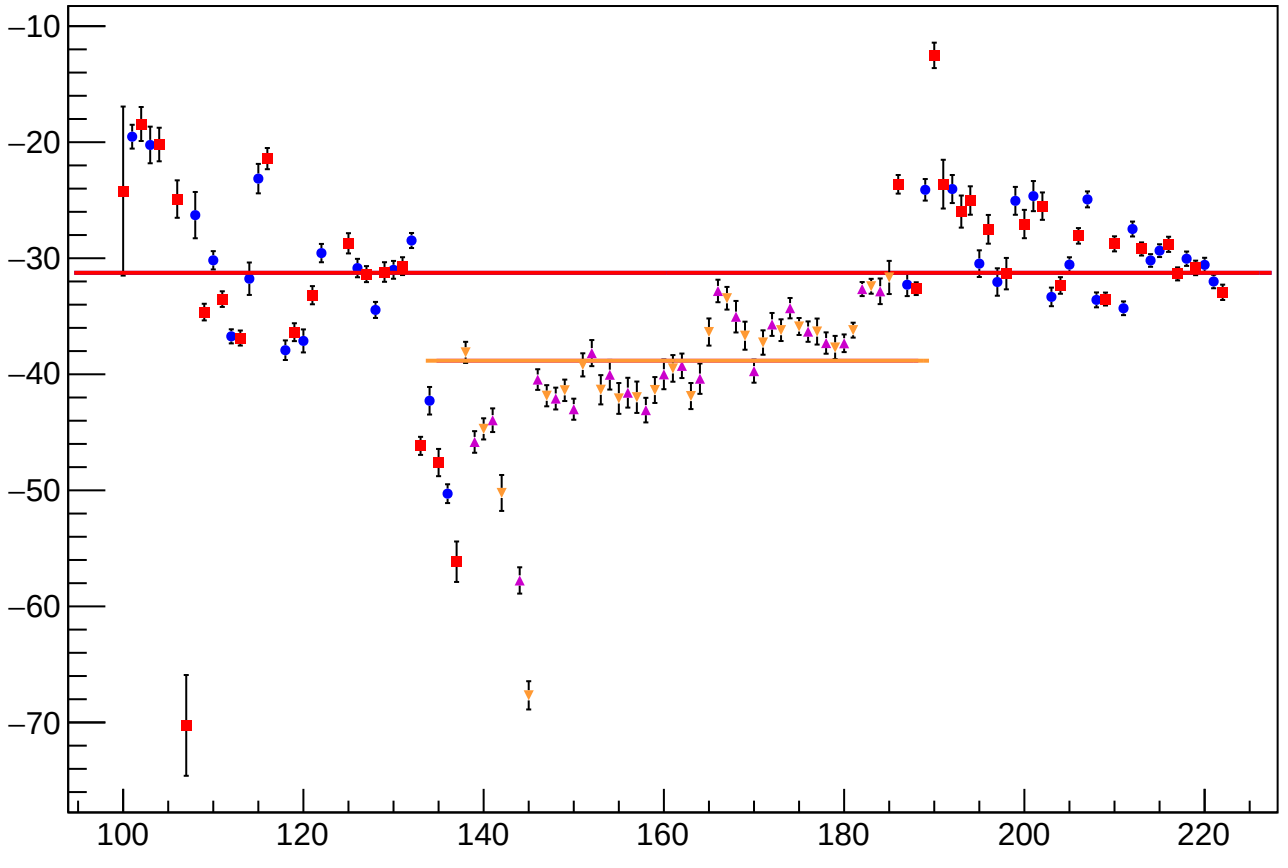
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 216.0/69

In: 0.006+/-0.002 χ^2/NDF:79.7/56

Out: 0.004+/-0.002 χ^2/NDF:197.1/59

All: 0.005+/-0.001 χ^2/NDF: 277.5/116



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: -31.254+/-0.135 χ^2/NDF: 1859.4/36

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

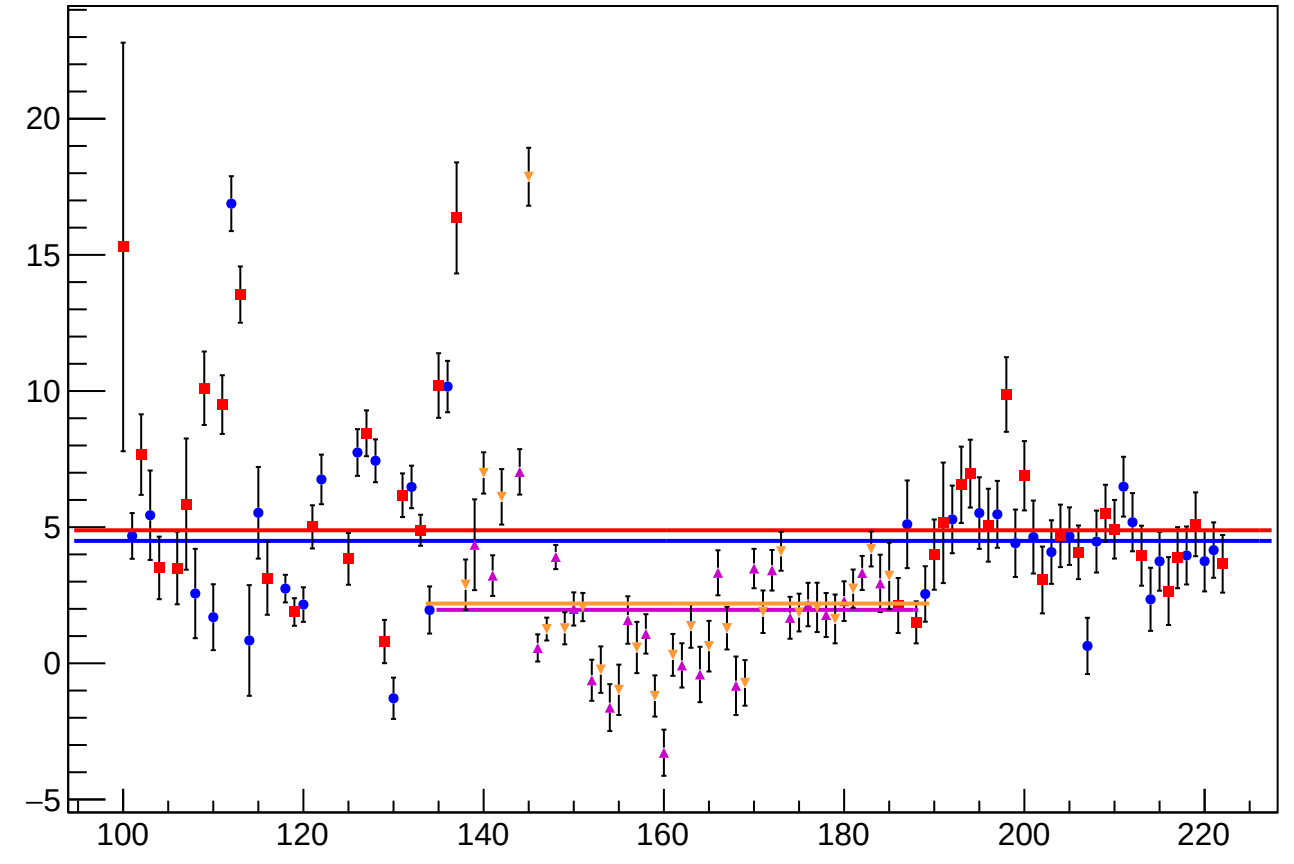
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.256+/-0.095 χ^2/NDF: 3287.6/70

In: -33.559+/-0.112 χ^2/NDF:3048.6/56

Out: -33.600+/-0.112 χ^2/NDF:3746.7/60

All: -33.580+/-0.079 χ^2/NDF: 6795.3/117



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: 4.885+/-0.170 χ^2/NDF: 304.9/36

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

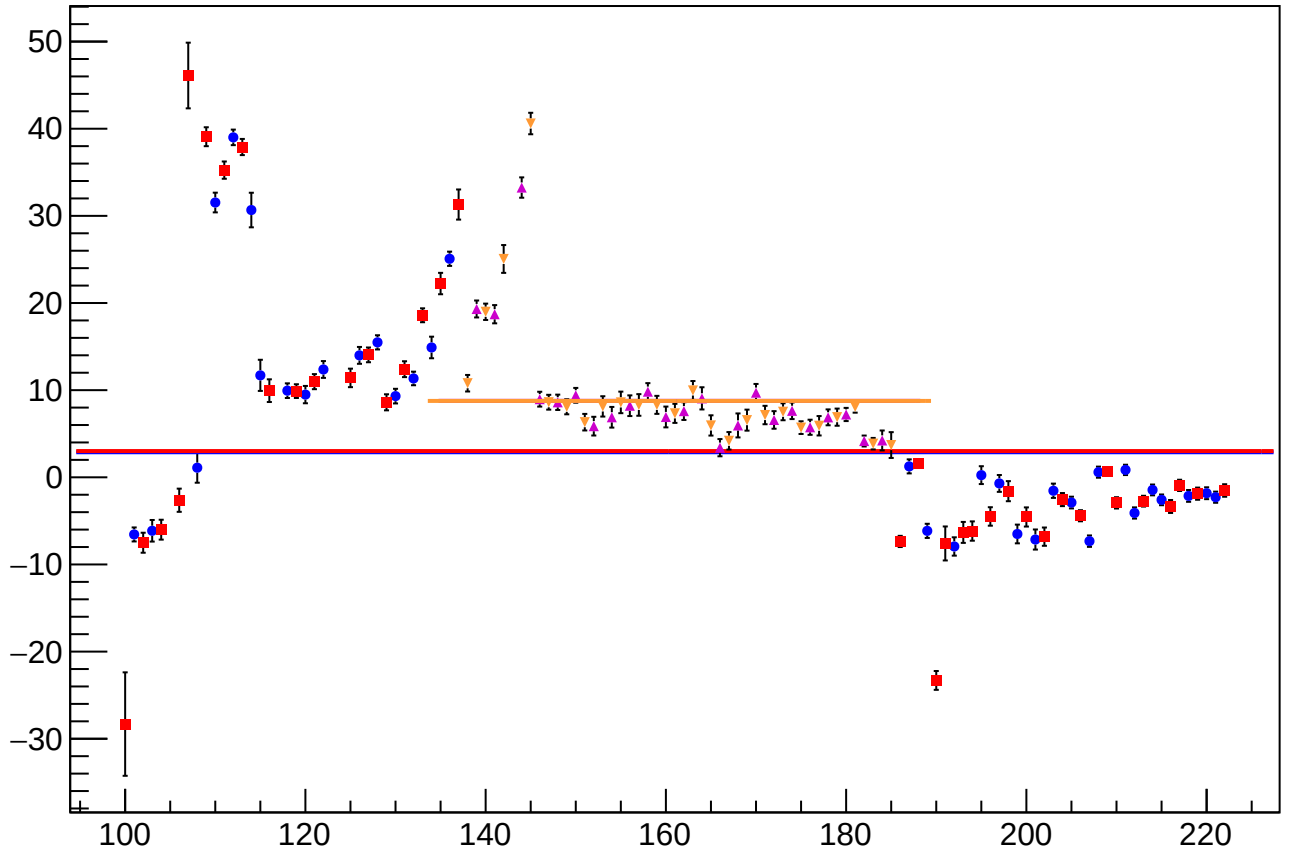
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.691+/-0.120 χ^2/NDF: 666.3/70

In: 3.111+/-0.114 χ^2/NDF:653.3/56

Out: 3.390+/-0.113 χ^2/NDF:808.7/60

All: 3.251+/-0.081 χ^2/NDF: 1465.0/117



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: 3.013+/-0.141 χ^2/NDF: 7160.1/36

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

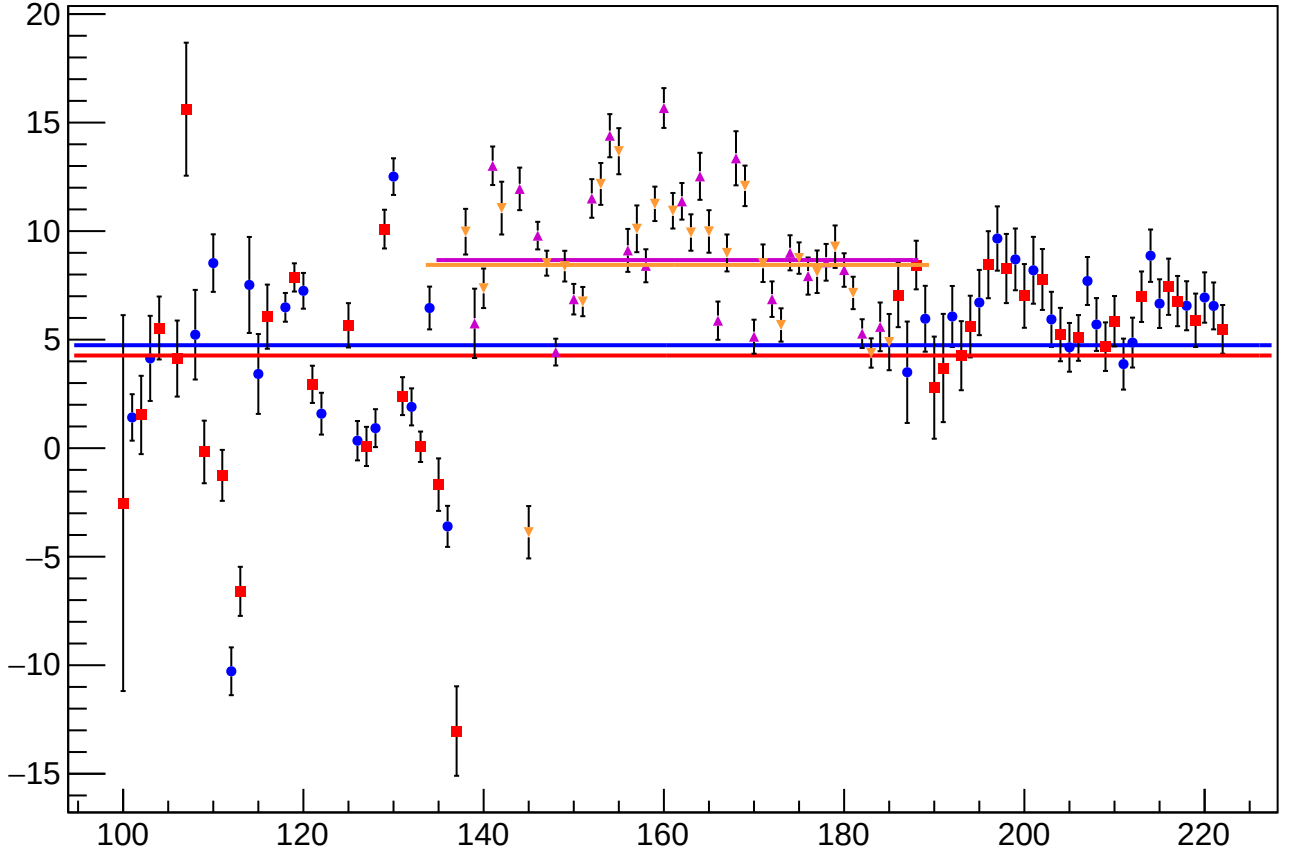
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

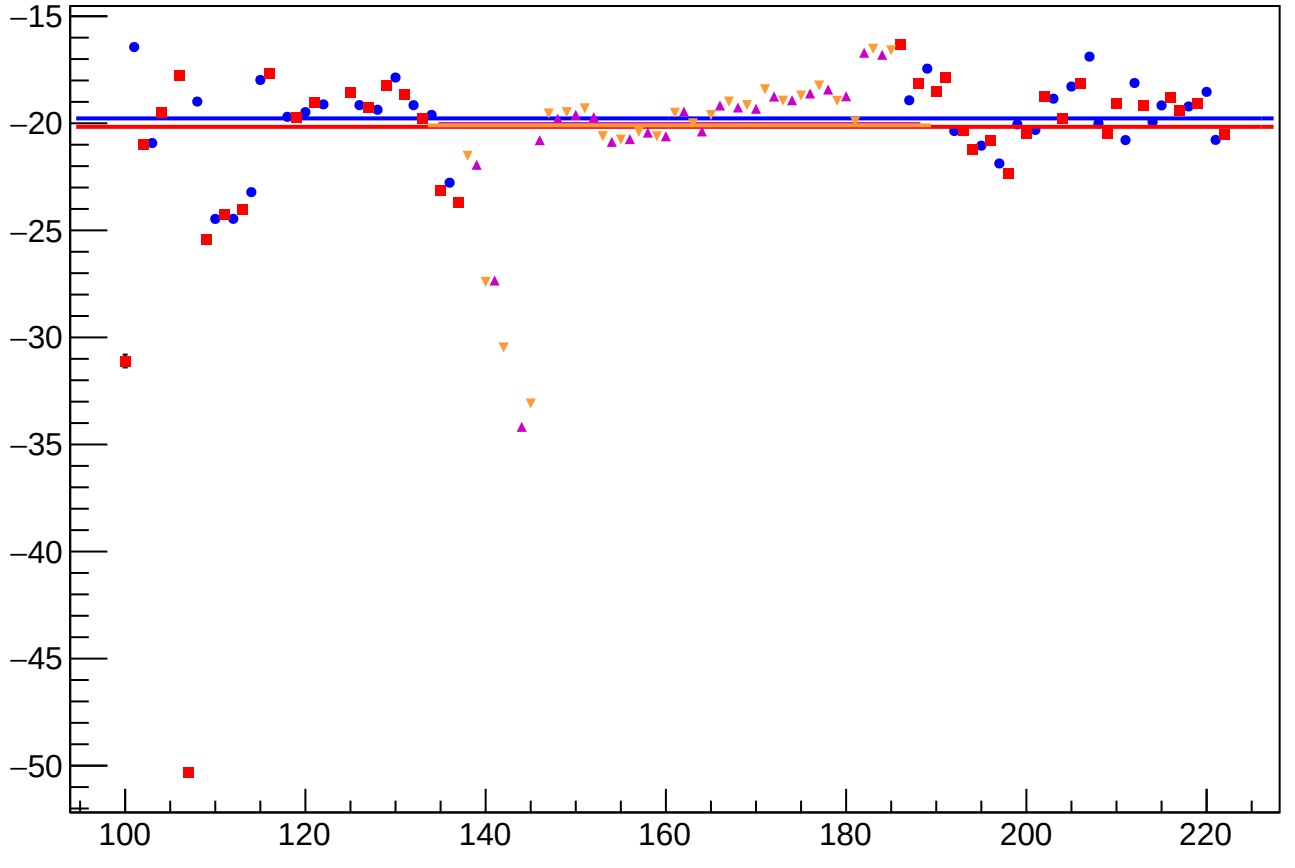
Right: 2.944+/-0.100 χ^2/NDF: 12635.0/70

In: 4.829+/-0.116 χ^2/NDF:6842.7/56

Out: 4.925+/-0.116 χ^2/NDF:8745.3/60

All: 4.877+/-0.082 χ^2/NDF: 15588.4/117


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: 4.269+/-0.196 χ²/NDF: 441.4/36
Left In: 8.666+/-0.176 χ²/NDF:304.8/22
Left: 8.553+/-0.123 χ²/NDF: 569.8/46
Right: 4.509+/-0.138 χ²/NDF: 957.0/70
In: 6.893+/-0.130 χ²/NDF:1042.8/56
Out: 6.609+/-0.130 χ²/NDF:959.8/60
All: 6.751+/-0.092 χ²/NDF: 2005.0/117



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: -20.166+/-0.010 χ^2/NDF: 73129.8/36

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

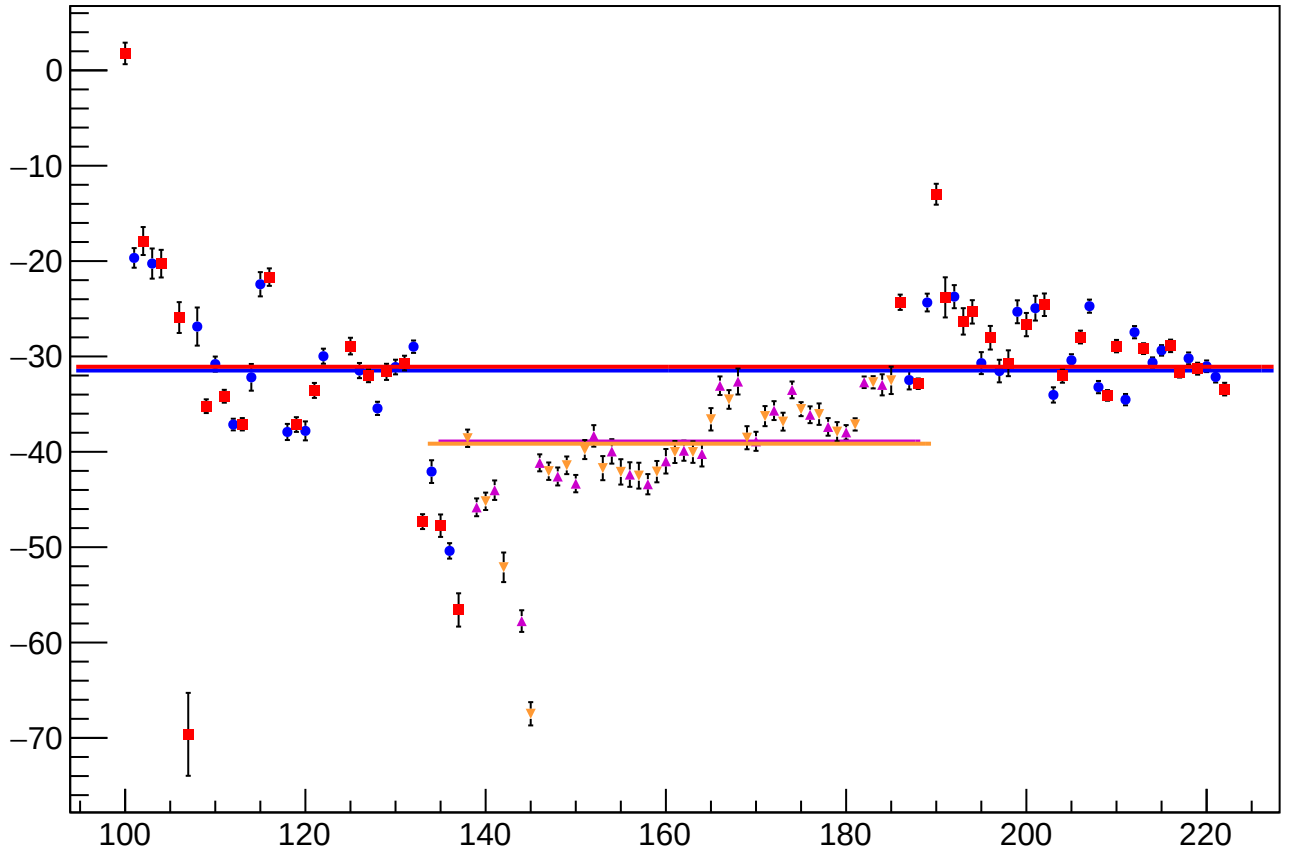
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.968+/-0.007 χ^2/NDF: 107059.6/70

In: -19.932+/-0.006 χ^2/NDF:165859.7/56

Out: -20.123+/-0.006 χ^2/NDF:232453.3/60

All: -20.028+/-0.004 χ^2/NDF: 398795.2/117



Right In: -31.475+/-0.135 χ^2/NDF: 1454.1/33

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.080+/-0.135 χ^2/NDF: 2795.3/36

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

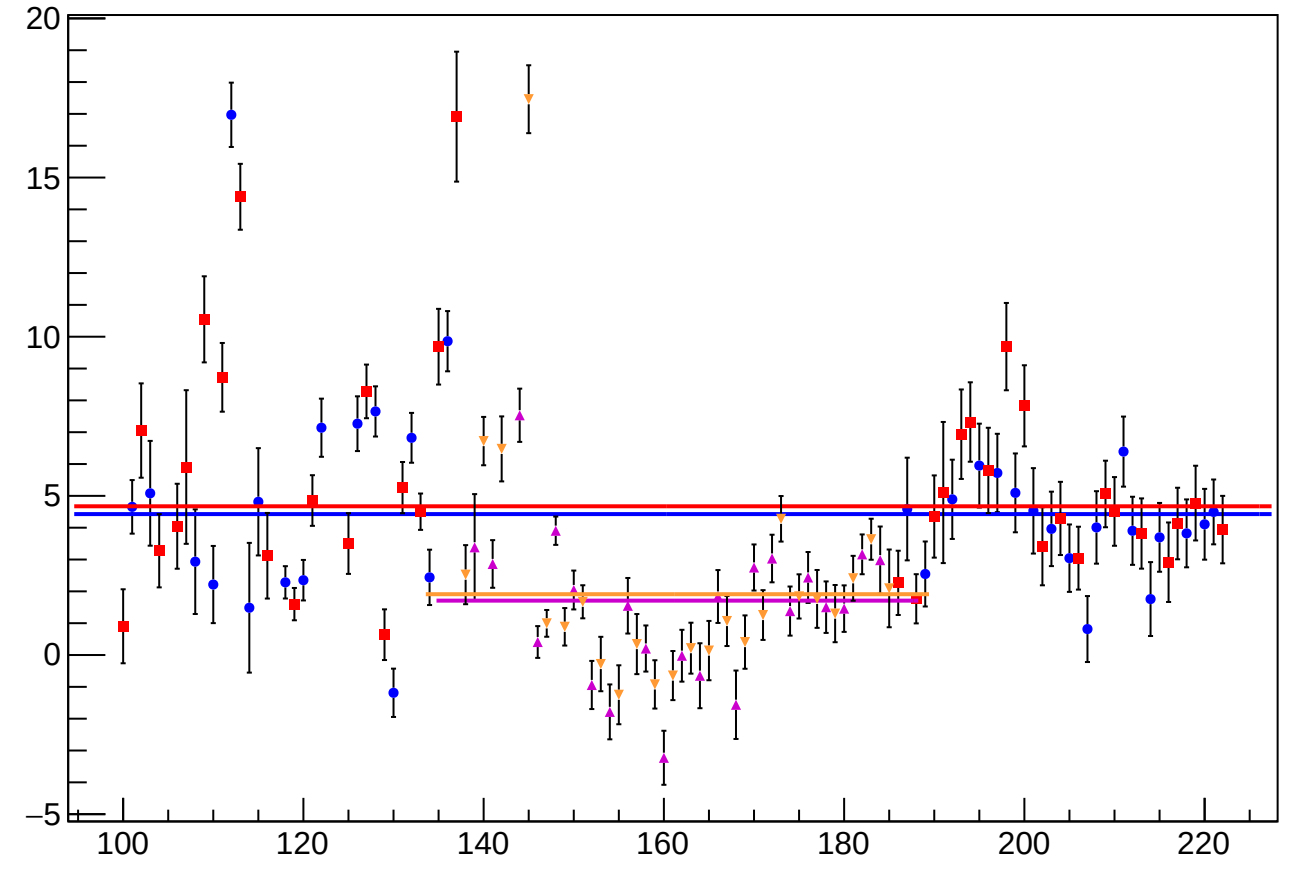
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.278+/-0.095 χ^2/NDF: 4253.6/70

In: -33.736+/-0.112 χ^2/NDF:3068.3/56

Out: -33.554+/-0.112 χ^2/NDF:4795.2/60

All: -33.645+/-0.079 χ^2/NDF: 7864.8/117



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: 4.673+/-0.169 χ^2/NDF: 328.7/36

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

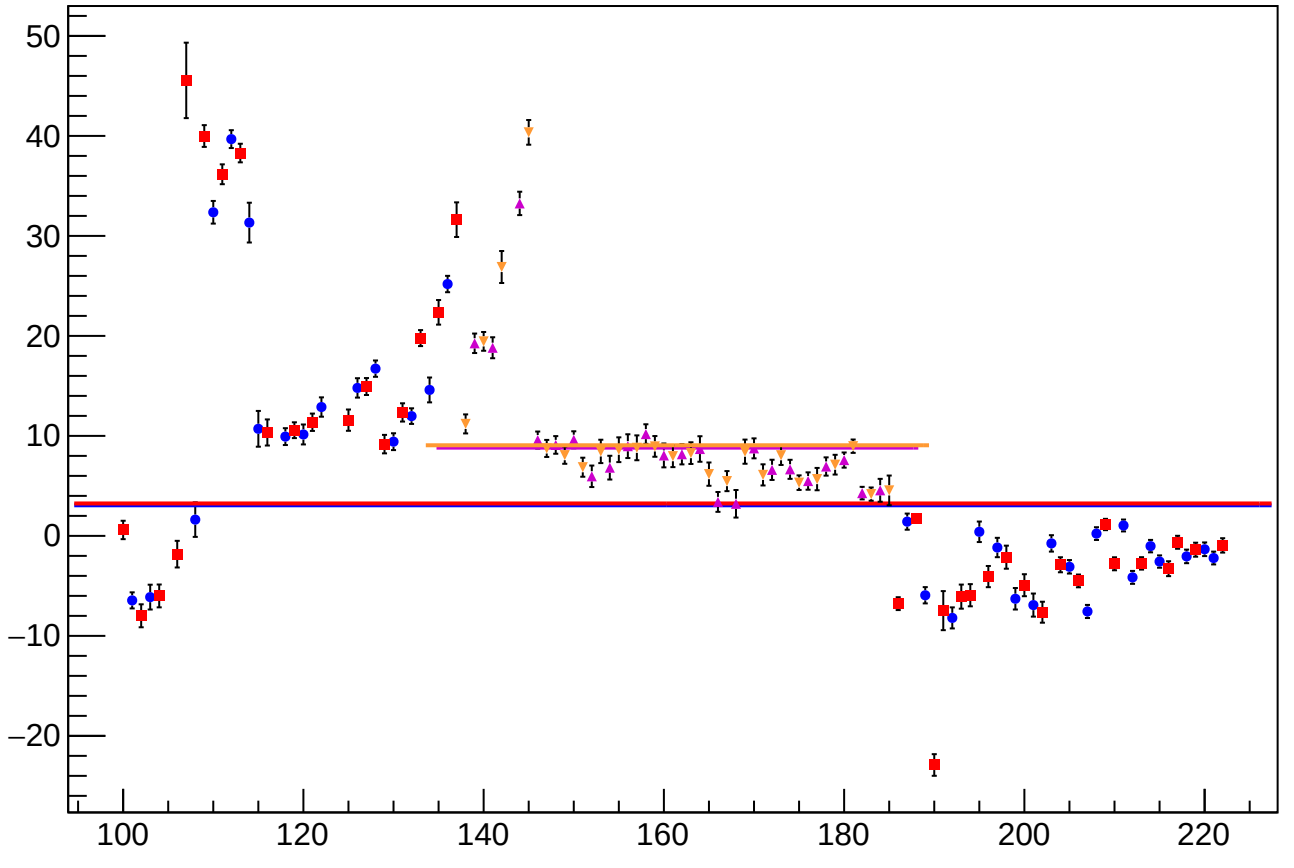
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.551+/-0.120 χ^2/NDF: 687.6/70

In: 2.940+/-0.115 χ^2/NDF:679.7/56

Out: 3.151+/-0.113 χ^2/NDF:835.4/60

All: 3.047+/-0.081 χ^2/NDF: 1516.8/117



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: 3.242+/-0.140 χ^2/NDF: 7330.0/36

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

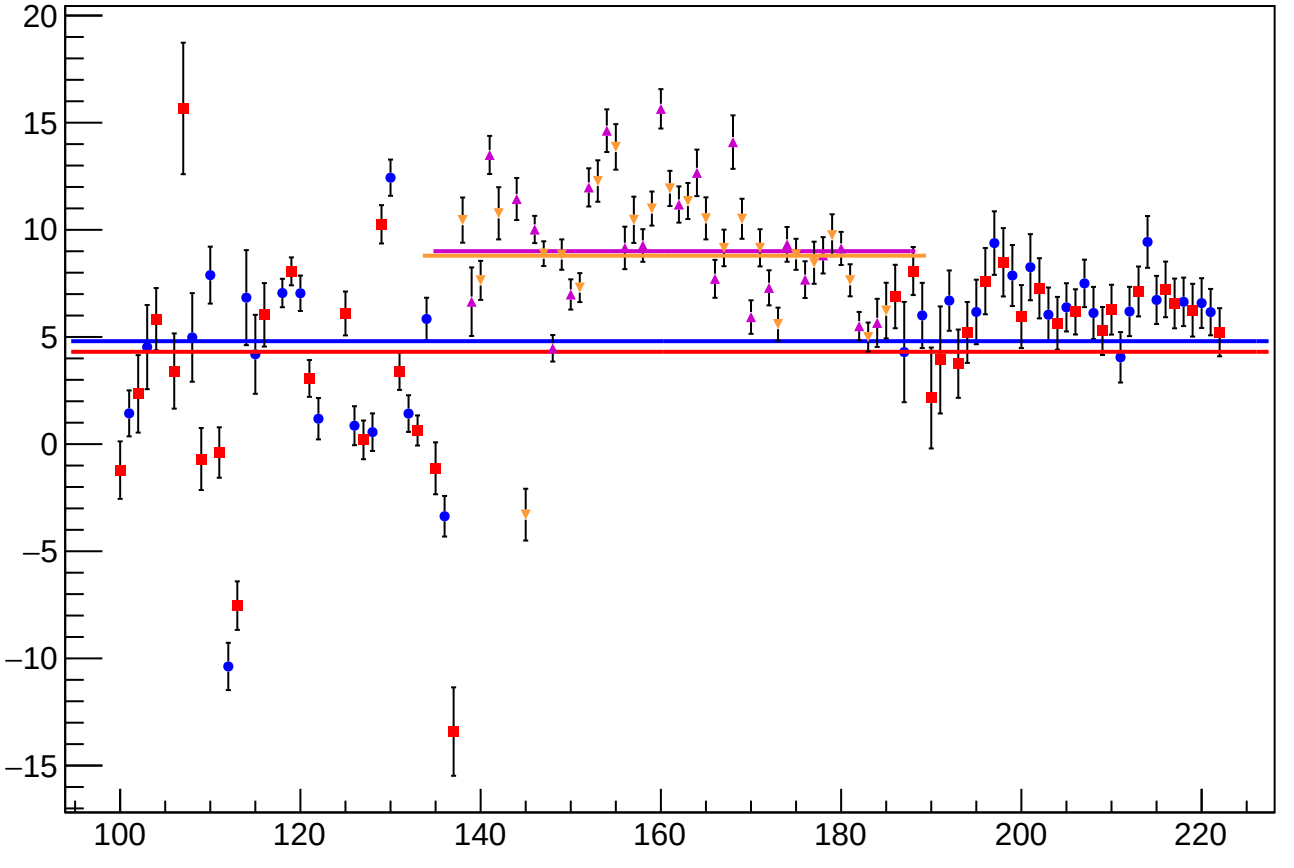
Right: 3.152+/-0.100 χ^2/NDF: 12976.7/70

In: 4.969+/-0.116 χ^2/NDF:6993.1/56

Out: 5.146+/-0.115 χ^2/NDF:8928.2/60

All: 5.058+/-0.082 χ^2/NDF: 15922.5/117

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.804+/-0.194 χ^2/NDF: 511.6/33

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.308+/-0.194 χ^2/NDF: 455.9/36

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

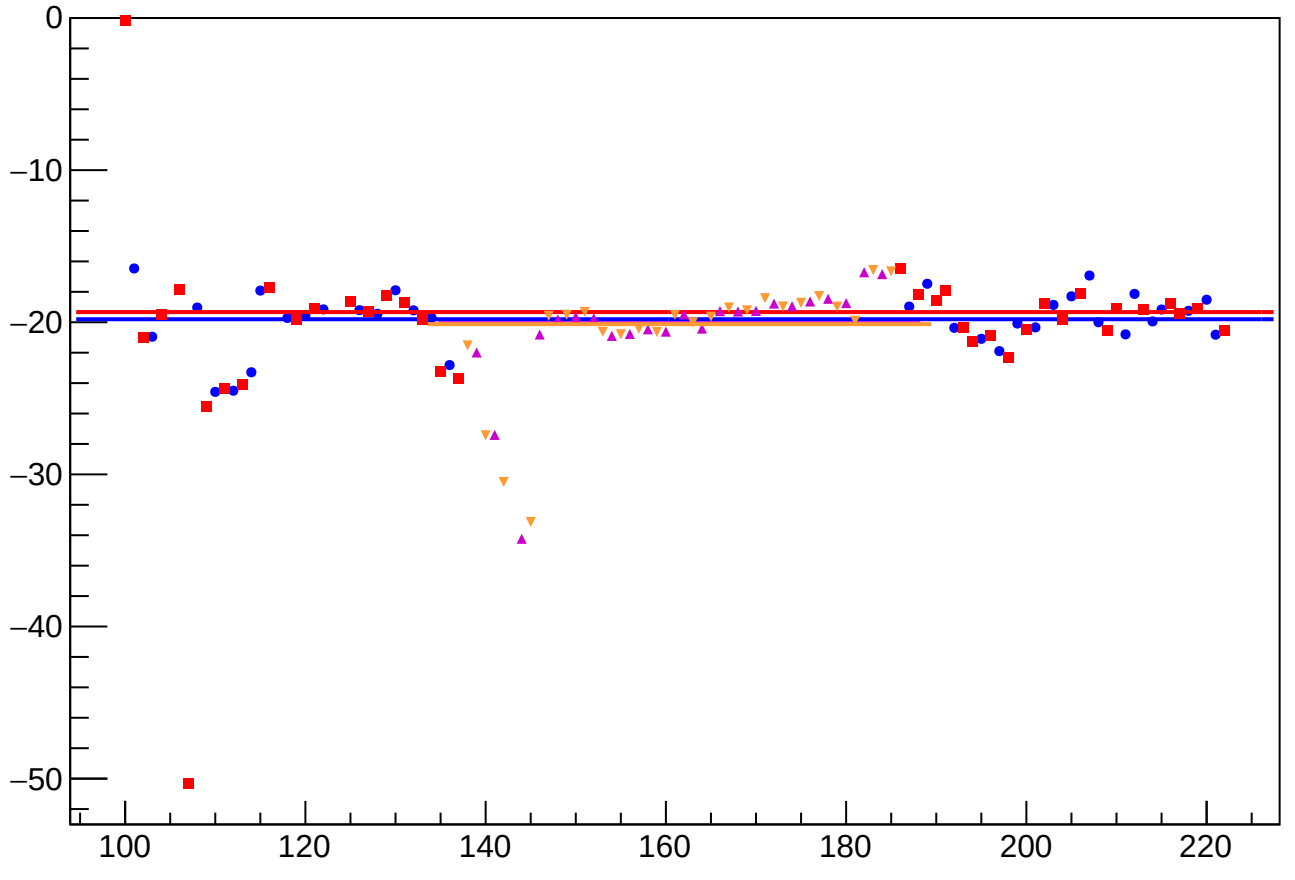
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.557+/-0.137 χ^2/NDF: 970.8/70

In: 7.105+/-0.130 χ^2/NDF:1058.6/56

Out: 6.800+/-0.130 χ^2/NDF:995.7/60

All: 6.952+/-0.092 χ^2/NDF: 2057.1/117



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: -19.330+/-0.010 χ^2/NDF: 248480.4/36

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

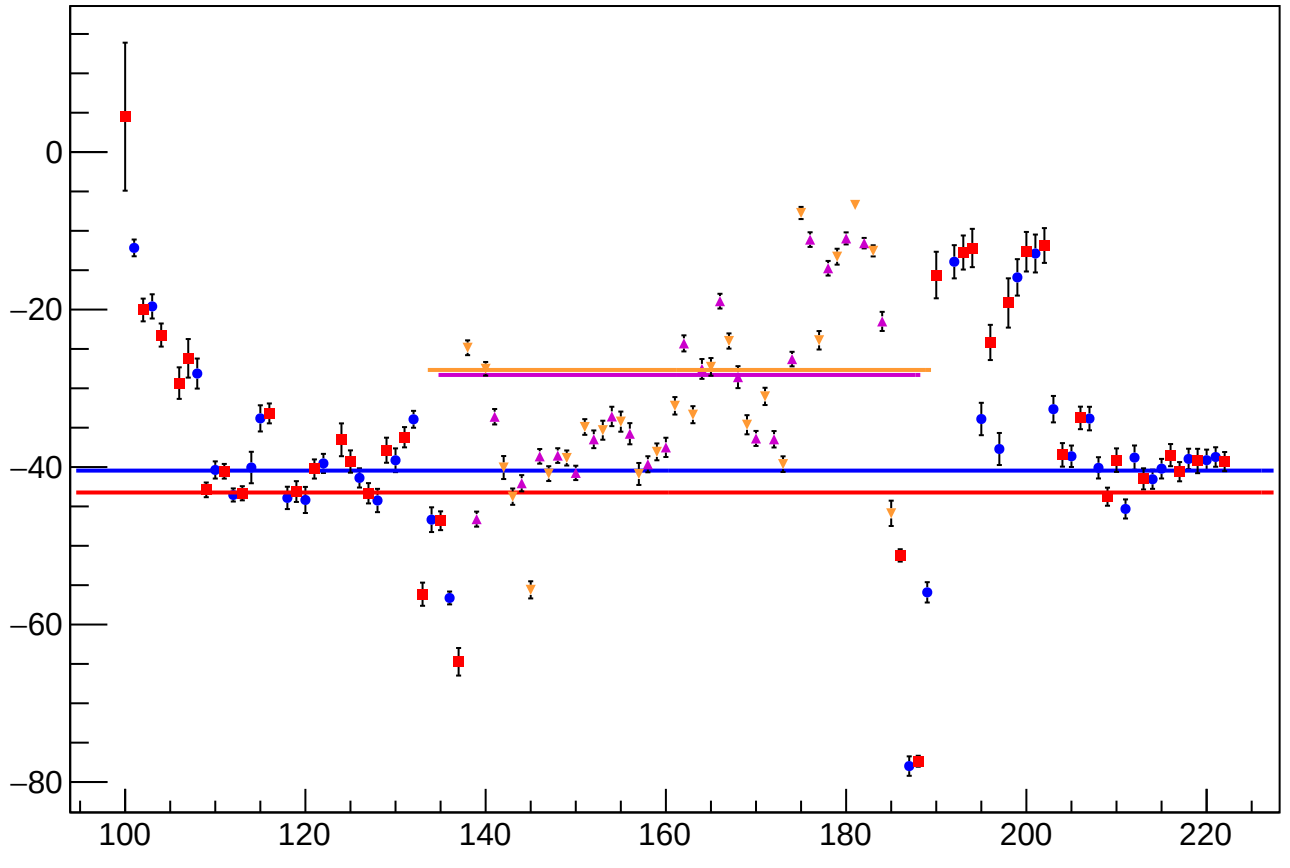
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.562+/-0.007 χ^2/NDF: 282828.9/70

In: -19.960+/-0.006 χ^2/NDF:166292.0/56

Out: -19.802+/-0.006 χ^2/NDF:411099.9/60

All: -19.881+/-0.004 χ^2/NDF: 577721.2/117



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: -43.231+/-0.221 χ^2/NDF: 4475.2/36

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

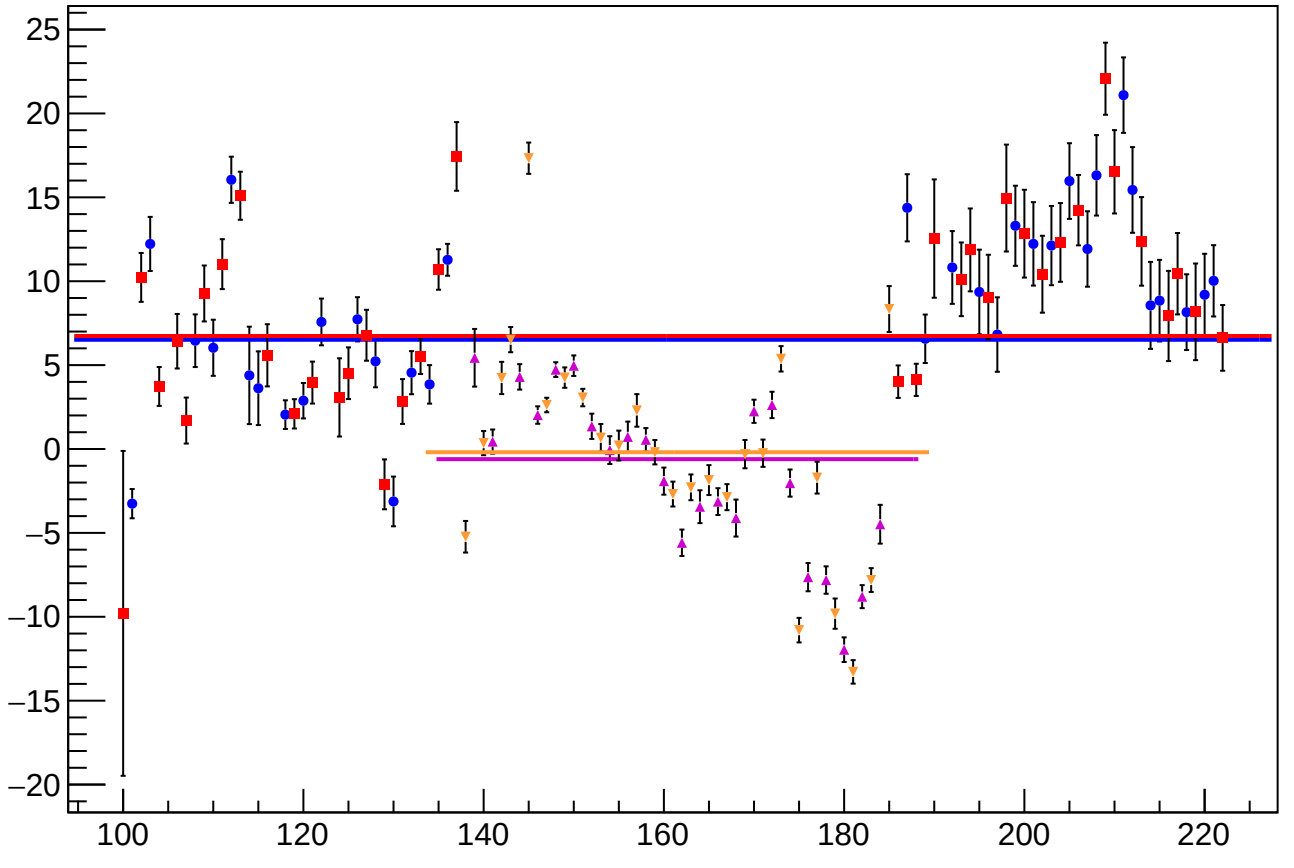
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -41.899+/-0.160 χ^2/NDF: 7523.4/70

In: -33.686+/-0.154 χ^2/NDF:7790.5/56

Out: -34.683+/-0.149 χ^2/NDF:11588.9/61

All: -34.201+/-0.107 χ^2/NDF: 19401.2/118



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: 6.736+/-0.264 χ^2/NDF: 327.5/36

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

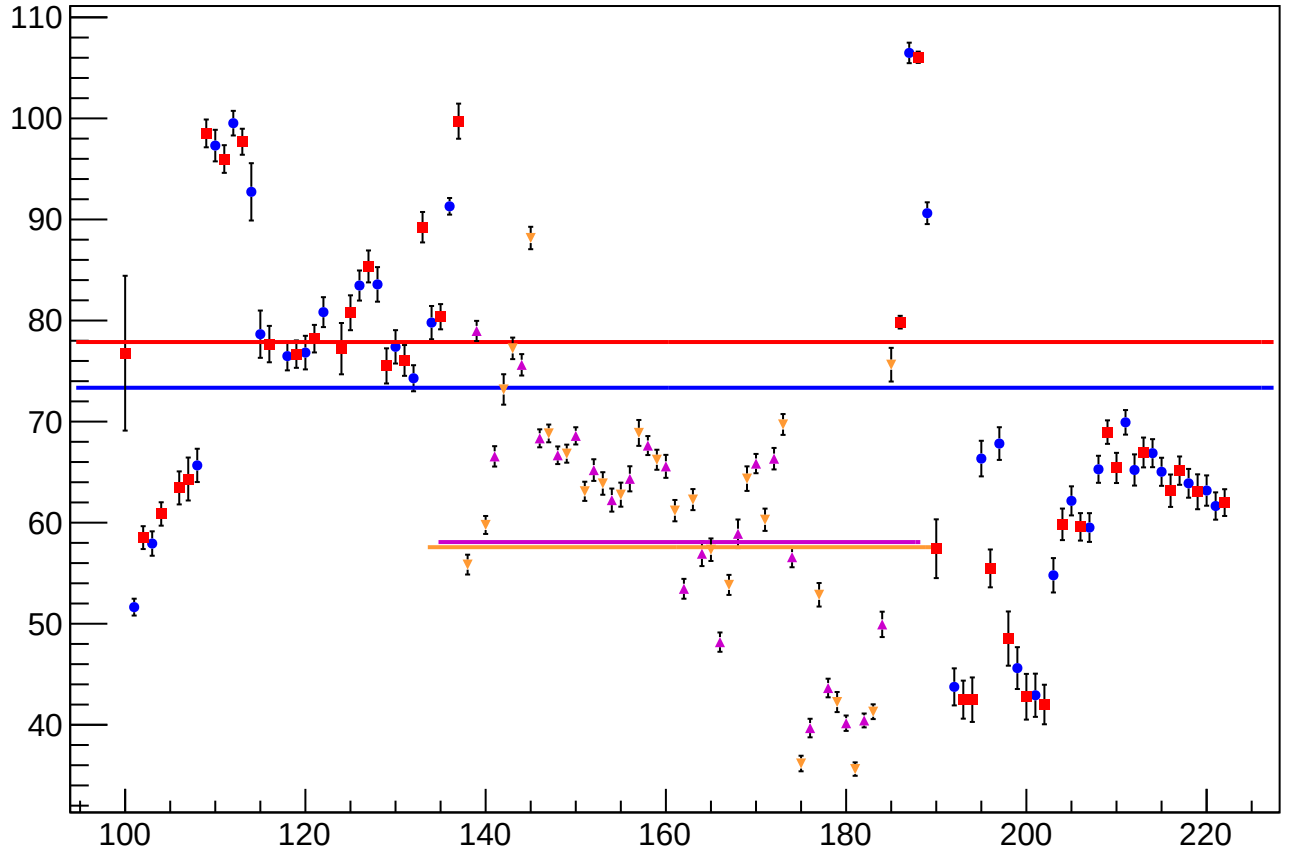
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.626+/-0.189 χ^2/NDF: 772.9/70

In: 1.156+/-0.135 χ^2/NDF:1940.2/56

Out: 1.500+/-0.130 χ^2/NDF:2393.3/61

All: 1.334+/-0.094 χ^2/NDF: 4336.9/118



Right In: 73.349+/-0.238 χ^2/NDF: 4790.6/33

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 77.873+/-0.224 χ^2/NDF: 6449.8/36

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

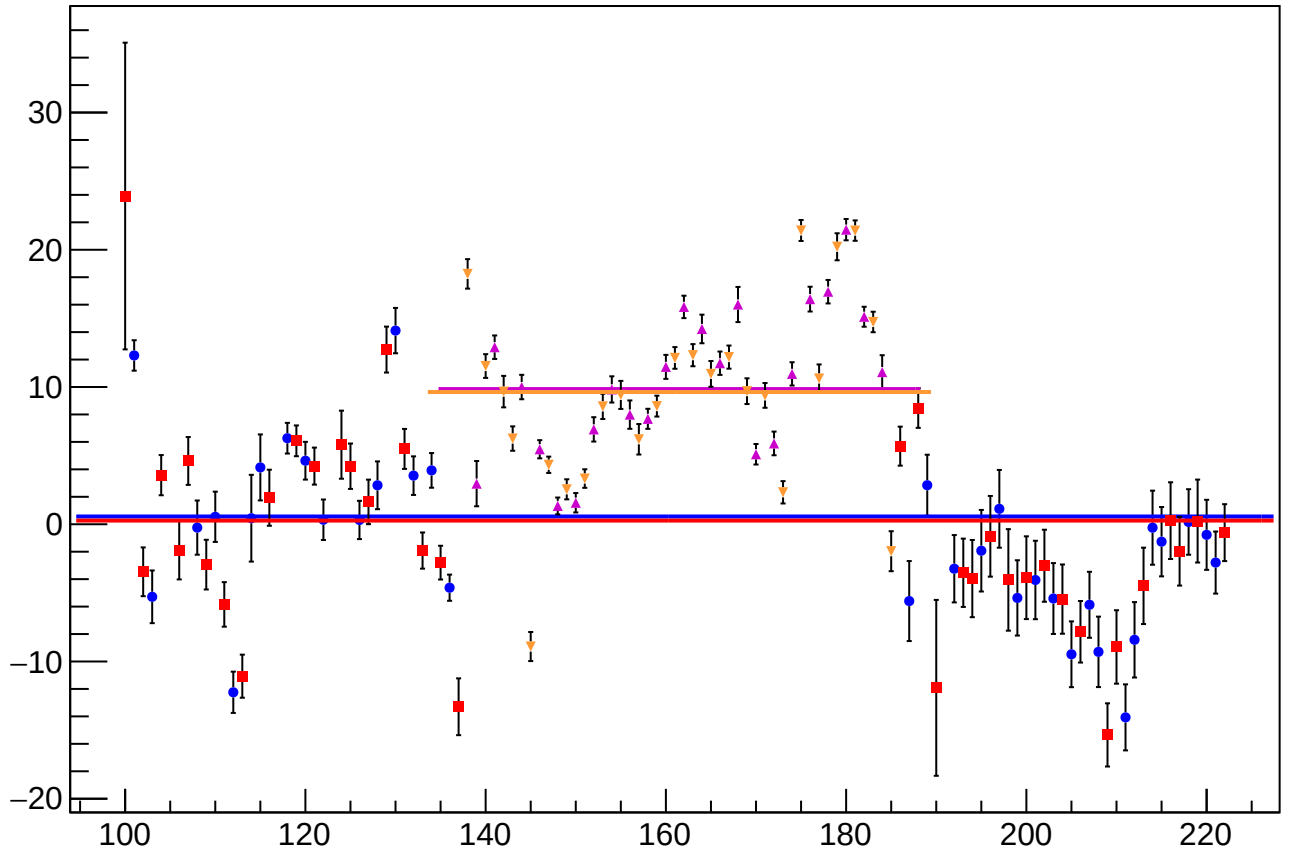
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

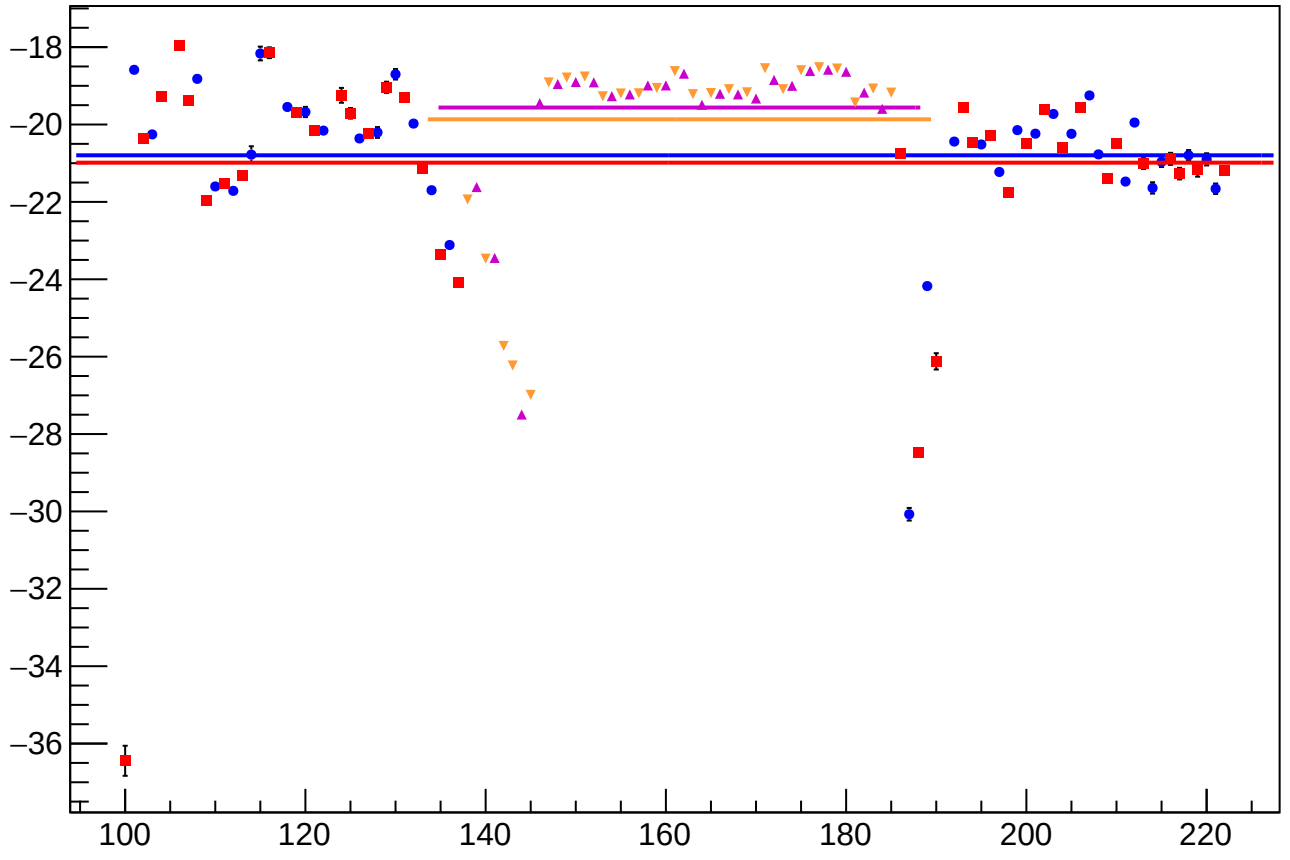
Right: 75.749+/-0.163 χ^2/NDF: 11431.6/70

In: 64.516+/-0.155 χ^2/NDF:10723.1/56

Out: 66.518+/-0.149 χ^2/NDF:15721.6/61

All: 65.556+/-0.107 χ^2/NDF: 26531.6/118


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 0.565+/-0.311 χ²/NDF: 452.7/33
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.269+/-0.310 χ²/NDF: 398.6/36
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.416+/-0.220 χ²/NDF: 851.8/70
In: 7.591+/-0.153 χ²/NDF:2120.1/56
Out: 7.444+/-0.150 χ²/NDF:2589.0/61
All: 7.516+/-0.107 χ²/NDF: 4709.6/118



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: -20.986+/-0.015 χ^2/NDF: 20709.5/36

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

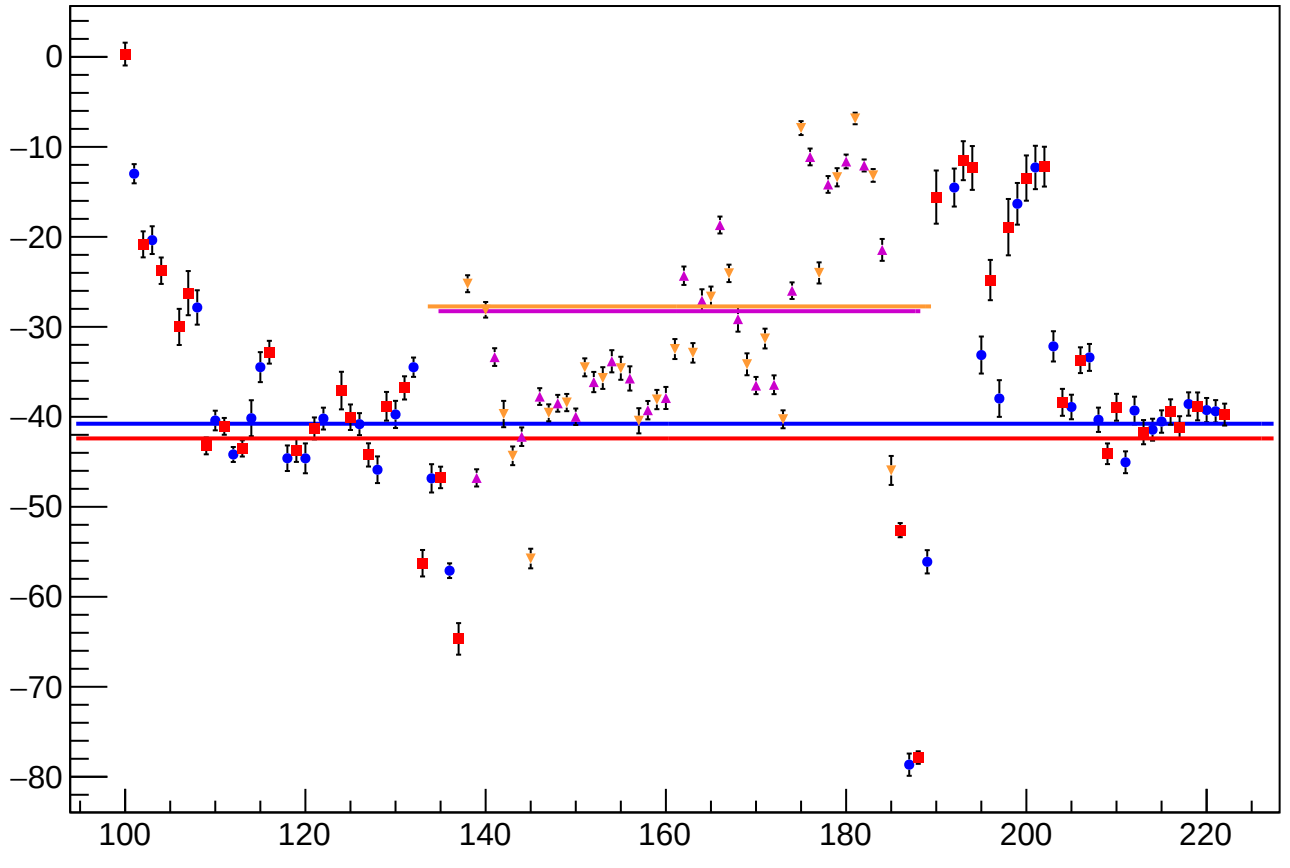
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.890+/-0.011 χ^2/NDF: 33482.4/70

In: -19.825+/-0.007 χ^2/NDF:62997.4/56

Out: -20.096+/-0.007 χ^2/NDF:103763.5/61

All: -19.961+/-0.005 χ^2/NDF: 167503.4/118



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: -42.400+/-0.218 χ^2/NDF: 5662.7/36

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

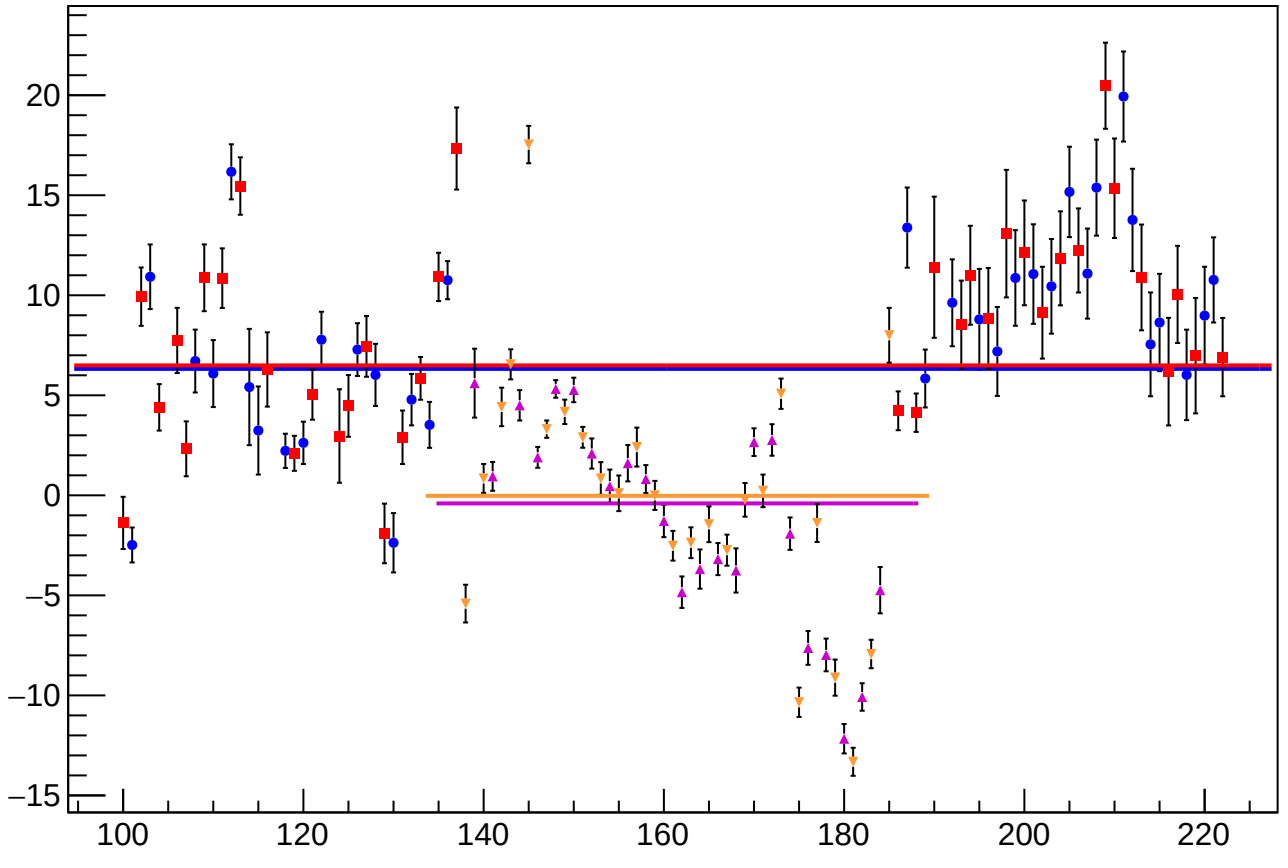
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.629+/-0.159 χ^2/NDF: 8667.0/70

In: -33.806+/-0.154 χ^2/NDF:7782.2/56

Out: -34.450+/-0.148 χ^2/NDF:12408.9/61

All: -34.141+/-0.107 χ^2/NDF: 20200.3/118



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: 6.494+/-0.259 χ^2/NDF: 322.6/36

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

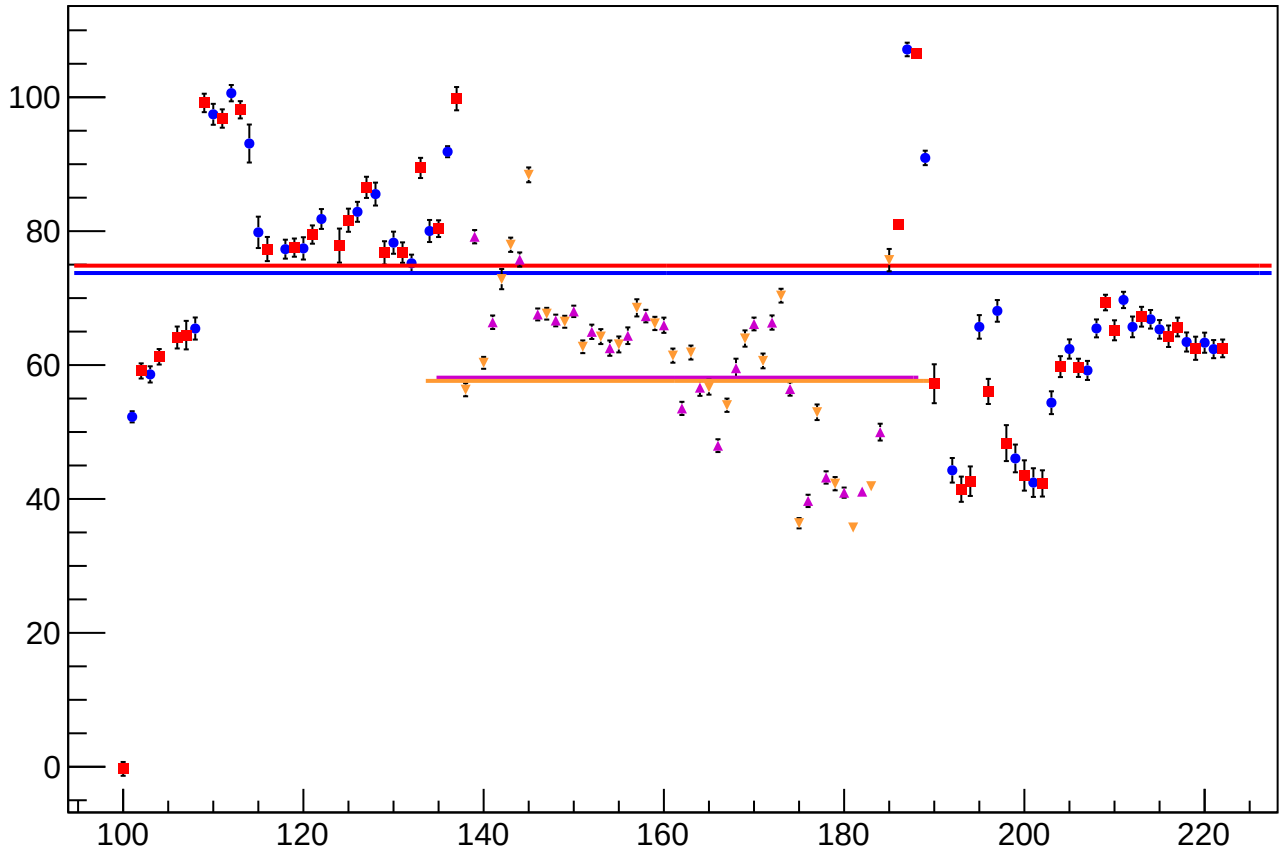
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.411+/-0.187 χ^2/NDF: 698.2/70

In: 1.261+/-0.135 χ^2/NDF:1922.9/56

Out: 1.615+/-0.130 χ^2/NDF:2327.9/61

All: 1.445+/-0.094 χ^2/NDF: 4254.4/118



Right In: 73.746+/-0.239 χ^2/NDF: 4868.3/33

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 74.847+/-0.219 χ^2/NDF: 12056.6/36

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

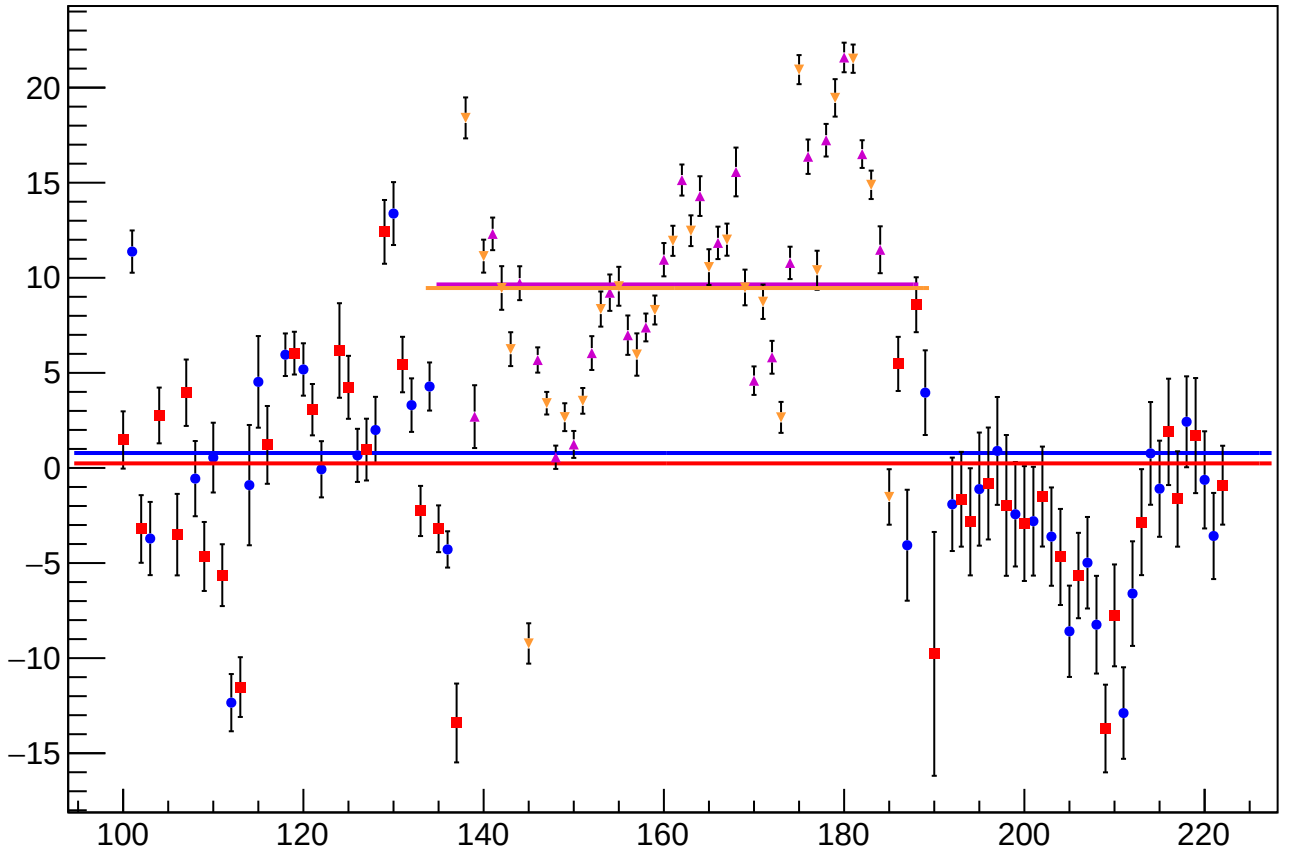
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

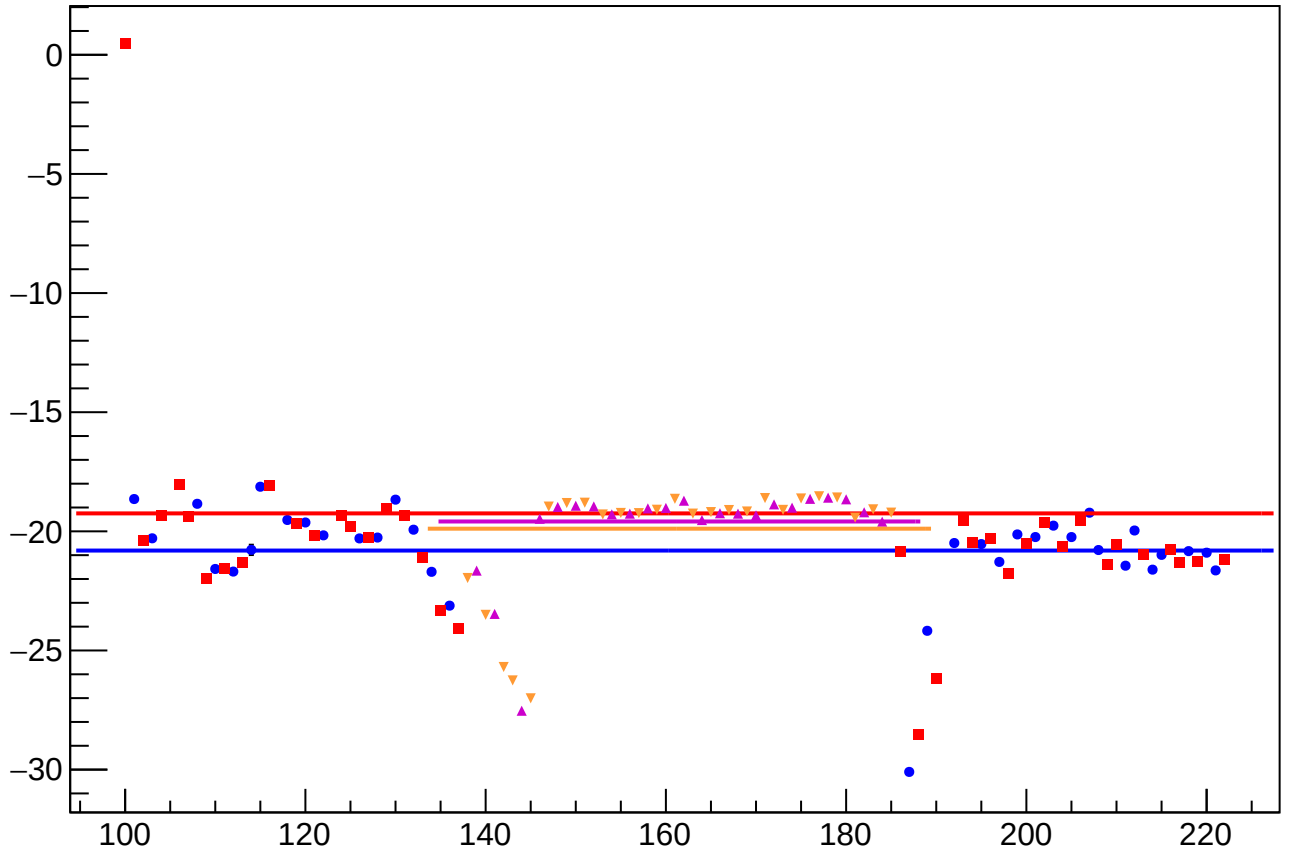
Right: 74.343+/-0.162 χ^2/NDF: 16936.5/70

In: 64.709+/-0.155 χ^2/NDF:10791.6/56

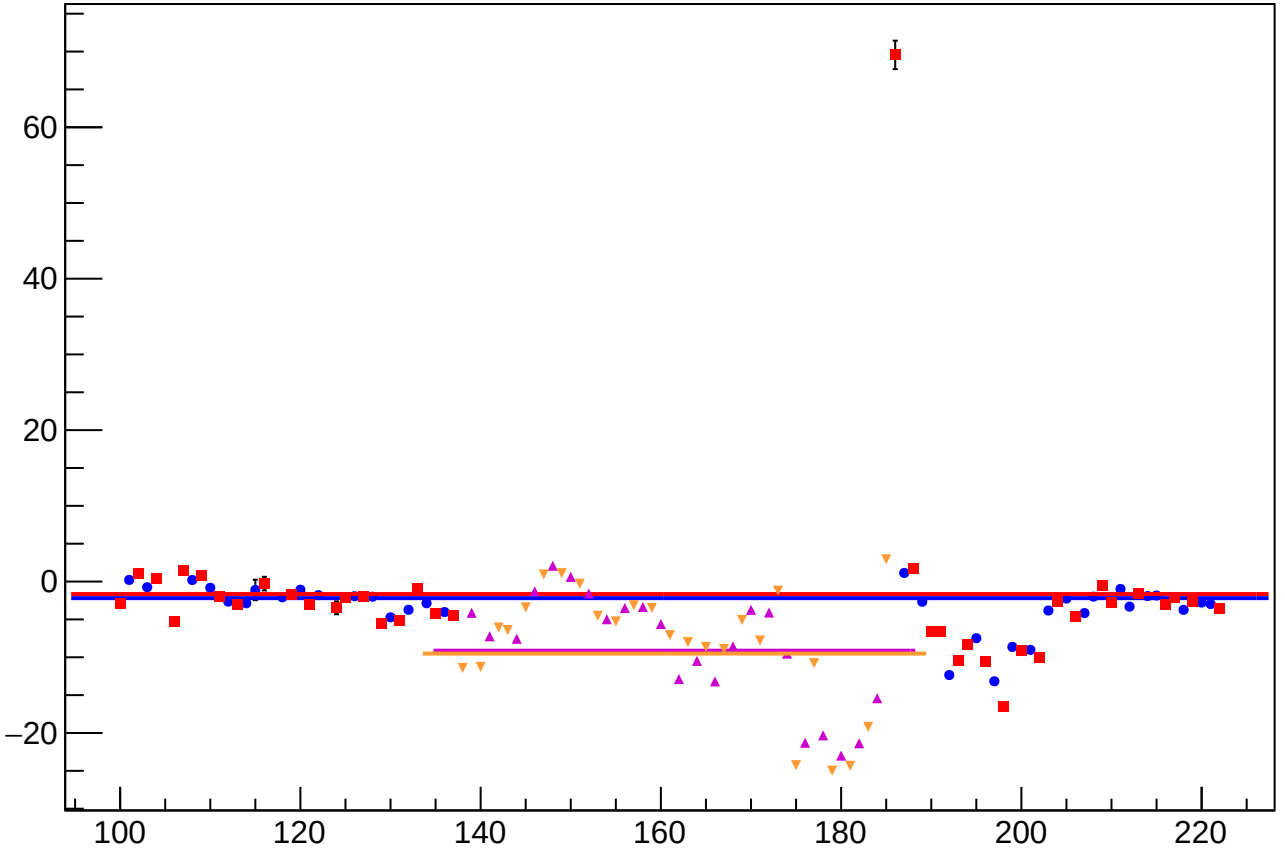
Out: 65.414+/-0.148 χ^2/NDF:20039.6/61

All: 65.079+/-0.107 χ^2/NDF: 30842.0/118


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: 0.786+/-0.311 χ²/NDF: 395.0/33
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.241+/-0.304 χ²/NDF: 366.4/36
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 0.507+/-0.218 χ²/NDF: 763.0/70
In: 7.493+/-0.154 χ²/NDF:2086.5/56
Out: 7.235+/-0.150 χ²/NDF:2546.1/61
All: 7.360+/-0.107 χ²/NDF: 4634.0/118


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: -19.247+/-0.015 χ²/NDF: 173309.2/36
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -20.005+/-0.011 χ²/NDF: 191223.5/70
In: -19.846+/-0.007 χ²/NDF:62661.6/56
Out: -19.748+/-0.007 χ²/NDF:253275.4/61
All: -19.797+/-0.005 χ²/NDF: 316035.1/118

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: -1.650+/-0.043 χ^2/NDF: 7031.6/37

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

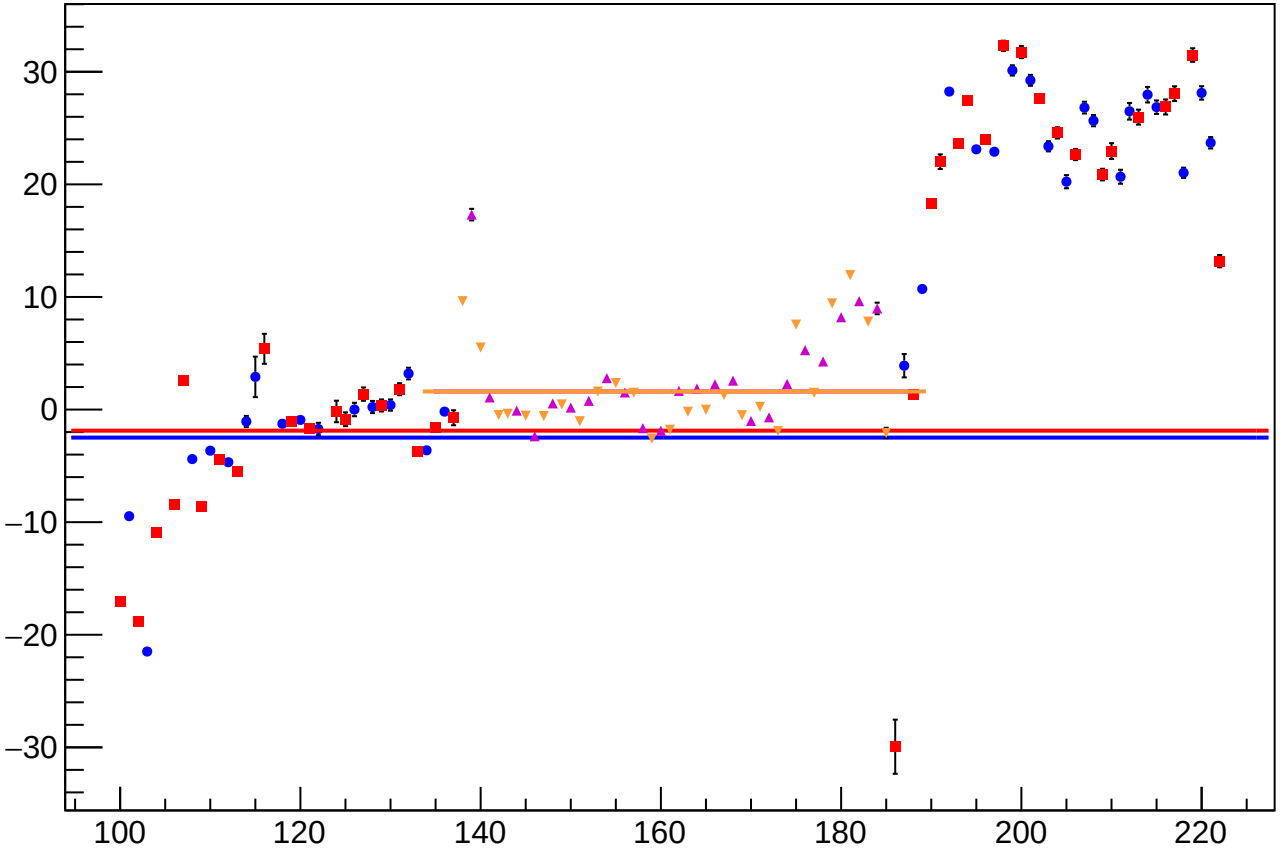
Right: -1.904+/-0.031 χ^2/NDF: 10510.6/71

In: -4.069+/-0.039 χ^2/NDF:20077.7/56

Out: -3.684+/-0.037 χ^2/NDF:28633.0/62

All: -3.866+/-0.027 χ^2/NDF: 48762.3/119

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.491+/-0.051 χ^2/NDF: 77347.0/33

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -1.872+/-0.051 χ^2/NDF: 76564.3/37

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

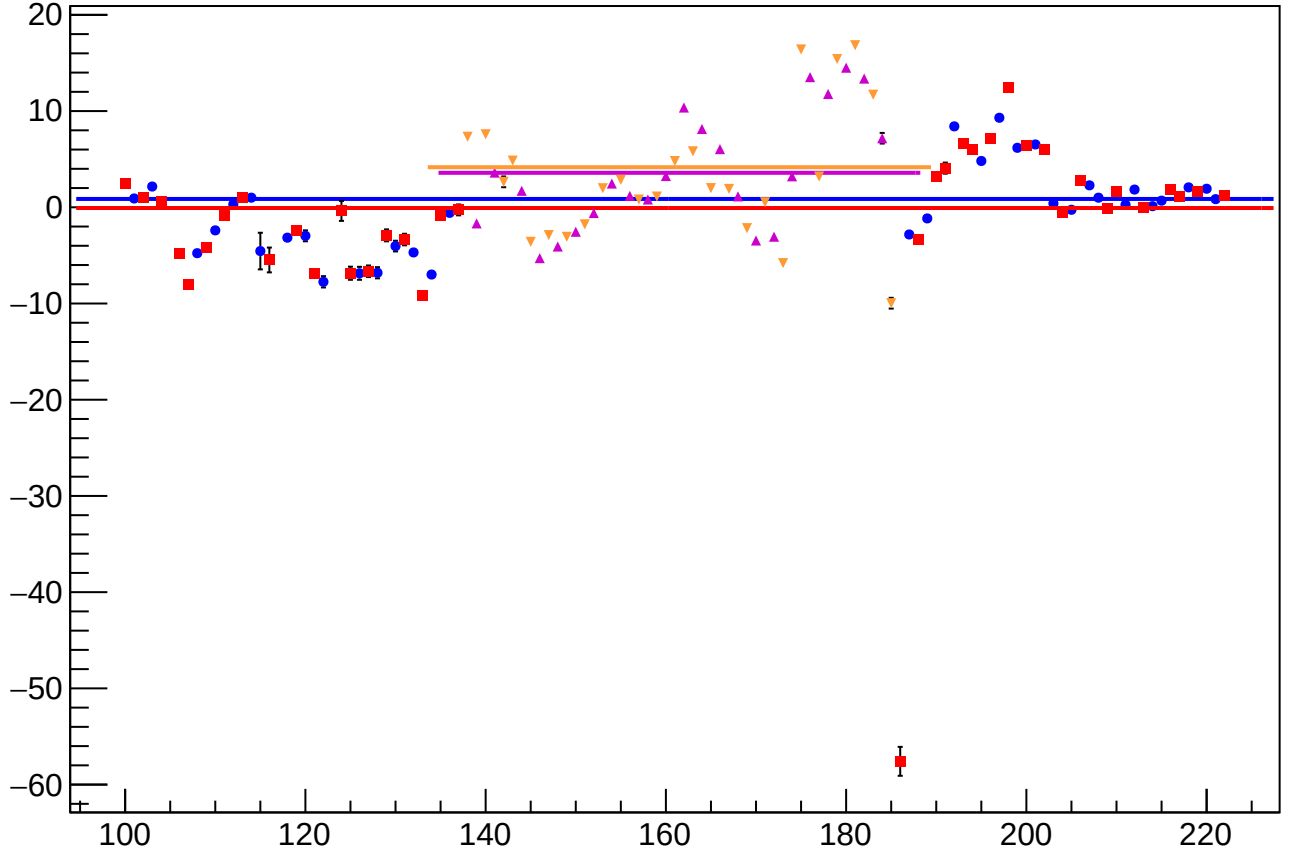
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.180+/-0.036 χ^2/NDF: 153984.5/71

In: -0.685+/-0.038 χ^2/NDF:83822.2/56

Out: -0.272+/-0.037 χ^2/NDF:83386.2/62

All: -0.473+/-0.027 χ^2/NDF: 167267.9/119



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: -0.075+/-0.044 χ^2/NDF: 8300.0/37

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

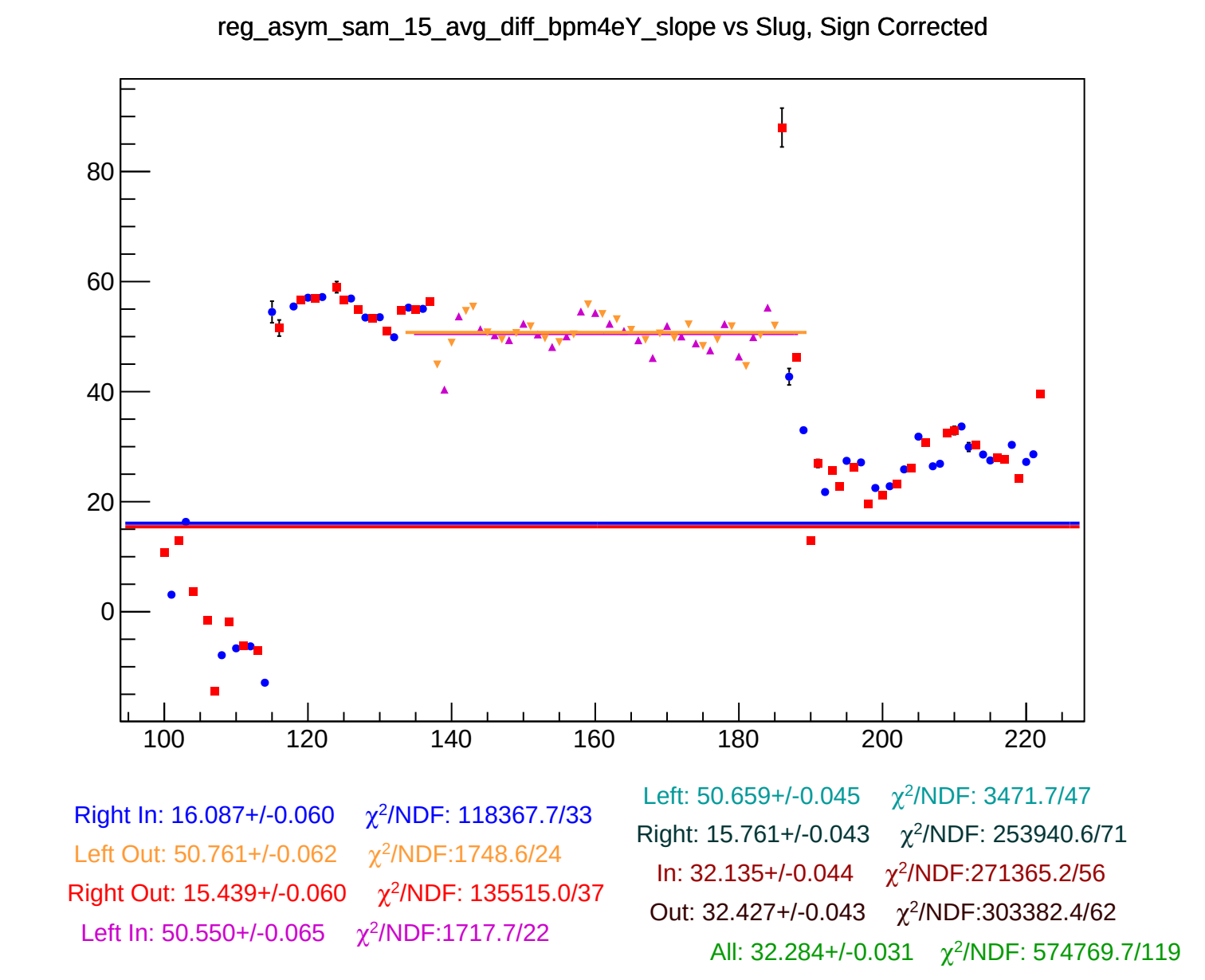
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.388+/-0.031 χ^2/NDF: 12738.0/71

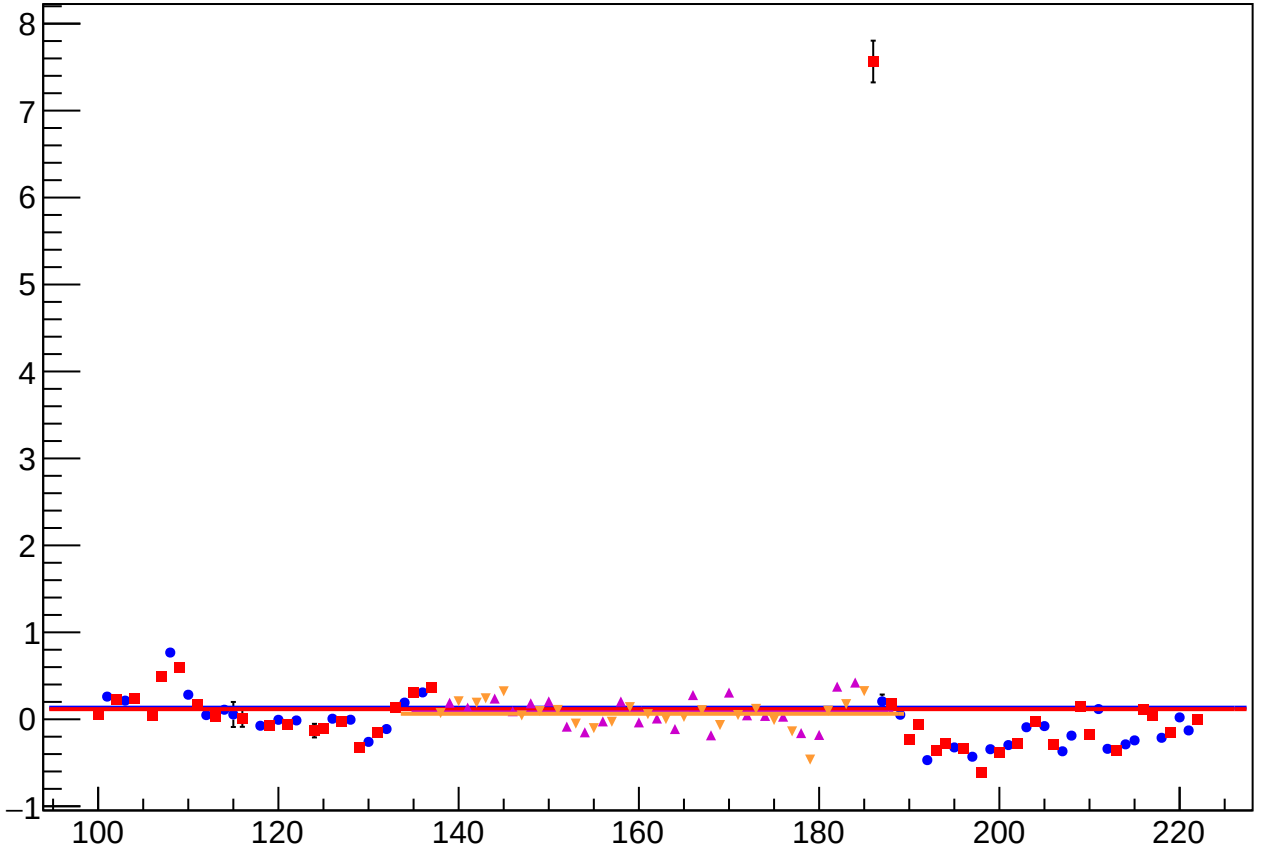
In: 1.588+/-0.038 χ^2/NDF:12427.9/56

Out: 1.062+/-0.037 χ^2/NDF:20080.1/62

All: 1.320+/-0.027 χ^2/NDF: 32605.6/119


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: 15.439+/-0.060 χ2/NDF: 135515.0/37
Left In: 50.550+/-0.065 χ2/NDF:1717.7/22
Left: 50.659+/-0.045 χ2/NDF: 3471.7/47
Right: 15.761+/-0.043 χ2/NDF: 253940.6/71
In: 32.135+/-0.044 χ2/NDF:271365.2/56
Out: 32.427+/-0.043 χ2/NDF:303382.4/62
All: 32.284+/-0.031 χ2/NDF: 574769.7/119

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: 13272.1/37

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

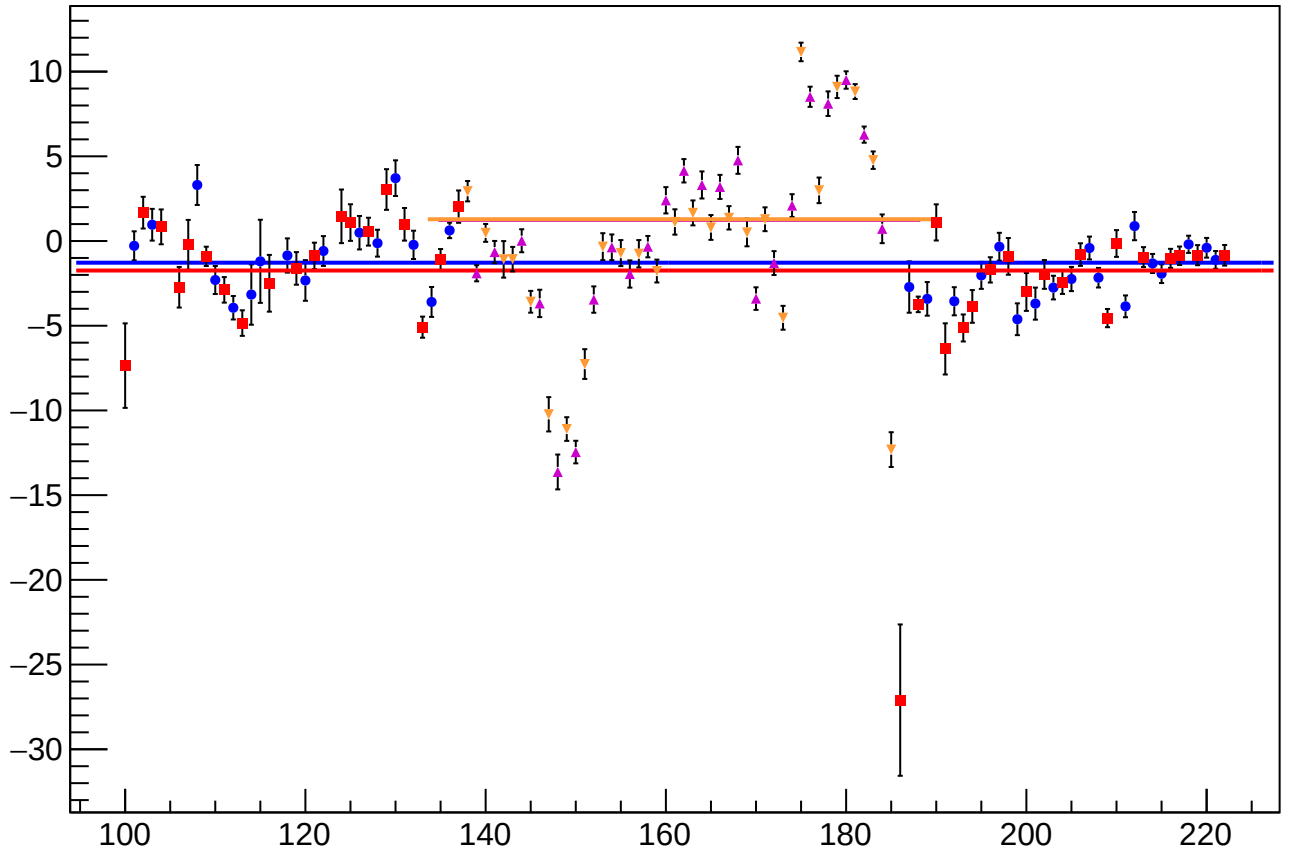
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.125+/-0.002 χ^2/NDF: 27463.2/71

In: 0.111+/-0.002 χ^2/NDF:17821.9/56

Out: 0.094+/-0.002 χ^2/NDF:16050.2/62

All: 0.102+/-0.001 χ^2/NDF: 33912.4/119



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: -1.741+/-0.127 χ^2/NDF: 274.7/37

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

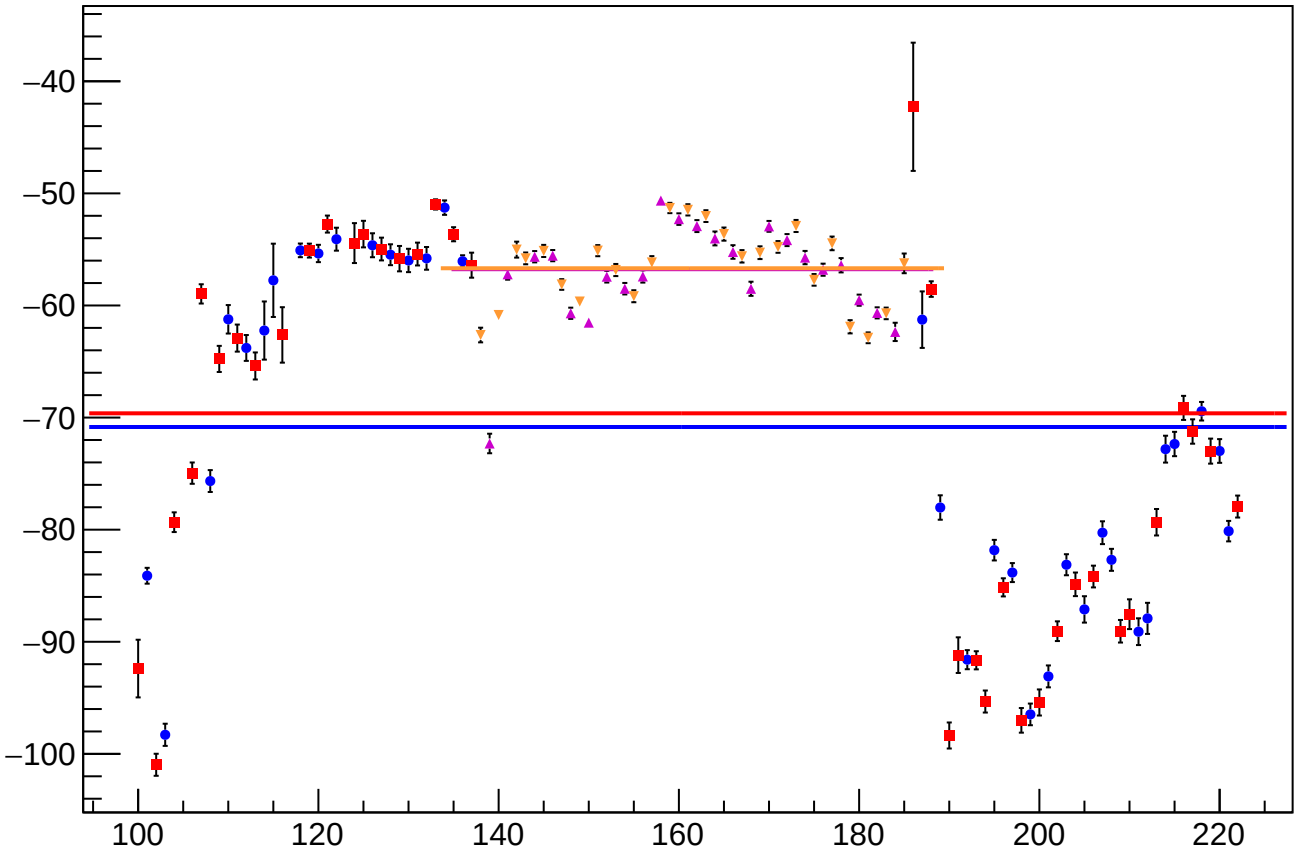
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.515+/-0.091 χ^2/NDF: 451.6/71

In: -0.116+/-0.095 χ^2/NDF:1857.4/56

Out: -0.342+/-0.093 χ^2/NDF:2252.1/62

All: -0.231+/-0.067 χ^2/NDF: 4112.4/119



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: -69.621+/-0.155 χ^2/NDF: 11384.4/37

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

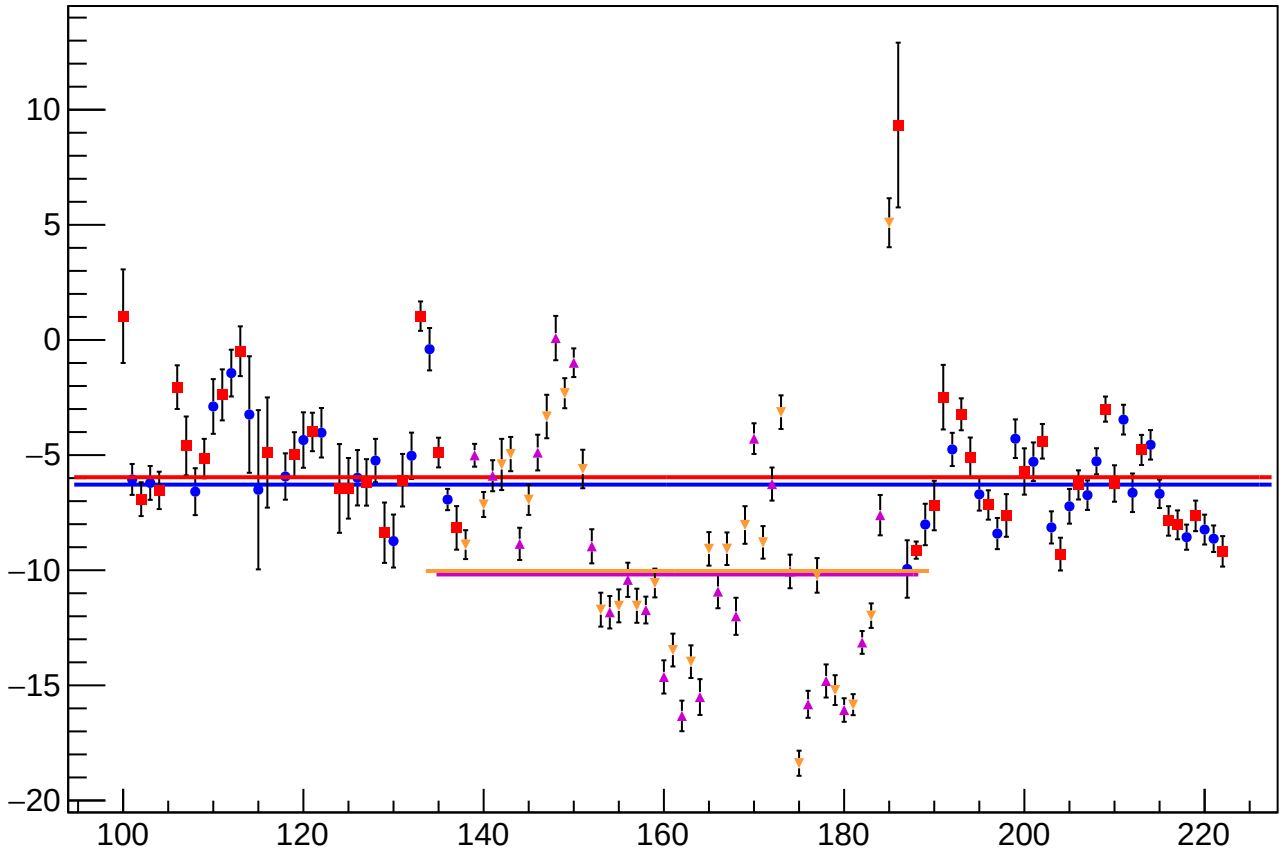
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -70.205+/-0.112 χ^2/NDF: 19983.5/71

In: -61.315+/-0.092 χ^2/NDF:14787.4/56

Out: -60.853+/-0.088 χ^2/NDF:17097.1/62

All: -61.074+/-0.064 χ^2/NDF: 31897.6/119



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: -5.961+/-0.129 χ^2/NDF: 437.8/37

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

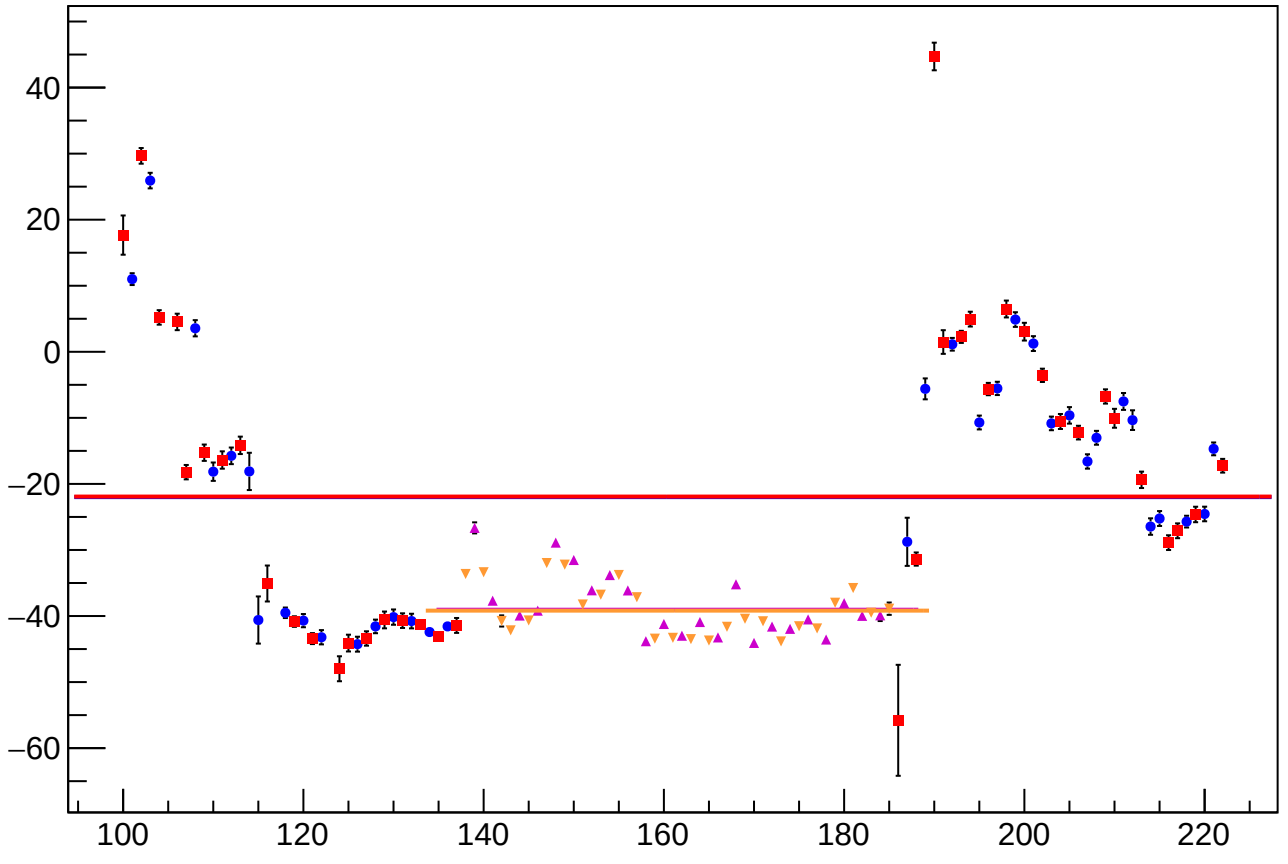
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -6.117+/-0.093 χ^2/NDF: 647.2/71

In: -8.143+/-0.096 χ^2/NDF:1760.6/56

Out: -7.890+/-0.094 χ^2/NDF:2091.0/62

All: -8.013+/-0.067 χ^2/NDF: 3855.1/119



Right In: -21.998+/-0.182 χ^2/NDF: 10814.6/33

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.916+/-0.178 χ^2/NDF: 13035.1/37

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

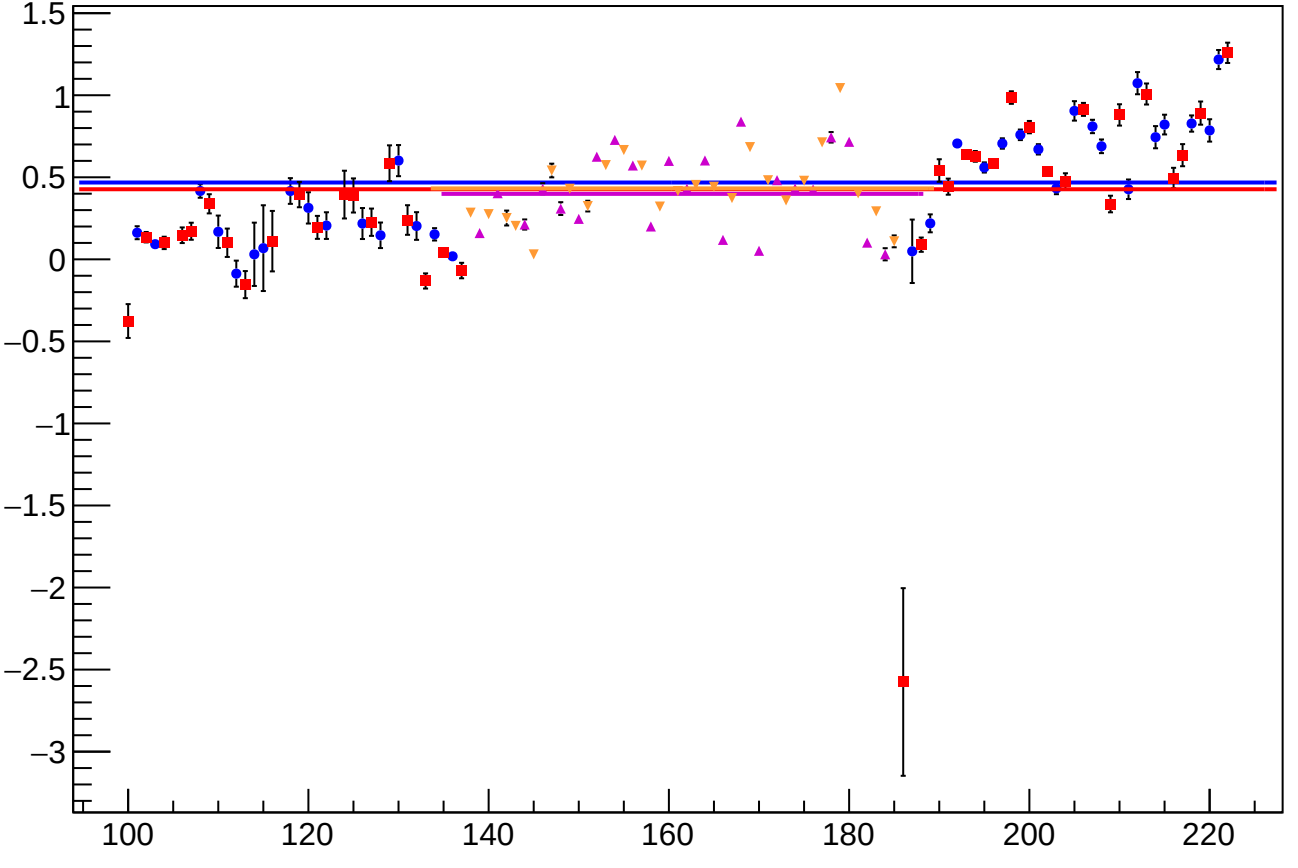
Right: -21.956+/-0.127 χ^2/NDF: 23849.8/71

In: -33.638+/-0.103 χ^2/NDF:18010.5/56

Out: -33.796+/-0.100 χ^2/NDF:20527.6/62

All: -33.720+/-0.071 χ^2/NDF: 38539.4/119

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.427+/-0.008 χ^2/NDF: 1927.7/37

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

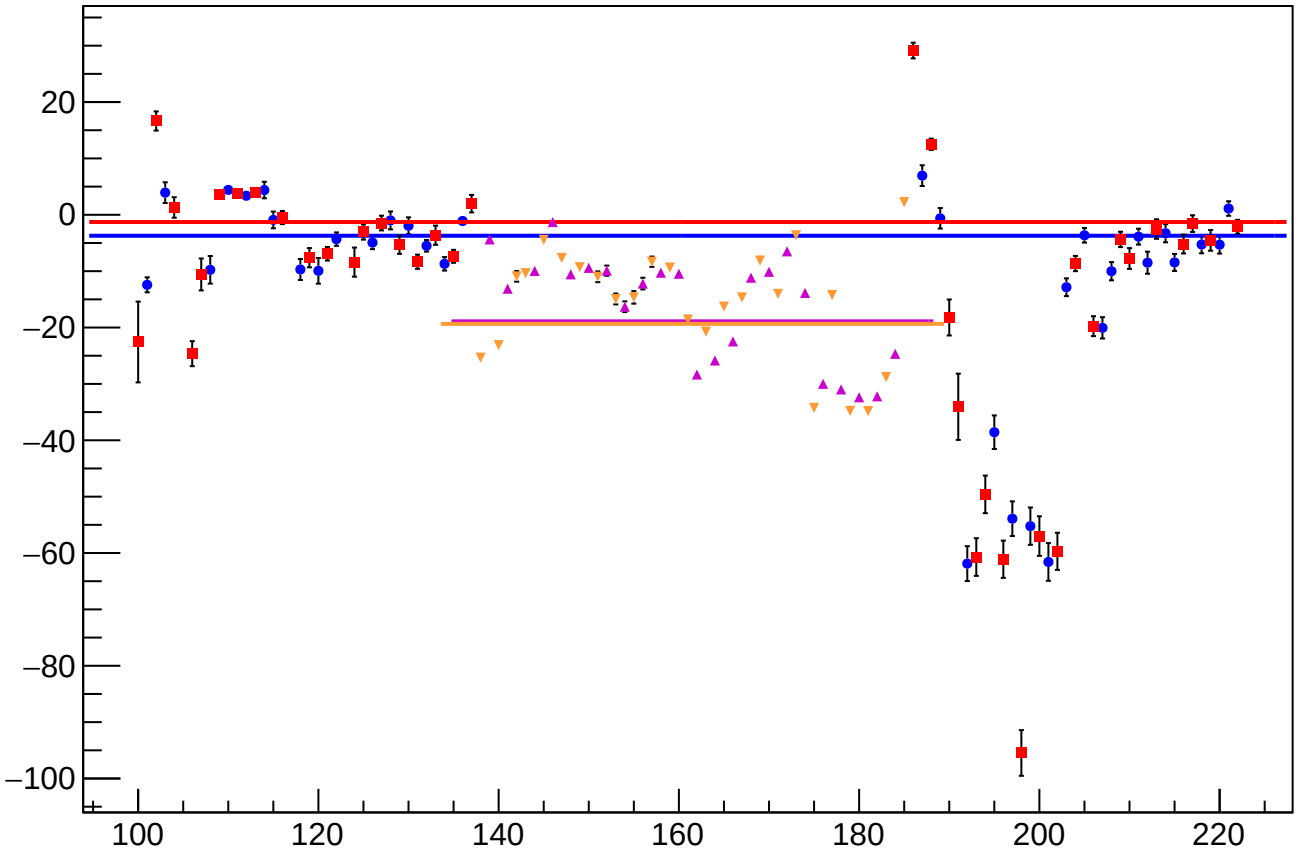
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.447+/-0.006 χ^2/NDF: 3573.3/71

In: 0.421+/-0.004 χ^2/NDF:3608.3/56

Out: 0.431+/-0.004 χ^2/NDF:3296.7/62

All: 0.426+/-0.003 χ^2/NDF: 6907.6/119



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: -1.278+/-0.223 χ^2/NDF: 3403.9/37

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

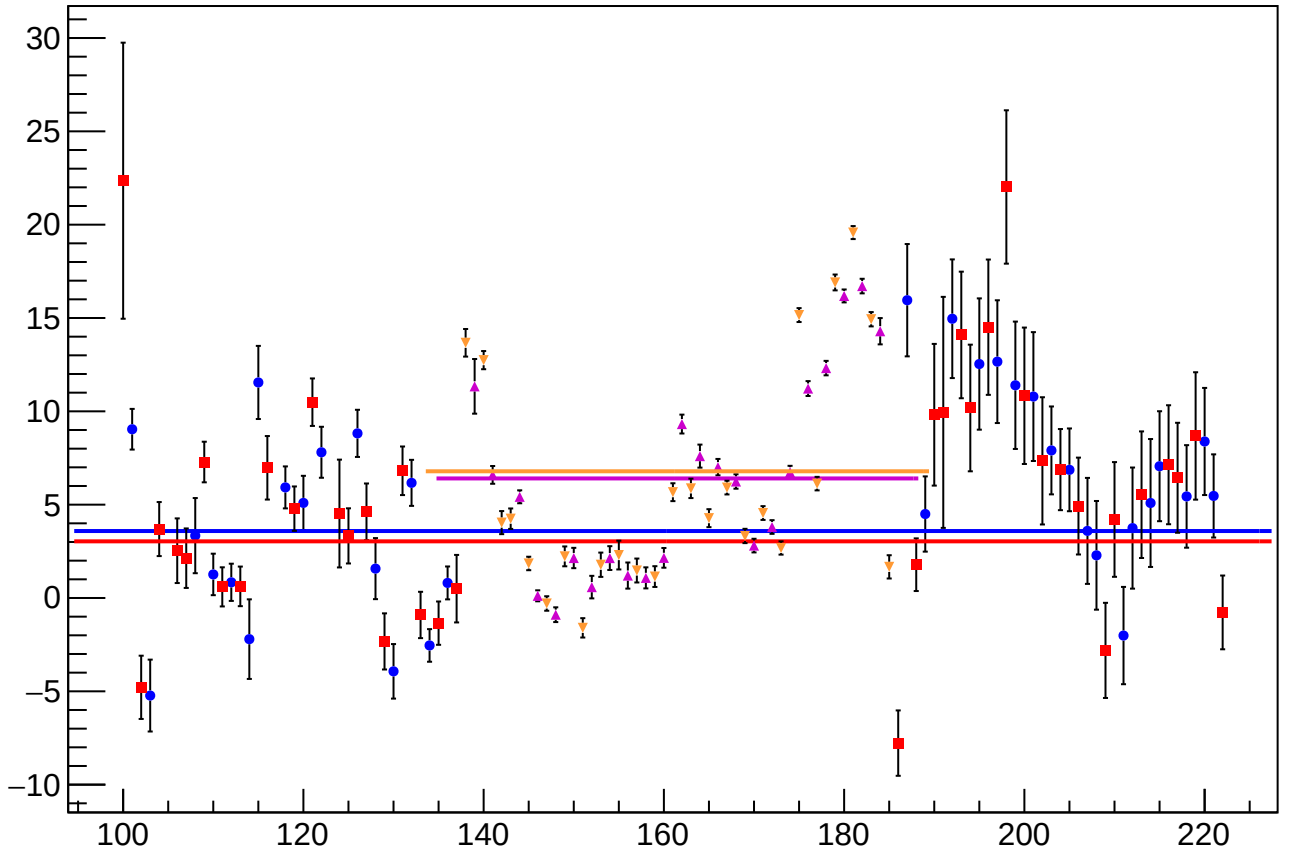
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -2.446+/-0.161 χ^2/NDF: 5371.4/71

In: -15.874+/-0.104 χ^2/NDF:13605.3/56

Out: -15.643+/-0.101 χ^2/NDF:19007.2/62

All: -15.755+/-0.072 χ^2/NDF: 32615.1/119



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: 3.035+/-0.285 χ^2/NDF: 260.3/37

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

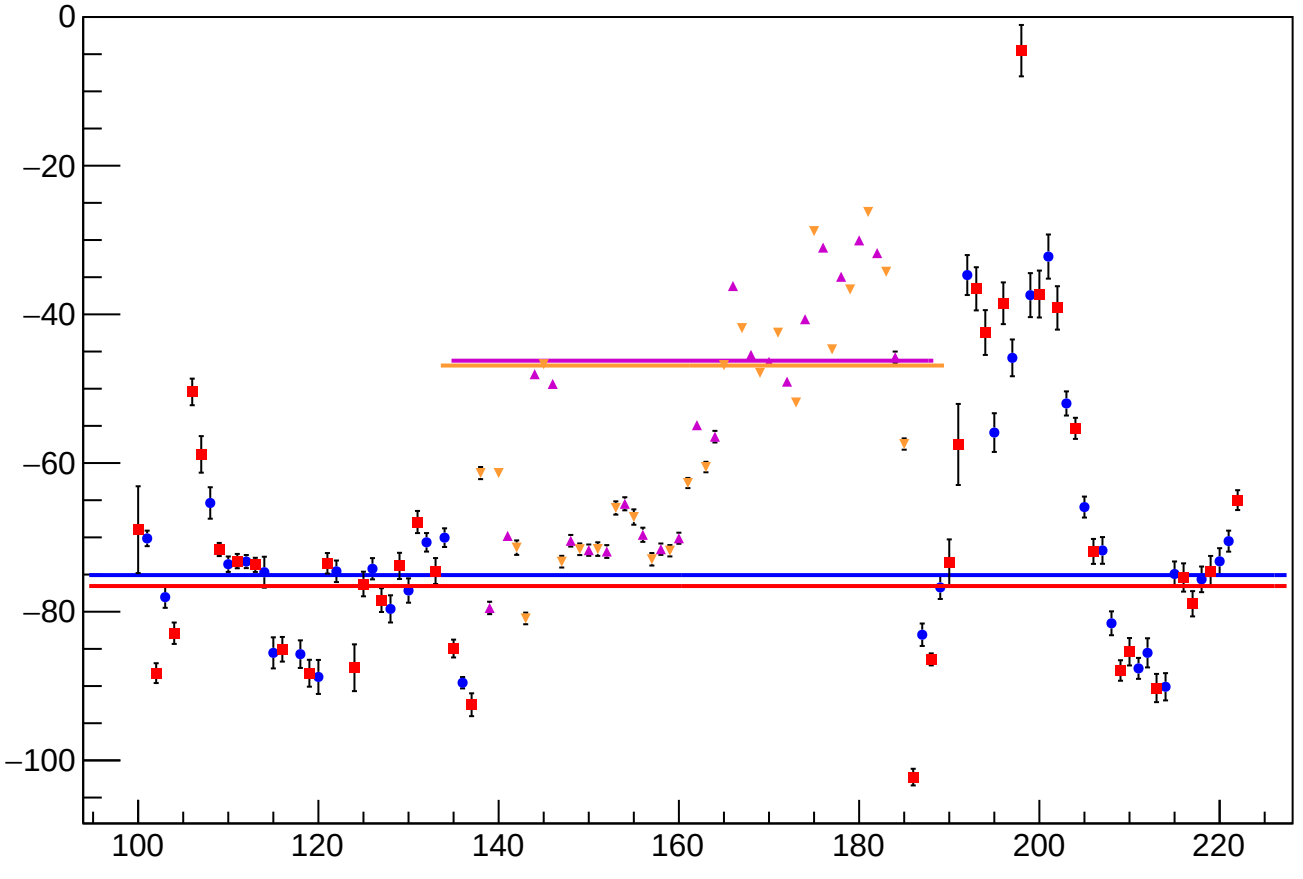
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.313+/-0.201 χ^2/NDF: 537.2/71

In: 6.139+/-0.087 χ^2/NDF:3775.3/56

Out: 6.447+/-0.086 χ^2/NDF:5050.2/62

All: 6.295+/-0.061 χ^2/NDF: 8831.9/119



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: -76.547+/-0.252 χ^2/NDF: 3091.6/37

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

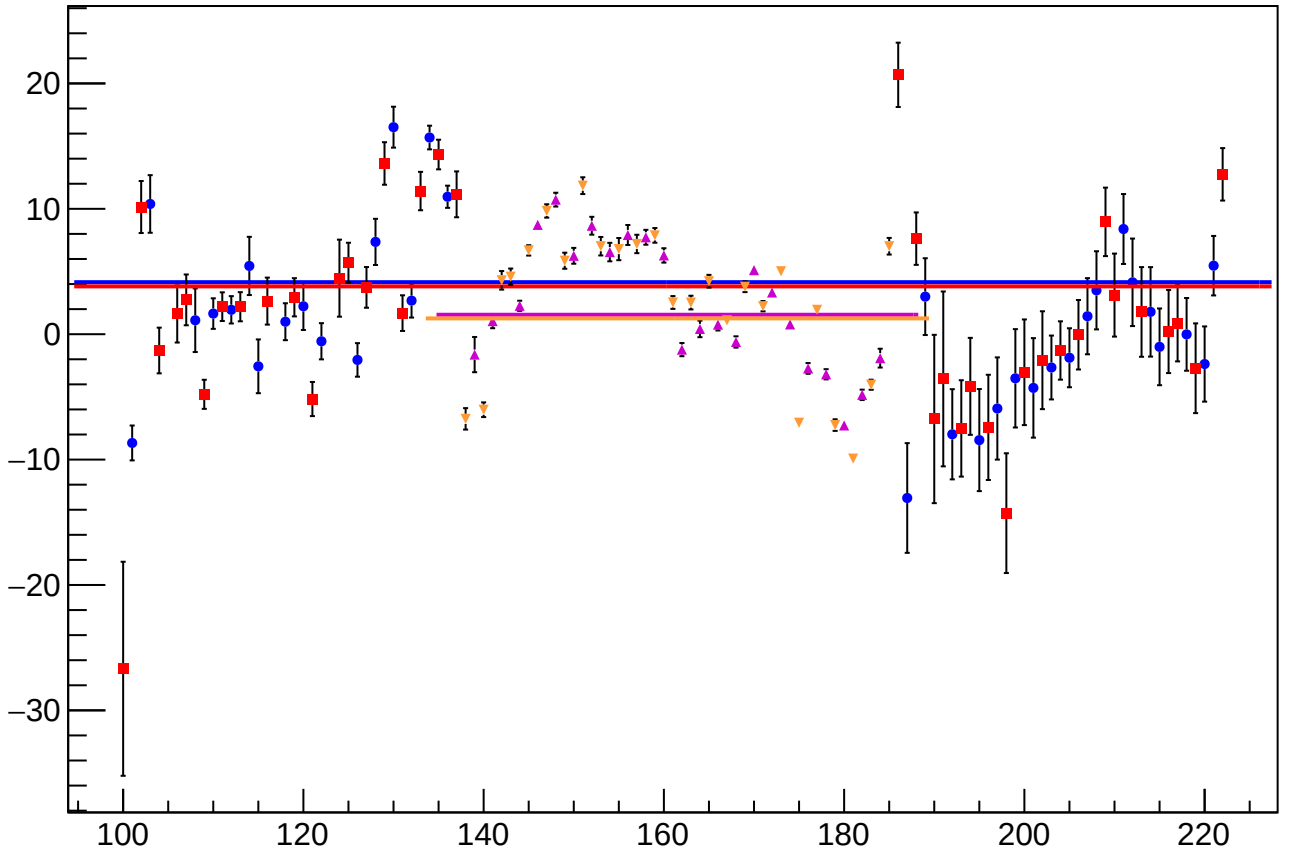
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

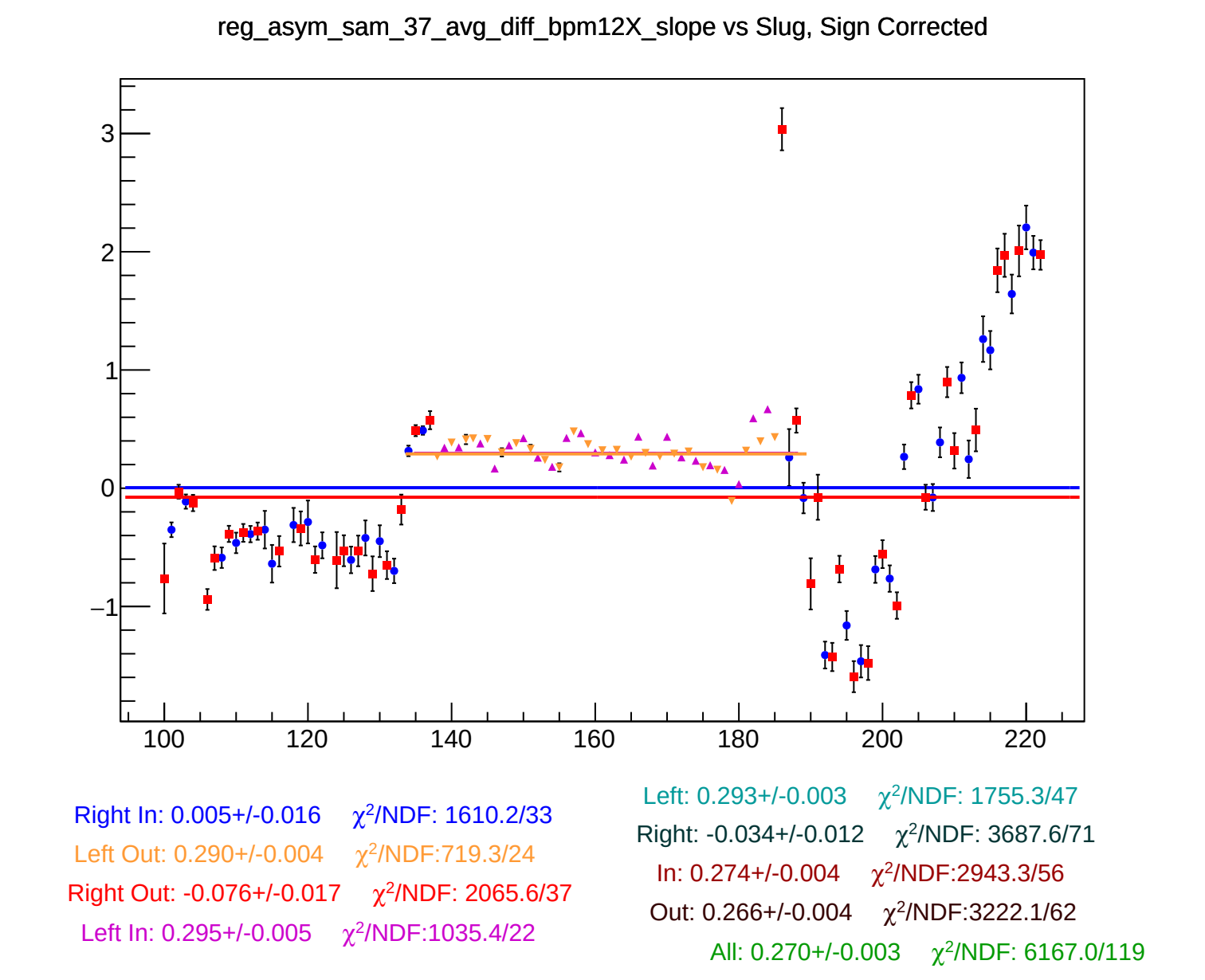
Right: -75.827+/-0.180 χ^2/NDF: 4920.1/71

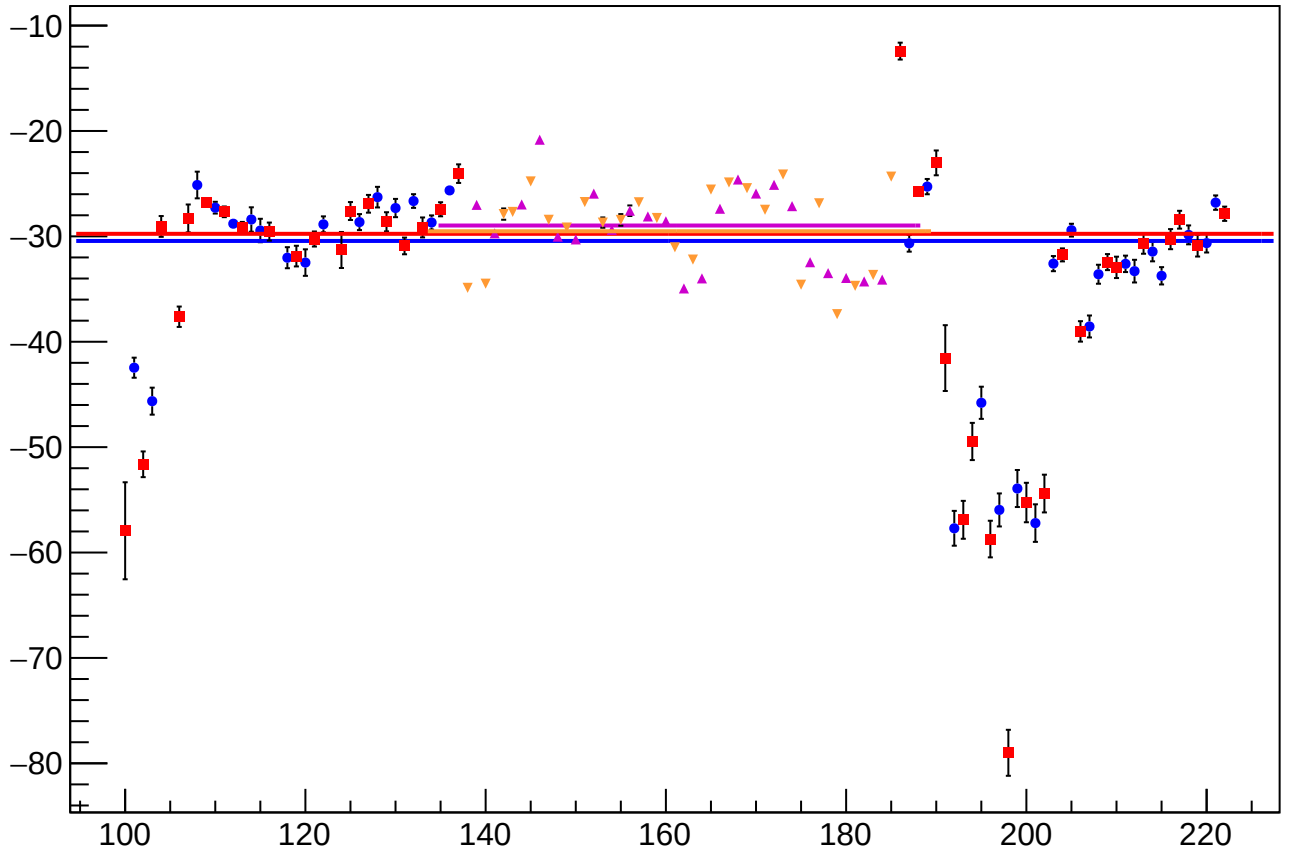
In: -51.113+/-0.106 χ^2/NDF:27396.7/56

Out: -51.917+/-0.104 χ^2/NDF:32577.5/62

All: -51.523+/-0.074 χ^2/NDF: 60003.6/119


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: 3.813+/-0.323 χ²/NDF: 415.5/37
Left In: 1.551+/-0.102 χ²/NDF:2335.7/22
Left: 1.404+/-0.072 χ²/NDF: 5785.4/47
Right: 3.985+/-0.226 χ²/NDF: 914.5/71
In: 1.796+/-0.097 χ²/NDF:2895.4/56
Out: 1.486+/-0.096 χ²/NDF:3917.9/62
All: 1.639+/-0.068 χ²/NDF: 6818.4/119


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: -0.076+/-0.017 χ²/NDF: 2065.6/37
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.034+/-0.012 χ²/NDF: 3687.6/71
In: 0.274+/-0.004 χ²/NDF:2943.3/56
Out: 0.266+/-0.004 χ²/NDF:3222.1/62
All: 0.270+/-0.003 χ²/NDF: 6167.0/119



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: -29.759+/-0.138 χ^2/NDF: 2818.1/37

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

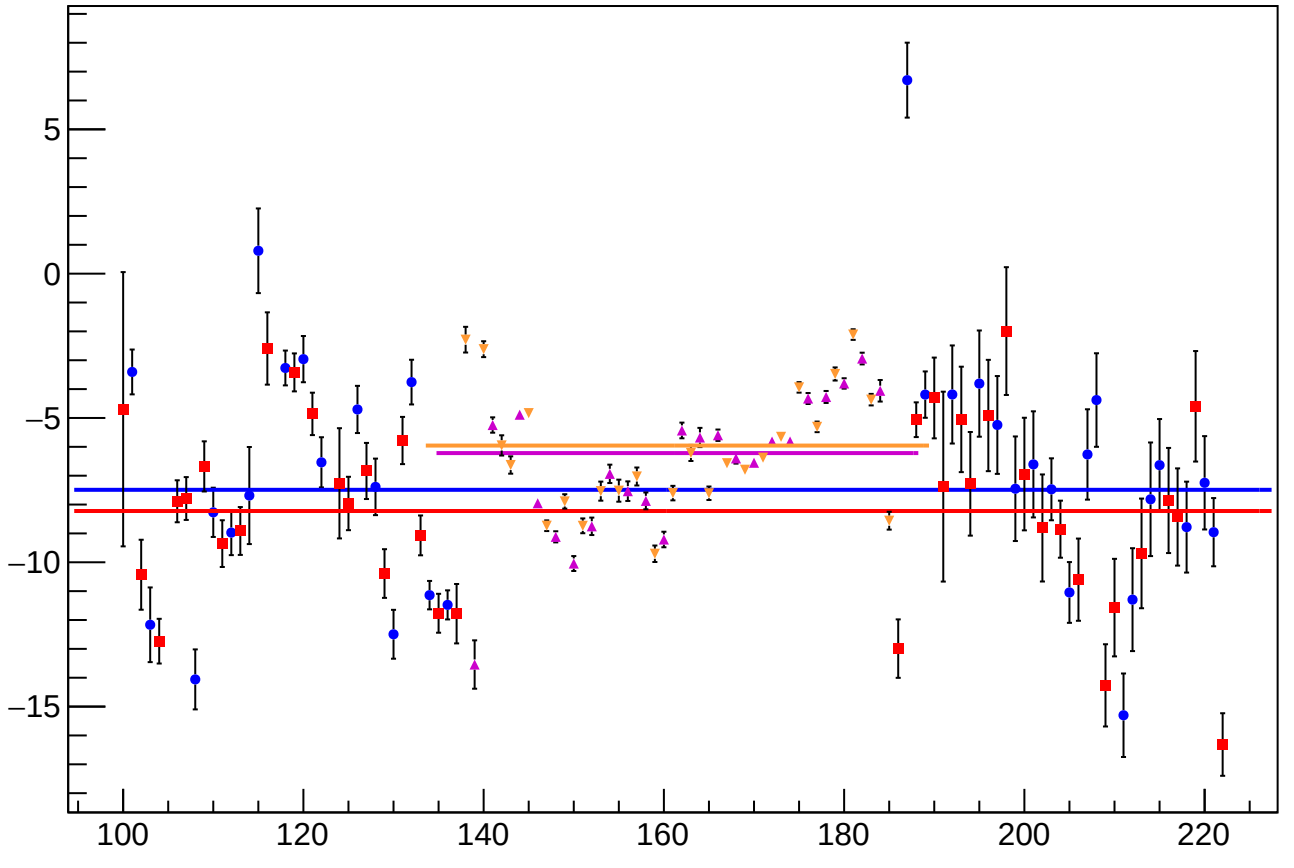
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.091+/-0.098 χ^2/NDF: 4643.9/71

In: -29.178+/-0.053 χ^2/NDF:7256.2/56

Out: -29.551+/-0.052 χ^2/NDF:8909.2/62

All: -29.367+/-0.037 χ^2/NDF: 16190.6/119



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: -8.224+/-0.166 χ^2/NDF: 355.0/37

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

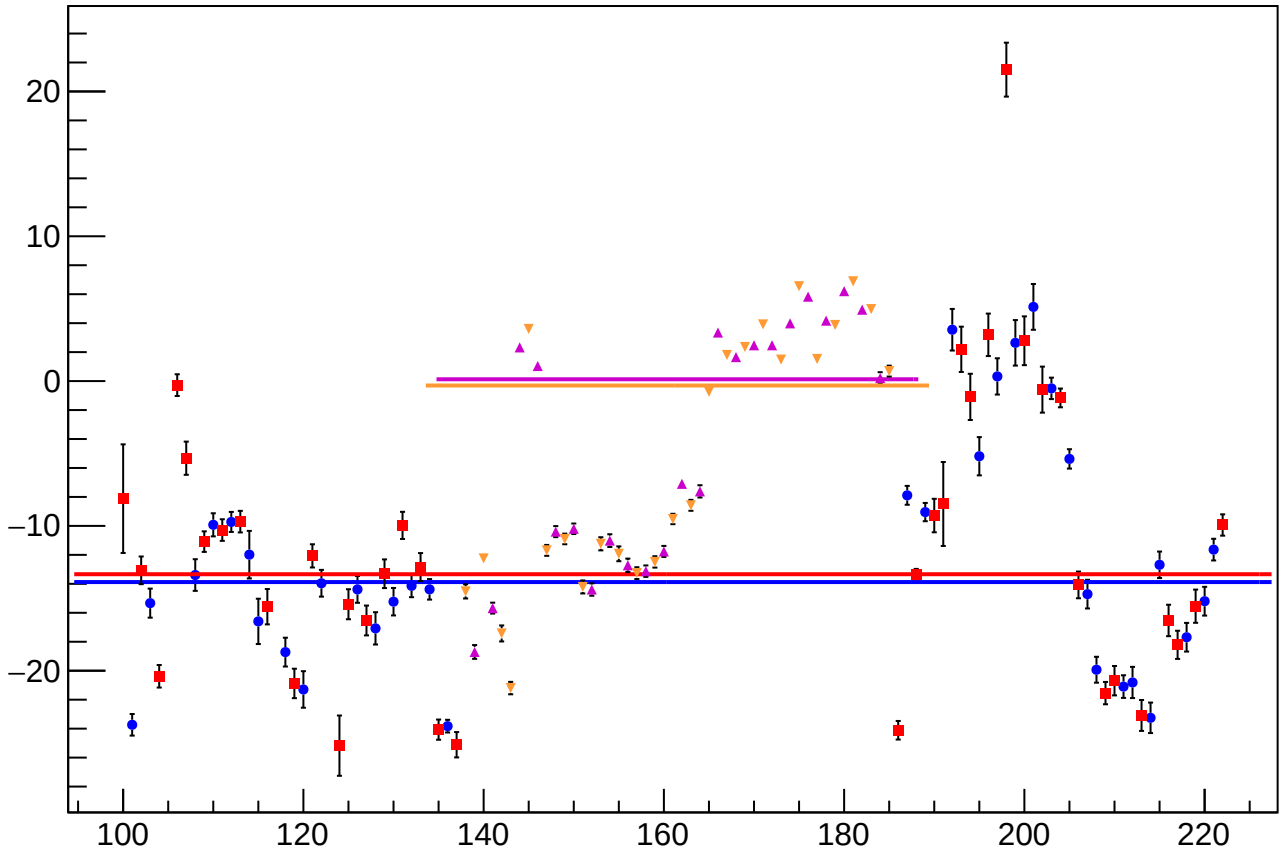
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.860+/-0.118 χ^2/NDF: 949.3/71

In: -6.299+/-0.043 χ^2/NDF:2380.1/56

Out: -6.108+/-0.043 χ^2/NDF:2386.8/62

All: -6.204+/-0.030 χ^2/NDF: 4776.9/119



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: -13.337+/-0.144 χ^2/NDF: 2774.2/37

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

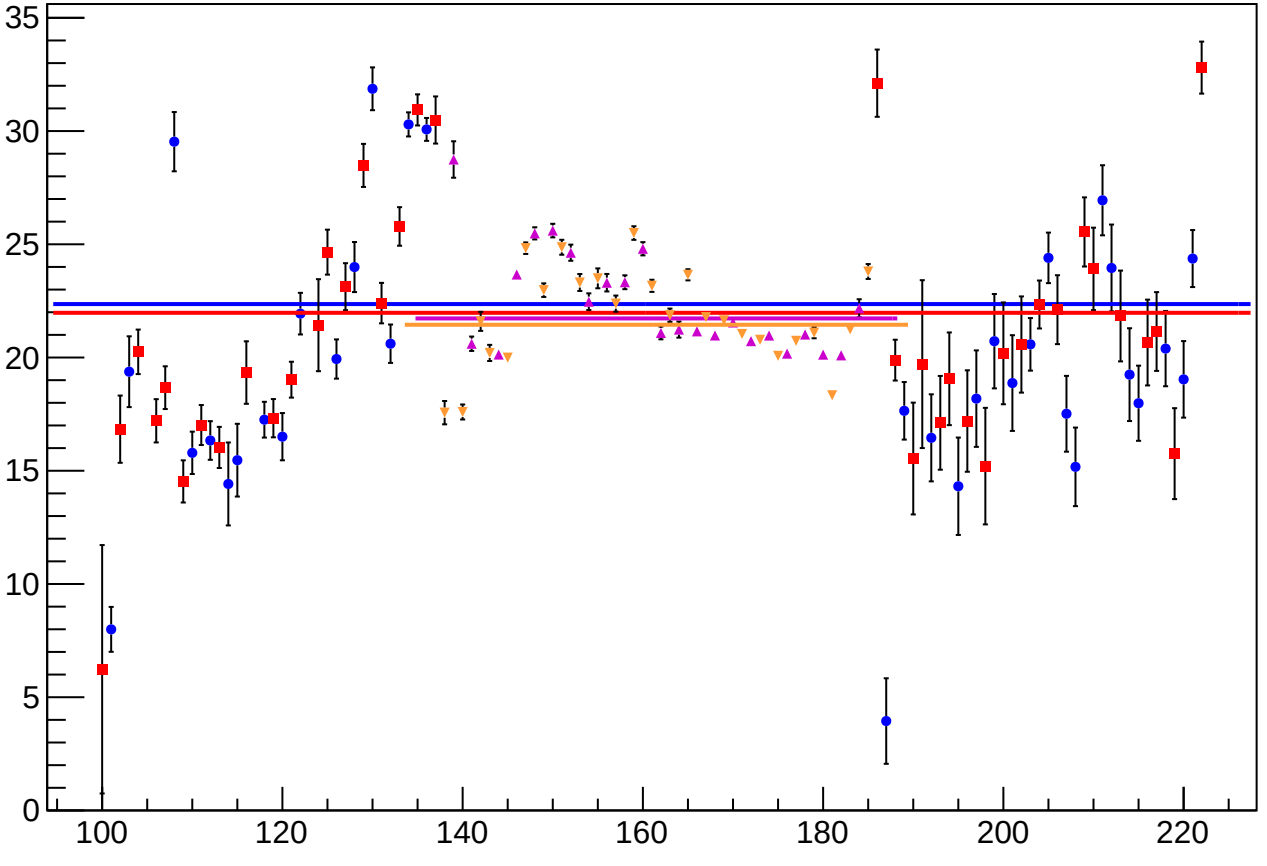
Right: -13.599+/-0.104 χ^2/NDF: 5093.7/71

In: -1.659+/-0.053 χ^2/NDF:23837.7/56

Out: -2.042+/-0.053 χ^2/NDF:27029.5/62

All: -1.853+/-0.037 χ^2/NDF: 50893.5/119

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 21.975+/-0.193 χ^2/NDF: 744.6/37

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

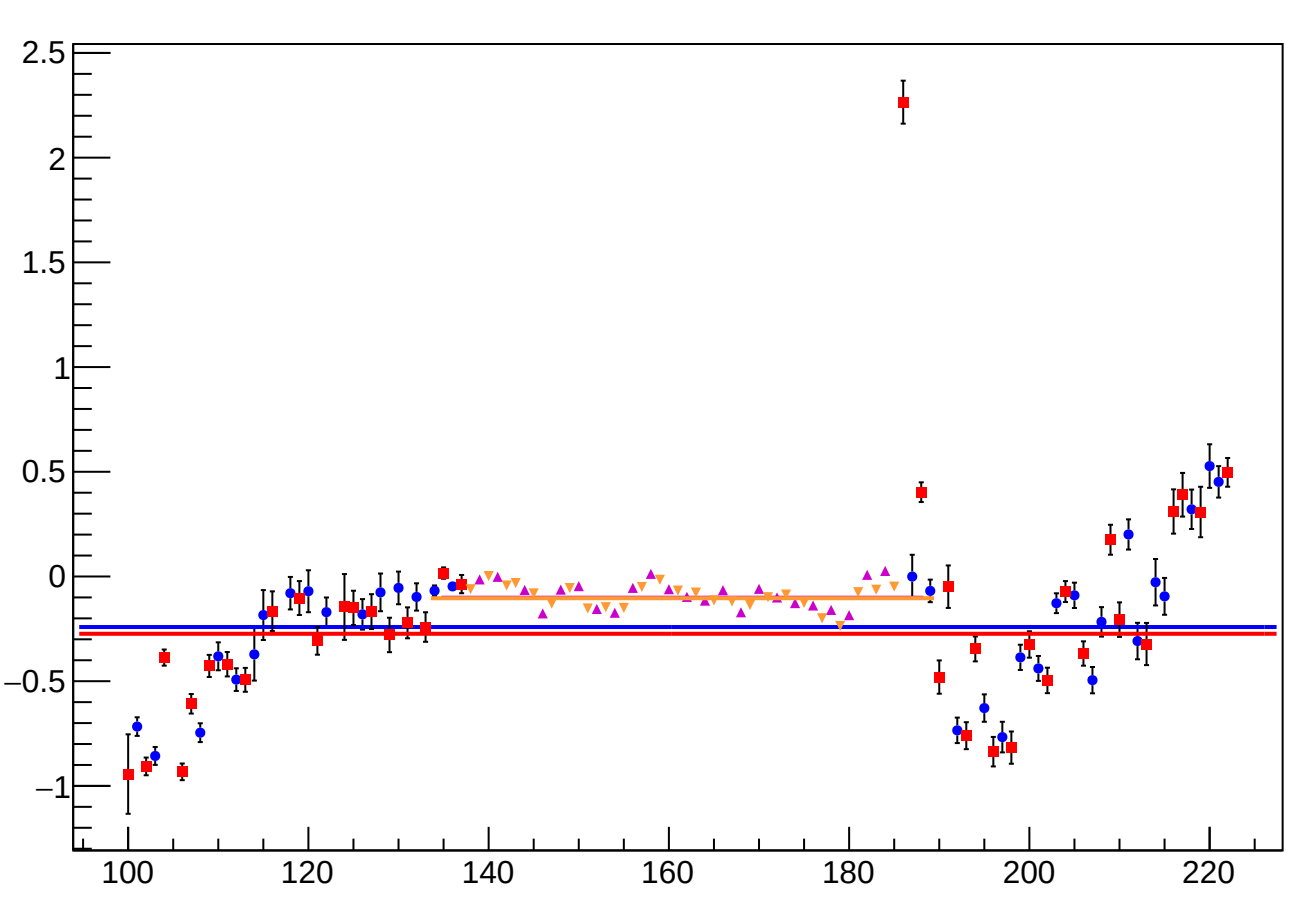
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.171+/-0.135 χ^2/NDF: 1967.3/71

In: 21.766+/-0.048 χ^2/NDF:2404.9/56

Out: 21.480+/-0.048 χ^2/NDF:2076.9/62

All: 21.623+/-0.034 χ^2/NDF: 4499.6/119



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: -0.274+/-0.010 χ^2/NDF: 2051.8/37

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

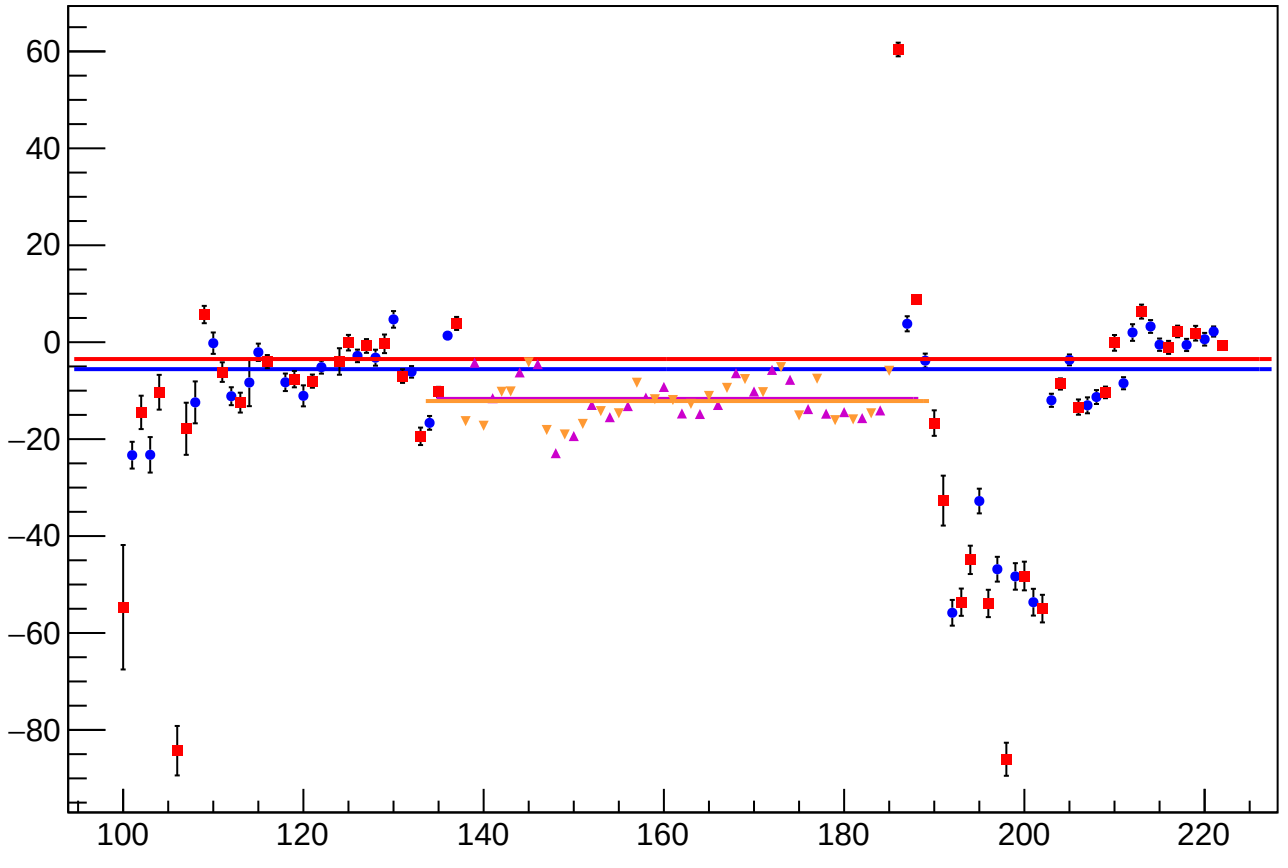
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.257+/-0.007 χ^2/NDF: 3125.0/71

In: -0.109+/-0.002 χ^2/NDF:2032.1/56

Out: -0.112+/-0.002 χ^2/NDF:2884.2/62

All: -0.110+/-0.002 χ^2/NDF: 4917.4/119



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: -3.476+/-0.265 χ^2/NDF: 5016.5/37

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

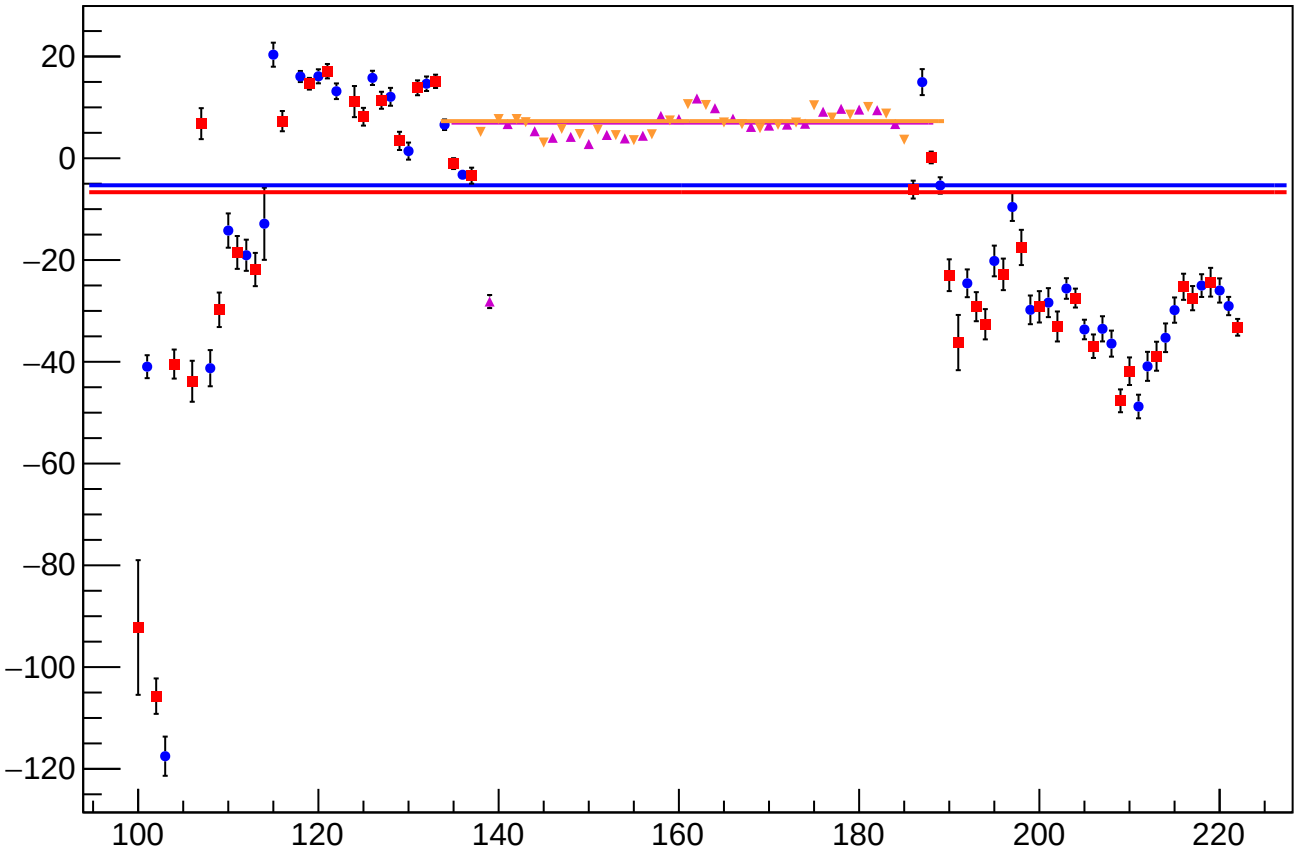
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.544+/-0.185 χ^2/NDF: 6907.5/71

In: -10.979+/-0.089 χ^2/NDF:4306.9/56

Out: -11.220+/-0.086 χ^2/NDF:8101.8/62

All: -11.102+/-0.062 χ^2/NDF: 12412.5/119



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: -6.670+/-0.329 χ^2/NDF: 4367.9/37

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

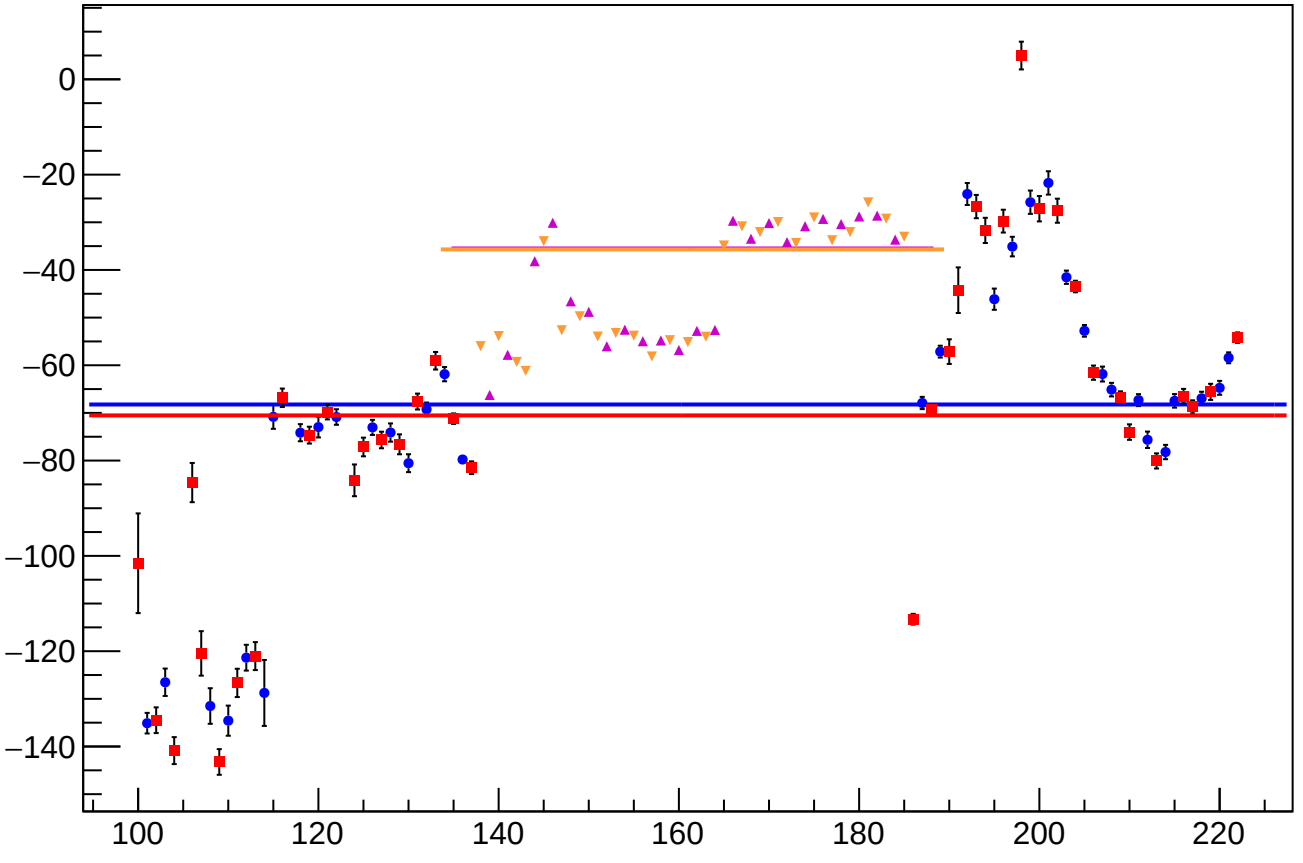
Right: -5.962+/-0.228 χ^2/NDF: 9089.8/71

In: 6.330+/-0.074 χ^2/NDF:7725.7/56

Out: 6.610+/-0.073 χ^2/NDF:6899.9/62

All: 6.472+/-0.052 χ^2/NDF: 14632.9/119

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.233+/-0.270 χ^2/NDF: 5098.5/33

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -70.526+/-0.272 χ^2/NDF: 7235.1/37

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

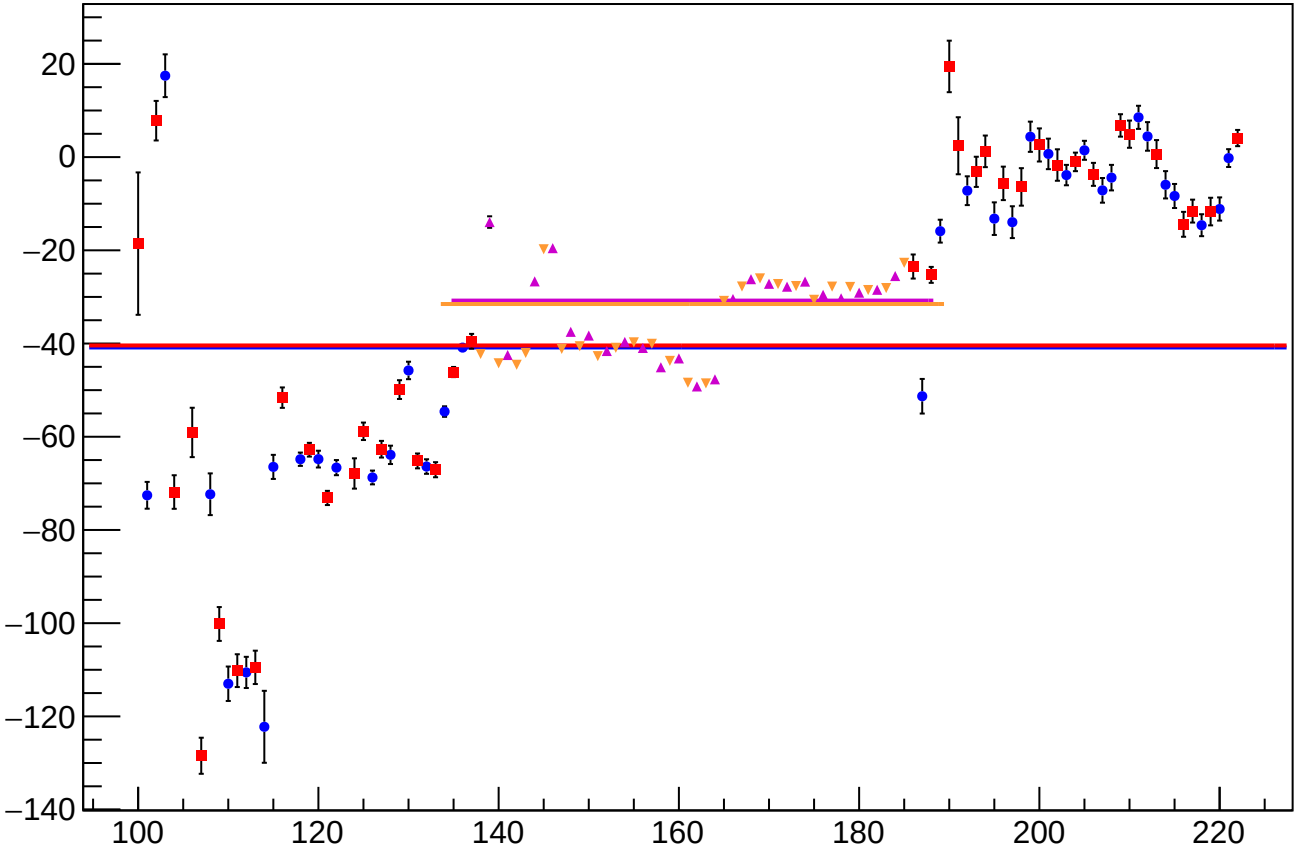
Right: -69.373+/-0.192 χ^2/NDF: 12369.4/71

In: -39.073+/-0.089 χ^2/NDF:29346.2/56

Out: -39.291+/-0.087 χ^2/NDF:34758.1/62

All: -39.184+/-0.062 χ^2/NDF: 64107.4/119

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: -40.414+/-0.374 χ^2/NDF: 6795.2/37

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

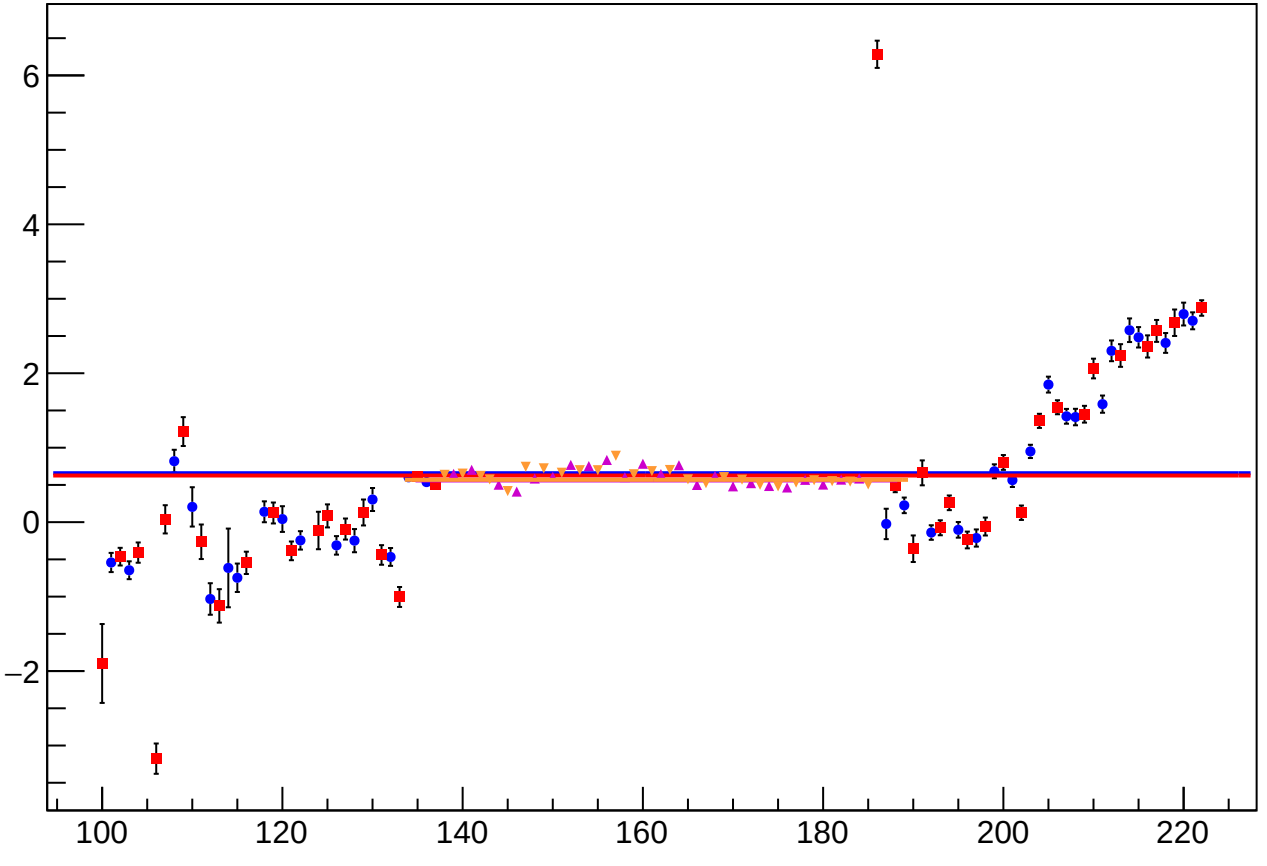
Right: -40.642+/-0.256 χ^2/NDF: 13176.1/71

In: -31.336+/-0.082 χ^2/NDF:14702.7/56

Out: -31.934+/-0.081 χ^2/NDF:15790.9/62

All: -31.639+/-0.058 χ^2/NDF: 30520.6/119

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.657+/-0.017 χ^2/NDF: 2277.0/33

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.626+/-0.019 χ^2/NDF: 3542.0/37

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

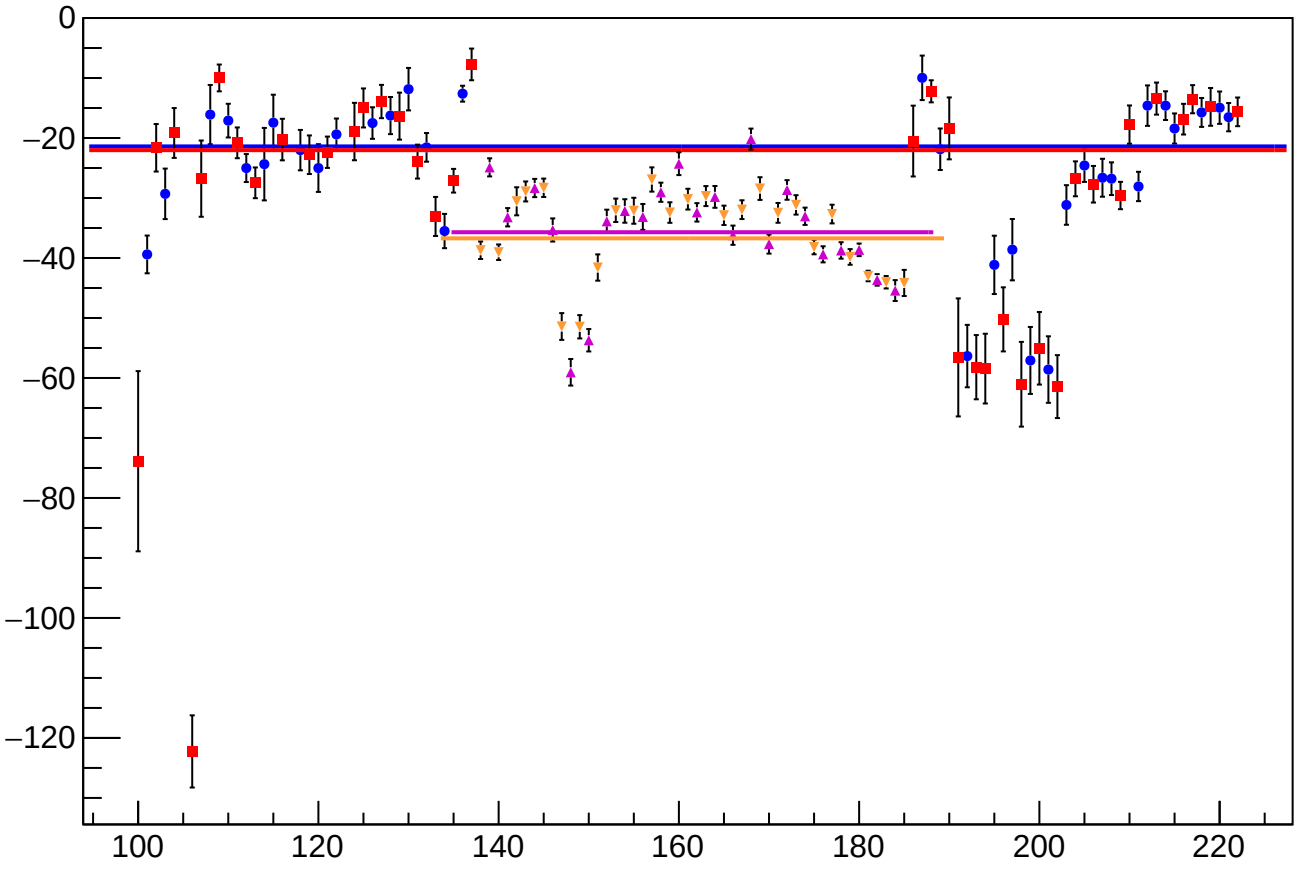
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.643+/-0.013 χ^2/NDF: 5820.5/71

In: 0.564+/-0.004 χ^2/NDF:2978.4/56

Out: 0.570+/-0.004 χ^2/NDF:4105.8/62

All: 0.567+/-0.003 χ^2/NDF: 7085.7/119



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: -22.028+/-0.514 χ^2/NDF: 718.3/37

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

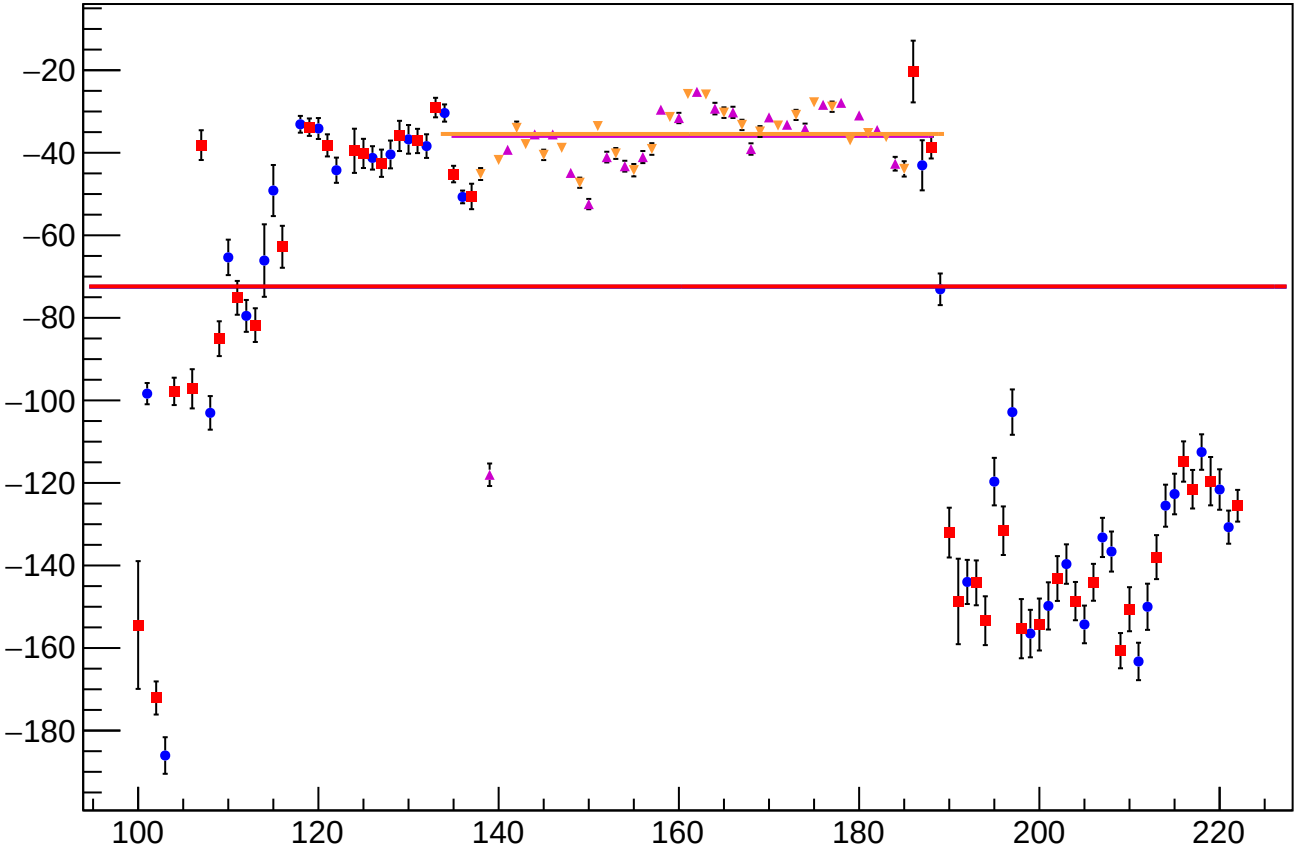
Right: -21.708+/-0.360 χ^2/NDF: 1065.6/71

In: -31.530+/-0.272 χ^2/NDF:1497.1/56

Out: -32.800+/-0.266 χ^2/NDF:1738.3/62

All: -32.180+/-0.190 χ^2/NDF: 3246.6/119

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -72.384+/-0.625 χ^2/NDF: 5416.8/37

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

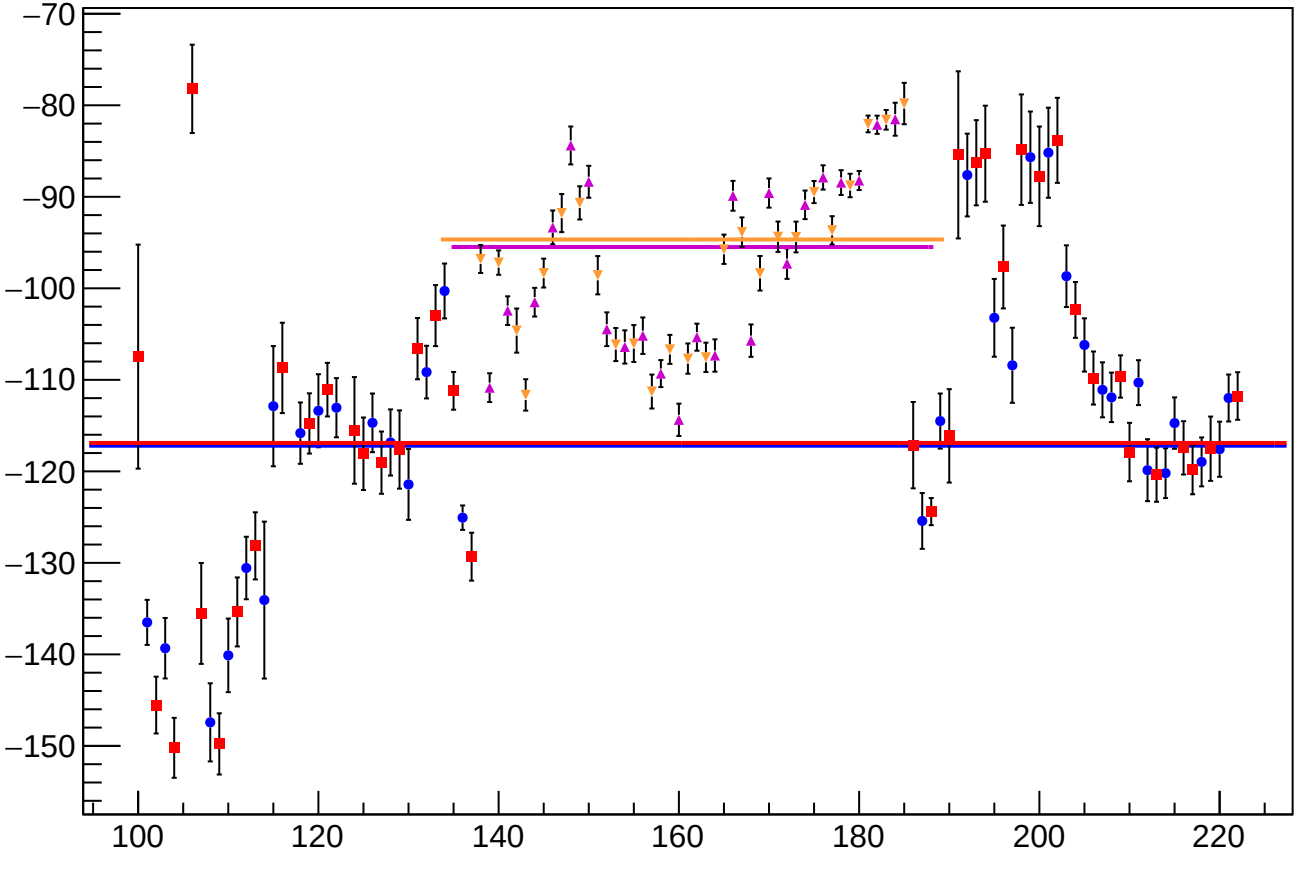
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -72.421+/-0.434 χ^2/NDF: 10763.0/71

In: -41.490+/-0.236 χ^2/NDF:9995.9/56

Out: -40.363+/-0.228 χ^2/NDF:8985.9/62

All: -40.907+/-0.164 χ^2/NDF: 18993.6/119



Right In: -117.196+/-0.526 χ^2/NDF: 503.4/33

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.898+/-0.538 χ^2/NDF: 747.4/37

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

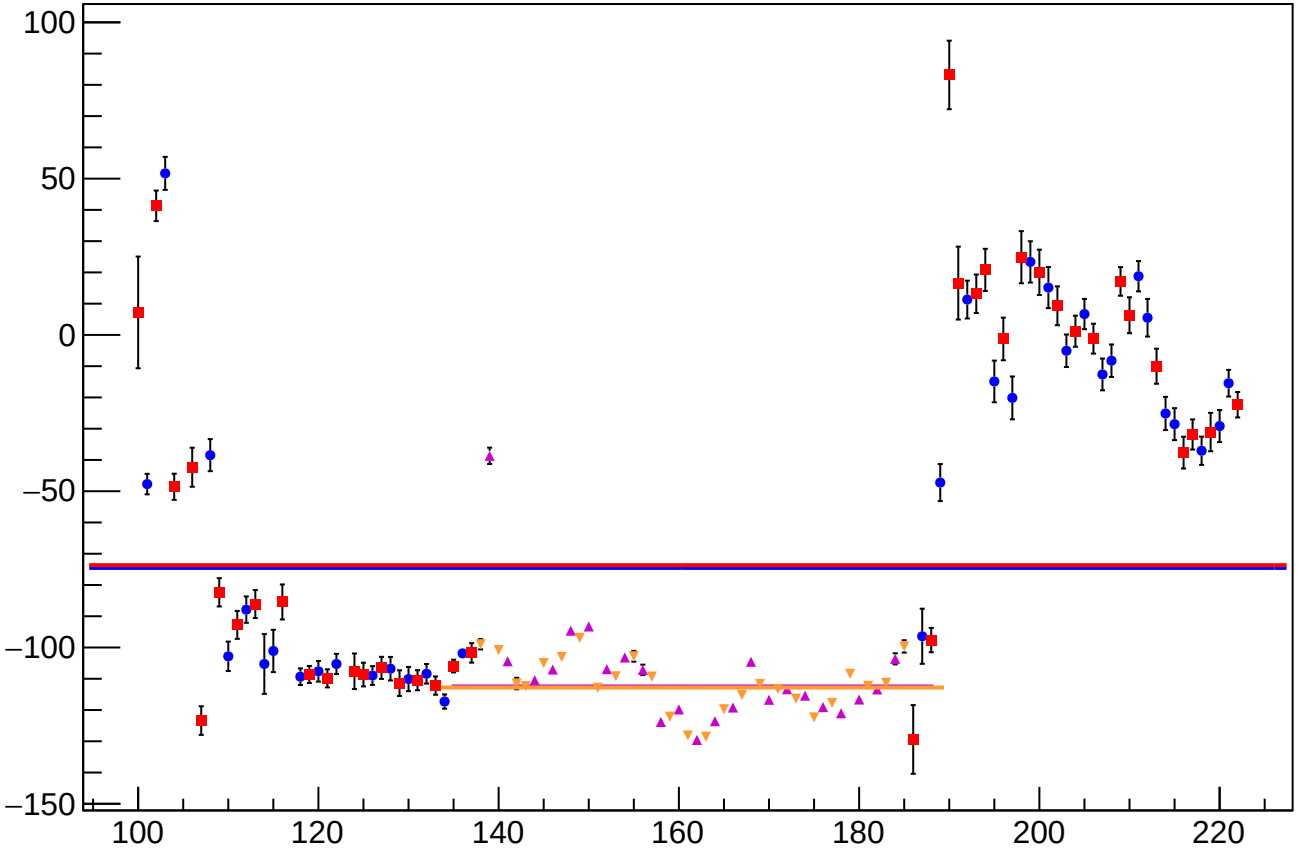
Right: -117.050+/-0.376 χ^2/NDF: 1250.9/71

In: -101.381+/-0.274 χ^2/NDF:2713.3/56

Out: -100.203+/-0.268 χ^2/NDF:2930.6/62

All: -100.779+/-0.192 χ^2/NDF: 5653.4/119

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.536+/-0.676 χ^2/NDF: 4792.3/33

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -73.657+/-0.709 χ^2/NDF: 4861.6/37

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

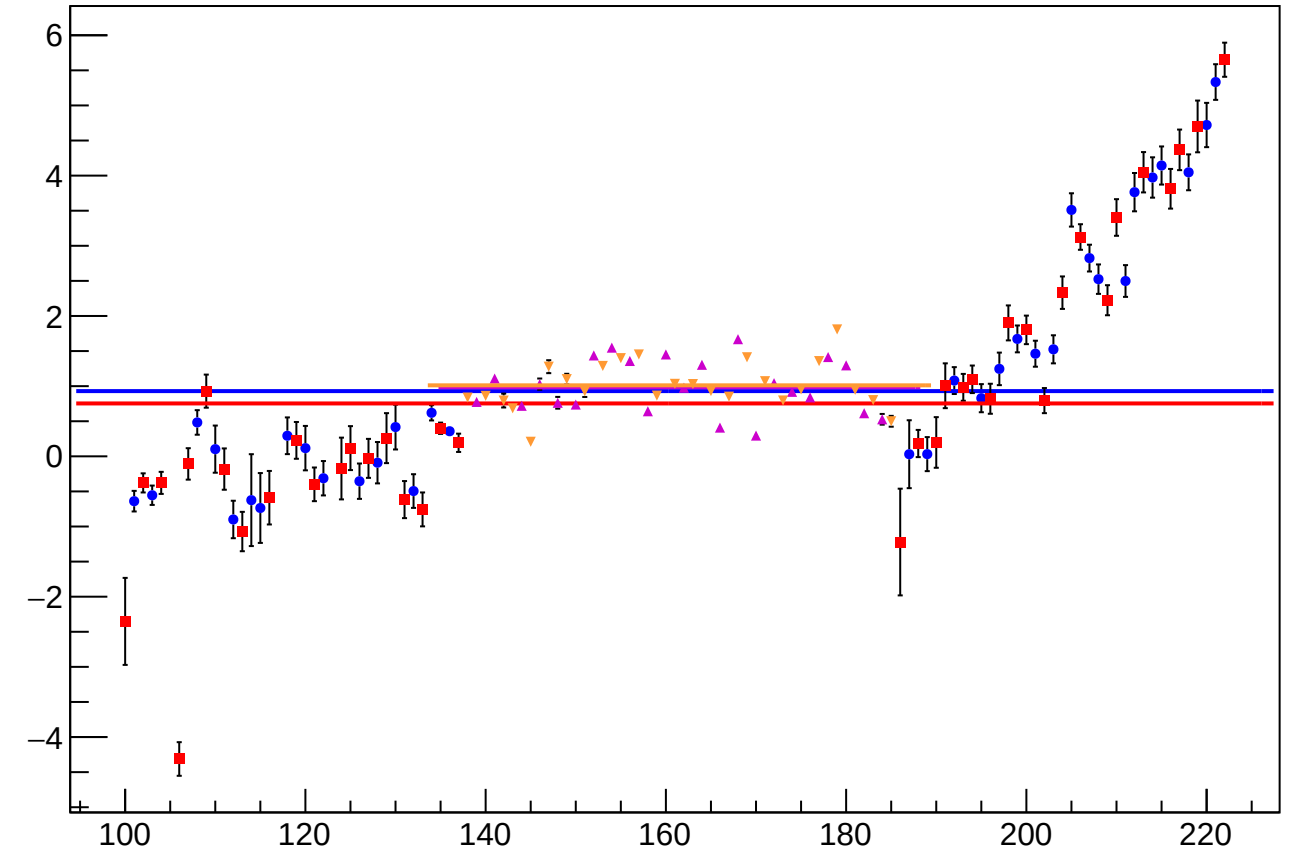
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -74.117+/-0.489 χ^2/NDF: 9654.7/71

In: -106.744+/-0.262 χ^2/NDF:9255.8/56

Out: -107.706+/-0.256 χ^2/NDF:8449.4/62

All: -107.238+/-0.183 χ^2/NDF: 17712.1/119



Right In: 0.929+/-0.033 χ^2/NDF: 1837.9/33

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.754+/-0.035 χ^2/NDF: 2185.0/37

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

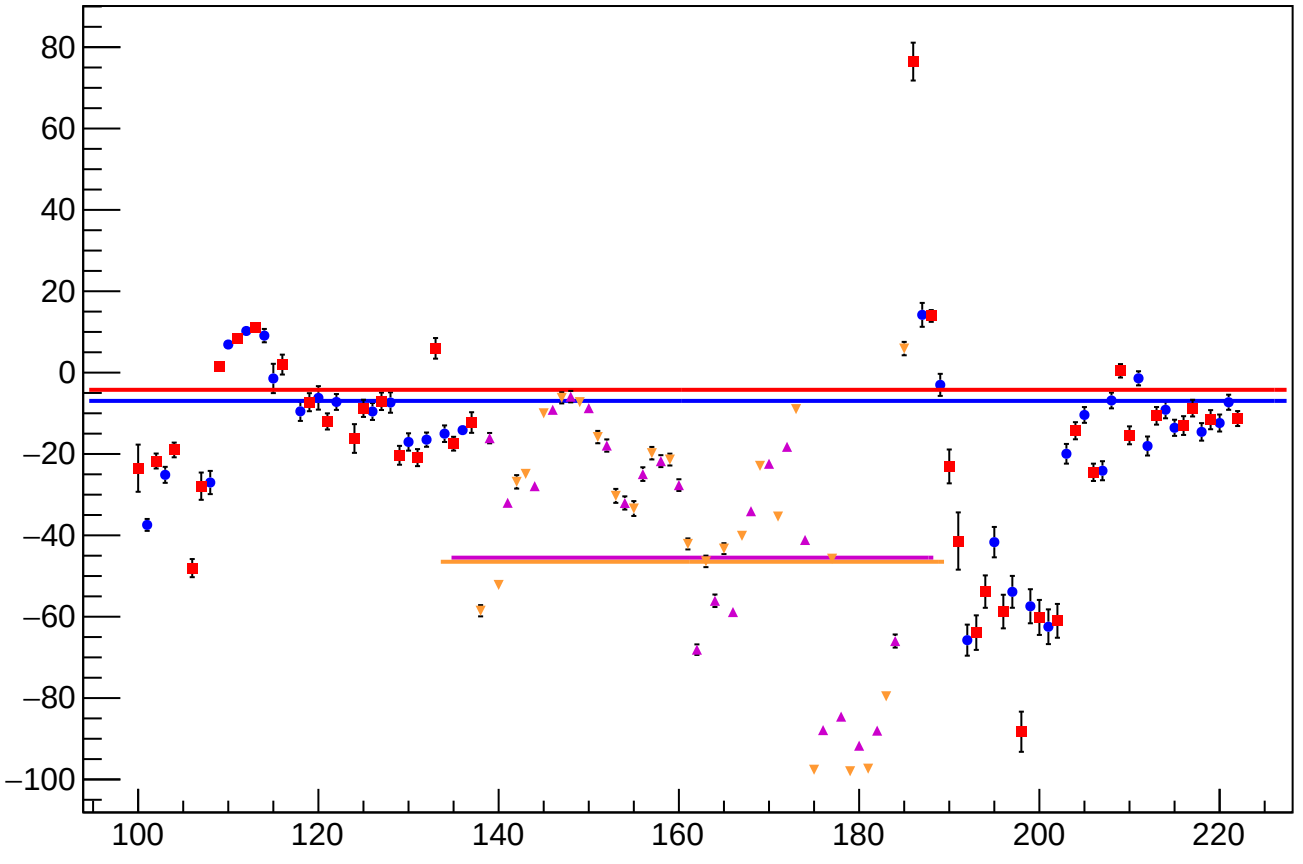
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.846+/-0.024 χ^2/NDF: 4036.5/71

In: 0.977+/-0.012 χ^2/NDF:2740.3/56

Out: 0.983+/-0.012 χ^2/NDF:2925.6/62

All: 0.980+/-0.008 χ^2/NDF: 5666.1/119



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: -4.227+/-0.291 χ^2/NDF: 3467.1/37

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

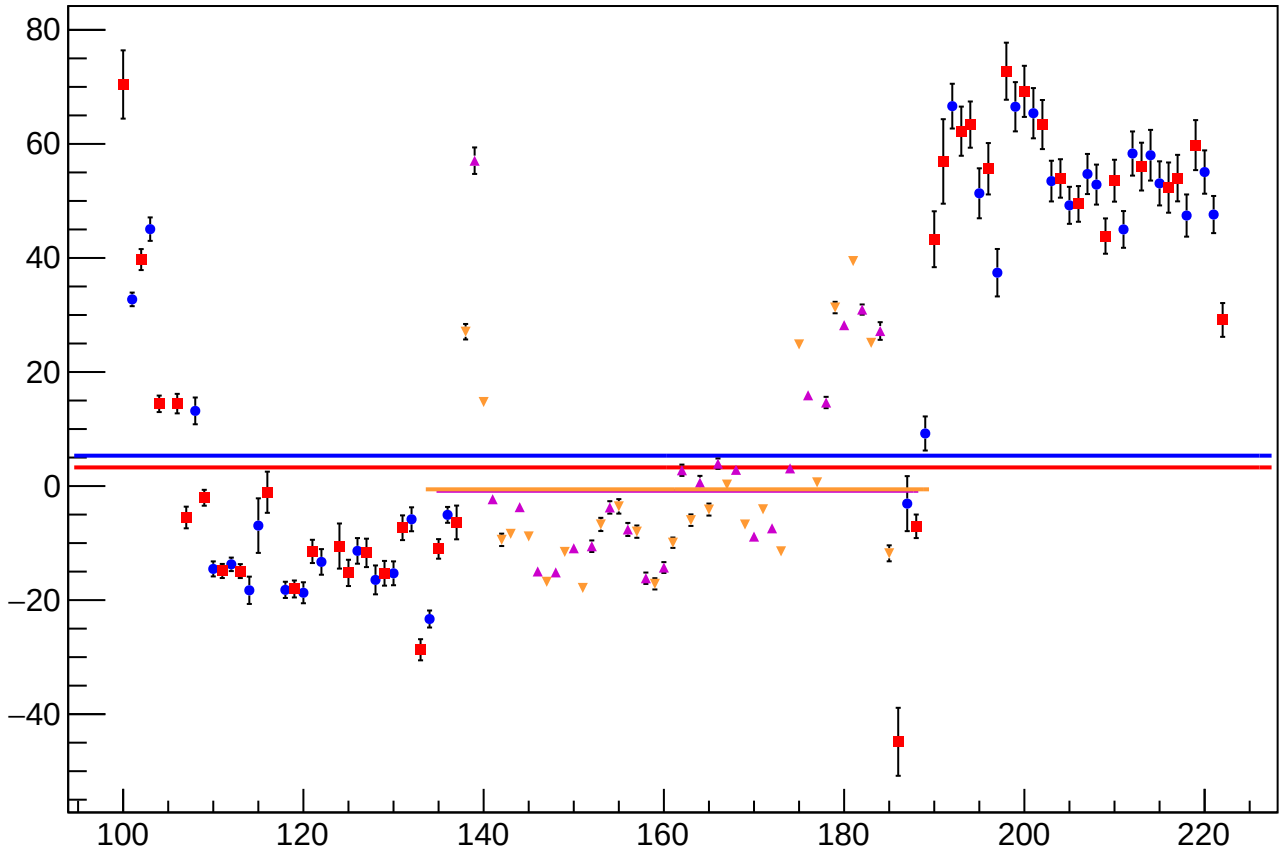
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.492+/-0.213 χ^2/NDF: 6104.8/71

In: -31.373+/-0.189 χ^2/NDF:27795.3/56

Out: -30.247+/-0.181 χ^2/NDF:36484.4/62

All: -30.784+/-0.131 χ^2/NDF: 64298.2/119



Right In: 5.330+/-0.387 χ^2/NDF: 5344.9/33

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 3.271+/-0.379 χ^2/NDF: 4777.9/37

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

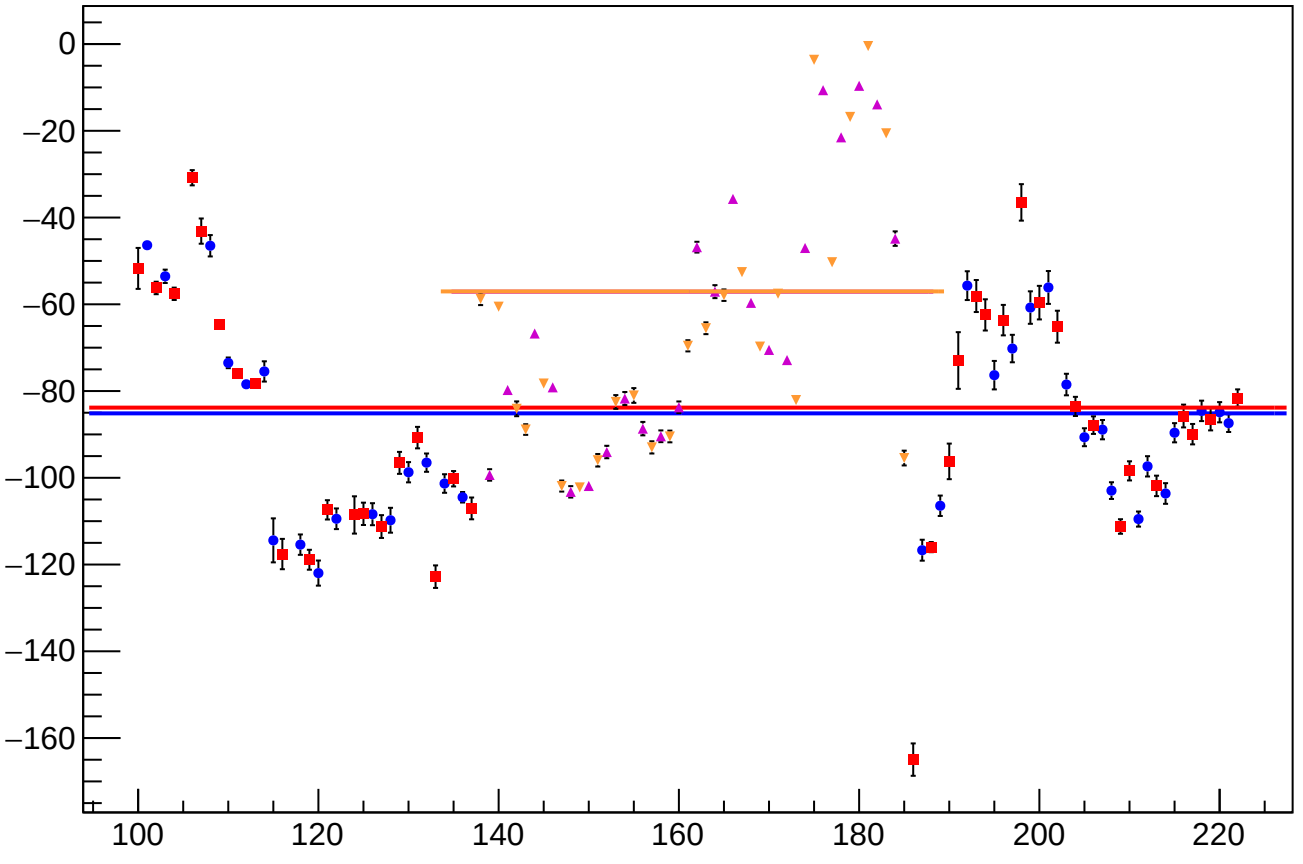
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 4.280+/-0.271 χ^2/NDF: 10137.2/71

In: 0.297+/-0.165 χ^2/NDF:11668.4/56

Out: 0.116+/-0.161 χ^2/NDF:13313.6/62

All: 0.204+/-0.115 χ^2/NDF: 24982.6/119



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: -83.821+/-0.334 χ^2/NDF: 5298.9/37

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

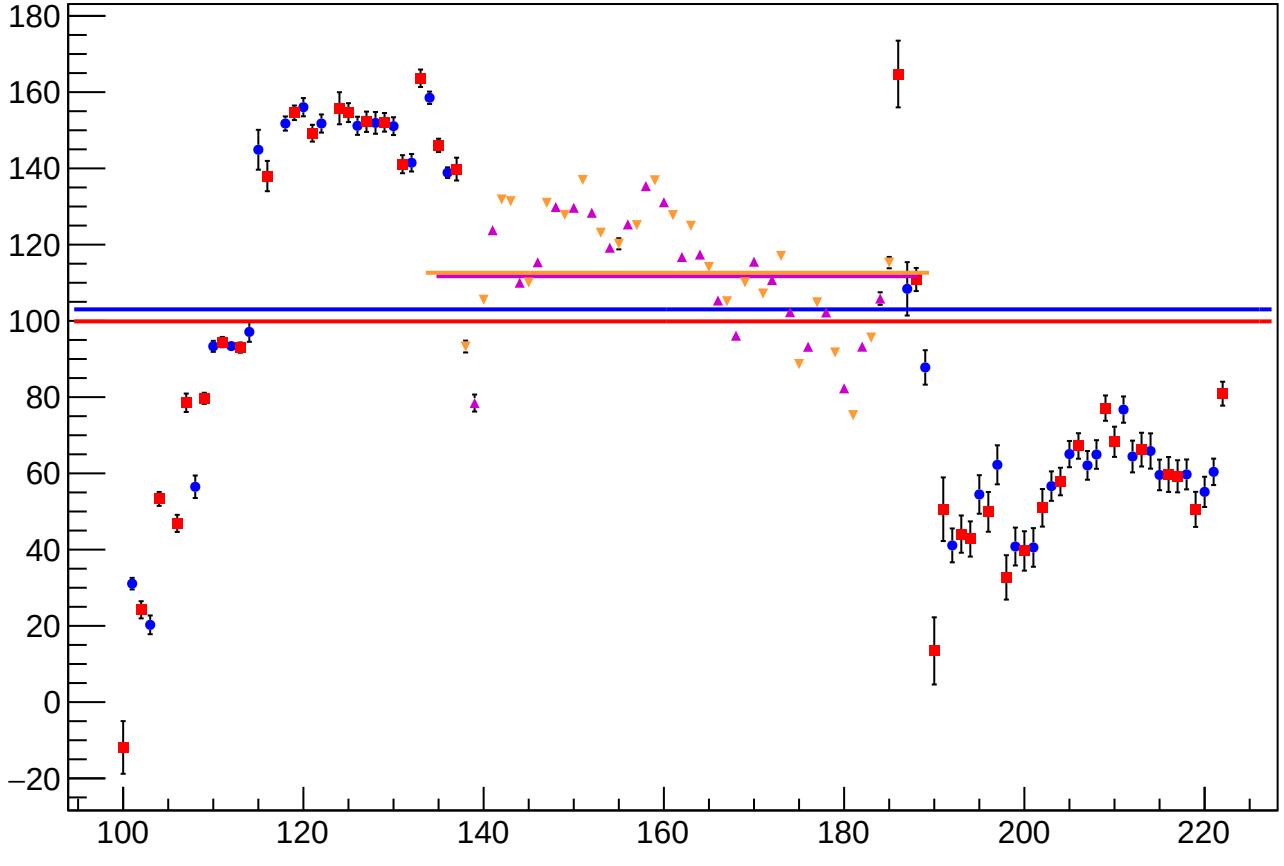
Right: -84.460+/-0.240 χ^2/NDF: 9115.2/71

In: -66.021+/-0.195 χ^2/NDF:25452.3/56

Out: -65.649+/-0.189 χ^2/NDF:29978.9/62

All: -65.829+/-0.136 χ^2/NDF: 55433.1/119

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 103.020+/-0.438 χ^2/NDF: 10533.4/33

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 99.866+/-0.432 χ^2/NDF: 9460.6/37

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

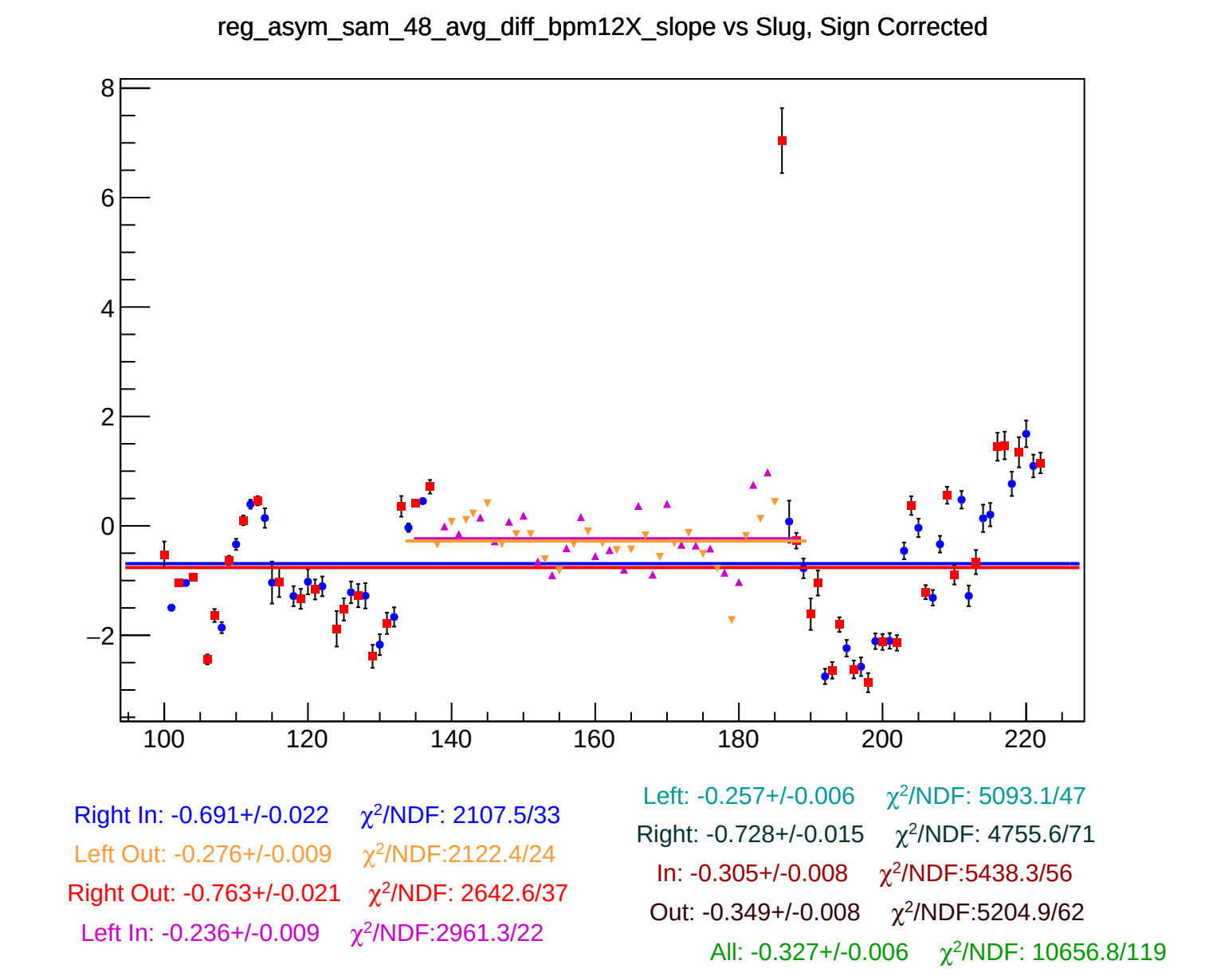
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 101.421+/-0.308 χ^2/NDF: 20020.2/71

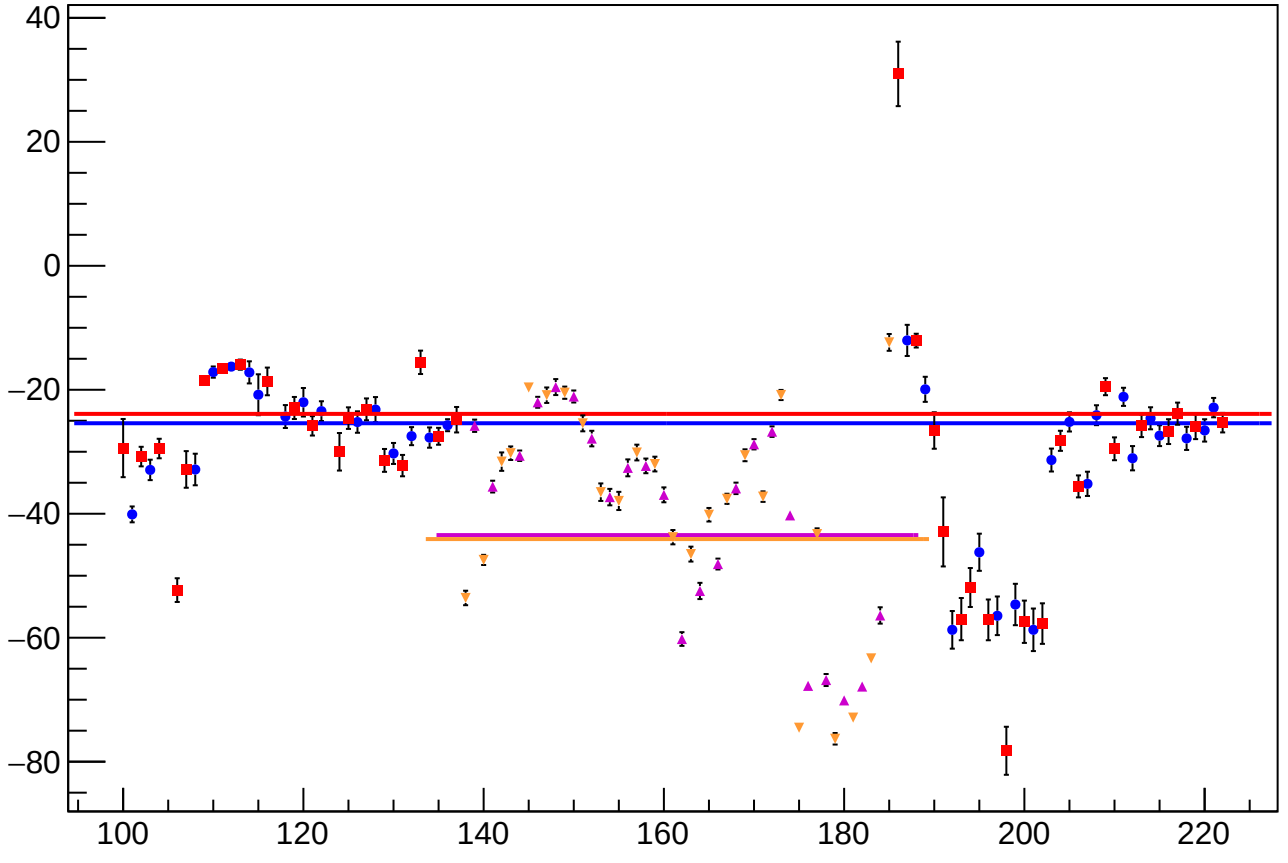
In: 110.144+/-0.186 χ^2/NDF:15753.3/56

Out: 110.374+/-0.181 χ^2/NDF:16887.0/62

All: 110.262+/-0.130 χ^2/NDF: 32641.1/119


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.691+/-0.022 χ²/NDF: 2107.5/33
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.763+/-0.021 χ²/NDF: 2642.6/37
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.728+/-0.015 χ²/NDF: 4755.6/71
In: -0.305+/-0.008 χ²/NDF:5438.3/56
Out: -0.349+/-0.008 χ²/NDF:5204.9/62
All: -0.327+/-0.006 χ²/NDF: 10656.8/119

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -23.891+/-0.265 χ^2/NDF: 1562.8/37

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

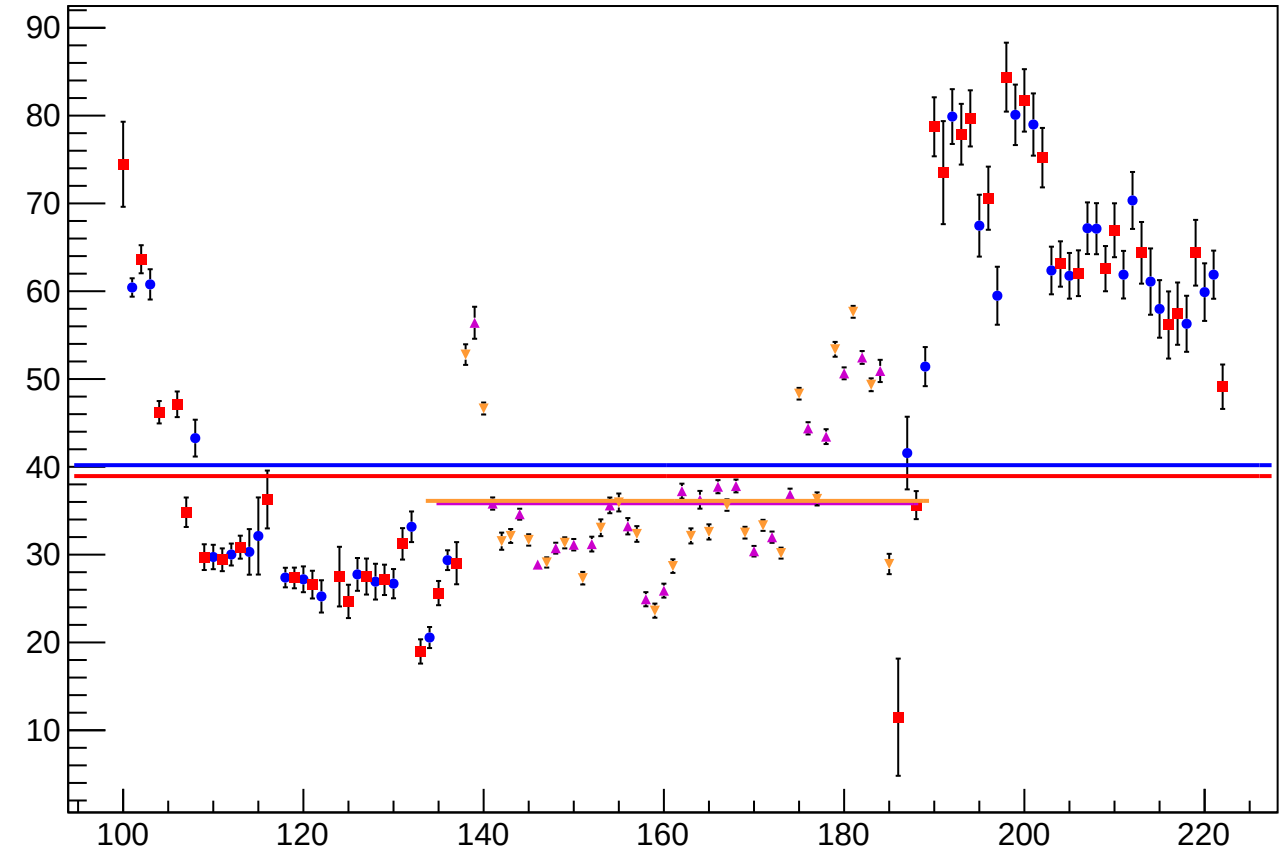
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.609+/-0.192 χ^2/NDF: 2545.0/71

In: -37.353+/-0.162 χ^2/NDF:11570.5/56

Out: -37.093+/-0.156 χ^2/NDF:15694.5/62

All: -37.218+/-0.112 χ^2/NDF: 27266.4/119



Right In: 40.189+/-0.333 χ^2/NDF: 2640.3/33

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.946+/-0.329 χ^2/NDF: 2589.0/37

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

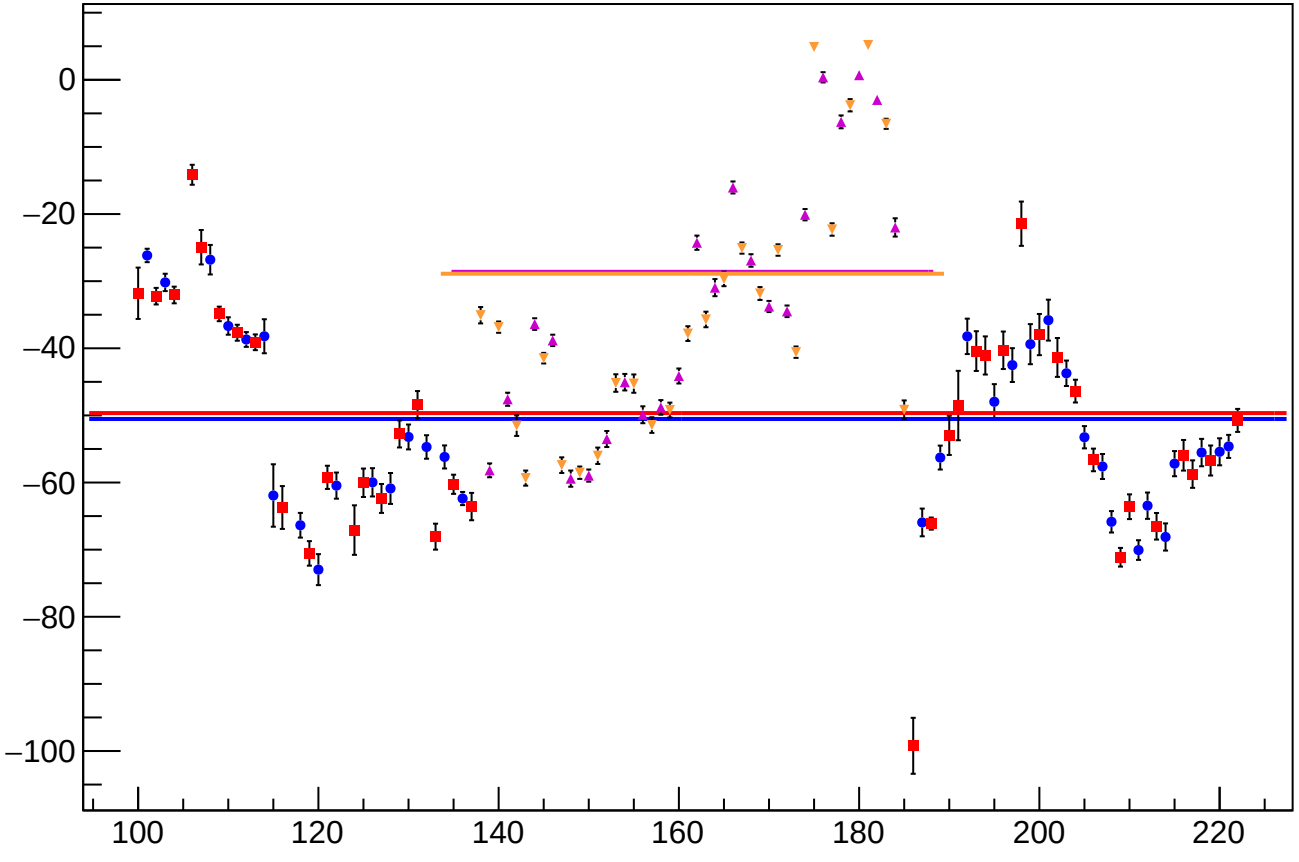
Right: 39.561+/-0.234 χ^2/NDF: 5236.5/71

In: 36.625+/-0.140 χ^2/NDF:5073.5/56

Out: 36.609+/-0.136 χ^2/NDF:6208.5/62

All: 36.617+/-0.098 χ^2/NDF: 11282.1/119

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -49.650+/-0.290 χ^2/NDF: 2937.7/37

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

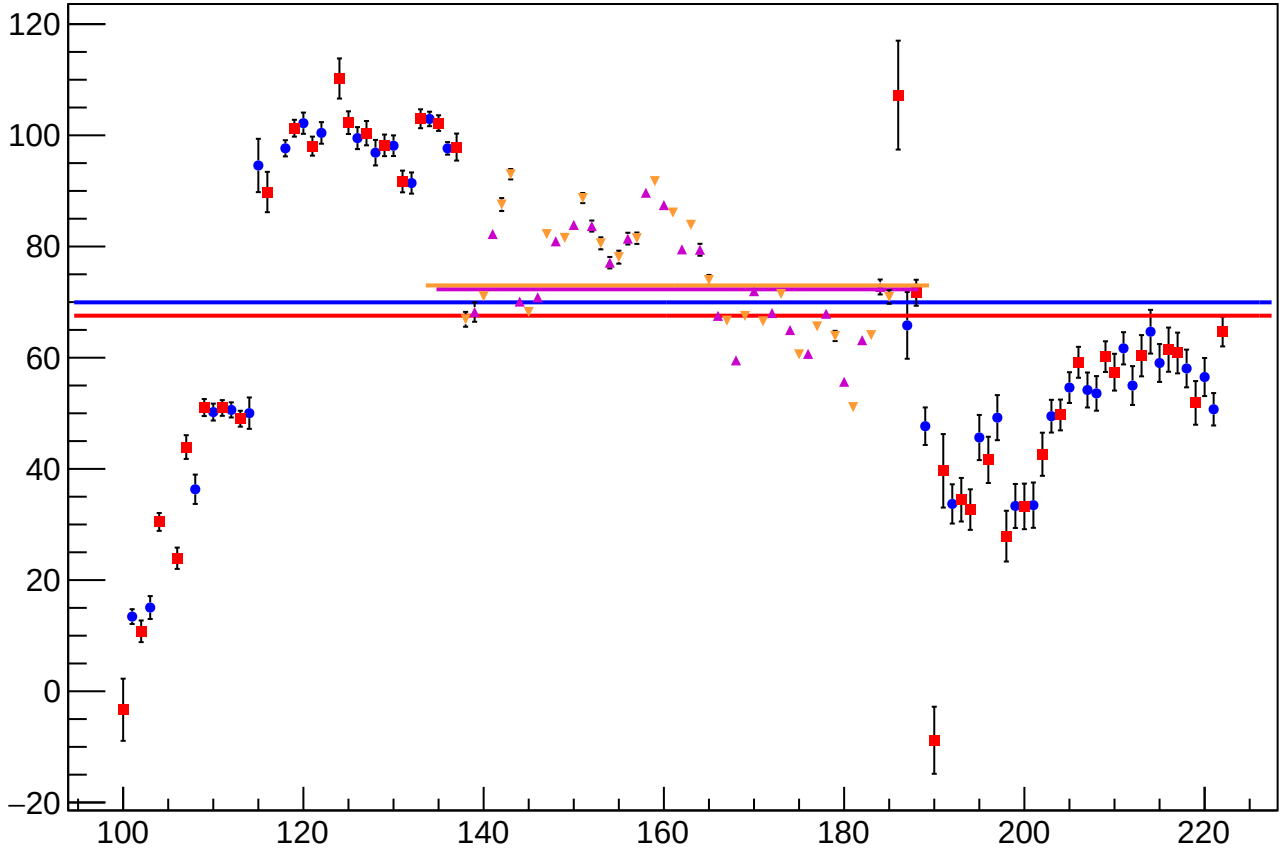
Right: -50.078+/-0.208 χ^2/NDF: 5142.5/71

In: -35.283+/-0.165 χ^2/NDF:15958.8/56

Out: -35.238+/-0.161 χ^2/NDF:18281.8/62

All: -35.260+/-0.115 χ^2/NDF: 34240.6/119

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 69.957+/-0.378 χ^2/NDF: 6589.0/33

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.559+/-0.377 χ^2/NDF: 6392.5/37

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

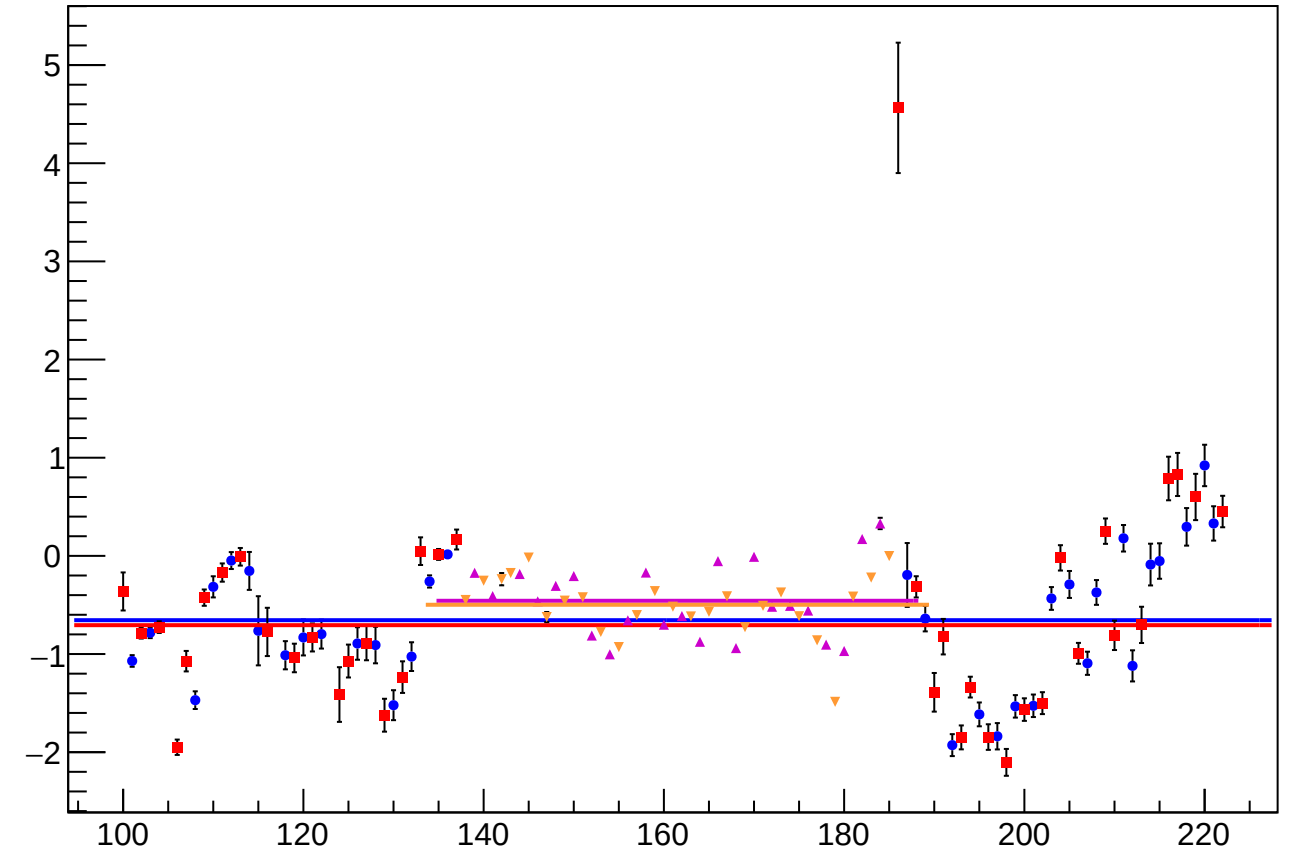
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 68.756+/-0.267 χ^2/NDF: 13001.6/71

In: 71.894+/-0.158 χ^2/NDF:9533.4/56

Out: 72.096+/-0.154 χ^2/NDF:10618.6/62

All: 71.998+/-0.110 χ^2/NDF: 20152.8/119



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: -0.706+/-0.018 χ^2/NDF: 1473.3/37

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

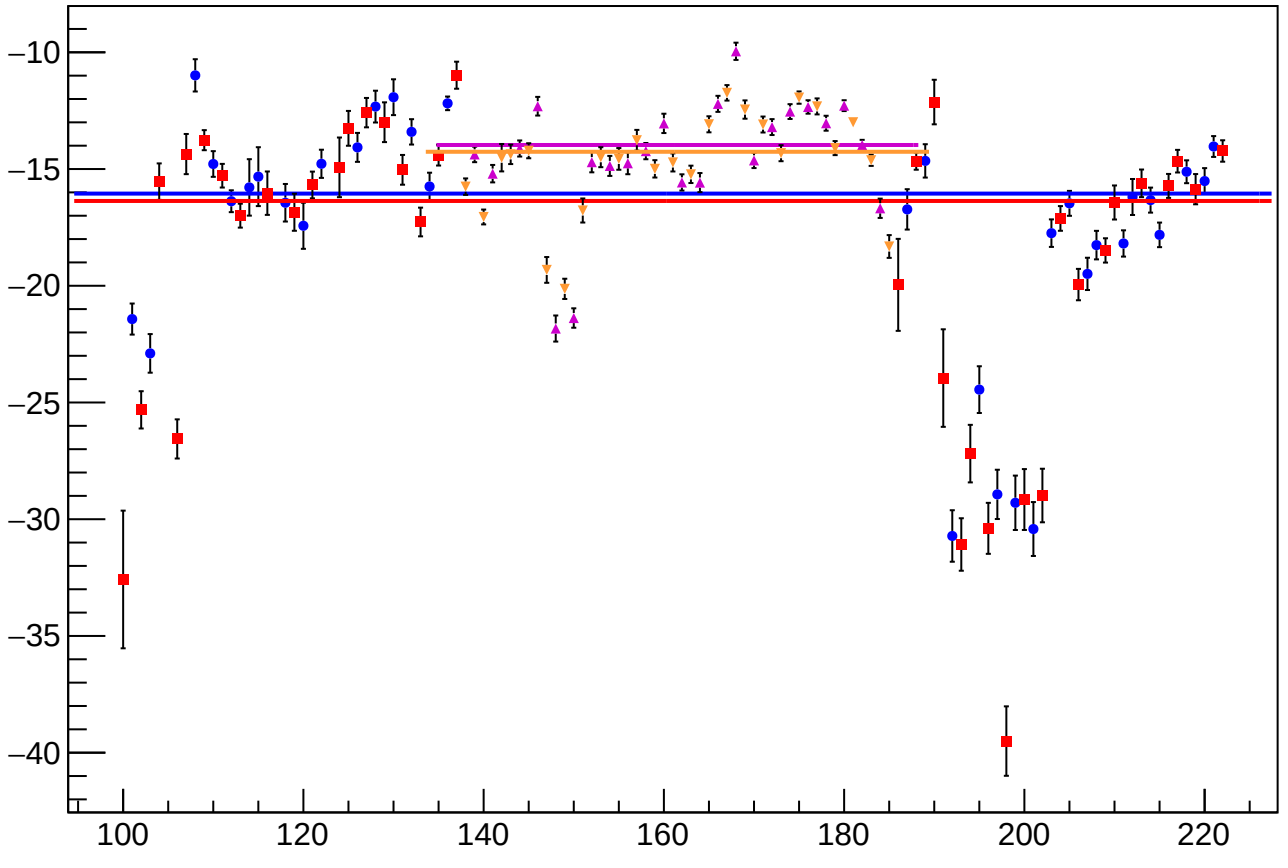
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.681+/-0.013 χ^2/NDF: 2582.6/71

In: -0.487+/-0.007 χ^2/NDF:3306.5/56

Out: -0.528+/-0.007 χ^2/NDF:3066.4/62

All: -0.508+/-0.005 χ^2/NDF: 6390.3/119



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: -16.368+/-0.107 χ^2/NDF: 1552.9/37

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

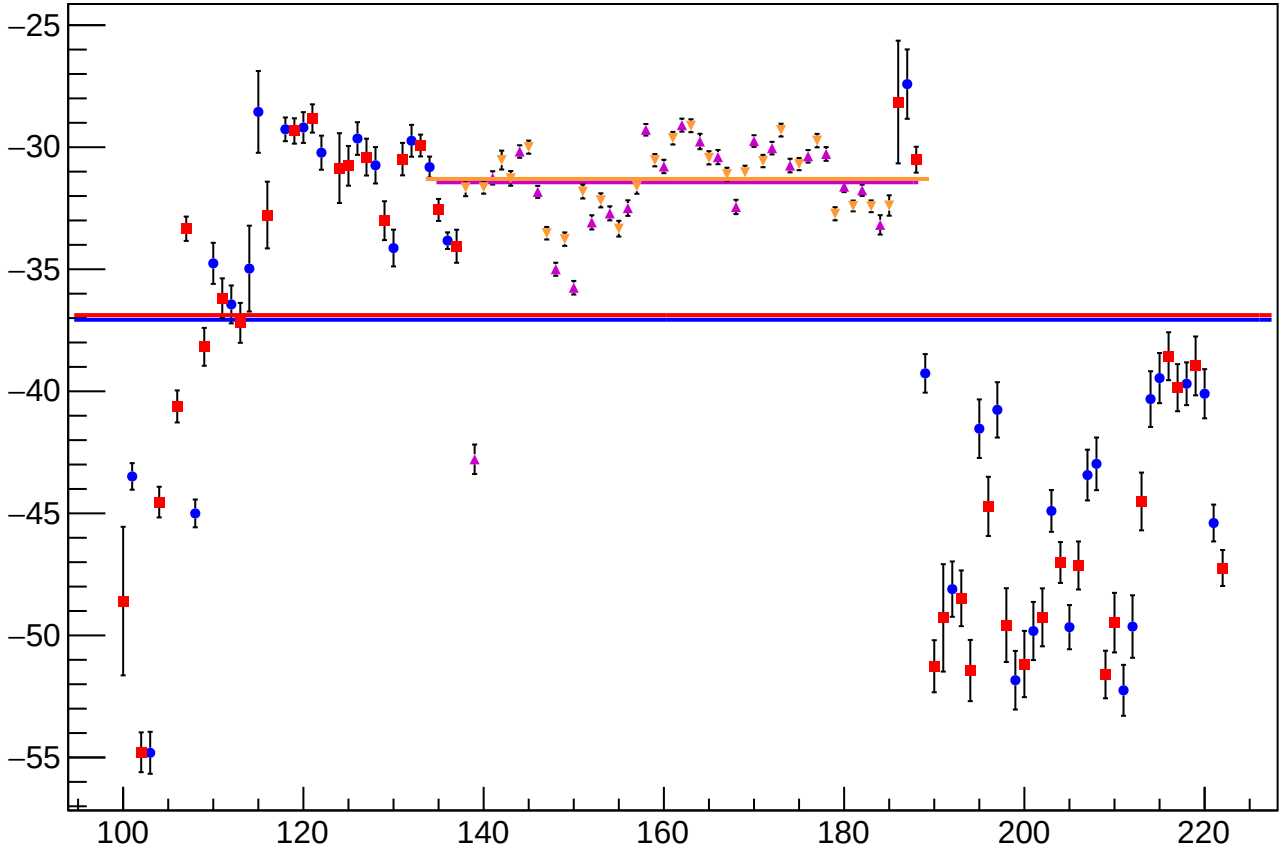
Right: -16.209+/-0.076 χ^2/NDF: 2808.4/71

In: -14.620+/-0.060 χ^2/NDF:2420.8/56

Out: -14.886+/-0.058 χ^2/NDF:2548.2/62

All: -14.756+/-0.042 χ^2/NDF: 4979.1/119

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: -36.877+/-0.129 χ^2/NDF: 3543.9/37

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

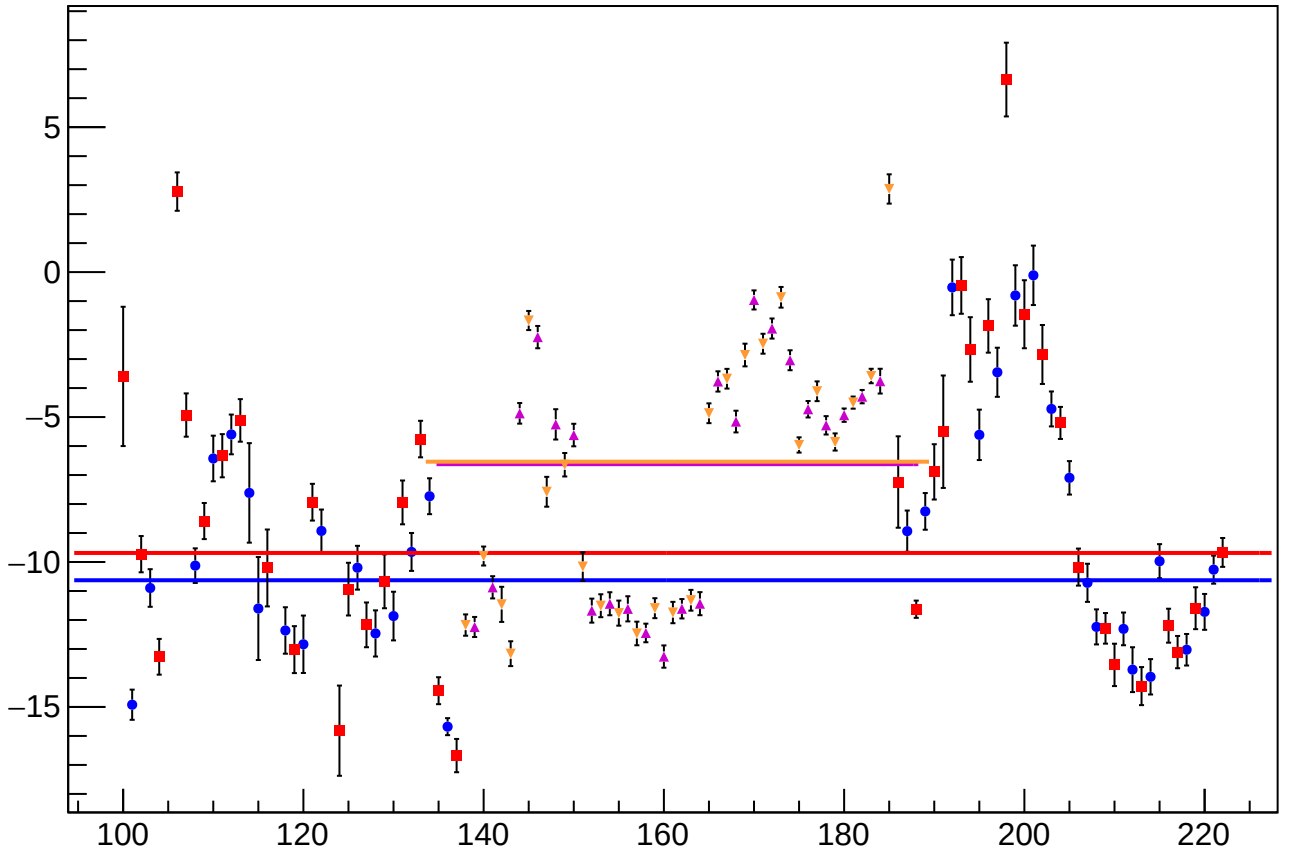
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.973+/-0.091 χ^2/NDF: 6731.8/71

In: -32.362+/-0.052 χ^2/NDF:5991.2/56

Out: -32.166+/-0.051 χ^2/NDF:5679.0/62

All: -32.261+/-0.036 χ^2/NDF: 11677.5/119



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: -9.688+/-0.111 χ^2/NDF: 1597.2/37

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

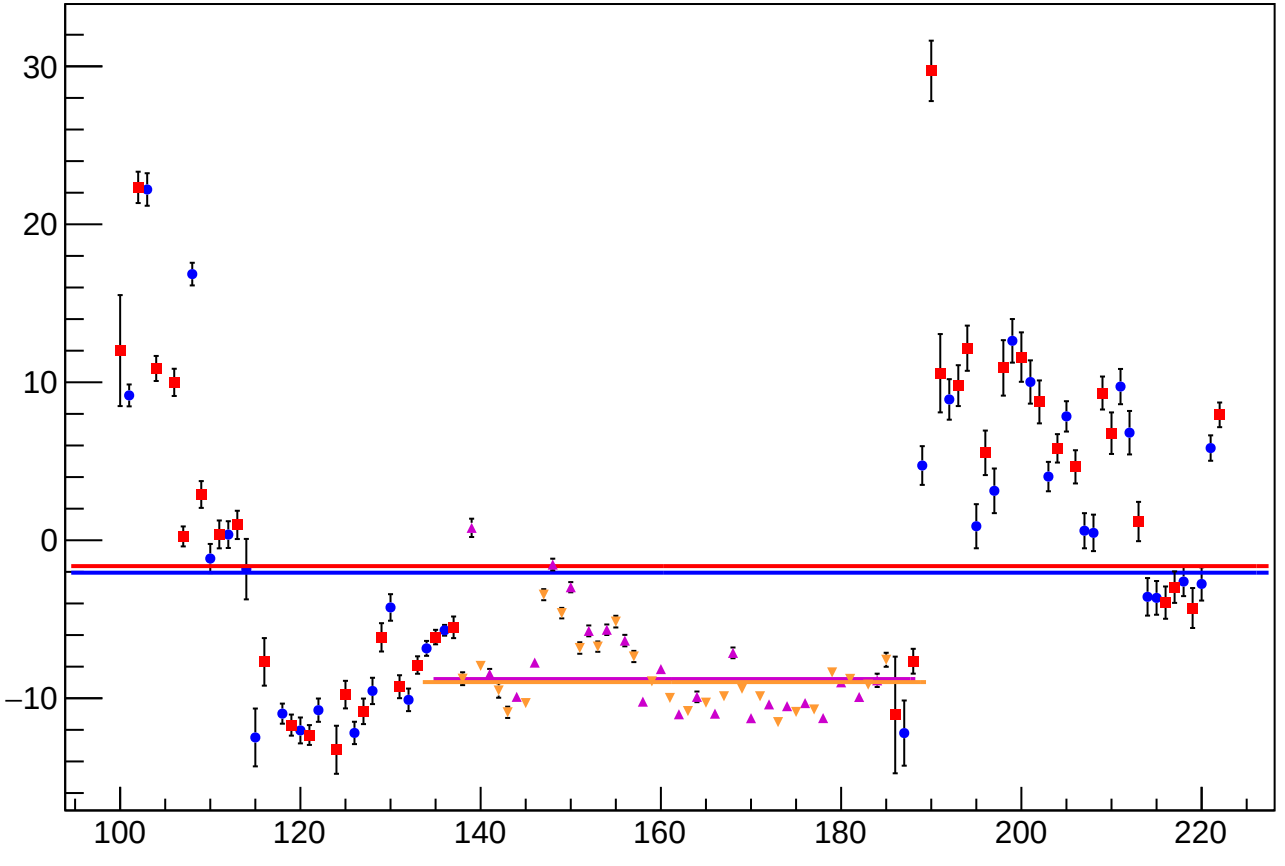
Right: -10.158+/-0.079 χ^2/NDF: 2780.0/71

In: -7.792+/-0.060 χ^2/NDF:4970.9/56

Out: -7.423+/-0.059 χ^2/NDF:5414.9/62

All: -7.604+/-0.042 χ^2/NDF: 10405.0/119

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: -1.636+/-0.148 χ^2/NDF: 3441.1/37

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

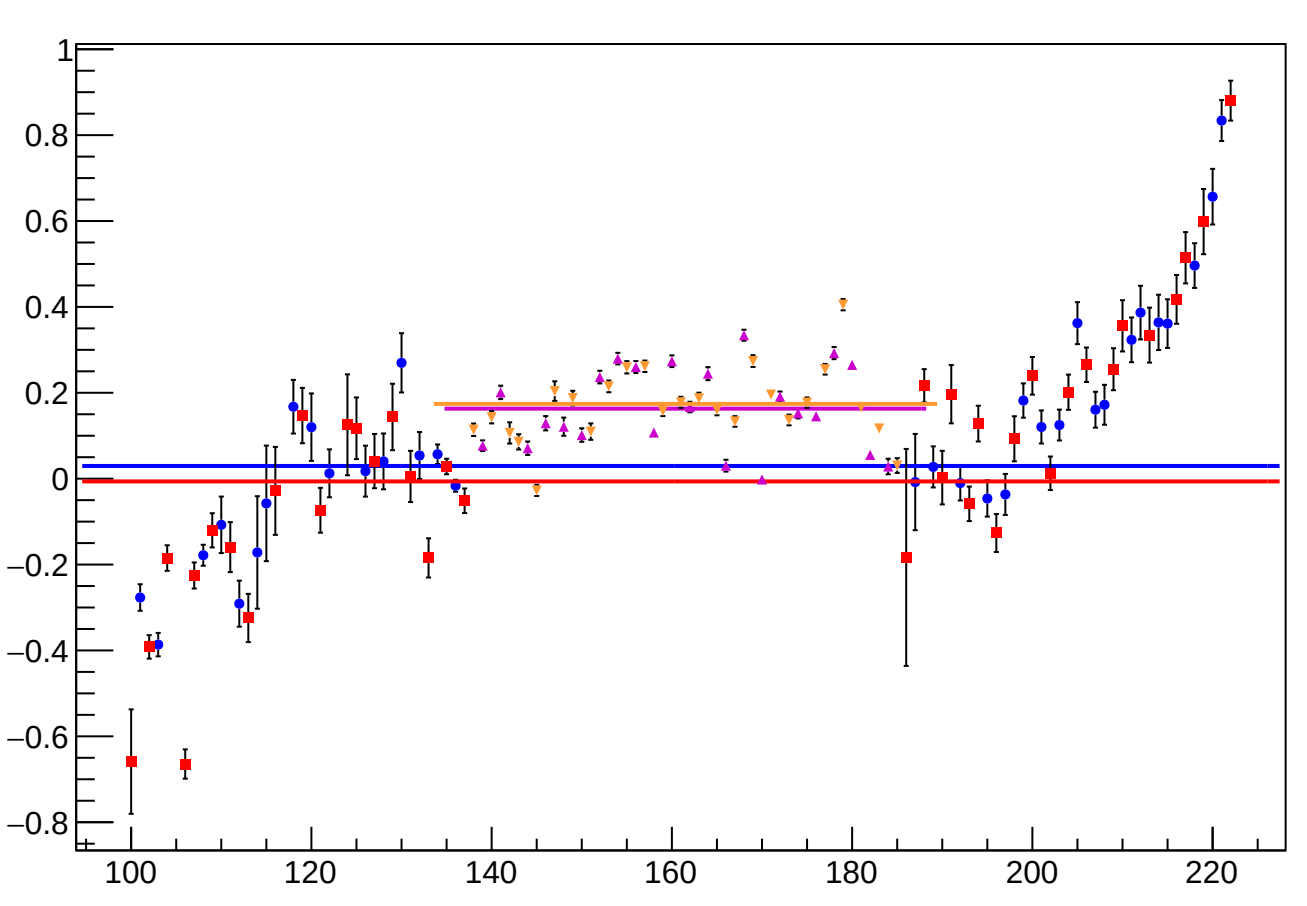
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -1.849+/-0.103 χ^2/NDF: 6870.5/71

In: -7.701+/-0.058 χ^2/NDF:6926.1/56

Out: -7.895+/-0.057 χ^2/NDF:6516.5/62

All: -7.800+/-0.041 χ^2/NDF: 13448.4/119



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: -0.006+/-0.007 χ^2/NDF: 1593.3/37

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

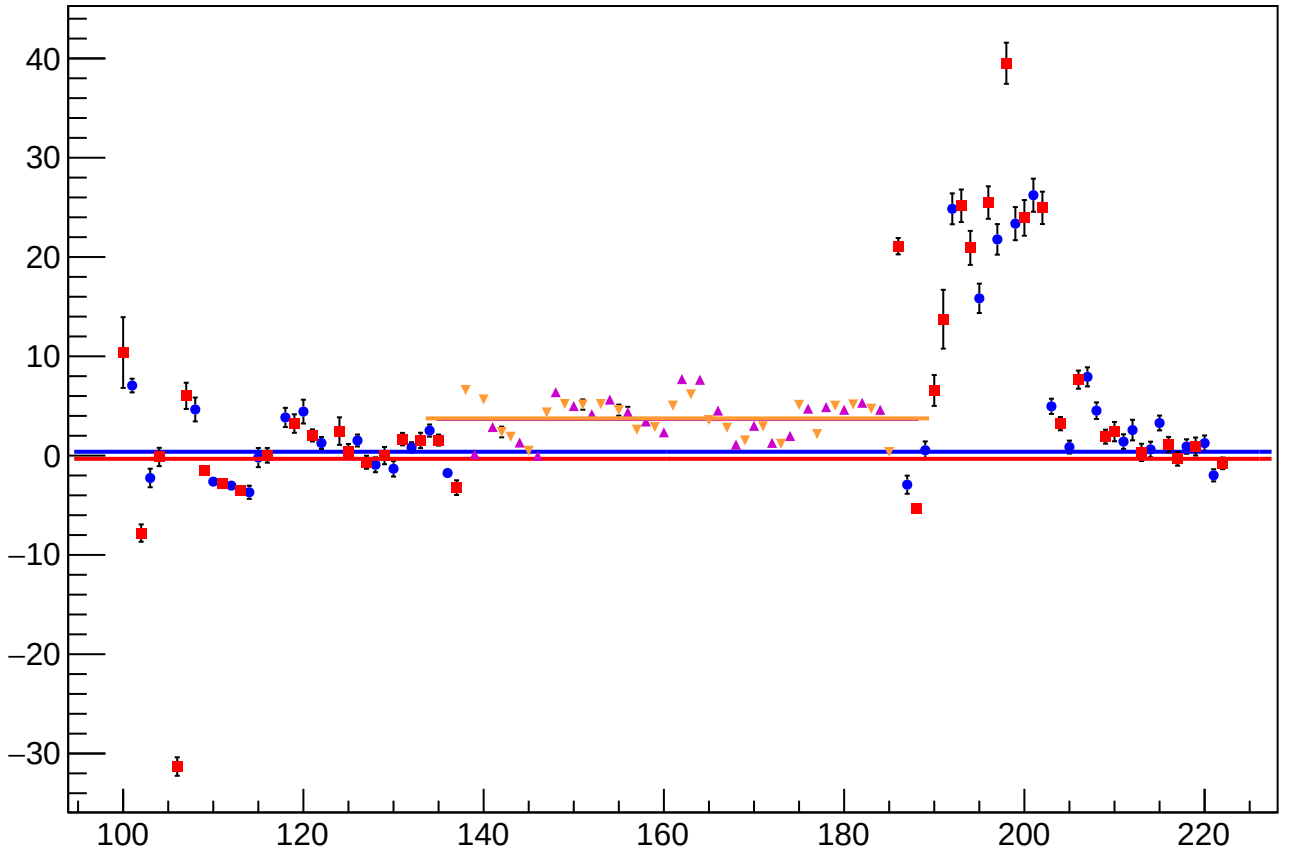
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: 0.012+/-0.005 χ^2/NDF: 2767.1/71

In: 0.144+/-0.003 χ^2/NDF:2684.4/56

Out: 0.151+/-0.003 χ^2/NDF:3082.2/62

All: 0.148+/-0.002 χ^2/NDF: 5770.1/119



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: -0.322+/-0.109 χ^2/NDF: 3867.1/37

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

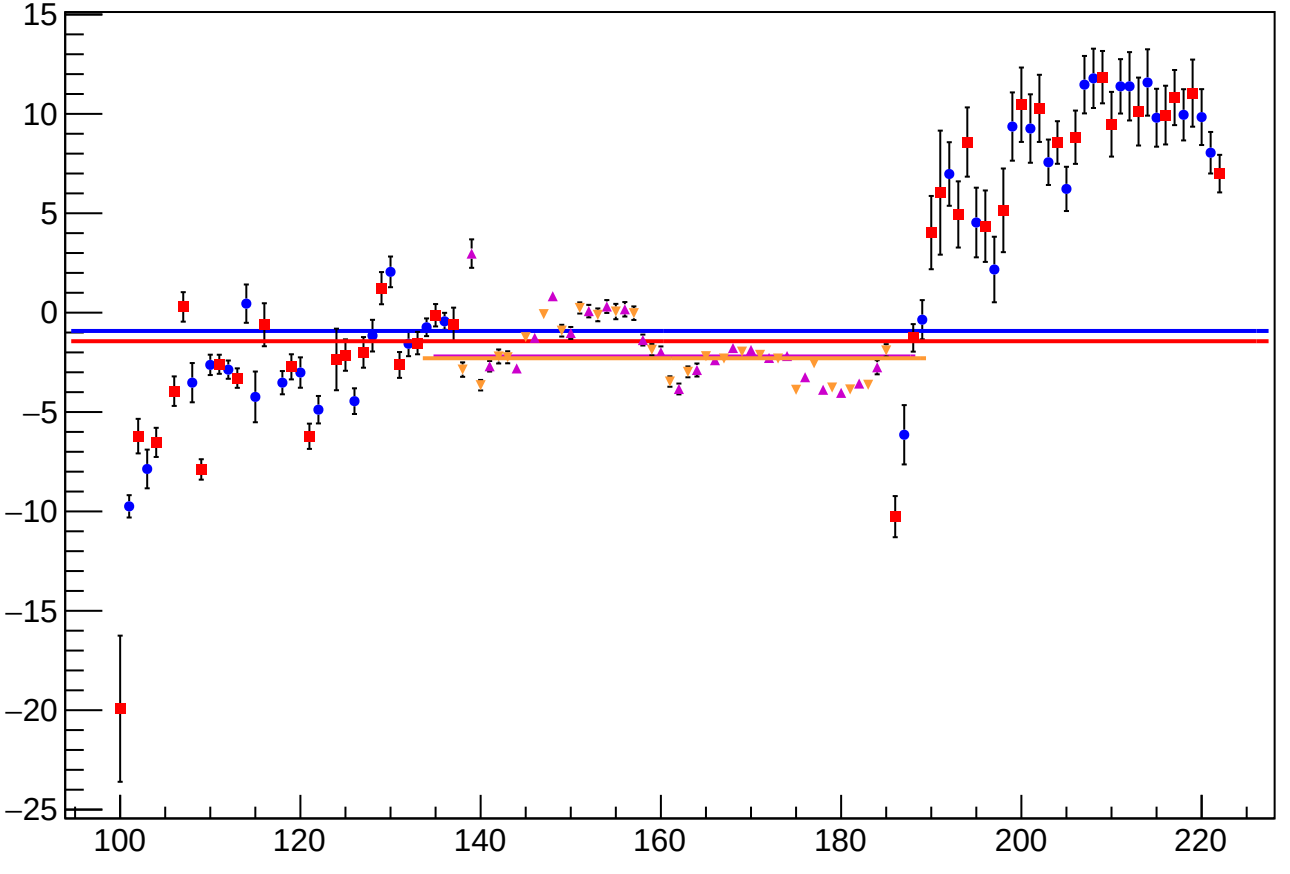
Right: 0.017+/-0.079 χ^2/NDF: 5508.5/71

In: 2.899+/-0.056 χ^2/NDF:3212.1/56

Out: 2.752+/-0.054 χ^2/NDF:5735.2/62

All: 2.823+/-0.039 χ^2/NDF: 8950.9/119

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: -1.437+/-0.140 χ^2/NDF: 1235.5/37

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

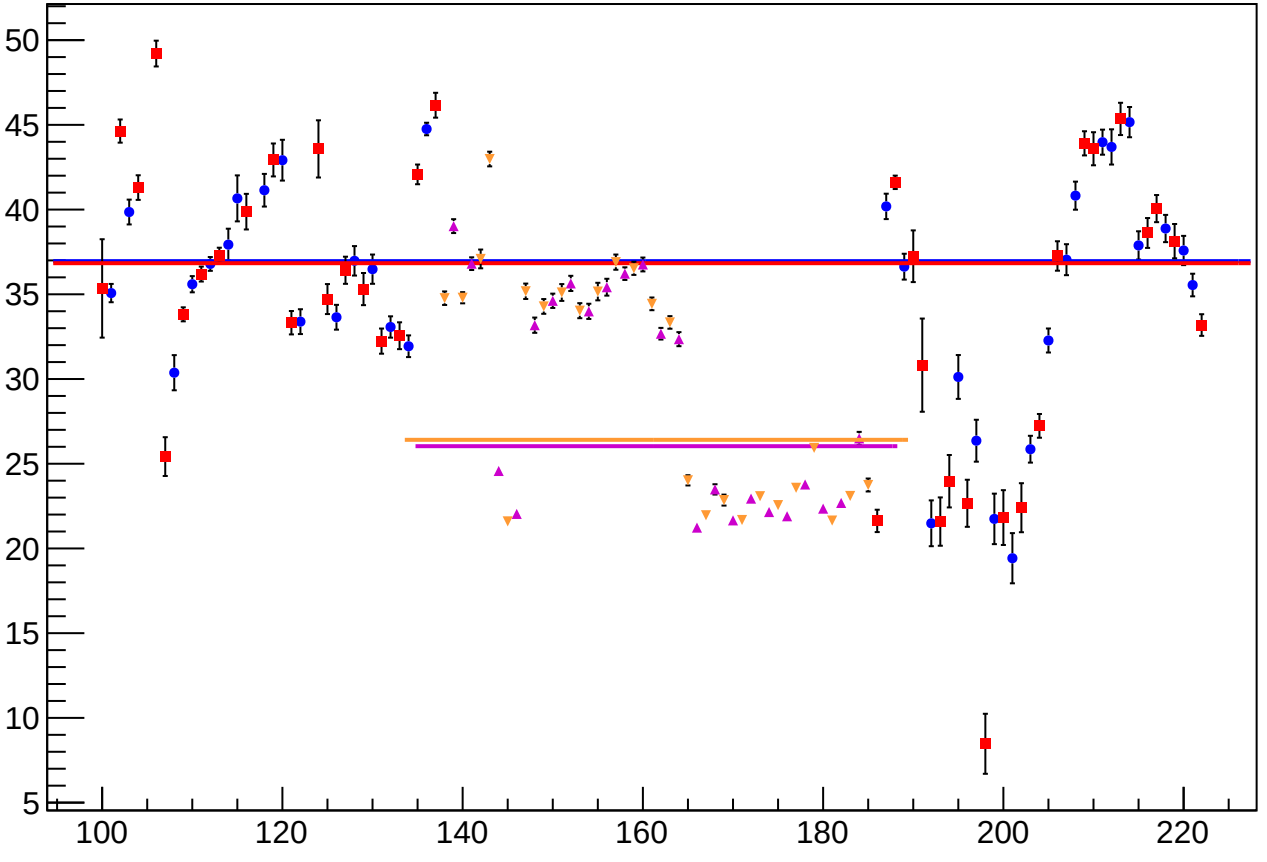
Right: -1.180+/-0.099 χ^2/NDF: 2501.1/71

In: -2.057+/-0.048 χ^2/NDF:2057.0/56

Out: -2.199+/-0.047 χ^2/NDF:1900.1/62

All: -2.129+/-0.033 χ^2/NDF: 3961.6/119

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: 36.836+/-0.124 χ^2/NDF: 2876.2/37

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

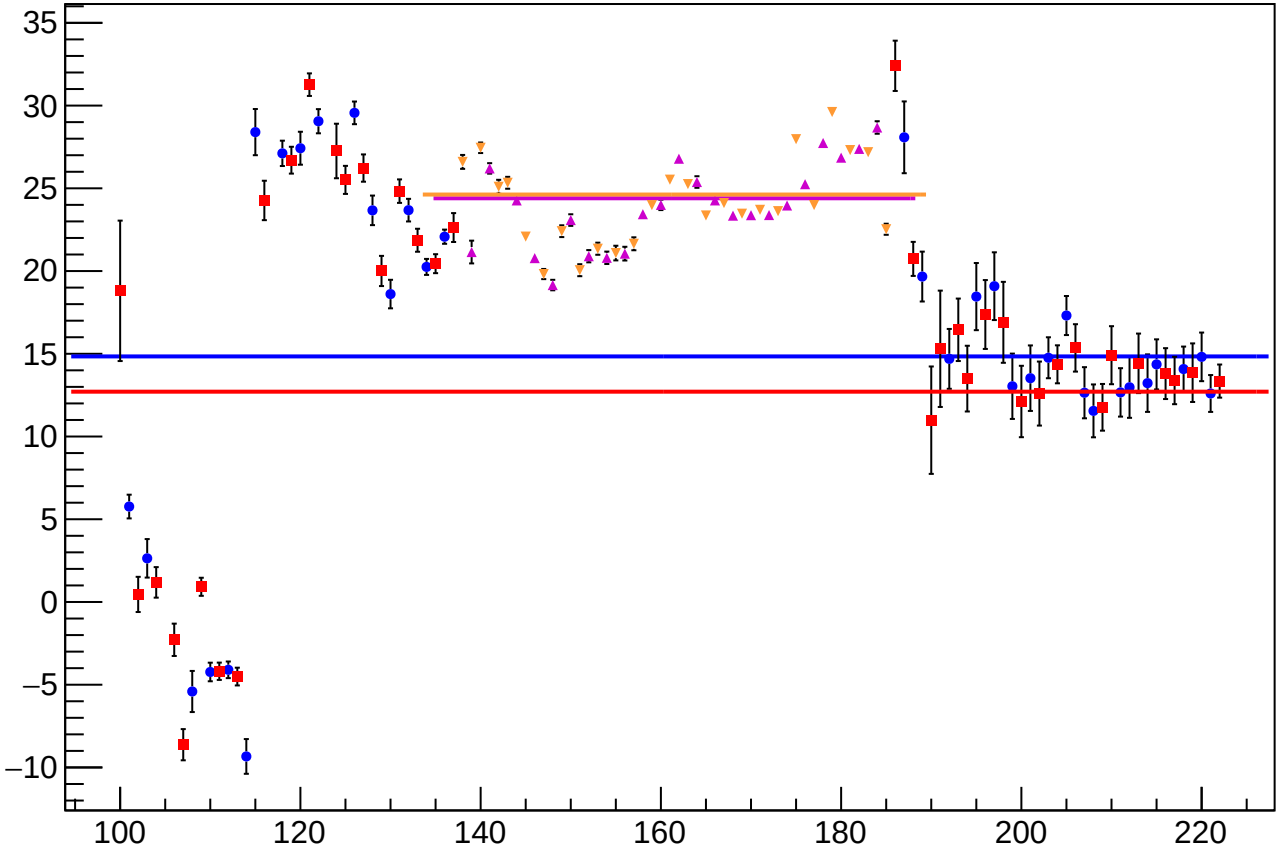
Right: 36.894+/-0.089 χ^2/NDF: 4579.3/71

In: 28.233+/-0.057 χ^2/NDF:15426.5/56

Out: 28.508+/-0.056 χ^2/NDF:17736.1/62

All: 28.374+/-0.040 χ^2/NDF: 33174.4/119

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: 12.710+/-0.159 χ^2/NDF: 6375.3/37

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

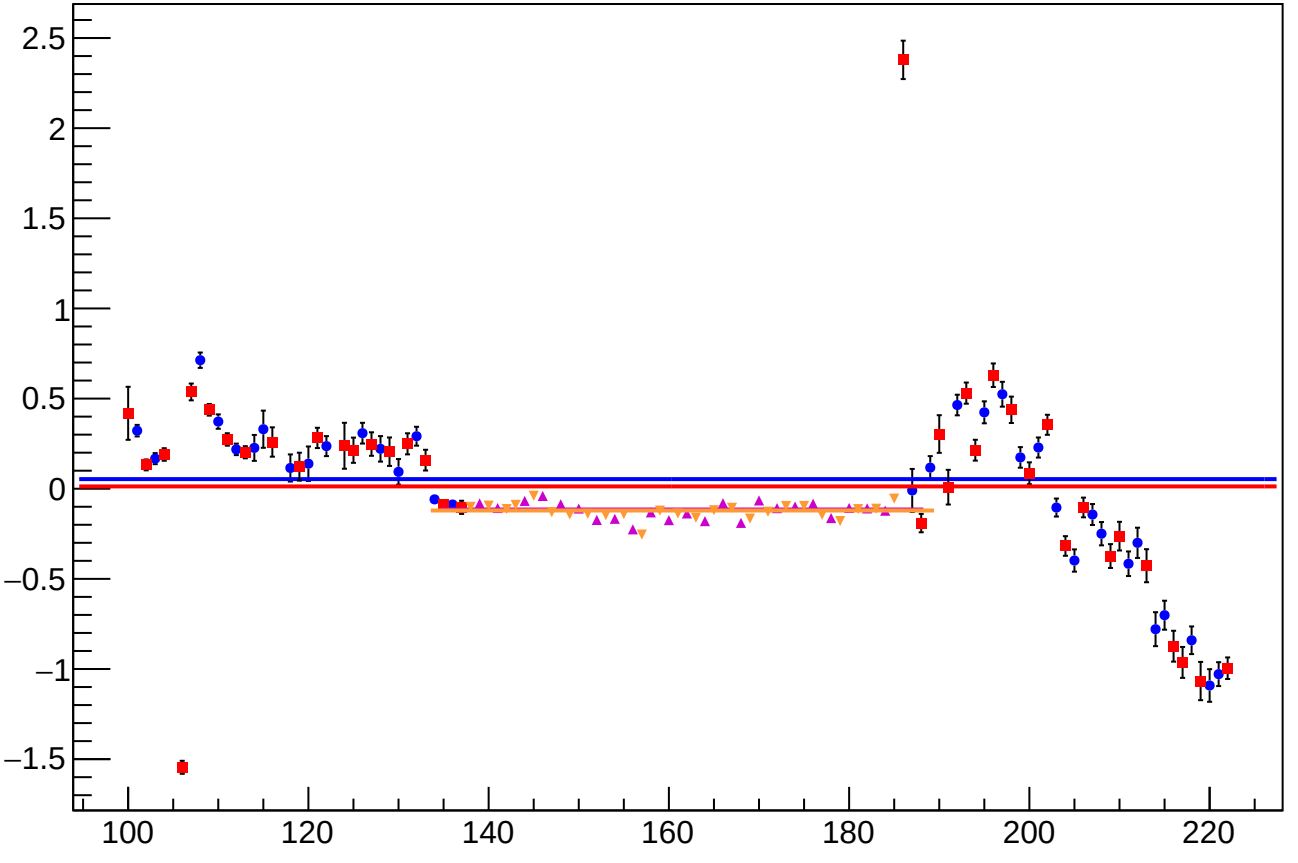
Right: 13.788+/-0.112 χ^2/NDF: 12228.1/71

In: 23.304+/-0.053 χ^2/NDF:10756.7/56

Out: 23.344+/-0.052 χ^2/NDF:13338.4/62

All: 23.324+/-0.037 χ^2/NDF: 24095.3/119

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: 0.013+/-0.008 χ^2/NDF: 3924.6/37

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

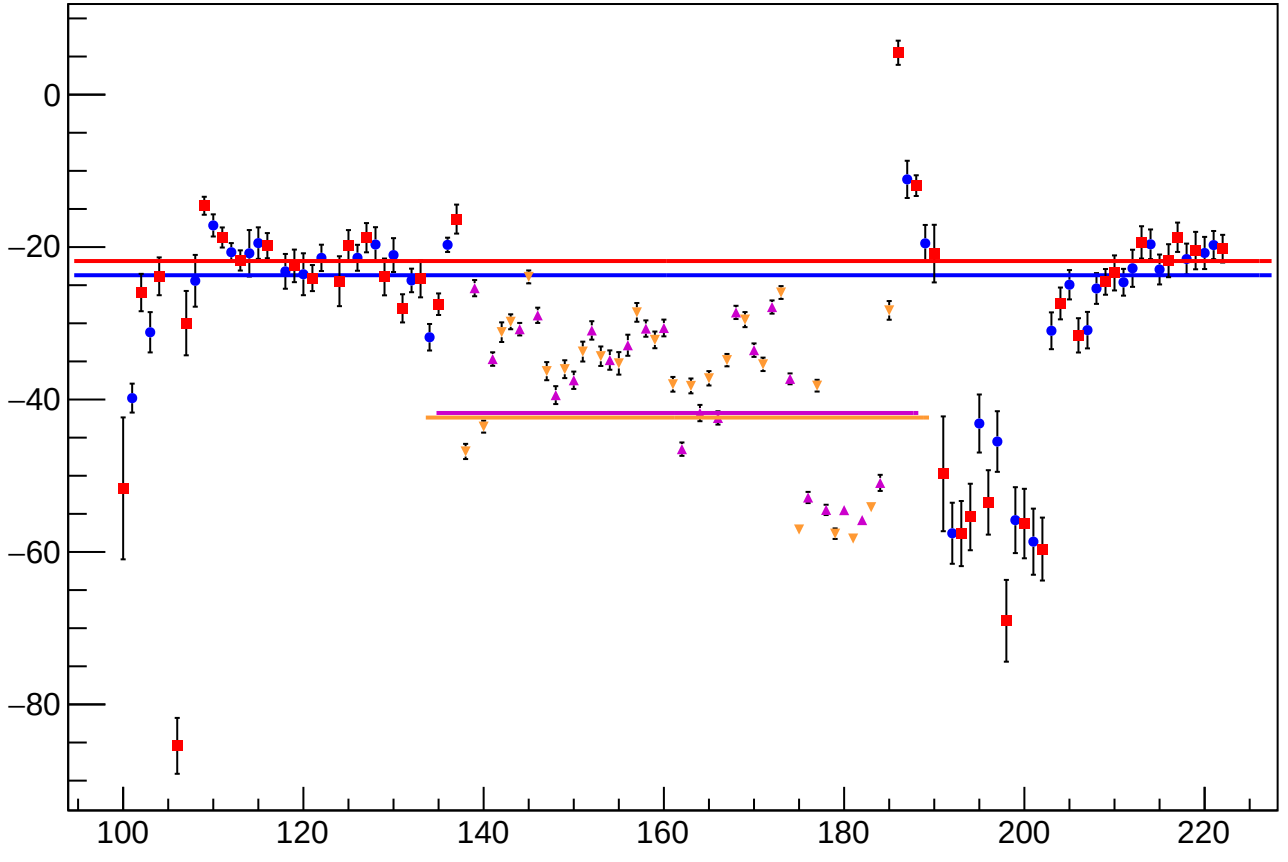
Right: 0.034+/-0.006 χ^2/NDF: 5553.1/71

In: -0.100+/-0.002 χ^2/NDF:2305.4/56

Out: -0.110+/-0.002 χ^2/NDF:4426.3/62

All: -0.105+/-0.002 χ^2/NDF: 6739.8/119

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -21.831+/-0.338 χ^2/NDF: 1208.2/37

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

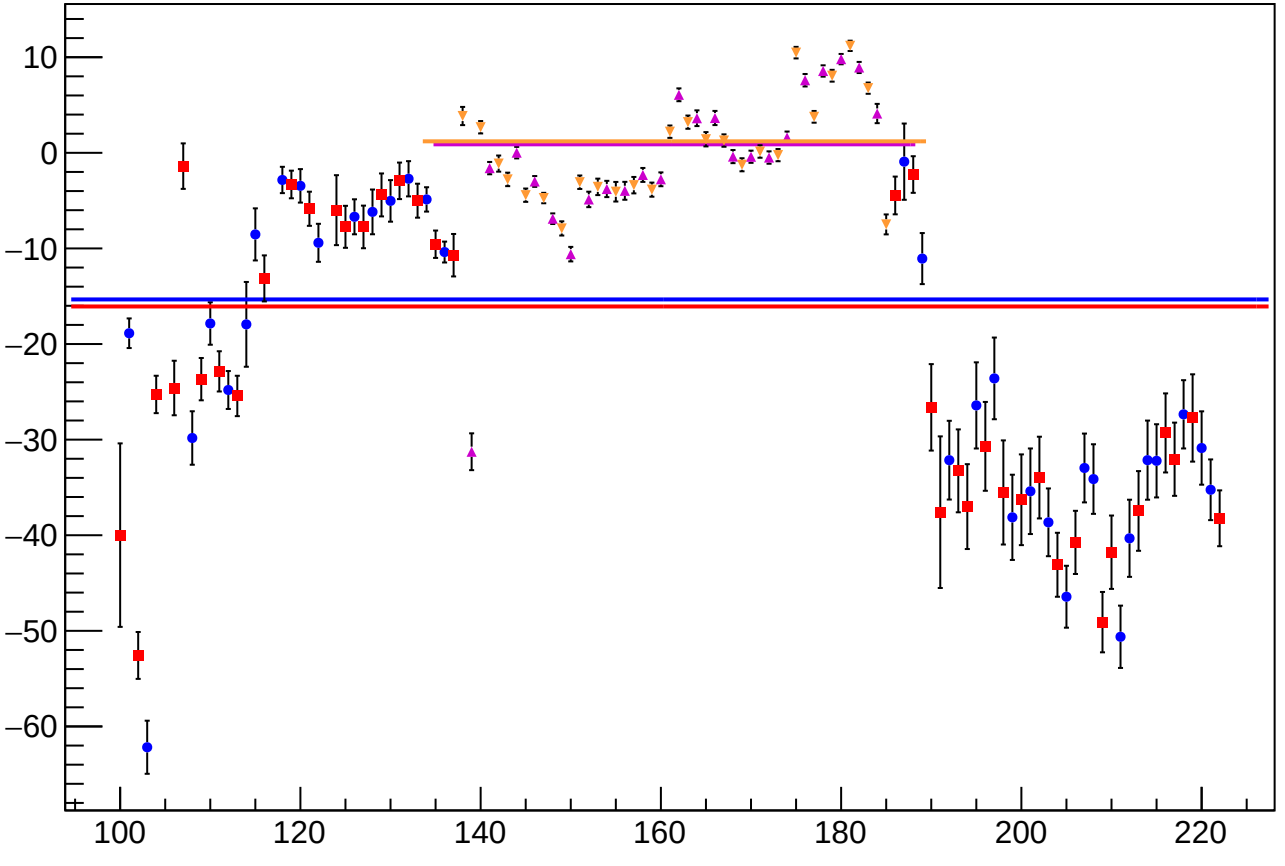
Right: -22.752+/-0.240 χ^2/NDF: 1692.3/71

In: -37.776+/-0.160 χ^2/NDF:6110.5/56

Out: -38.016+/-0.156 χ^2/NDF:8595.0/62

All: -37.900+/-0.112 χ^2/NDF: 14706.7/119

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -15.335+/-0.402 χ^2/NDF: 1212.7/33

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -16.071+/-0.412 χ^2/NDF: 1215.2/37

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

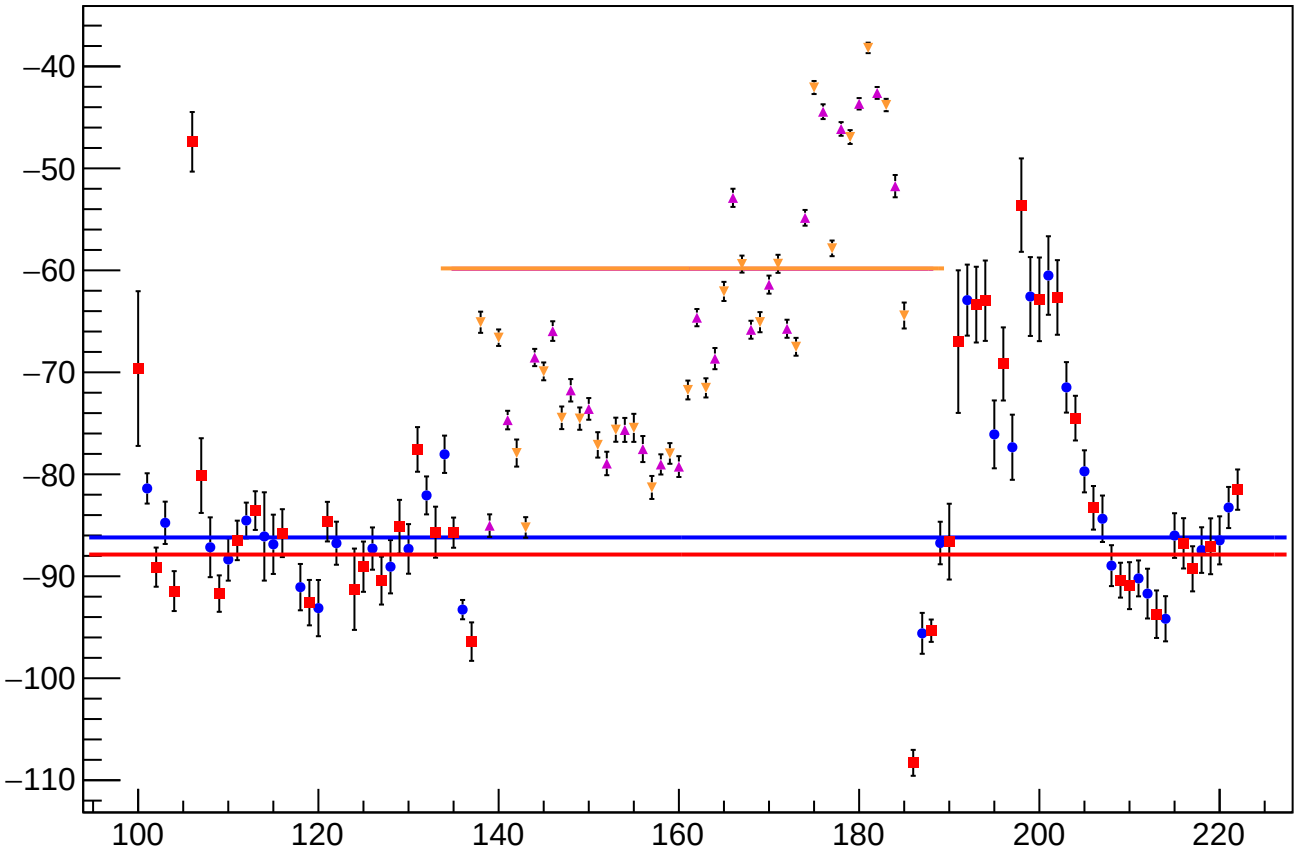
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.694+/-0.288 χ^2/NDF: 2429.5/71

In: -0.932+/-0.135 χ^2/NDF:4422.3/56

Out: -0.544+/-0.131 χ^2/NDF:4260.2/62

All: -0.732+/-0.094 χ^2/NDF: 8686.8/119



Right In: -86.192+/-0.363 χ^2/NDF: 345.3/33

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.868+/-0.359 χ^2/NDF: 901.3/37

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

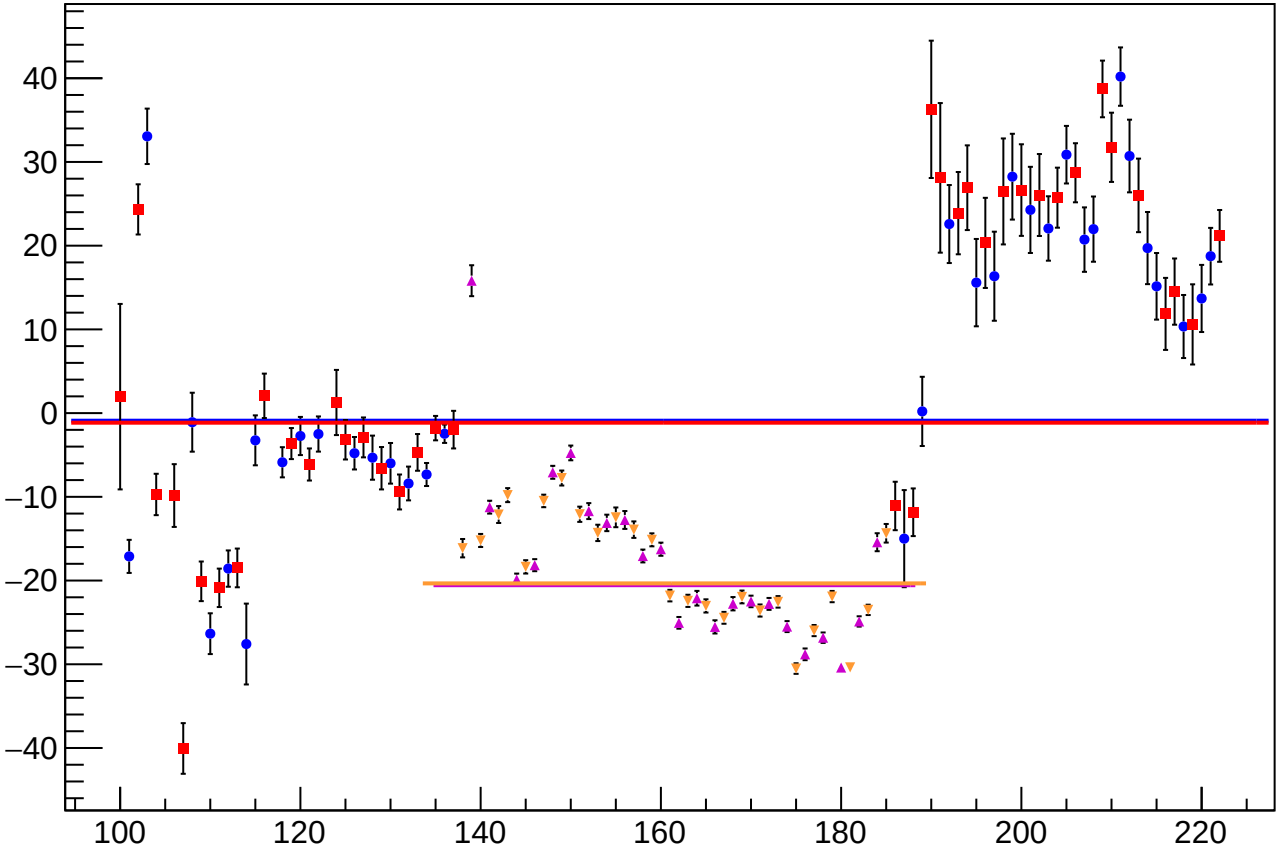
Right: -87.039+/-0.255 χ^2/NDF: 1257.4/71

In: -65.091+/-0.162 χ^2/NDF:10094.0/56

Out: -65.206+/-0.158 χ^2/NDF:12473.8/62

All: -65.150+/-0.113 χ^2/NDF: 22568.1/119

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: -1.144+/-0.471 χ^2/NDF: 1140.9/37

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

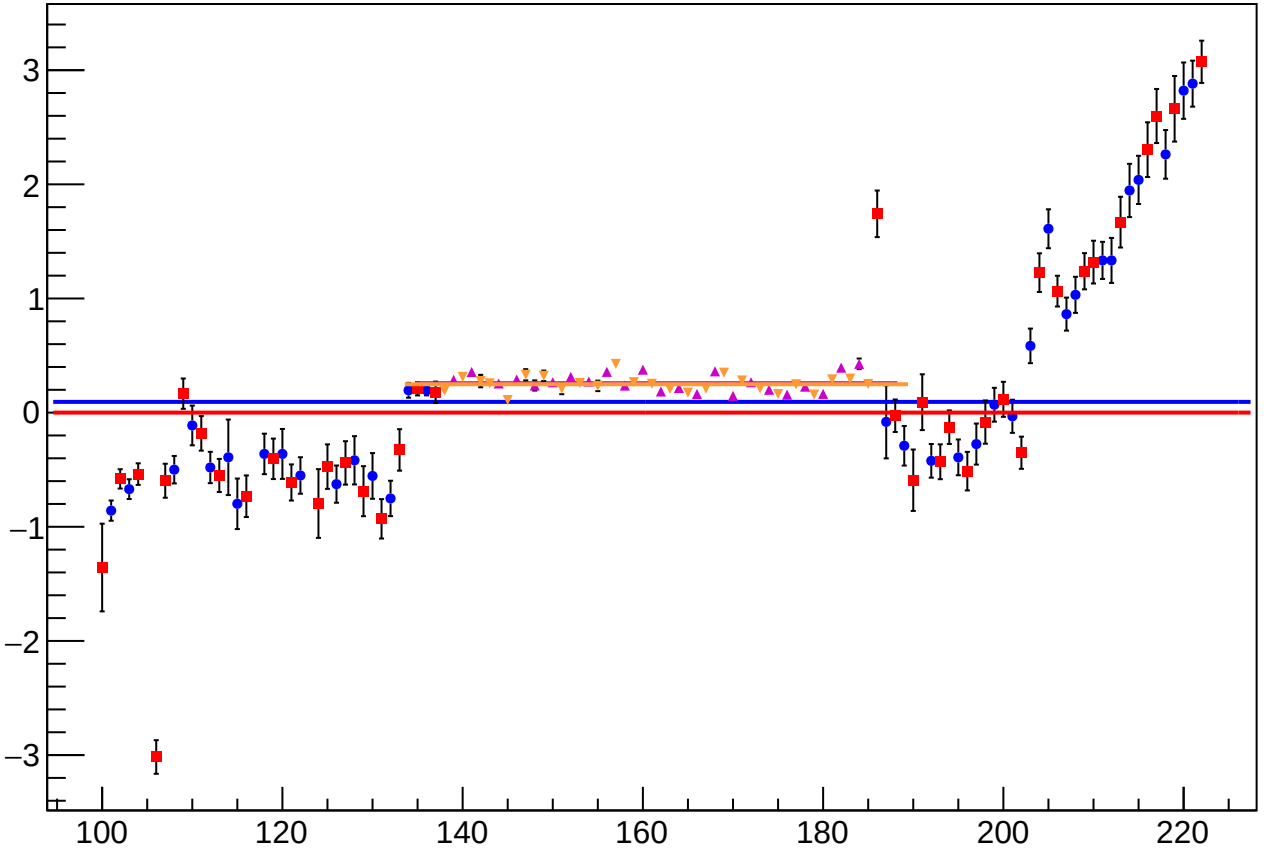
Right: -1.021+/-0.326 χ^2/NDF: 2160.4/71

In: -18.368+/-0.150 χ^2/NDF:4900.1/56

Out: -18.469+/-0.147 χ^2/NDF:4343.5/62

All: -18.420+/-0.105 χ^2/NDF: 9243.9/119

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.094+/-0.022 χ^2/NDF: 1203.1/33

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: 0.000+/-0.024 χ^2/NDF: 1617.5/37

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

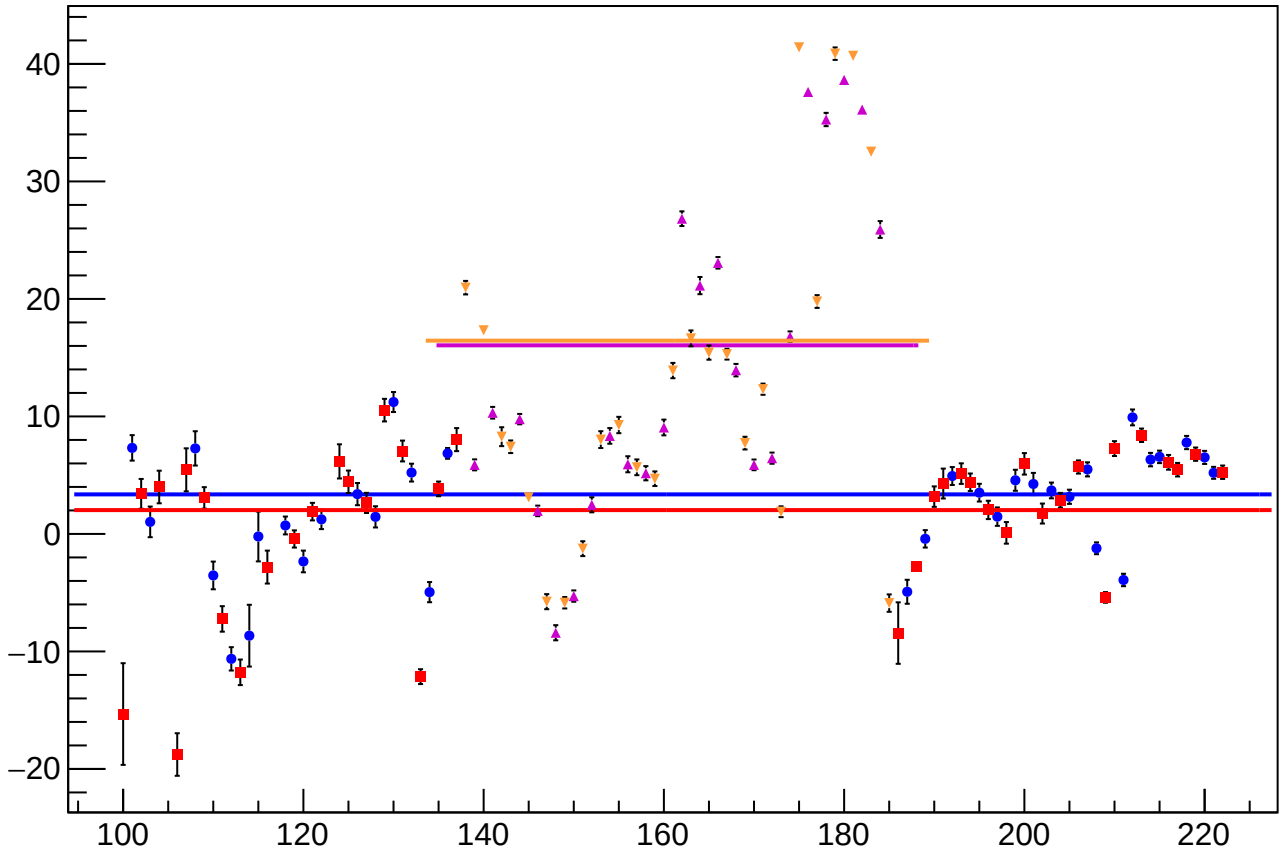
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: 0.050+/-0.016 χ^2/NDF: 2828.9/71

In: 0.243+/-0.007 χ^2/NDF:1385.5/56

Out: 0.229+/-0.007 χ^2/NDF:1811.1/62

All: 0.236+/-0.005 χ^2/NDF: 3198.7/119



Right In: 3.366+/-0.125 χ^2/NDF: 1238.0/33

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 2.029+/-0.123 χ^2/NDF: 2000.9/37

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

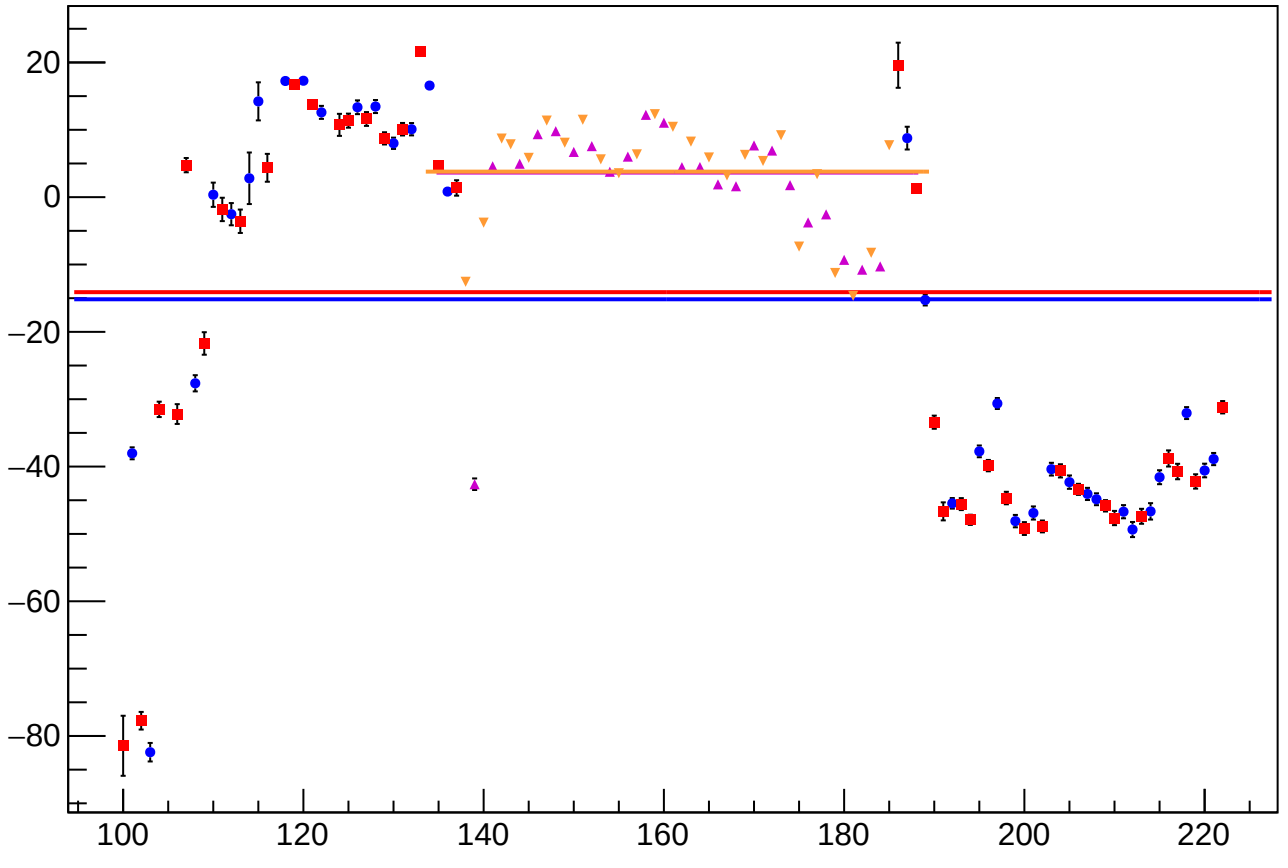
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 2.690+/-0.088 χ^2/NDF: 3297.1/71

In: 10.653+/-0.081 χ^2/NDF:24817.6/56

Out: 10.450+/-0.079 χ^2/NDF:31398.1/62

All: 10.549+/-0.057 χ^2/NDF: 56218.9/119



Right In: -15.163+/-0.153 χ^2/NDF: 32501.9/33

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -14.105+/-0.149 χ^2/NDF: 36362.9/37

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

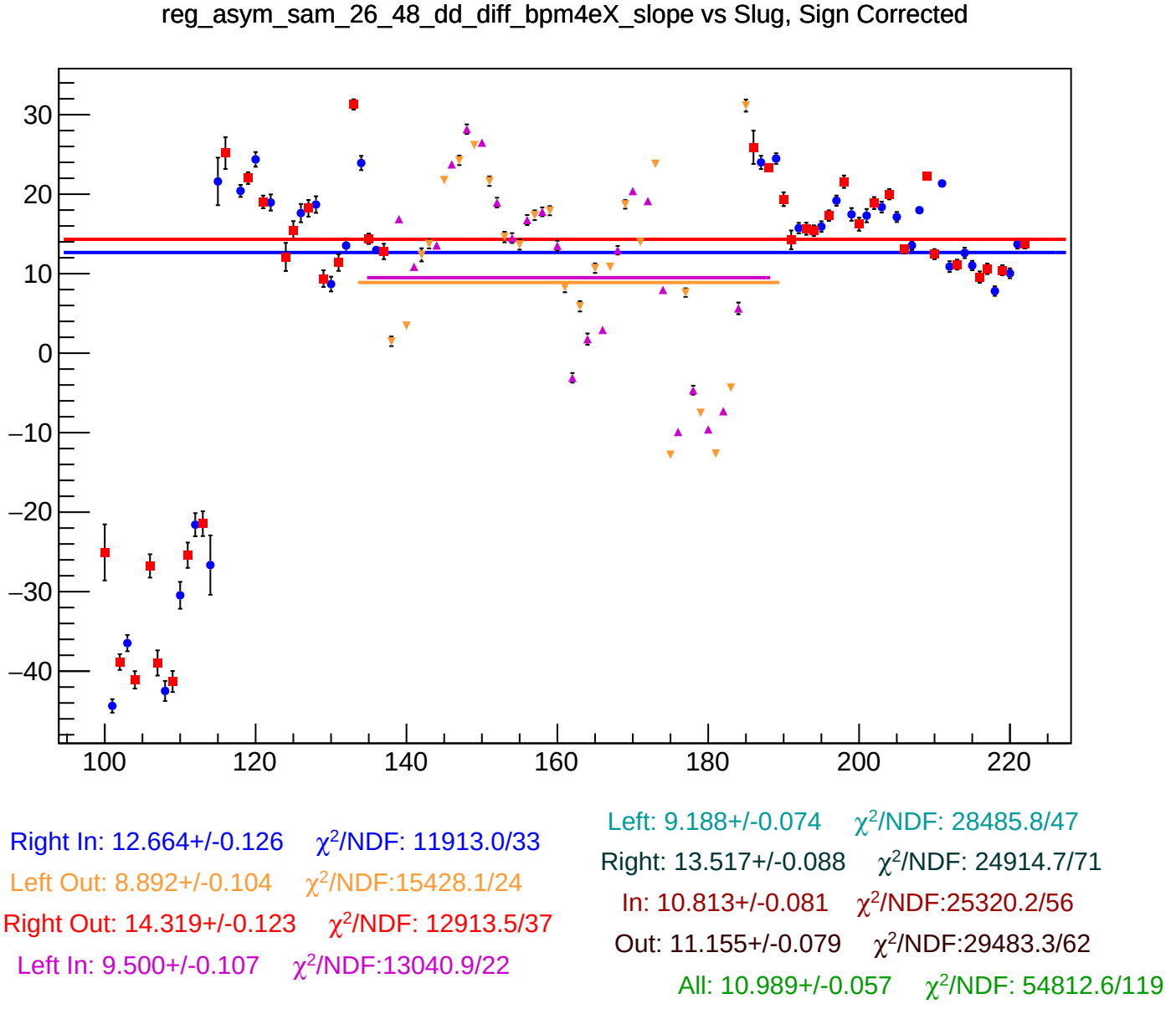
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

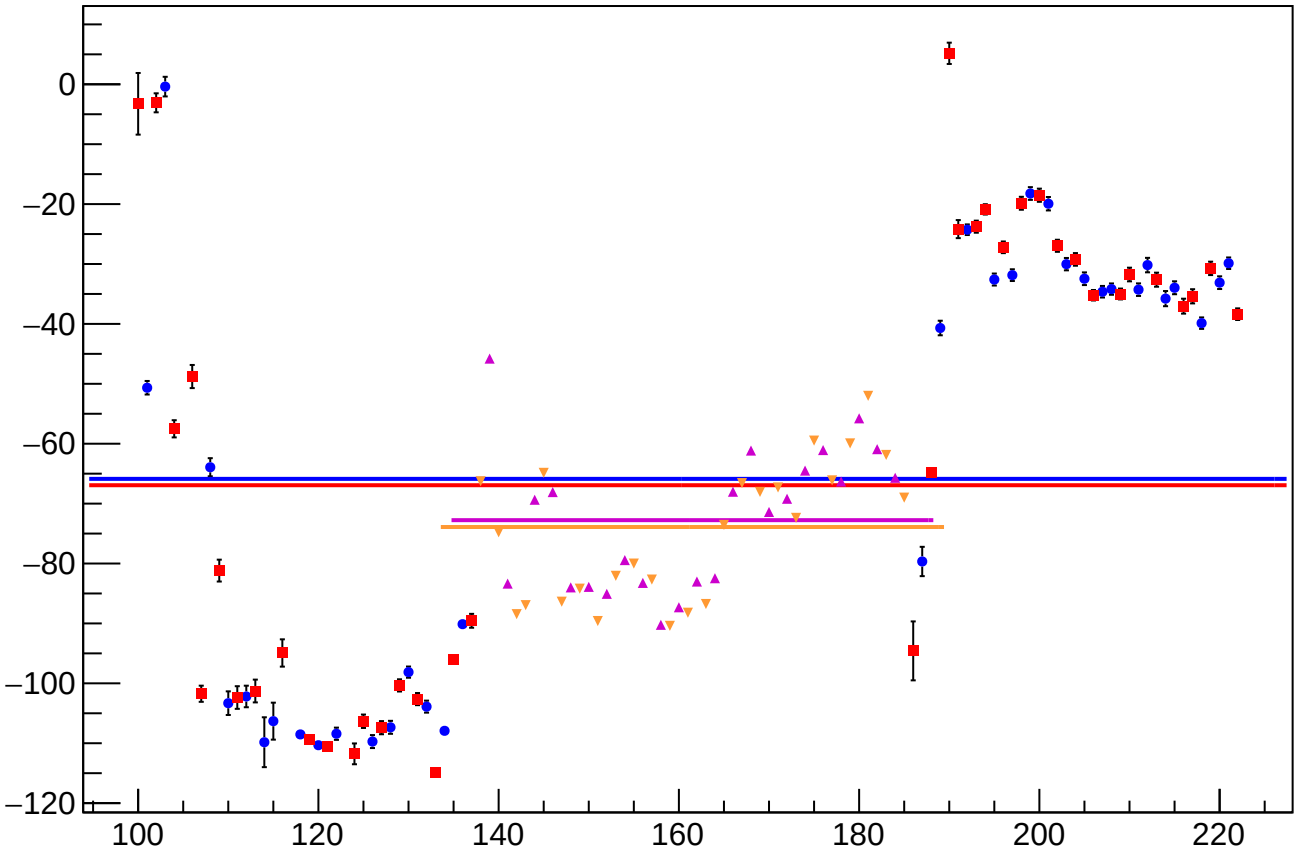
Right: -14.620+/-0.107 χ^2/NDF: 68889.4/71

In: -0.630+/-0.073 χ^2/NDF:52508.8/56

Out: -0.223+/-0.071 χ^2/NDF:56659.2/62

All: -0.420+/-0.051 χ^2/NDF: 109184.1/119


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: 14.319+/-0.123 χ²/NDF: 12913.5/37
Left In: 9.500+/-0.107 χ²/NDF:13040.9/22
Left: 9.188+/-0.074 χ²/NDF: 28485.8/47
Right: 13.517+/-0.088 χ²/NDF: 24914.7/71
In: 10.813+/-0.081 χ²/NDF:25320.2/56
Out: 11.155+/-0.079 χ²/NDF:29483.3/62
All: 10.989+/-0.057 χ²/NDF: 54812.6/119



Right In: -65.867+/-0.174 χ^2/NDF: 43694.9/33

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -66.931+/-0.172 χ^2/NDF: 49504.3/37

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

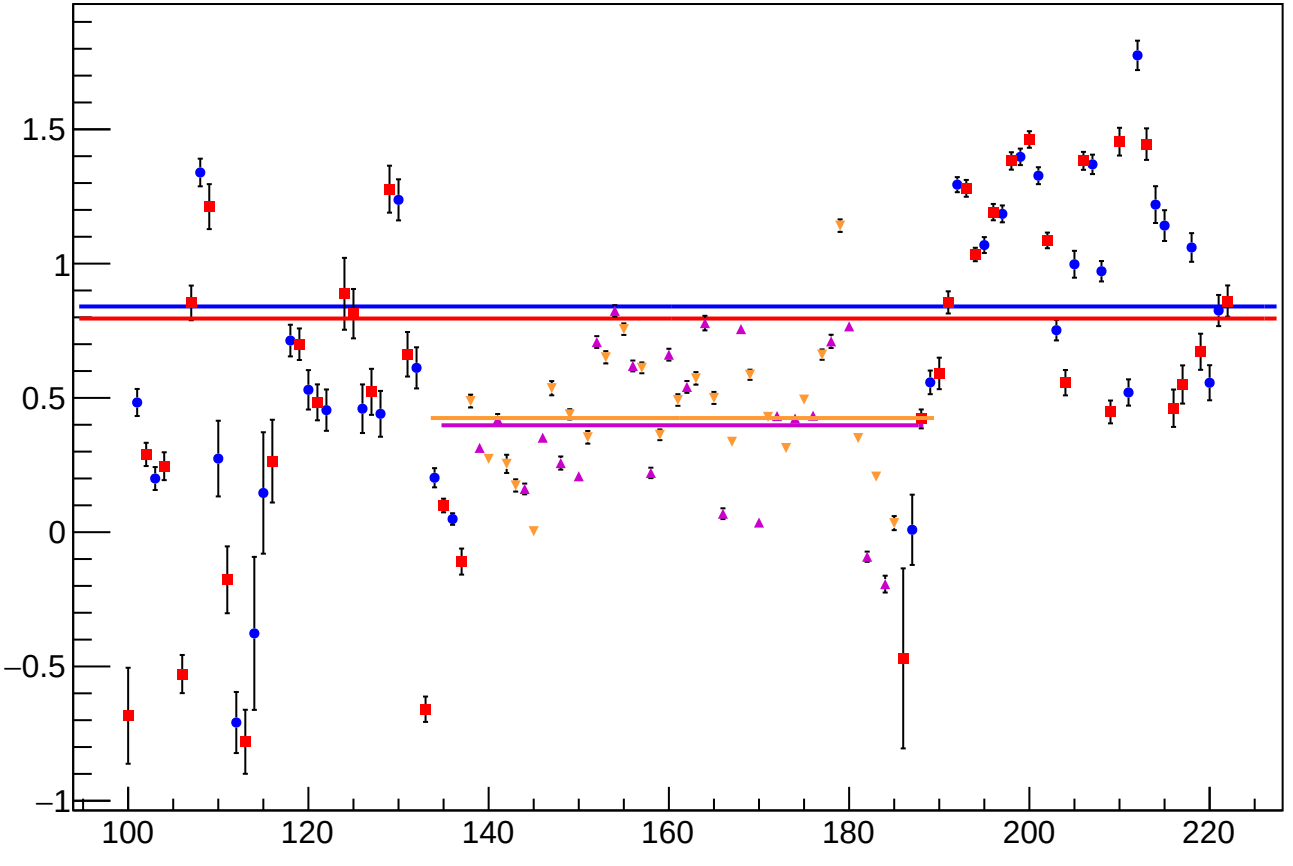
Right: -66.404+/-0.122 χ^2/NDF: 93218.2/71

In: -71.219+/-0.082 χ^2/NDF:57529.3/56

Out: -72.396+/-0.080 χ^2/NDF:66359.3/62

All: -71.823+/-0.057 χ^2/NDF: 123993.7/119

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.796+/-0.008 χ^2/NDF: 5316.2/37

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

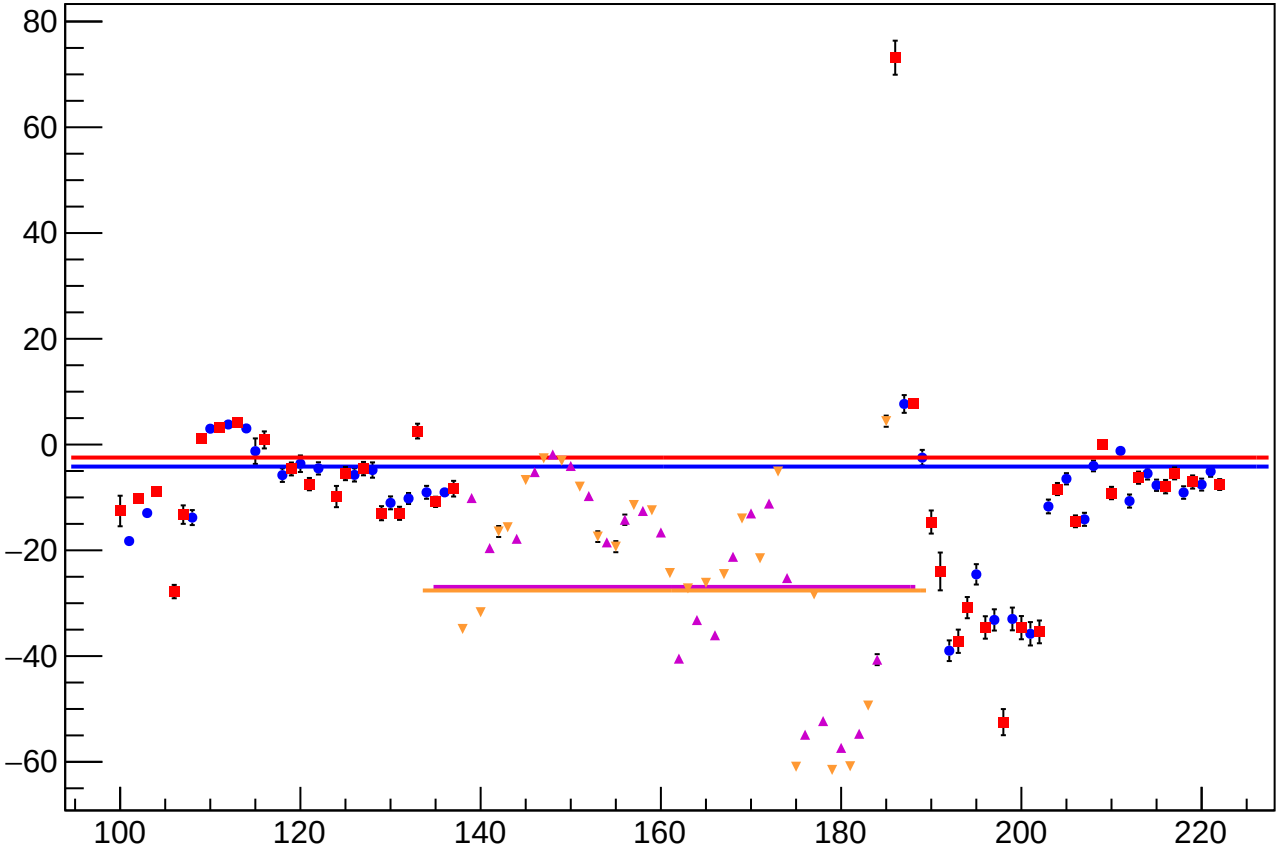
Right: 0.817+/-0.005 χ^2/NDF: 9487.9/71

In: 0.495+/-0.004 χ^2/NDF:10938.4/56

Out: 0.507+/-0.004 χ^2/NDF:10198.8/62

All: 0.501+/-0.003 χ^2/NDF: 21142.9/119

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: -2.457+/-0.149 χ^2/NDF: 4145.4/37

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

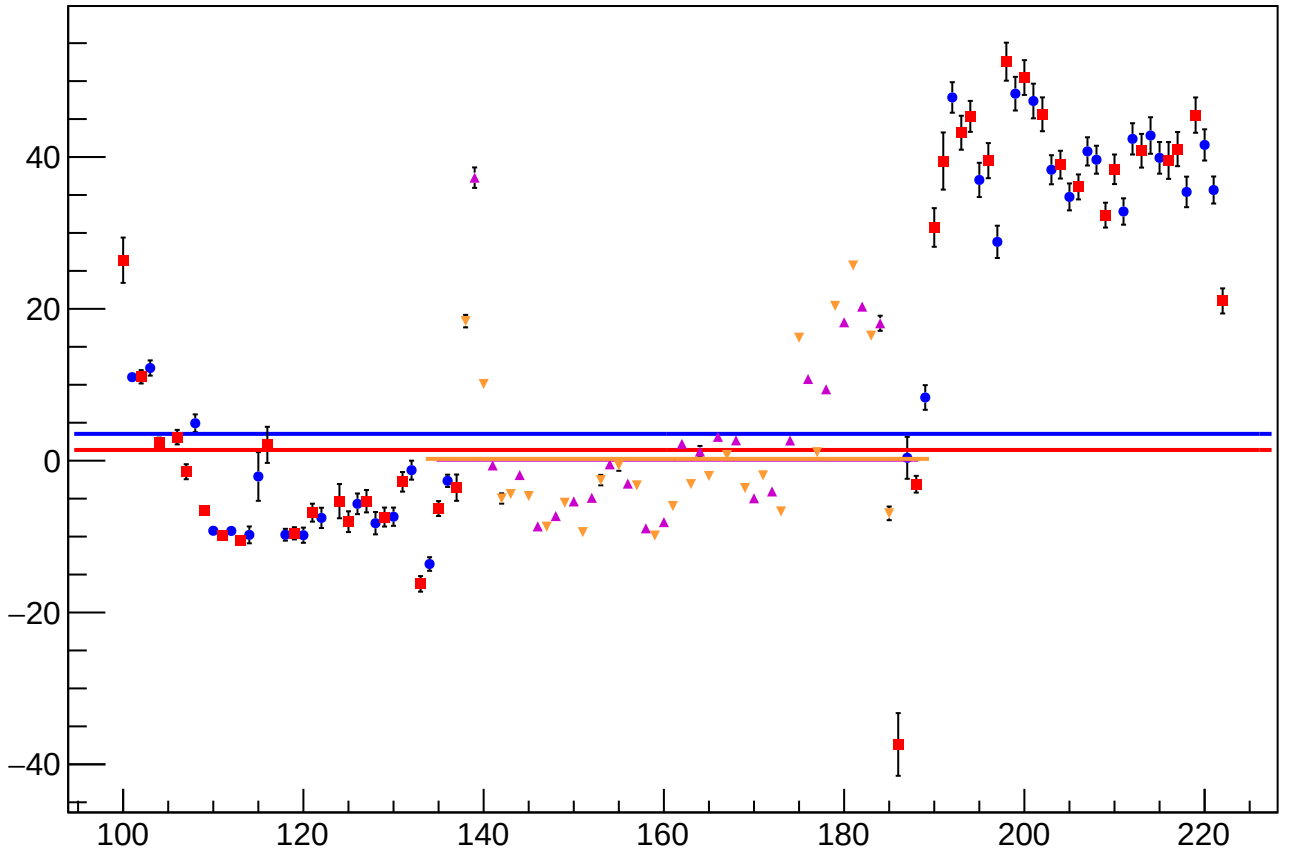
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.239+/-0.110 χ^2/NDF: 7057.6/71

In: -16.468+/-0.110 χ^2/NDF:29069.5/56

Out: -15.416+/-0.104 χ^2/NDF:38605.7/62

All: -15.912+/-0.075 χ^2/NDF: 67723.7/119



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: 1.412+/-0.198 χ^2/NDF: 7524.4/37

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

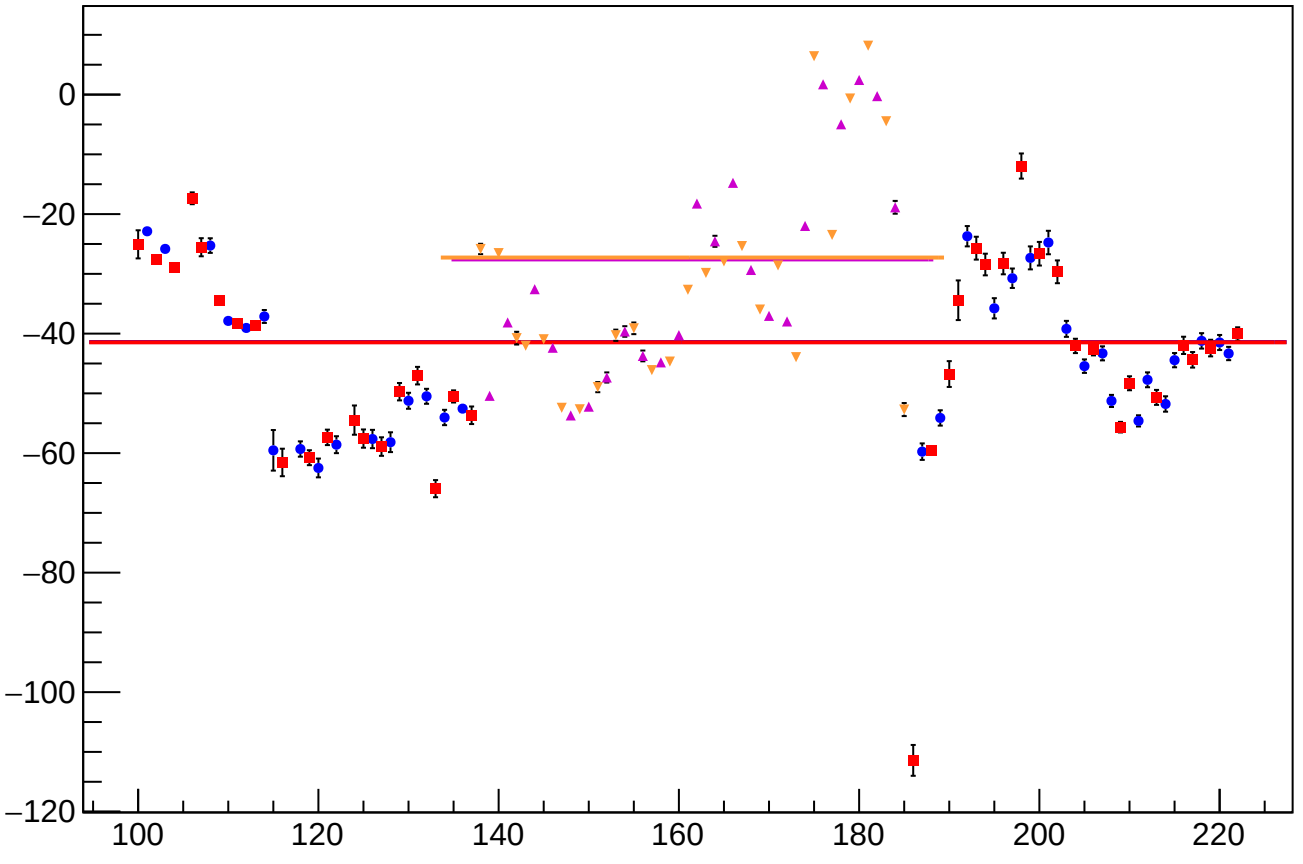
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 2.440+/-0.142 χ^2/NDF: 15251.7/71

In: 0.949+/-0.100 χ^2/NDF:13720.8/56

Out: 0.517+/-0.096 χ^2/NDF:15586.9/62

All: 0.725+/-0.069 χ^2/NDF: 29317.4/119



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: -41.455+/-0.173 χ^2/NDF: 5360.1/37

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

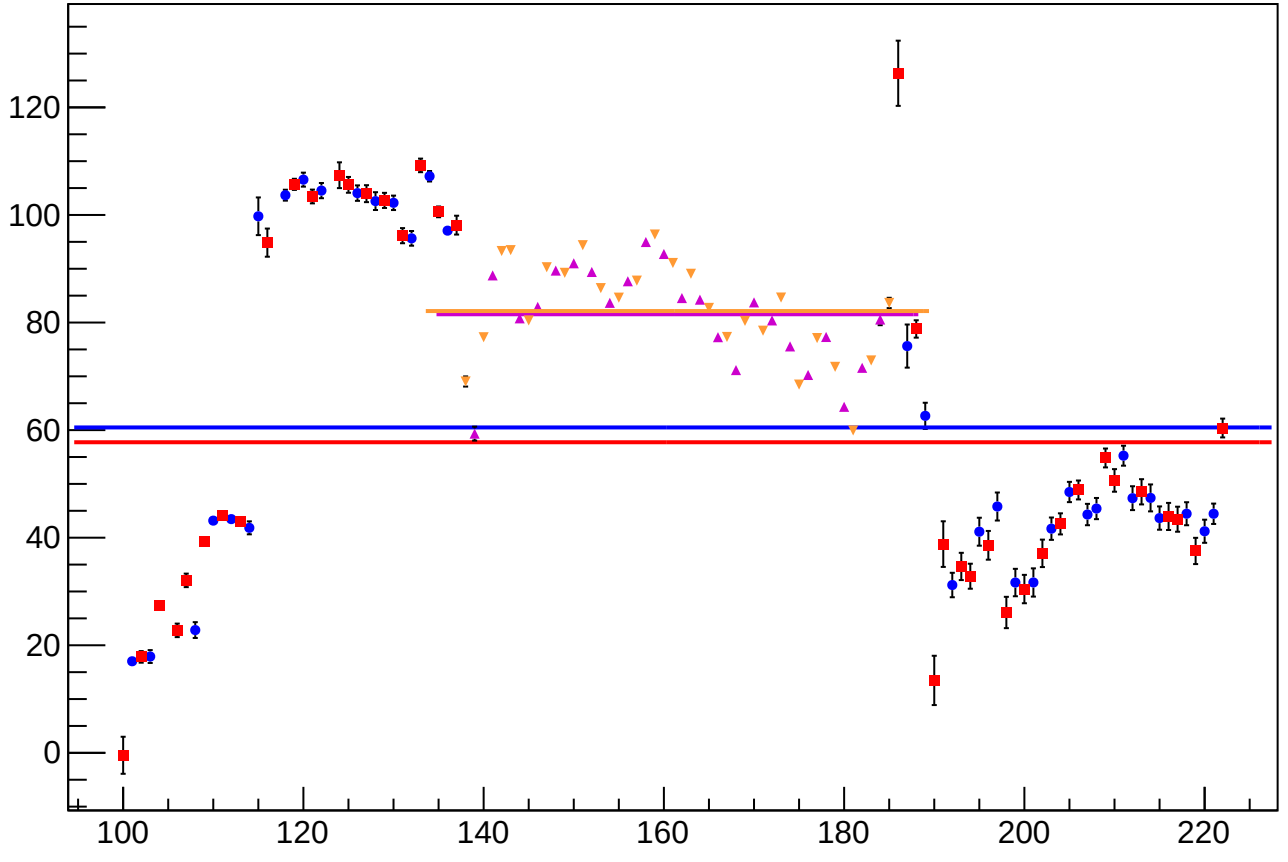
Right: -41.433+/-0.125 χ^2/NDF: 9368.1/71

In: -33.136+/-0.115 χ^2/NDF:23152.2/56

Out: -33.070+/-0.111 χ^2/NDF:27860.2/62

All: -33.102+/-0.080 χ^2/NDF: 51012.6/119

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: 57.744+/-0.225 χ^2/NDF: 18704.9/37

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

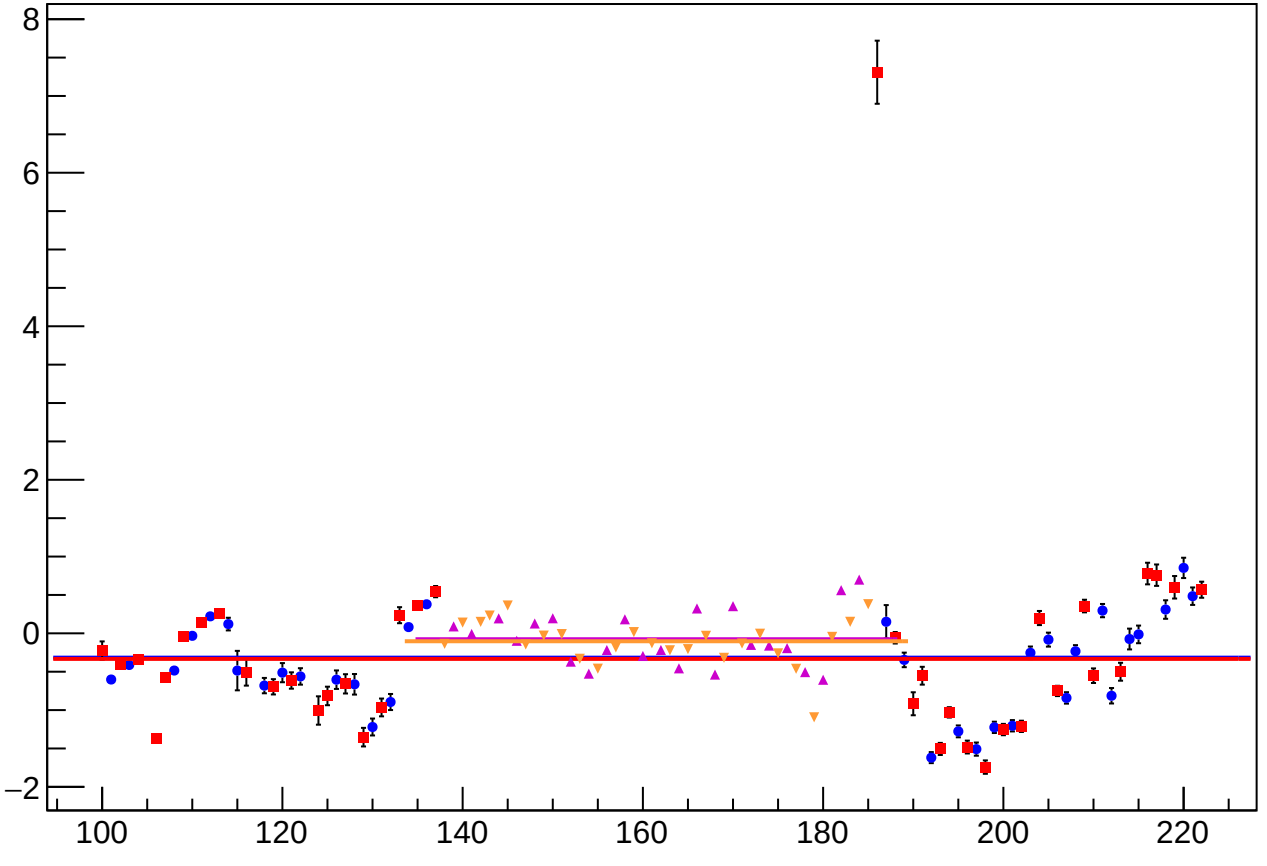
Right: 59.084+/-0.161 χ^2/NDF: 38684.8/71

In: 76.547+/-0.113 χ^2/NDF:30267.1/56

Out: 76.404+/-0.109 χ^2/NDF:33059.0/62

All: 76.473+/-0.078 χ^2/NDF: 63326.9/119

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: -0.333+/-0.011 χ^2/NDF: 3289.9/37

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

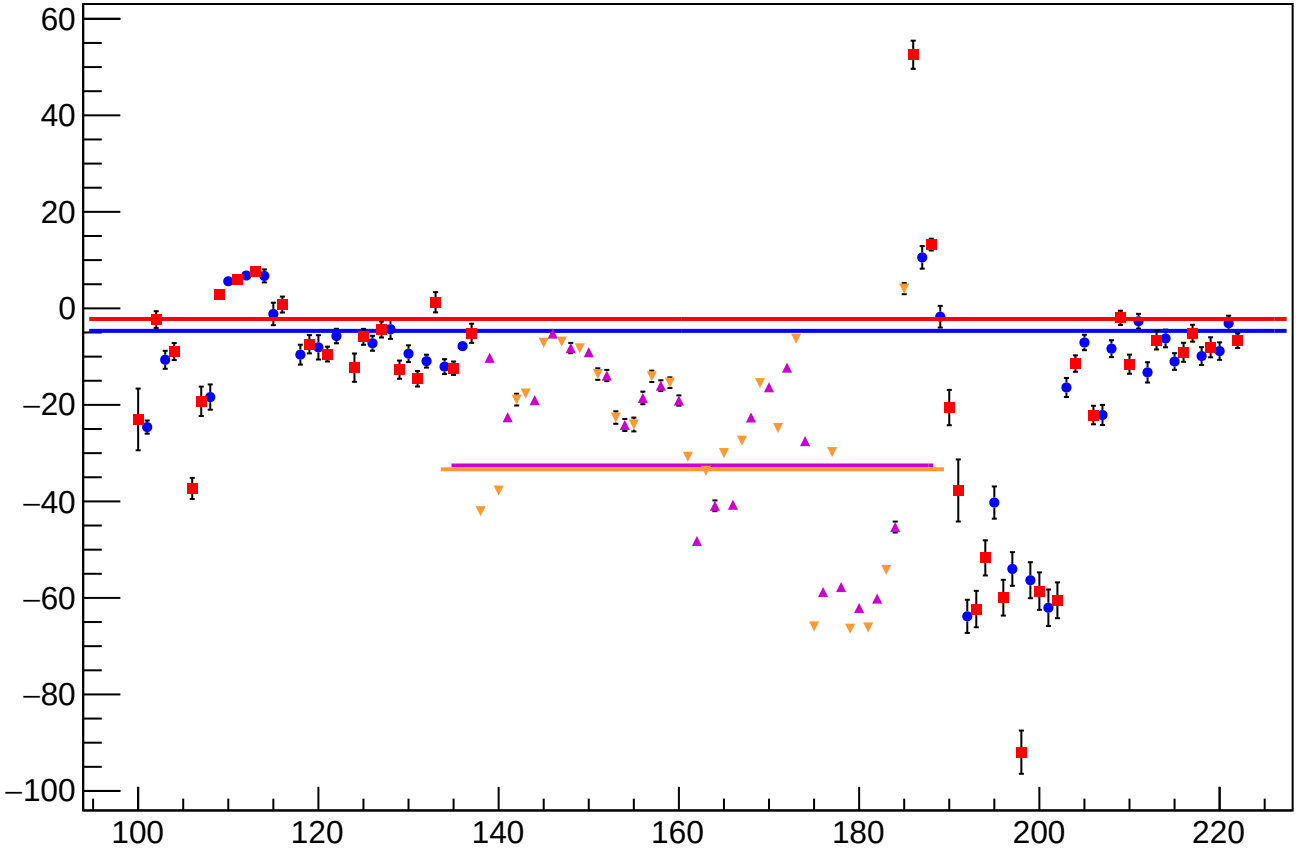
Right: -0.325+/-0.008 χ^2/NDF: 5567.8/71

In: -0.125+/-0.005 χ^2/NDF:5952.1/56

Out: -0.150+/-0.005 χ^2/NDF:6042.5/62

All: -0.138+/-0.004 χ^2/NDF: 12006.6/119

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.661+/-0.260 χ^2/NDF: 2229.4/33

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.195+/-0.245 χ^2/NDF: 3299.2/37

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

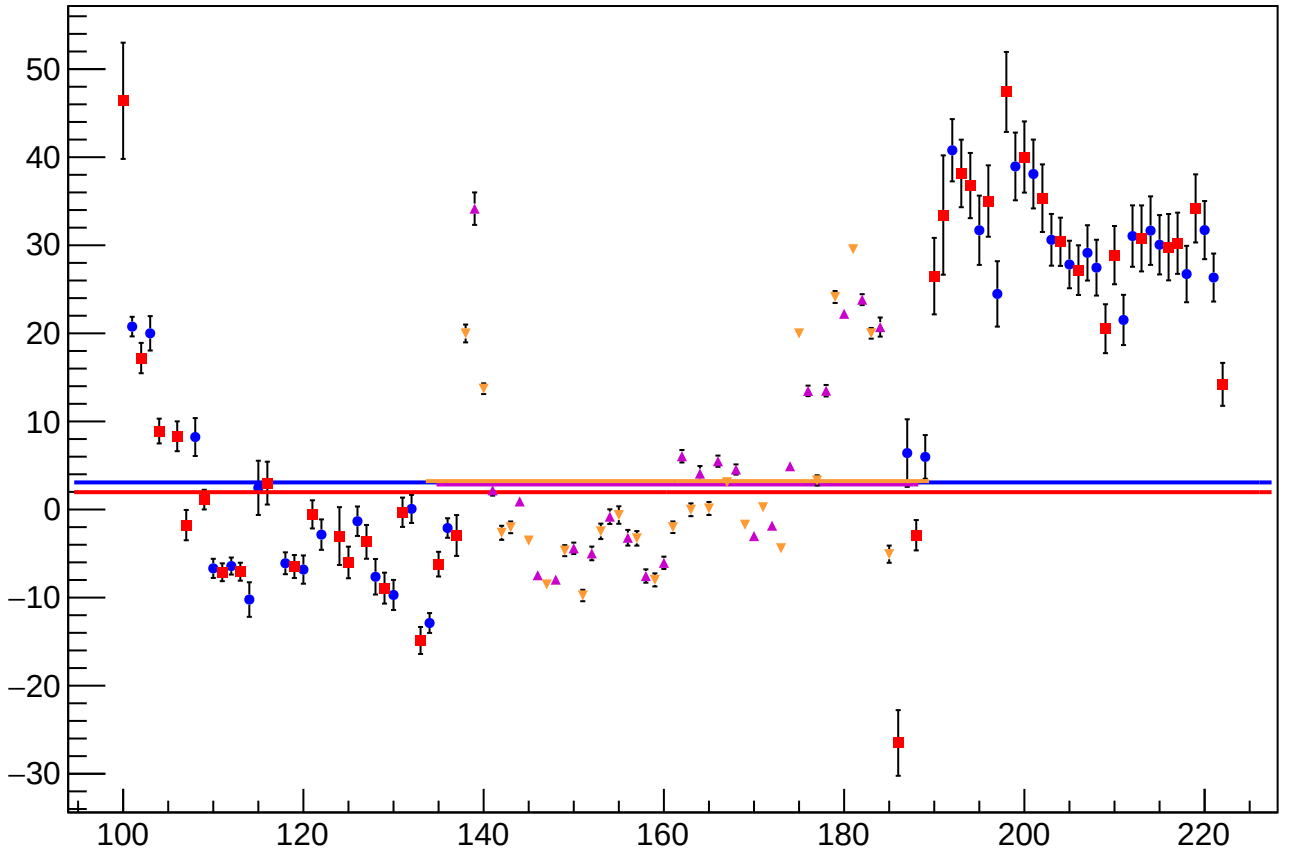
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -3.353+/-0.178 χ^2/NDF: 5576.4/71

In: -24.239+/-0.142 χ^2/NDF:24211.6/56

Out: -23.631+/-0.137 χ^2/NDF:32458.1/62

All: -23.923+/-0.098 χ^2/NDF: 56679.2/119



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: 1.969+/-0.321 χ^2/NDF: 1802.3/37

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

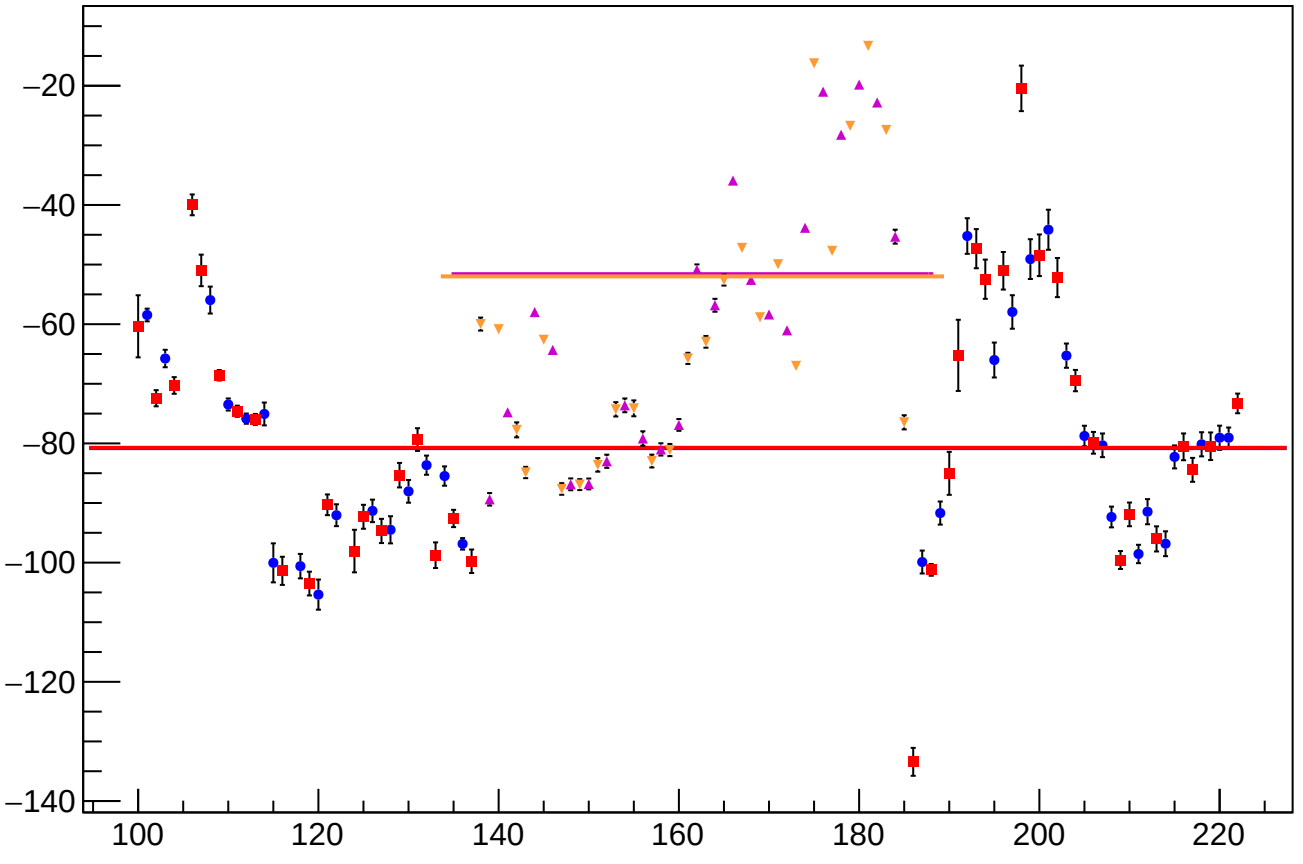
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 2.519+/-0.227 χ^2/NDF: 3884.1/71

In: 2.878+/-0.122 χ^2/NDF:7531.9/56

Out: 3.051+/-0.119 χ^2/NDF:9491.1/62

All: 2.966+/-0.085 χ^2/NDF: 17024.0/119



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: -80.742+/-0.284 χ^2/NDF: 3548.0/37

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

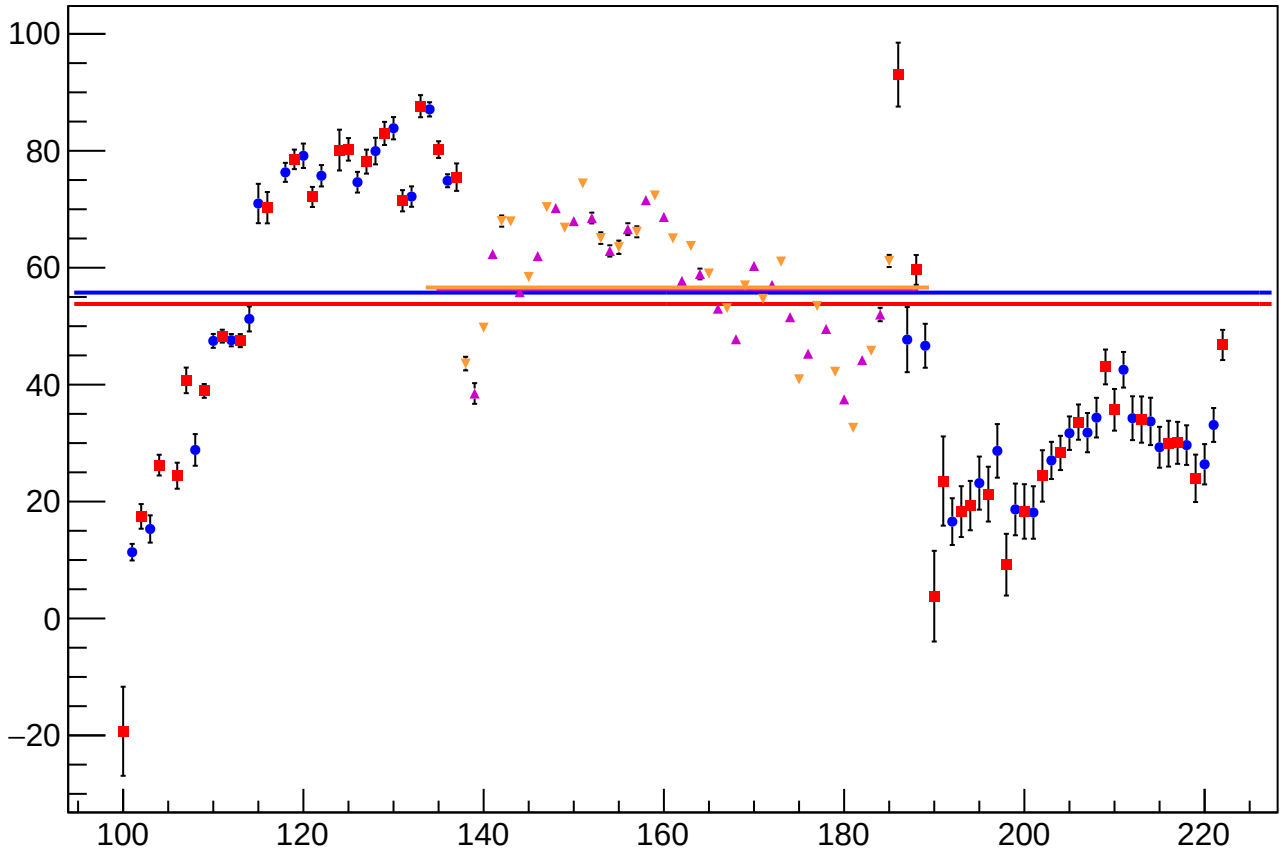
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.766+/-0.204 χ^2/NDF: 5835.7/71

In: -58.942+/-0.146 χ^2/NDF:27394.0/56

Out: -59.222+/-0.143 χ^2/NDF:32101.4/62

All: -59.086+/-0.102 χ^2/NDF: 59497.2/119



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: 53.799+/-0.363 χ^2/NDF: 3668.7/37

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

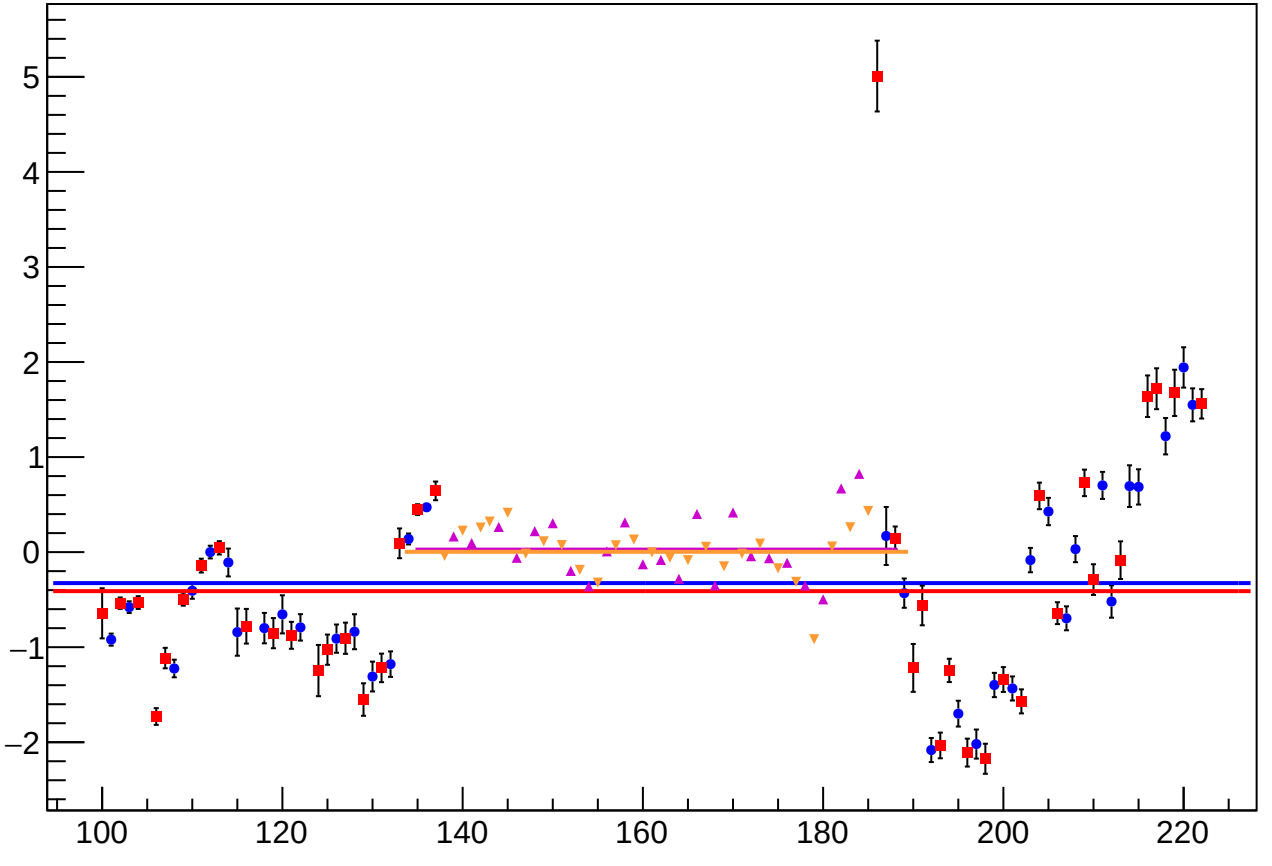
Right: 54.772+/-0.257 χ^2/NDF: 7998.3/71

In: 56.262+/-0.137 χ^2/NDF:8286.3/56

Out: 56.230+/-0.134 χ^2/NDF:9386.8/62

All: 56.246+/-0.096 χ^2/NDF: 17673.1/119

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: -0.411+/-0.019 χ^2/NDF: 2193.7/37

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

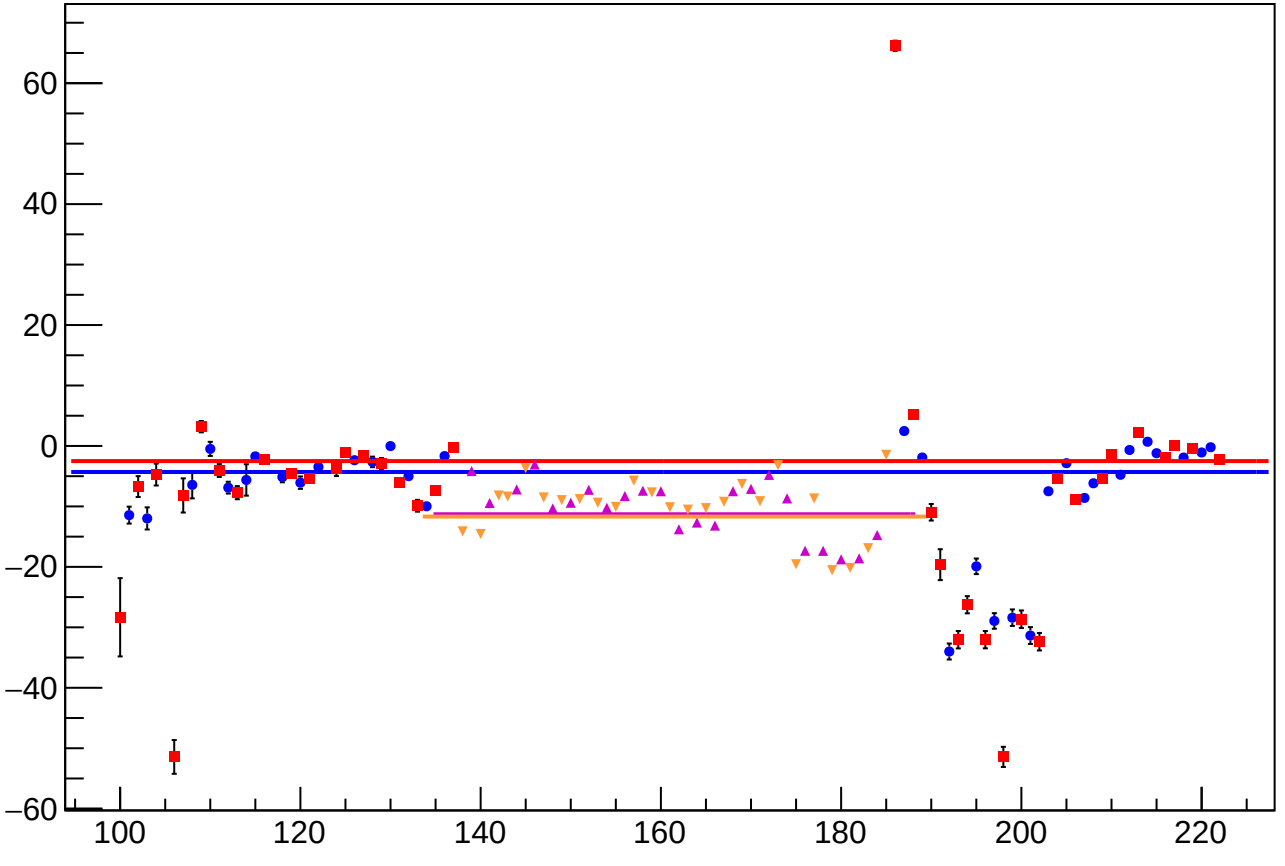
Right: -0.368+/-0.013 χ^2/NDF: 3951.3/71

In: -0.013+/-0.006 χ^2/NDF:4416.9/56

Out: -0.041+/-0.006 χ^2/NDF:4334.1/62

All: -0.027+/-0.004 χ^2/NDF: 8761.0/119

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: -2.502+/-0.134 χ^2/NDF: 10596.6/37

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

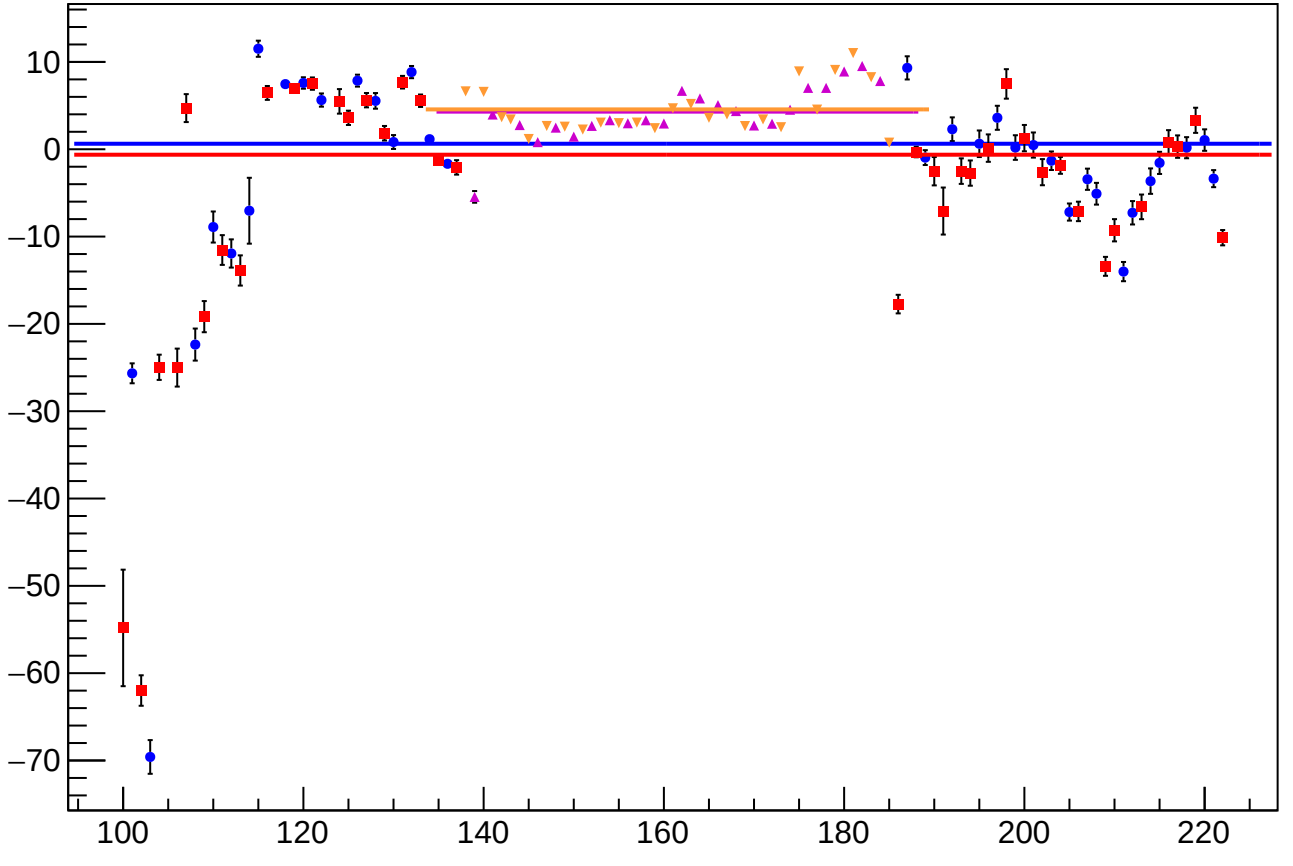
Right: -3.428+/-0.093 χ^2/NDF: 12967.6/71

In: -10.276+/-0.050 χ^2/NDF:13968.9/56

Out: -10.448+/-0.049 χ^2/NDF:27277.4/62

All: -10.363+/-0.035 χ^2/NDF: 41252.4/119

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: -0.625+/-0.165 χ^2/NDF: 3328.0/37

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

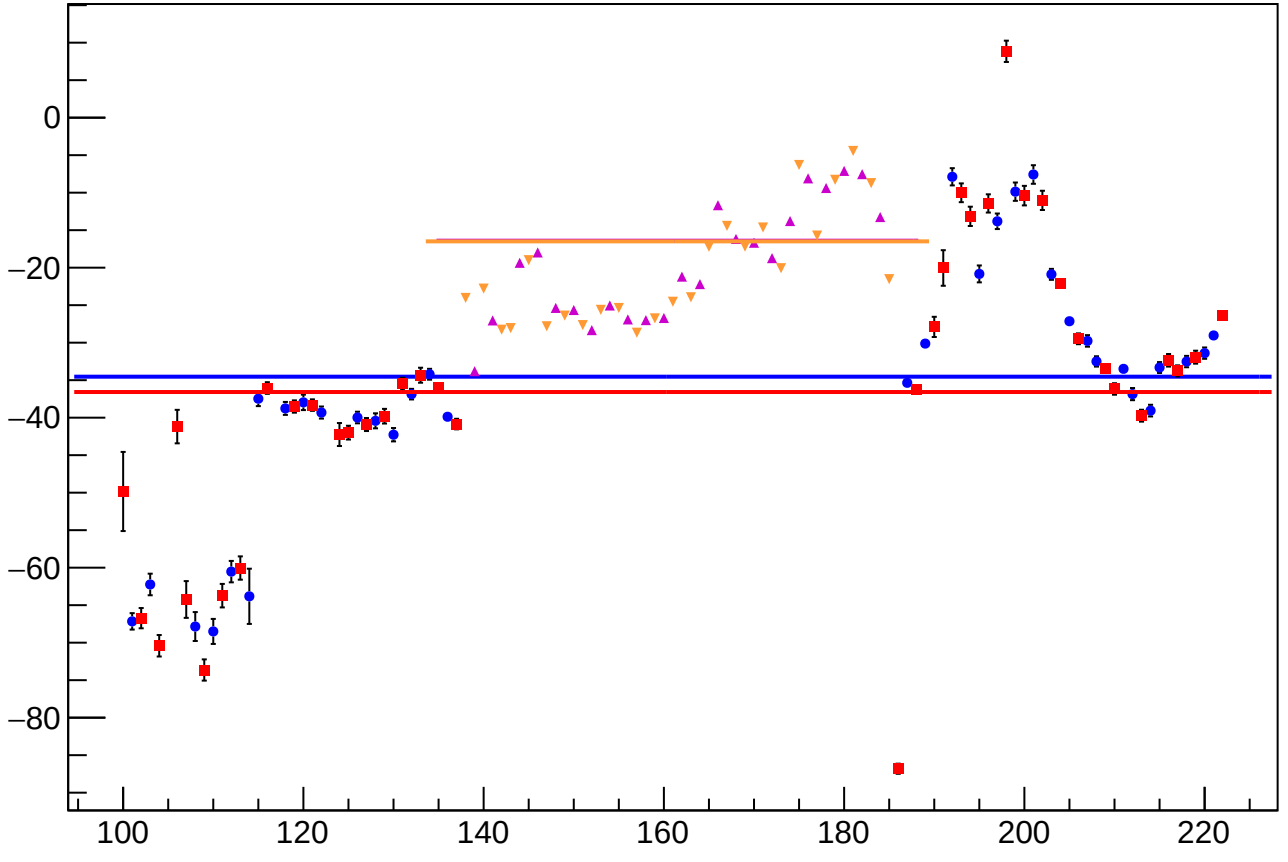
Right: 0.035+/-0.114 χ^2/NDF: 6633.5/71

In: 4.062+/-0.041 χ^2/NDF:7395.7/56

Out: 4.258+/-0.040 χ^2/NDF:8611.3/62

All: 4.161+/-0.029 χ^2/NDF: 16018.8/119

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.535+/-0.136 χ^2/NDF: 5542.9/33

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -36.579+/-0.138 χ^2/NDF: 12232.9/37

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

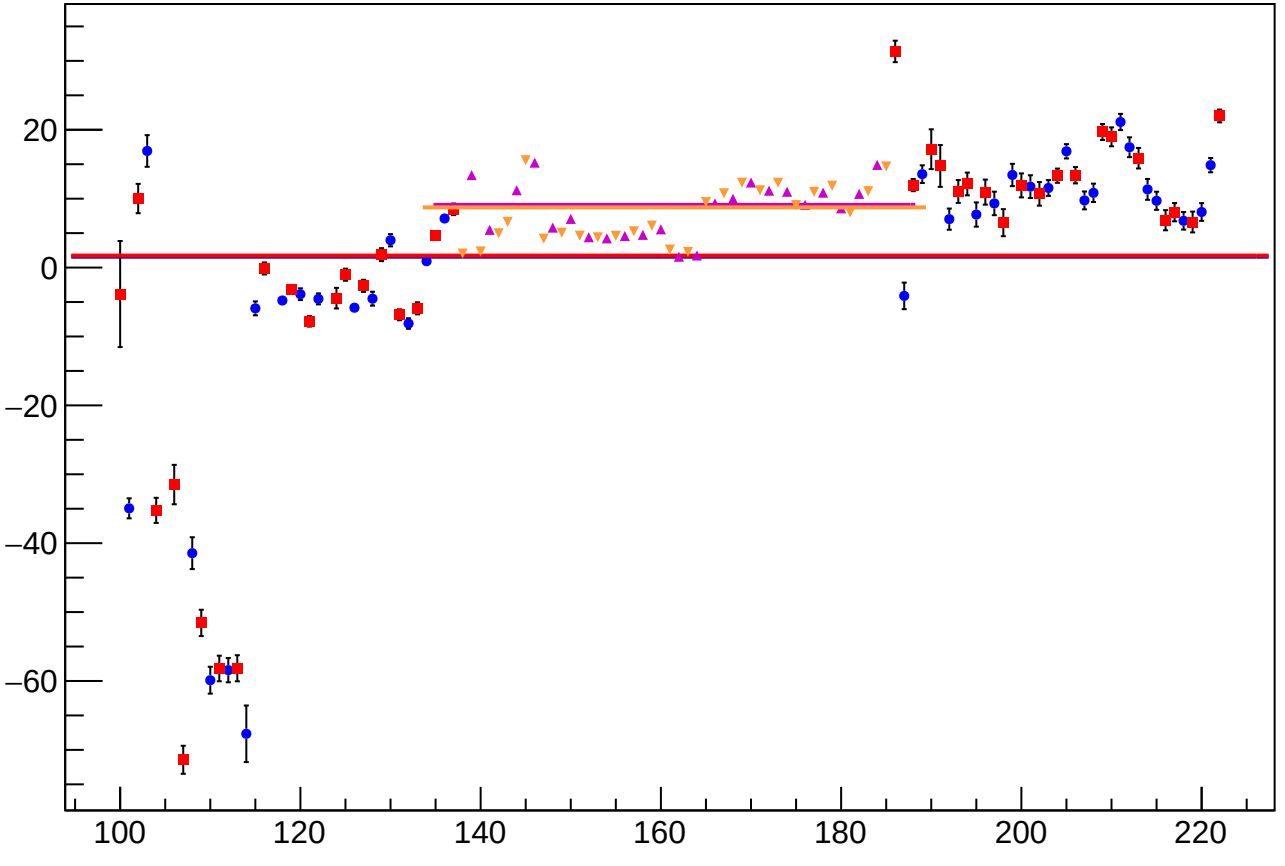
Right: -35.542+/-0.097 χ^2/NDF: 17886.6/71

In: -18.856+/-0.050 χ^2/NDF:38875.9/56

Out: -19.045+/-0.049 χ^2/NDF:52621.0/62

All: -18.952+/-0.035 χ^2/NDF: 91504.2/119

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: 1.737+/-0.187 χ^2/NDF: 7163.3/37

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

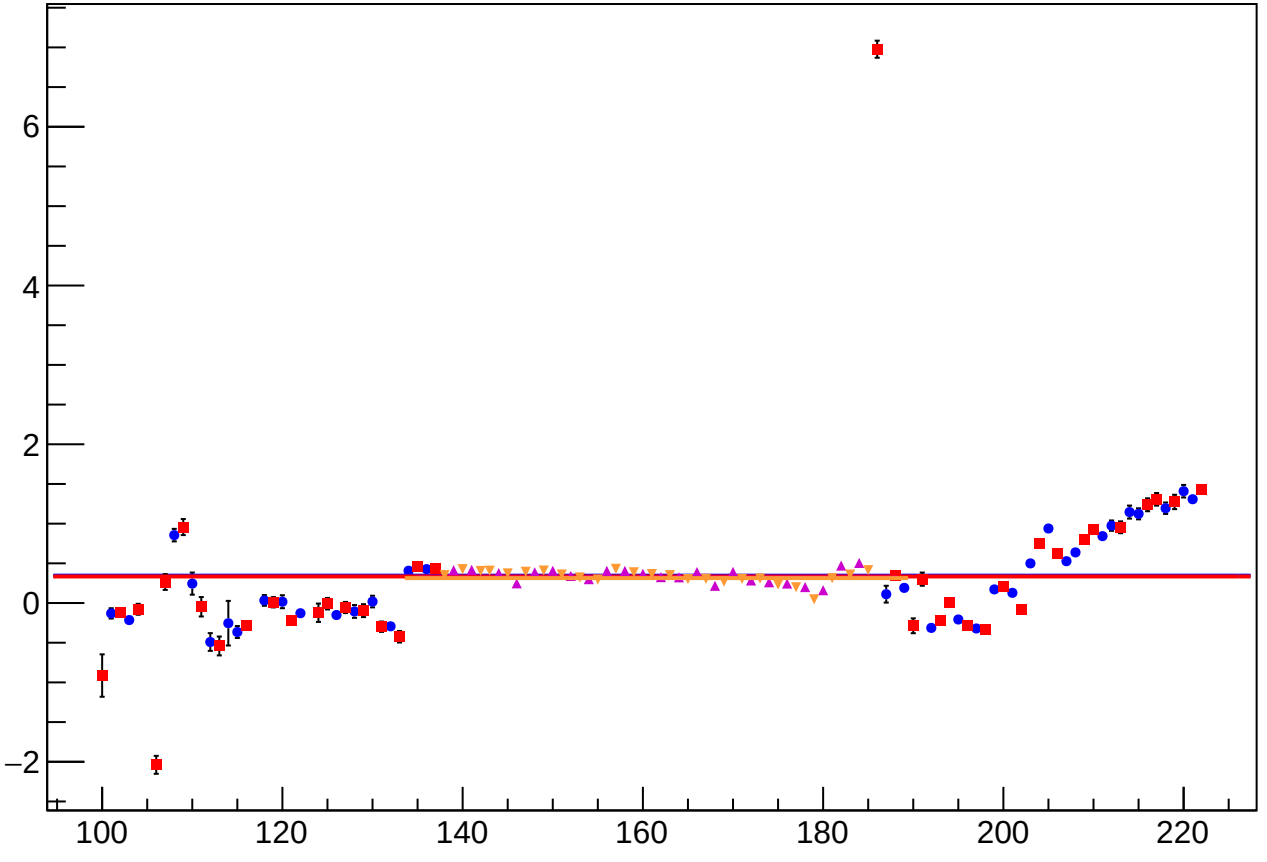
Right: 1.653+/-0.128 χ^2/NDF: 12646.9/71

In: 8.589+/-0.045 χ^2/NDF:12943.0/56

Out: 8.334+/-0.045 χ^2/NDF:15353.9/62

All: 8.459+/-0.032 χ^2/NDF: 28312.9/119

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: 0.335+/-0.009 χ^2/NDF: 6673.0/37

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

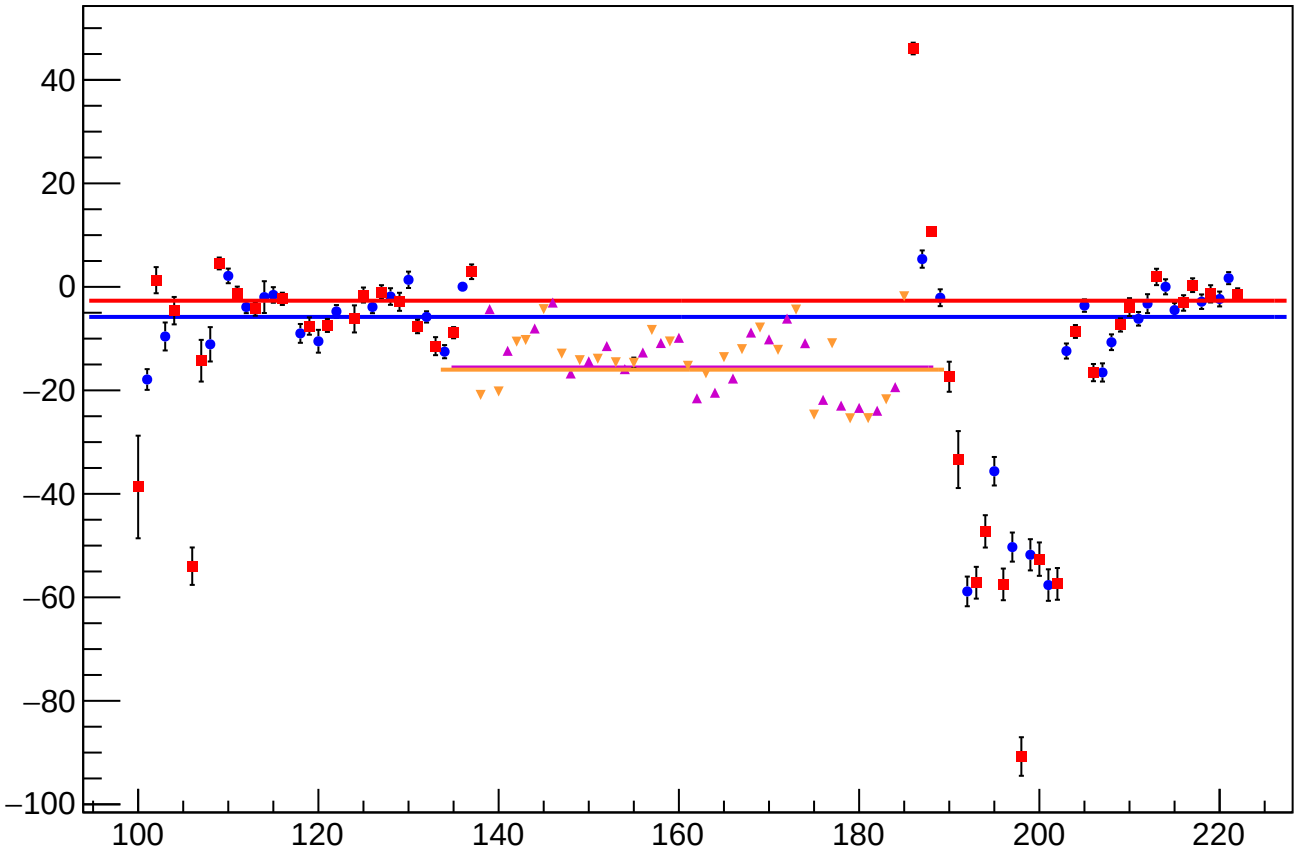
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.340+/-0.006 χ^2/NDF: 8972.8/71

In: 0.320+/-0.002 χ^2/NDF:4095.3/56

Out: 0.315+/-0.002 χ^2/NDF:8279.7/62

All: 0.317+/-0.001 χ^2/NDF: 12378.3/119



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: -2.674+/-0.257 χ^2/NDF: 4596.4/37

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

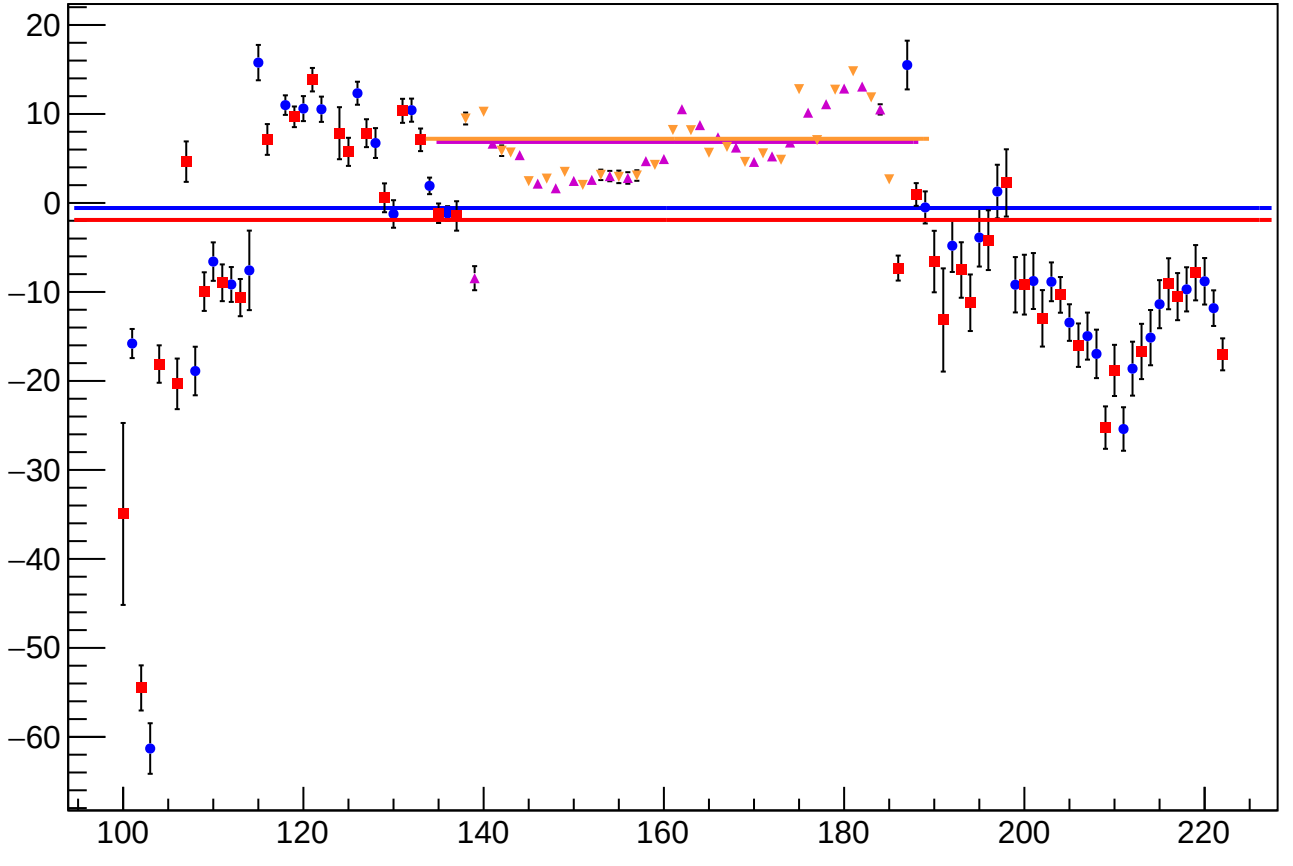
Right: -4.244+/-0.182 χ^2/NDF: 6311.3/71

In: -14.248+/-0.095 χ^2/NDF:7654.1/56

Out: -14.269+/-0.093 χ^2/NDF:12895.7/62

All: -14.259+/-0.066 χ^2/NDF: 20549.9/119

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: -1.909+/-0.316 χ^2/NDF: 1422.7/37

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

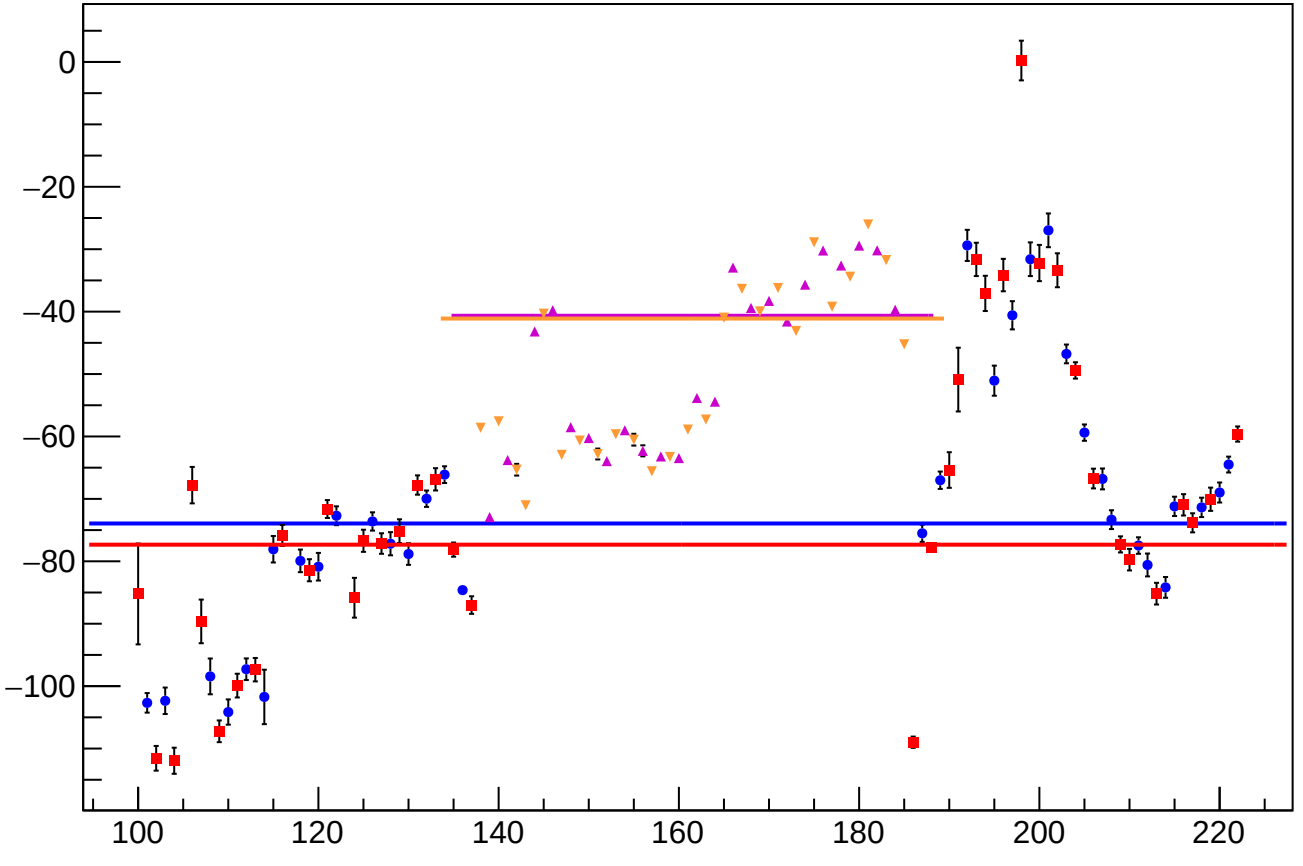
Right: -1.217+/-0.220 χ^2/NDF: 2954.6/71

In: 6.372+/-0.078 χ^2/NDF:4226.2/56

Out: 6.663+/-0.078 χ^2/NDF:4659.4/62

All: 6.519+/-0.055 χ^2/NDF: 8892.6/119

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -73.942+/-0.272 χ^2/NDF: 3138.1/33

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -77.339+/-0.269 χ^2/NDF: 5207.3/37

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

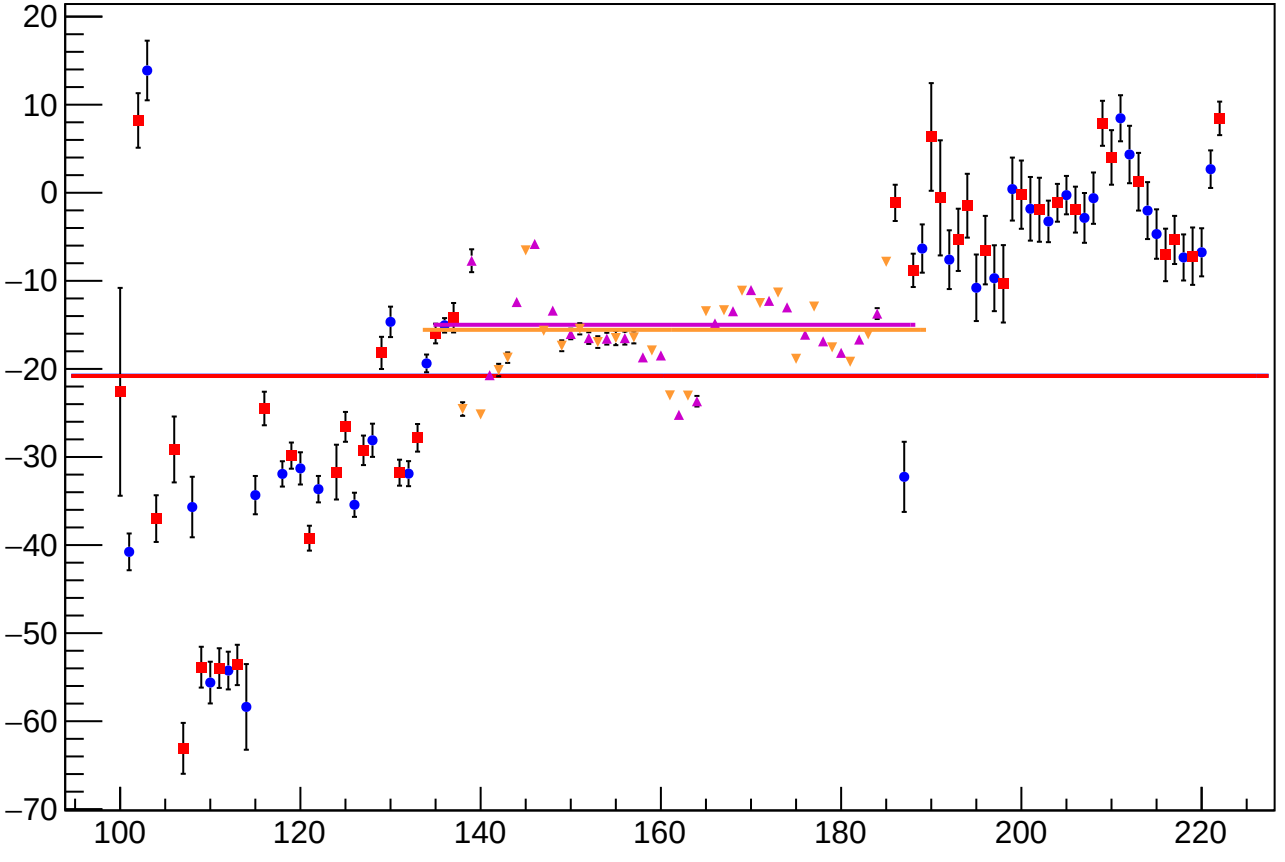
Right: -75.660+/-0.191 χ^2/NDF: 8424.2/71

In: -44.783+/-0.096 χ^2/NDF:29793.6/56

Out: -45.513+/-0.094 χ^2/NDF:37155.2/62

All: -45.155+/-0.067 χ^2/NDF: 66978.5/119

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -20.768+/-0.342 χ^2/NDF: 1981.4/33

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -20.806+/-0.361 χ^2/NDF: 2303.2/37

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

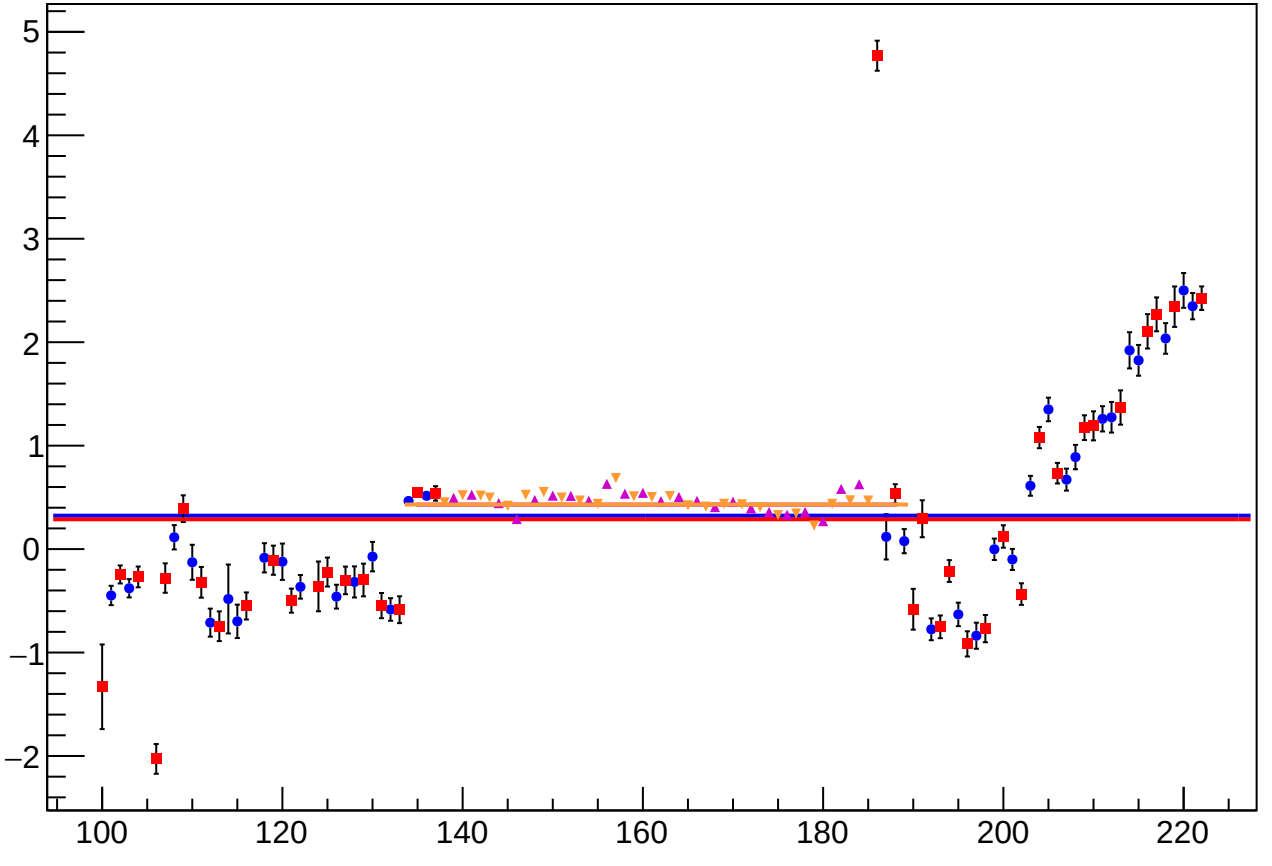
Right: -20.786+/-0.248 χ^2/NDF: 4284.5/71

In: -15.367+/-0.087 χ^2/NDF:4399.6/56

Out: -15.863+/-0.086 χ^2/NDF:5052.1/62

All: -15.618+/-0.061 χ^2/NDF: 9468.0/119

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: 0.288+/-0.019 χ^2/NDF: 2966.0/37

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

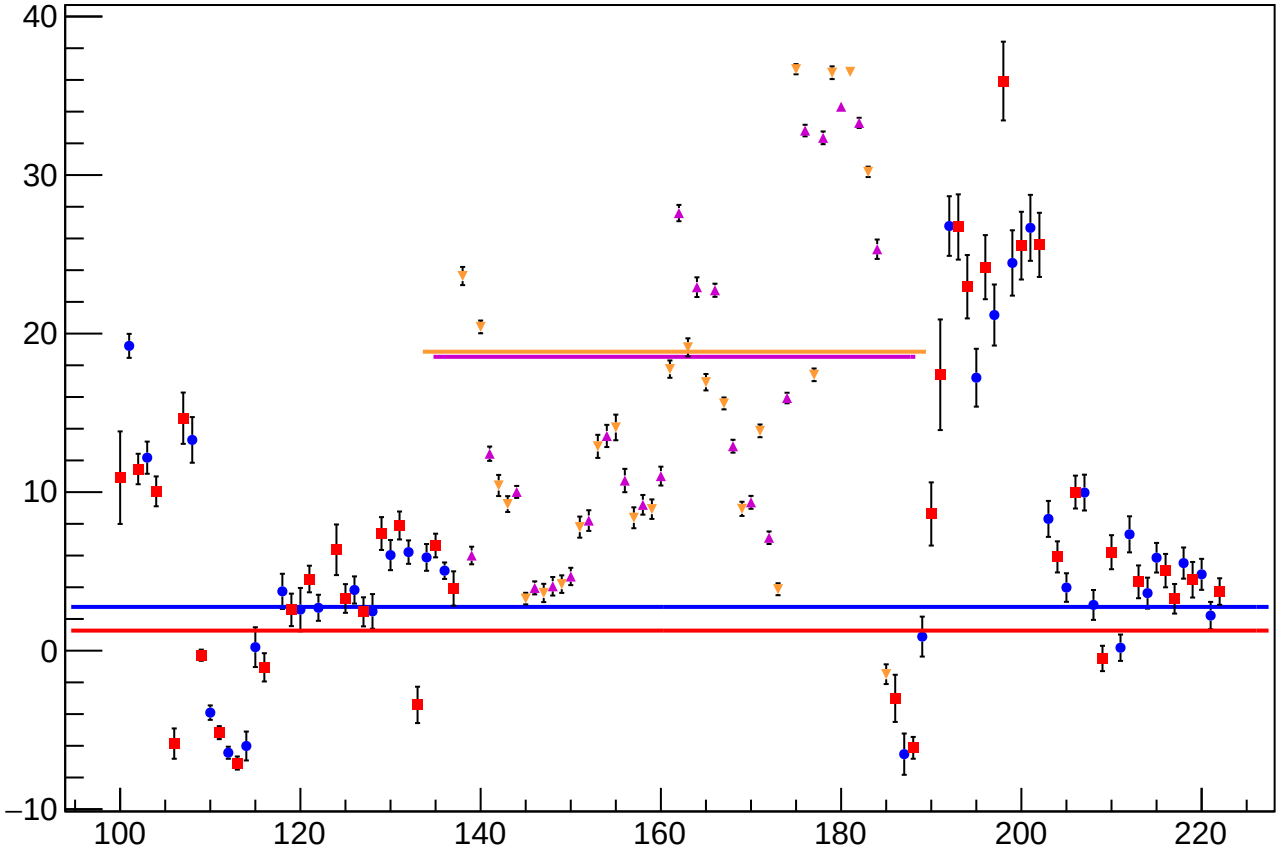
Right: 0.307+/-0.013 χ^2/NDF: 4707.9/71

In: 0.424+/-0.004 χ^2/NDF:2360.2/56

Out: 0.424+/-0.004 χ^2/NDF:3440.9/62

All: 0.424+/-0.003 χ^2/NDF: 5801.1/119

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: 1.267+/-0.142 χ^2/NDF: 2402.9/37

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

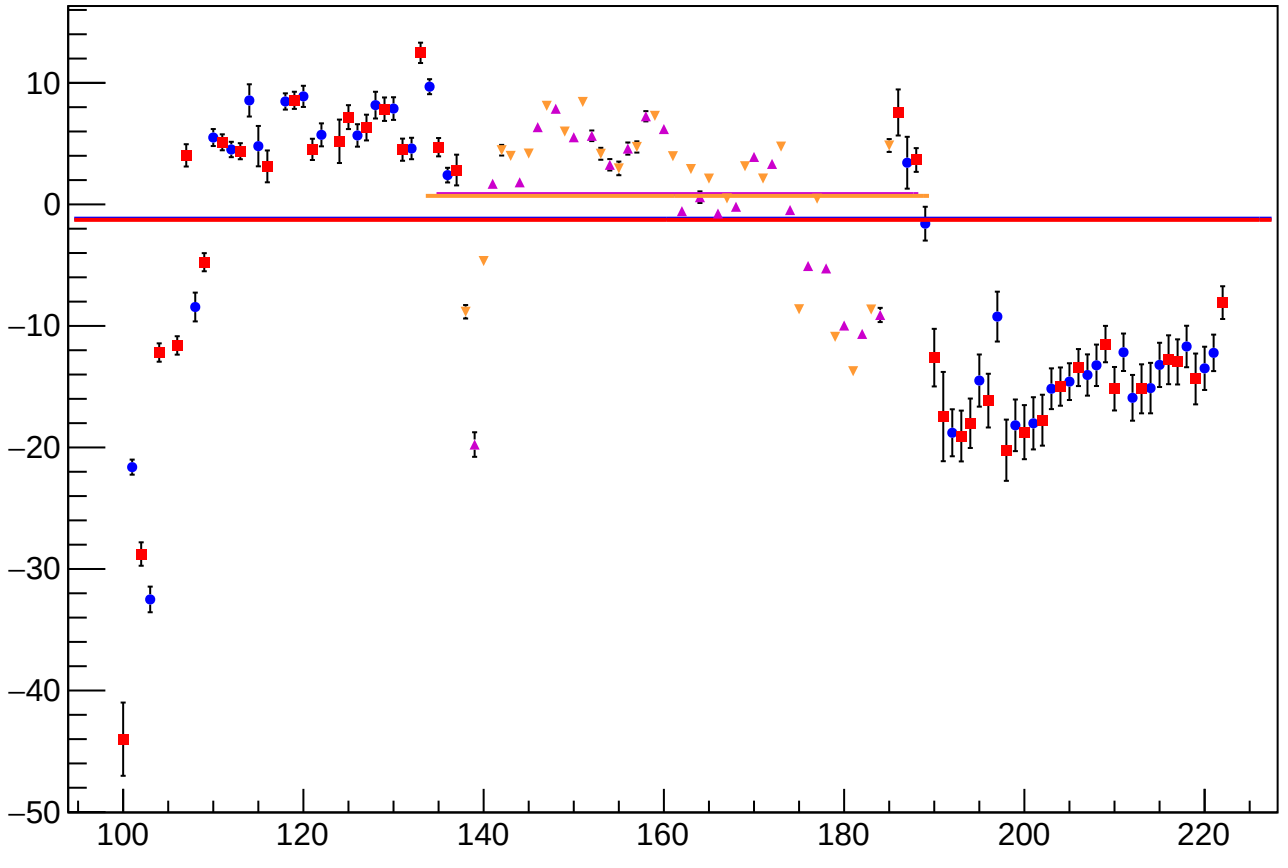
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.970+/-0.103 χ^2/NDF: 4761.4/71

In: 14.162+/-0.079 χ^2/NDF:24308.2/56

Out: 13.787+/-0.076 χ^2/NDF:31689.9/62

All: 13.967+/-0.055 χ^2/NDF: 56009.7/119



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: -1.271+/-0.181 χ^2/NDF: 3378.5/37

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

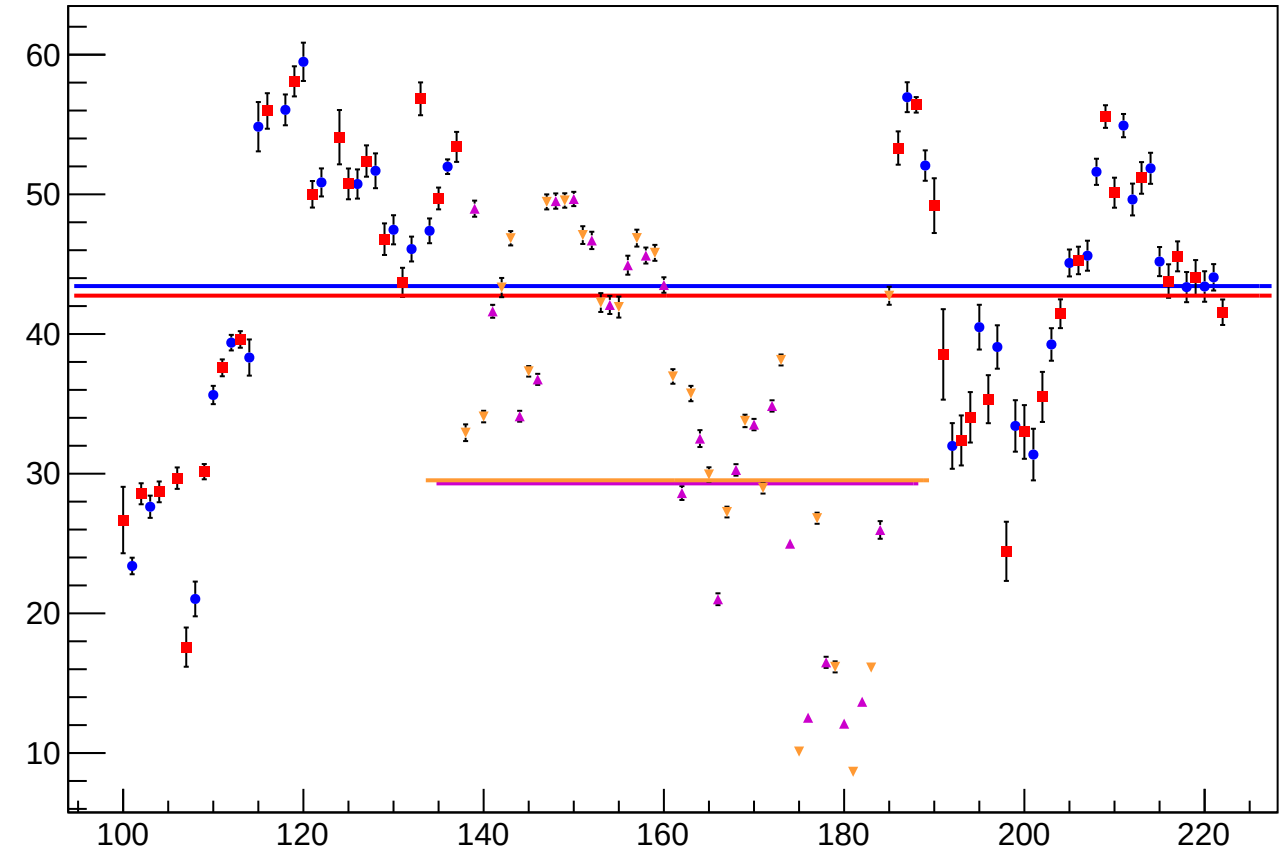
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -1.223+/-0.129 χ^2/NDF: 7490.3/71

In: 0.573+/-0.067 χ^2/NDF:10262.6/56

Out: 0.442+/-0.066 χ^2/NDF:11719.3/62

All: 0.506+/-0.047 χ^2/NDF: 21983.9/119



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: 42.748+/-0.160 χ^2/NDF: 4126.4/37

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

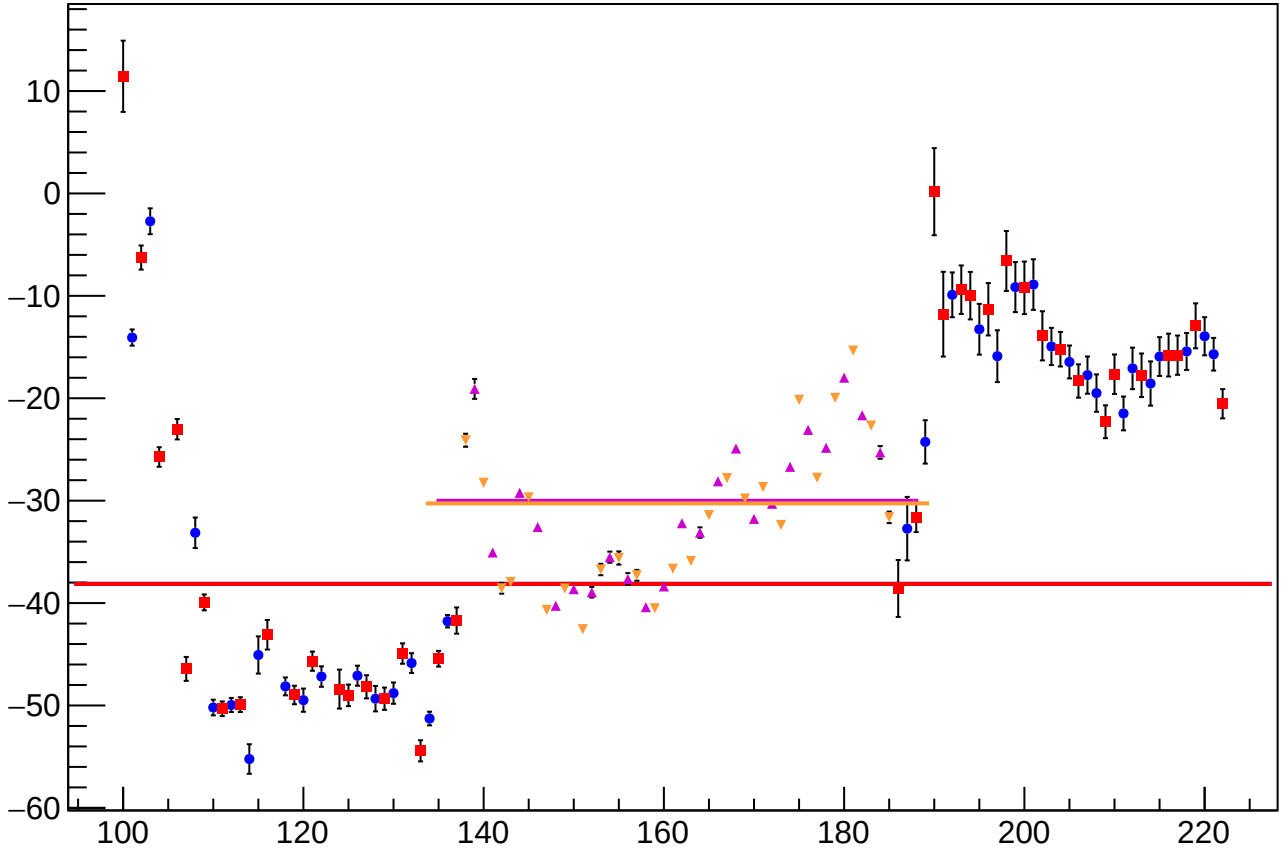
Right: 43.080+/-0.115 χ^2/NDF: 7705.4/71

In: 32.707+/-0.081 χ^2/NDF:26984.8/56

Out: 32.725+/-0.079 χ^2/NDF:30365.1/62

All: 32.716+/-0.057 χ^2/NDF: 57349.9/119

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: -38.133+/-0.206 χ^2/NDF: 4942.4/37

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

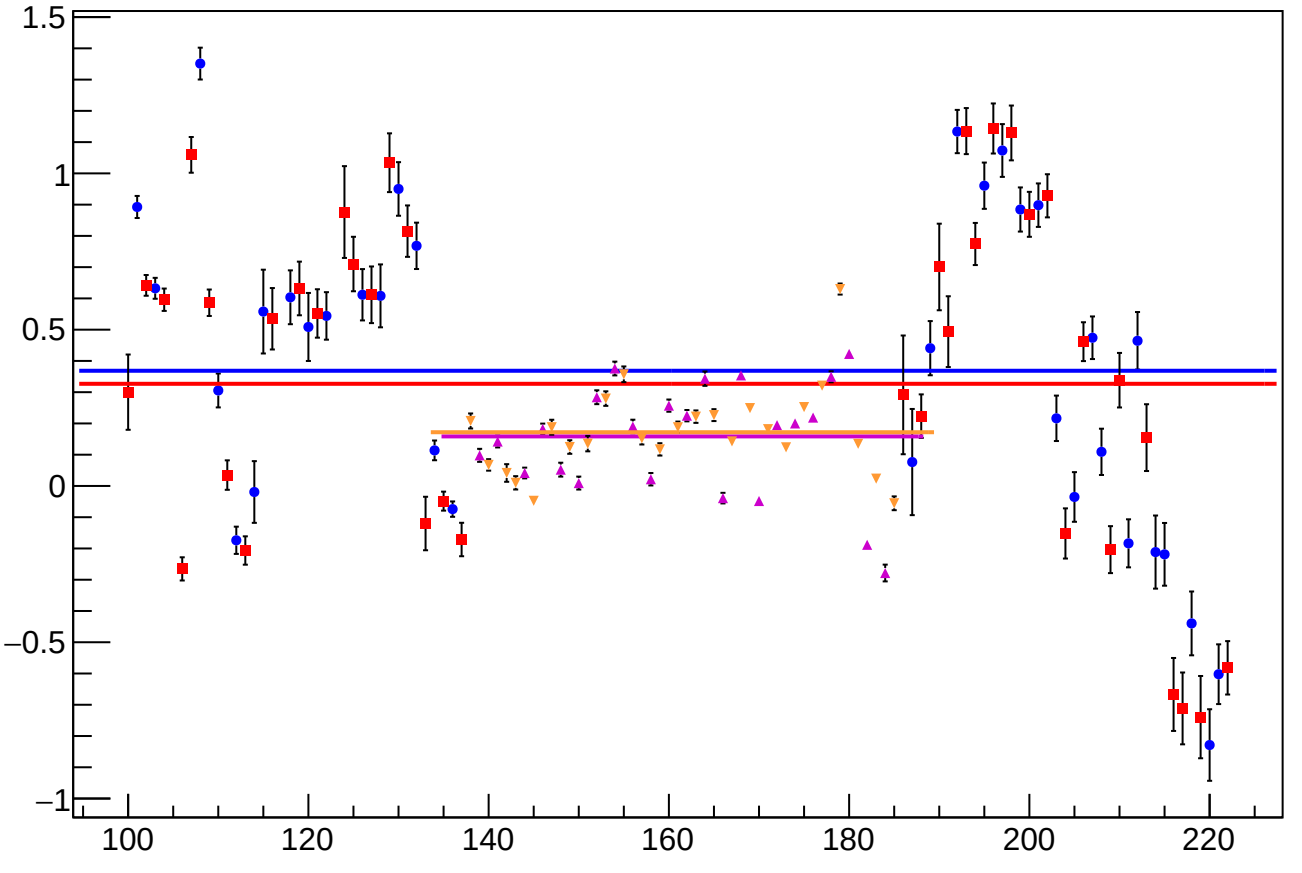
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -38.125+/-0.146 χ^2/NDF: 10633.9/71

In: -31.105+/-0.076 χ^2/NDF:13115.0/56

Out: -31.282+/-0.074 χ^2/NDF:14711.8/62

All: -31.195+/-0.053 χ^2/NDF: 27829.6/119



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: 0.327+/-0.010 χ^2/NDF: 2129.9/37

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

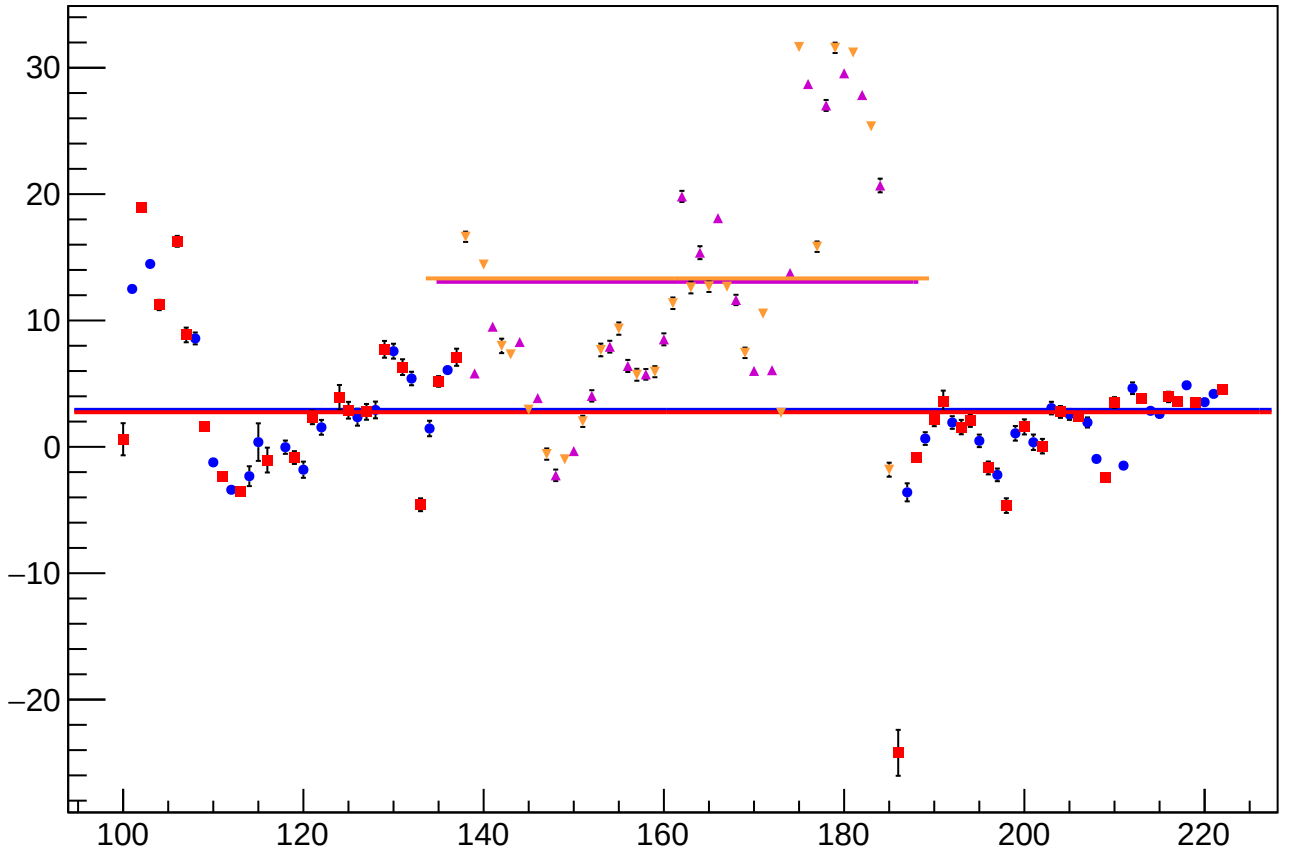
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.348+/-0.007 χ^2/NDF: 4261.5/71

In: 0.182+/-0.003 χ^2/NDF:4676.5/56

Out: 0.188+/-0.003 χ^2/NDF:3833.5/62

All: 0.185+/-0.002 χ^2/NDF: 8512.1/119



Right In: 2.929+/-0.076 χ^2/NDF: 3402.0/33

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.742+/-0.073 χ^2/NDF: 5441.9/37

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

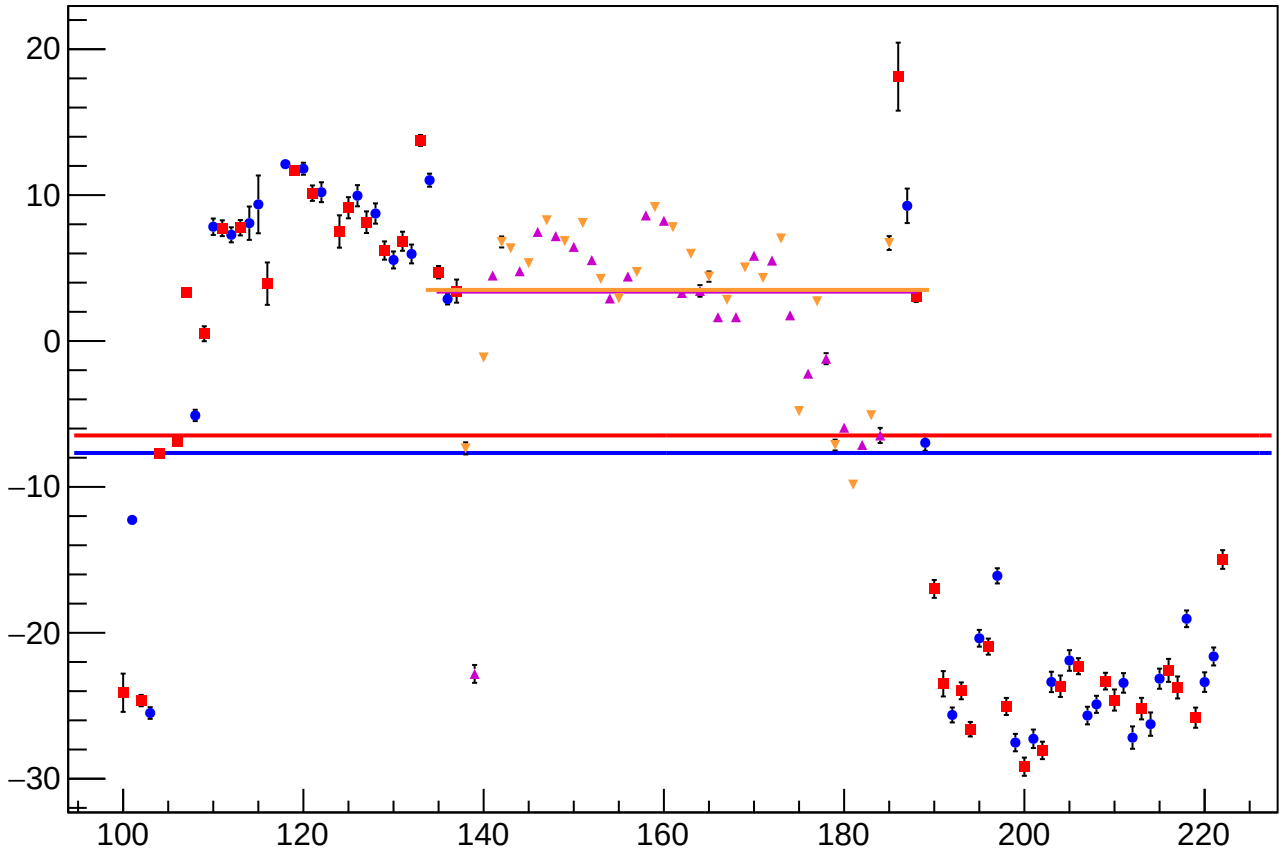
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.832+/-0.053 χ^2/NDF: 8847.0/71

In: 7.800+/-0.055 χ^2/NDF:27434.1/56

Out: 7.803+/-0.053 χ^2/NDF:34805.6/62

All: 7.802+/-0.038 χ^2/NDF: 62239.7/119



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: -6.474+/-0.087 χ^2/NDF: 28308.2/37

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

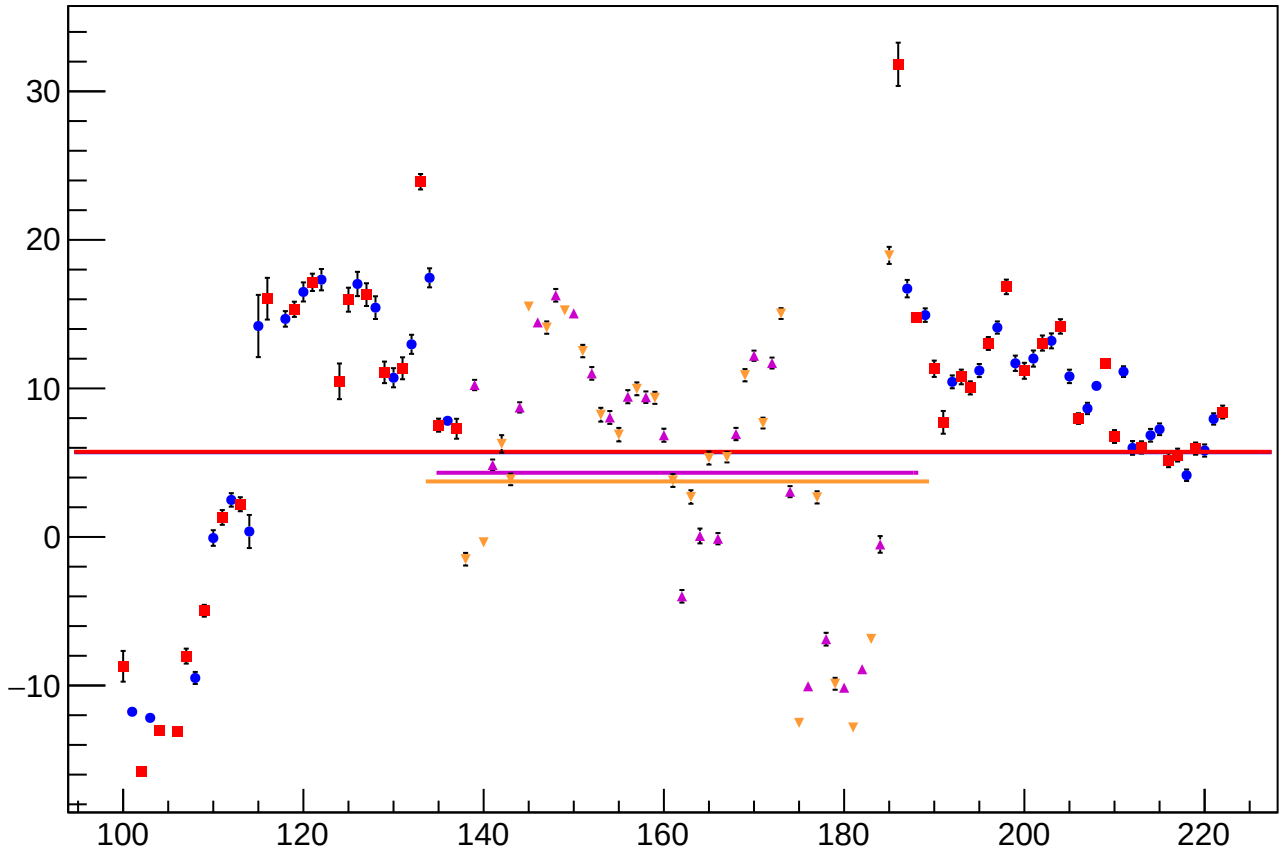
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -7.047+/-0.063 χ^2/NDF: 54693.5/71

In: -0.018+/-0.051 χ^2/NDF:43116.0/56

Out: 0.414+/-0.049 χ^2/NDF:45205.0/62

All: 0.207+/-0.035 χ^2/NDF: 88358.8/119



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: 5.732+/-0.074 χ^2/NDF: 20437.4/37

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

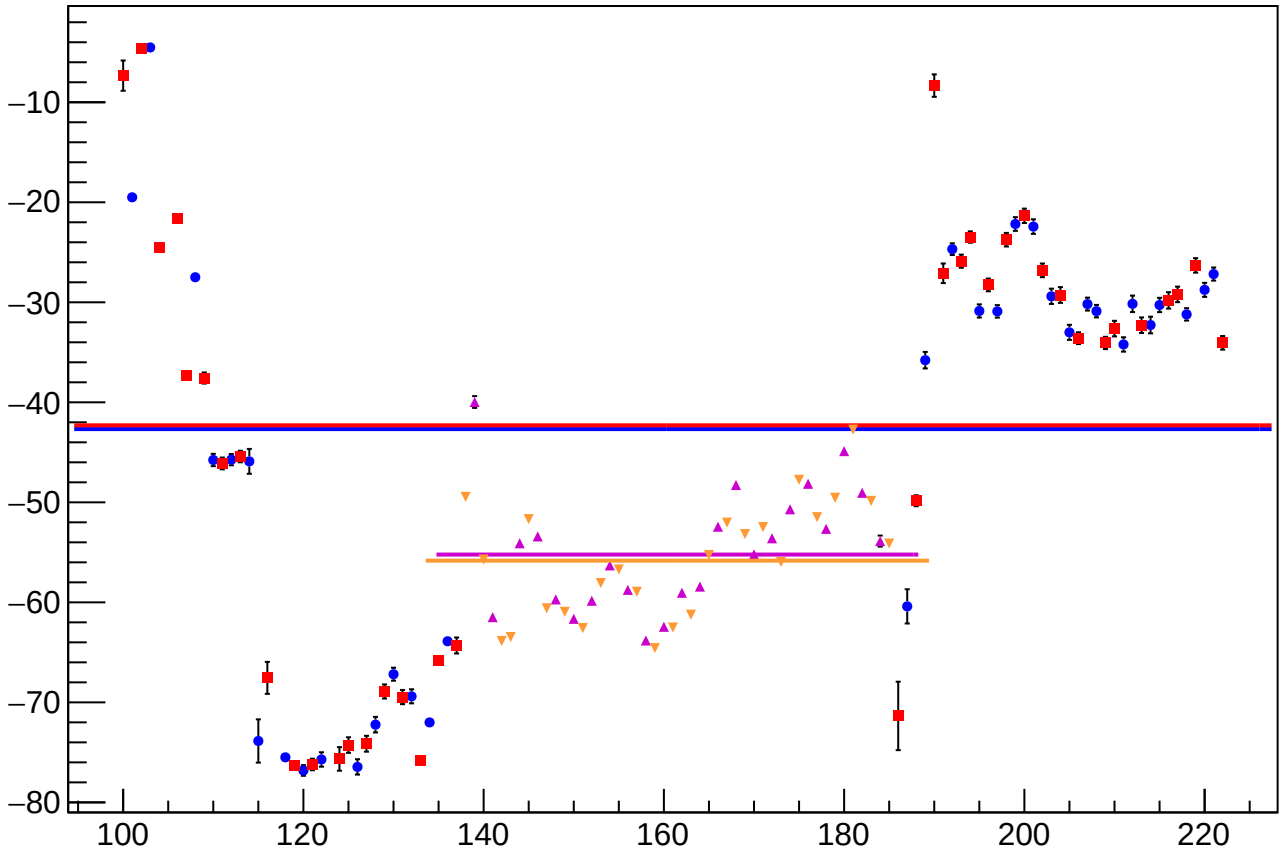
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.718+/-0.053 χ^2/NDF: 34635.0/71

In: 5.029+/-0.055 χ^2/NDF:26838.8/56

Out: 4.772+/-0.053 χ^2/NDF:36377.4/62

All: 4.896+/-0.038 χ^2/NDF: 63227.5/119



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: -42.301+/-0.102 χ^2/NDF: 45238.5/37

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

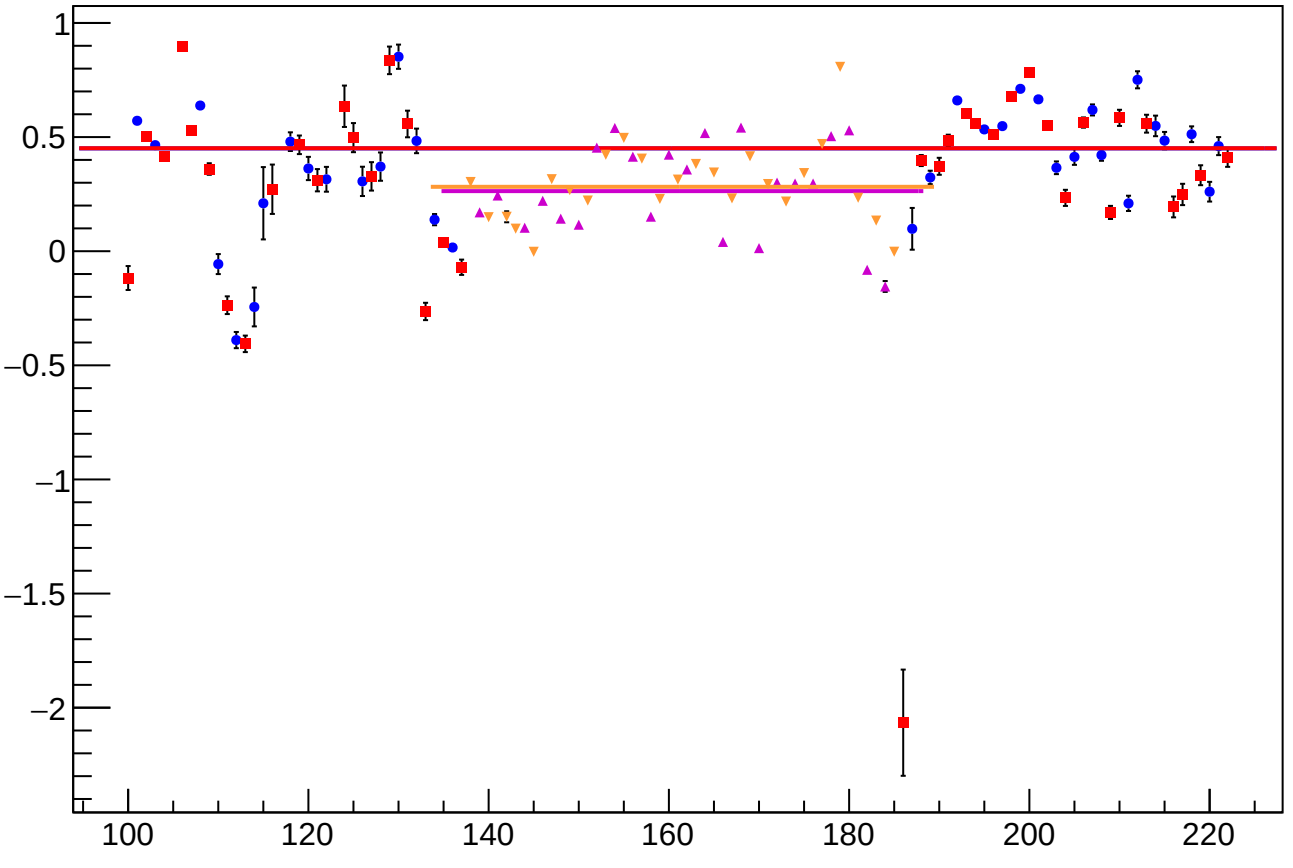
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -42.483+/-0.073 χ^2/NDF: 89794.7/71

In: -51.478+/-0.058 χ^2/NDF:60842.1/56

Out: -51.823+/-0.056 χ^2/NDF:65155.9/62

All: -51.656+/-0.040 χ^2/NDF: 126016.7/119



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: 0.451+/-0.004 χ^2/NDF: 3830.4/37

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

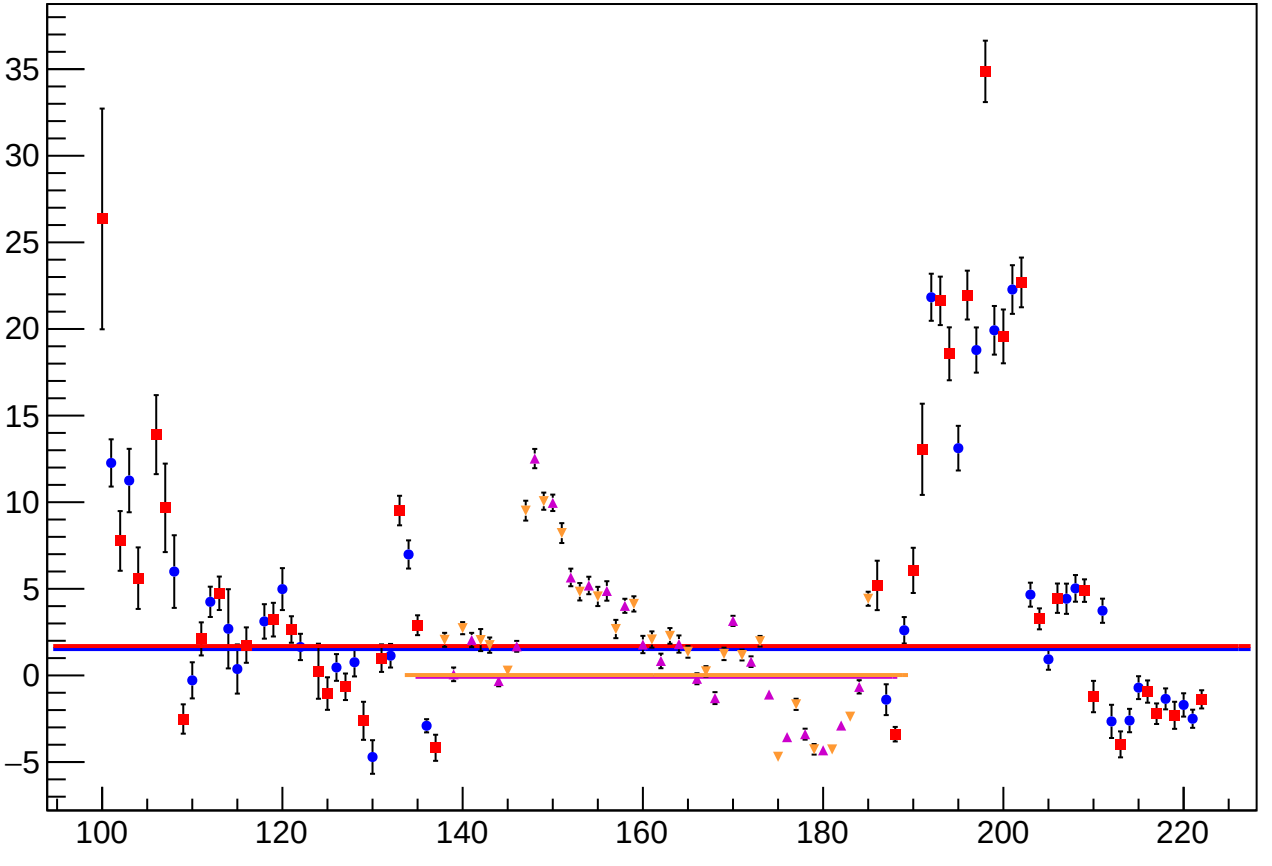
Right: 0.451+/-0.003 χ^2/NDF: 6582.8/71

In: 0.322+/-0.003 χ^2/NDF:7774.0/56

Out: 0.337+/-0.002 χ^2/NDF:7587.9/62

All: 0.330+/-0.002 χ^2/NDF: 15381.2/119

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.521+/-0.139 χ^2/NDF: 1461.0/33

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.695+/-0.142 χ^2/NDF: 1934.1/37

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

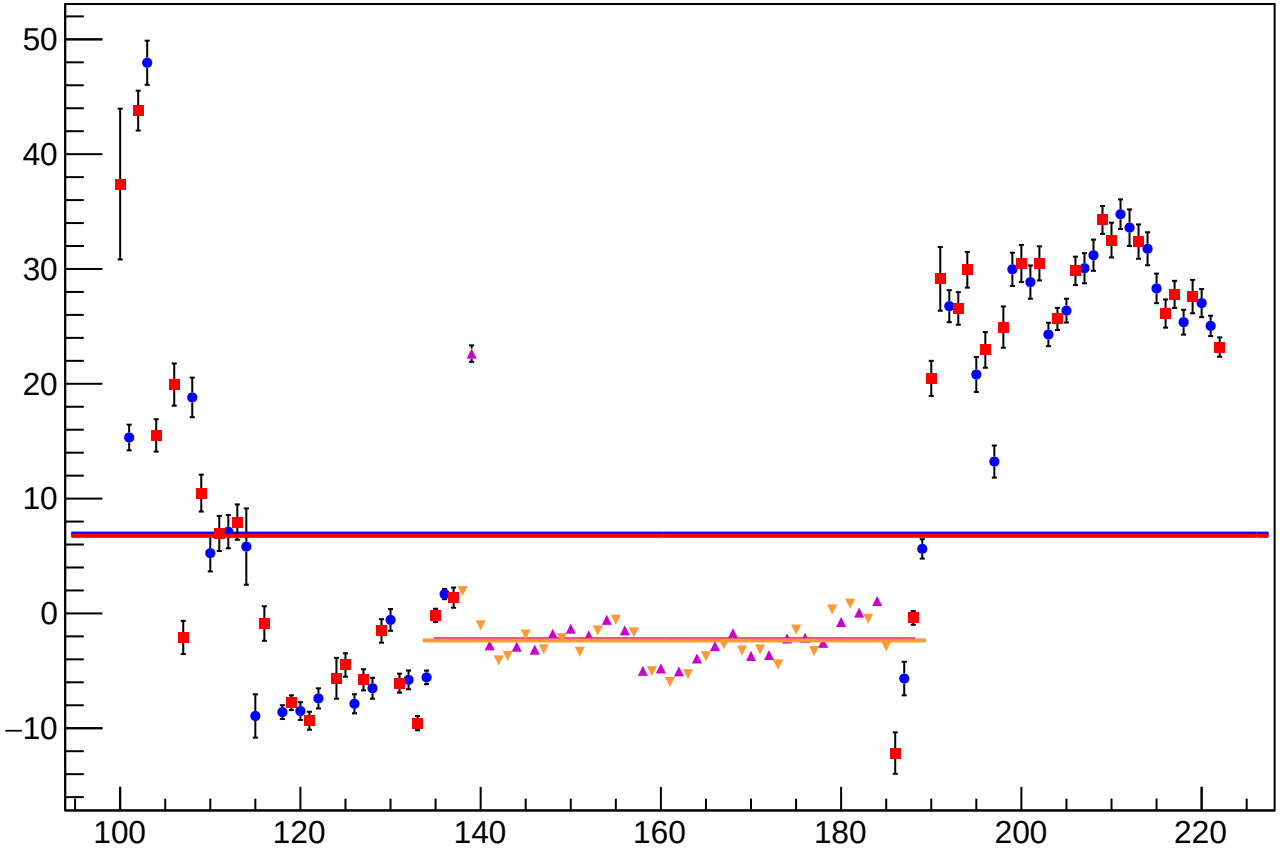
Right: 1.606+/-0.099 χ^2/NDF: 3395.8/71

In: 0.250+/-0.063 χ^2/NDF:4031.2/56

Out: 0.339+/-0.062 χ^2/NDF:4806.2/62

All: 0.295+/-0.044 χ^2/NDF: 8838.4/119

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: 6.758+/-0.177 χ^2/NDF: 7570.4/37

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

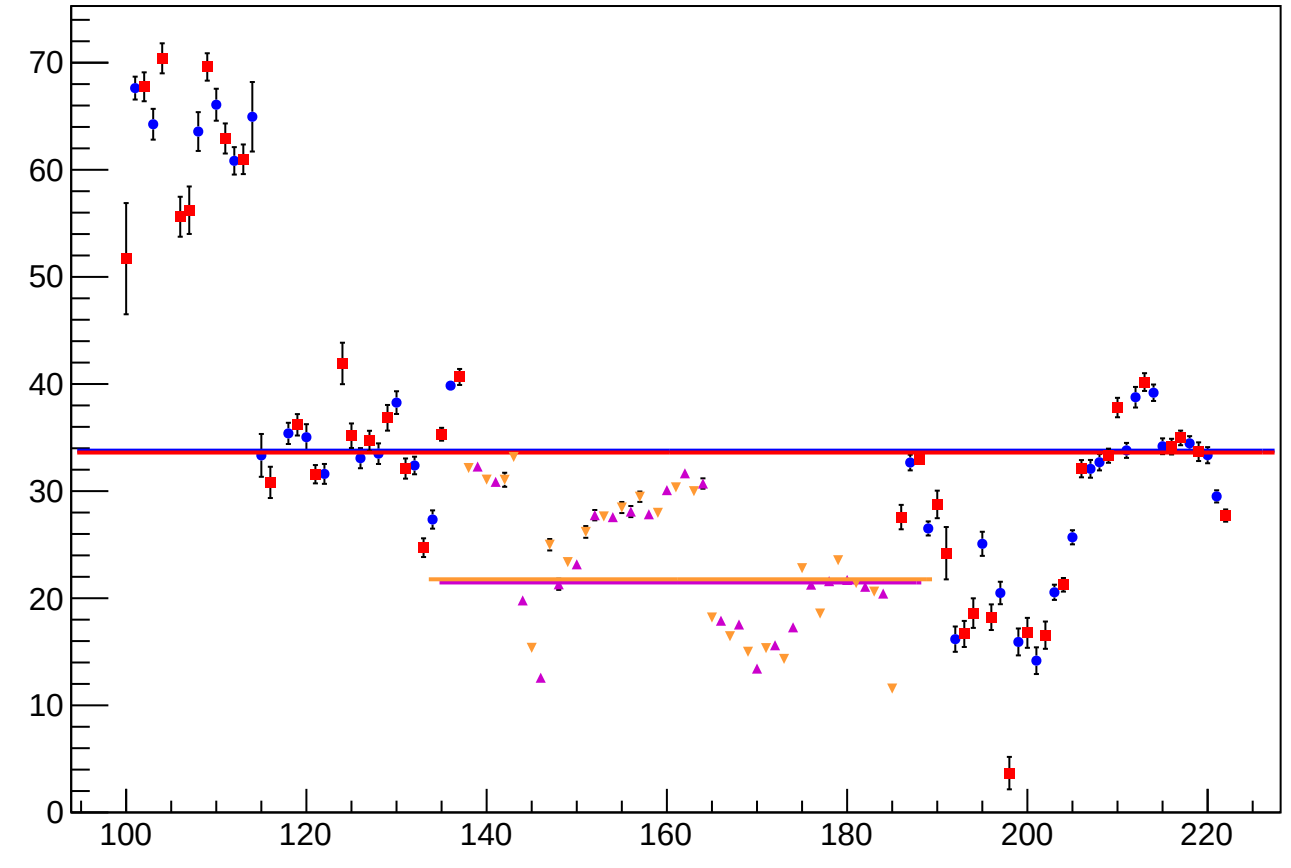
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: 6.857+/-0.124 χ^2/NDF: 15389.9/71

In: -1.365+/-0.054 χ^2/NDF:12279.1/56

Out: -1.551+/-0.053 χ^2/NDF:11100.2/62

All: -1.460+/-0.038 χ^2/NDF: 23385.4/119



Right In: 33.779+/-0.145 χ^2/NDF: 4721.4/33

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.603+/-0.146 χ^2/NDF: 5283.7/37

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

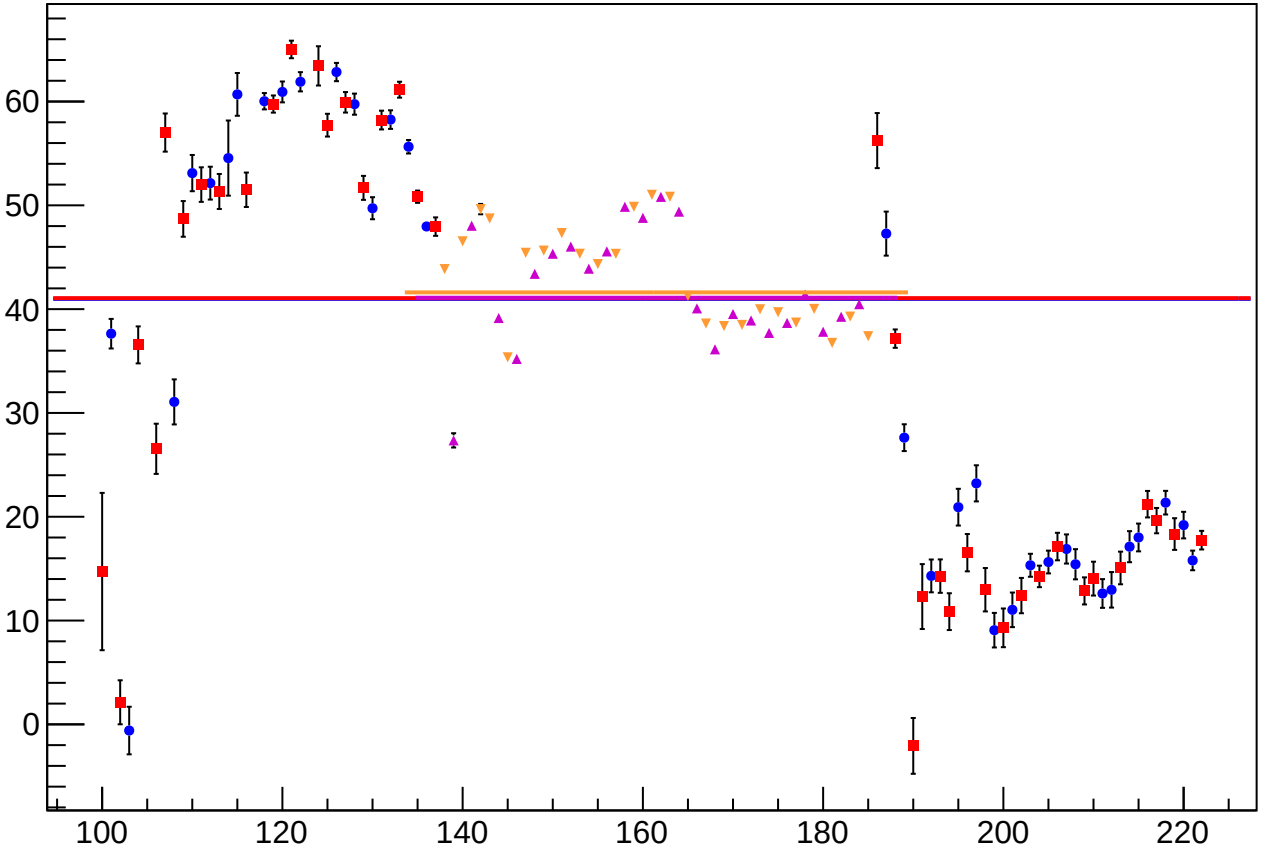
Right: 33.691+/-0.103 χ^2/NDF: 10005.9/71

In: 23.837+/-0.063 χ^2/NDF:16347.3/56

Out: 23.928+/-0.062 χ^2/NDF:17487.4/62

All: 23.884+/-0.044 χ^2/NDF: 33835.8/119

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: 41.056+/-0.202 χ^2/NDF: 9484.4/37

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

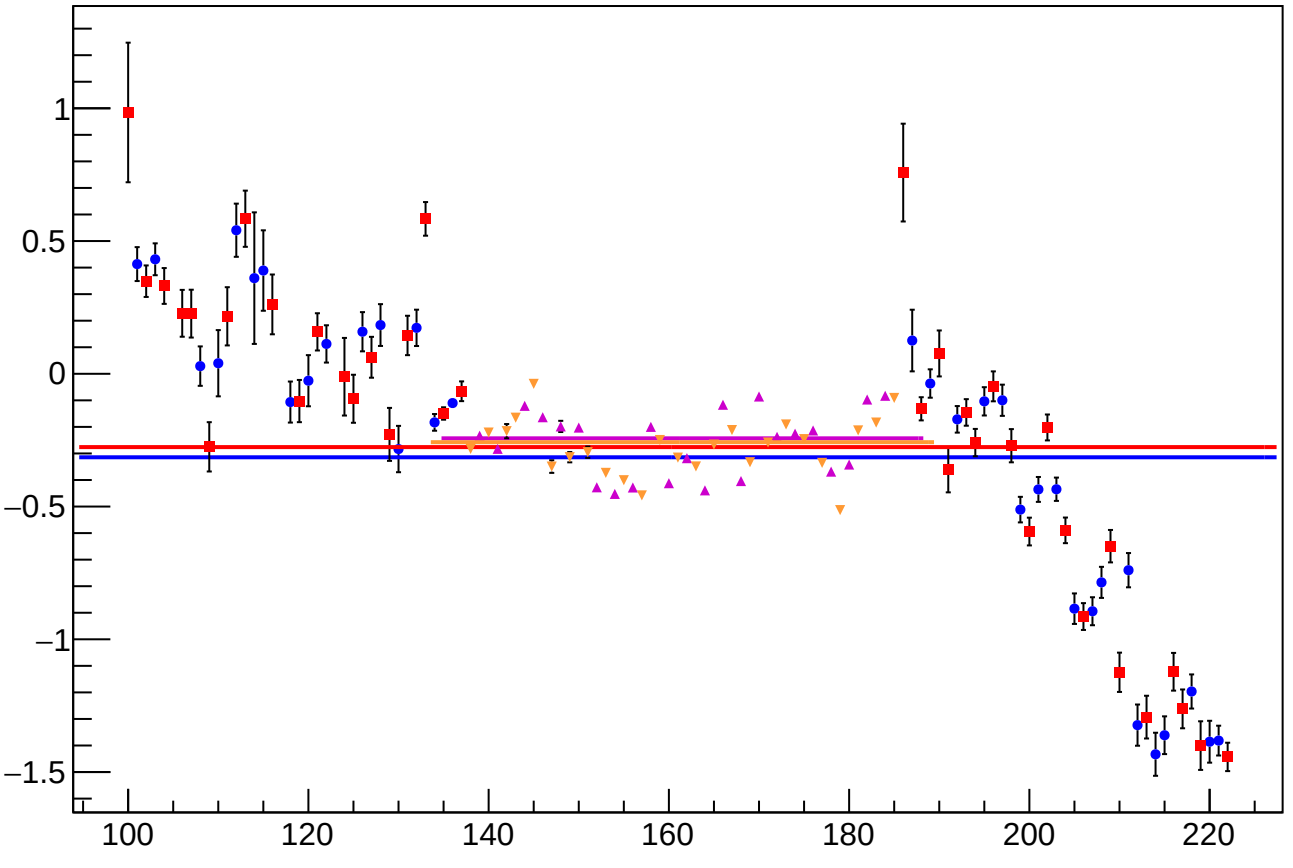
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 41.022+/-0.139 χ^2/NDF: 19217.8/71

In: 41.087+/-0.060 χ^2/NDF:15211.6/56

Out: 41.566+/-0.059 χ^2/NDF:15267.4/62

All: 41.331+/-0.042 χ^2/NDF: 30511.8/119



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: -0.276+/-0.010 χ^2/NDF: 2339.4/37

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

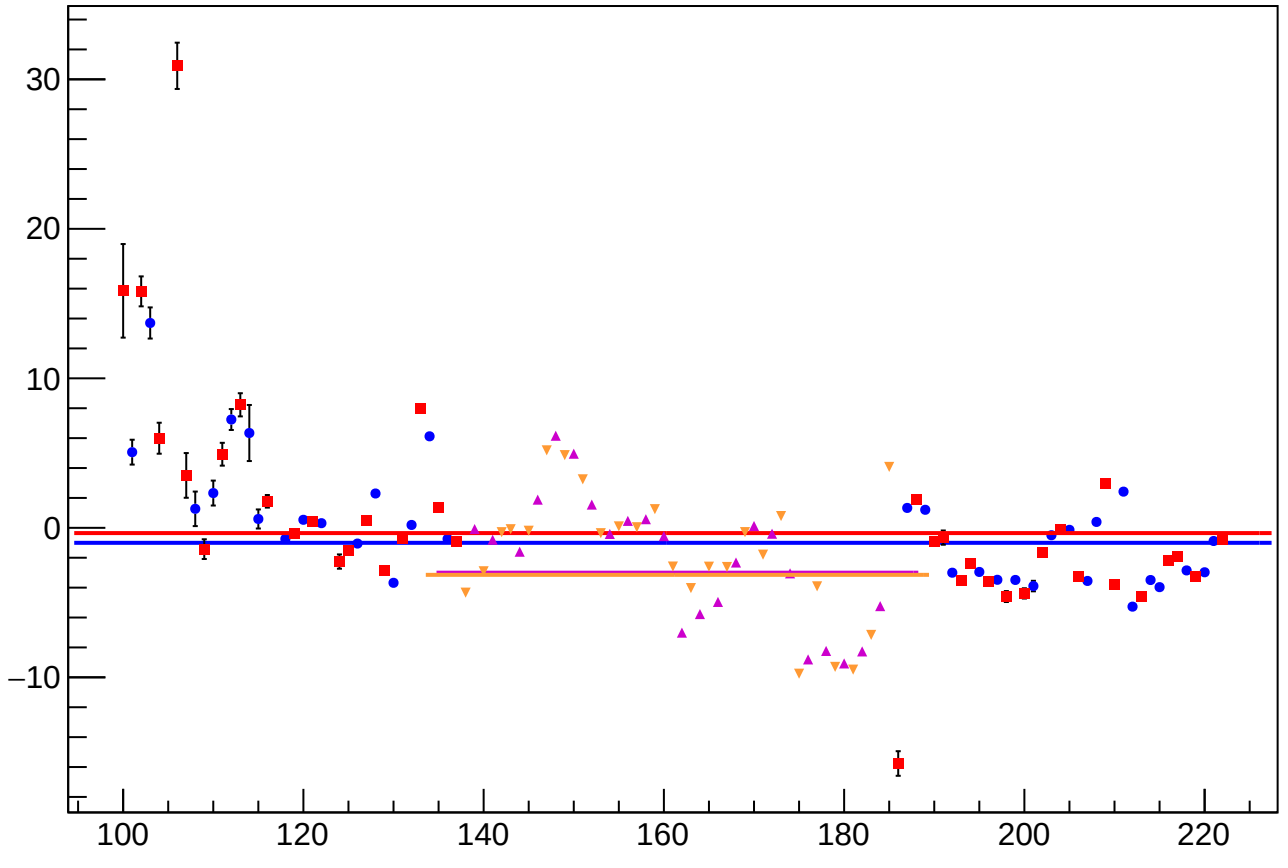
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.296+/-0.007 χ^2/NDF: 4837.5/71

In: -0.249+/-0.003 χ^2/NDF:4355.4/56

Out: -0.259+/-0.003 χ^2/NDF:3857.7/62

All: -0.254+/-0.002 χ^2/NDF: 8220.4/119



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: -0.351+/-0.042 χ^2/NDF: 5938.3/37

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

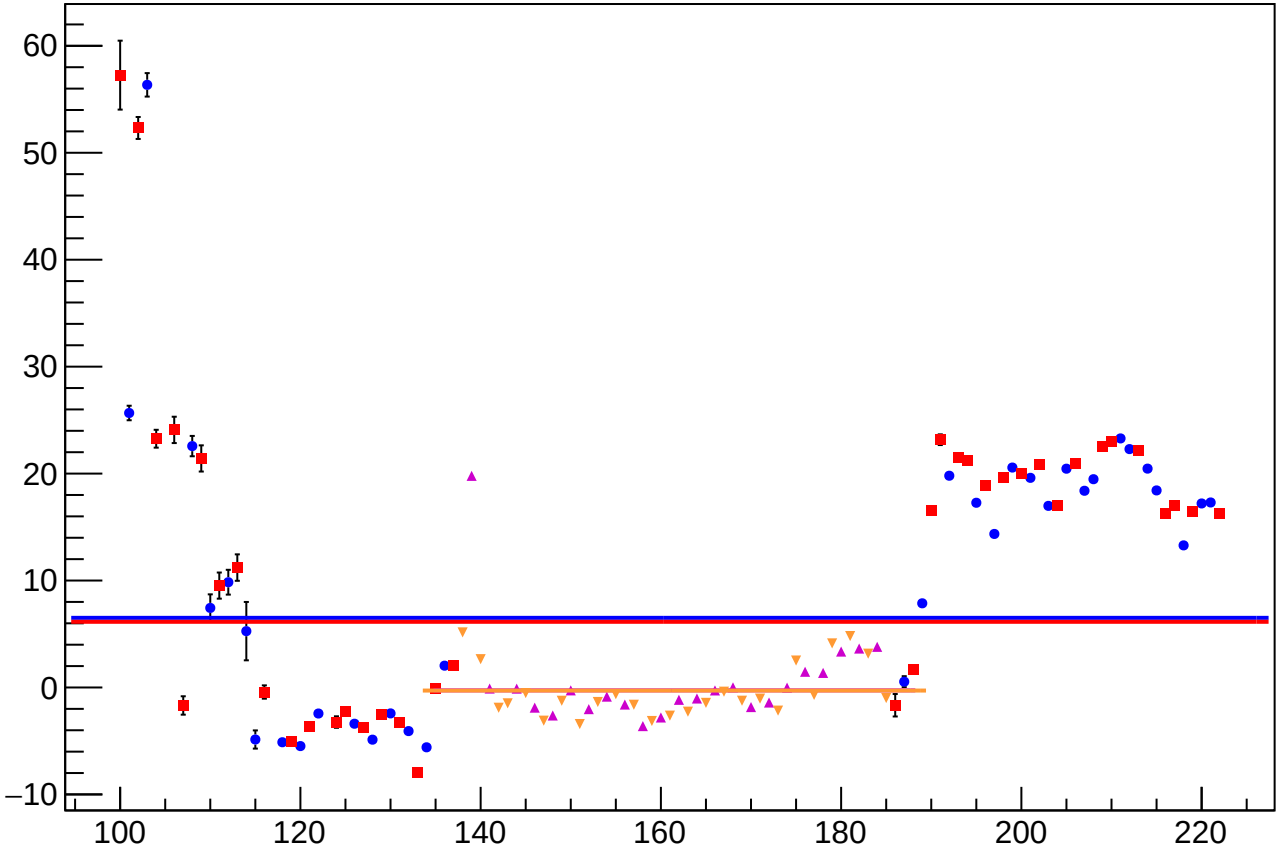
Right: -0.677+/-0.030 χ^2/NDF: 9456.8/71

In: -2.376+/-0.024 χ^2/NDF:27361.5/56

Out: -2.303+/-0.023 χ^2/NDF:34352.5/62

All: -2.339+/-0.017 χ^2/NDF: 61718.8/119

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.512+/-0.052 χ^2/NDF: 47317.2/33

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 6.142+/-0.051 χ^2/NDF: 55073.7/37

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

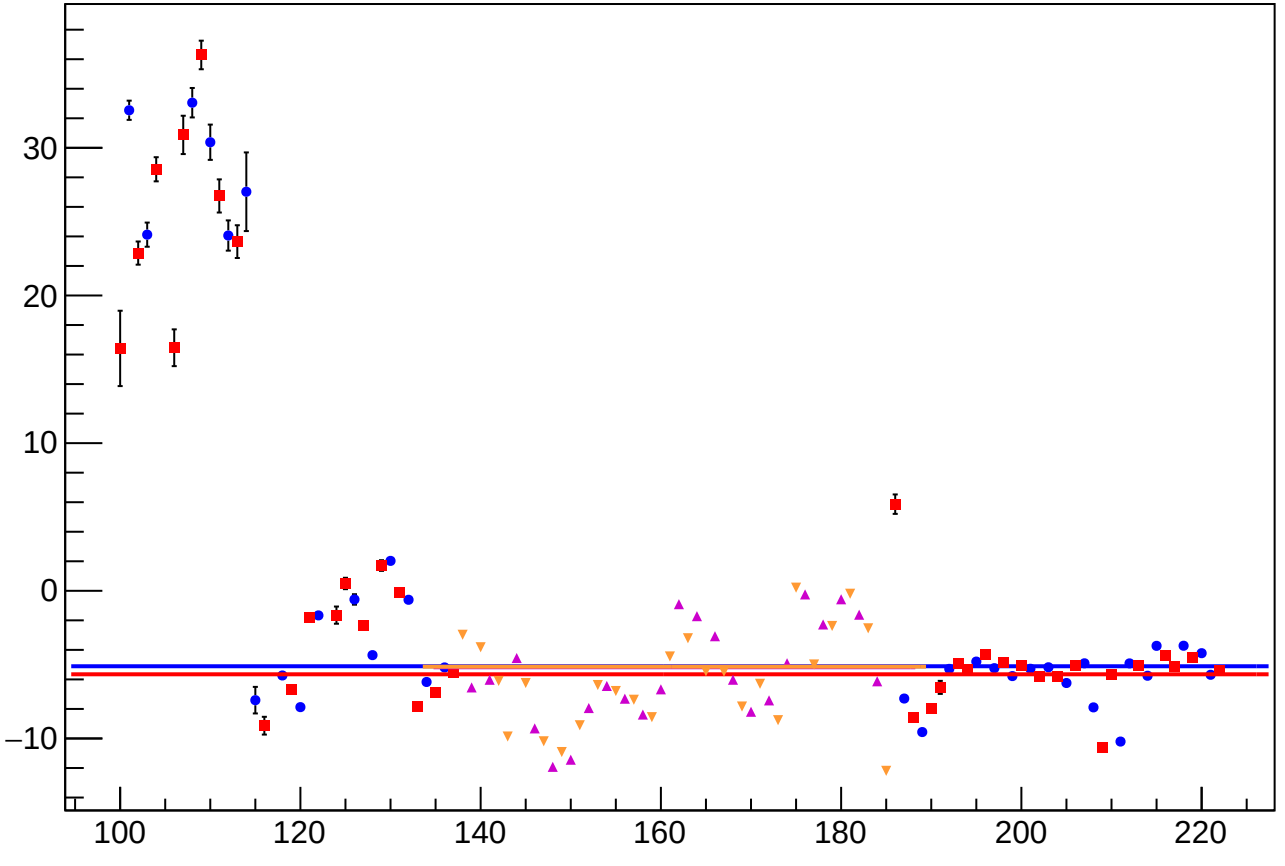
Right: 6.323+/-0.036 χ^2/NDF: 102416.8/71

In: 0.786+/-0.020 χ^2/NDF:74964.2/56

Out: 0.712+/-0.020 χ^2/NDF:80789.1/62

All: 0.748+/-0.014 χ^2/NDF: 155760.1/119

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.109+/-0.043 χ^2/NDF: 10829.7/33

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.654+/-0.042 χ^2/NDF: 11576.3/37

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

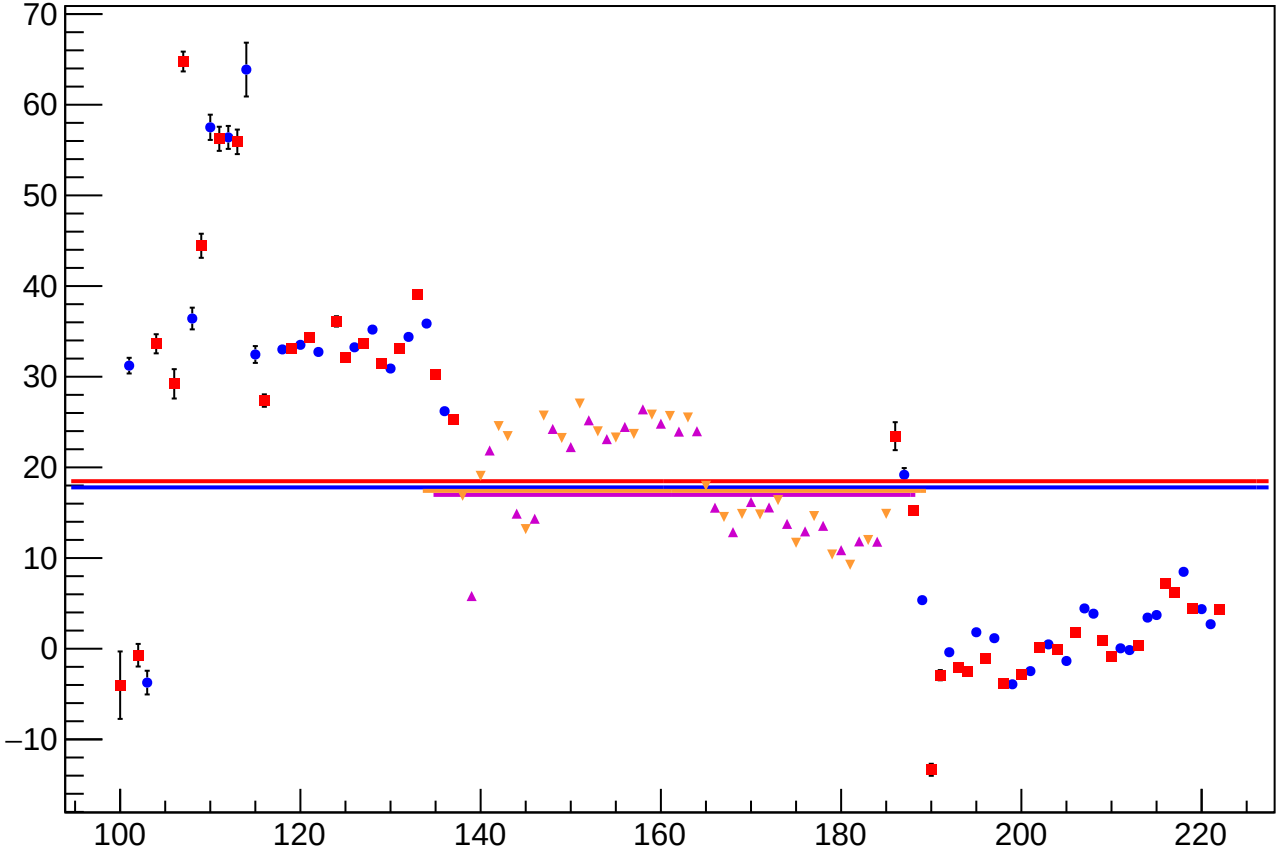
Right: -5.389+/-0.030 χ^2/NDF: 22487.7/71

In: -5.157+/-0.024 χ^2/NDF:24795.1/56

Out: -5.295+/-0.023 χ^2/NDF:26307.1/62

All: -5.227+/-0.017 χ^2/NDF: 51119.7/119

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 17.794+/-0.059 χ^2/NDF: 69589.8/33

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 18.475+/-0.059 χ^2/NDF: 82216.9/37

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

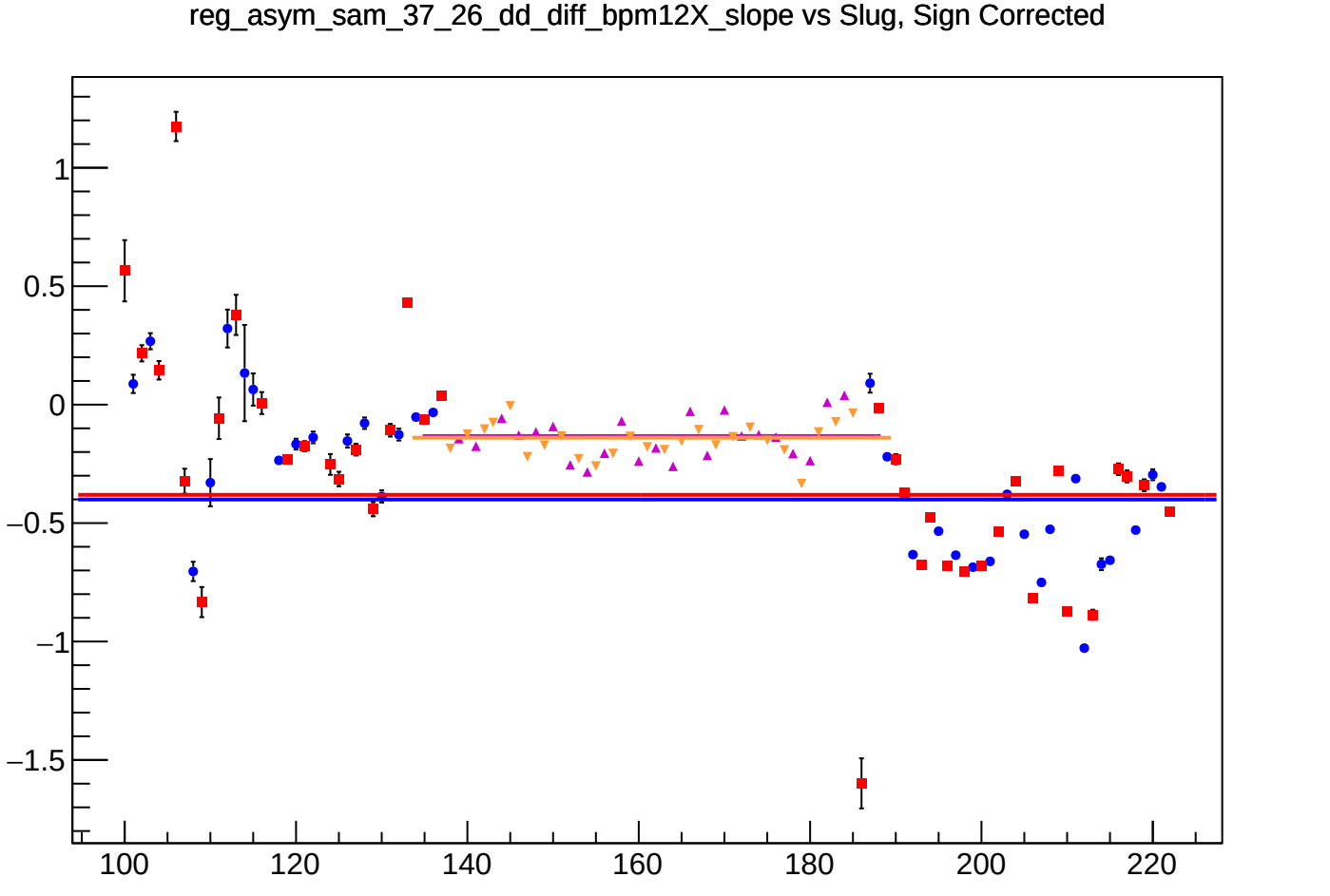
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 18.136+/-0.042 χ^2/NDF: 151874.0/71

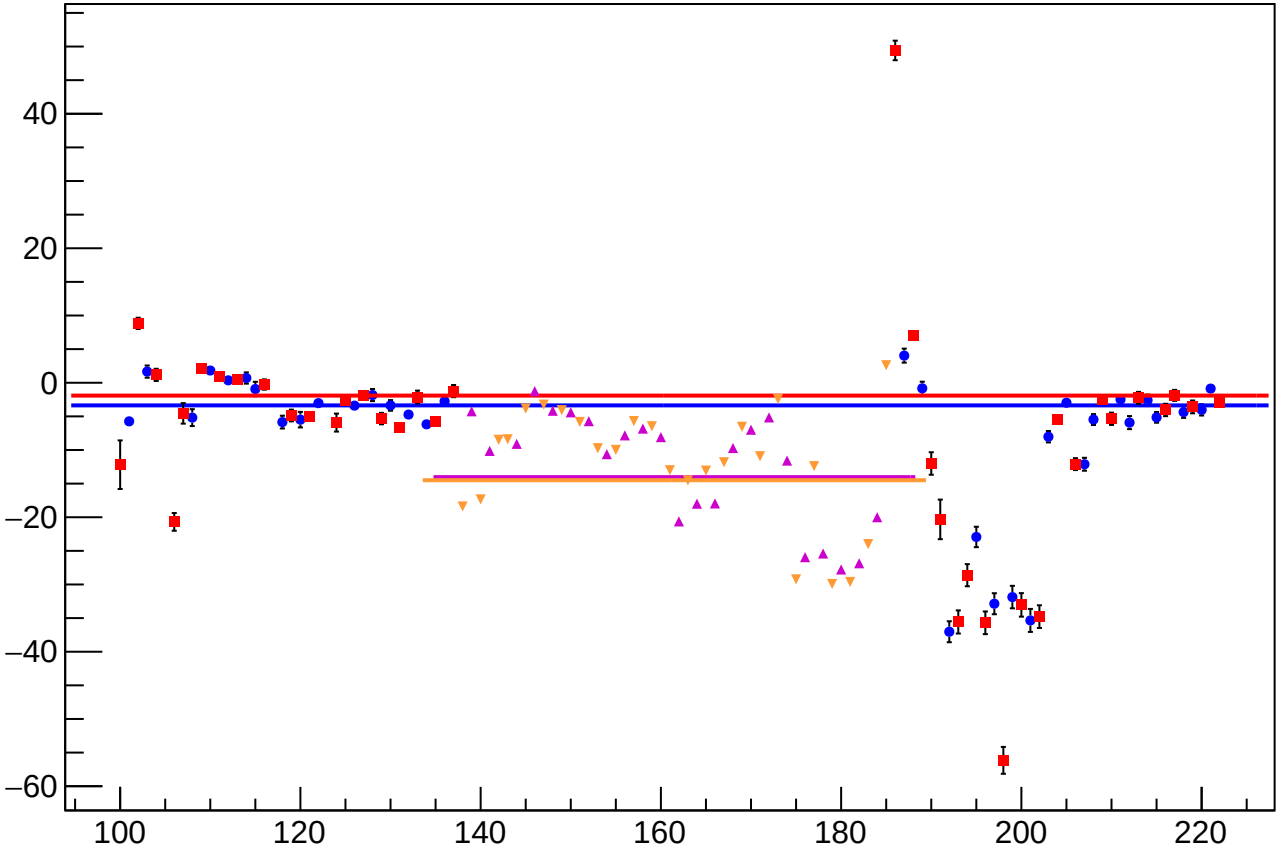
In: 17.093+/-0.023 χ^2/NDF:109696.0/56

Out: 17.567+/-0.023 χ^2/NDF:133129.5/62

All: 17.335+/-0.016 χ^2/NDF: 243041.1/119


reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.401+/-0.003 χ²/NDF: 9937.2/33
Left Out: -0.140+/-0.001 χ²/NDF:4108.2/24
Right Out: -0.381+/-0.003 χ²/NDF: 14216.8/37
Left In: -0.133+/-0.001 χ²/NDF:5529.7/22
Left: -0.136+/-0.001 χ²/NDF: 9659.1/47
Right: -0.391+/-0.002 χ²/NDF: 24179.9/71
In: -0.170+/-0.001 χ²/NDF:23564.0/56
Out: -0.173+/-0.001 χ²/NDF:25062.8/62
All: -0.171+/-0.001 χ²/NDF: 48631.7/119

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: -1.909+/-0.123 χ^2/NDF: 5061.5/37

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

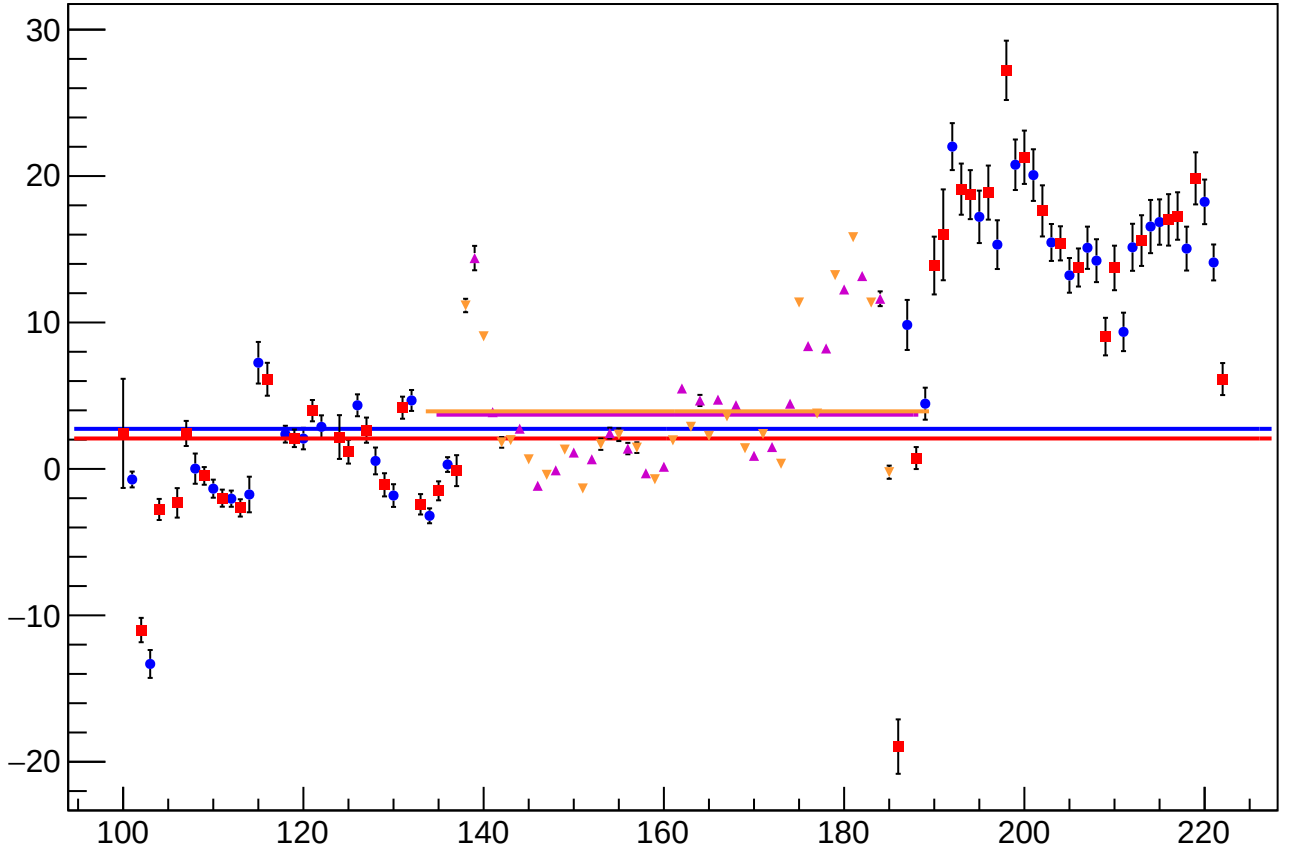
Right: -2.613+/-0.089 χ^2/NDF: 7364.3/71

In: -11.205+/-0.066 χ^2/NDF:20841.1/56

Out: -11.116+/-0.064 χ^2/NDF:29900.8/62

All: -11.159+/-0.046 χ^2/NDF: 50742.8/119

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.737+/-0.155 χ^2/NDF: 1976.6/33

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 2.079+/-0.157 χ^2/NDF: 2007.7/37

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

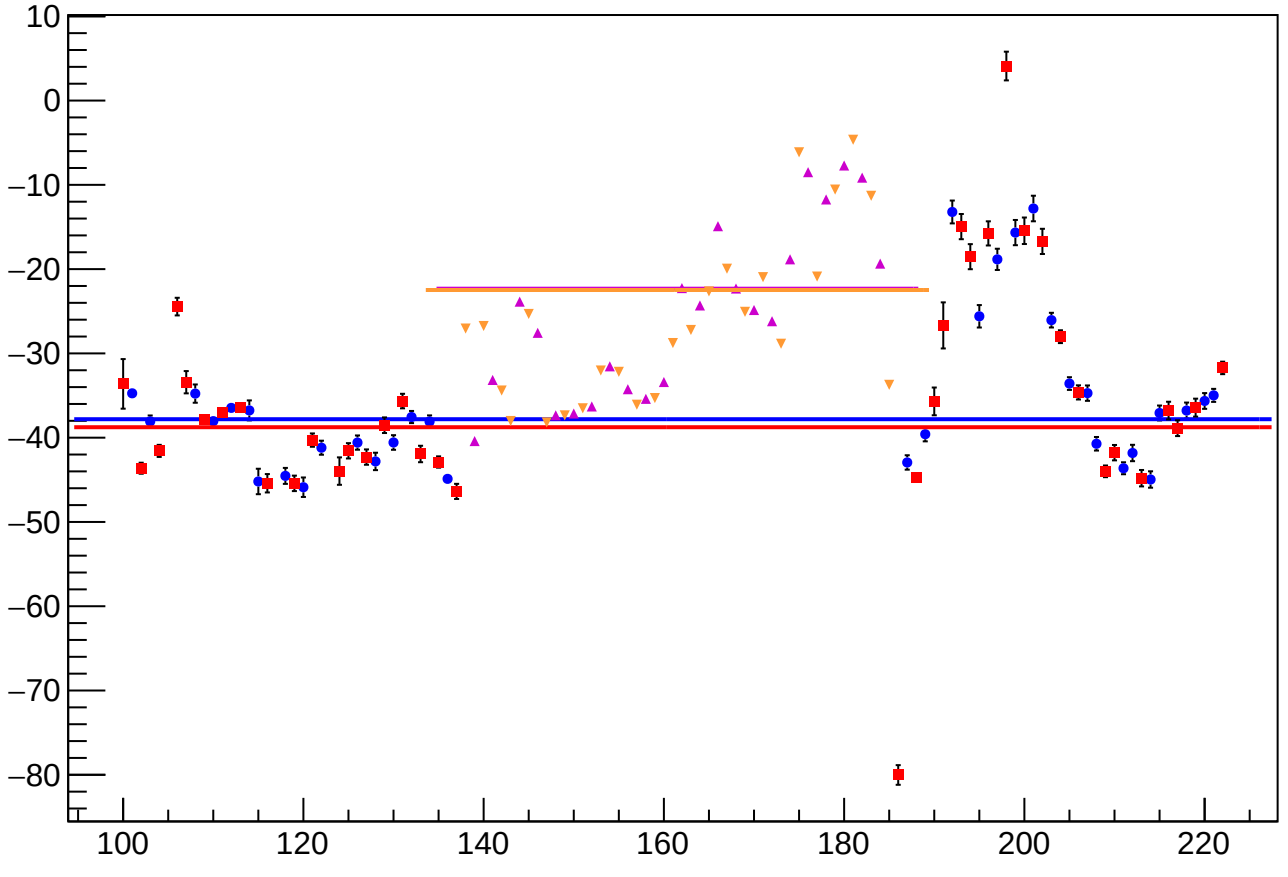
Right: 2.412+/-0.110 χ^2/NDF: 3993.2/71

In: 3.579+/-0.055 χ^2/NDF:6799.2/56

Out: 3.709+/-0.054 χ^2/NDF:9109.9/62

All: 3.646+/-0.039 χ^2/NDF: 15911.8/119

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.809+/-0.140 χ^2/NDF: 2063.3/33

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.759+/-0.139 χ^2/NDF: 4239.3/37

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

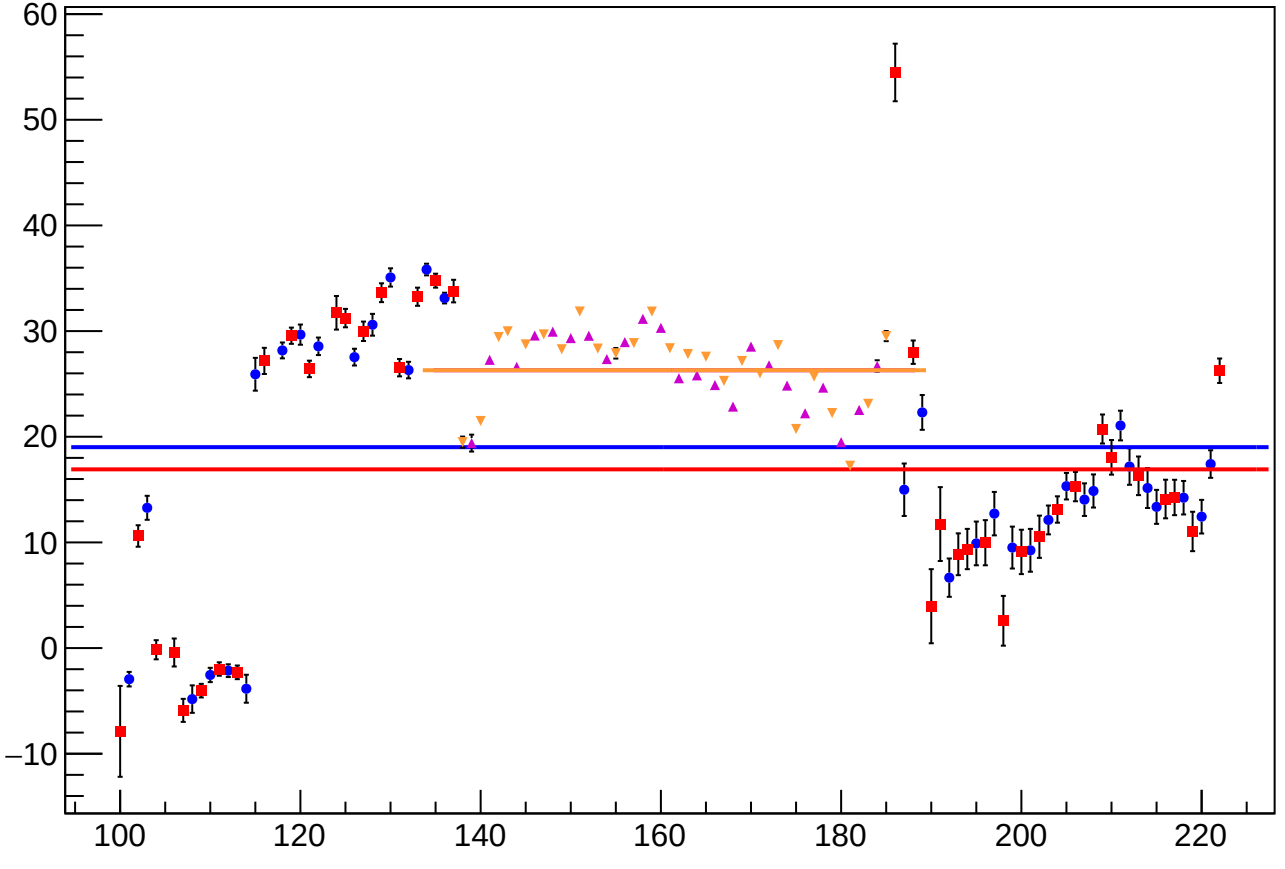
Right: -38.287+/-0.098 χ^2/NDF: 6325.9/71

In: -25.902+/-0.067 χ^2/NDF:28651.9/56

Out: -26.147+/-0.066 χ^2/NDF:35337.5/62

All: -26.027+/-0.047 χ^2/NDF: 63996.2/119

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: 16.915+/-0.178 χ^2/NDF: 7248.2/37

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

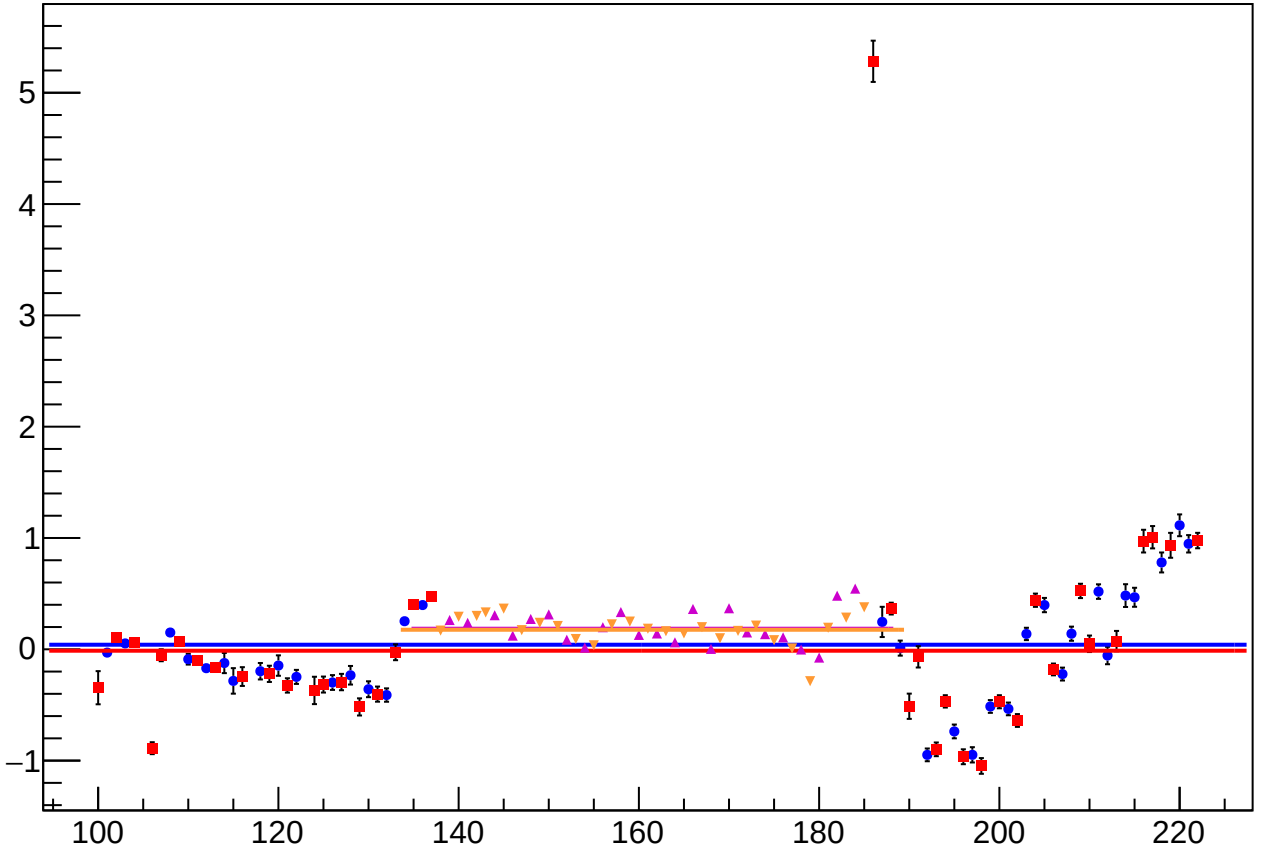
Right: 17.988+/-0.124 χ^2/NDF: 14264.3/71

In: 25.361+/-0.062 χ^2/NDF:10657.5/56

Out: 25.187+/-0.061 χ^2/NDF:13011.8/62

All: 25.272+/-0.044 χ^2/NDF: 23673.3/119

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: -0.013+/-0.009 χ^2/NDF: 3208.1/37

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

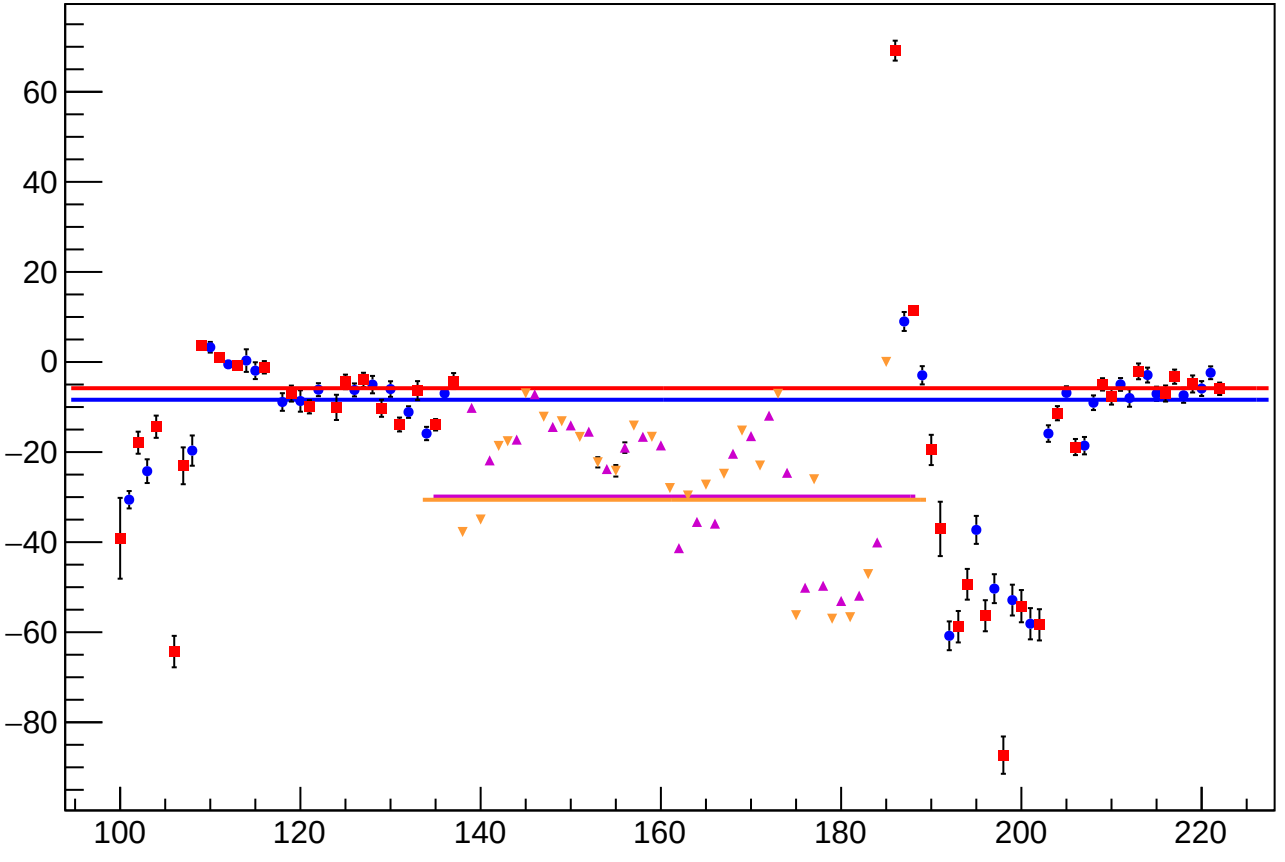
Right: 0.015+/-0.006 χ^2/NDF: 5149.3/71

In: 0.170+/-0.003 χ^2/NDF:4703.3/56

Out: 0.158+/-0.003 χ^2/NDF:5532.1/62

All: 0.164+/-0.002 χ^2/NDF: 10244.7/119

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.380+/-0.287 χ^2/NDF: 1466.1/33

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.819+/-0.285 χ^2/NDF: 3515.6/37

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

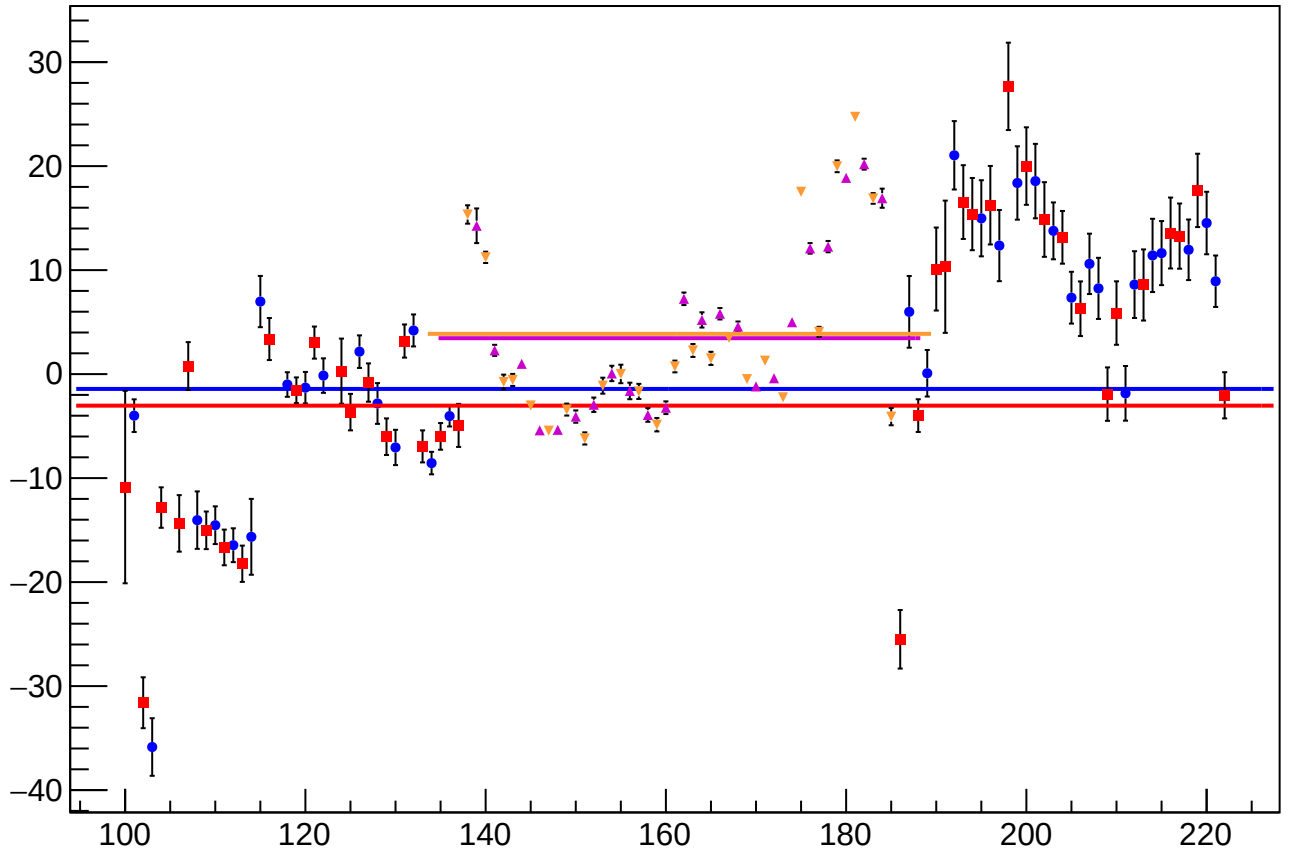
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.091+/-0.202 χ^2/NDF: 5021.8/71

In: -25.439+/-0.130 χ^2/NDF:17964.3/56

Out: -25.647+/-0.127 χ^2/NDF:25618.6/62

All: -25.545+/-0.091 χ^2/NDF: 43584.2/119



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: -3.033+/-0.355 χ^2/NDF: 865.3/37

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

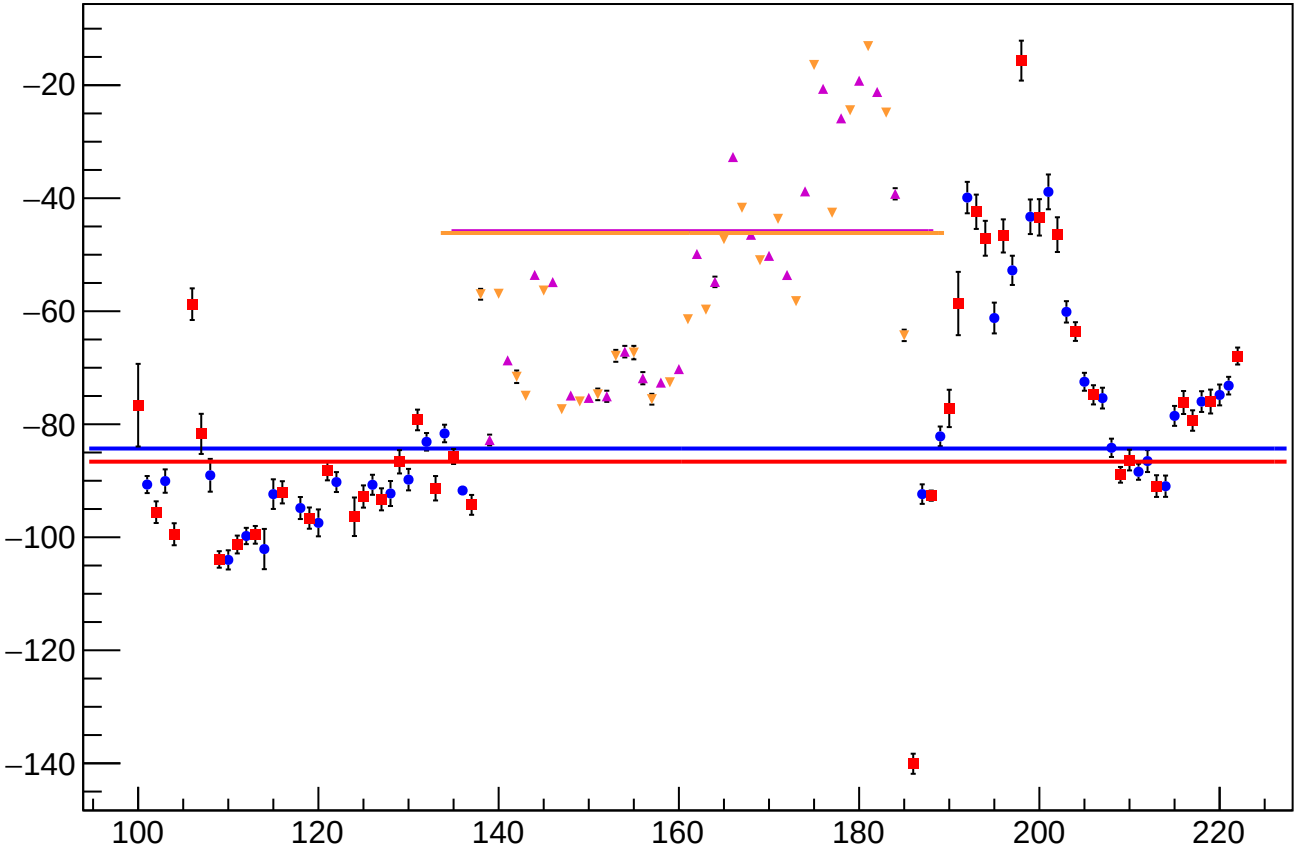
Right: -2.204+/-0.247 χ^2/NDF: 1629.5/71

In: 2.973+/-0.108 χ^2/NDF:5628.5/56

Out: 3.256+/-0.106 χ^2/NDF:7752.0/62

All: 3.117+/-0.076 χ^2/NDF: 13383.9/119

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.295+/-0.308 χ^2/NDF: 1764.0/33

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -86.621+/-0.309 χ^2/NDF: 3341.1/37

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

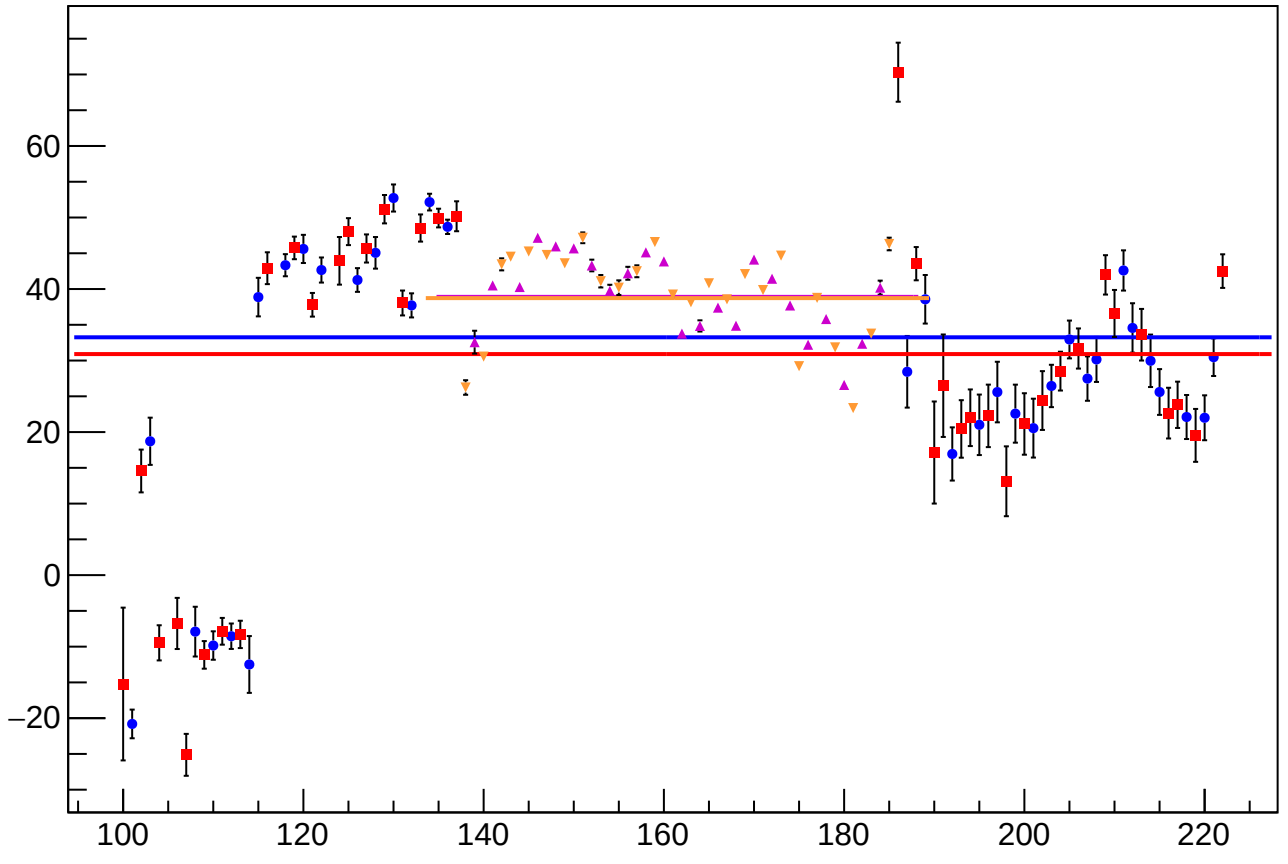
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -85.454+/-0.218 χ^2/NDF: 5133.6/71

In: -52.906+/-0.132 χ^2/NDF:32448.2/56

Out: -53.250+/-0.129 χ^2/NDF:38958.6/62

All: -53.082+/-0.092 χ^2/NDF: 71410.2/119



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: 30.906+/-0.402 χ^2/NDF: 3139.1/37

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

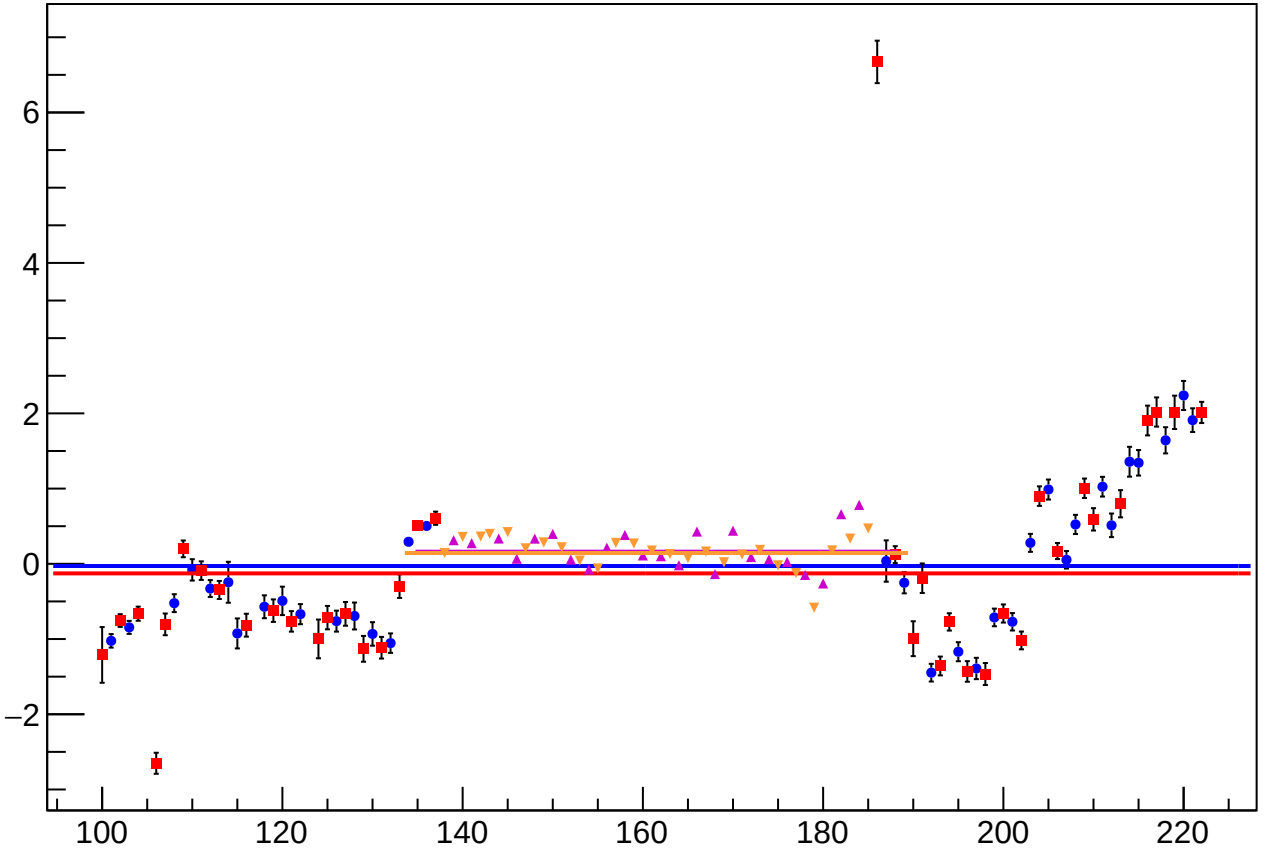
Right: 32.129+/-0.278 χ^2/NDF: 6082.3/71

In: 38.346+/-0.121 χ^2/NDF:5091.5/56

Out: 38.045+/-0.119 χ^2/NDF:6266.7/62

All: 38.193+/-0.085 χ^2/NDF: 11361.3/119

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: -0.127+/-0.021 χ^2/NDF: 2577.8/37

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

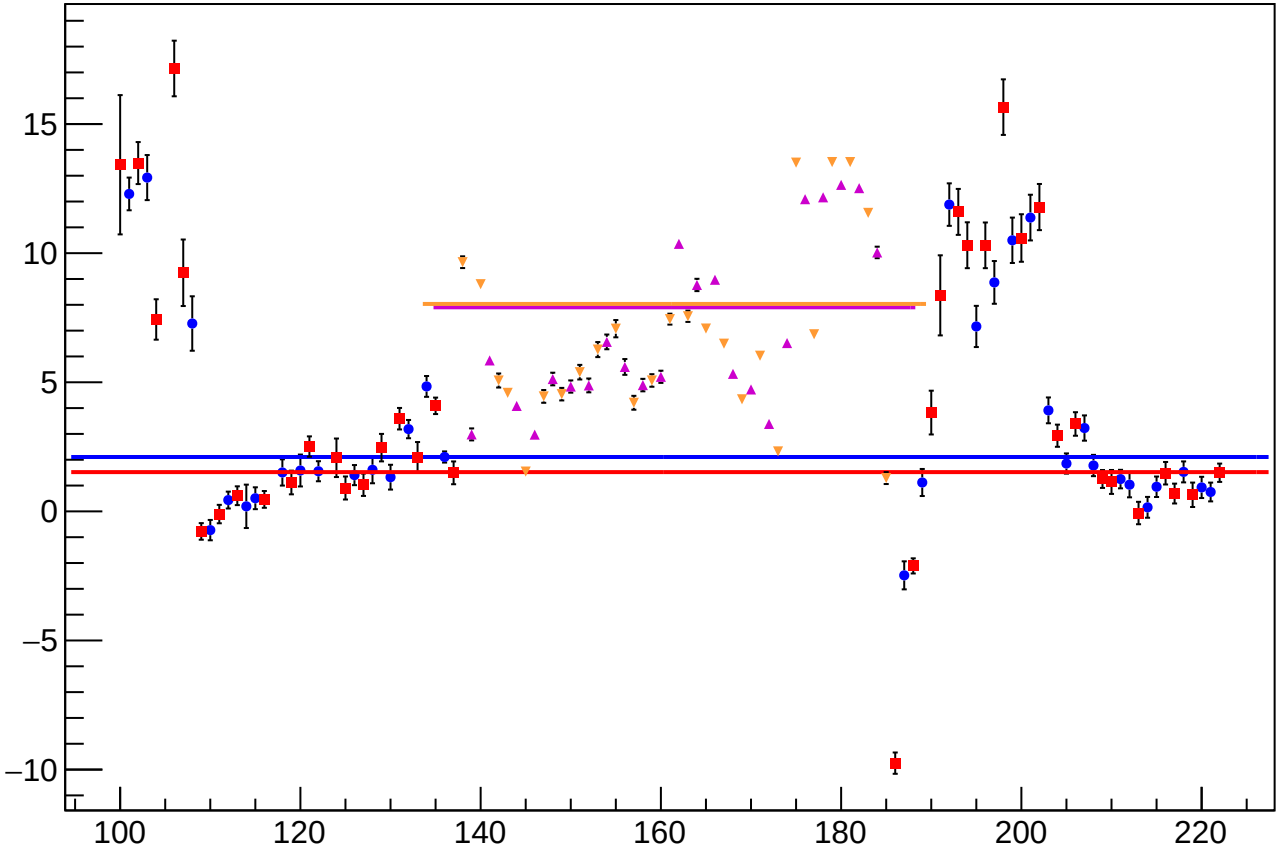
Right: -0.075+/-0.014 χ^2/NDF: 4281.9/71

In: 0.146+/-0.005 χ^2/NDF:3699.5/56

Out: 0.125+/-0.005 χ^2/NDF:4182.2/62

All: 0.135+/-0.004 χ^2/NDF: 7889.3/119

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: 1.521+/-0.077 χ^2/NDF: 2435.7/37

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

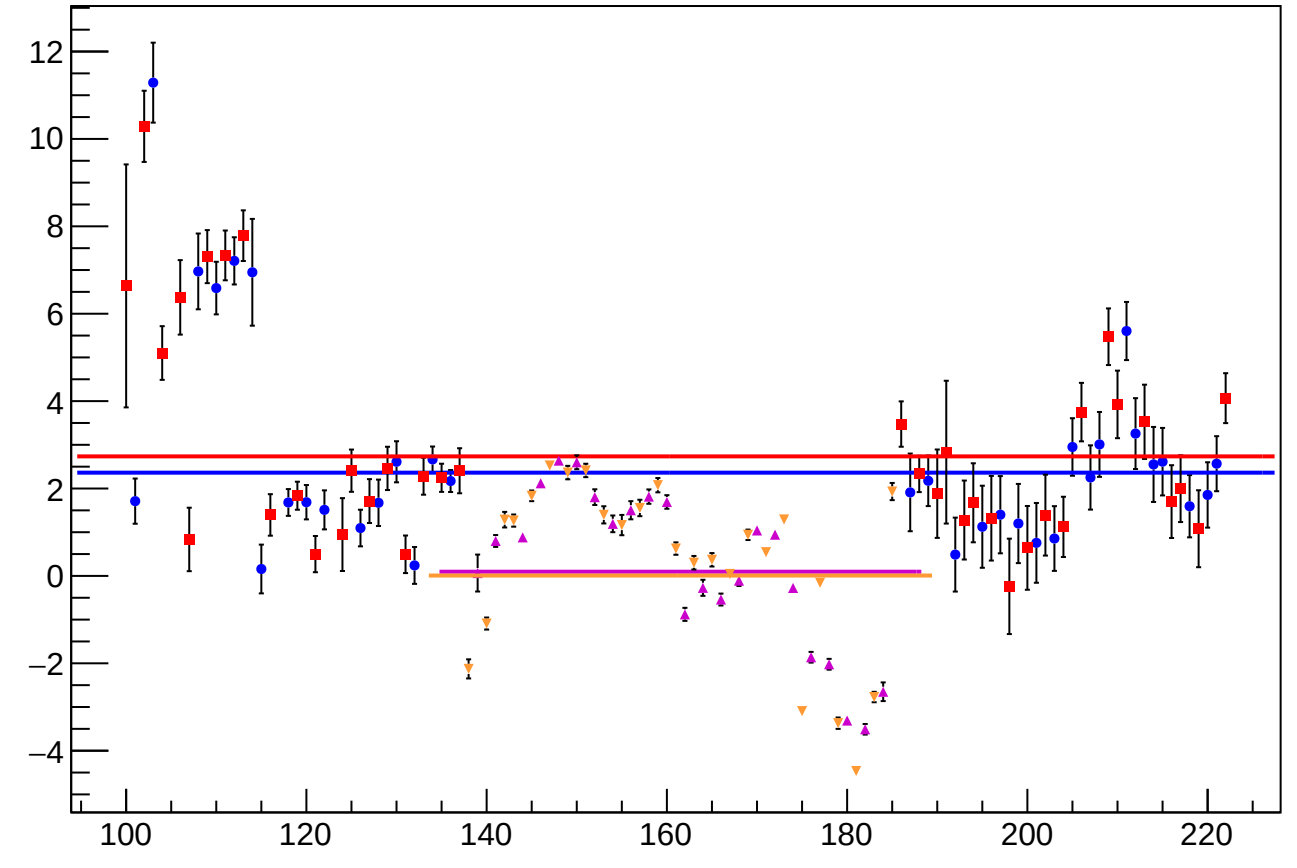
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.814+/-0.054 χ^2/NDF: 3674.1/71

In: 6.869+/-0.032 χ^2/NDF:15904.4/56

Out: 6.930+/-0.032 χ^2/NDF:22324.2/62

All: 6.900+/-0.023 χ^2/NDF: 38230.4/119



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: 2.736+/-0.096 χ^2/NDF: 475.5/37

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

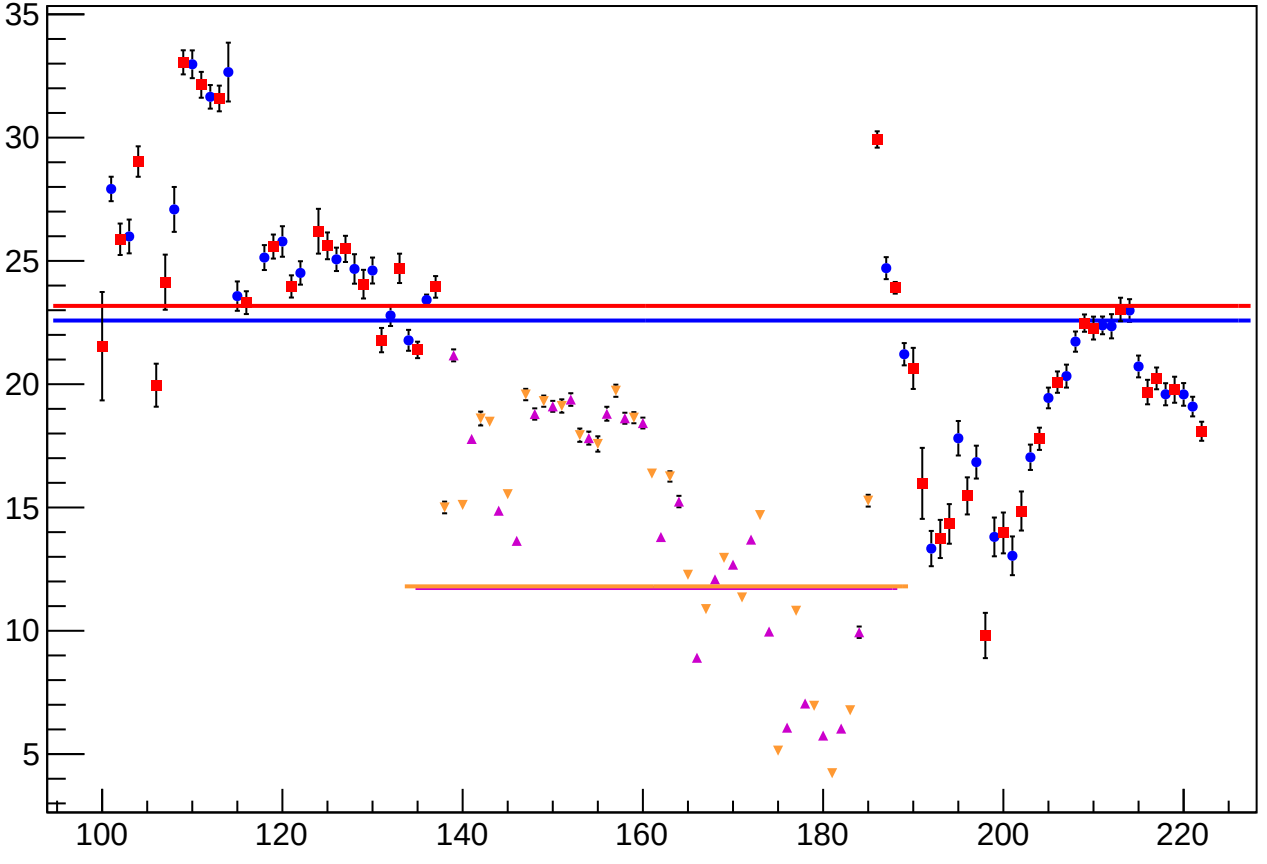
Right: 2.543+/-0.067 χ^2/NDF: 862.8/71

In: 0.288+/-0.027 χ^2/NDF:5361.0/56

Out: 0.216+/-0.026 χ^2/NDF:6987.0/62

All: 0.251+/-0.019 χ^2/NDF: 12351.5/119

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: 23.175+/-0.082 χ^2/NDF: 3001.0/37

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

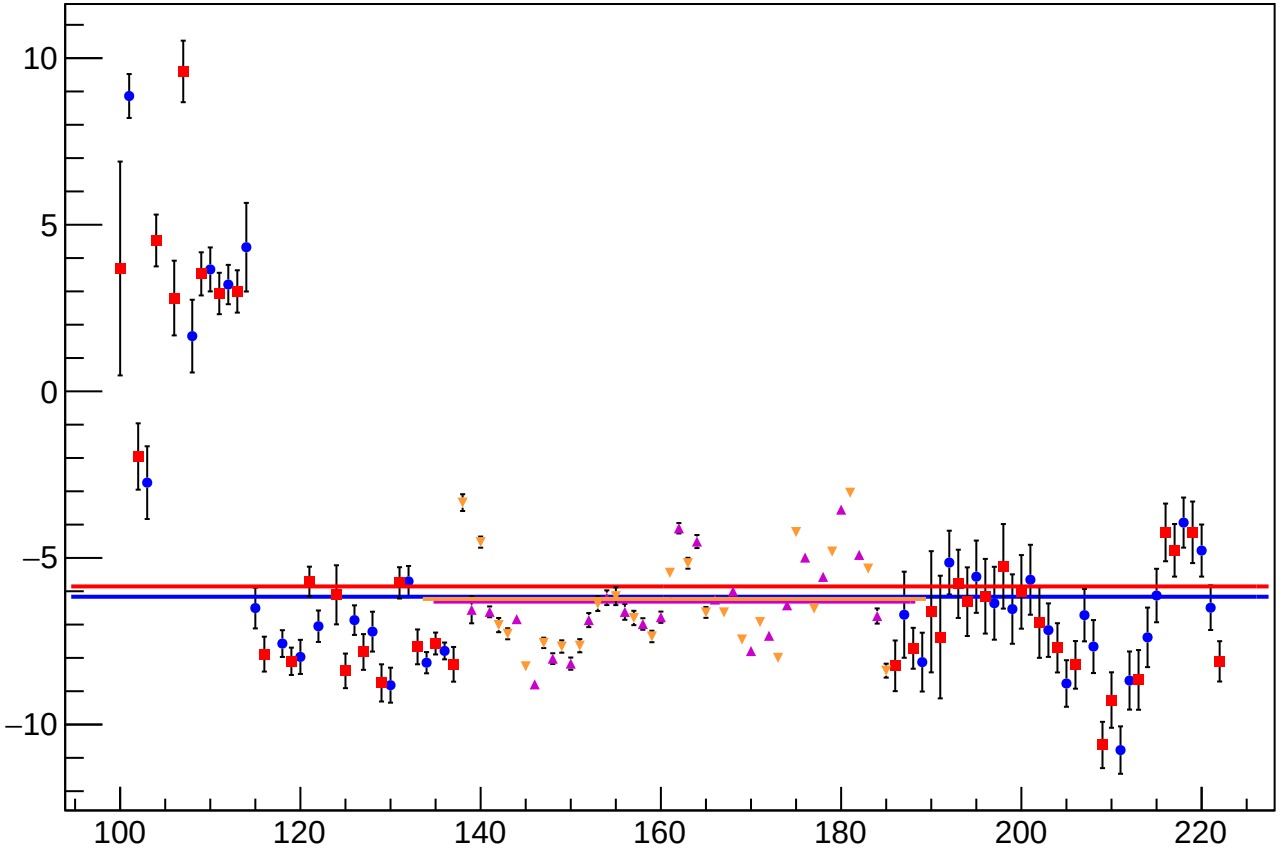
Right: 22.879+/-0.058 χ^2/NDF: 5083.1/71

In: 13.481+/-0.033 χ^2/NDF:34826.0/56

Out: 13.555+/-0.032 χ^2/NDF:40899.2/62

All: 13.519+/-0.023 χ^2/NDF: 75727.8/119

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.165+/-0.103 χ^2/NDF: 1347.7/33

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.855+/-0.108 χ^2/NDF: 1450.0/37

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

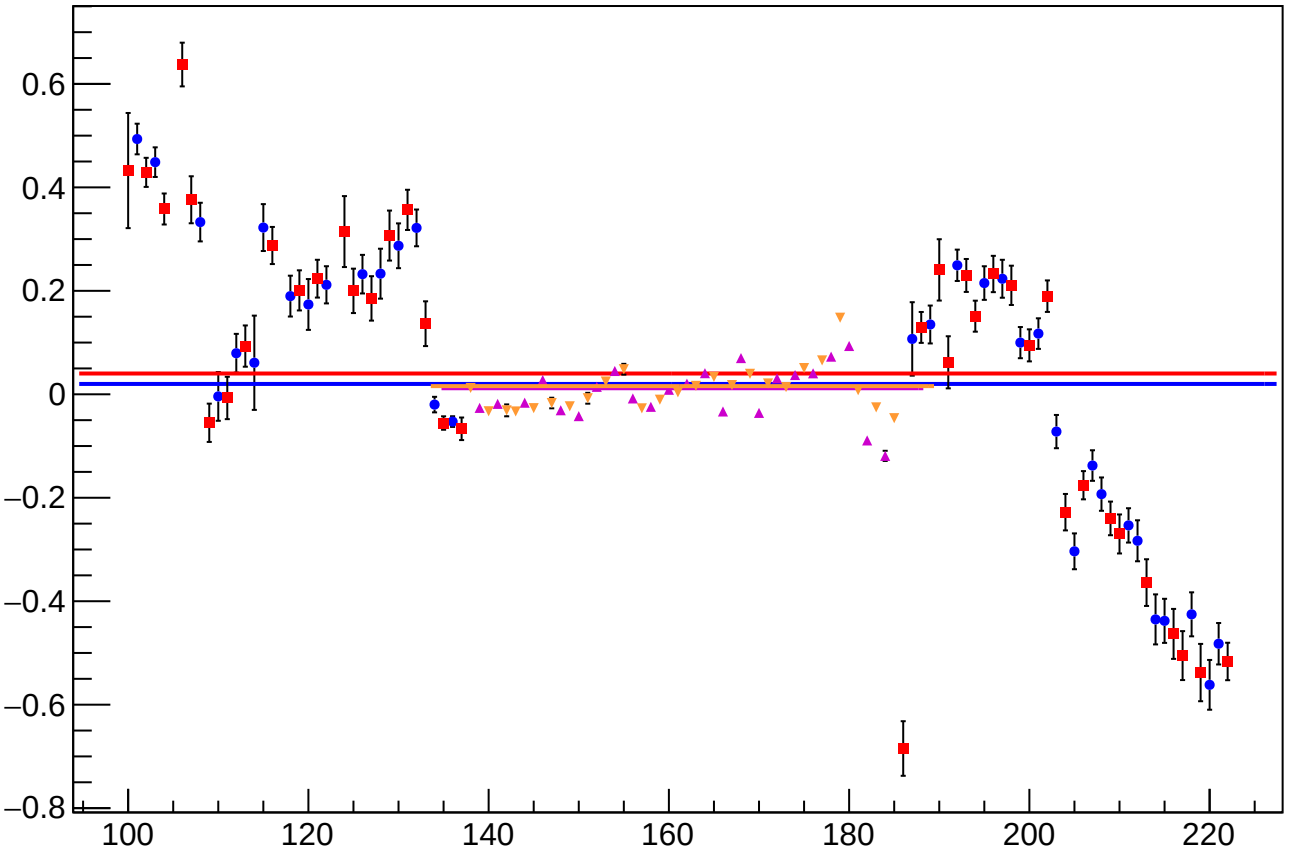
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.017+/-0.075 χ^2/NDF: 2801.9/71

In: -6.299+/-0.030 χ^2/NDF:3379.7/56

Out: -6.203+/-0.030 χ^2/NDF:3911.1/62

All: -6.250+/-0.021 χ^2/NDF: 7296.0/119



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: 0.040+/-0.006 χ^2/NDF: 2156.9/37

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

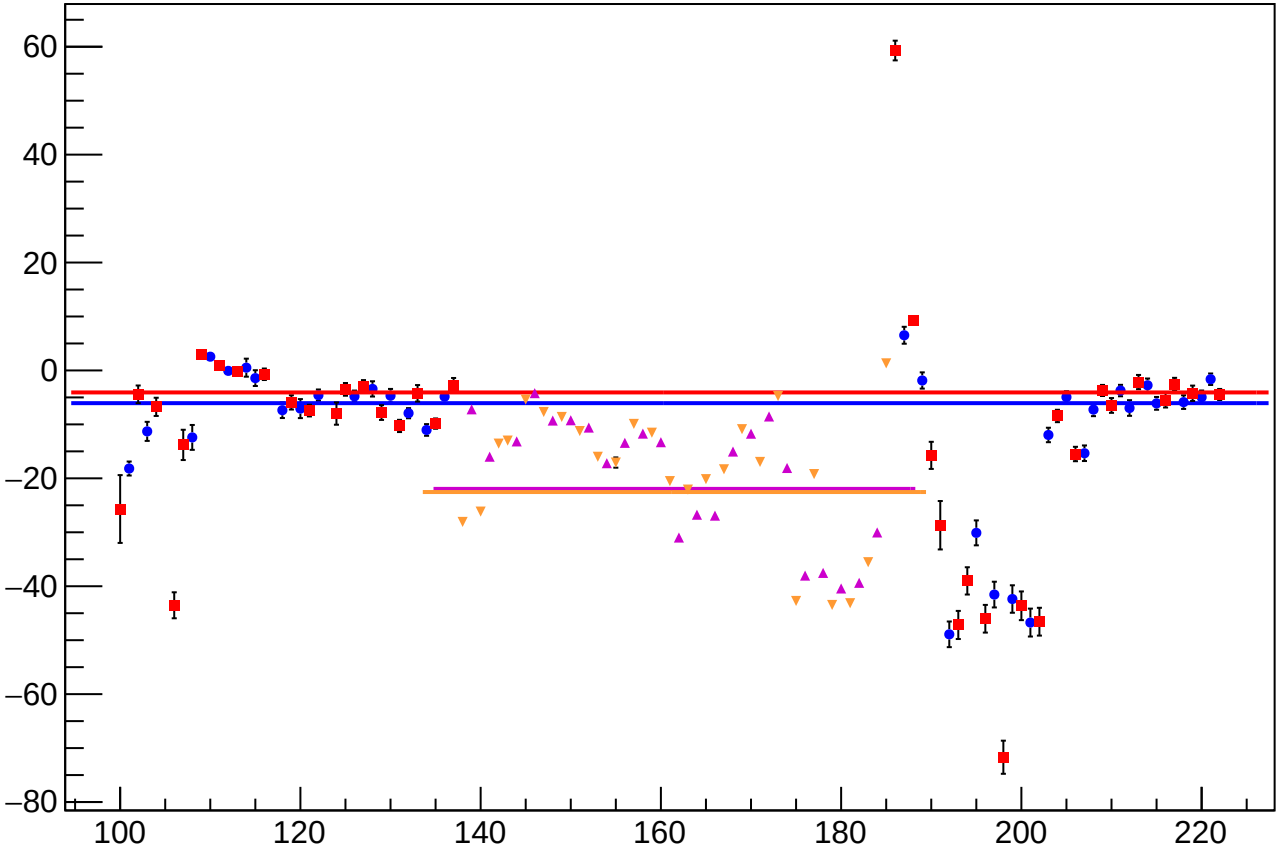
Right: 0.029+/-0.004 χ^2/NDF: 4101.7/71

In: 0.012+/-0.001 χ^2/NDF:3237.6/56

Out: 0.017+/-0.001 χ^2/NDF:3108.6/62

All: 0.015+/-0.001 χ^2/NDF: 6353.0/119

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: -4.078+/-0.206 χ^2/NDF: 3915.6/37

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

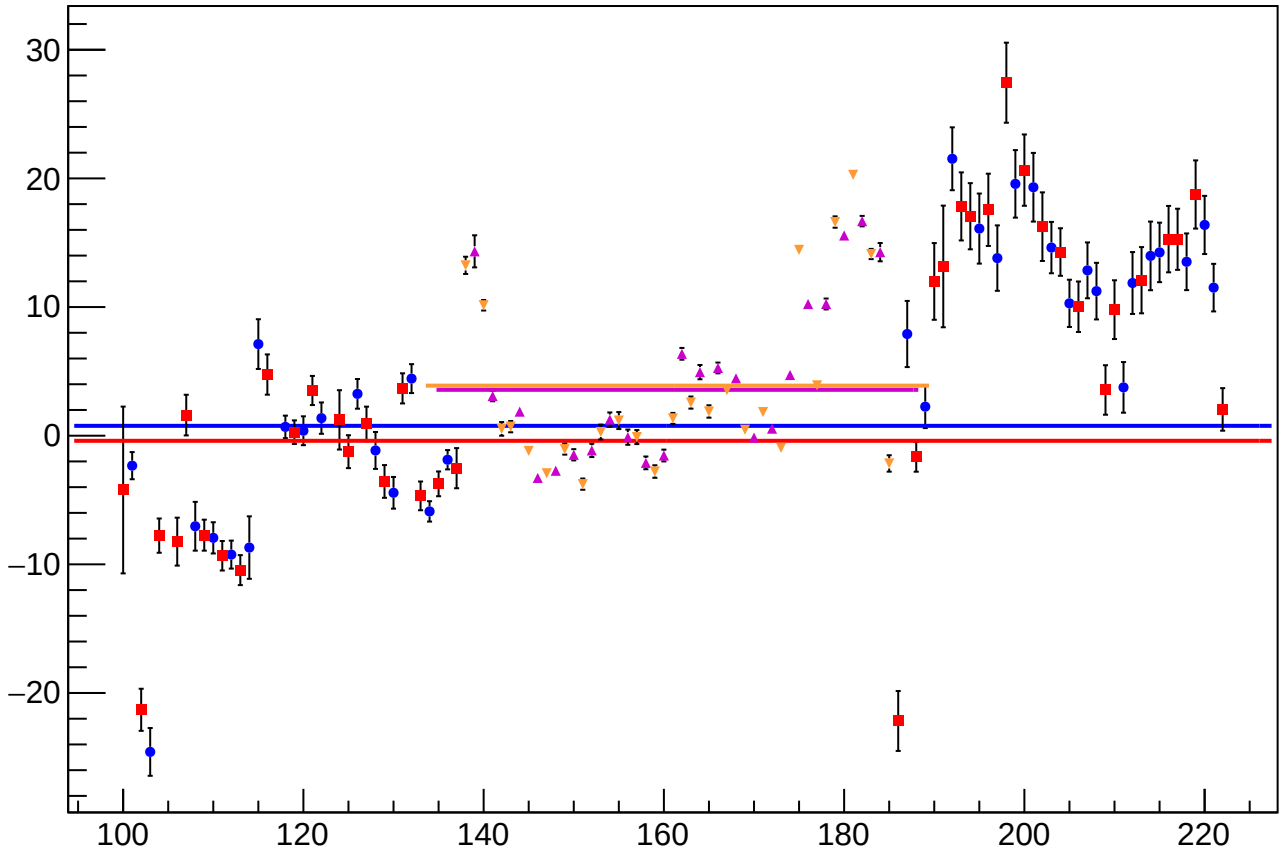
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.058+/-0.147 χ^2/NDF: 5598.5/71

In: -18.441+/-0.098 χ^2/NDF:18744.1/56

Out: -18.547+/-0.096 χ^2/NDF:26759.9/62

All: -18.495+/-0.069 χ^2/NDF: 45504.6/119



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: -0.397+/-0.257 χ^2/NDF: 1156.7/37

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

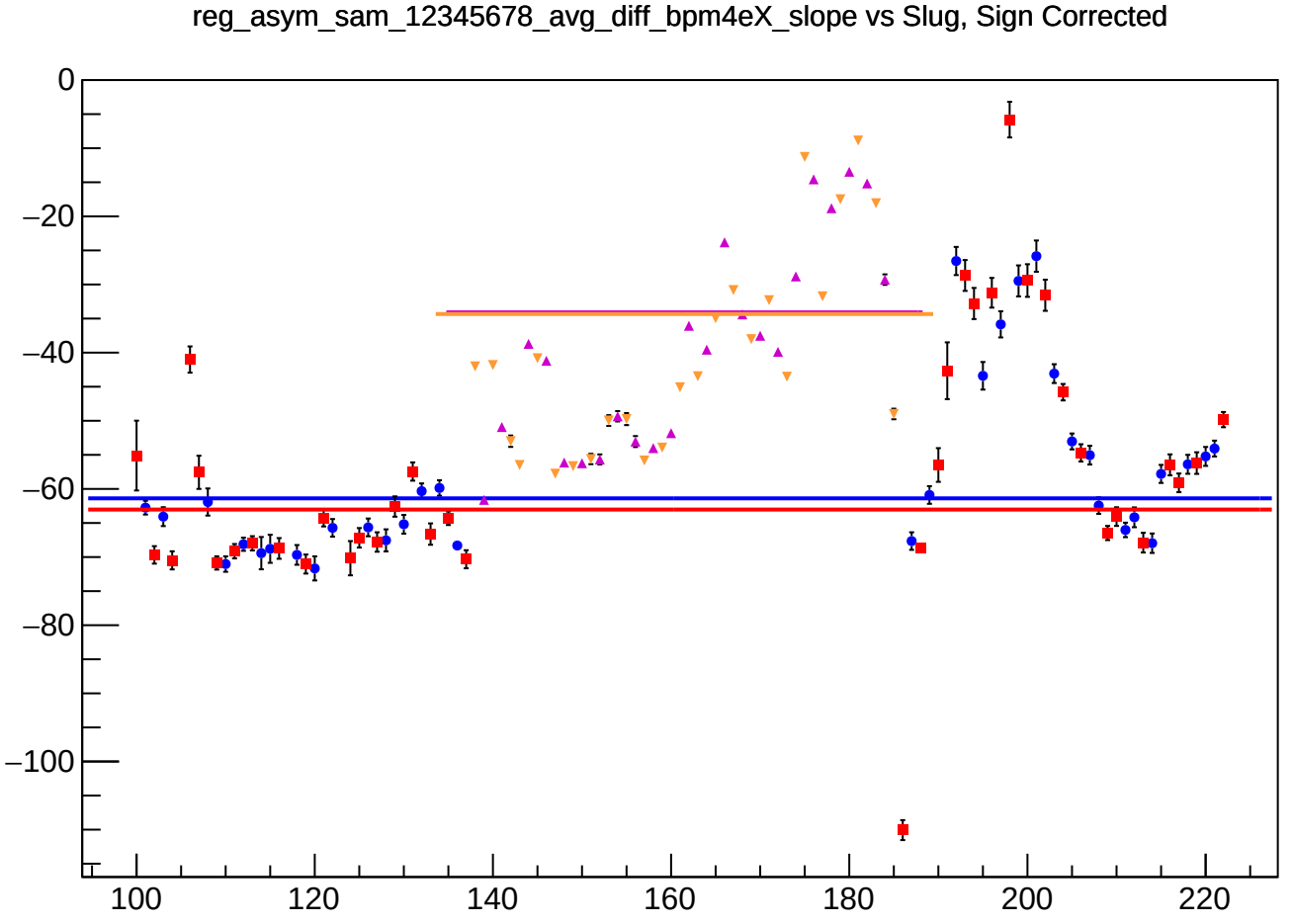
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: 0.201+/-0.180 χ^2/NDF: 2223.1/71

In: 3.269+/-0.082 χ^2/NDF:5906.9/56

Out: 3.476+/-0.080 χ^2/NDF:8131.2/62

All: 3.375+/-0.057 χ^2/NDF: 14041.4/119



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: -63.027+/-0.225 χ^2/NDF: 3516.3/37

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

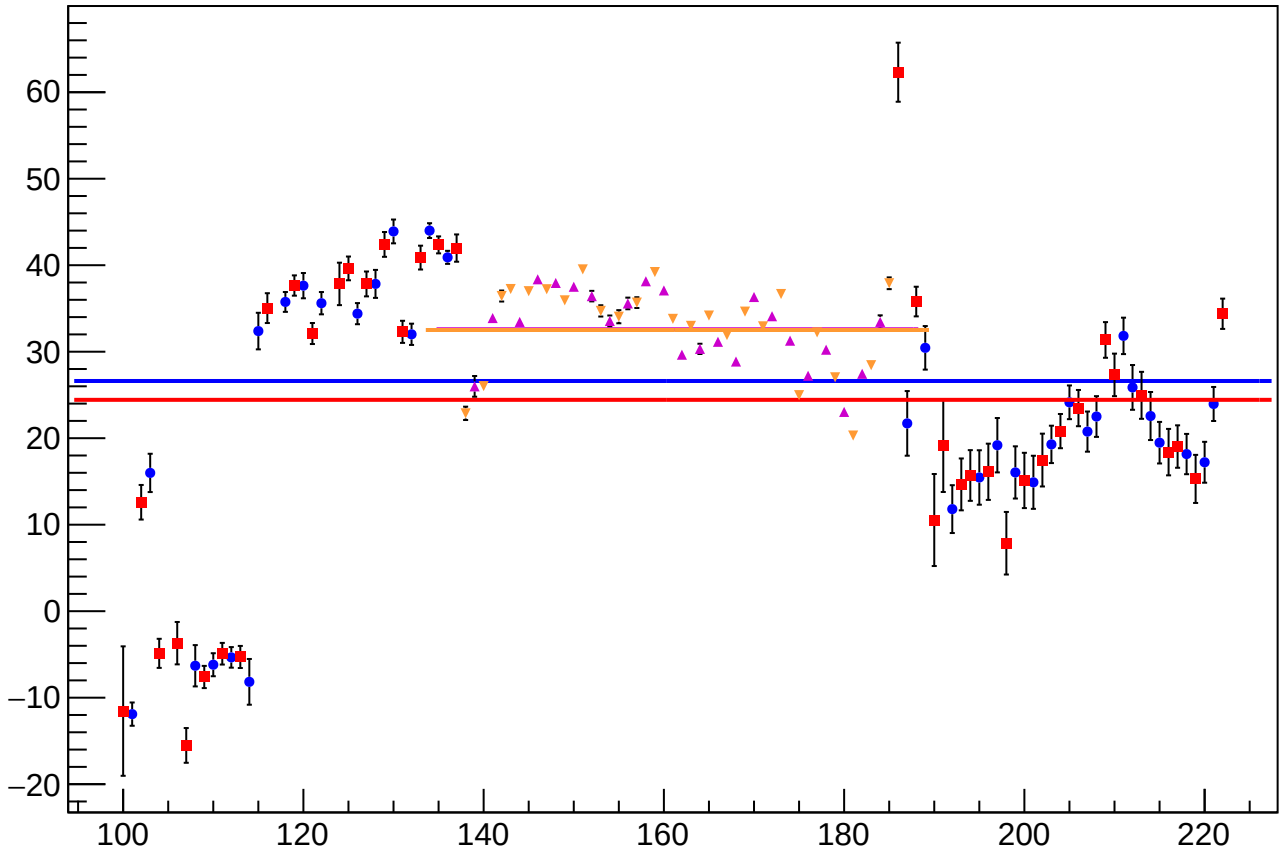
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -62.203+/-0.159 χ^2/NDF: 5290.8/71

In: -39.436+/-0.099 χ^2/NDF:31323.5/56

Out: -39.717+/-0.098 χ^2/NDF:37892.7/62

All: -39.579+/-0.070 χ^2/NDF: 69220.3/119



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: 24.436+/-0.292 χ^2/NDF: 4147.0/37

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

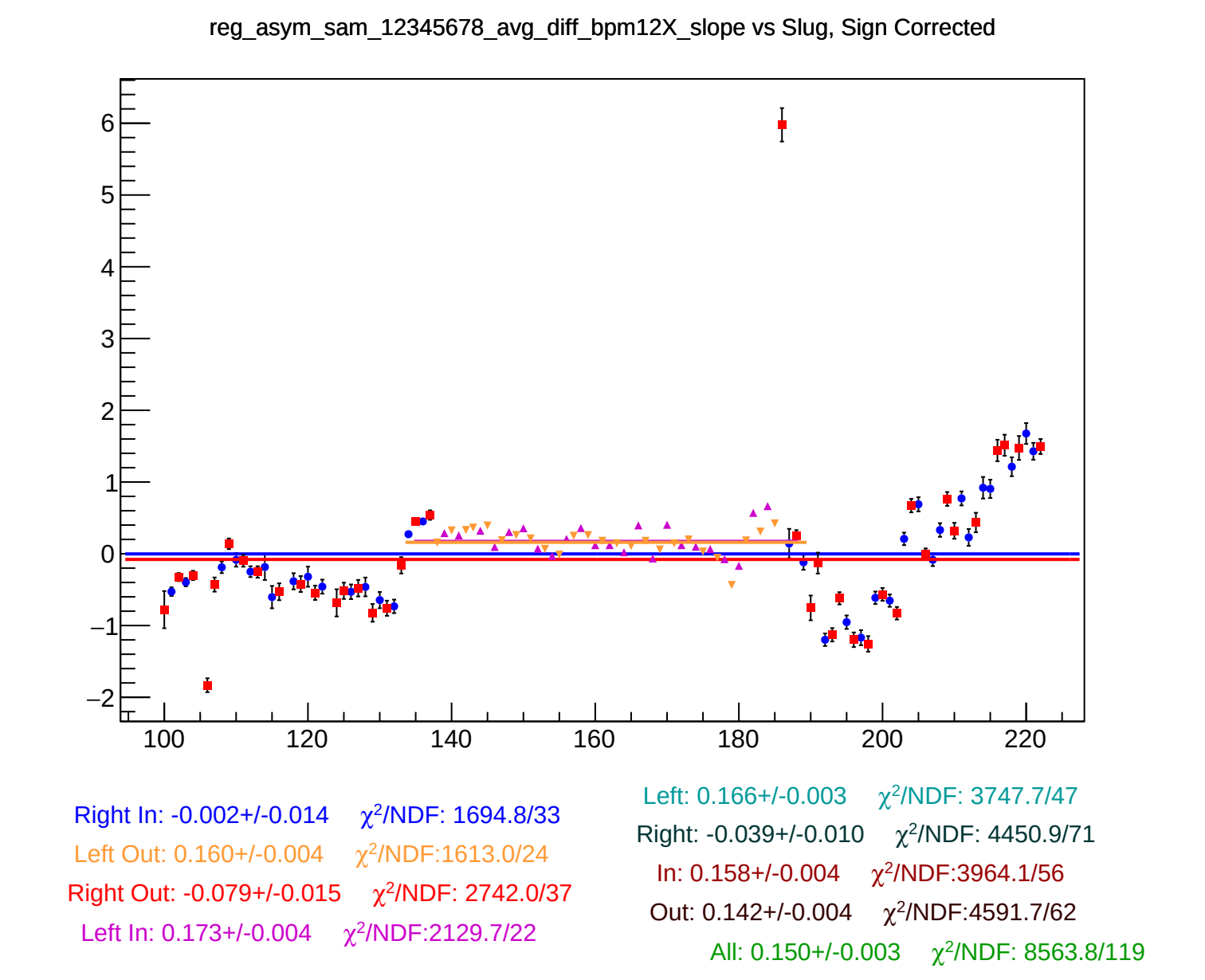
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

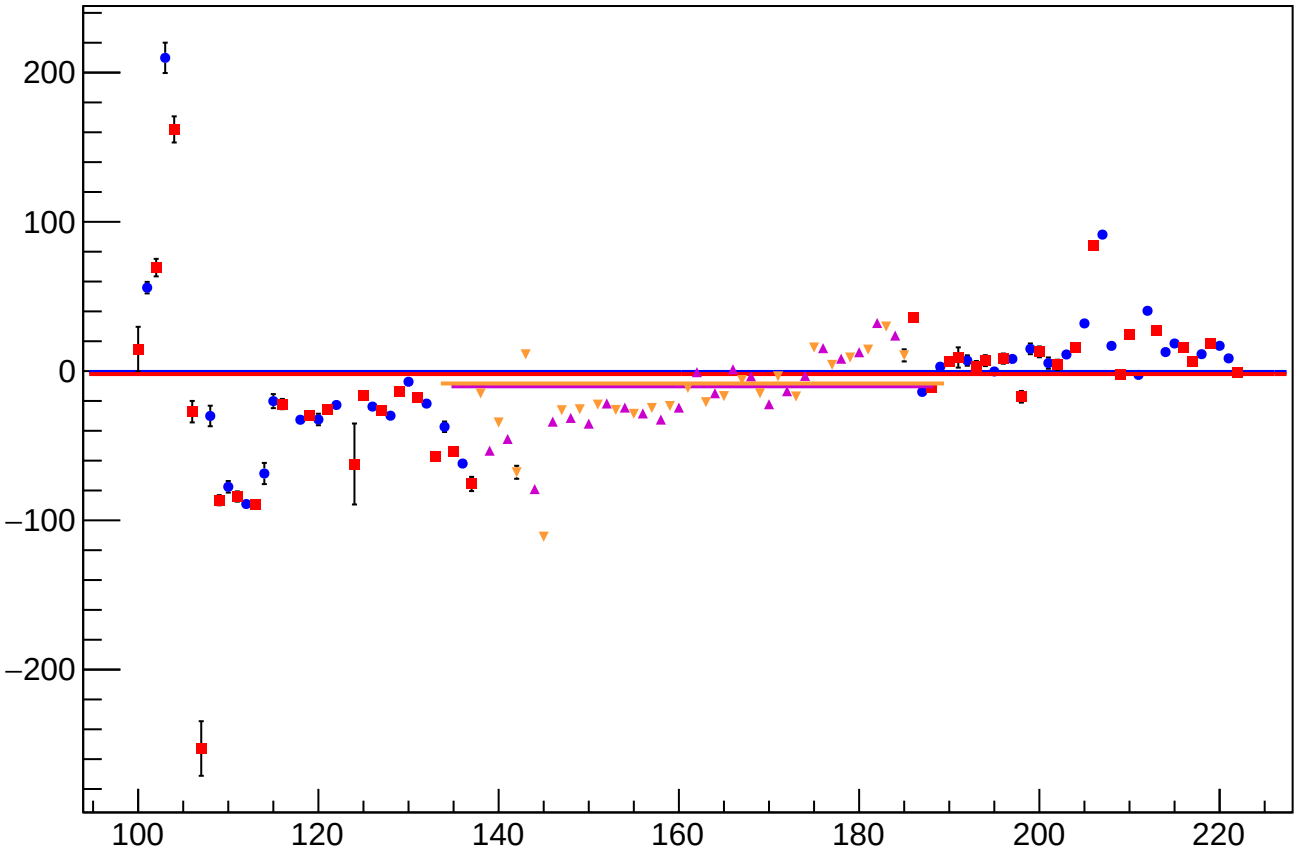
Right: 25.566+/-0.202 χ^2/NDF: 8073.7/71

In: 31.963+/-0.091 χ^2/NDF:6316.8/56

Out: 31.743+/-0.090 χ^2/NDF:7778.9/62

All: 31.851+/-0.064 χ^2/NDF: 14098.6/119


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.002+/-0.014 χ²/NDF: 1694.8/33
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.079+/-0.015 χ²/NDF: 2742.0/37
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
Left: 0.166+/-0.003 χ²/NDF: 3747.7/47
Right: -0.039+/-0.010 χ²/NDF: 4450.9/71
In: 0.158+/-0.004 χ²/NDF:3964.1/56
Out: 0.142+/-0.004 χ²/NDF:4591.7/62
All: 0.150+/-0.003 χ²/NDF: 8563.8/119



Right In: -0.581+/-0.477 χ^2/NDF: 5159.6/33

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -1.997+/-0.458 χ^2/NDF: 6023.2/37

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

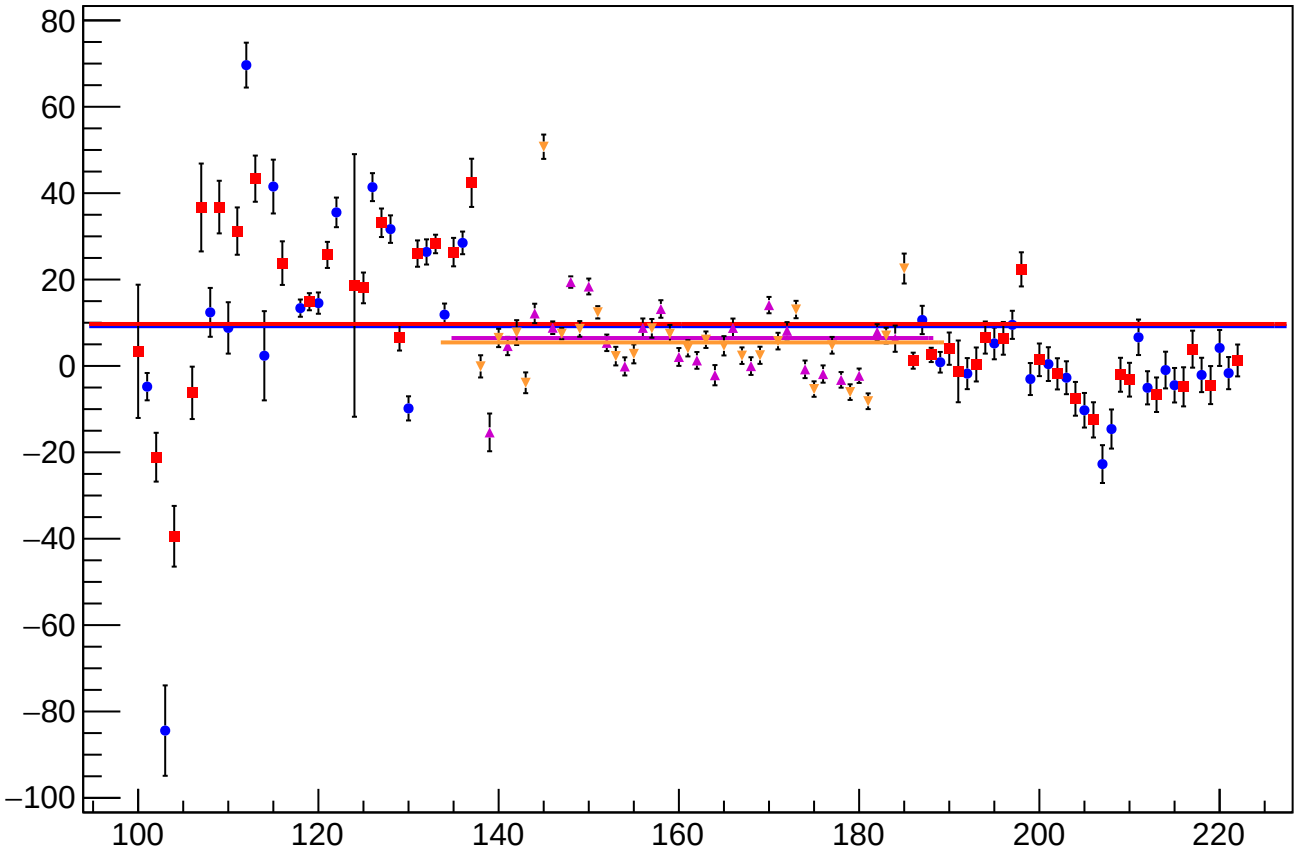
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -1.318+/-0.330 χ^2/NDF: 11187.3/71

In: -4.916+/-0.354 χ^2/NDF:7860.6/56

Out: -4.787+/-0.342 χ^2/NDF:8666.7/62

All: -4.849+/-0.246 χ^2/NDF: 16527.3/119



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: 9.714+/-0.574 χ^2/NDF: 620.8/37

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

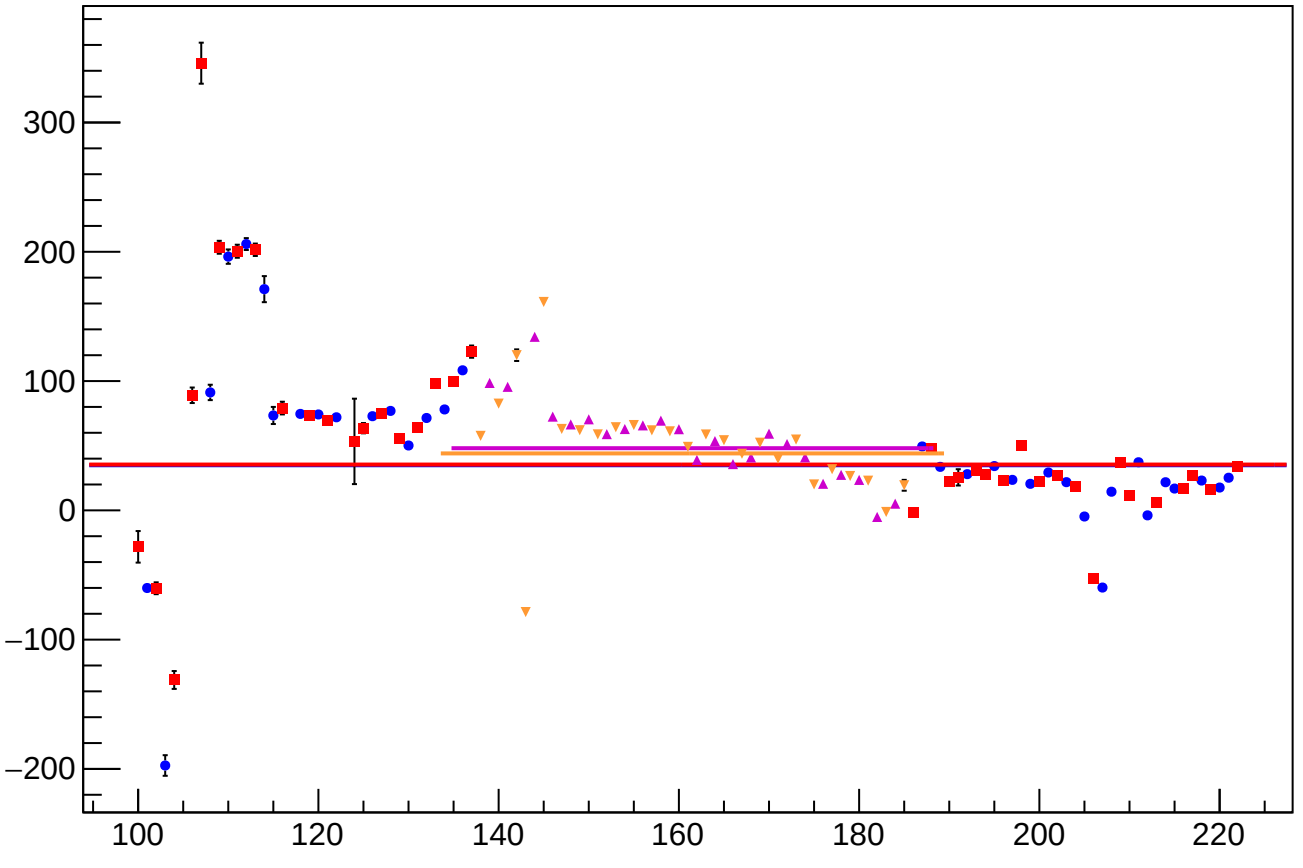
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.469+/-0.414 χ^2/NDF: 1439.6/71

In: 7.333+/-0.337 χ^2/NDF:1168.7/56

Out: 6.813+/-0.325 χ^2/NDF:1152.1/62

All: 7.063+/-0.234 χ^2/NDF: 2322.1/119



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: 35.420+/-0.445 χ^2/NDF: 9447.4/37

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

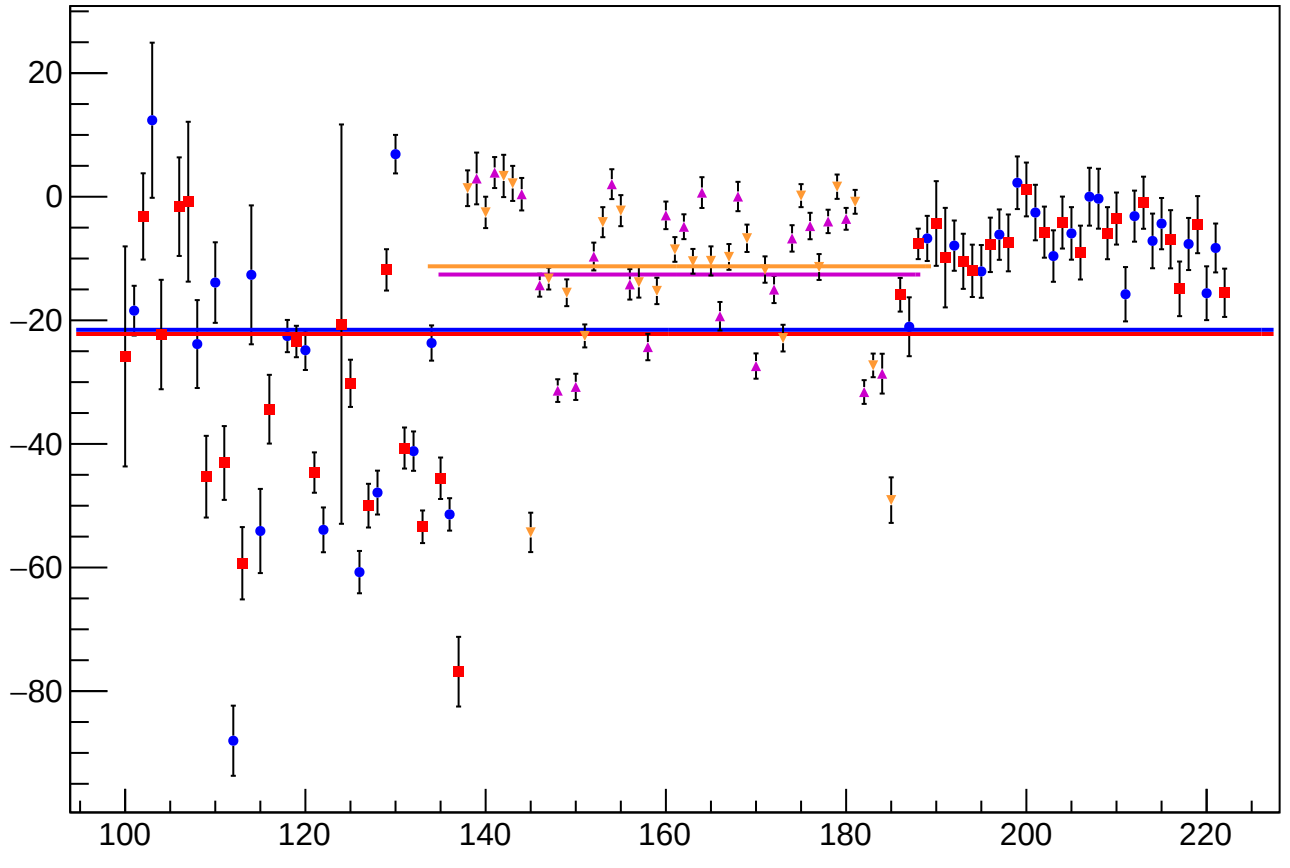
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 35.177+/-0.328 χ^2/NDF: 17890.9/71

In: 40.993+/-0.355 χ^2/NDF:12163.2/56

Out: 39.151+/-0.335 χ^2/NDF:14173.3/62

All: 40.021+/-0.244 χ^2/NDF: 26350.7/119



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: -22.213+/-0.682 χ^2/NDF: 769.0/37

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

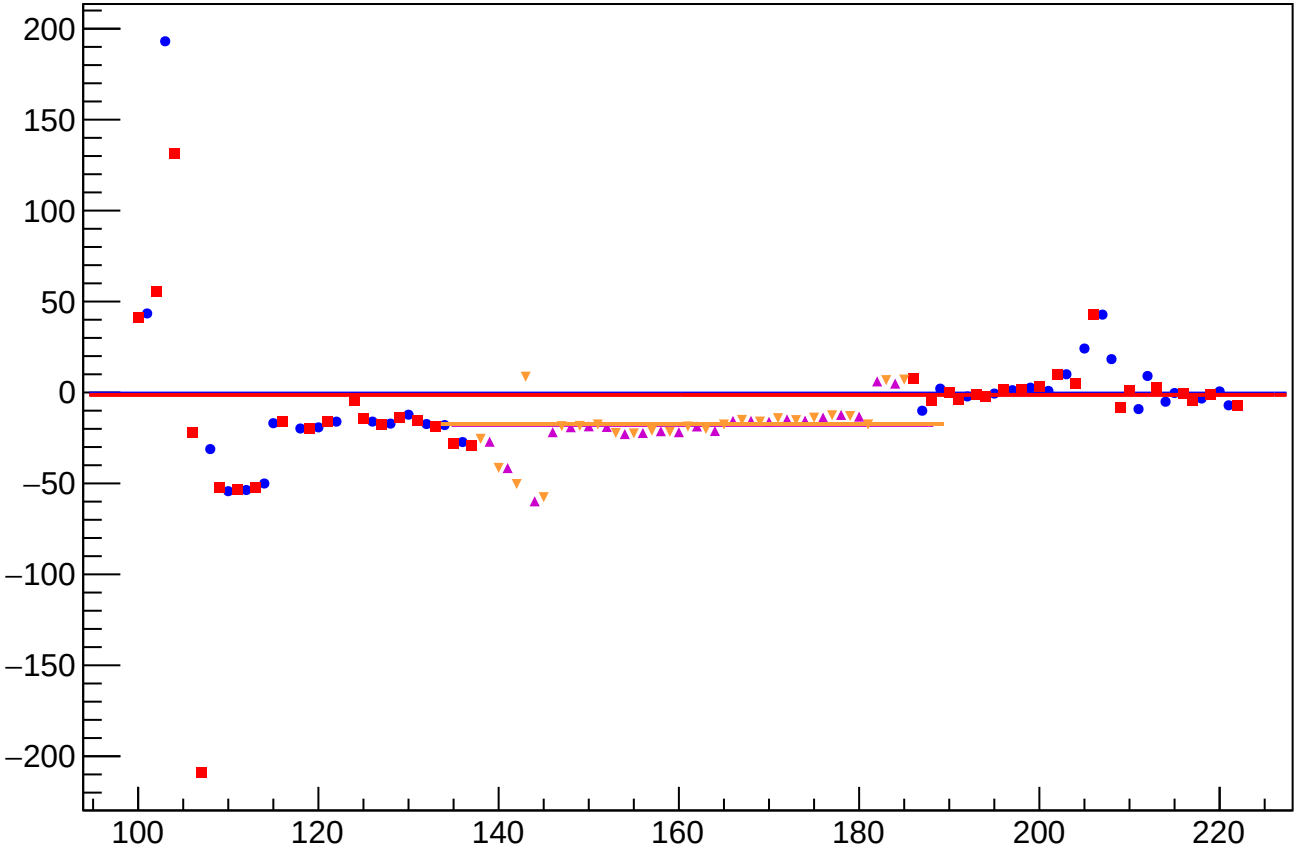
Right: -21.875+/-0.484 χ^2/NDF: 1688.8/71

In: -15.348+/-0.382 χ^2/NDF:1708.4/56

Out: -14.531+/-0.373 χ^2/NDF:1593.2/62

All: -14.930+/-0.267 χ^2/NDF: 3304.0/119

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



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: -1.330+/-0.033 χ^2/NDF: 572473.8/37

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

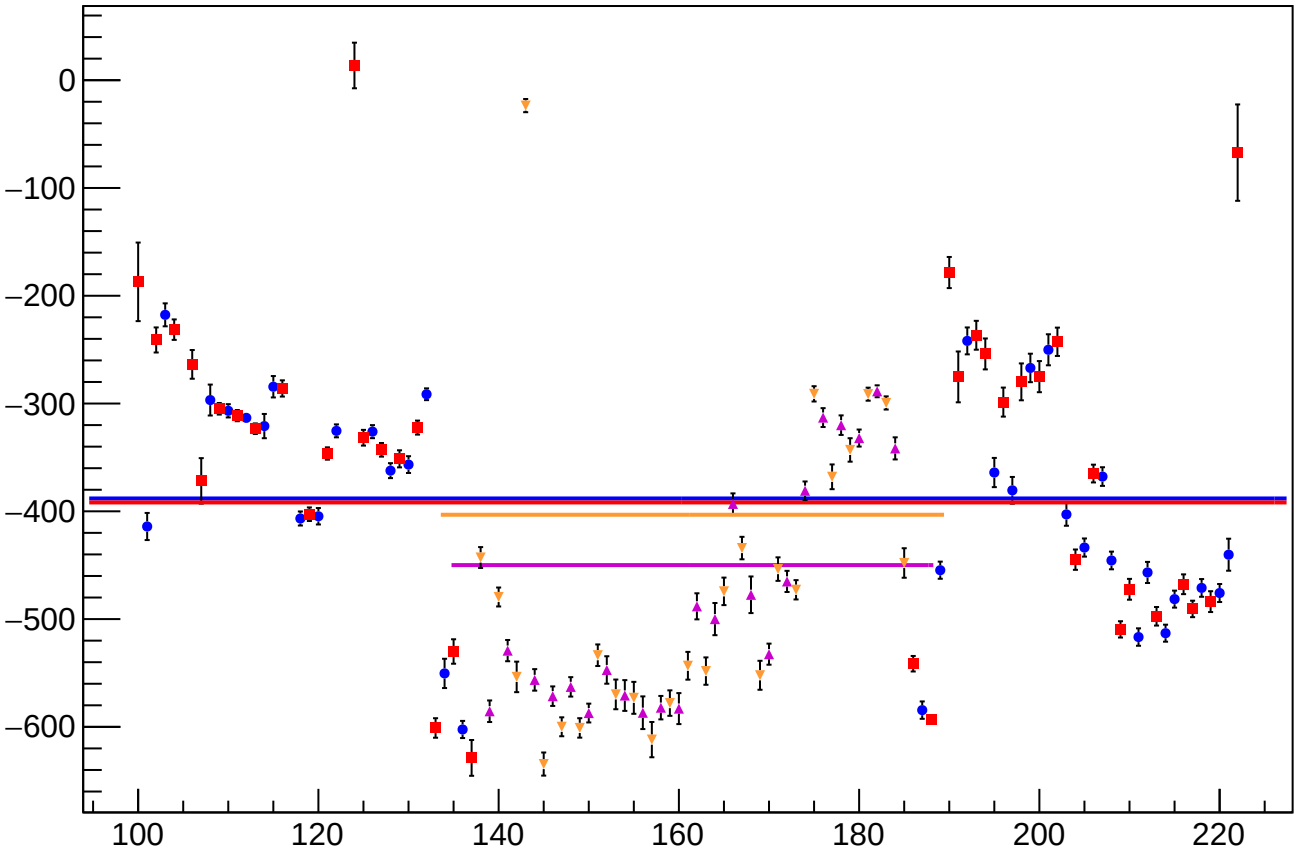
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.975+/-0.023 χ^2/NDF: 1221694.9/71

In: -13.078+/-0.017 χ^2/NDF:1115096.2/56

Out: -12.948+/-0.017 χ^2/NDF:1096140.8/62

All: -13.012+/-0.012 χ^2/NDF: 2211265.6/119



Right In: -388.081+/-1.410 χ^2/NDF: 4309.8/33

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -391.774+/-1.360 χ^2/NDF: 7321.9/37

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

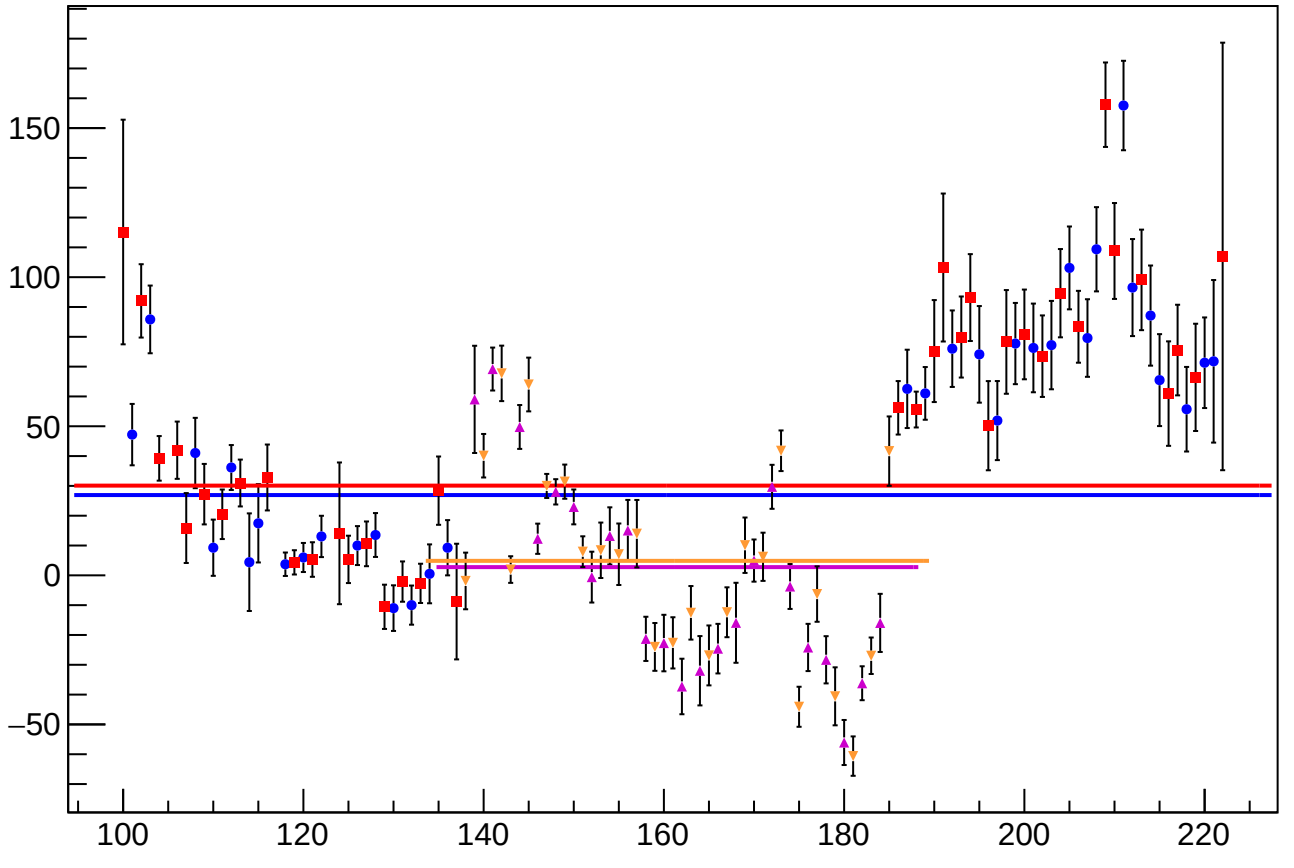
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -389.994+/-0.979 χ^2/NDF: 11635.3/71

In: -408.021+/-1.160 χ^2/NDF:8149.2/56

Out: -395.569+/-1.111 χ^2/NDF:15095.6/62

All: -401.525+/-0.802 χ^2/NDF: 23304.9/119



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: 30.091+/-1.584 χ^2/NDF: 476.3/37

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

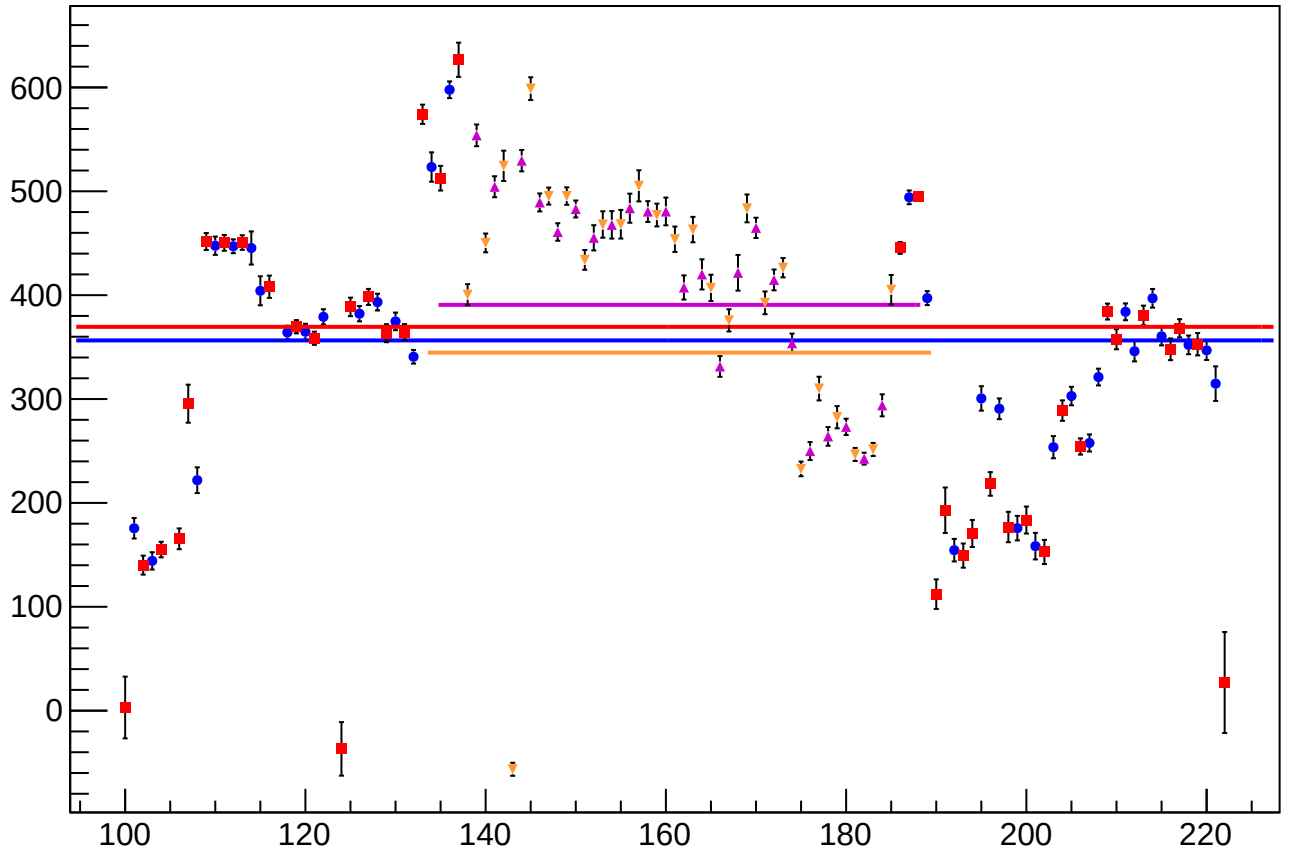
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 28.533+/-1.129 χ^2/NDF: 946.7/71

In: 14.416+/-1.118 χ^2/NDF:984.7/56

Out: 16.333+/-1.068 χ^2/NDF:1071.8/62

All: 15.418+/-0.772 χ^2/NDF: 2058.0/119



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: 369.523+/-1.422 χ^2/NDF: 7271.2/37

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

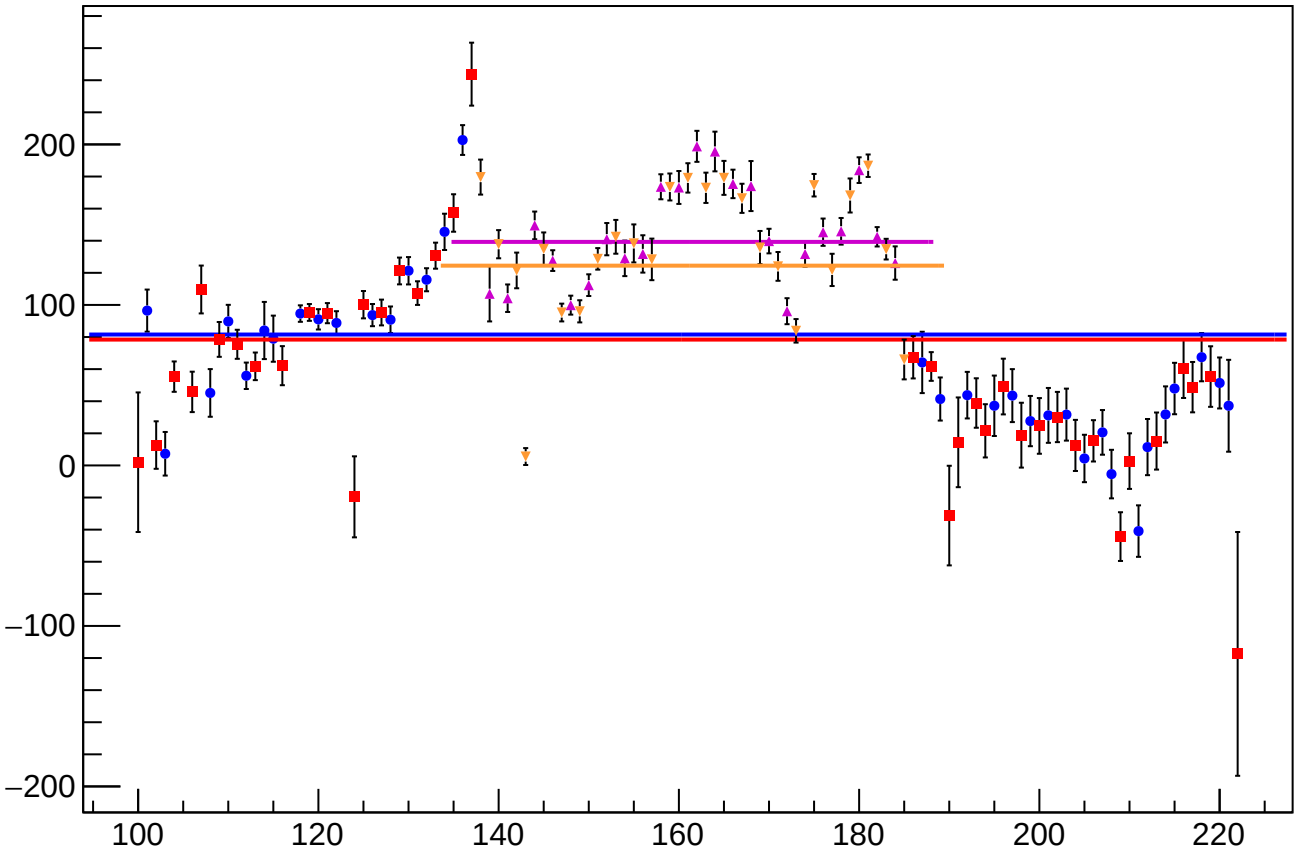
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.367+/-1.034 χ^2/NDF: 11528.8/71

In: 368.617+/-1.210 χ^2/NDF:7073.8/56

Out: 360.748+/-1.143 χ^2/NDF:14657.2/62

All: 364.459+/-0.831 χ^2/NDF: 21753.4/119



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: 78.406+/-1.853 χ^2/NDF: 510.7/37

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

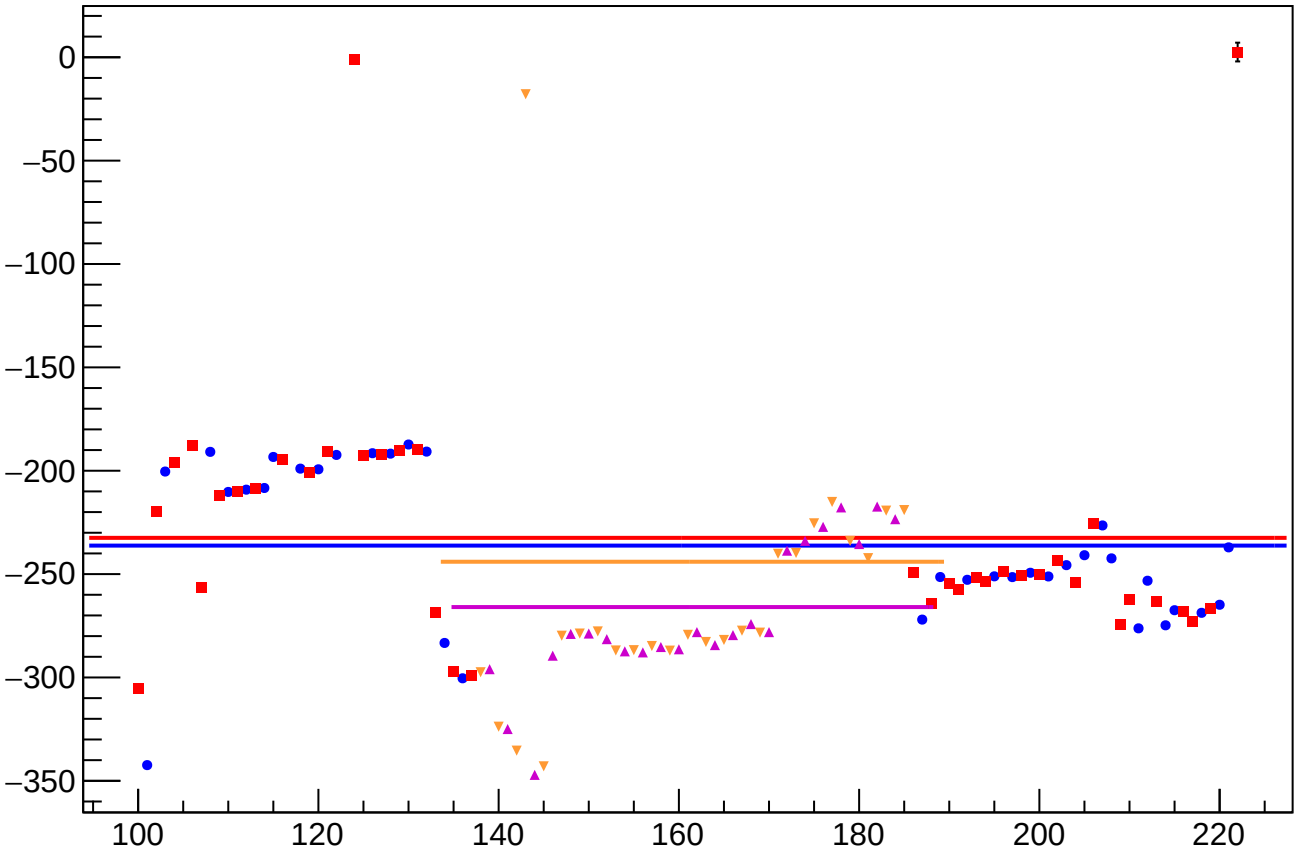
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 79.968+/-1.316 χ^2/NDF: 1051.3/71

In: 111.988+/-1.285 χ^2/NDF:1303.1/56

Out: 103.938+/-1.237 χ^2/NDF:1790.6/62

All: 107.811+/-0.891 χ^2/NDF: 3114.1/119



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: -232.465+/-0.099 χ^2/NDF: 124793.7/37

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

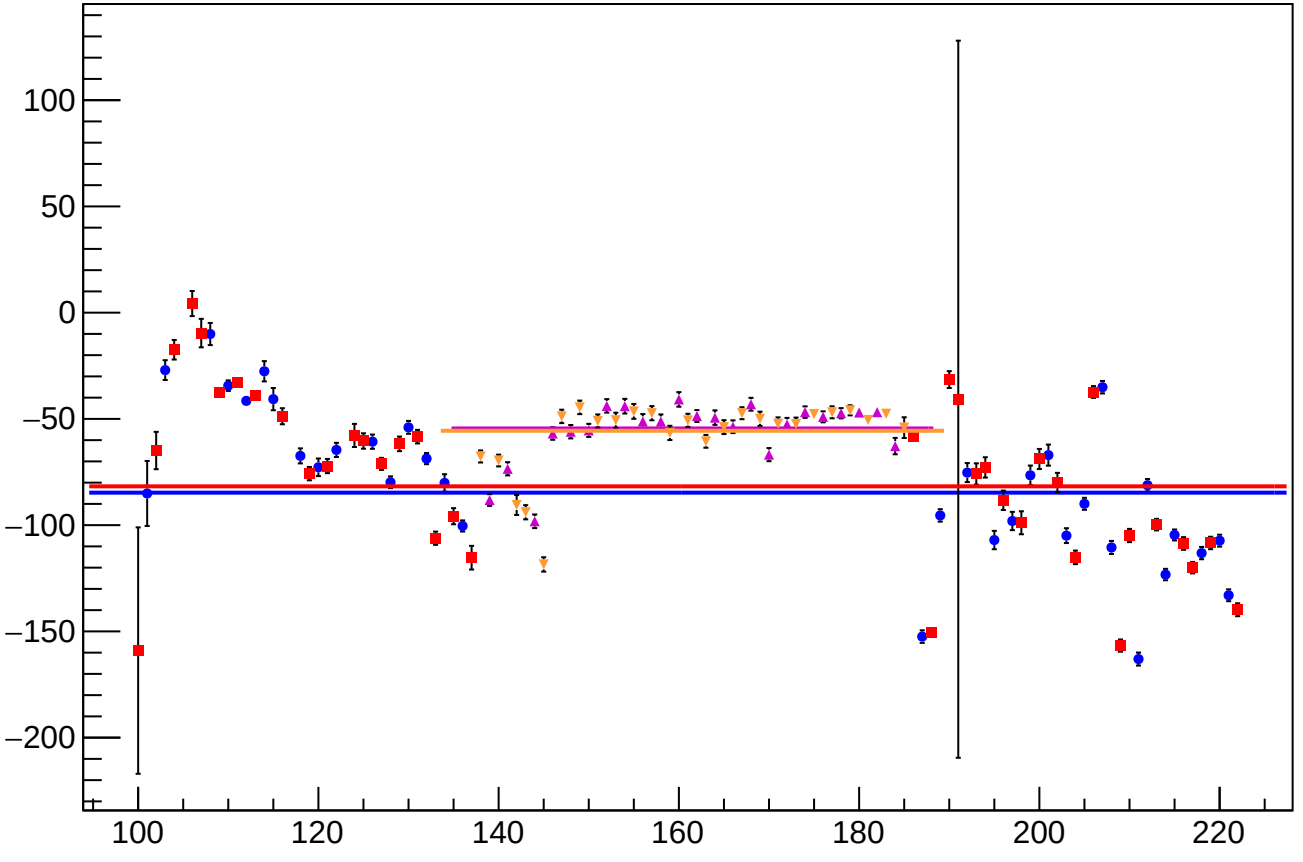
Right: -234.285+/-0.071 χ^2/NDF: 271010.2/71

In: -254.520+/-0.063 χ^2/NDF:367878.0/56

Out: -239.642+/-0.061 χ^2/NDF:1131215.4/62

All: -246.814+/-0.044 χ^2/NDF: 1527826.9/11

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -84.709+/-0.555 χ^2/NDF: 4052.5/33

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -81.734+/-0.524 χ^2/NDF: 5962.4/37

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

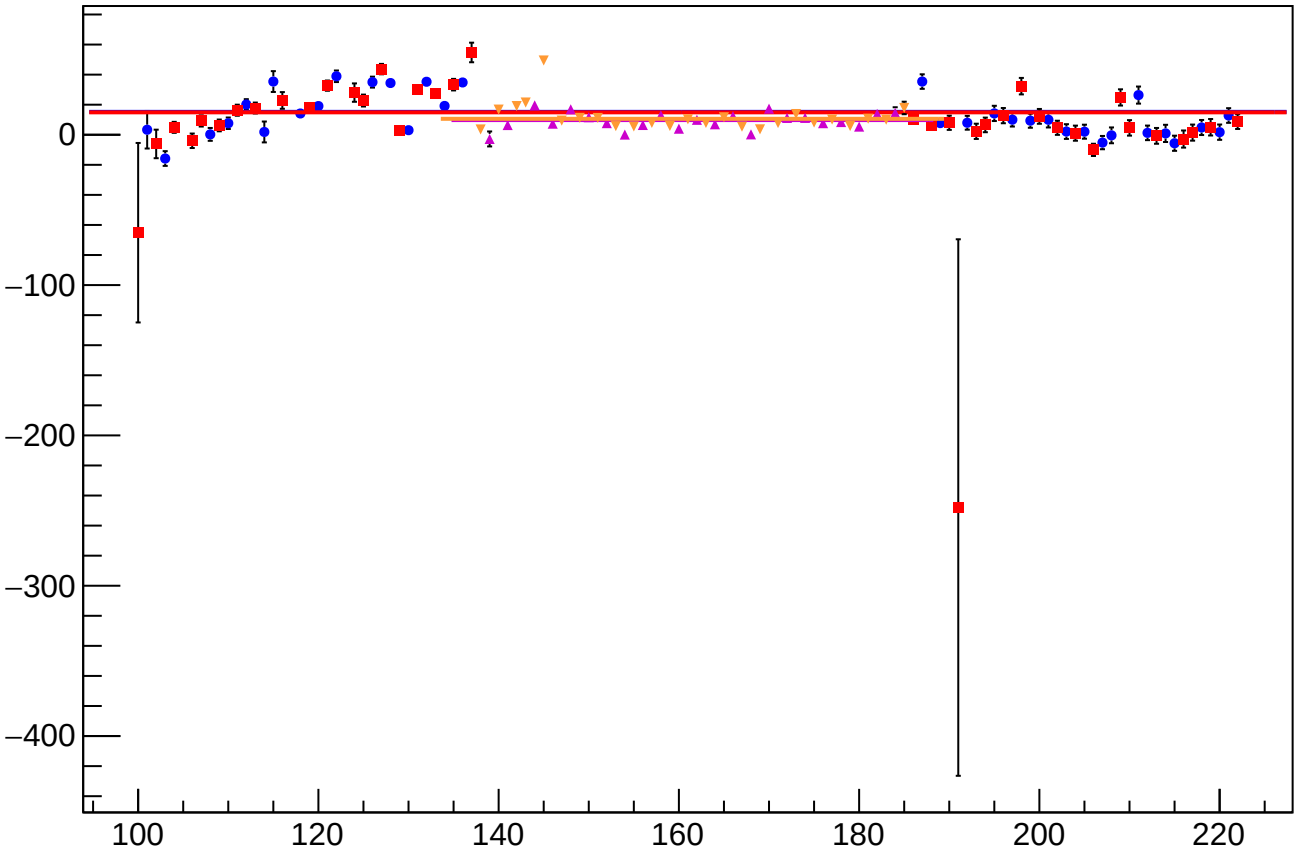
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -83.137+/-0.381 χ^2/NDF: 10030.1/71

In: -70.934+/-0.409 χ^2/NDF:5903.8/56

Out: -70.194+/-0.392 χ^2/NDF:7747.3/62

All: -70.548+/-0.283 χ^2/NDF: 13652.7/119



Right In: 15.236+/-0.686 χ^2/NDF: 398.4/33

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 14.913+/-0.643 χ^2/NDF: 400.6/37

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

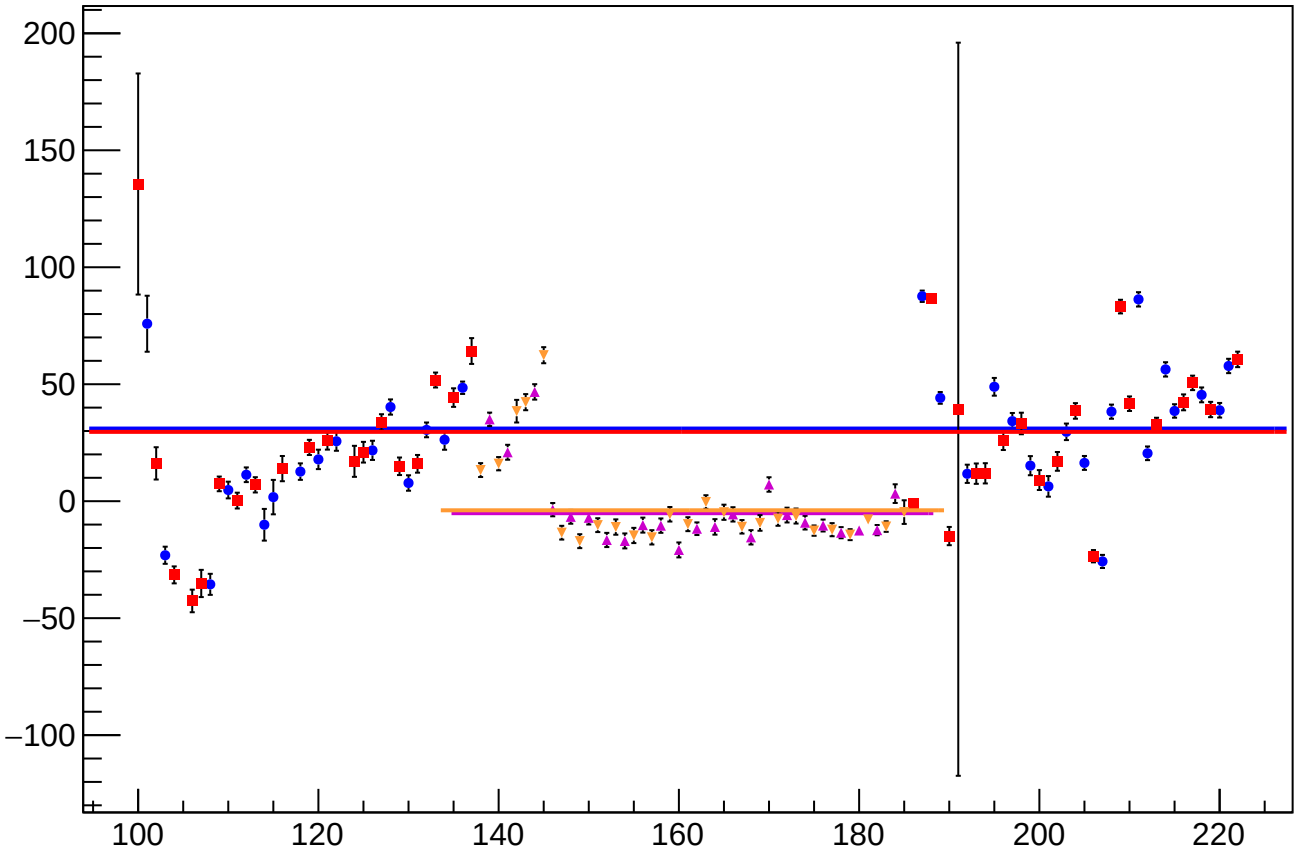
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.064+/-0.469 χ^2/NDF: 799.1/71

In: 11.496+/-0.386 χ^2/NDF:562.8/56

Out: 12.017+/-0.368 χ^2/NDF:685.9/62

All: 11.769+/-0.266 χ^2/NDF: 1249.7/119



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: 29.641+/-0.534 χ^2/NDF: 4252.4/37

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

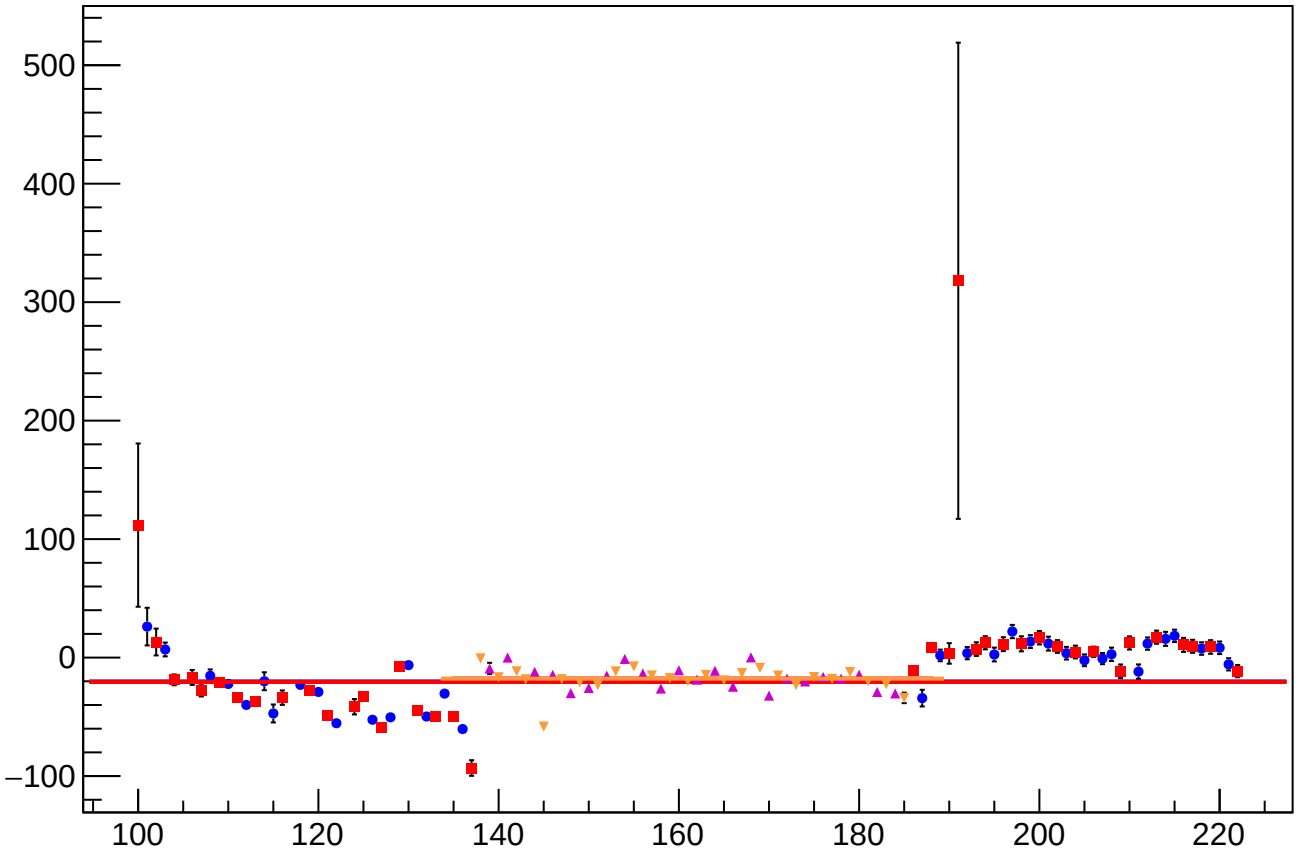
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 30.285+/-0.394 χ^2/NDF: 6619.6/71

In: 13.458+/-0.418 χ^2/NDF:4883.7/56

Out: 14.390+/-0.395 χ^2/NDF:6893.9/62

All: 13.951+/-0.287 χ^2/NDF: 11780.2/119



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: -20.562+/-0.757 χ^2/NDF: 1088.2/37

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

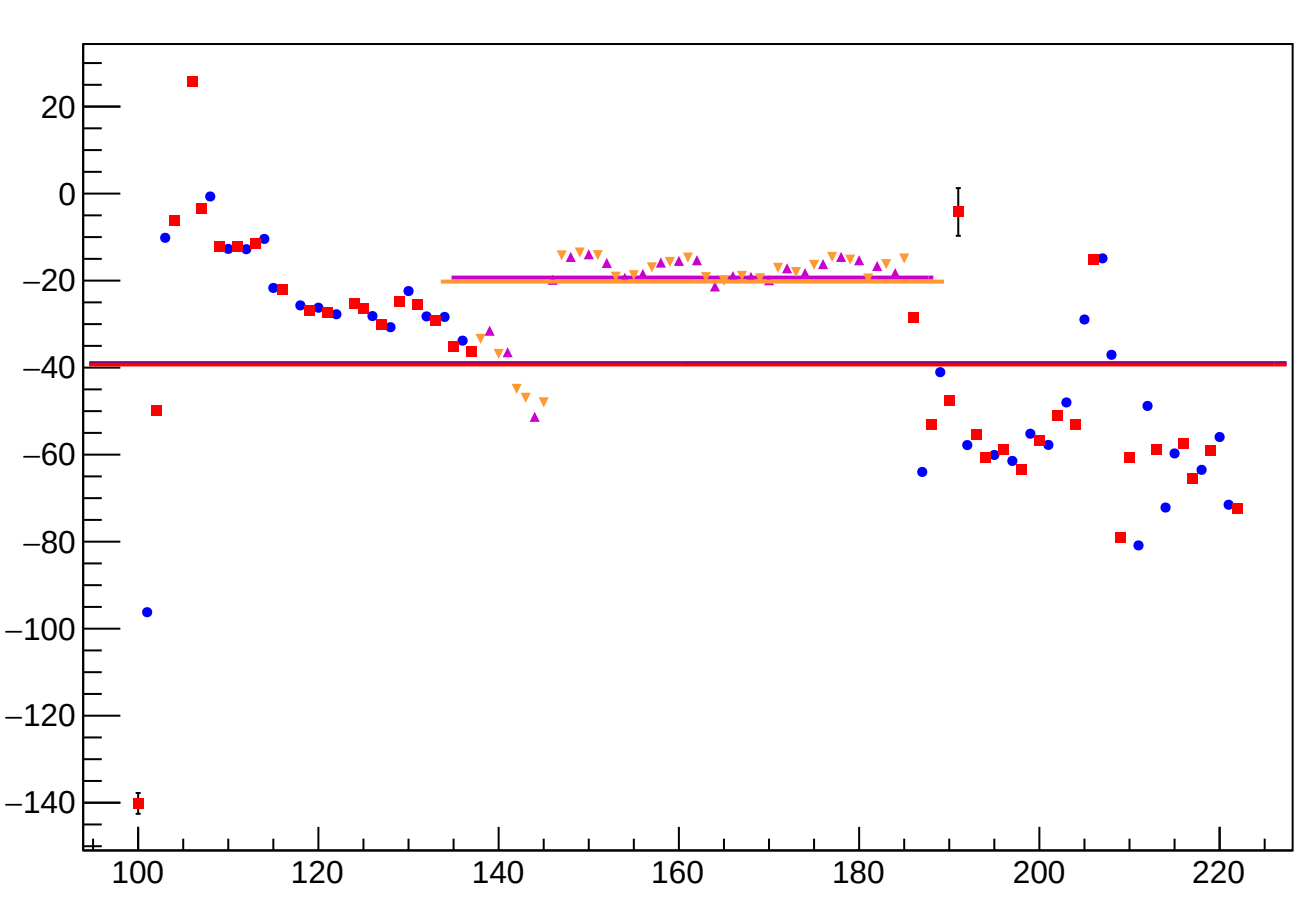
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -20.353+/-0.544 χ^2/NDF: 2101.3/71

In: -18.416+/-0.437 χ^2/NDF:1305.8/56

Out: -18.643+/-0.422 χ^2/NDF:1349.1/62

All: -18.533+/-0.304 χ^2/NDF: 2655.0/119



Right In: -38.992+/-0.038 χ^2/NDF: 279895.2/33

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -39.273+/-0.038 χ^2/NDF: 356425.1/37

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

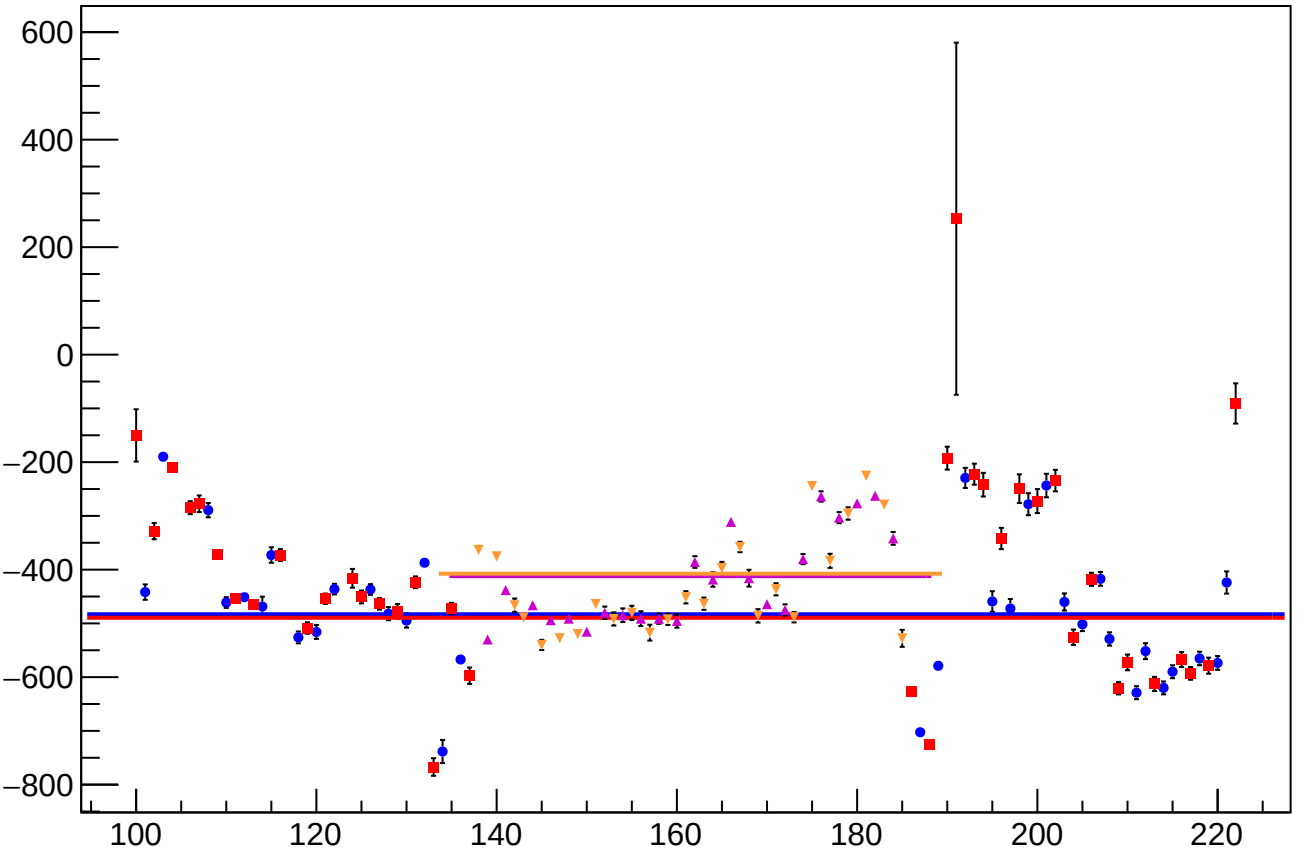
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -39.134+/-0.027 χ^2/NDF: 636347.3/71

In: -24.603+/-0.020 χ^2/NDF:565467.3/56

Out: -25.275+/-0.020 χ^2/NDF:687826.1/62

All: -24.944+/-0.014 χ^2/NDF: 1253872.6/119



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: -489.531+/-1.894 χ^2/NDF: 6669.9/37

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

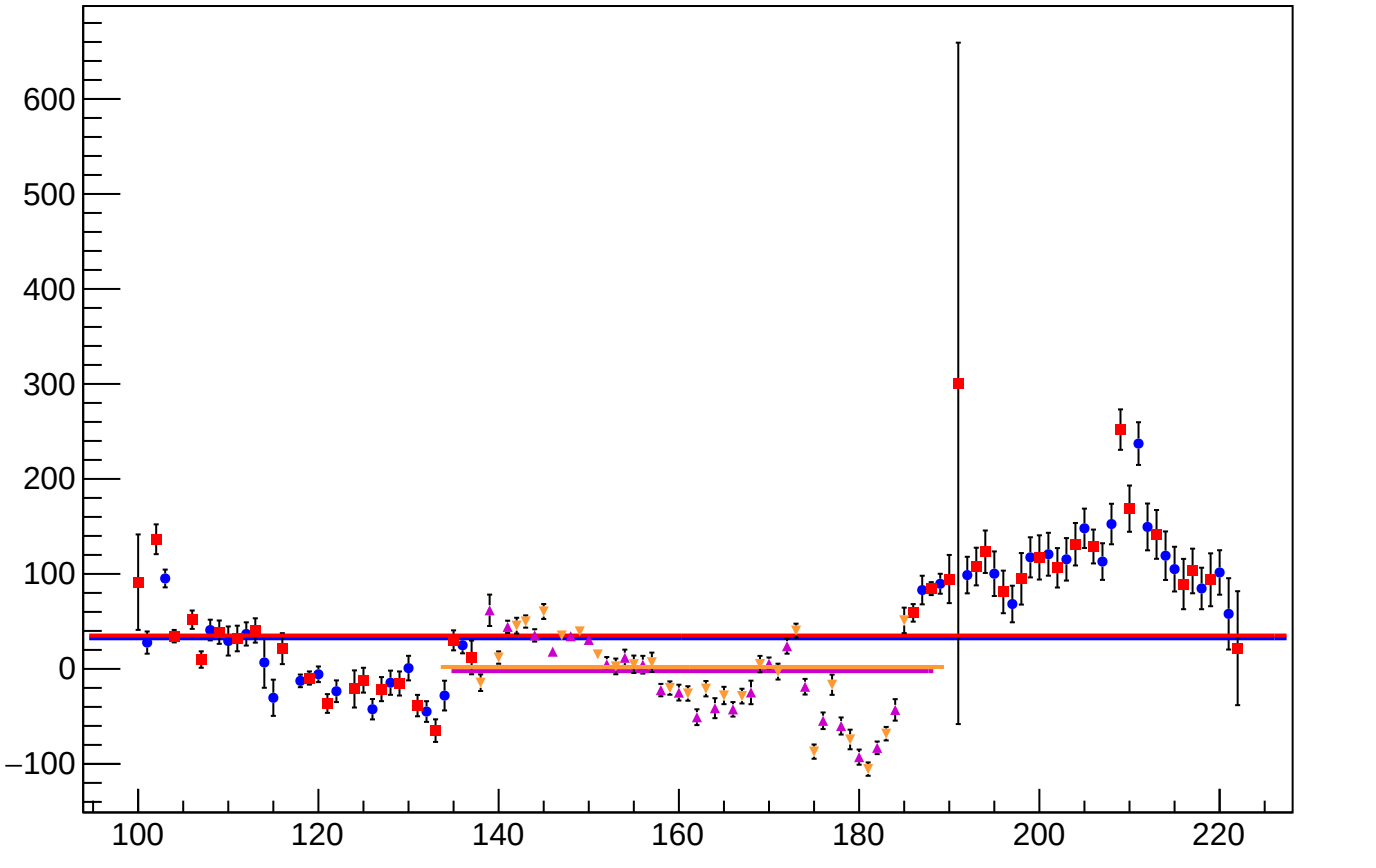
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -486.529+/-1.391 χ^2/NDF: 10085.9/71

In: -446.834+/-1.435 χ^2/NDF:6203.5/56

Out: -449.752+/-1.359 χ^2/NDF:10451.3/62

All: -448.372+/-0.987 χ^2/NDF: 16657.0/119



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: 35.115+/-2.155 χ^2/NDF: 664.2/37

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

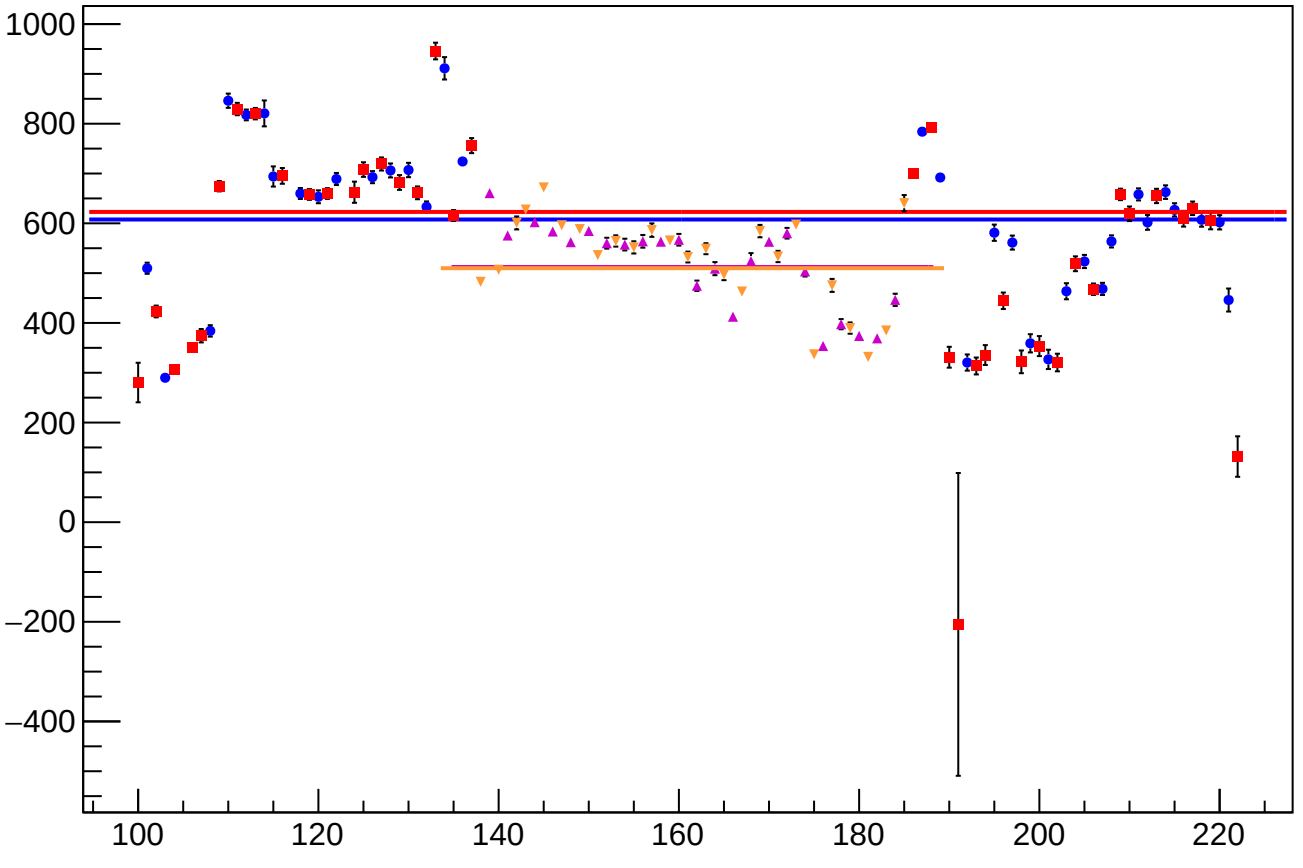
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.798+/-1.590 χ^2/NDF: 1280.1/71

In: 7.443+/-1.255 χ^2/NDF:1502.8/56

Out: 12.106+/-1.189 χ^2/NDF:1738.8/62

All: 9.900+/-0.863 χ^2/NDF: 3248.8/119



Right In: 607.676+/-2.091 χ^2/NDF: 5612.1/33

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.870+/-1.871 χ^2/NDF: 8969.0/37

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

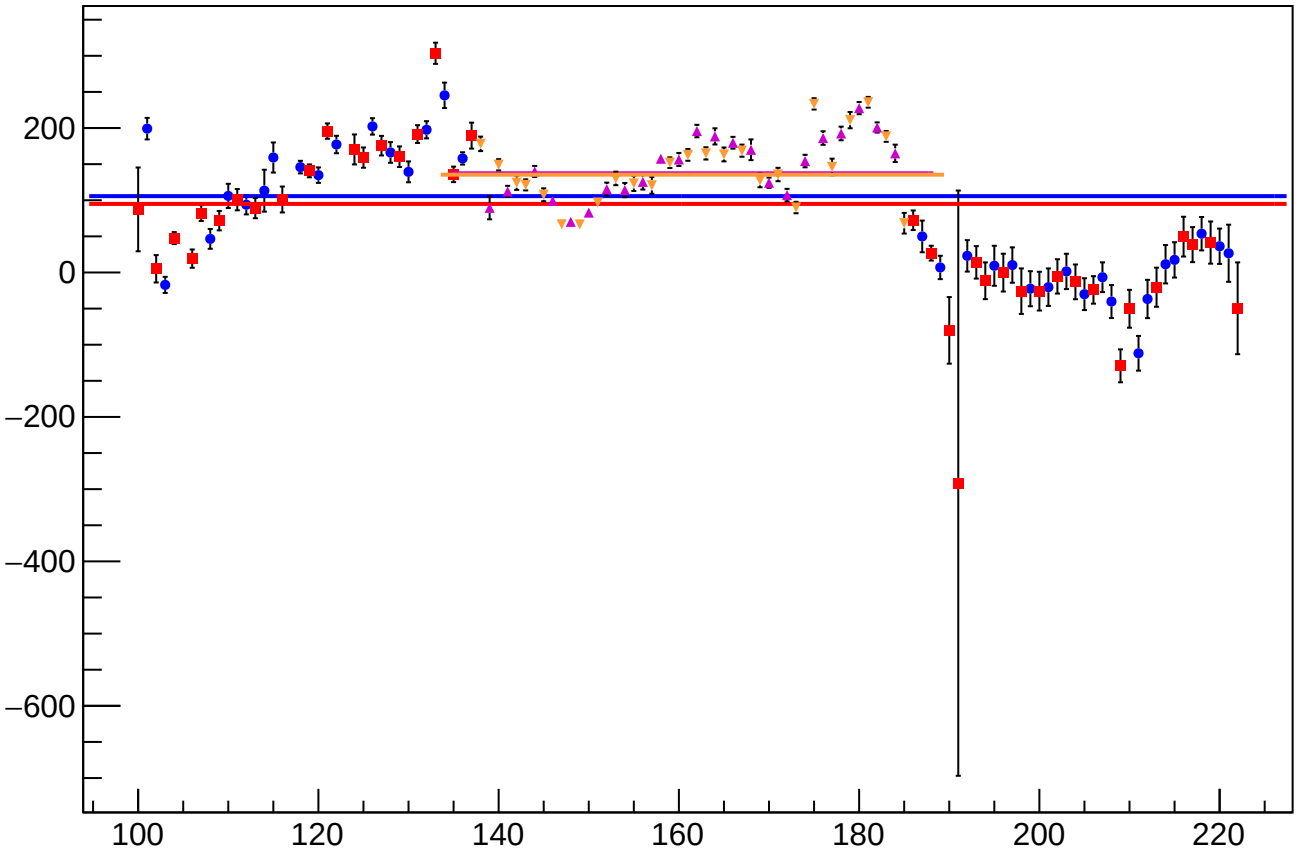
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.114+/-1.395 χ^2/NDF: 14610.4/71

In: 557.457+/-1.439 χ^2/NDF:8795.1/56

Out: 568.299+/-1.345 χ^2/NDF:13391.9/62

All: 563.243+/-0.983 χ^2/NDF: 22217.3/119



Right In: 105.717+/-2.739 χ^2/NDF: 922.9/33

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 94.956+/-2.574 χ^2/NDF: 988.2/37

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

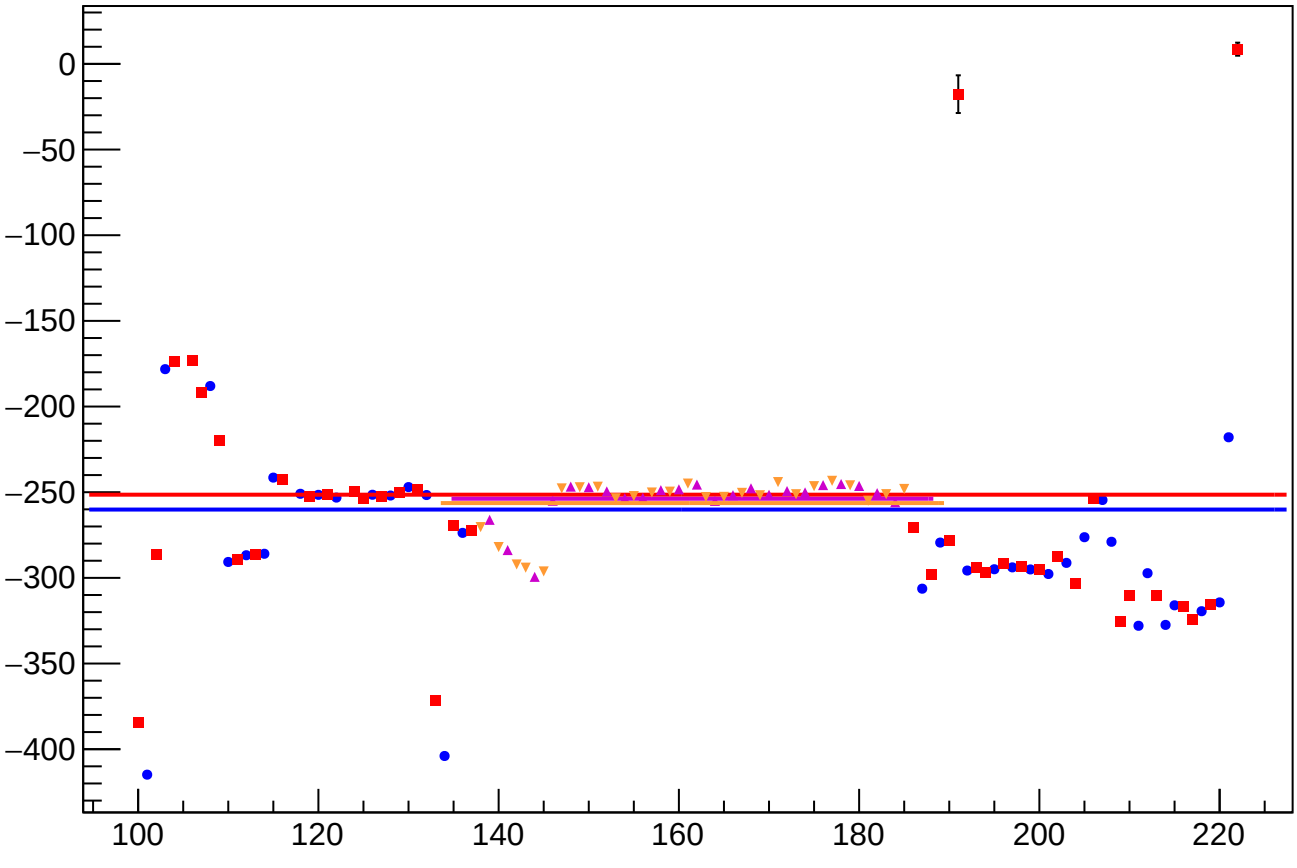
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 100.003+/-1.876 χ^2/NDF: 1919.2/71

In: 128.554+/-1.446 χ^2/NDF:1725.2/56

Out: 123.640+/-1.388 χ^2/NDF:2086.4/62

All: 125.998+/-1.001 χ^2/NDF: 3817.6/119



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: -251.448+/-0.127 χ^2/NDF: 168689.2/37

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

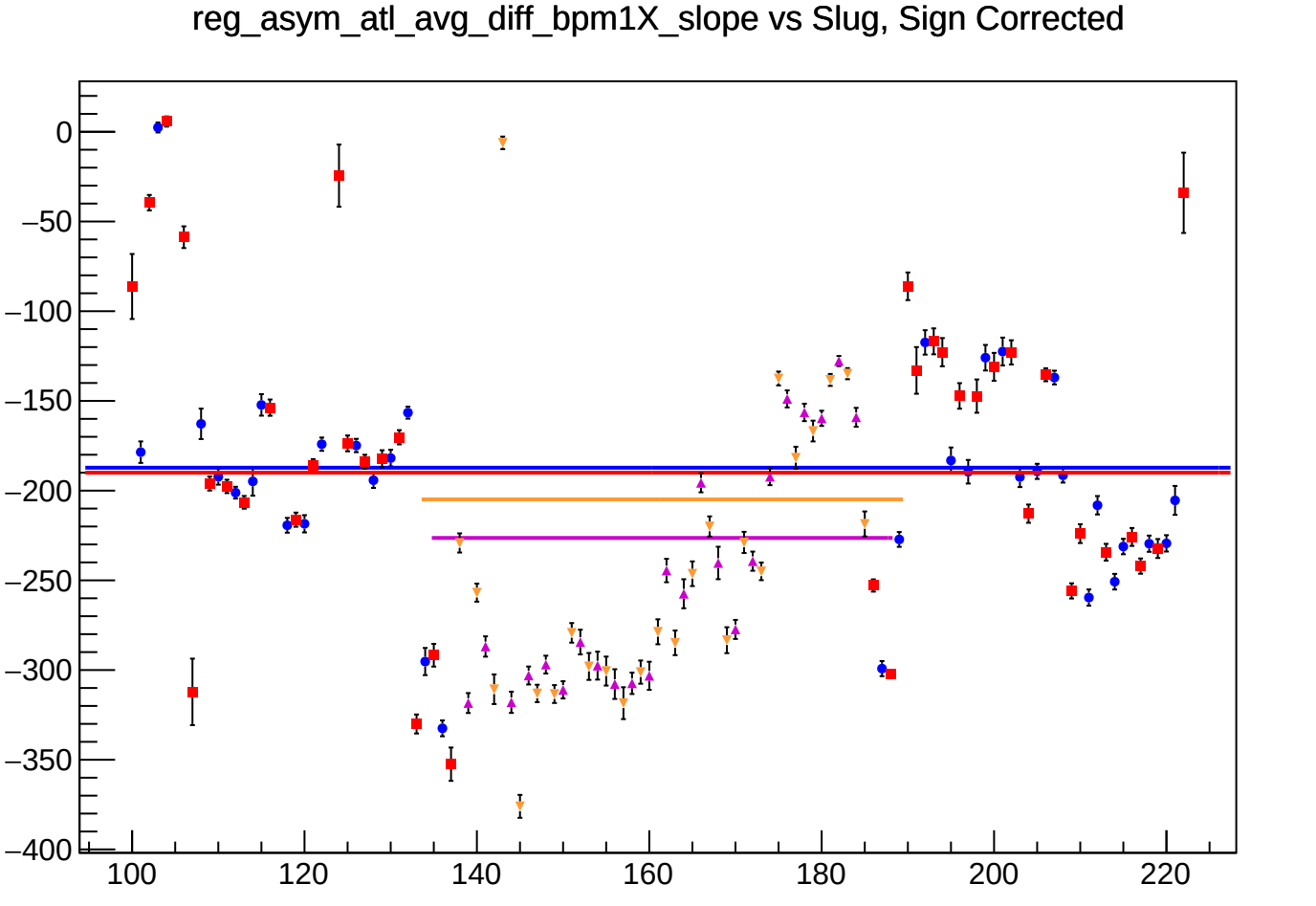
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

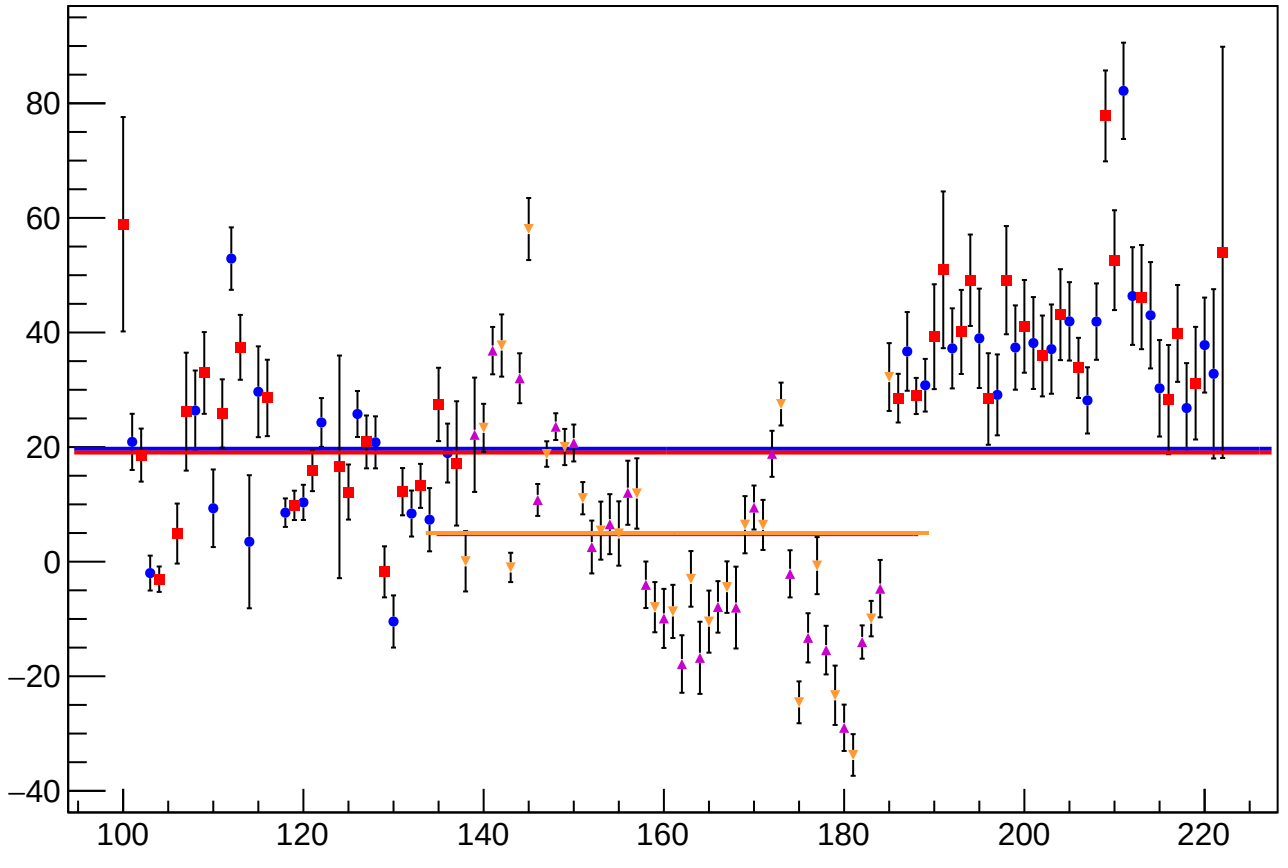
Right: -255.645+/-0.092 χ^2/NDF: 382431.1/71

In: -255.452+/-0.067 χ^2/NDF:237276.2/56

Out: -255.034+/-0.066 χ^2/NDF:209284.6/62

All: -255.239+/-0.047 χ^2/NDF: 446580.6/119


reg_asym_atl_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: -187.208+/-0.790 χ²/NDF: 8202.5/33
Left Out: -204.891+/-1.052 χ²/NDF:7826.3/24
Right Out: -189.987+/-0.764 χ²/NDF: 12356.8/37
Left In: -226.365+/-1.105 χ²/NDF:4219.0/22
Left: -215.101+/-0.762 χ²/NDF: 12243.4/47
Right: -188.645+/-0.549 χ²/NDF: 20565.7/71
In: -200.462+/-0.643 χ²/NDF:13252.3/56
Out: -195.130+/-0.618 χ²/NDF:20314.5/62
All: -197.691+/-0.446 χ²/NDF: 33602.6/119



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: 19.048+/-0.866 χ^2/NDF: 351.3/37

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

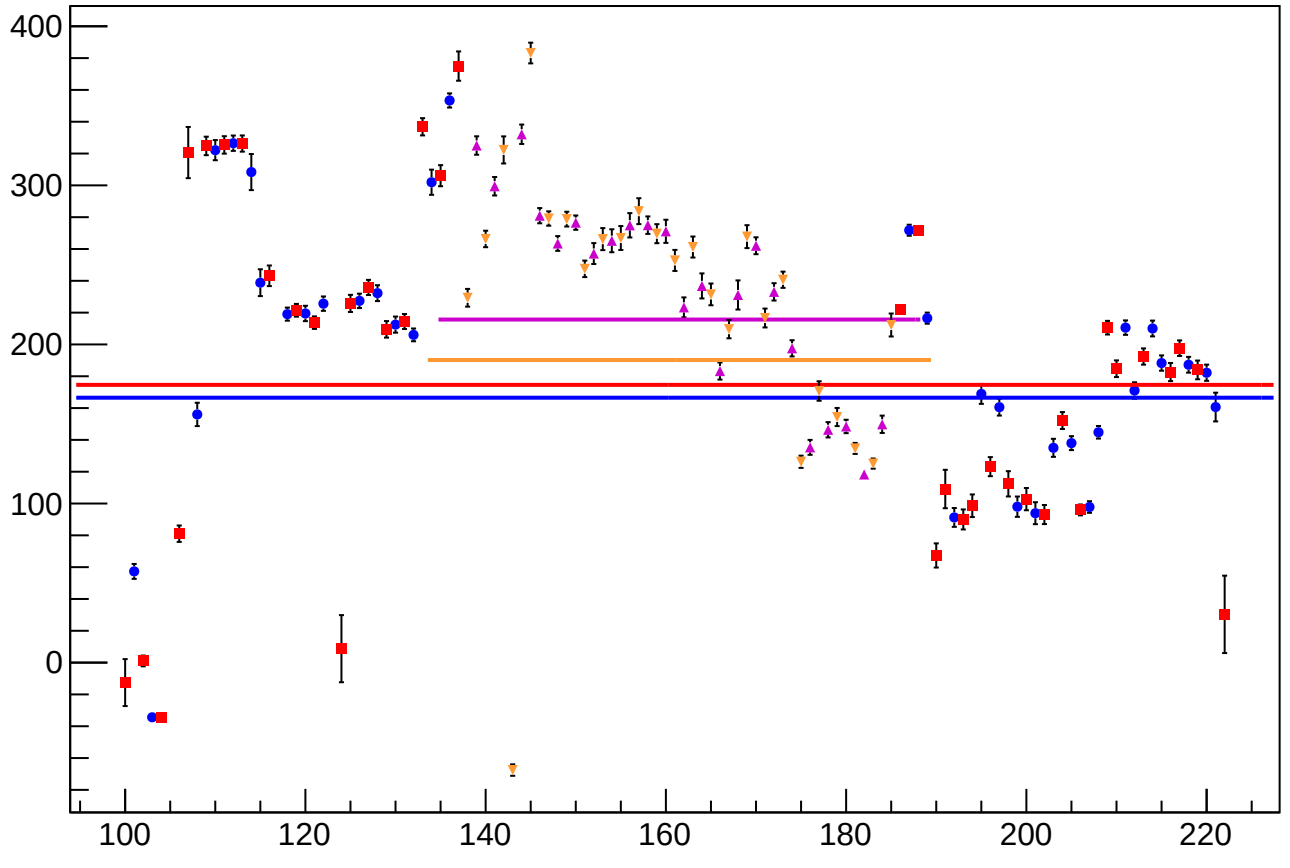
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.360+/-0.629 χ^2/NDF: 679.9/71

In: 11.686+/-0.621 χ^2/NDF:898.0/56

Out: 11.409+/-0.585 χ^2/NDF:1042.6/62

All: 11.539+/-0.426 χ^2/NDF: 1940.7/119



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: 174.589+/-0.753 χ^2/NDF: 21527.0/37

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

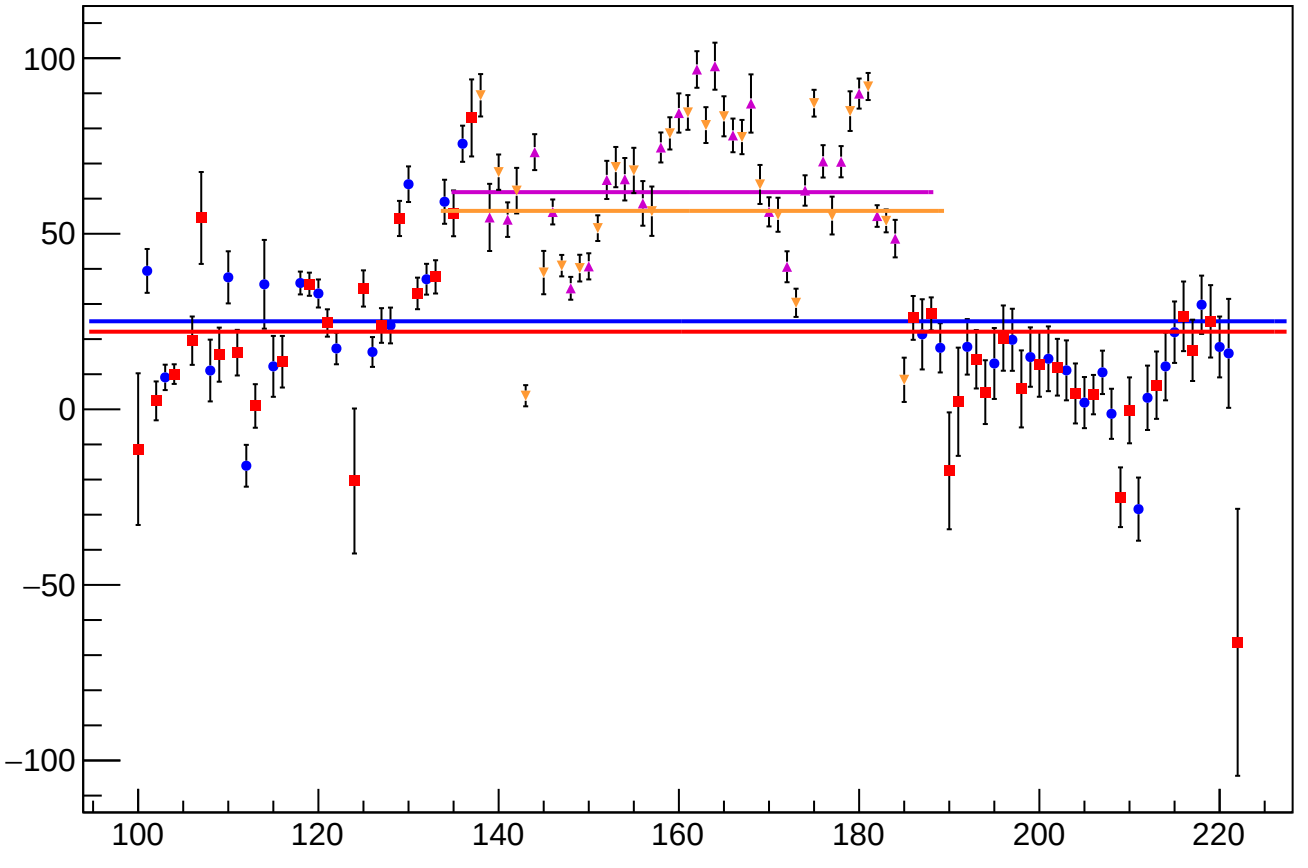
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.809+/-0.549 χ^2/NDF: 37752.3/71

In: 183.601+/-0.648 χ^2/NDF:21362.9/56

Out: 179.894+/-0.612 χ^2/NDF:31057.3/62

All: 181.642+/-0.445 χ^2/NDF: 52437.5/119



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: 22.110+/-1.028 χ^2/NDF: 275.2/37

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

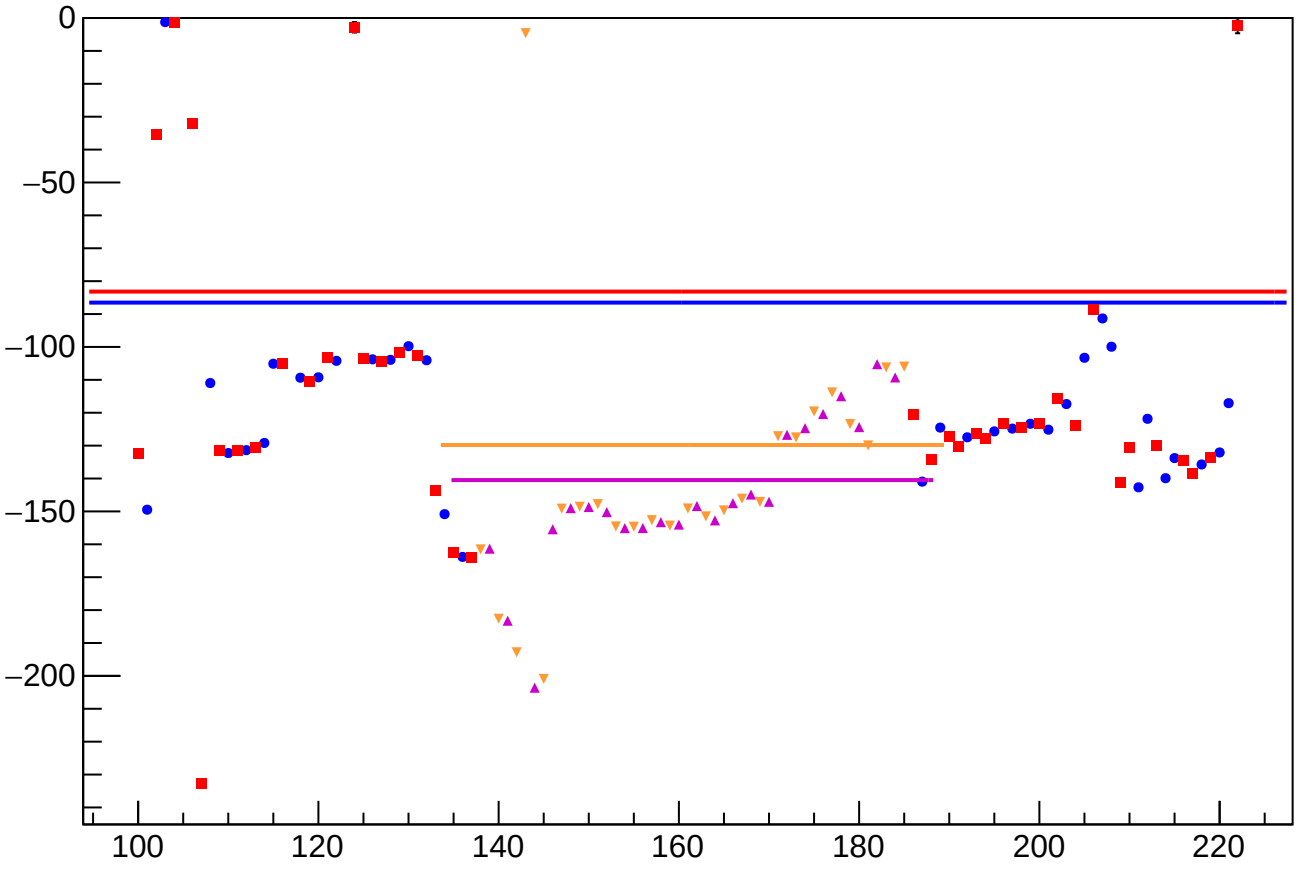
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.546+/-0.738 χ^2/NDF: 657.9/71

In: 45.266+/-0.712 χ^2/NDF:1359.2/56

Out: 41.416+/-0.681 χ^2/NDF:1702.7/62

All: 43.254+/-0.492 χ^2/NDF: 3077.2/119



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: -83.172+/-0.048 χ^2/NDF: 1331230.6/37

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

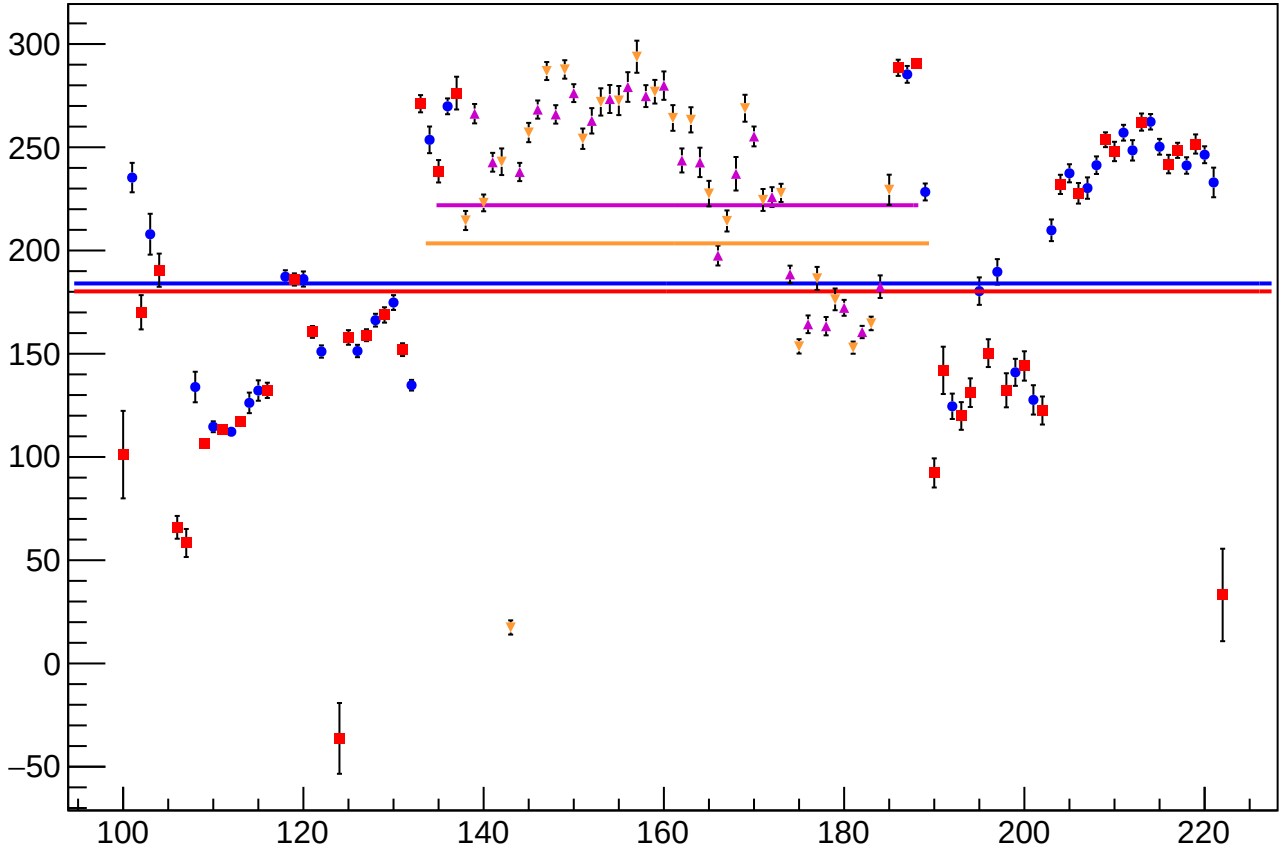
Right: -84.804+/-0.035 χ^2/NDF: 2704252.5/71

In: -116.842+/-0.033 χ^2/NDF:2294153.4/56

Out: -109.633+/-0.032 χ^2/NDF:2885693.4/62

All: -113.128+/-0.023 χ^2/NDF: 5204833.5/11

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 180.206+/-0.655 χ^2/NDF: 10586.6/37

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

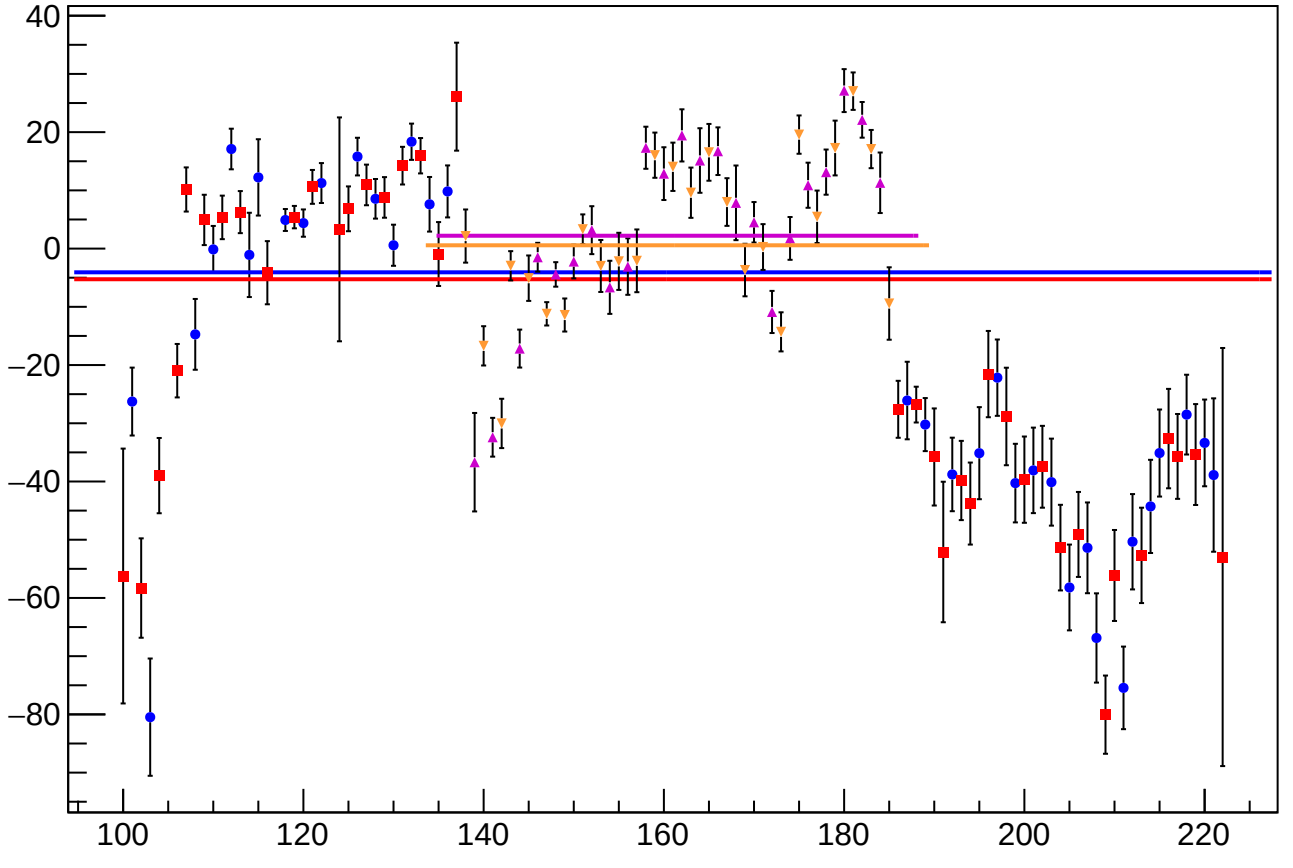
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 182.039+/-0.473 χ^2/NDF: 17189.8/71

In: 196.084+/-0.565 χ^2/NDF:9546.7/56

Out: 187.667+/-0.540 χ^2/NDF:16482.2/62

All: 191.681+/-0.390 χ^2/NDF: 26144.8/119



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: -5.263+/-0.771 χ^2/NDF: 855.1/37

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

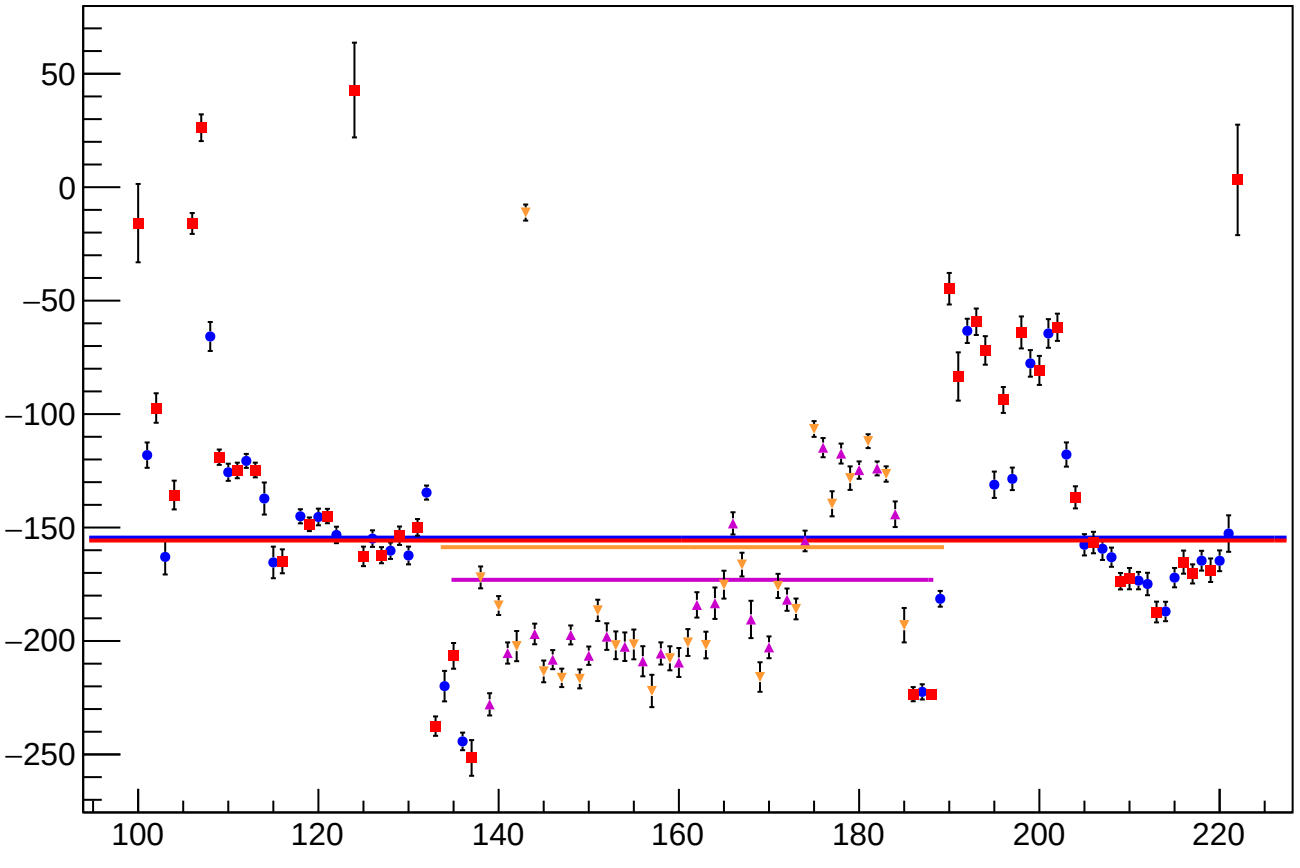
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.679+/-0.550 χ^2/NDF: 1691.9/71

In: -0.829+/-0.546 χ^2/NDF:1226.8/56

Out: -2.131+/-0.524 χ^2/NDF:1231.3/62

All: -1.506+/-0.378 χ^2/NDF: 2461.0/119



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: -155.715+/-0.705 χ^2/NDF: 6579.0/37

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

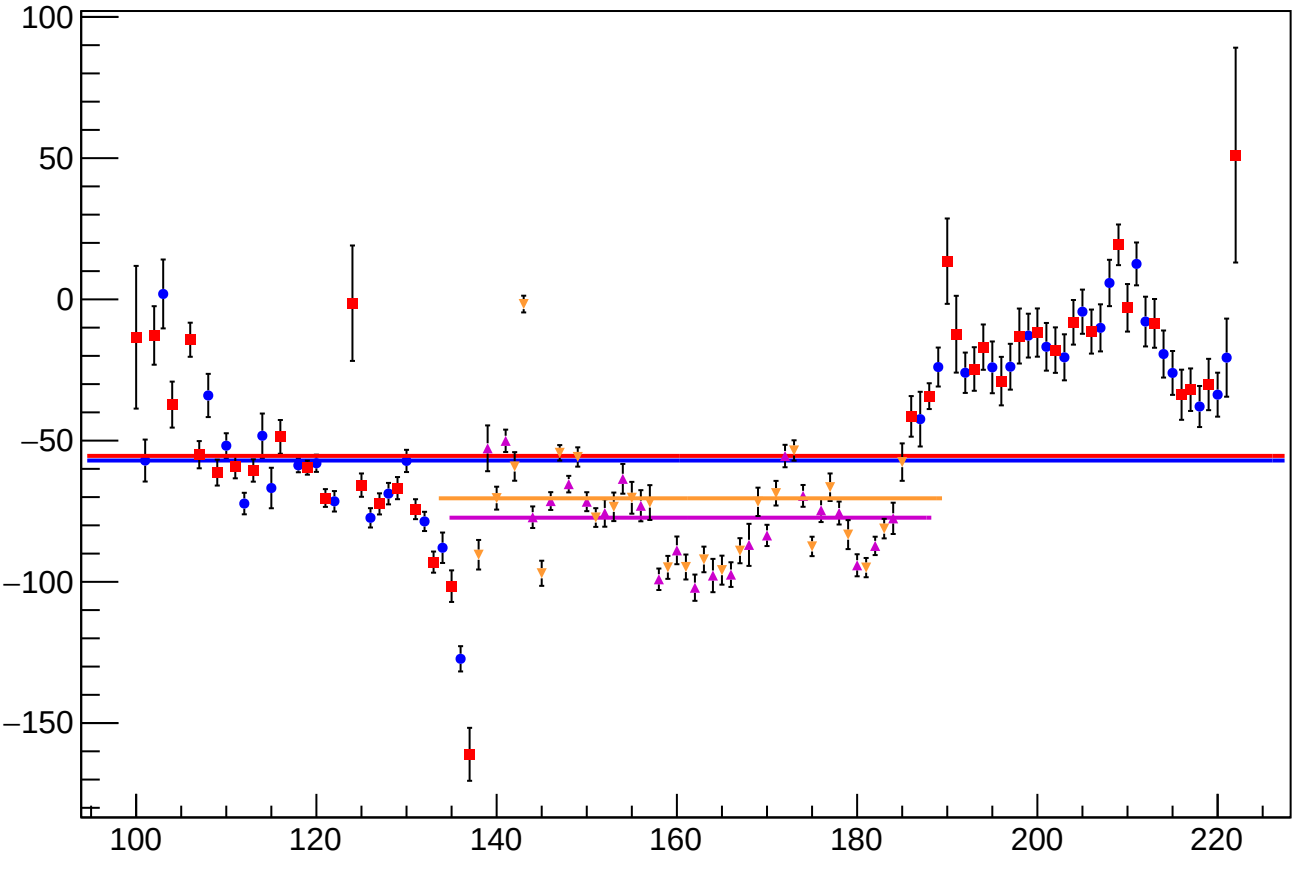
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -155.118+/-0.512 χ^2/NDF: 9059.5/71

In: -161.142+/-0.597 χ^2/NDF:4102.2/56

Out: -156.758+/-0.566 χ^2/NDF:10077.0/62

All: -158.832+/-0.411 χ^2/NDF: 14207.5/119



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: -55.407+/-0.898 χ^2/NDF: 915.5/37

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

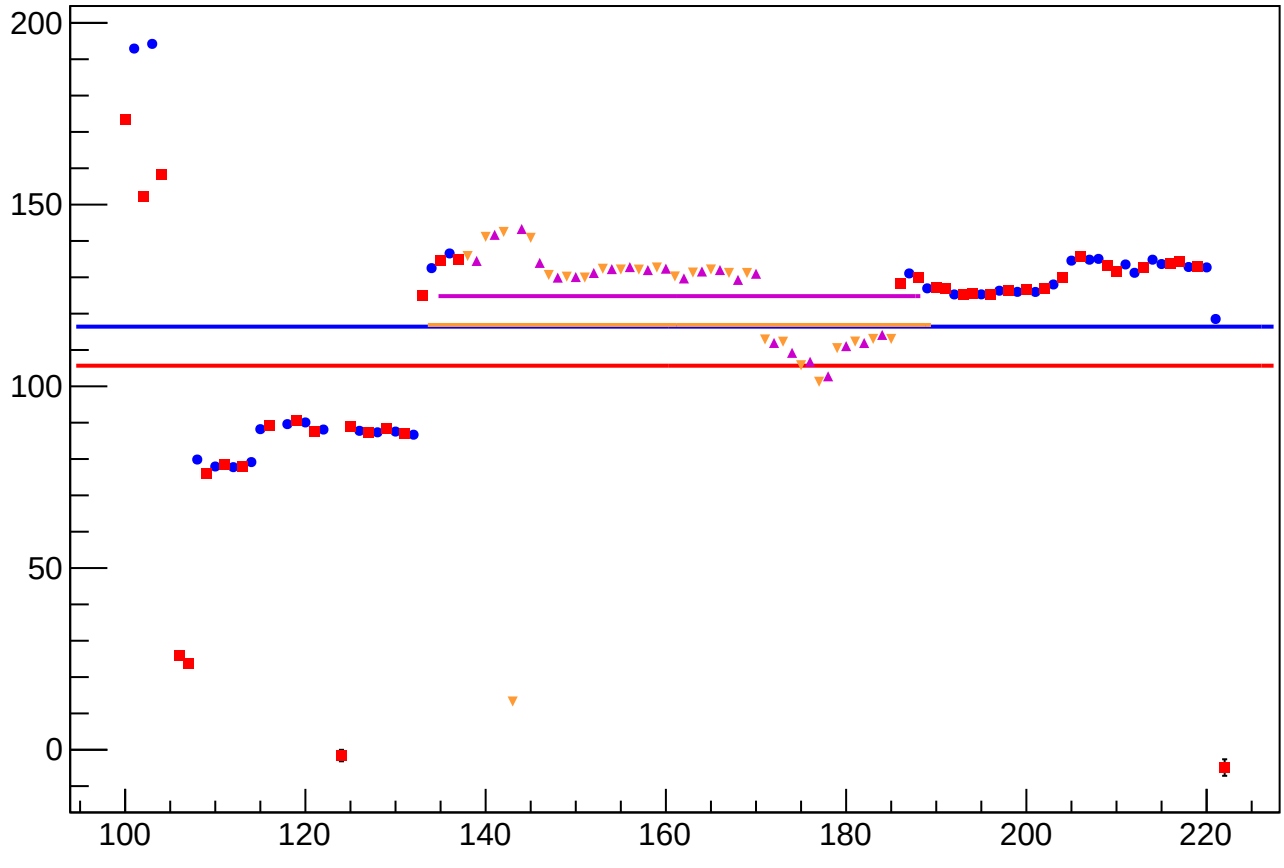
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.216+/-0.639 χ^2/NDF: 1810.3/71

In: -67.668+/-0.627 χ^2/NDF:1407.2/56

Out: -63.589+/-0.606 χ^2/NDF:1969.4/62

All: -65.559+/-0.436 χ^2/NDF: 3398.5/119



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: 105.679+/-0.049 χ^2/NDF: 550007.6/37

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

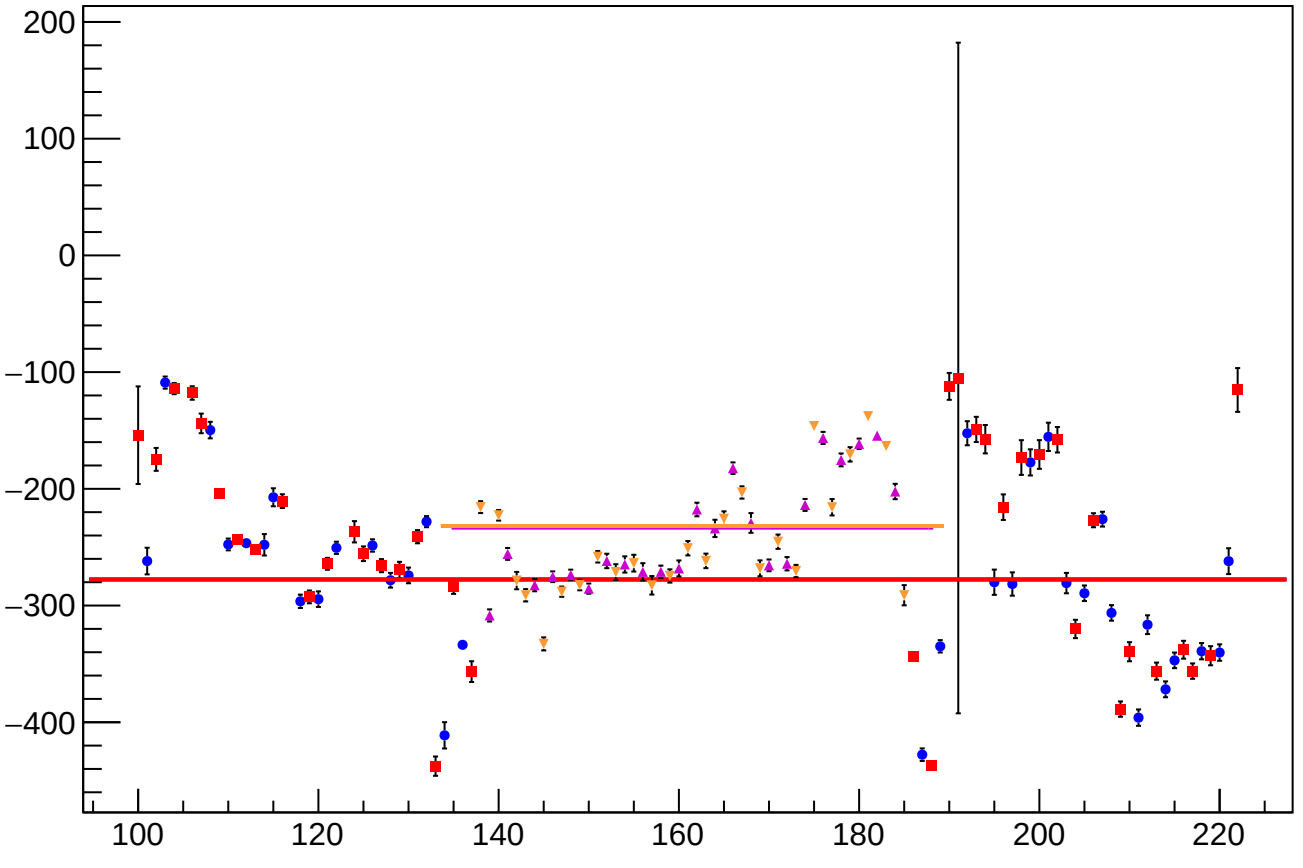
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.743+/-0.036 χ^2/NDF: 864947.9/71

In: 121.756+/-0.031 χ^2/NDF:397020.1/56

Out: 112.660+/-0.030 χ^2/NDF:1205692.2/62

All: 117.021+/-0.022 χ^2/NDF: 1646551.5/119



Right In: -277.749+/-1.113 χ^2/NDF: 4151.8/33

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -277.522+/-1.025 χ^2/NDF: 8392.7/37

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

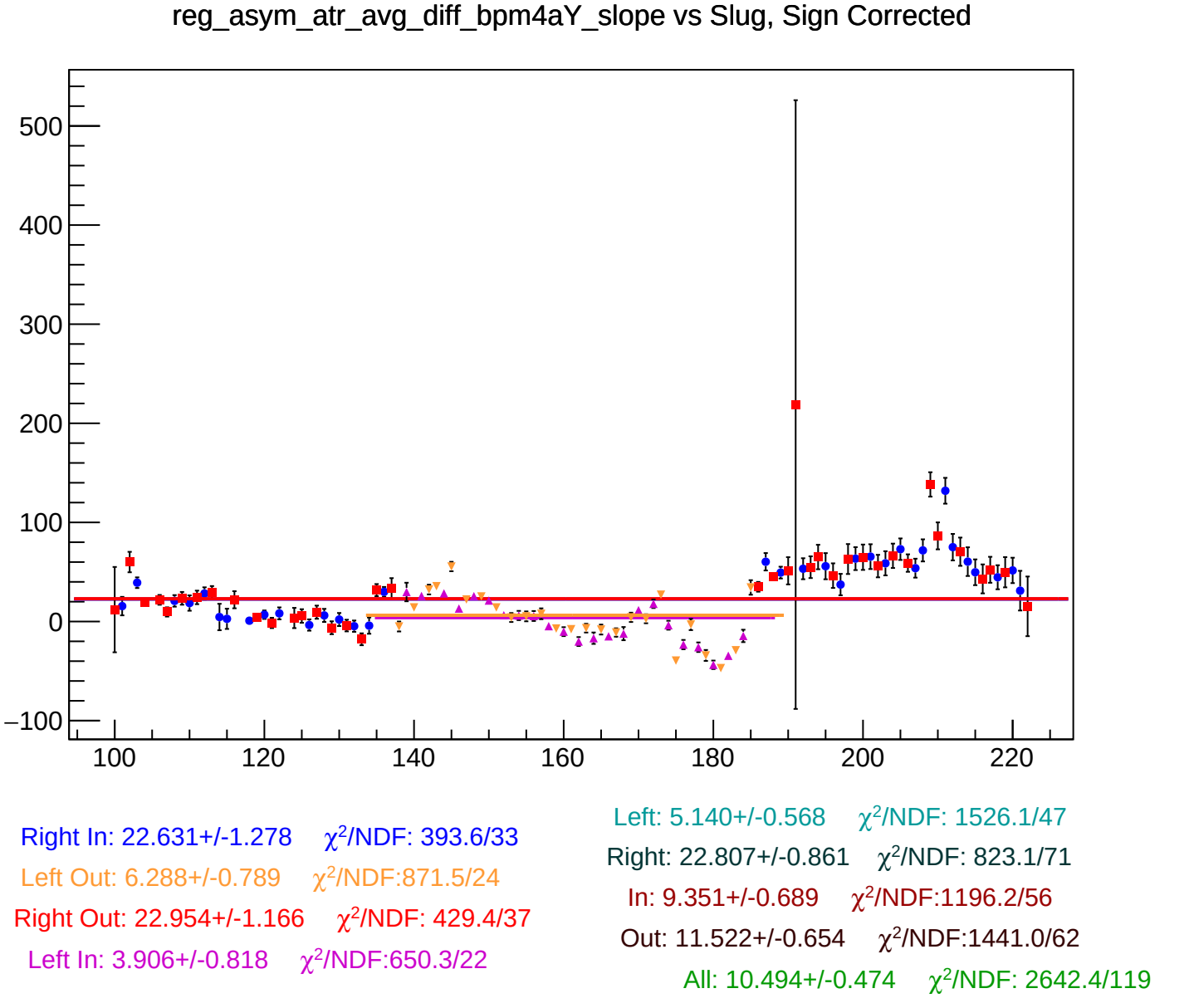
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

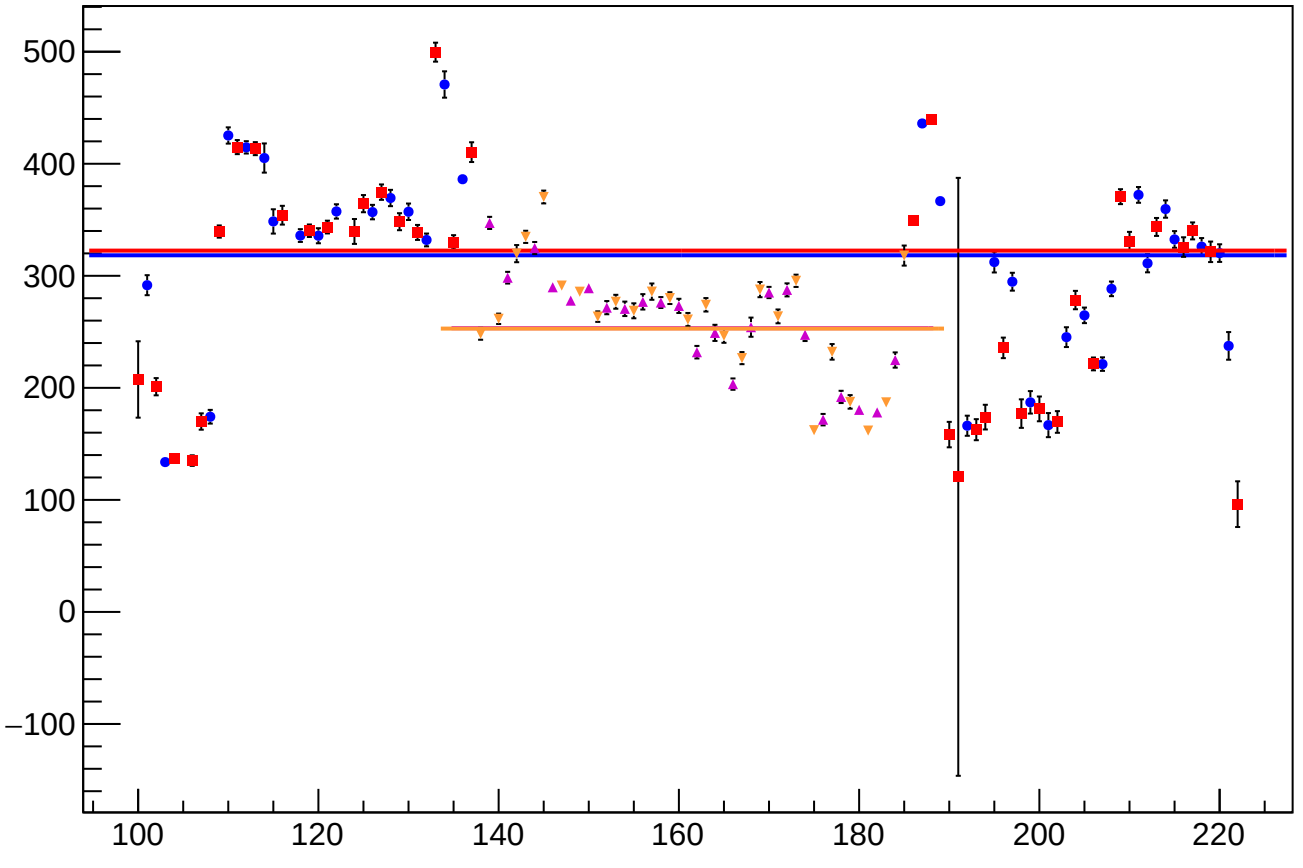
Right: -277.626+/-0.754 χ^2/NDF: 12544.5/71

In: -255.392+/-0.785 χ^2/NDF:7021.5/56

Out: -255.888+/-0.743 χ^2/NDF:12010.4/62

All: -255.654+/-0.540 χ^2/NDF: 19032.1/119


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: 22.954+/-1.166 χ²/NDF: 429.4/37
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 22.807+/-0.861 χ²/NDF: 823.1/71
In: 9.351+/-0.689 χ²/NDF:1196.2/56
Out: 11.522+/-0.654 χ²/NDF:1441.0/62
All: 10.494+/-0.474 χ²/NDF: 2642.4/119



Right In: 318.299+/-1.154 χ^2/NDF: 5821.8/33

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.491+/-1.028 χ^2/NDF: 10282.2/37

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

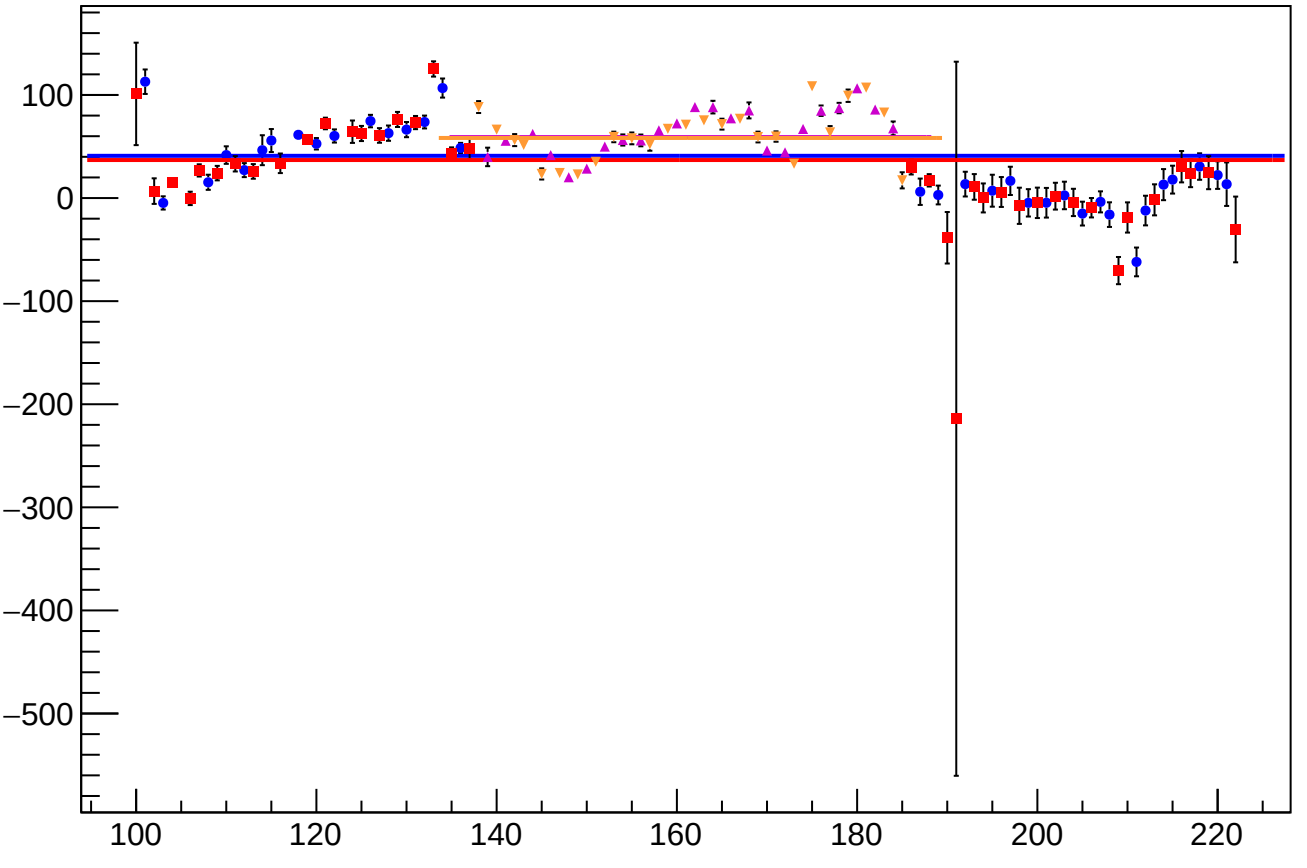
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.634+/-0.768 χ^2/NDF: 16111.3/71

In: 284.033+/-0.794 χ^2/NDF:9556.6/56

Out: 289.079+/-0.742 χ^2/NDF:15059.7/62

All: 286.727+/-0.542 χ^2/NDF: 24637.8/119



Right In: 40.975+/-1.482 χ^2/NDF: 483.8/33

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 36.880+/-1.389 χ^2/NDF: 548.9/37

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

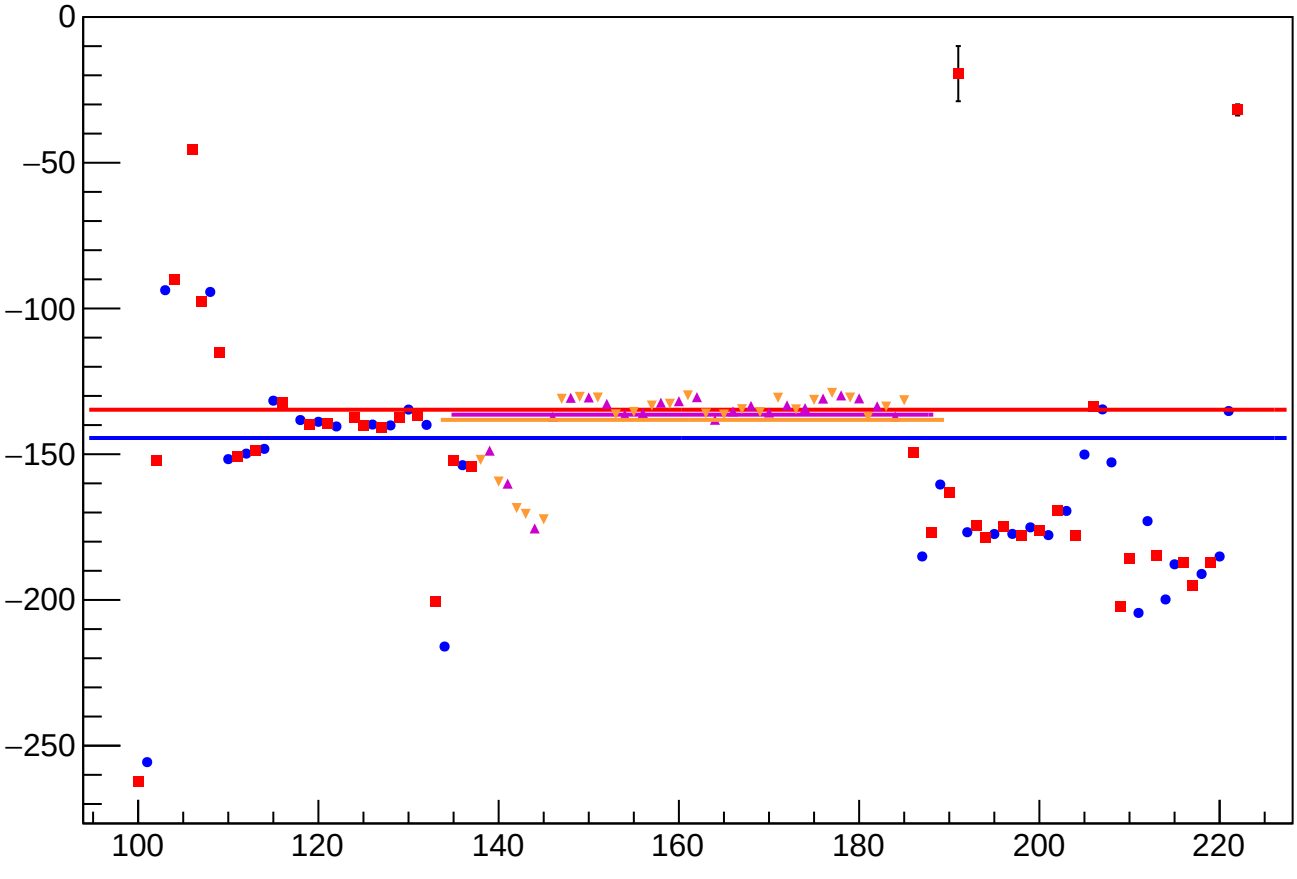
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 38.794+/-1.013 χ^2/NDF: 1036.7/71

In: 53.952+/-0.793 χ^2/NDF:1223.5/56

Out: 51.854+/-0.762 χ^2/NDF:1565.5/62

All: 52.861+/-0.549 χ^2/NDF: 2792.7/119



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: -134.735+/-0.070 χ^2/NDF: 371951.6/37

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

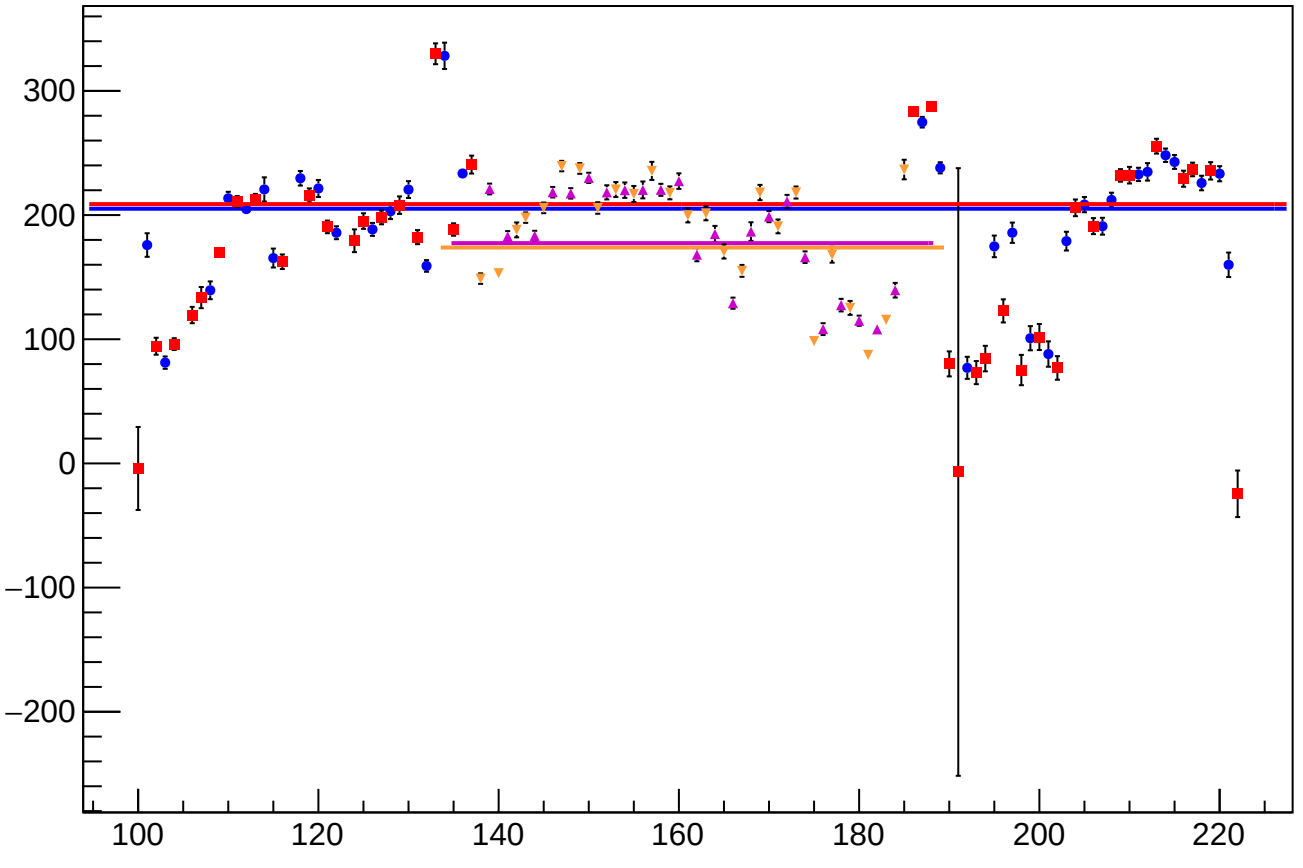
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.353+/-0.050 χ^2/NDF: 643403.4/71

In: -138.484+/-0.037 χ^2/NDF:320935.0/56

Out: -137.270+/-0.036 χ^2/NDF:455606.4/62

All: -137.866+/-0.026 χ^2/NDF: 777090.6/119



Right In: 205.119+/-1.025 χ^2/NDF: 2110.8/33

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.841+/-0.945 χ^2/NDF: 4513.9/37

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

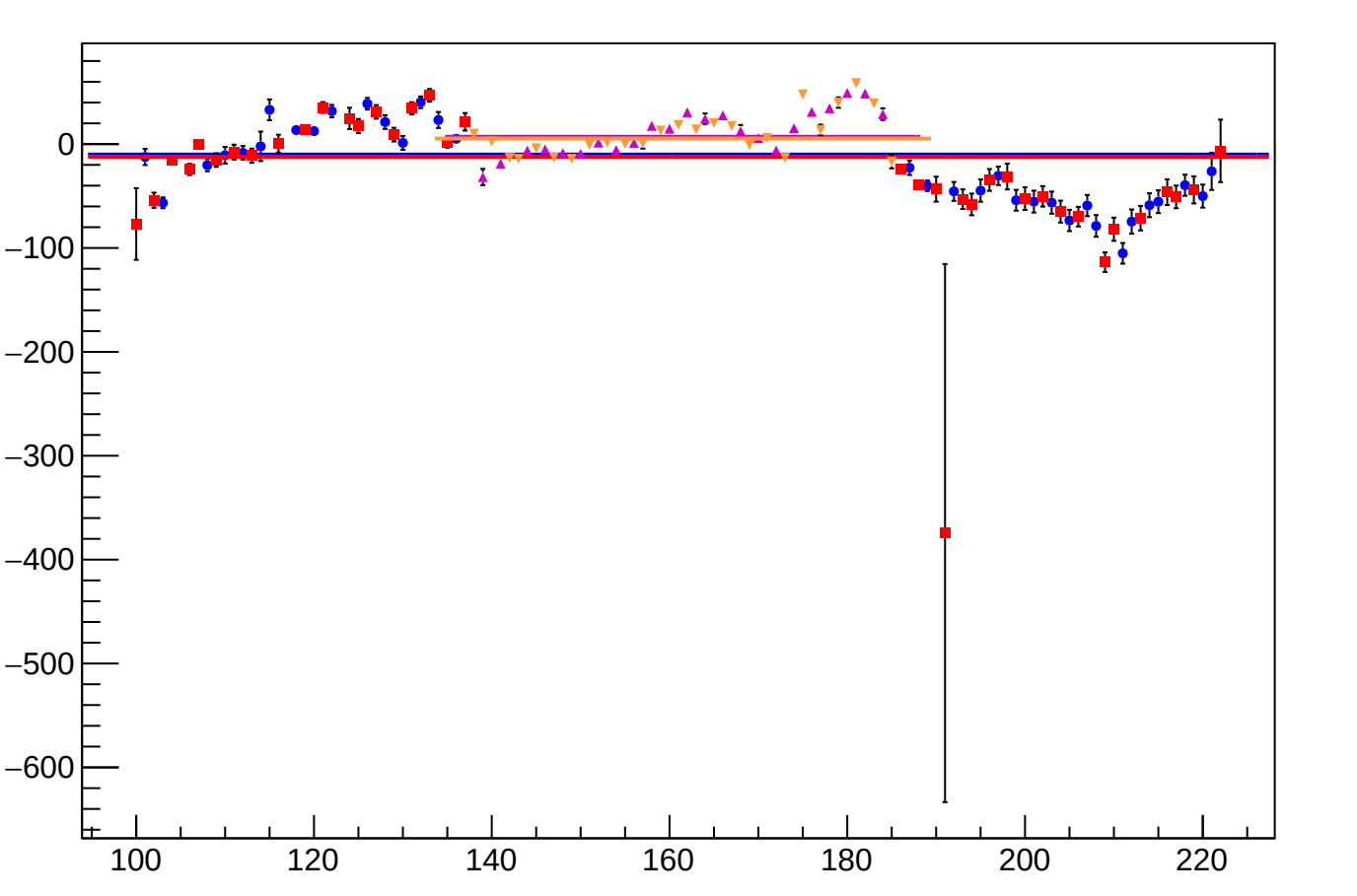
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

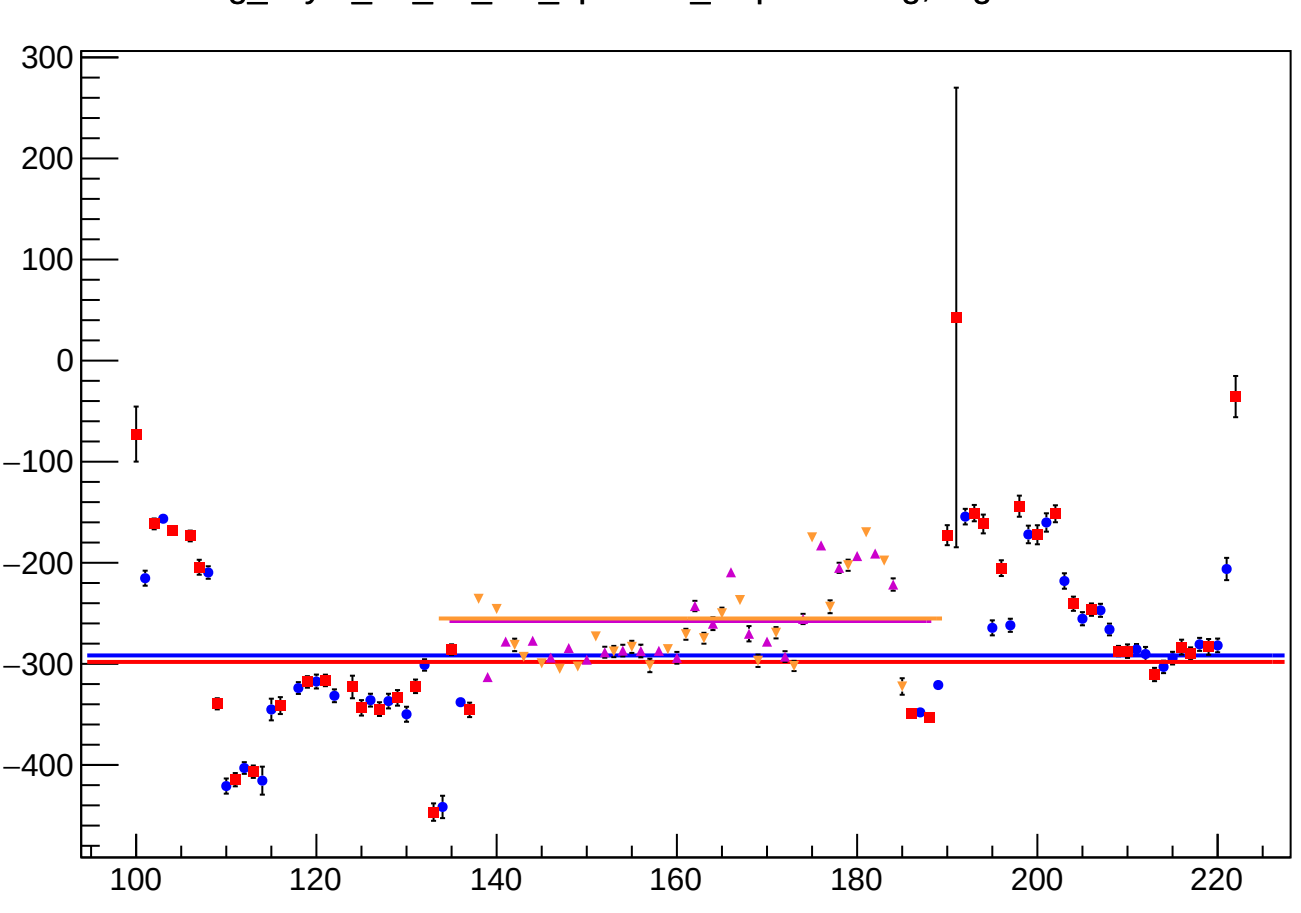
Right: 207.130+/-0.695 χ^2/NDF: 6631.8/71

In: 190.859+/-0.714 χ^2/NDF:4450.1/56

Out: 191.661+/-0.674 χ^2/NDF:7814.1/62

All: 191.283+/-0.490 χ^2/NDF: 12264.8/119


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−100
−200
−300
−400
−500
−600
100
120
140
160
180
200
220
Right In: -10.065+/-1.209 χ²/NDF: 844.1/33
Left Out: 5.363+/-0.710 χ²/NDF:810.0/24
Right Out: -12.156+/-1.104 χ²/NDF: 877.9/37
Left In: 7.061+/-0.741 χ²/NDF:709.7/22
Left: 6.176+/-0.513 χ²/NDF: 1522.4/47
Right: -11.206+/-0.815 χ²/NDF: 1723.6/71
In: 2.382+/-0.632 χ²/NDF:1699.5/56
Out: 0.230+/-0.597 χ²/NDF:1866.1/62
All: 1.245+/-0.434 χ²/NDF: 3571.7/119



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: -298.085+/-0.927 χ^2/NDF: 6891.1/37

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

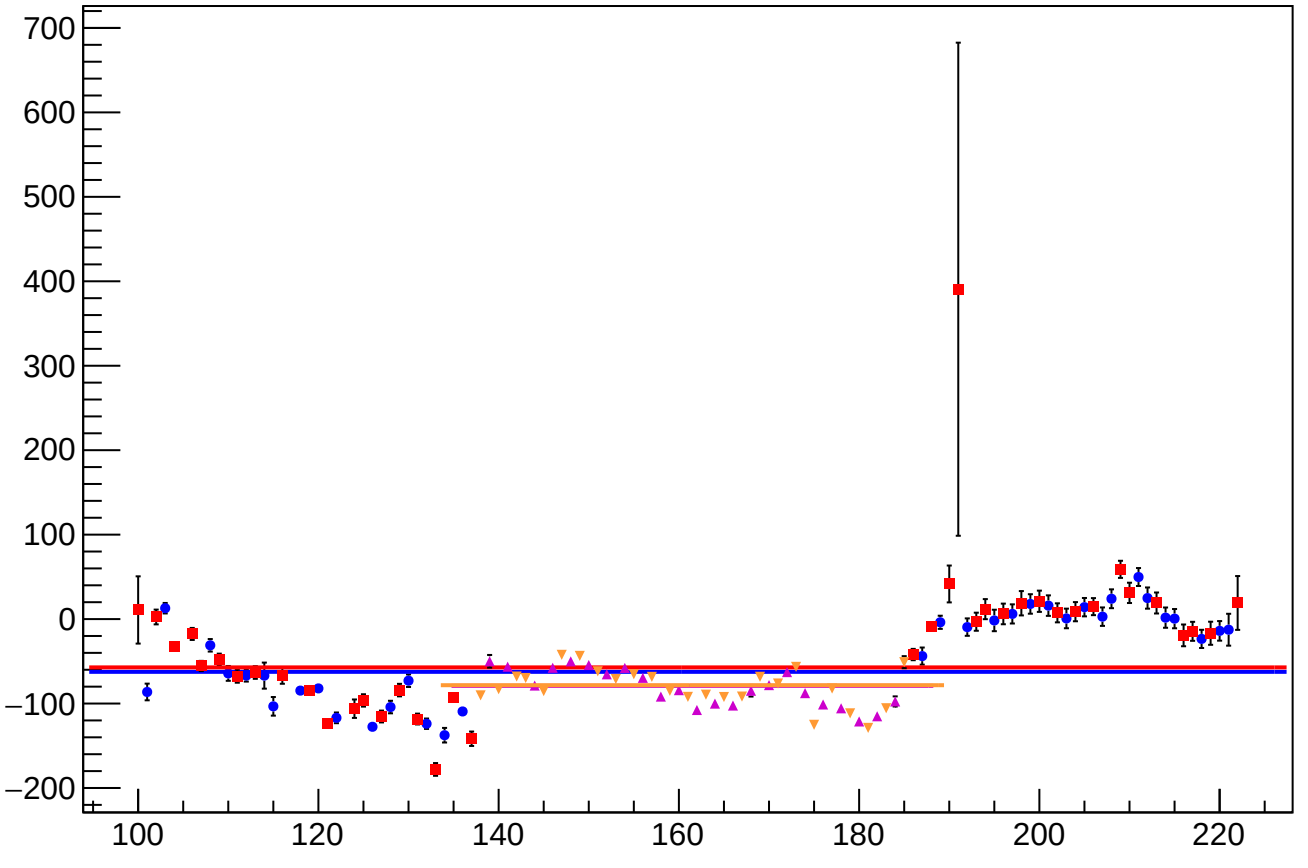
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -295.256+/-0.693 χ^2/NDF: 11085.1/71

In: -273.654+/-0.716 χ^2/NDF:6544.9/56

Out: -277.276+/-0.666 χ^2/NDF:10276.7/62

All: -275.597+/-0.488 χ^2/NDF: 16835.3/119



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: -57.197+/-1.317 χ^2/NDF: 1567.1/37

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

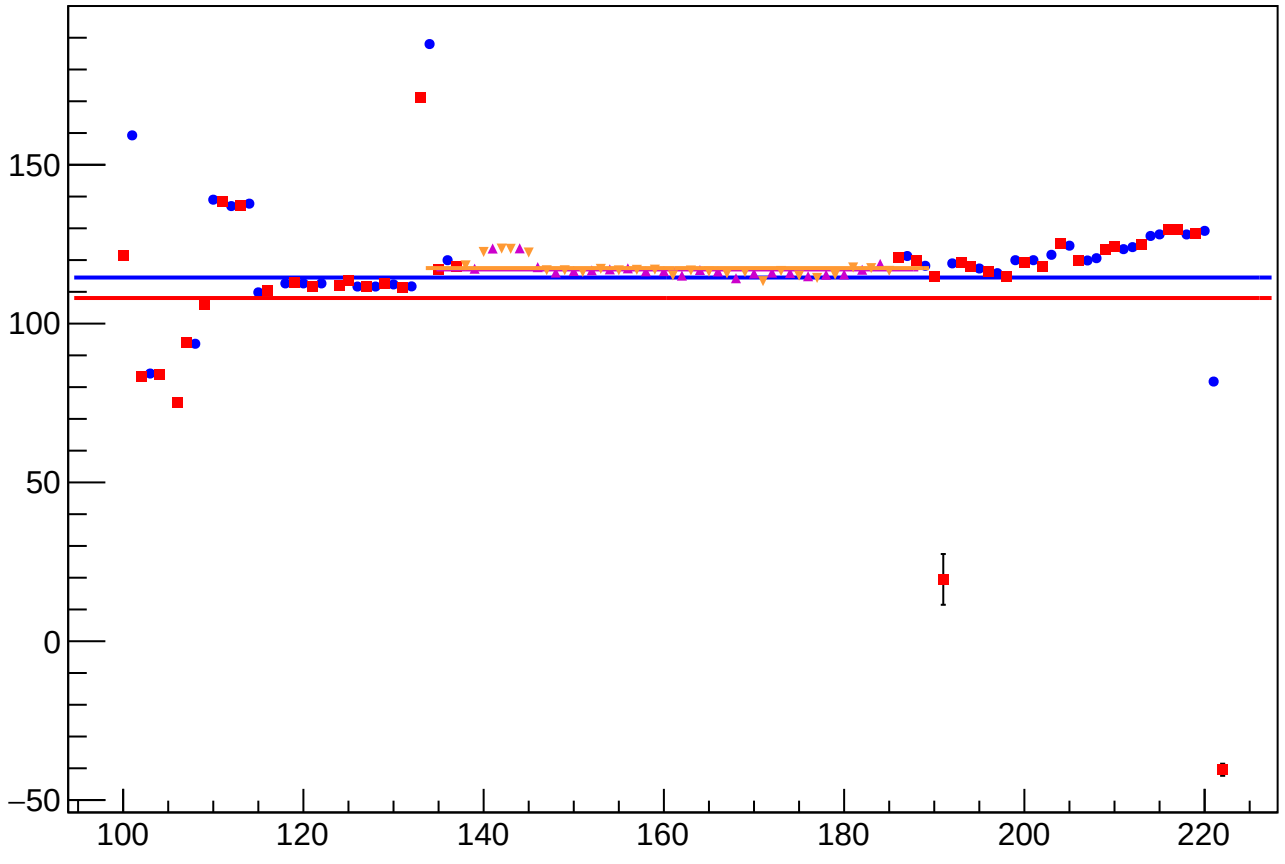
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -59.667+/-0.960 χ^2/NDF: 2995.1/71

In: -74.604+/-0.726 χ^2/NDF:2226.0/56

Out: -72.415+/-0.695 χ^2/NDF:2620.2/62

All: -73.462+/-0.502 χ^2/NDF: 4851.0/119



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: 108.055+/-0.064 χ^2/NDF: 90528.3/37

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

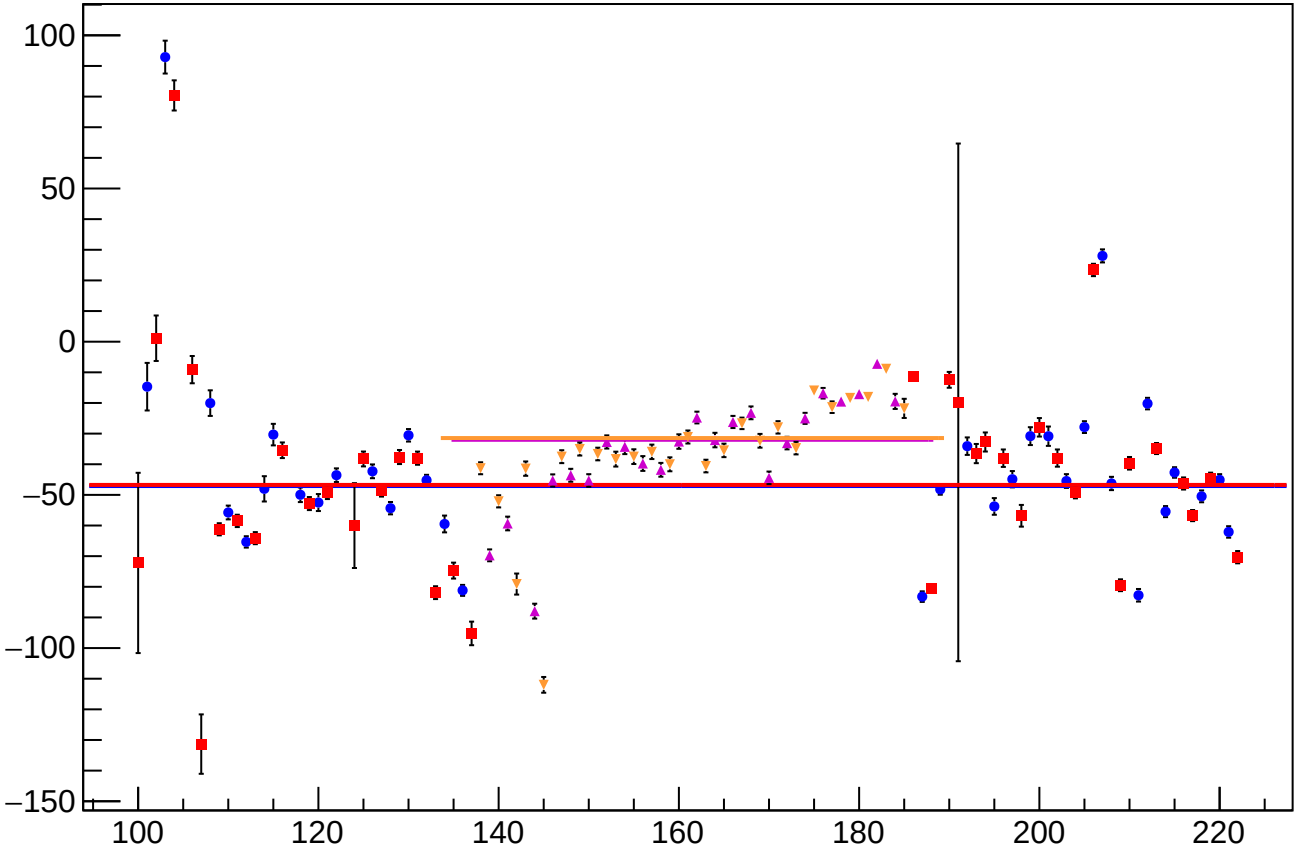
Right: 111.118+/-0.046 χ^2/NDF: 186205.1/71

In: 116.413+/-0.033 χ^2/NDF:95218.8/56

Out: 115.000+/-0.033 χ^2/NDF:111422.3/62

All: 115.689+/-0.023 χ^2/NDF: 207555.0/119

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -46.750+/-0.359 χ^2/NDF: 5922.5/37

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

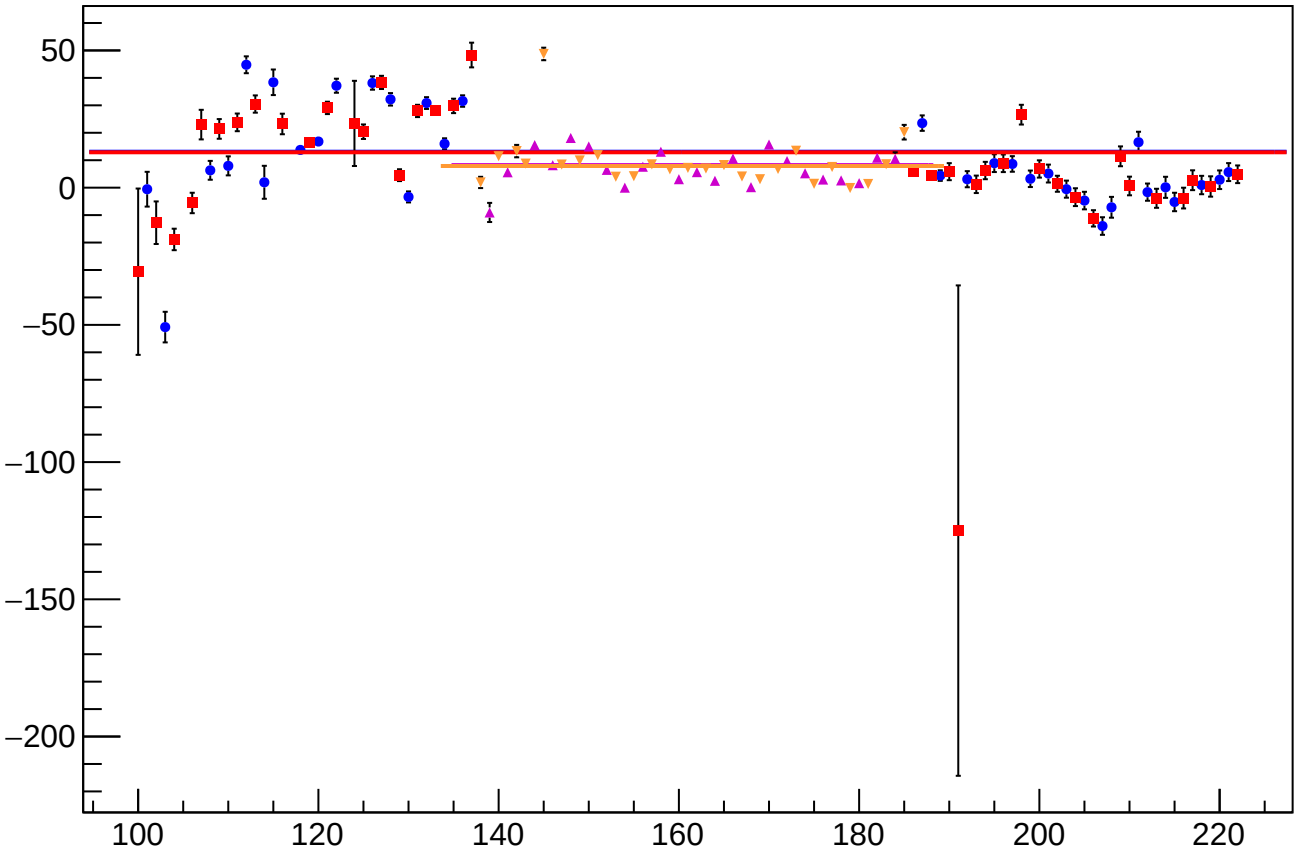
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.921+/-0.261 χ^2/NDF: 9737.3/71

In: -40.093+/-0.279 χ^2/NDF:6456.5/56

Out: -39.912+/-0.267 χ^2/NDF:8728.1/62

All: -39.998+/-0.193 χ^2/NDF: 15184.8/119



Right In: 13.099+/-0.468 χ^2/NDF: 1074.3/33

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 12.892+/-0.440 χ^2/NDF: 902.7/37

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

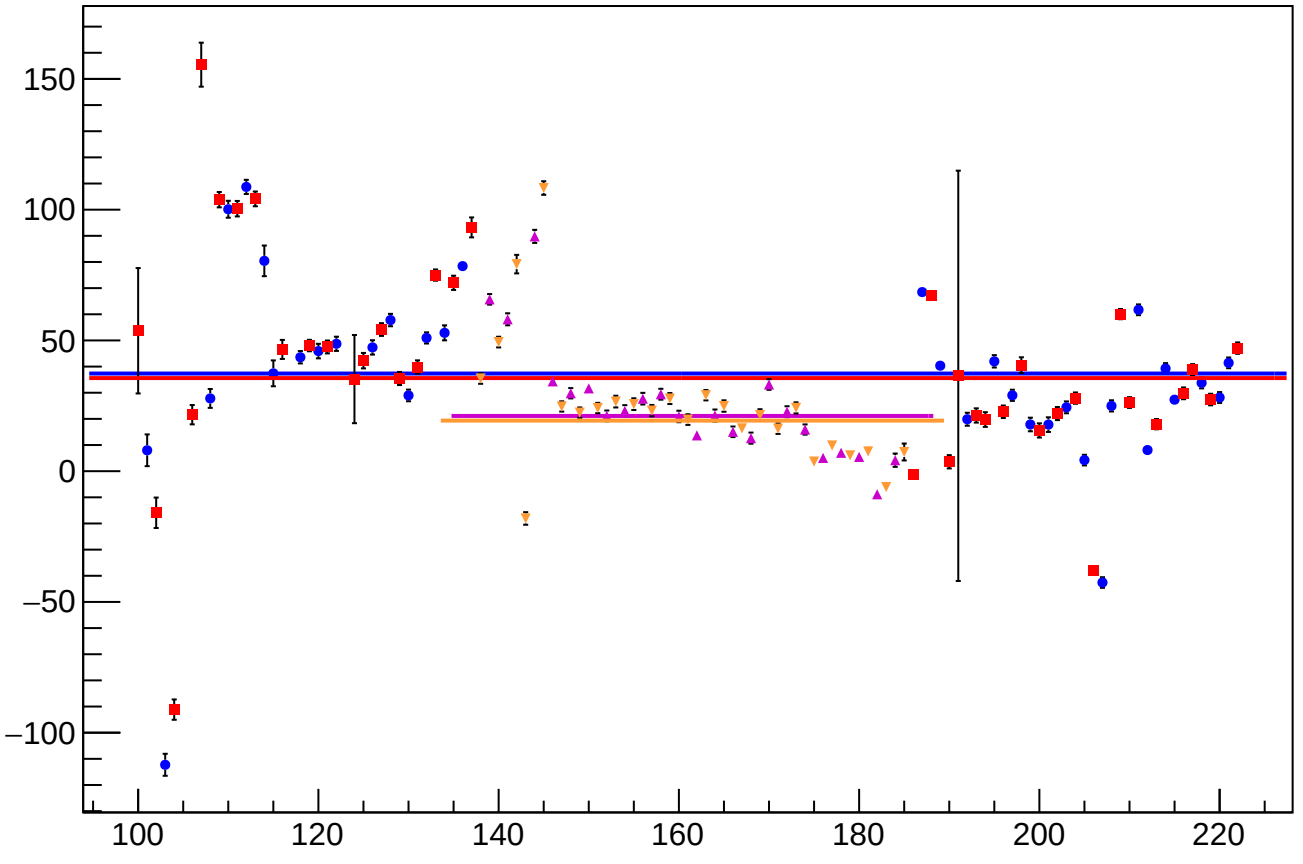
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 12.989+/-0.320 χ^2/NDF: 1977.0/71

In: 9.748+/-0.262 χ^2/NDF:1487.8/56

Out: 9.511+/-0.250 χ^2/NDF:1480.5/62

All: 9.624+/-0.181 χ^2/NDF: 2968.7/119



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: 35.604+/-0.353 χ^2/NDF: 9416.8/37

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

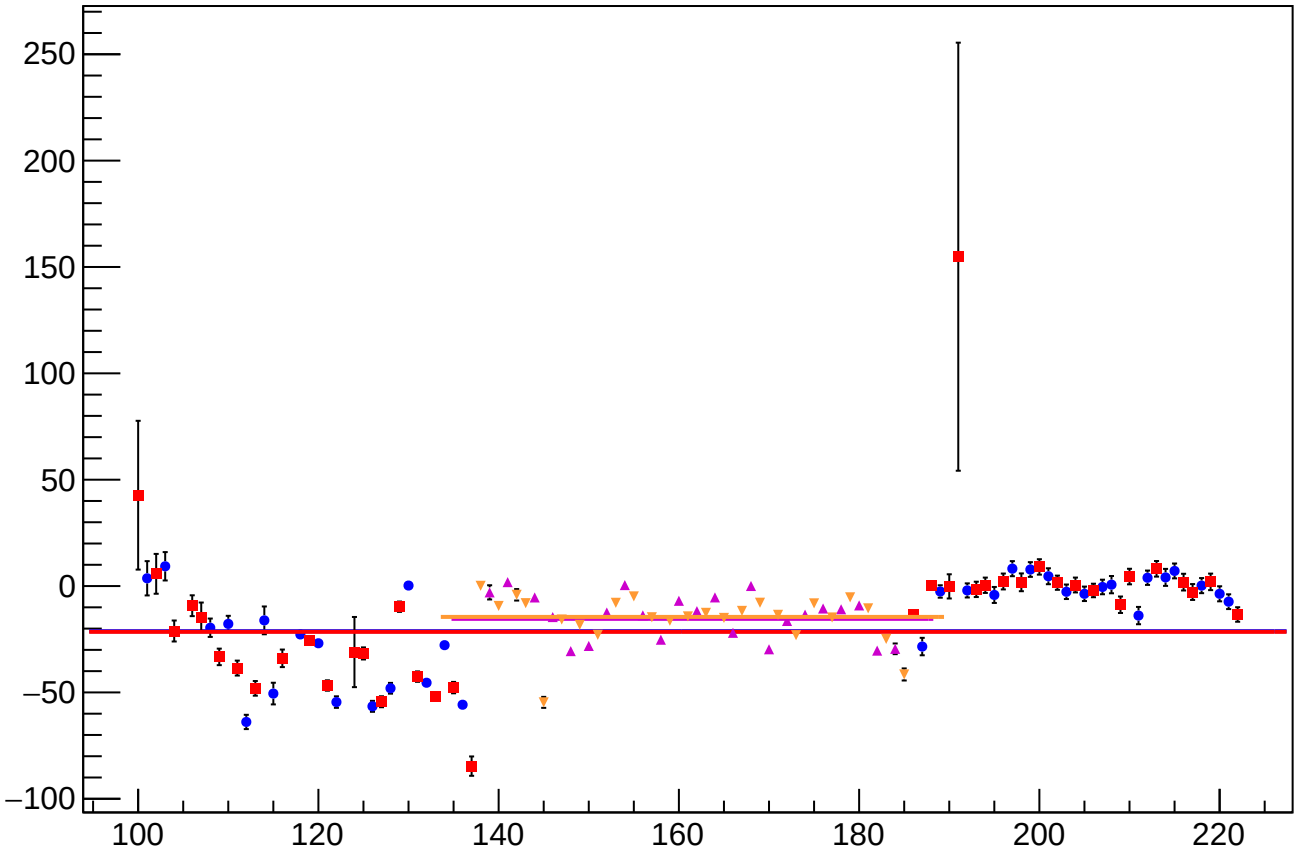
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.376+/-0.263 χ^2/NDF: 15541.1/71

In: 29.462+/-0.282 χ^2/NDF:9443.4/56

Out: 28.400+/-0.263 χ^2/NDF:13041.0/62

All: 28.894+/-0.192 χ^2/NDF: 22492.0/119



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: -21.518+/-0.524 χ^2/NDF: 1767.3/37

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

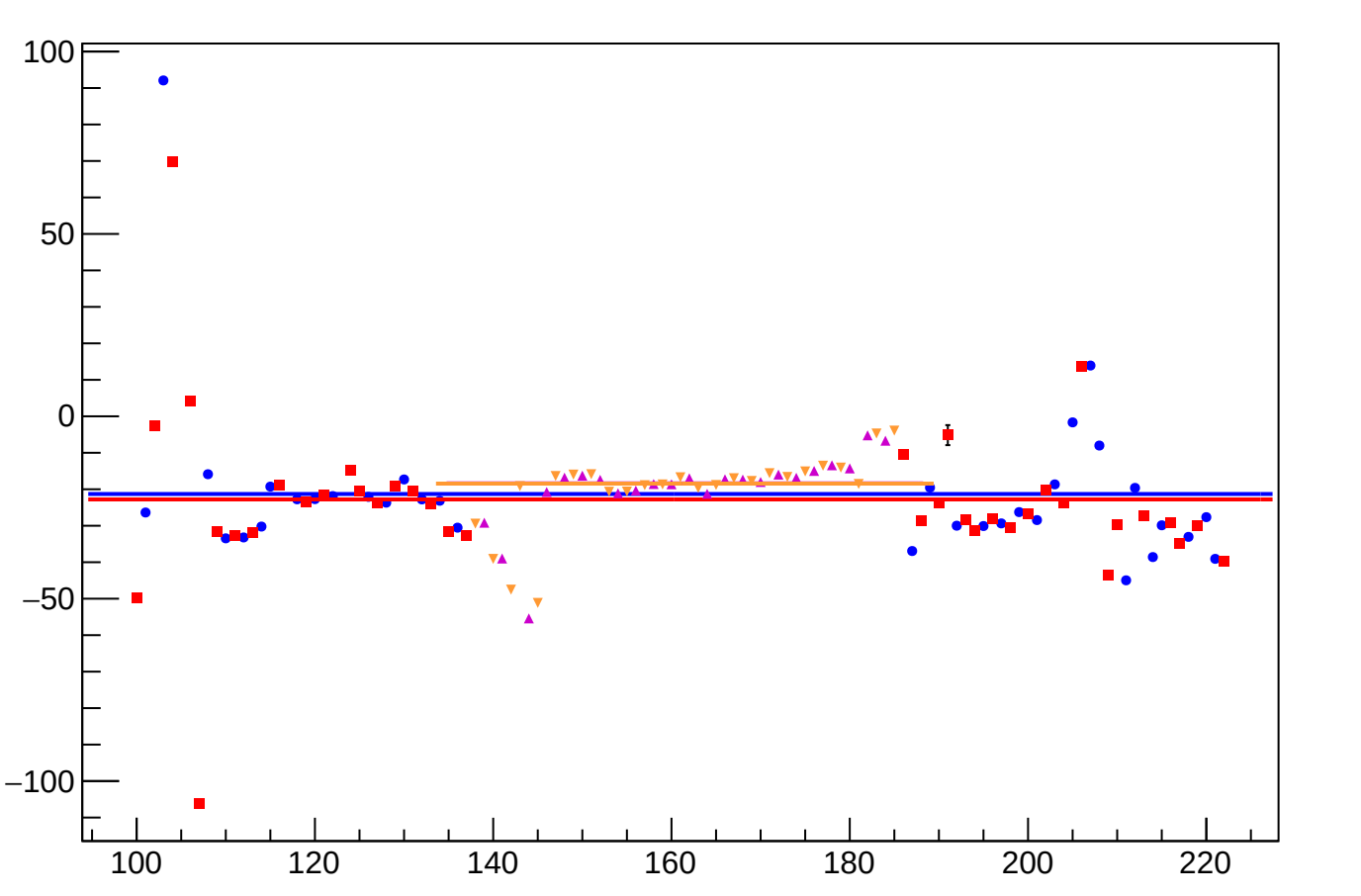
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -21.371+/-0.375 χ^2/NDF: 3582.4/71

In: -17.183+/-0.296 χ^2/NDF:2694.8/56

Out: -16.615+/-0.288 χ^2/NDF:2533.6/62

All: -16.890+/-0.206 χ^2/NDF: 5230.3/119



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: -22.789+/-0.026 χ^2/NDF: 496160.3/37

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

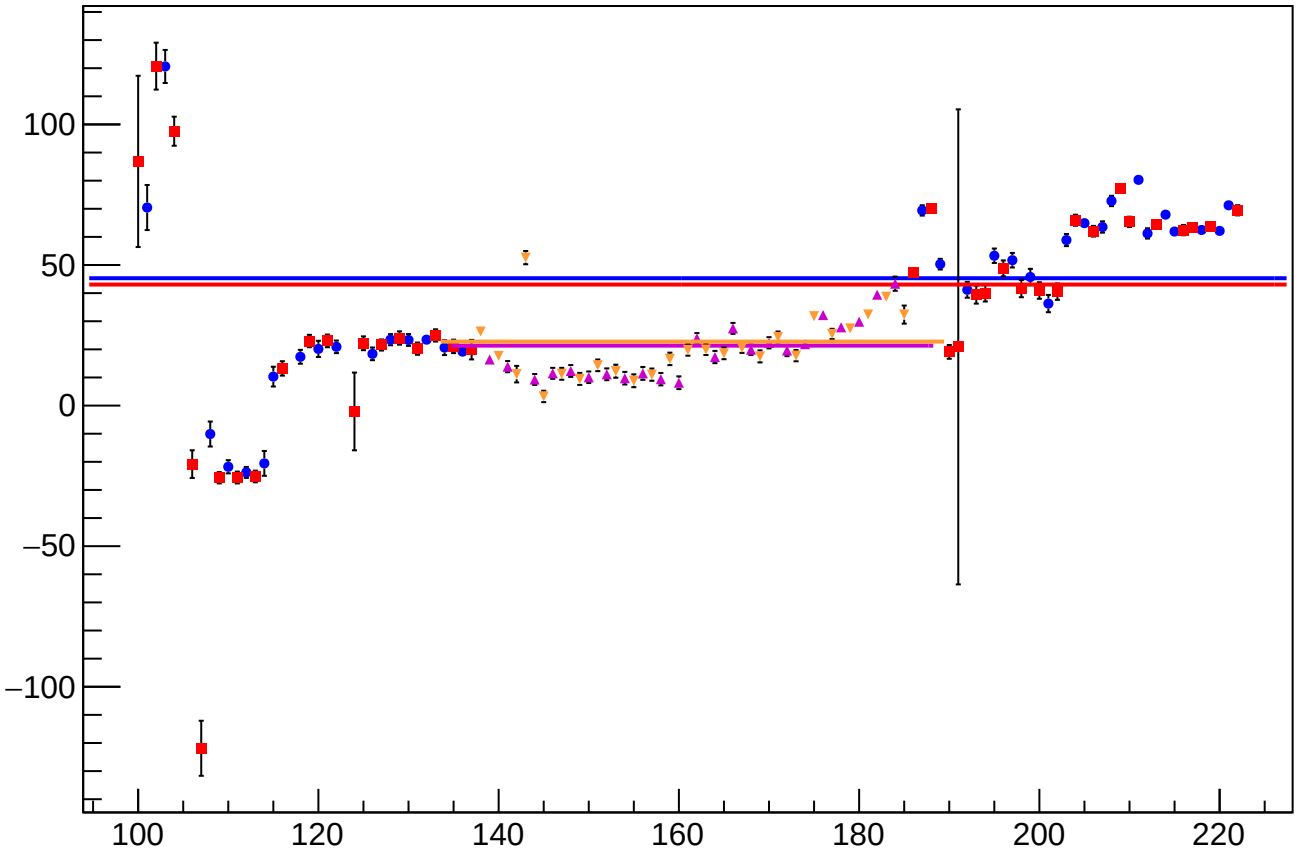
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.047+/-0.019 χ^2/NDF: 1091816.5/71

In: -19.145+/-0.014 χ^2/NDF:853119.8/56

Out: -19.570+/-0.013 χ^2/NDF:811808.5/62

All: -19.361+/-0.009 χ^2/NDF: 1665429.0/119



Right In: 45.301+/-0.367 χ^2/NDF: 5836.7/33

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 43.050+/-0.356 χ^2/NDF: 7195.9/37

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

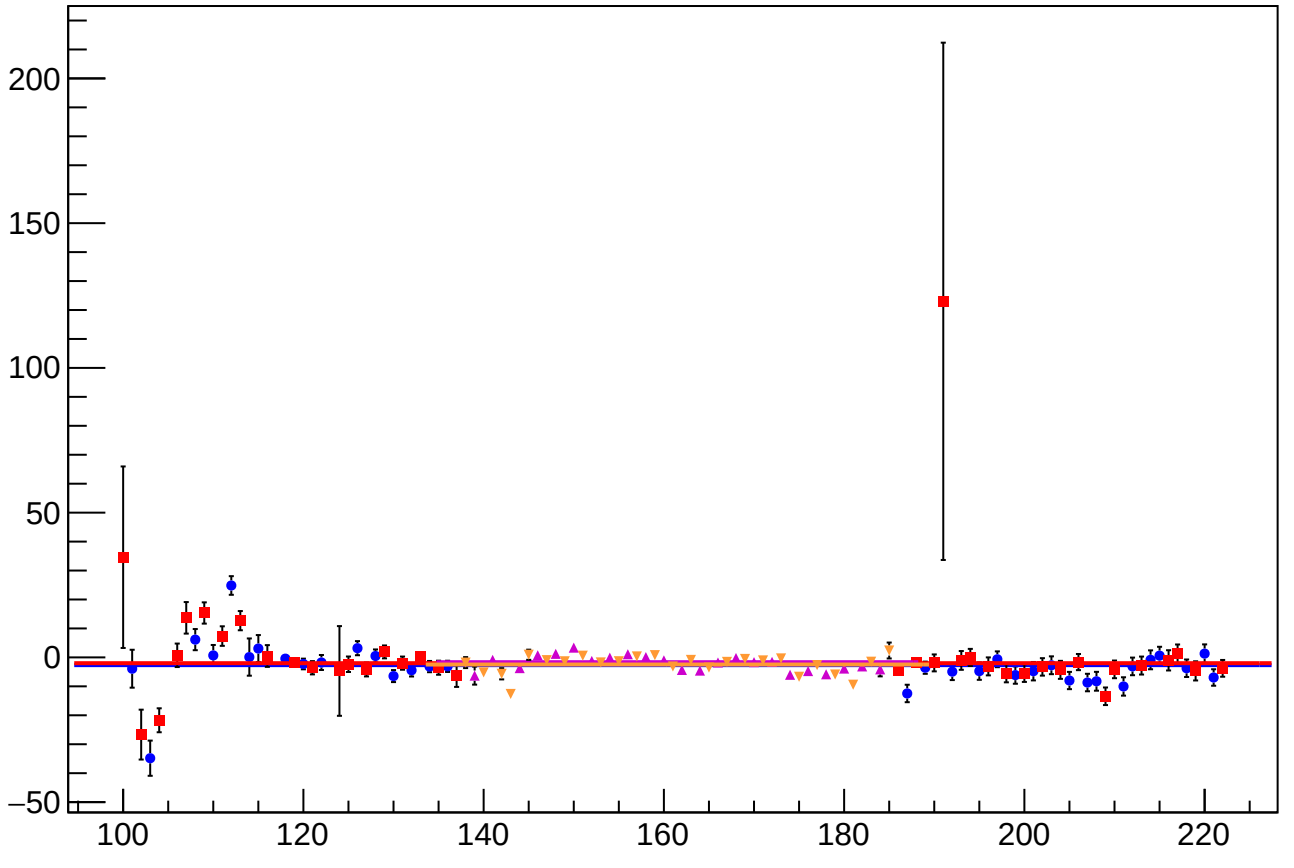
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 44.142+/-0.255 χ^2/NDF: 13052.0/71

In: 34.135+/-0.268 χ^2/NDF:8457.4/56

Out: 33.632+/-0.261 χ^2/NDF:9424.3/62

All: 33.877+/-0.187 χ^2/NDF: 17883.5/119



Right In: -2.676+/-0.462 χ^2/NDF: 158.7/33

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -2.002+/-0.447 χ^2/NDF: 123.8/37

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

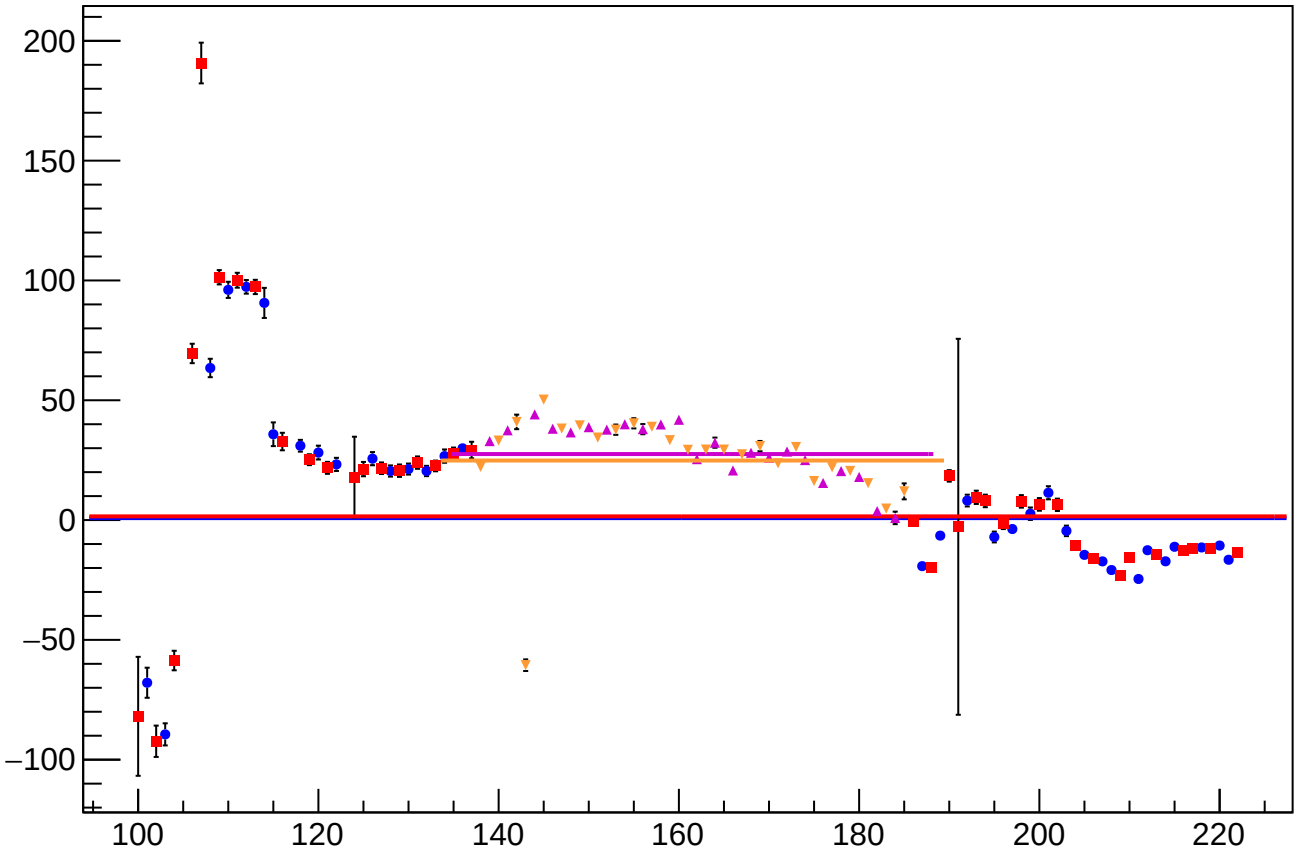
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.328+/-0.321 χ^2/NDF: 283.7/71

In: -1.966+/-0.254 χ^2/NDF:232.3/56

Out: -2.328+/-0.245 χ^2/NDF:241.3/62

All: -2.154+/-0.176 χ^2/NDF: 474.7/119



Right In: 0.817+/-0.380 χ^2/NDF: 5116.4/33

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 1.537+/-0.357 χ^2/NDF: 6536.3/37

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

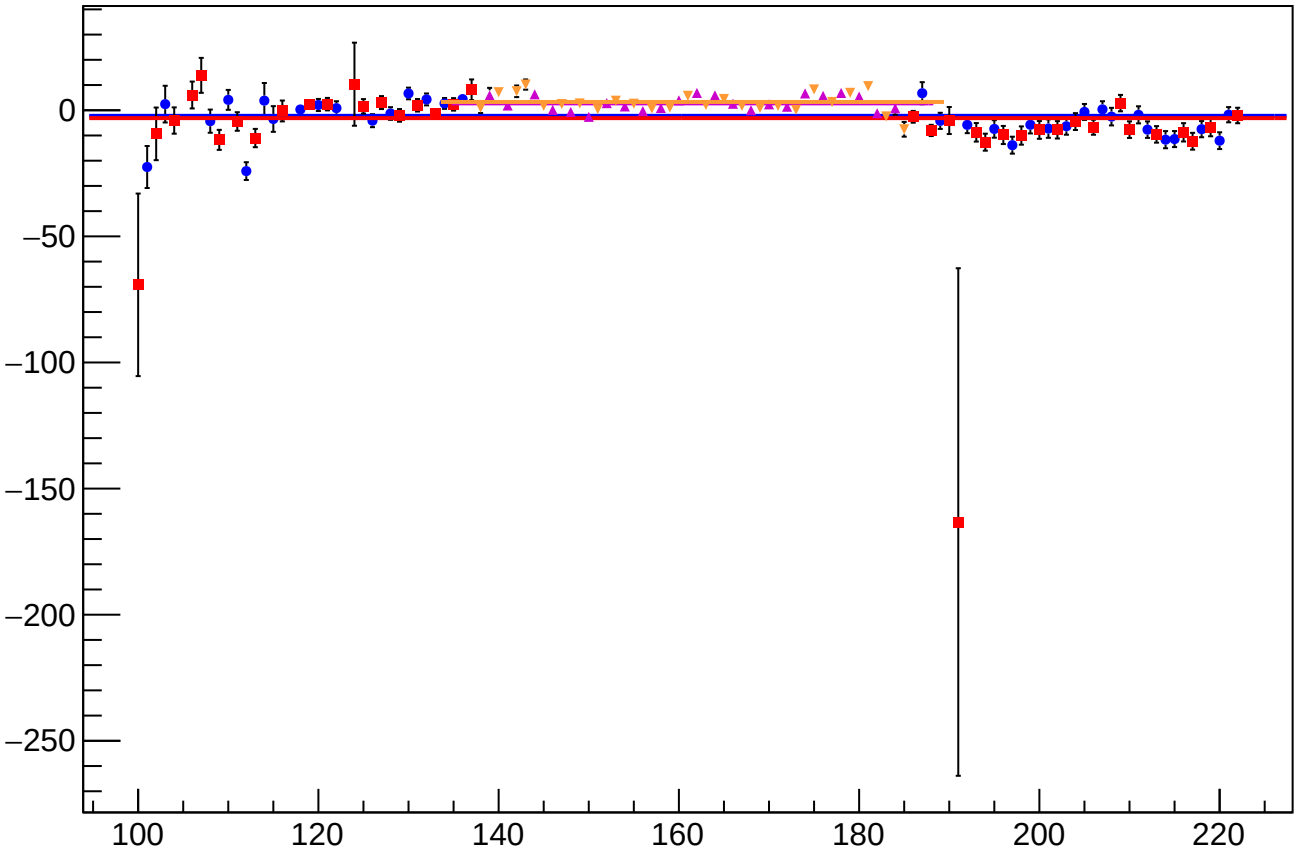
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 1.200+/-0.260 χ^2/NDF: 11654.6/71

In: 13.881+/-0.272 χ^2/NDF:8414.9/56

Out: 12.463+/-0.260 χ^2/NDF:10587.3/62

All: 13.140+/-0.188 χ^2/NDF: 19016.5/119



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: -3.121+/-0.525 χ^2/NDF: 112.8/37

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

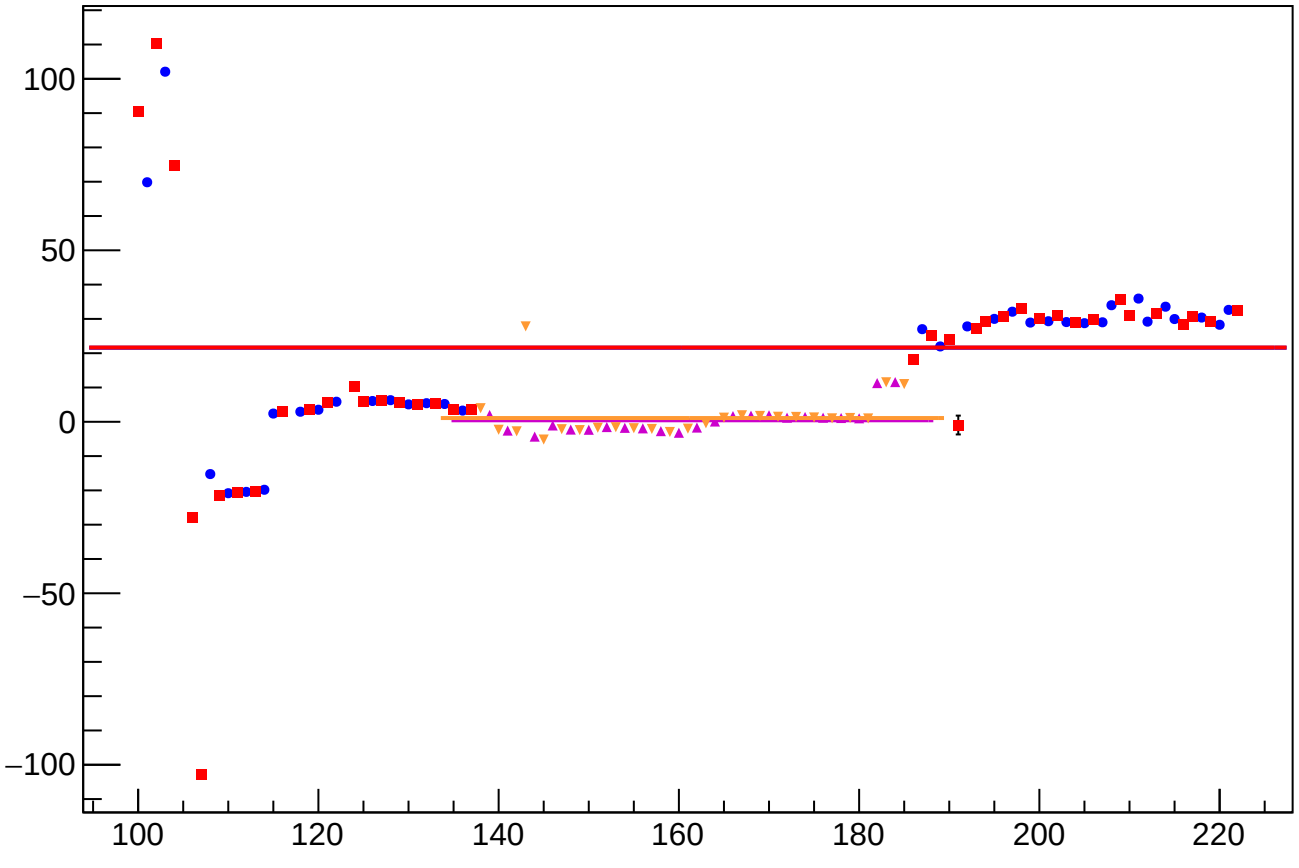
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.671+/-0.371 χ^2/NDF: 264.8/71

In: 1.258+/-0.287 χ^2/NDF:287.2/56

Out: 1.460+/-0.280 χ^2/NDF:325.8/62

All: 1.361+/-0.200 χ^2/NDF: 613.2/119



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: 21.659+/-0.026 χ^2/NDF: 651358.2/37

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

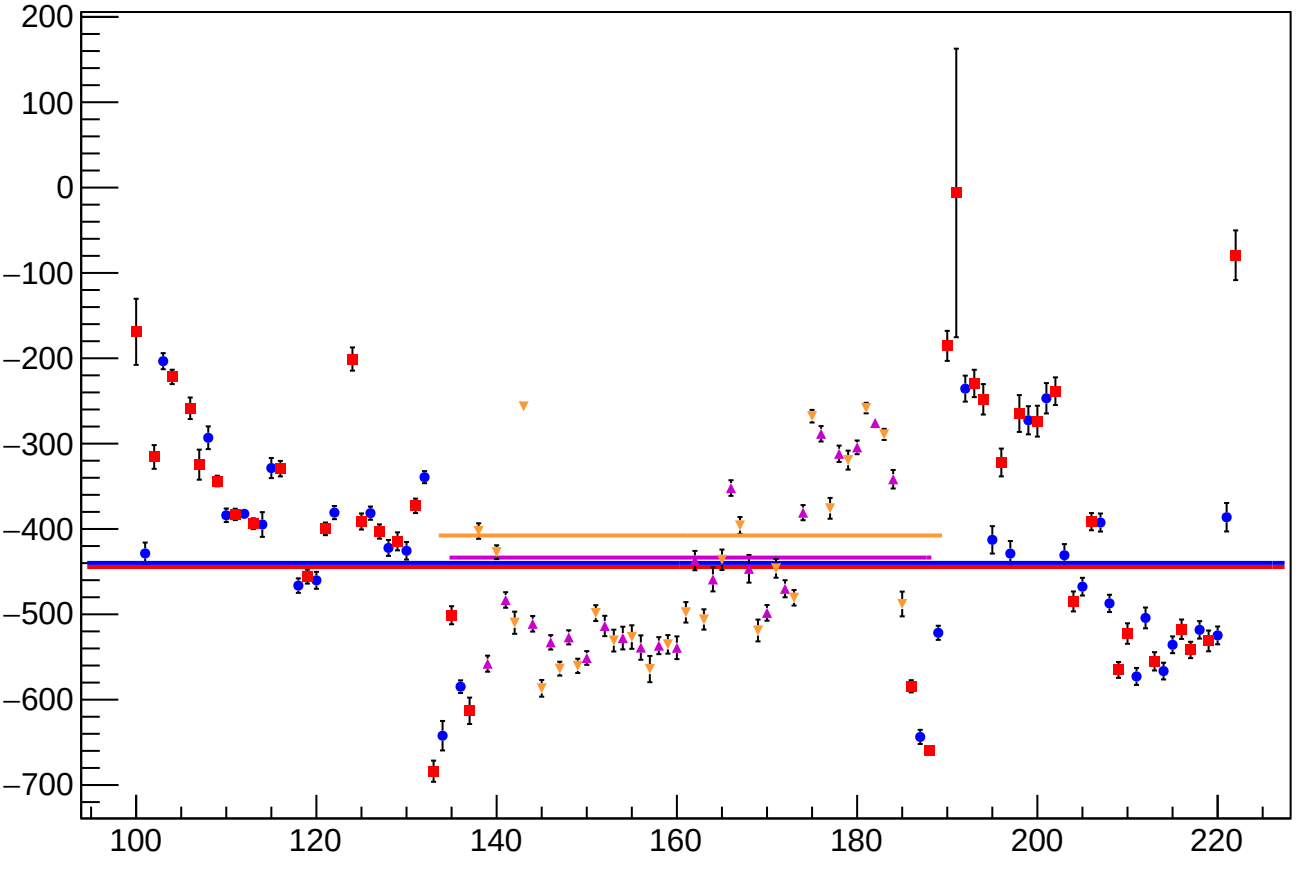
Right: 21.626+/-0.018 χ^2/NDF: 1163579.6/71

In: 5.928+/-0.013 χ^2/NDF:1075363.9/56

Out: 6.241+/-0.013 χ^2/NDF:1260965.0/62

All: 6.086+/-0.009 χ^2/NDF: 2336623.2/119

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -439.739+/-1.709 χ^2/NDF: 3606.9/33

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.554+/-1.607 χ^2/NDF: 7080.1/37

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

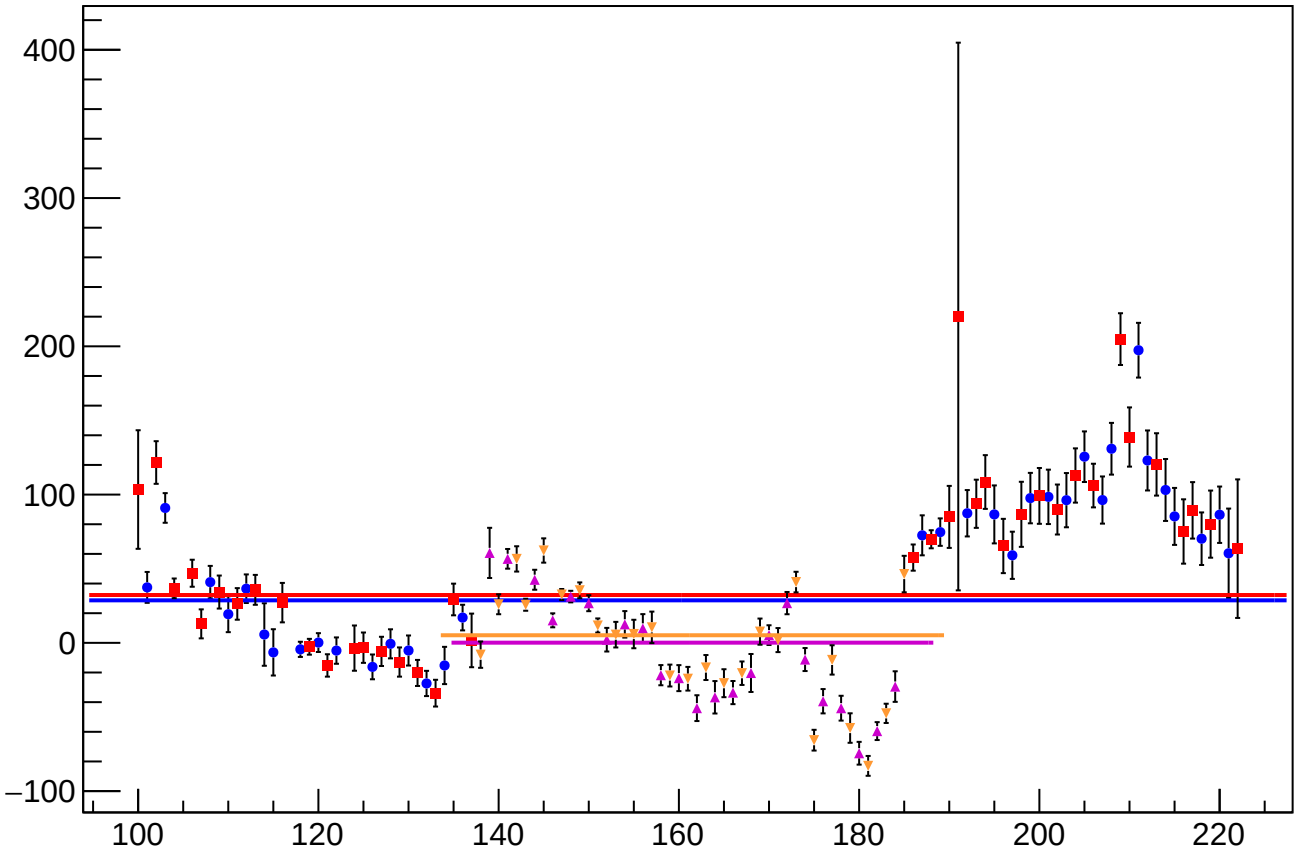
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -442.294+/-1.171 χ^2/NDF: 10691.2/71

In: -437.108+/-1.297 χ^2/NDF:6337.0/56

Out: -428.839+/-1.218 χ^2/NDF:11310.4/62

All: -432.714+/-0.888 χ^2/NDF: 17669.0/119



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: 32.263+/-1.856 χ^2/NDF: 603.3/37

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

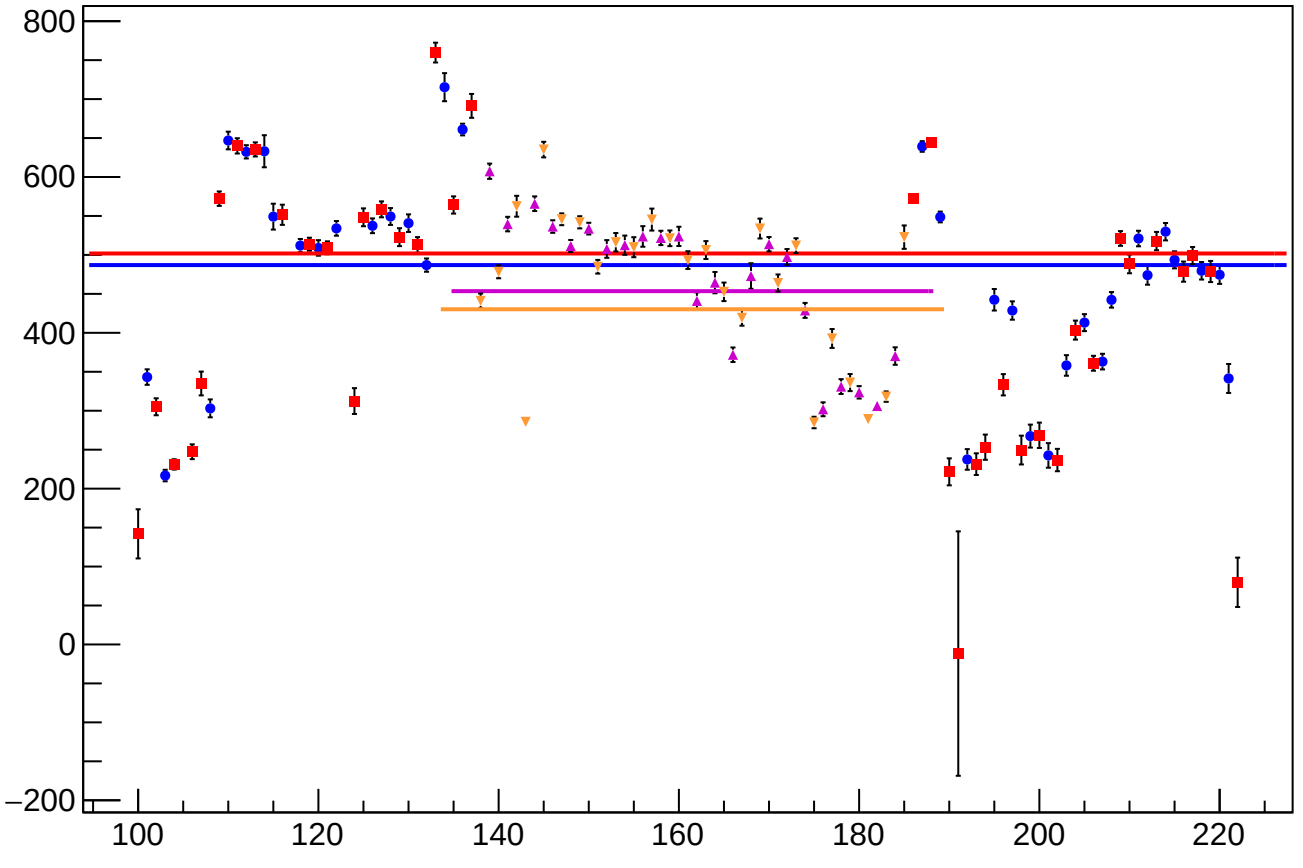
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.565+/-1.347 χ^2/NDF: 1169.5/71

In: 10.576+/-1.186 χ^2/NDF:1267.6/56

Out: 14.776+/-1.107 χ^2/NDF:1430.3/62

All: 12.821+/-0.809 χ^2/NDF: 2704.5/119



Right In: 486.959+/-1.781 χ^2/NDF: 5005.5/33

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 501.849+/-1.627 χ^2/NDF: 8258.5/37

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

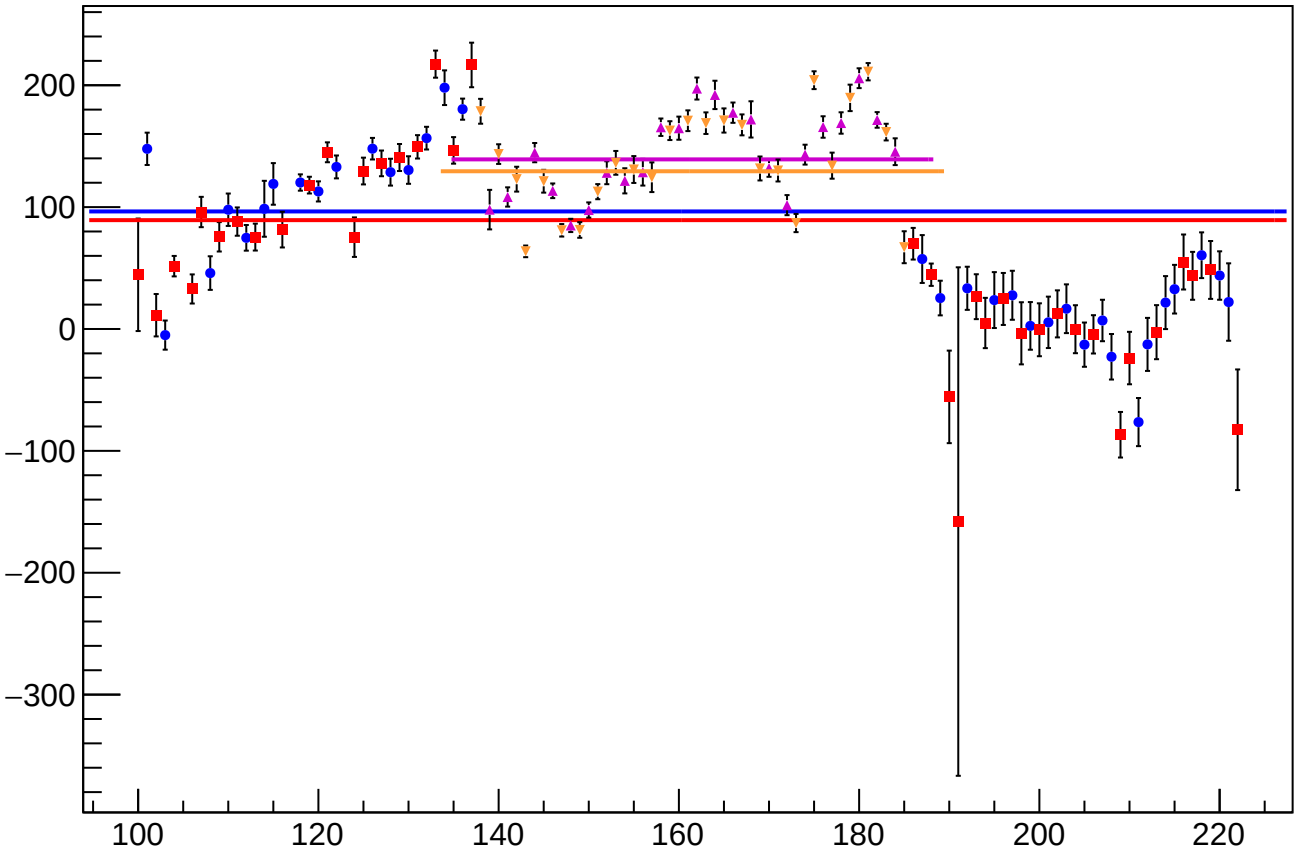
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 495.074+/-1.201 χ^2/NDF: 13302.1/71

In: 471.945+/-1.322 χ^2/NDF:7583.6/56

Out: 470.829+/-1.225 χ^2/NDF:12502.8/62

All: 471.344+/-0.899 χ^2/NDF: 20086.8/119



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: 89.312+/-2.197 χ^2/NDF: 772.6/37

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

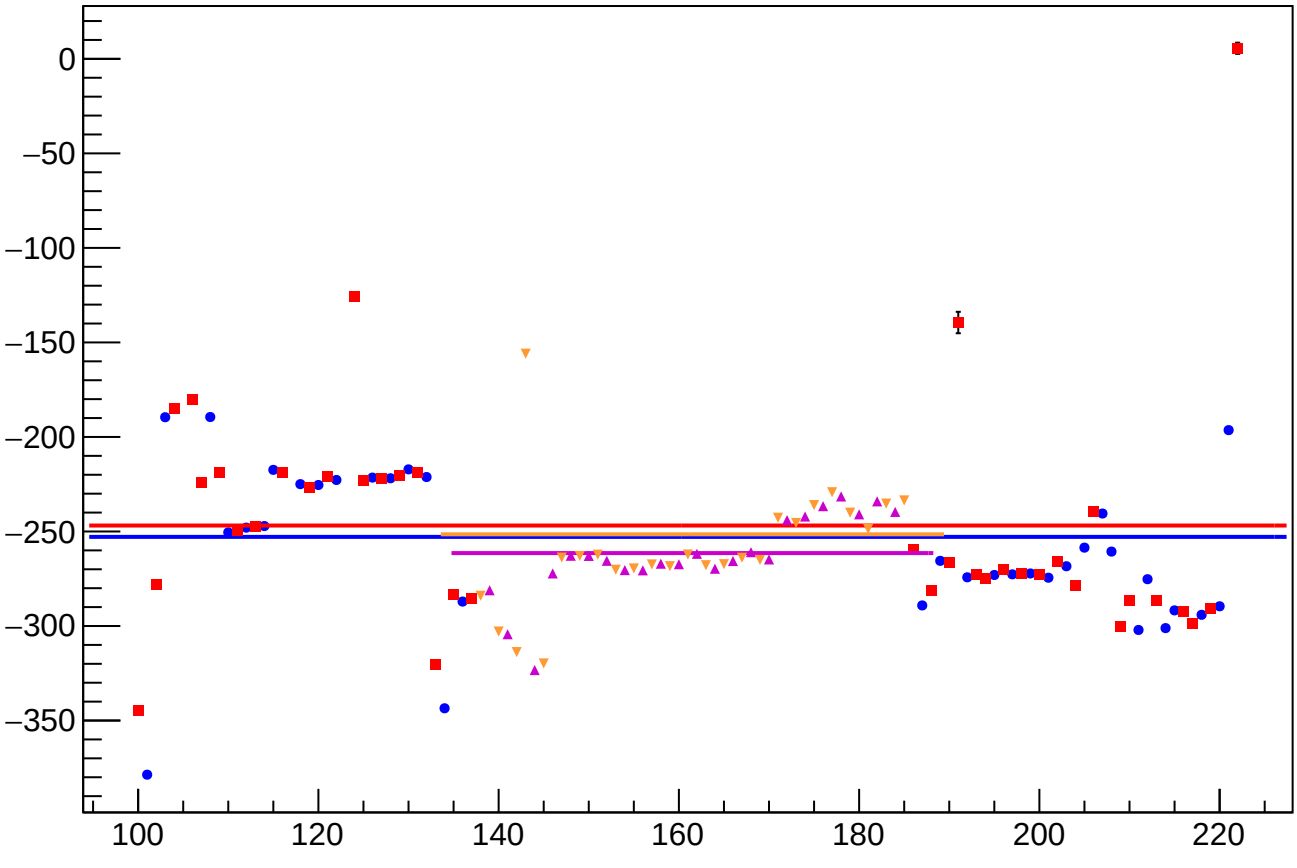
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 92.749+/-1.582 χ^2/NDF: 1519.5/71

In: 123.844+/-1.365 χ^2/NDF:1401.1/56

Out: 115.601+/-1.289 χ^2/NDF:1805.3/62

All: 119.487+/-0.937 χ^2/NDF: 3225.7/119



Right In: -252.855+/-0.117 χ^2/NDF: 158679.3/33

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.849+/-0.114 χ^2/NDF: 131196.0/37

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

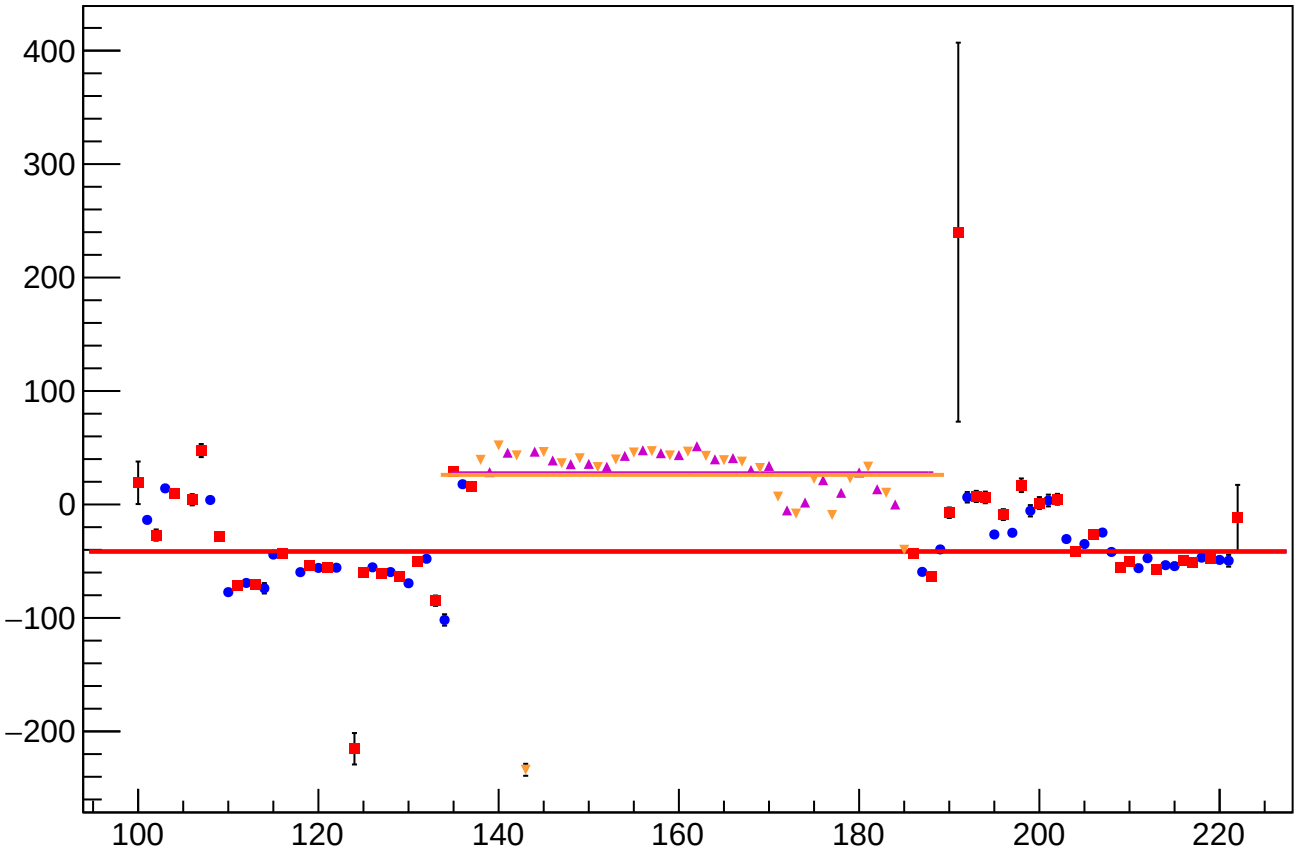
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.773+/-0.081 χ^2/NDF: 291237.3/71

In: -258.780+/-0.065 χ^2/NDF:231974.6/56

Out: -250.104+/-0.062 χ^2/NDF:387296.3/62

All: -254.277+/-0.045 χ^2/NDF: 628588.4/119



Right In: -41.523+/-0.520 χ^2/NDF: 2855.1/33

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.290+/-0.486 χ^2/NDF: 3378.7/37

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

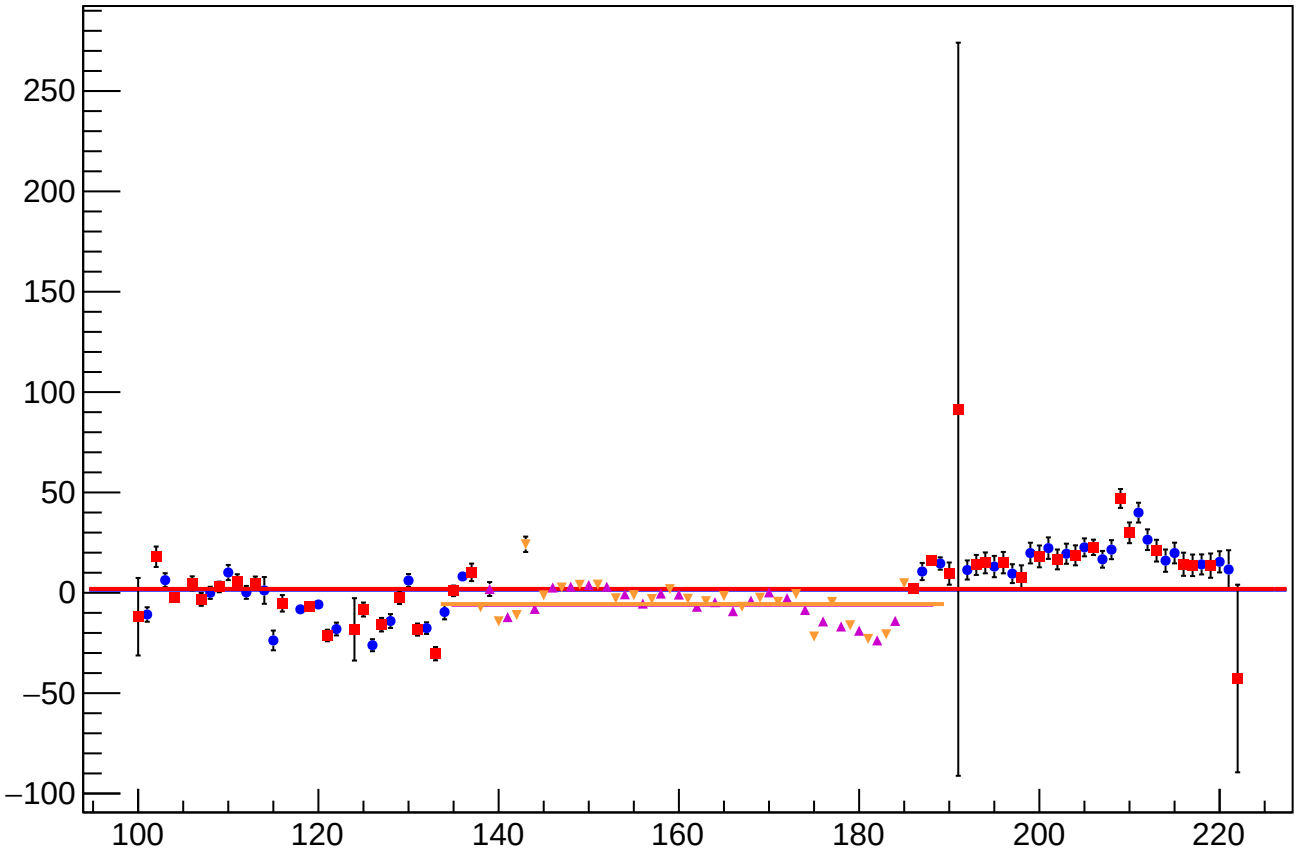
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.399+/-0.355 χ^2/NDF: 6234.0/71

In: 2.138+/-0.315 χ^2/NDF:15618.8/56

Out: -0.260+/-0.304 χ^2/NDF:19853.3/62

All: 0.897+/-0.219 χ^2/NDF: 35502.0/119



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: 1.943+/-0.592 χ^2/NDF: 561.4/37

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

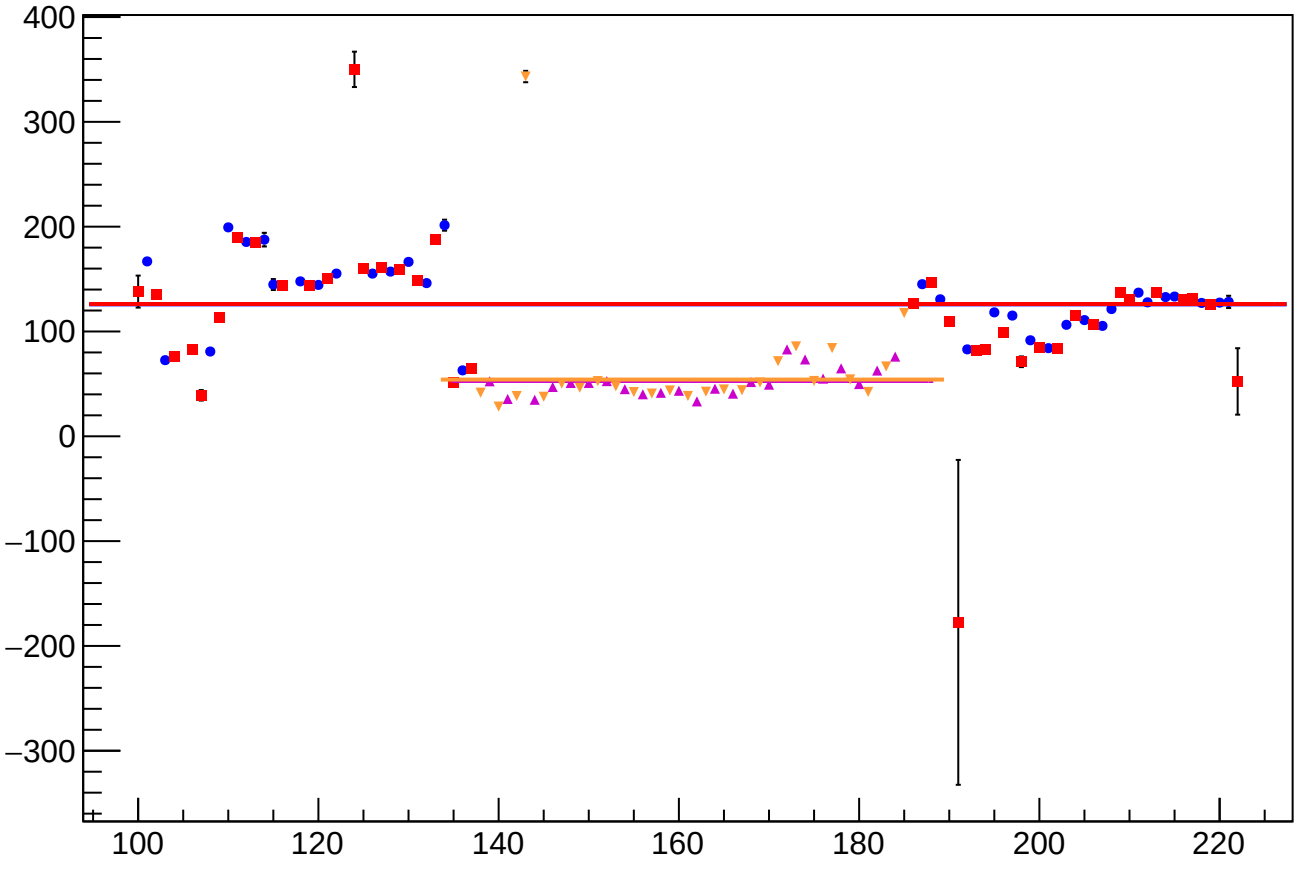
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.759+/-0.430 χ^2/NDF: 1096.1/71

In: -4.473+/-0.277 χ^2/NDF:1361.8/56

Out: -4.065+/-0.269 χ^2/NDF:1584.3/62

All: -4.263+/-0.193 χ^2/NDF: 2947.2/119



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: 126.216+/-0.495 χ^2/NDF: 4465.4/37

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

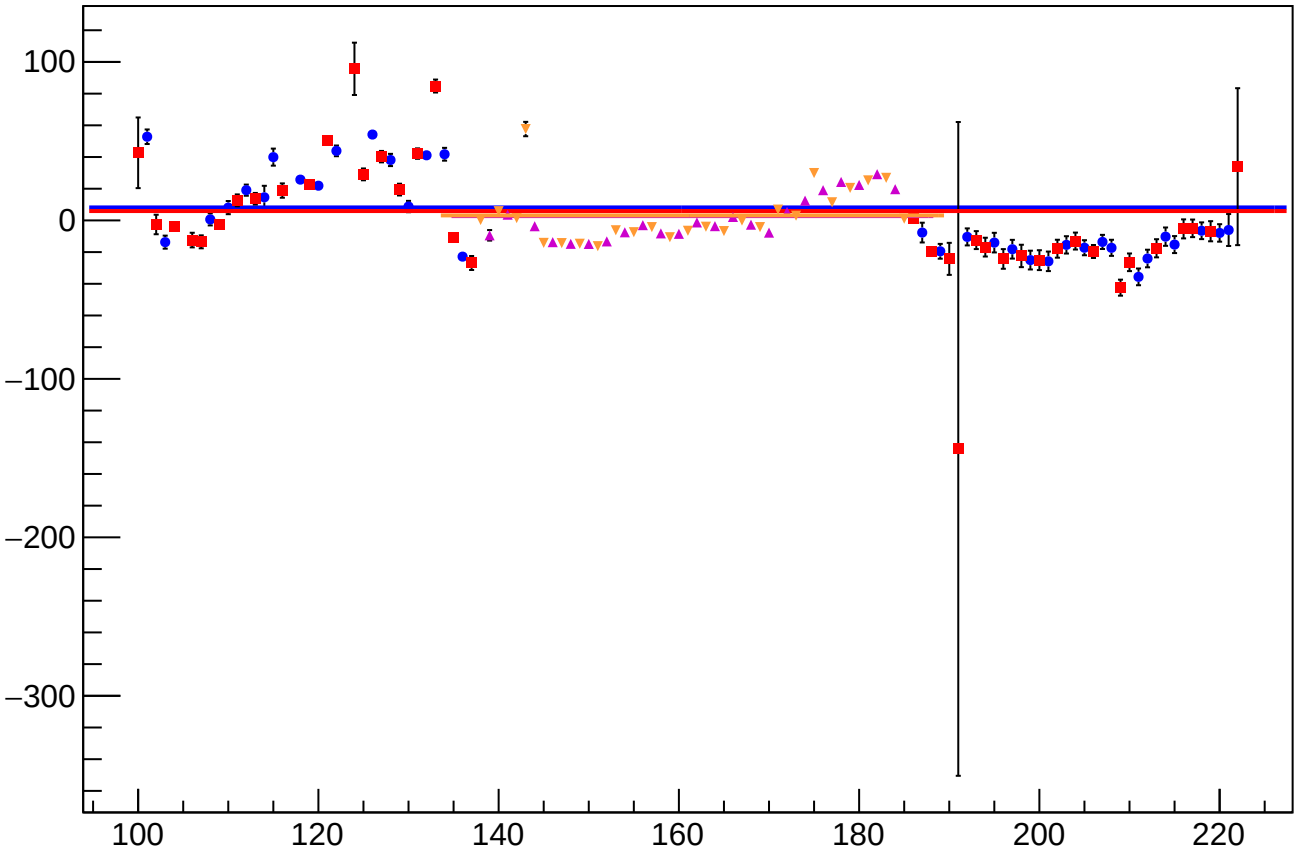
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.056+/-0.365 χ^2/NDF: 8614.6/71

In: 78.124+/-0.317 χ^2/NDF:17133.9/56

Out: 81.509+/-0.305 χ^2/NDF:22220.8/62

All: 79.884+/-0.220 χ^2/NDF: 39413.8/119



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: 5.907+/-0.696 χ^2/NDF: 1480.0/37

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

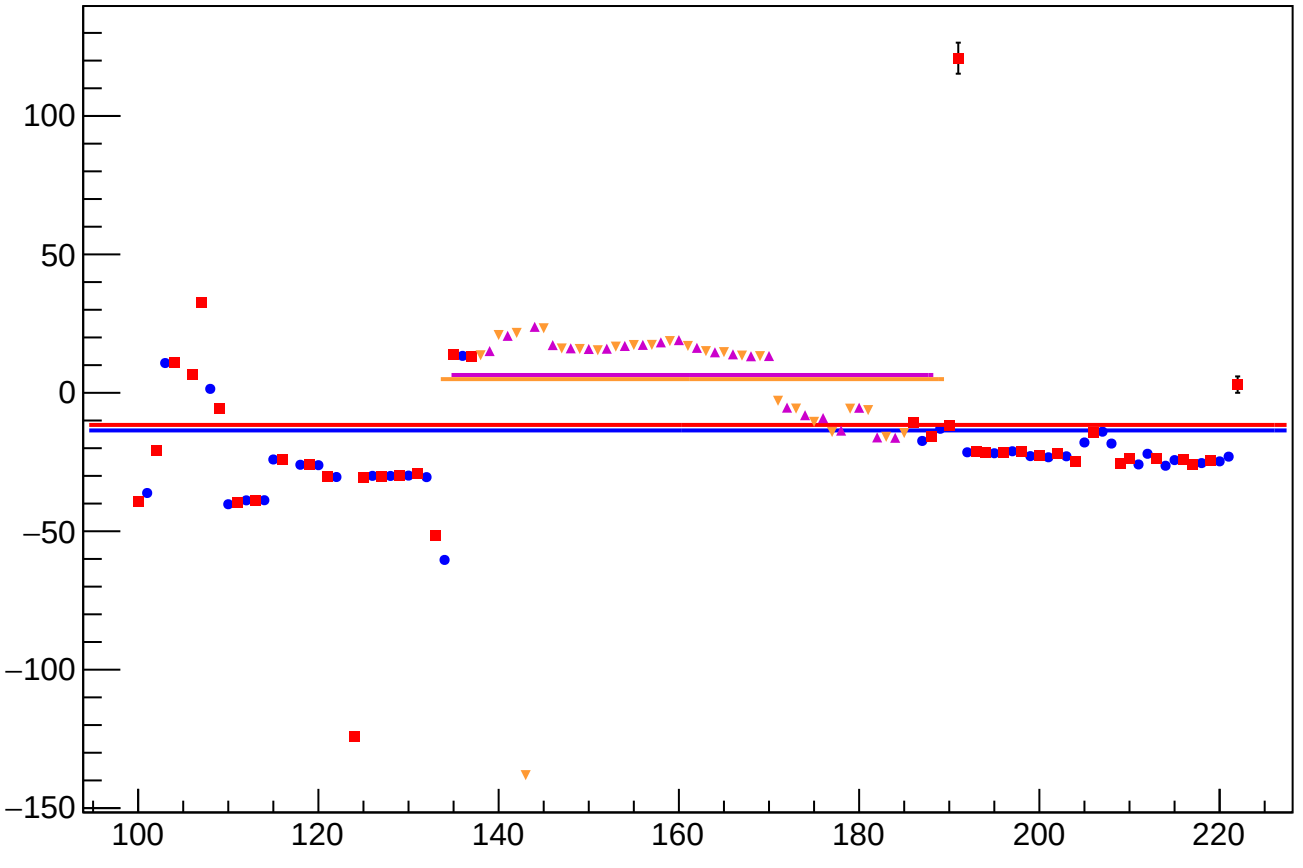
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.016+/-0.499 χ^2/NDF: 2896.7/71

In: 3.759+/-0.312 χ^2/NDF:3193.9/56

Out: 3.684+/-0.305 χ^2/NDF:3505.0/62

All: 3.721+/-0.218 χ^2/NDF: 6698.9/119



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: -11.591+/-0.034 χ^2/NDF: 287065.9/37

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

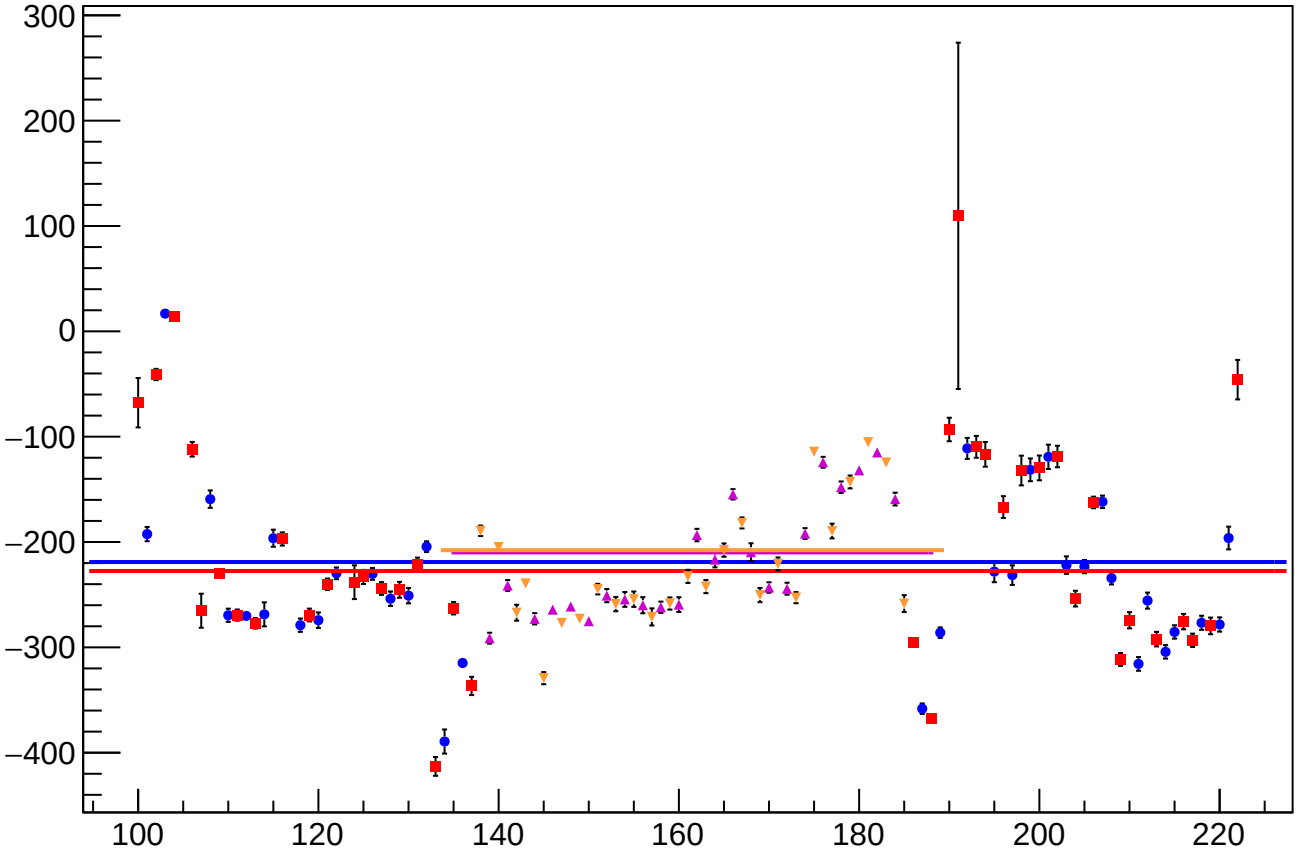
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.590+/-0.024 χ^2/NDF: 595517.7/71

In: 3.124+/-0.014 χ^2/NDF:1319201.2/56

Out: 2.250+/-0.014 χ^2/NDF:1616090.1/62

All: 2.684+/-0.010 χ^2/NDF: 2937248.4/119



Right In: -218.994+/-1.077 χ^2/NDF: 9610.0/33

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.515+/-1.016 χ^2/NDF: 12961.6/37

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

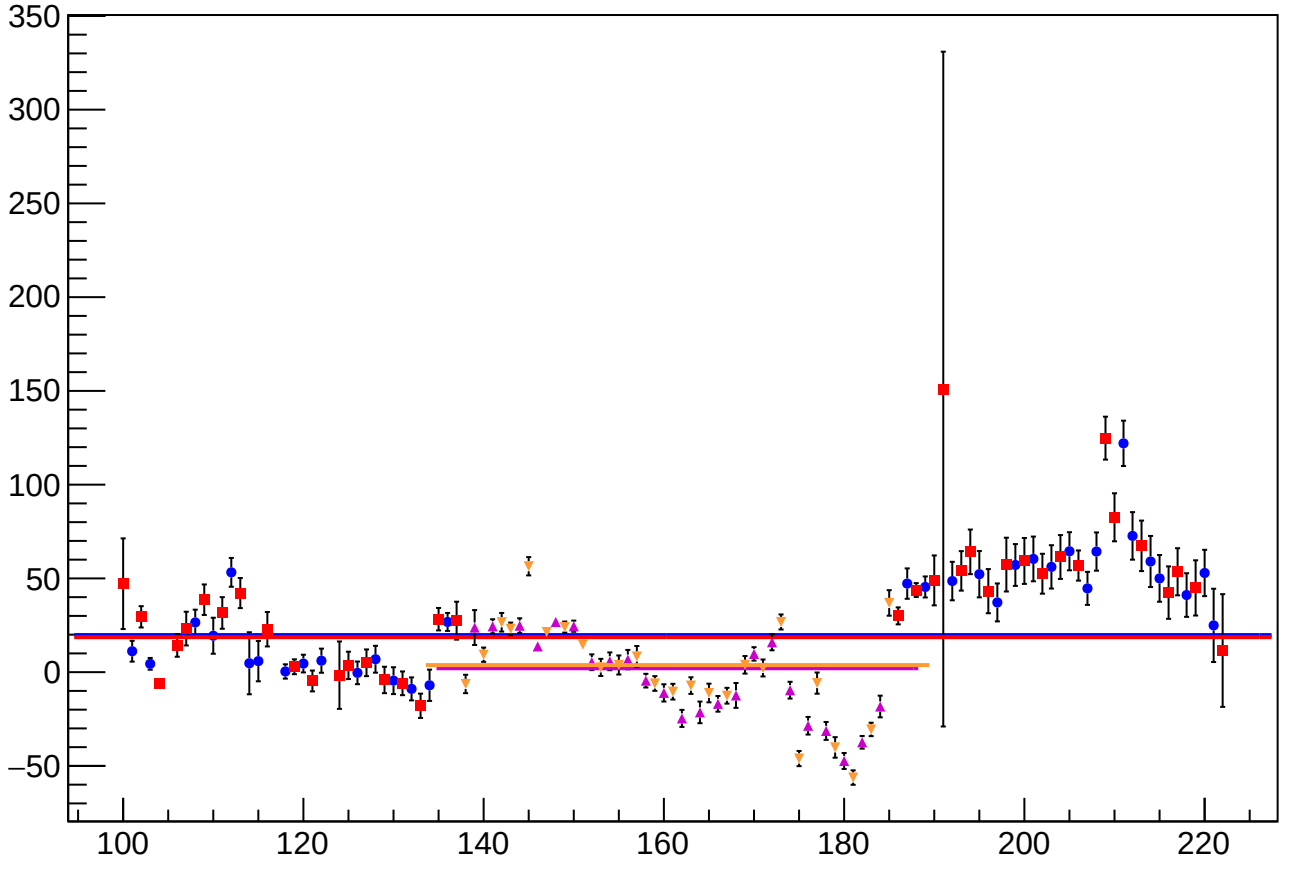
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -223.504+/-0.739 χ^2/NDF: 22604.7/71

In: -214.537+/-0.770 χ^2/NDF:12656.9/56

Out: -218.144+/-0.736 χ^2/NDF:16628.4/62

All: -216.420+/-0.532 χ^2/NDF: 29296.8/119



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: 18.658+/-1.136 χ^2/NDF: 522.2/37

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

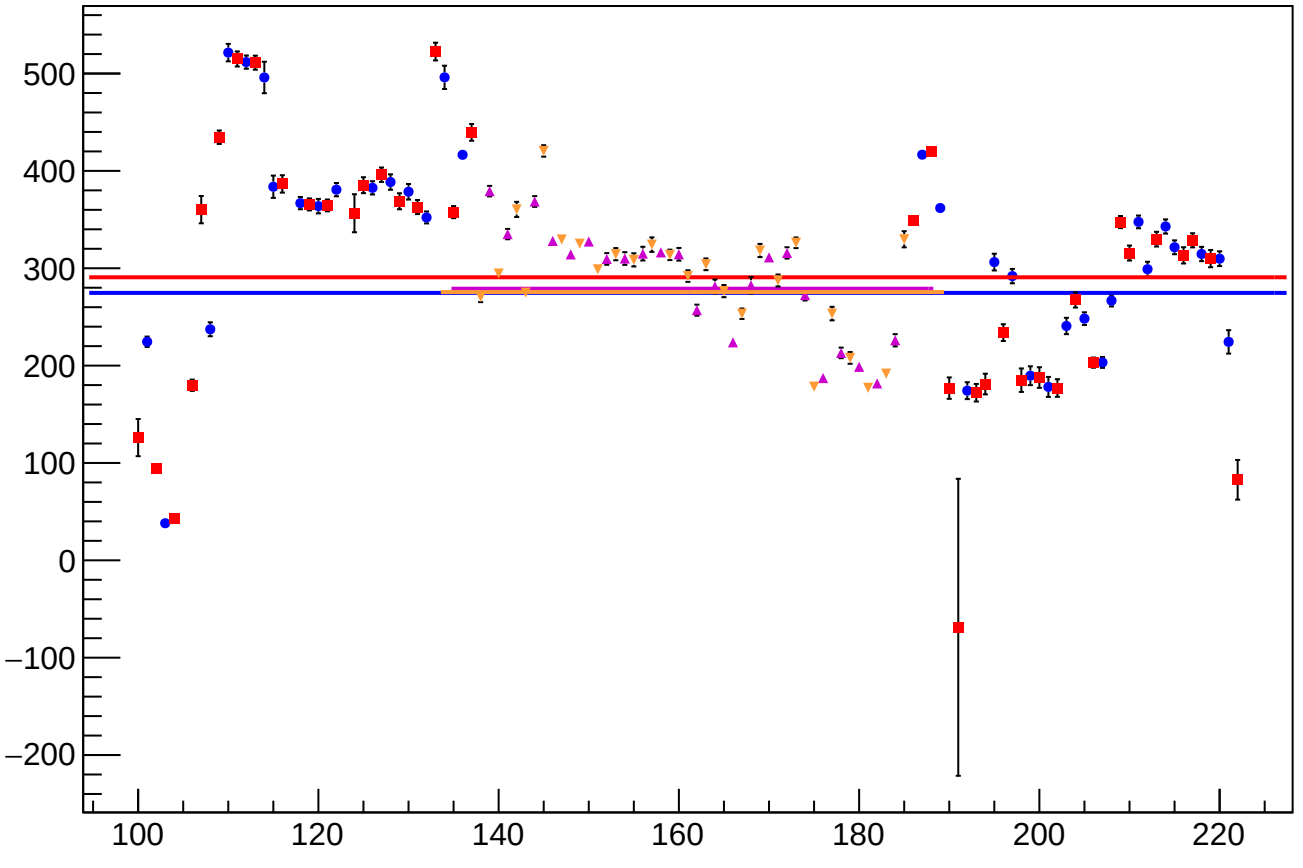
Right: 19.165+/-0.837 χ^2/NDF: 915.3/71

In: 7.474+/-0.684 χ^2/NDF:1304.8/56

Out: 8.601+/-0.647 χ^2/NDF:1610.3/62

All: 8.068+/-0.470 χ^2/NDF: 2916.6/119

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.693+/-1.056 χ^2/NDF: 18118.0/33

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.723+/-0.967 χ^2/NDF: 22435.2/37

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

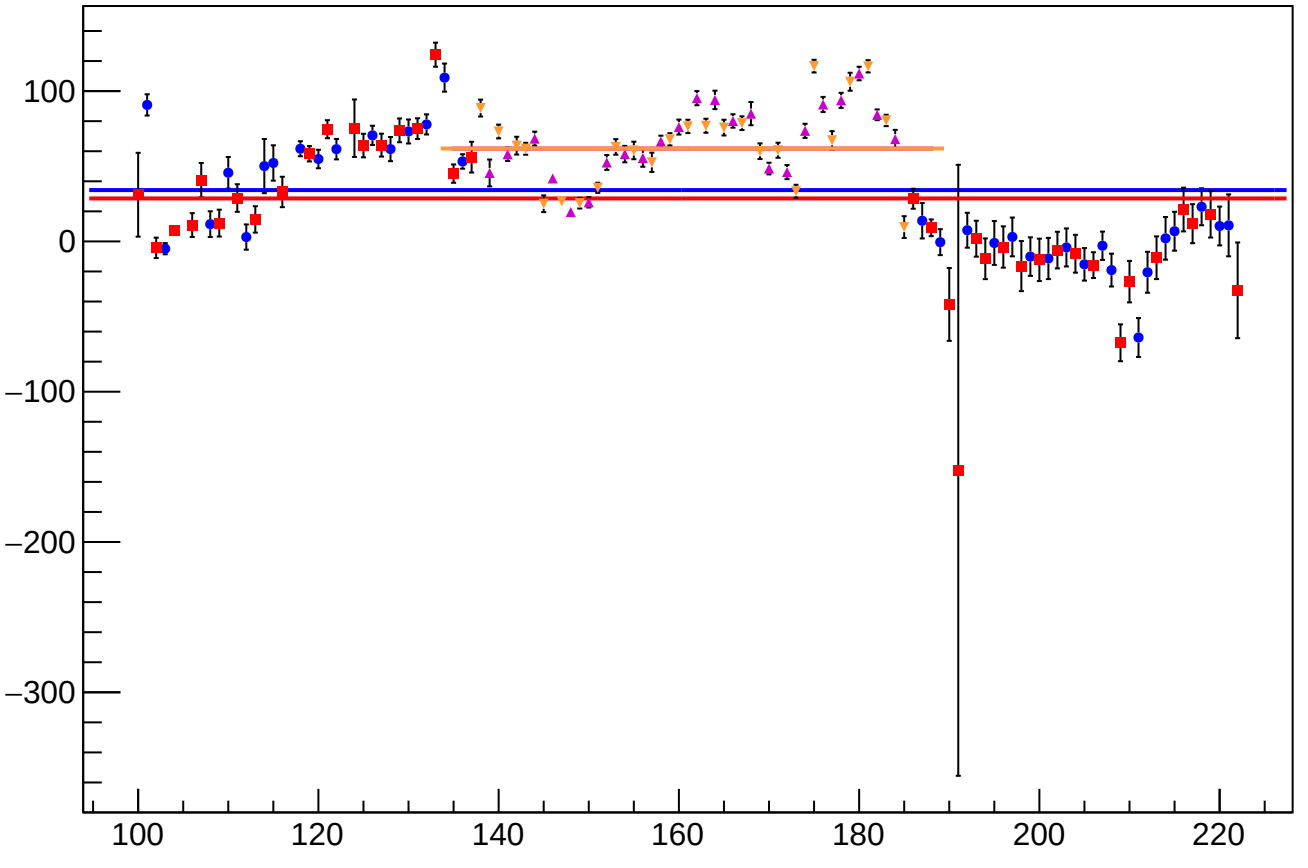
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.414+/-0.713 χ^2/NDF: 40678.7/71

In: 276.775+/-0.758 χ^2/NDF:21240.7/56

Out: 283.842+/-0.715 χ^2/NDF:25870.2/62

All: 280.516+/-0.520 χ^2/NDF: 47157.0/119



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: 28.580+/-1.367 χ^2/NDF: 650.9/37

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

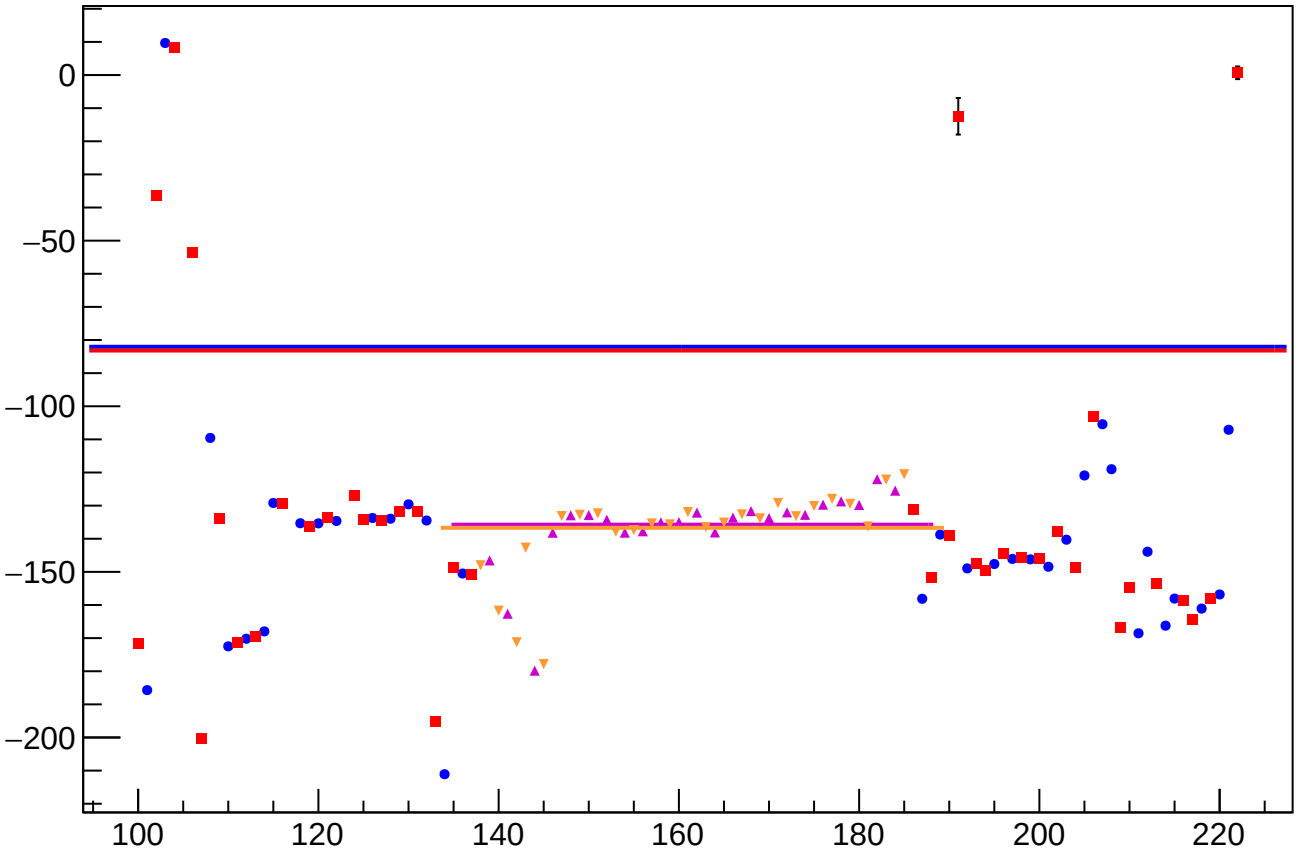
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.214+/-0.992 χ^2/NDF: 1321.6/71

In: 53.537+/-0.787 χ^2/NDF:1656.8/56

Out: 51.653+/-0.756 χ^2/NDF:2020.6/62

All: 52.558+/-0.545 χ^2/NDF: 3680.4/119



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: -83.173+/-0.062 χ^2/NDF: 1291113.8/37

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

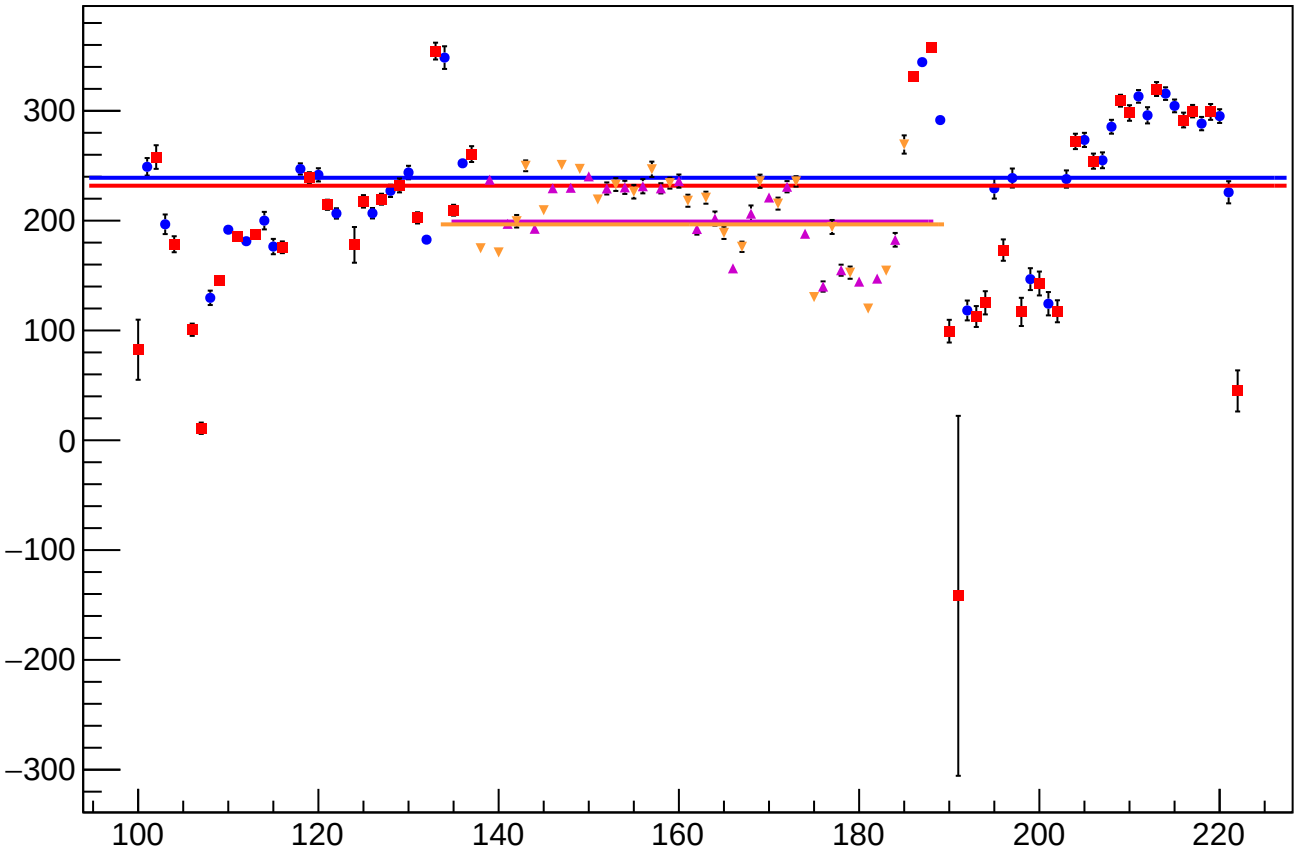
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.603+/-0.044 χ^2/NDF: 2896845.6/71

In: -118.199+/-0.035 χ^2/NDF:2183522.2/56

Out: -119.701+/-0.035 χ^2/NDF:1879713.8/62

All: -118.955+/-0.025 χ^2/NDF: 4064156.2/11



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: 231.825+/-0.913 χ^2/NDF: 9158.6/37

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

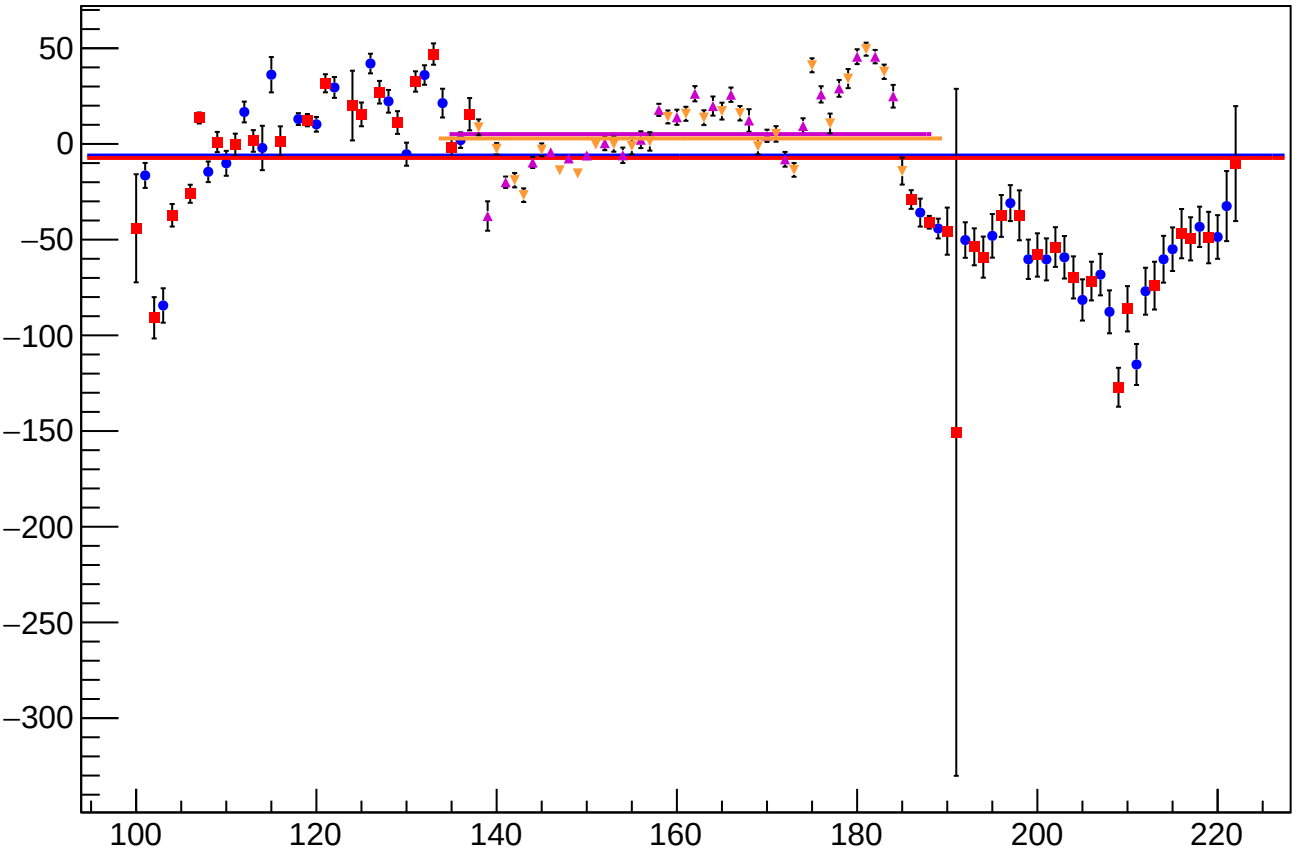
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 235.112+/-0.674 χ^2/NDF: 12256.0/71

In: 218.578+/-0.697 χ^2/NDF:5182.3/56

Out: 214.852+/-0.657 χ^2/NDF:11951.1/62

All: 216.606+/-0.478 χ^2/NDF: 17148.6/119



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: -7.310+/-1.043 χ^2/NDF: 1038.6/37

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

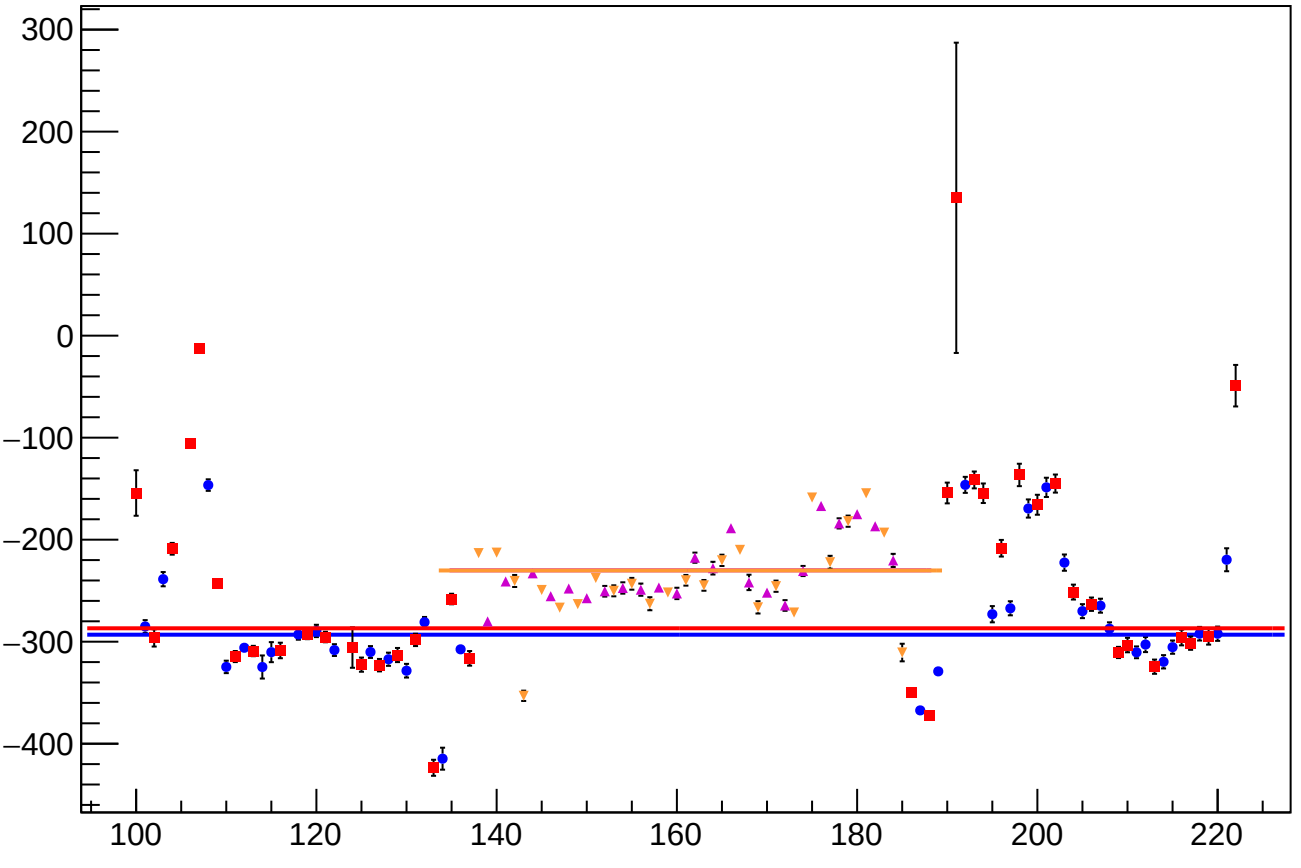
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -6.753+/-0.774 χ^2/NDF: 1982.2/71

In: 2.003+/-0.610 χ^2/NDF:1639.4/56

Out: -0.247+/-0.577 χ^2/NDF:1857.4/62

All: 0.817+/-0.419 χ^2/NDF: 3504.0/119



Right In: -293.141+/-1.047 χ^2/NDF: 2453.6/33

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.860+/-0.928 χ^2/NDF: 10118.7/37

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

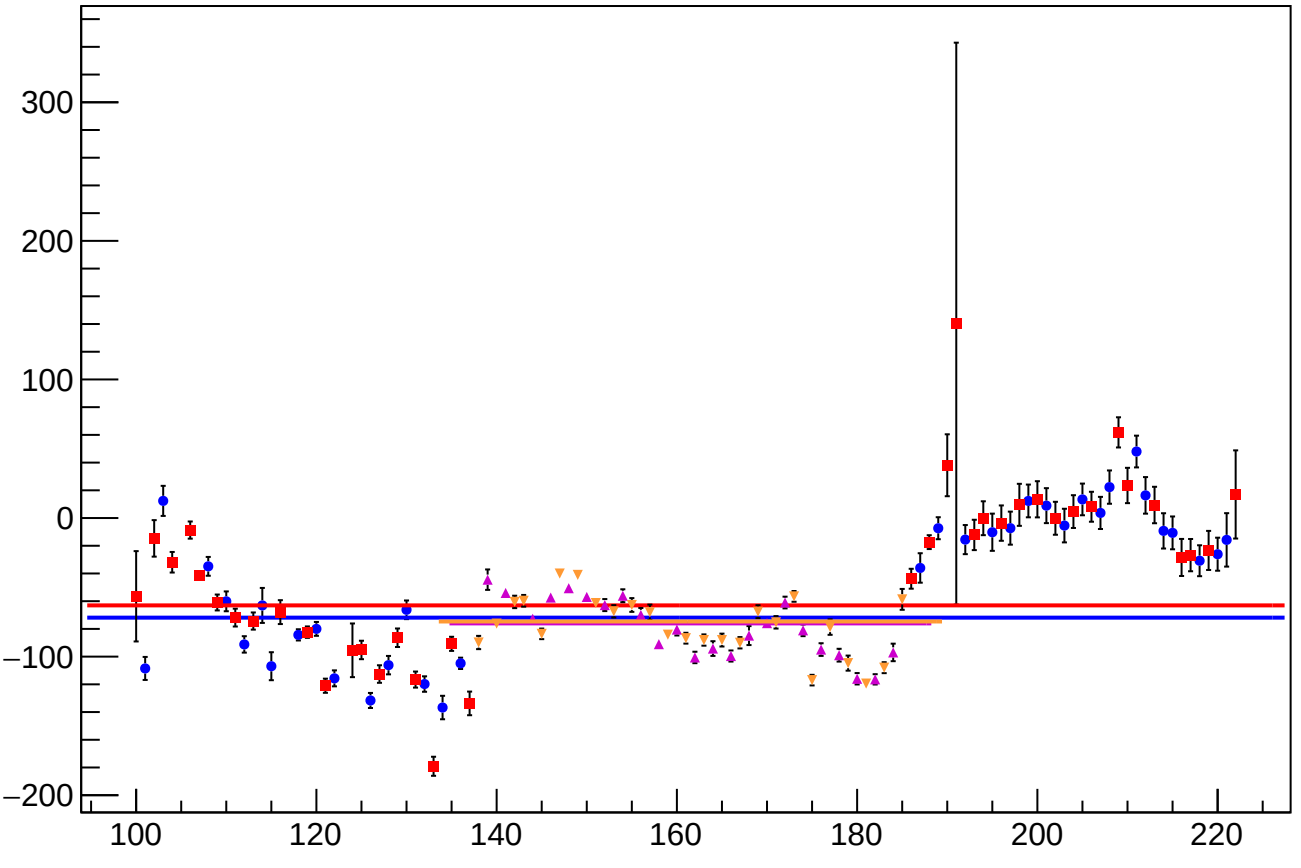
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.625+/-0.694 χ^2/NDF: 12592.5/71

In: -258.904+/-0.708 χ^2/NDF:5519.3/56

Out: -258.852+/-0.660 χ^2/NDF:14143.6/62

All: -258.876+/-0.483 χ^2/NDF: 19662.9/119



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: -63.028+/-1.242 χ^2/NDF: 1449.0/37

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

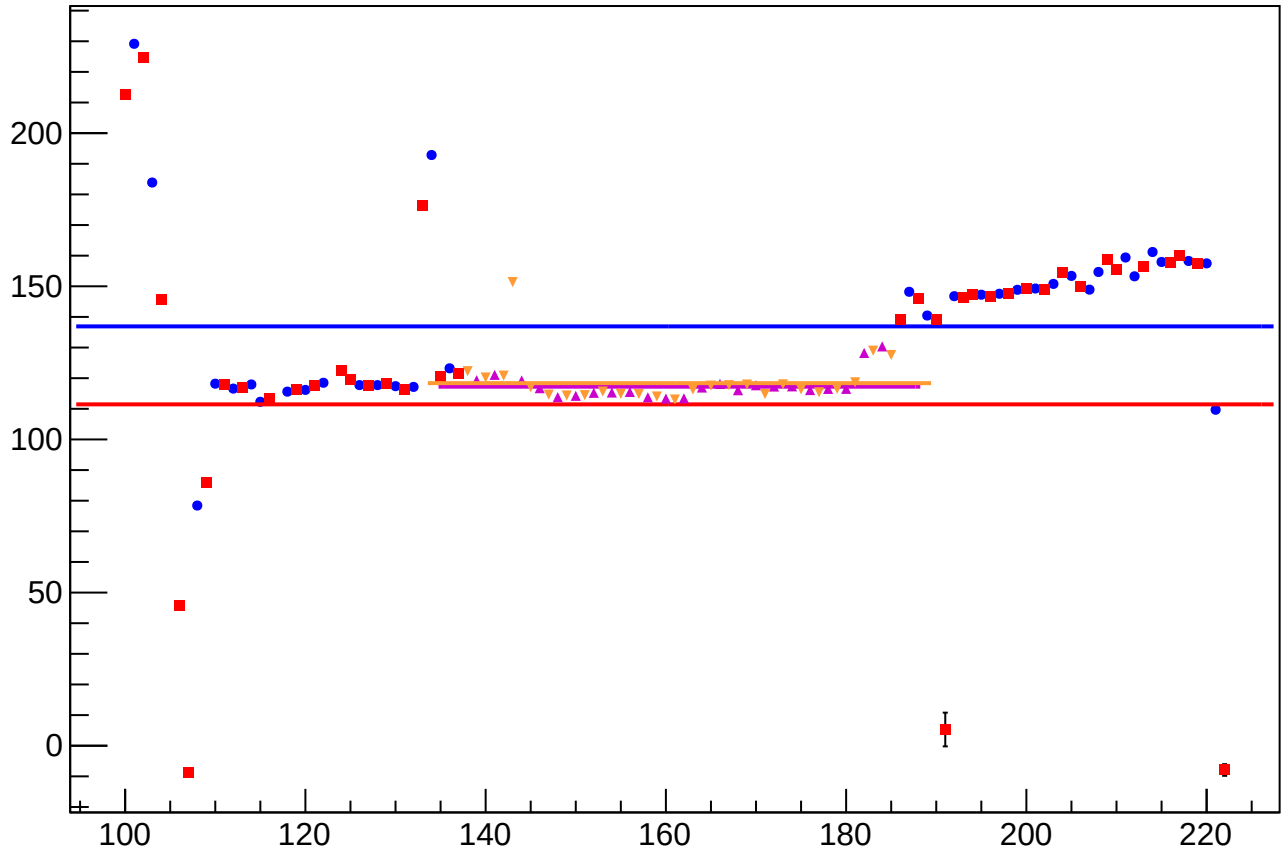
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.121+/-0.911 χ^2/NDF: 2703.7/71

In: -74.885+/-0.702 χ^2/NDF:1884.2/56

Out: -71.234+/-0.673 χ^2/NDF:2341.8/62

All: -72.983+/-0.486 χ^2/NDF: 4240.1/119



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: 111.449+/-0.064 χ^2/NDF: 797465.0/37

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

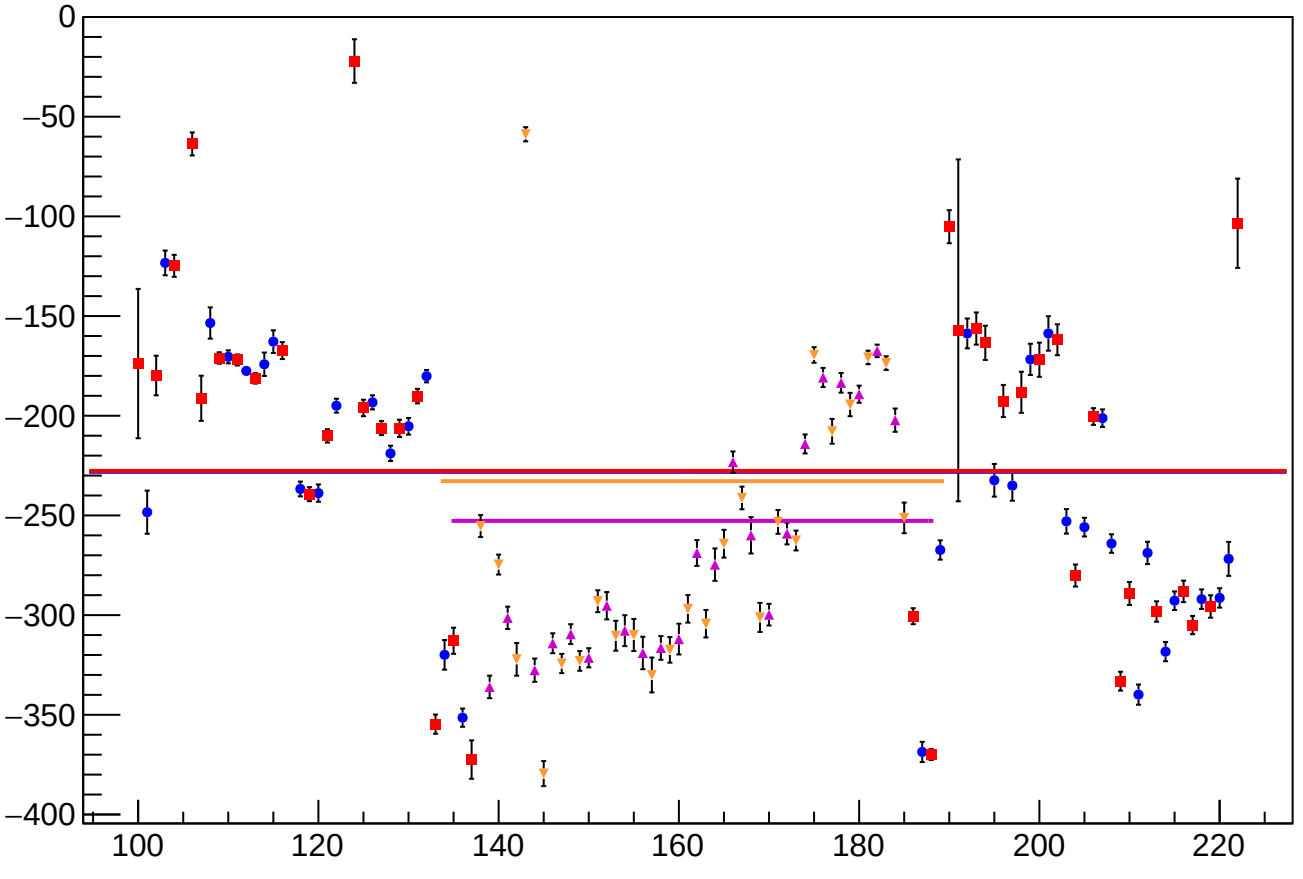
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 123.047+/-0.047 χ^2/NDF: 1078680.0/71

In: 121.674+/-0.033 χ^2/NDF:280490.2/56

Out: 116.612+/-0.032 χ^2/NDF:841236.7/62

All: 119.072+/-0.023 χ^2/NDF: 1133763.9/119



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: -227.682+/-0.775 χ^2/NDF: 9265.2/37

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

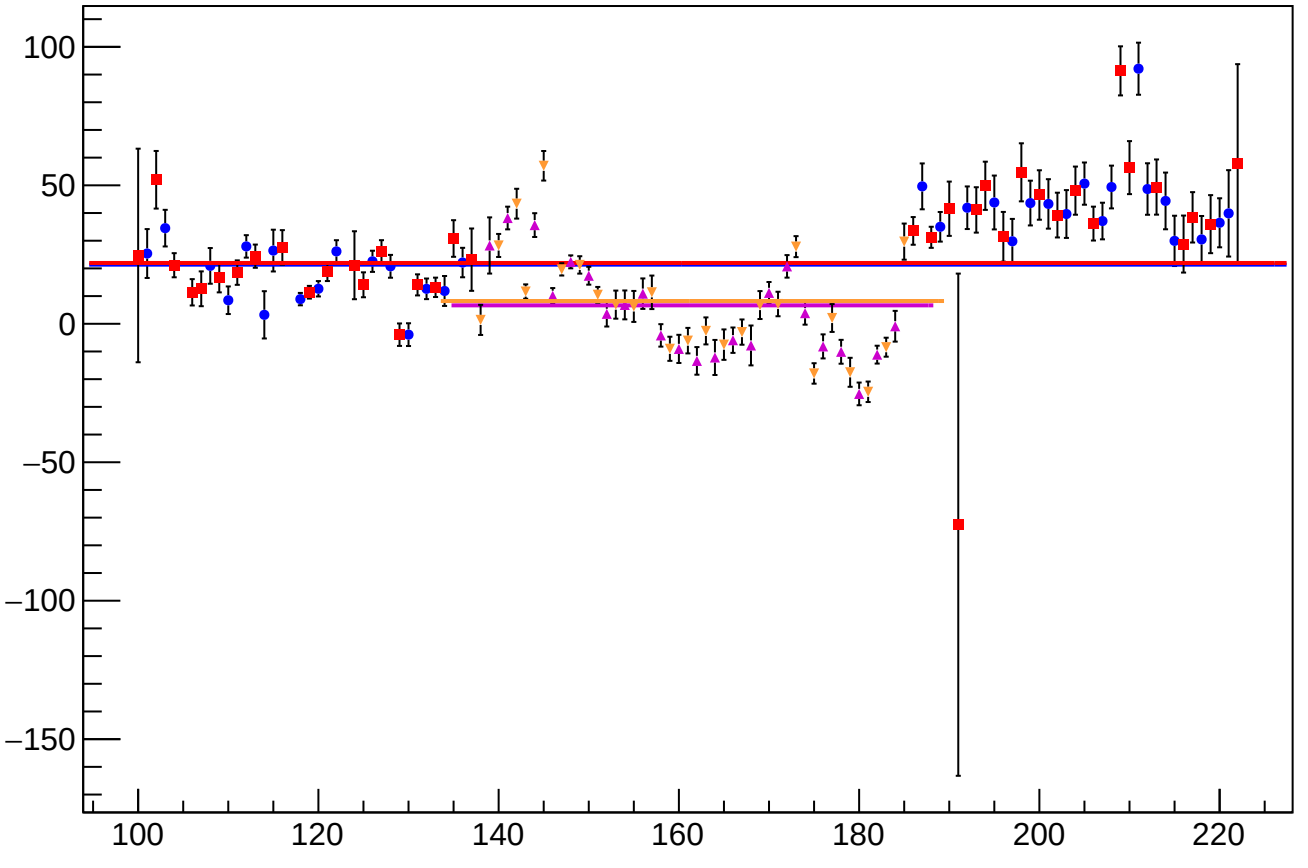
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -227.888+/-0.558 χ^2/NDF: 14586.9/71

In: -236.397+/-0.656 χ^2/NDF:8550.3/56

Out: -229.438+/-0.628 χ^2/NDF:15044.1/62

All: -232.765+/-0.454 χ^2/NDF: 23653.1/119



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: 21.961+/-0.901 χ^2/NDF: 255.2/37

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

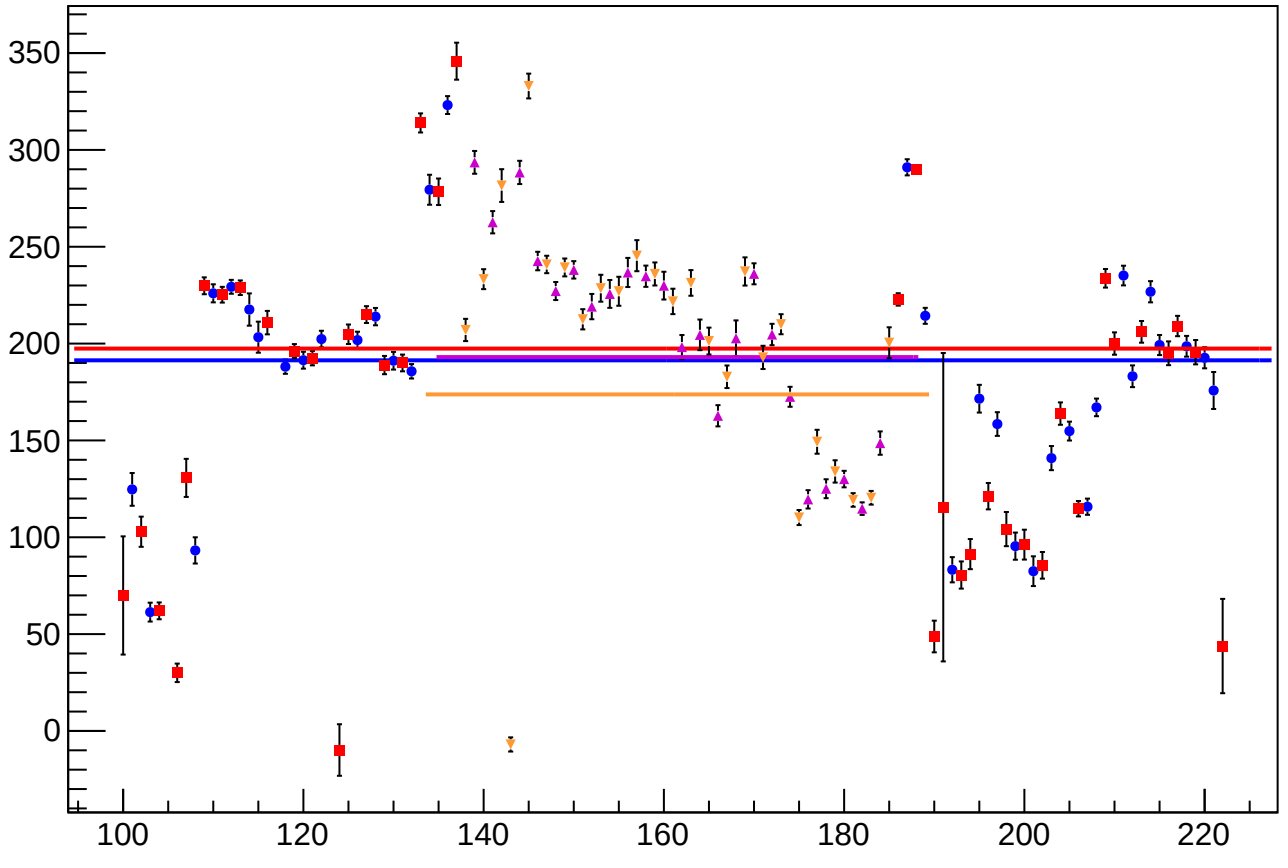
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.667+/-0.644 χ^2/NDF: 522.7/71

In: 13.484+/-0.628 χ^2/NDF:758.3/56

Out: 14.304+/-0.599 χ^2/NDF:842.8/62

All: 13.913+/-0.434 χ^2/NDF: 1602.0/119



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: 197.420+/-0.824 χ^2/NDF: 7656.9/37

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

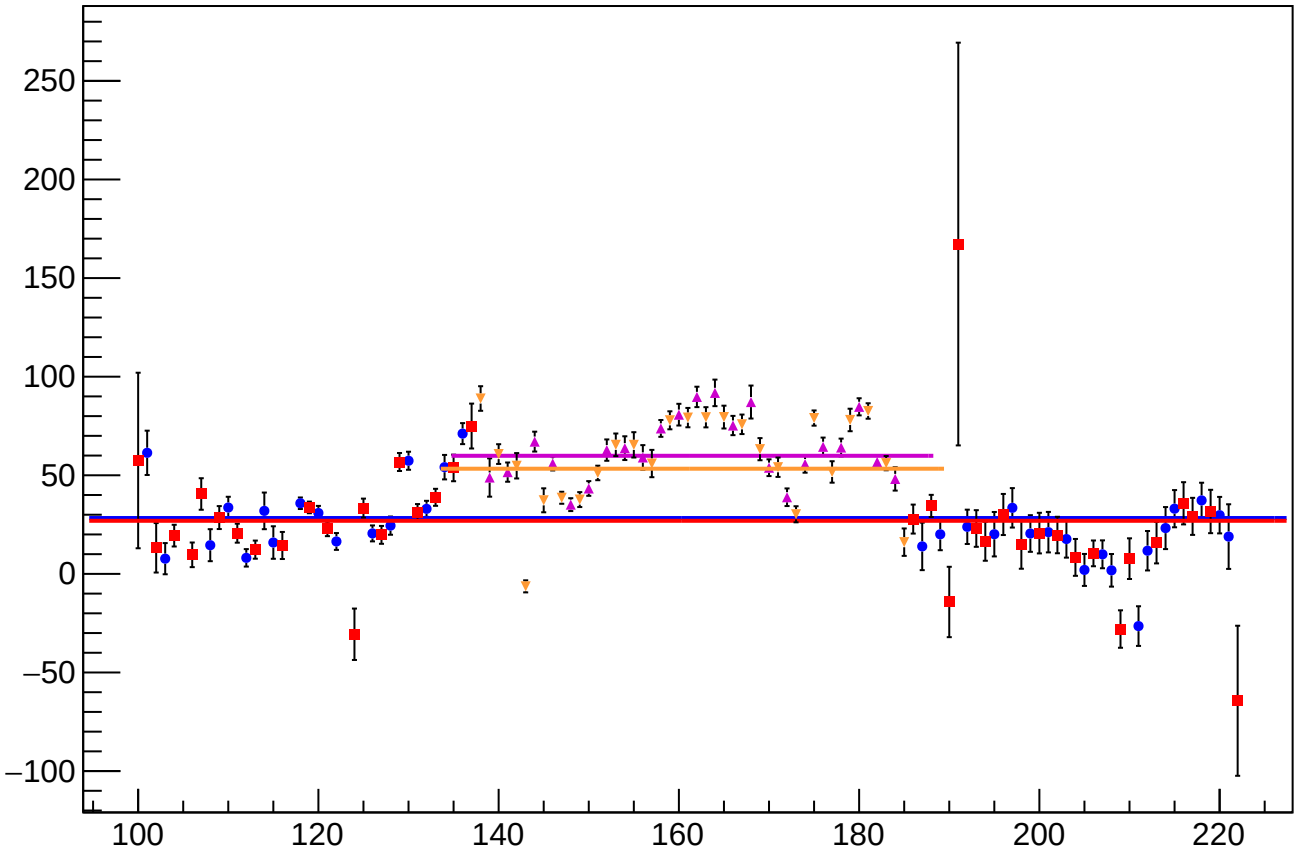
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.558+/-0.599 χ^2/NDF: 11737.2/71

In: 191.987+/-0.688 χ^2/NDF:6568.2/56

Out: 188.588+/-0.653 χ^2/NDF:13225.2/62

All: 190.198+/-0.474 χ^2/NDF: 19806.2/119



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: 26.926+/-1.052 χ^2/NDF: 212.0/37

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

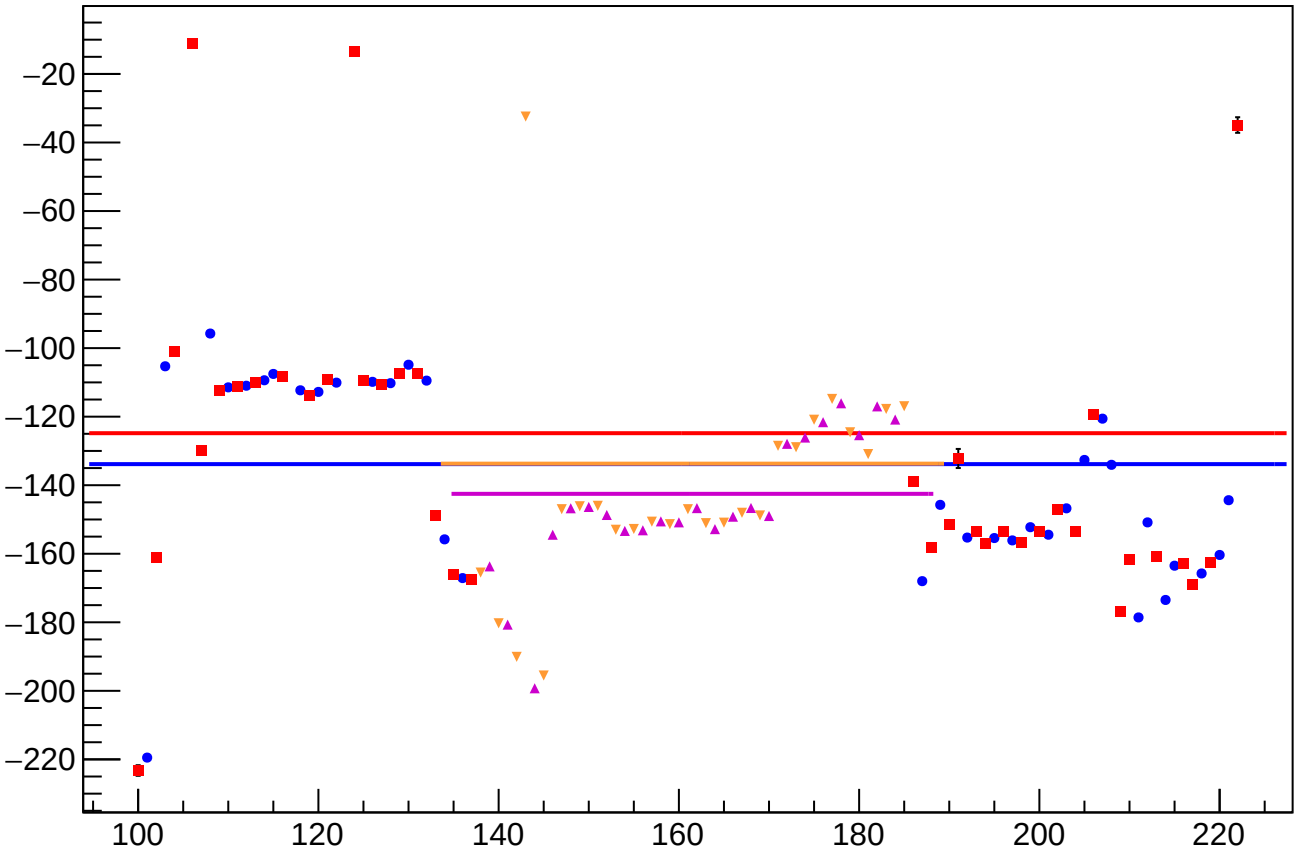
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.615+/-0.749 χ^2/NDF: 465.8/71

In: 45.490+/-0.720 χ^2/NDF:980.3/56

Out: 41.862+/-0.693 χ^2/NDF:1347.4/62

All: 43.606+/-0.499 χ^2/NDF: 2340.9/119



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: -124.820+/-0.057 χ^2/NDF: 537967.8/37

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

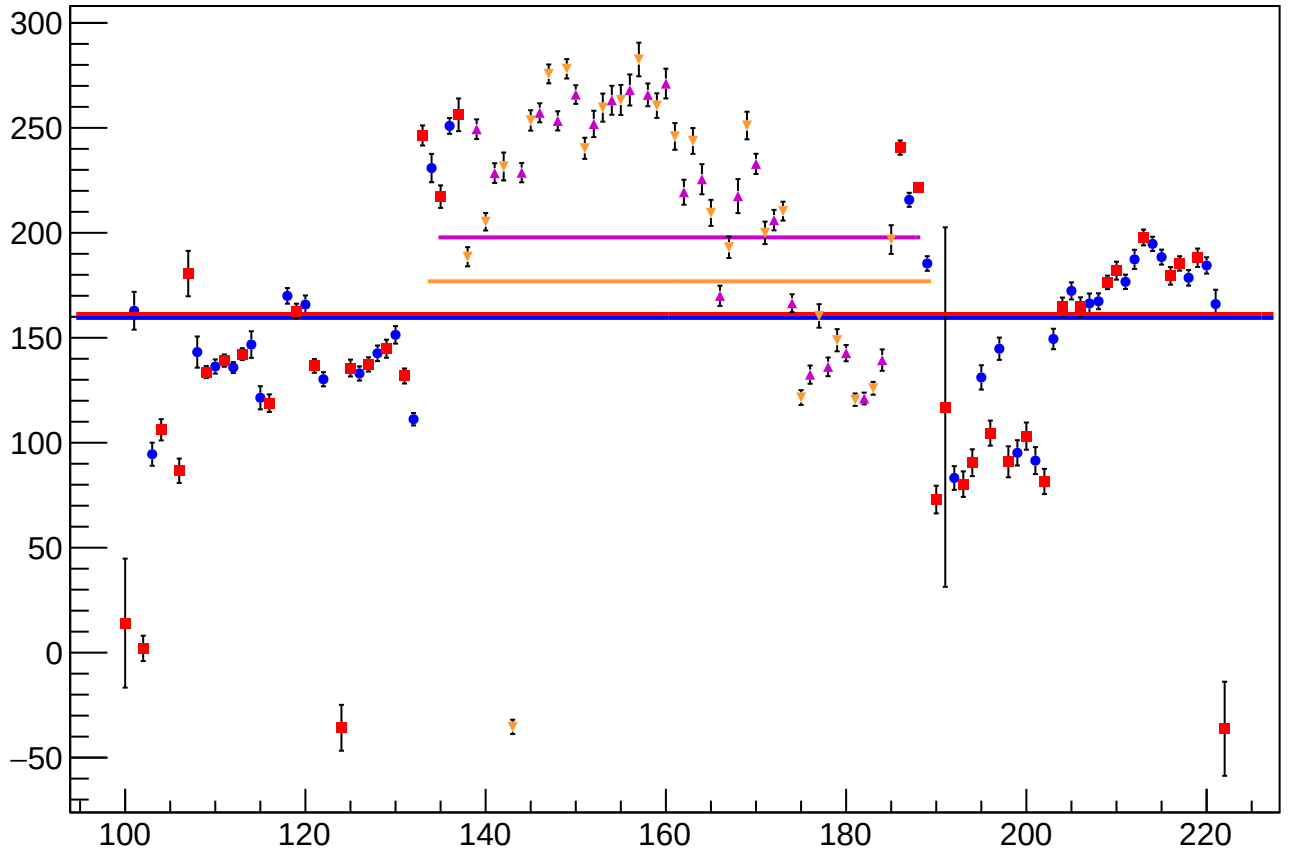
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -129.187+/-0.041 χ^2/NDF: 751845.6/71

In: -139.359+/-0.035 χ^2/NDF:394018.2/56

Out: -130.486+/-0.034 χ^2/NDF:1229511.1/62

All: -134.767+/-0.025 χ^2/NDF: 1656019.9/11



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: 161.343+/-0.678 χ^2/NDF: 5371.3/37

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

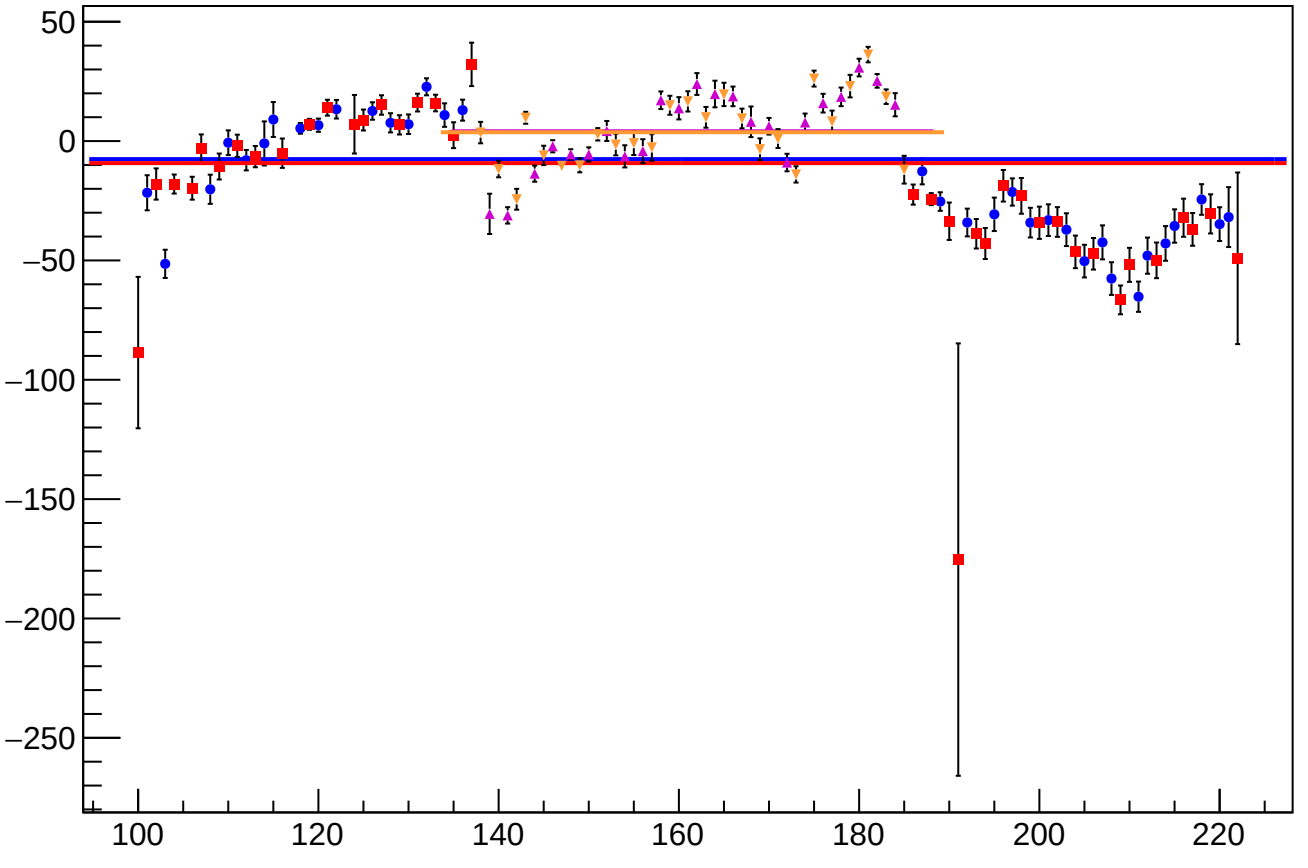
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 160.458+/-0.490 χ^2/NDF: 7937.7/71

In: 172.217+/-0.580 χ^2/NDF:6500.8/56

Out: 166.530+/-0.553 χ^2/NDF:12971.6/62

All: 169.240+/-0.400 χ^2/NDF: 19522.7/119



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: -9.231+/-0.814 χ^2/NDF: 710.0/37

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

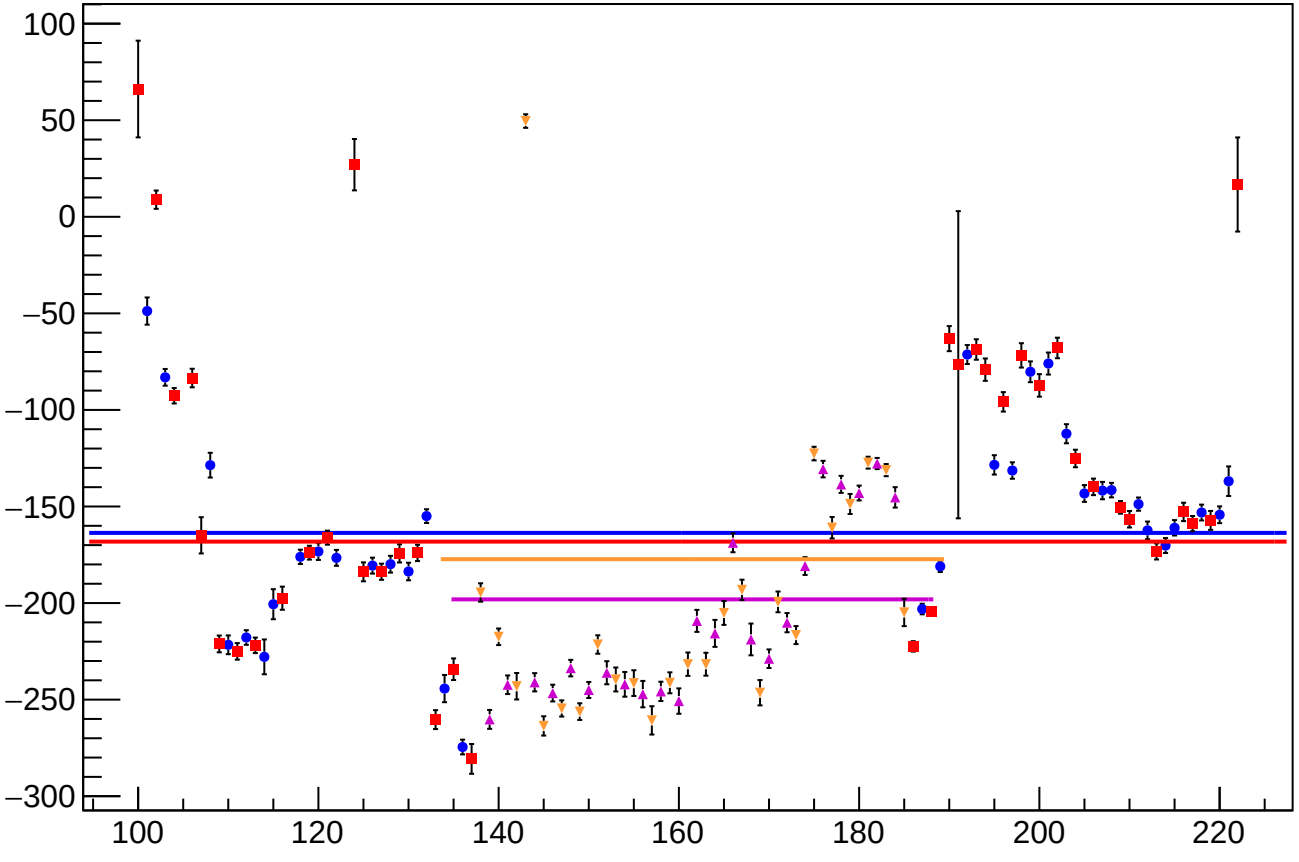
Right: -8.425+/-0.586 χ^2/NDF: 1440.1/71

In: -1.189+/-0.568 χ^2/NDF:1231.4/56

Out: -2.002+/-0.541 χ^2/NDF:1252.2/62

All: -1.616+/-0.392 χ^2/NDF: 2484.6/119

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -163.665+/-0.743 χ^2/NDF: 3533.6/33

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.183+/-0.688 χ^2/NDF: 6774.2/37

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

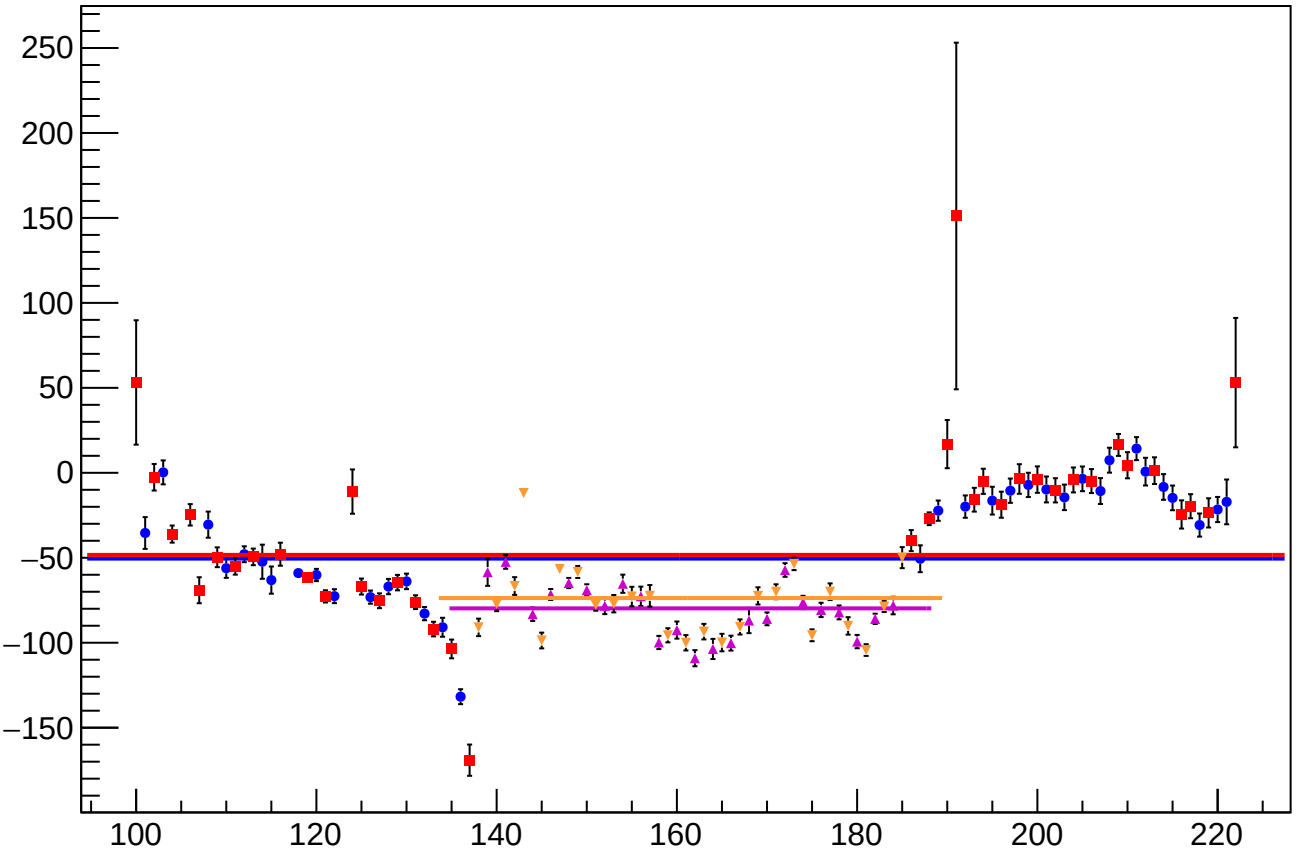
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.099+/-0.505 χ^2/NDF: 10327.6/71

In: -175.918+/-0.597 χ^2/NDF:6682.9/56

Out: -171.288+/-0.558 χ^2/NDF:13873.9/62

All: -173.450+/-0.408 χ^2/NDF: 20588.8/119



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: -48.300+/-0.959 χ^2/NDF: 1154.1/37

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

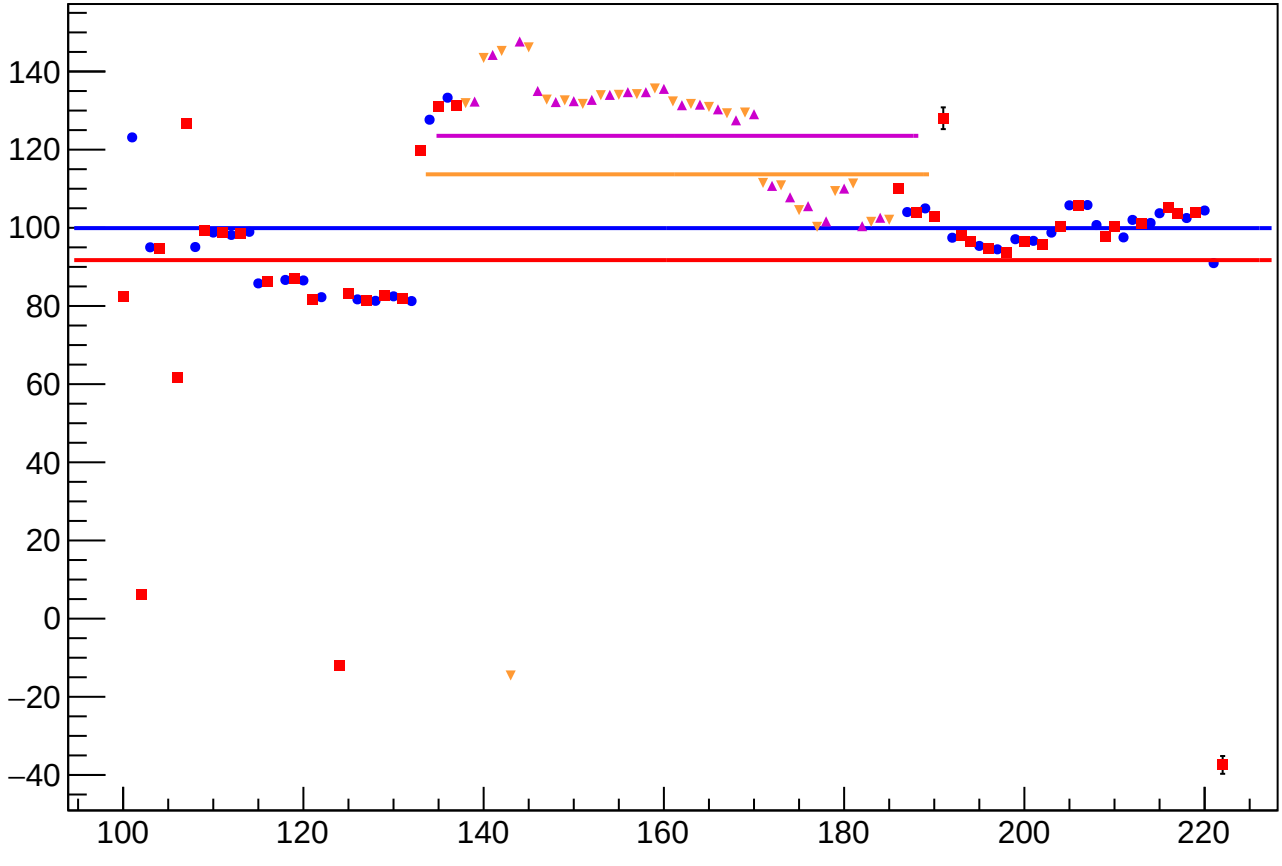
Right: -49.372+/-0.685 χ^2/NDF: 2312.6/71

In: -66.759+/-0.651 χ^2/NDF:1932.3/56

Out: -62.849+/-0.627 χ^2/NDF:2395.2/62

All: -64.730+/-0.452 χ^2/NDF: 4346.2/119

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 91.736+/-0.048 χ^2/NDF: 294946.6/37

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

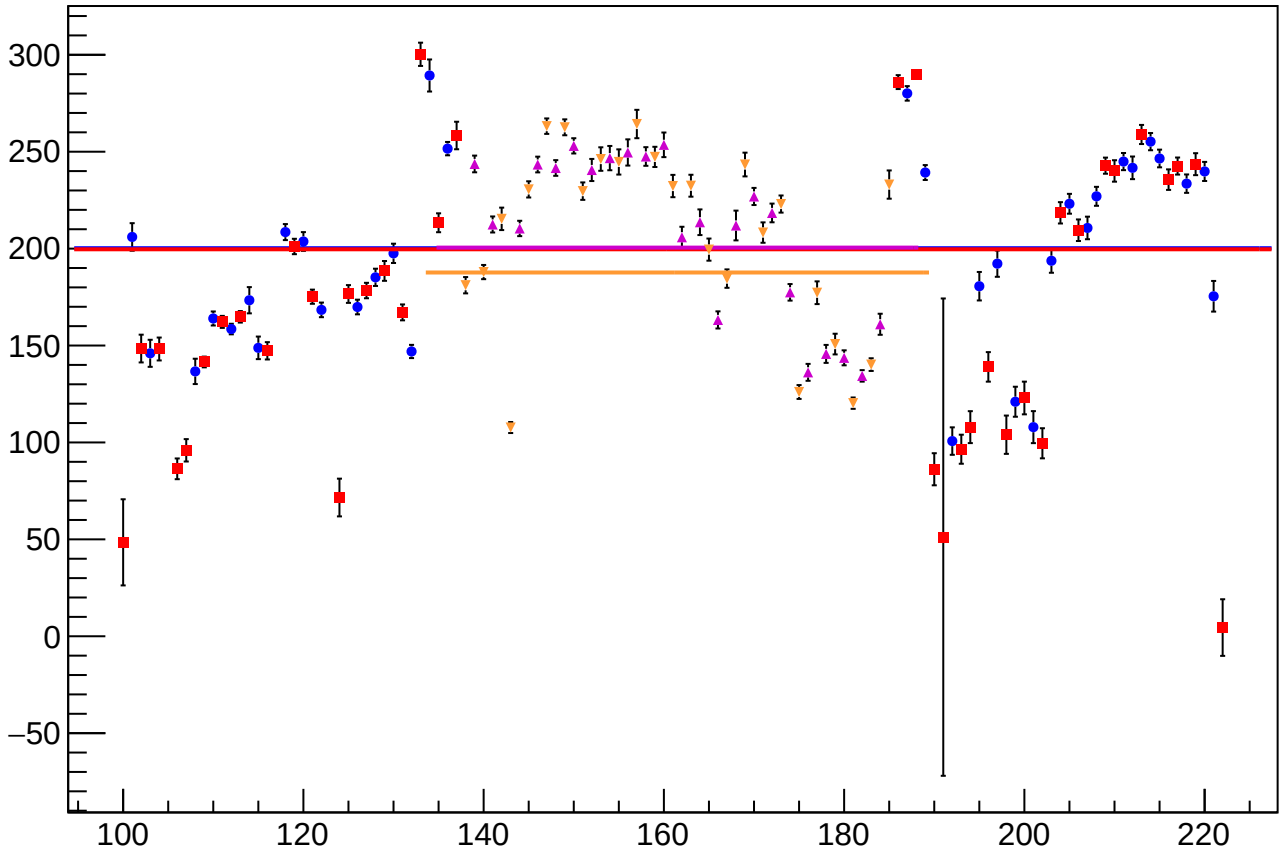
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 95.648+/-0.035 χ^2/NDF: 379112.7/71

In: 114.570+/-0.031 χ^2/NDF:340076.7/56

Out: 105.227+/-0.030 χ^2/NDF:1384319.0/62

All: 109.726+/-0.022 χ^2/NDF: 1770883.8/119



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.655+/-0.763 χ^2/NDF: 6760.9/37

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

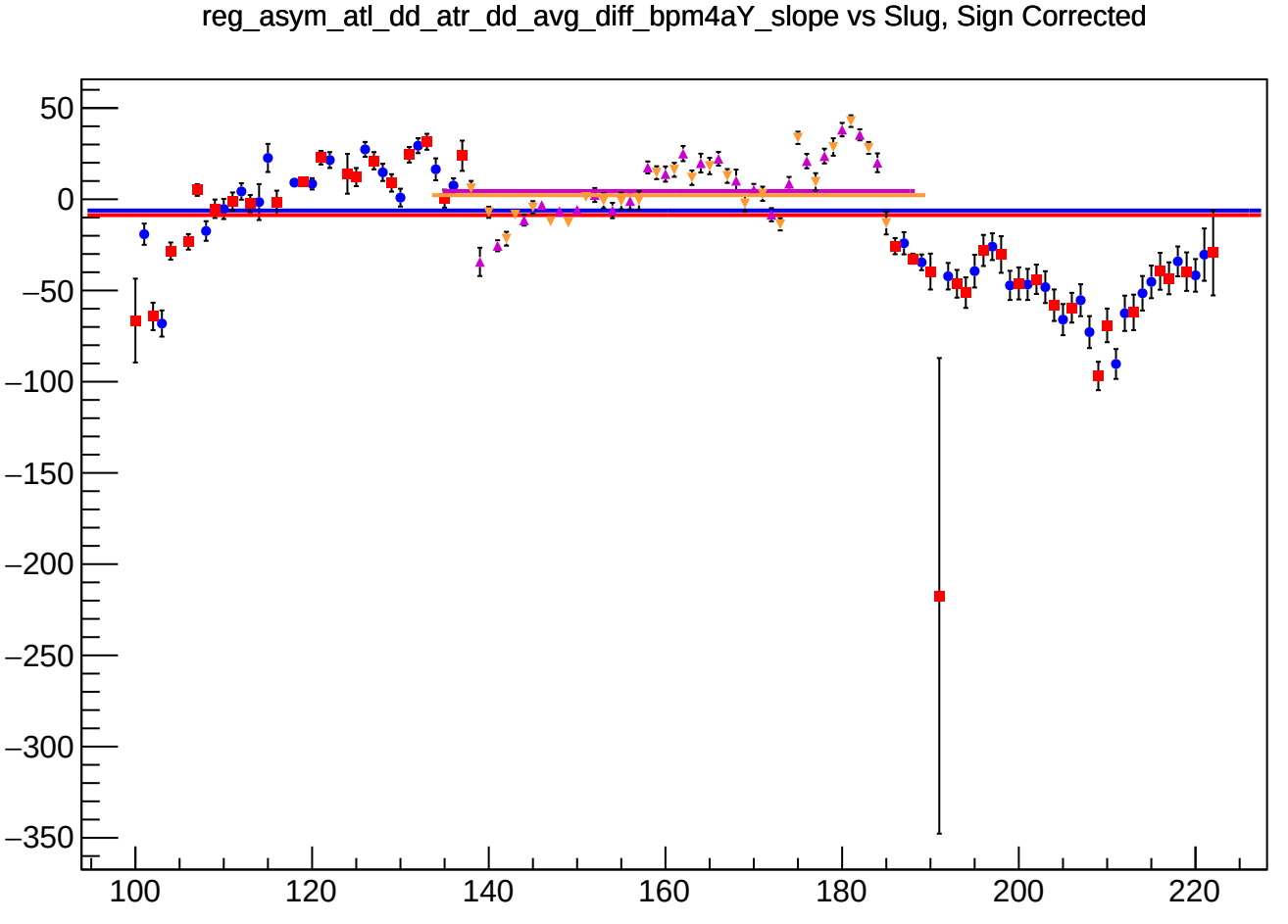
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.913+/-0.558 χ^2/NDF: 9656.8/71

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.633+/-0.581 χ^2/NDF:10392.5/62

All: 197.295+/-0.425 χ^2/NDF: 15444.7/119



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: -8.669+/-0.890 χ^2/NDF: 981.5/37

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

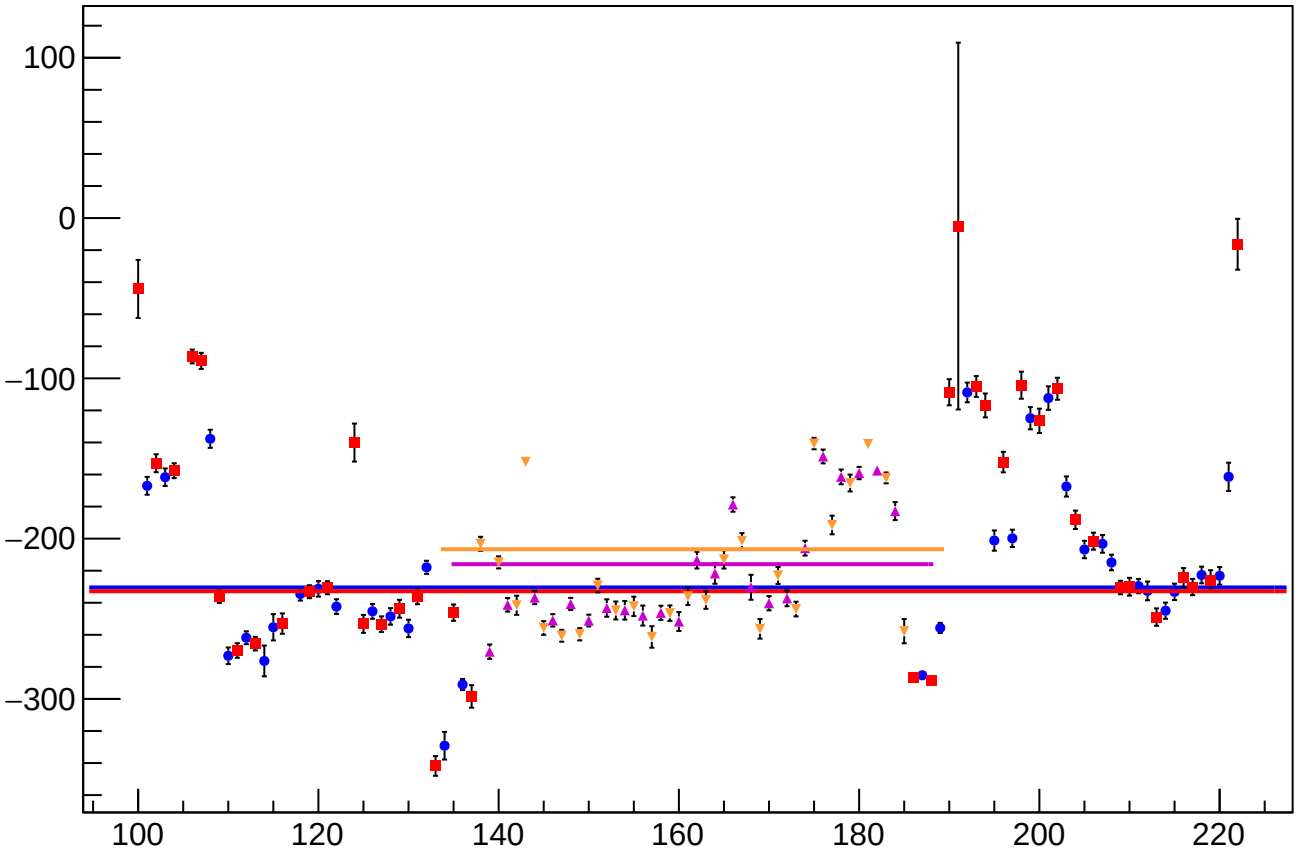
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.500+/-0.650 χ^2/NDF: 1898.1/71

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.664+/-0.532 χ^2/NDF:1679.0/62

All: -0.578+/-0.390 χ^2/NDF: 3228.3/119



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -232.821+/-0.776 χ^2/NDF: 6858.7/37

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

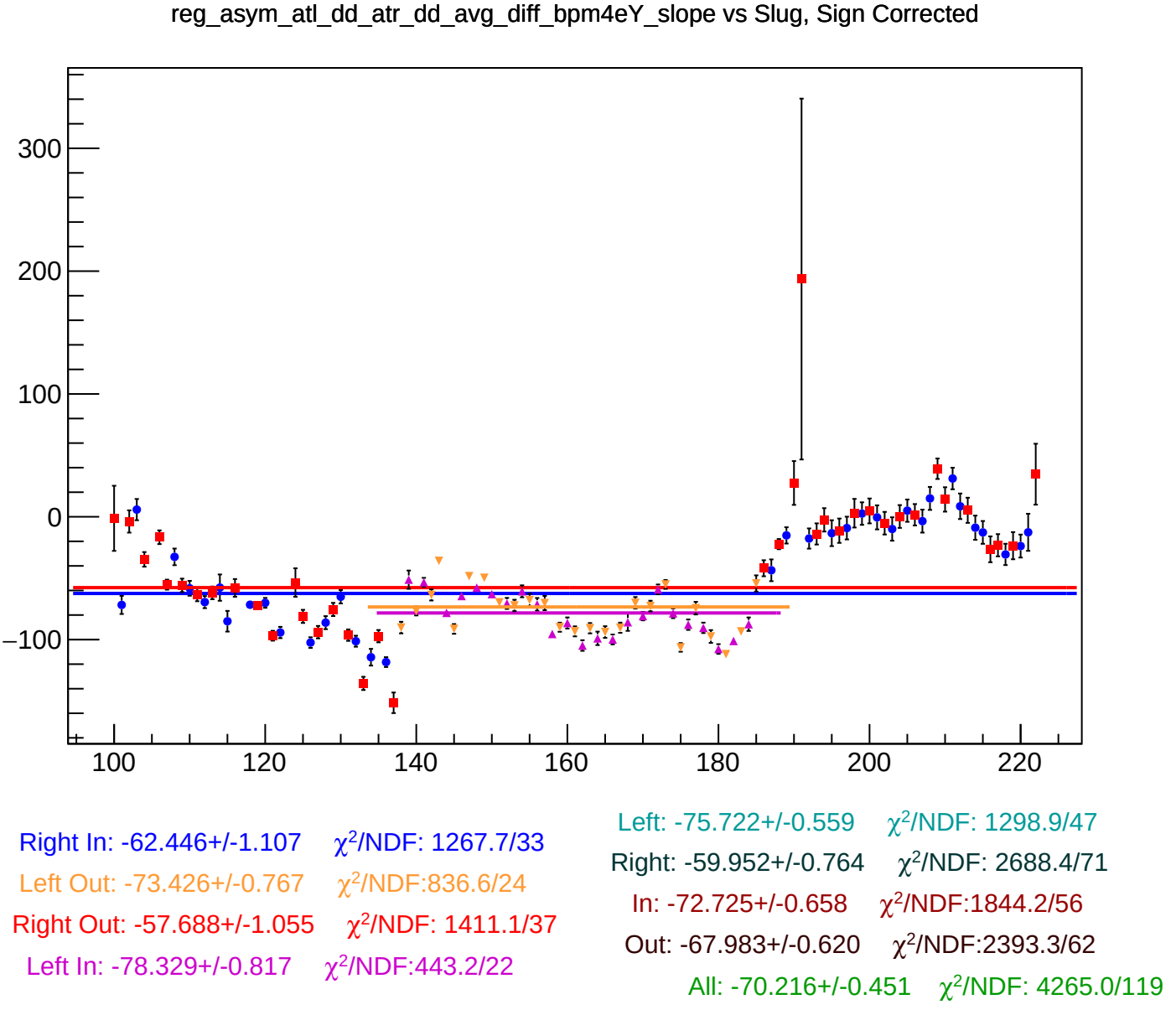
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -231.763+/-0.577 χ^2/NDF: 9620.3/71

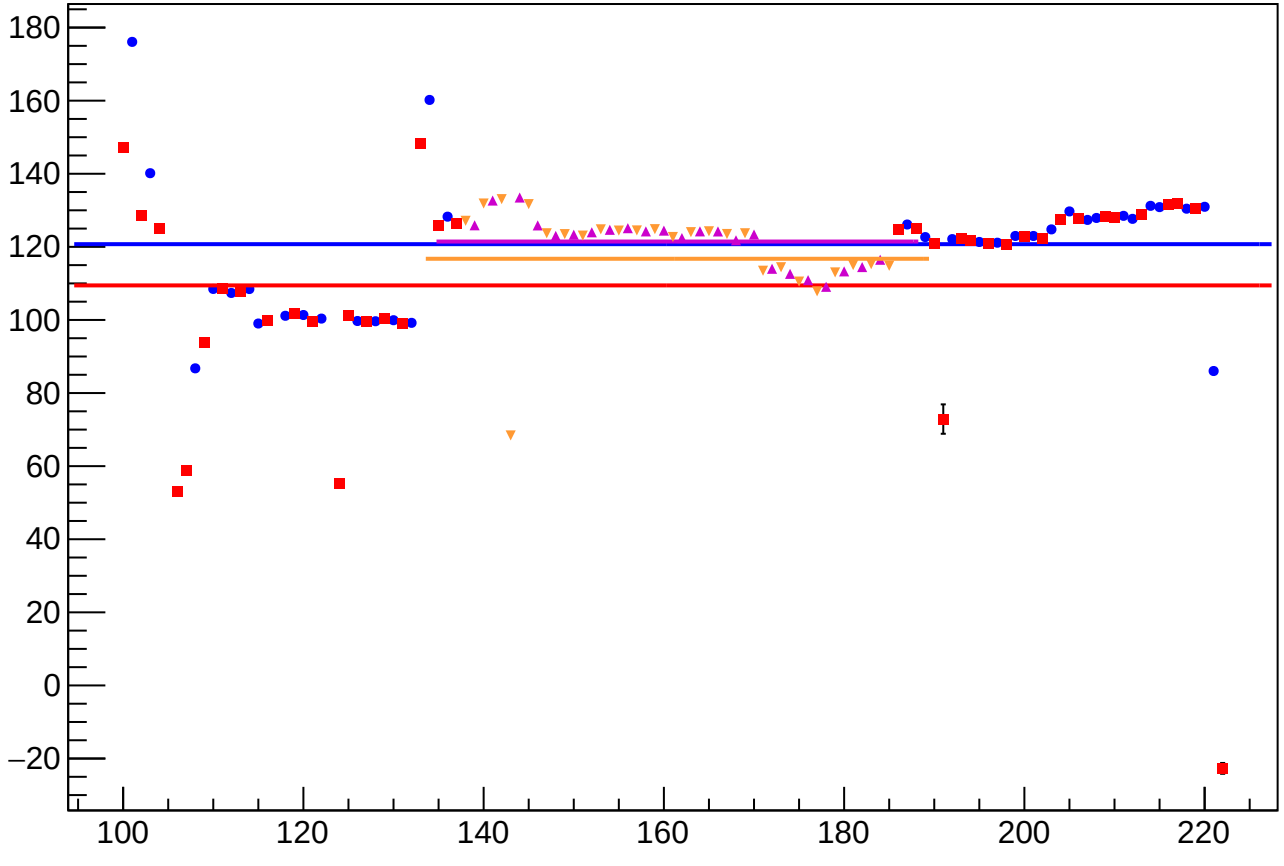
In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.566+/-0.586 χ^2/NDF:9815.8/62

All: -222.627+/-0.431 χ^2/NDF: 14421.2/119


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
220
Right In: -62.446+/-1.107 χ2/NDF: 1267.7/33
Left Out: -73.426+/-0.767 χ2/NDF:836.6/24
Right Out: -57.688+/-1.055 χ2/NDF: 1411.1/37
Left In: -78.329+/-0.817 χ2/NDF:443.2/22
Left: -75.722+/-0.559 χ2/NDF: 1298.9/47
Right: -59.952+/-0.764 χ2/NDF: 2688.4/71
In: -72.725+/-0.658 χ2/NDF:1844.2/56
Out: -67.983+/-0.620 χ2/NDF:2393.3/62
All: -70.216+/-0.451 χ2/NDF: 4265.0/119

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.453+/-0.054 χ^2/NDF: 225835.9/37

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

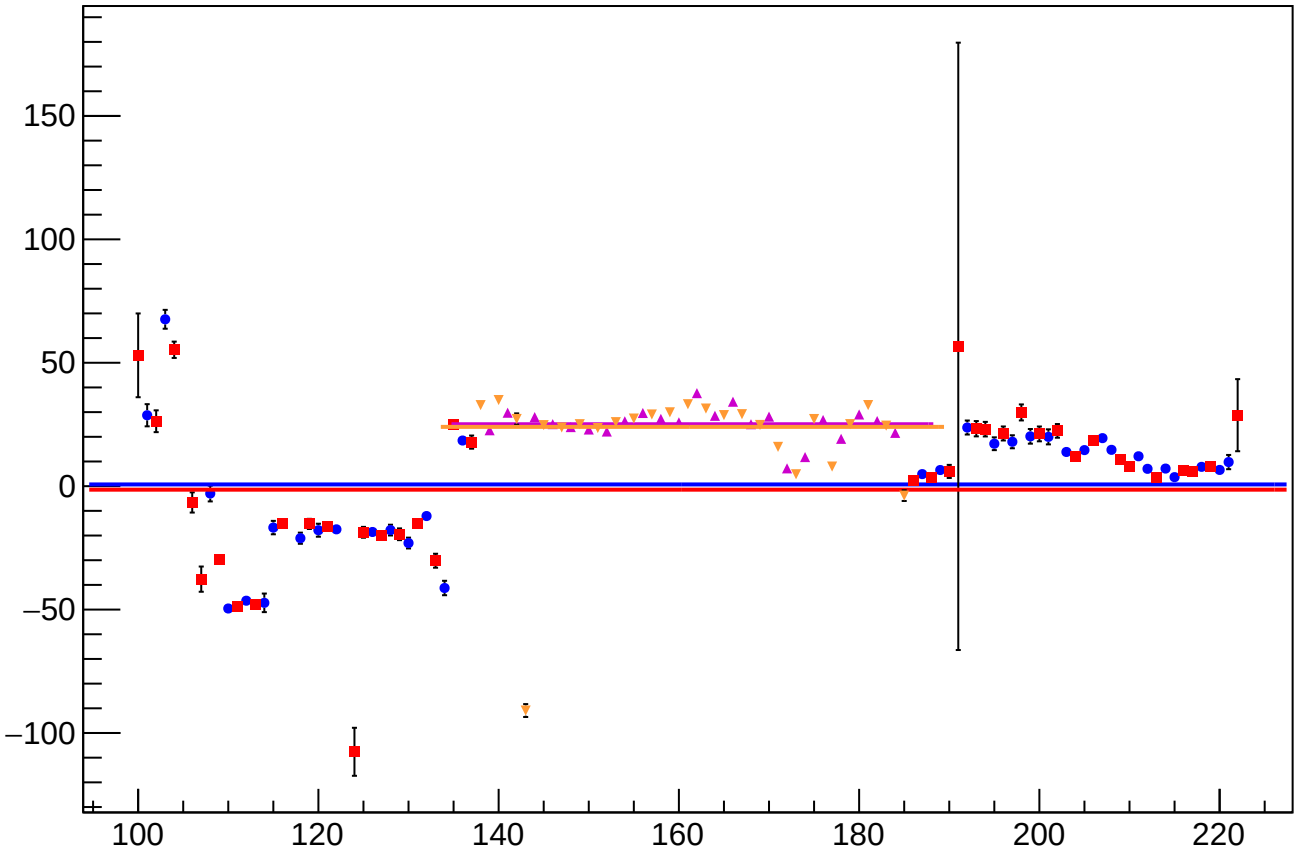
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.672+/-0.040 χ^2/NDF: 347934.1/71

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.523+/-0.030 χ^2/NDF:442082.2/62

All: 117.716+/-0.022 χ^2/NDF: 597067.5/119



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: -1.418+/-0.331 χ^2/NDF: 3974.7/37

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

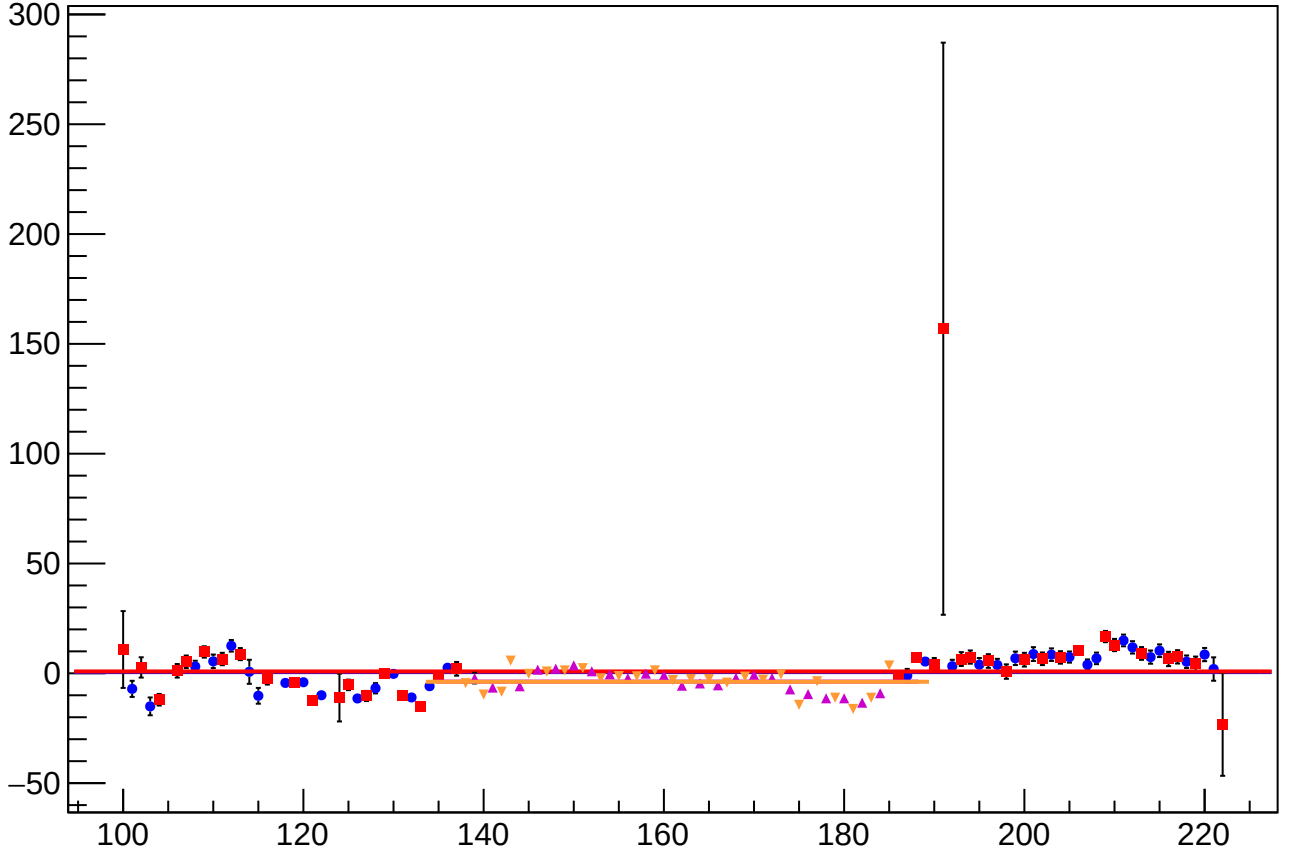
Right: -0.377+/-0.236 χ^2/NDF: 7751.5/71

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.340+/-0.215 χ^2/NDF:10195.0/62

All: 14.080+/-0.153 χ^2/NDF: 17499.2/119

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: 0.845+/-0.417 χ^2/NDF: 365.7/37

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

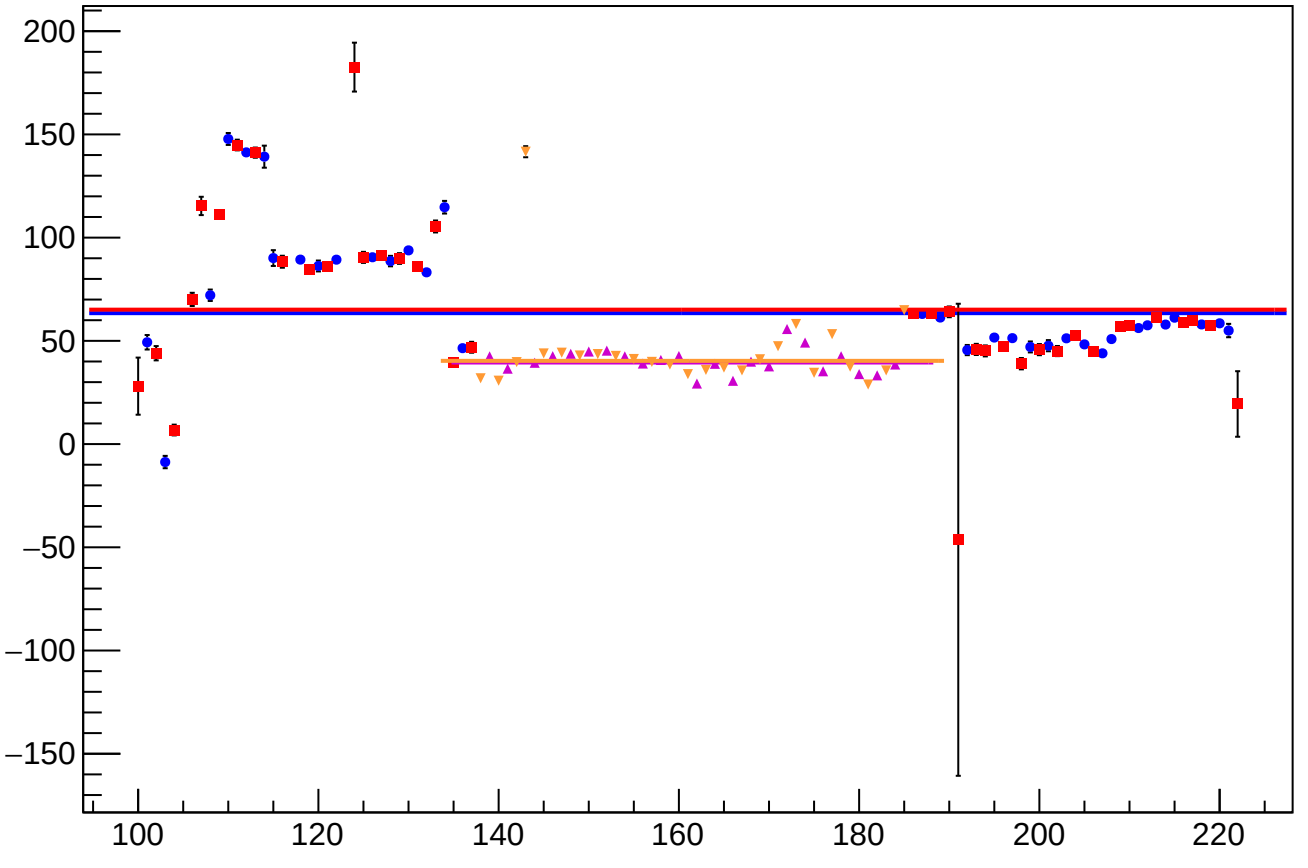
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.702+/-0.298 χ^2/NDF: 662.7/71

In: -2.842+/-0.198 χ^2/NDF:888.0/56

Out: -2.838+/-0.193 χ^2/NDF:1114.6/62

All: -2.840+/-0.138 χ^2/NDF: 2002.6/119



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: 65.110+/-0.335 χ^2/NDF: 4881.1/37

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

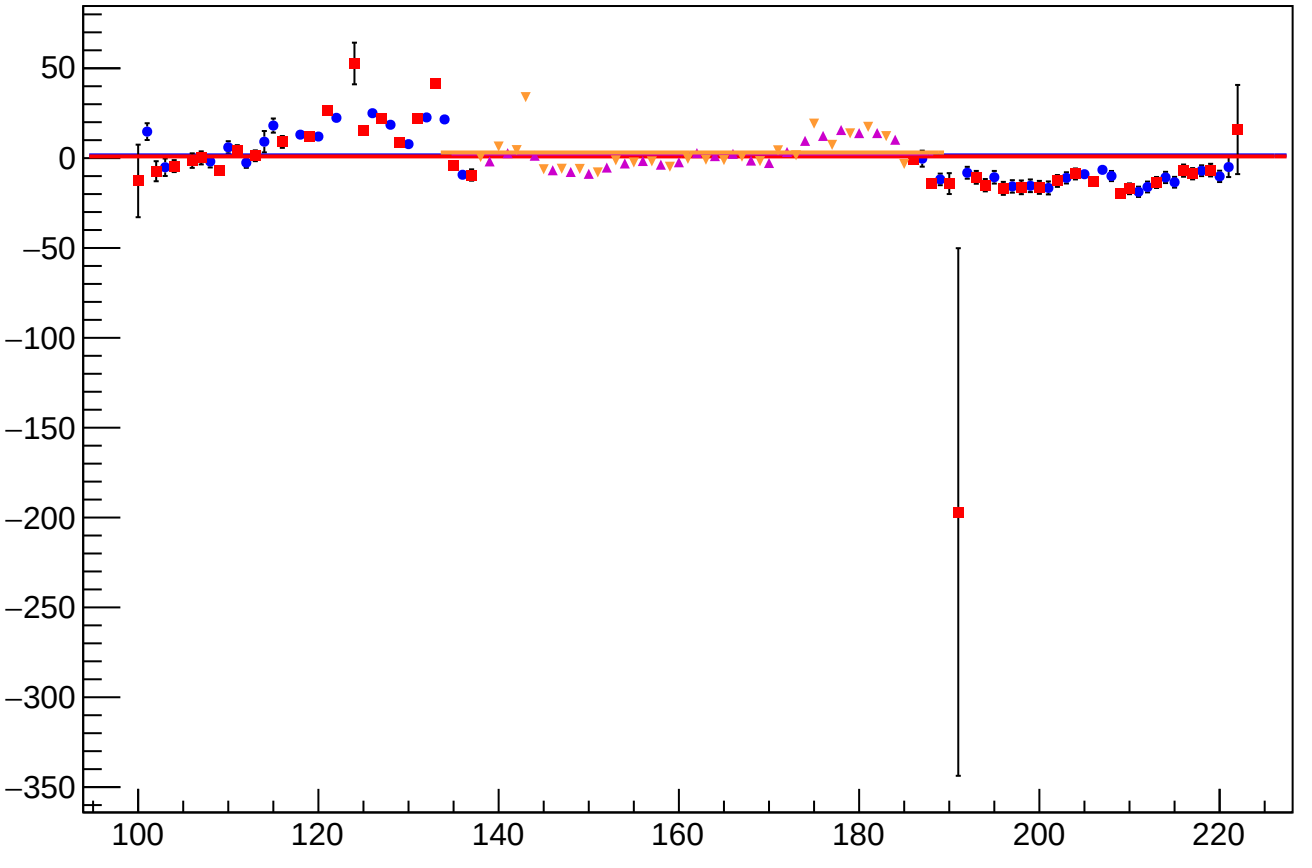
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.298+/-0.242 χ^2/NDF: 9596.7/71

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.511+/-0.215 χ^2/NDF:10285.0/62

All: 49.779+/-0.154 χ^2/NDF: 18245.8/119



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: 0.949+/-0.485 χ^2/NDF: 1047.4/37

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

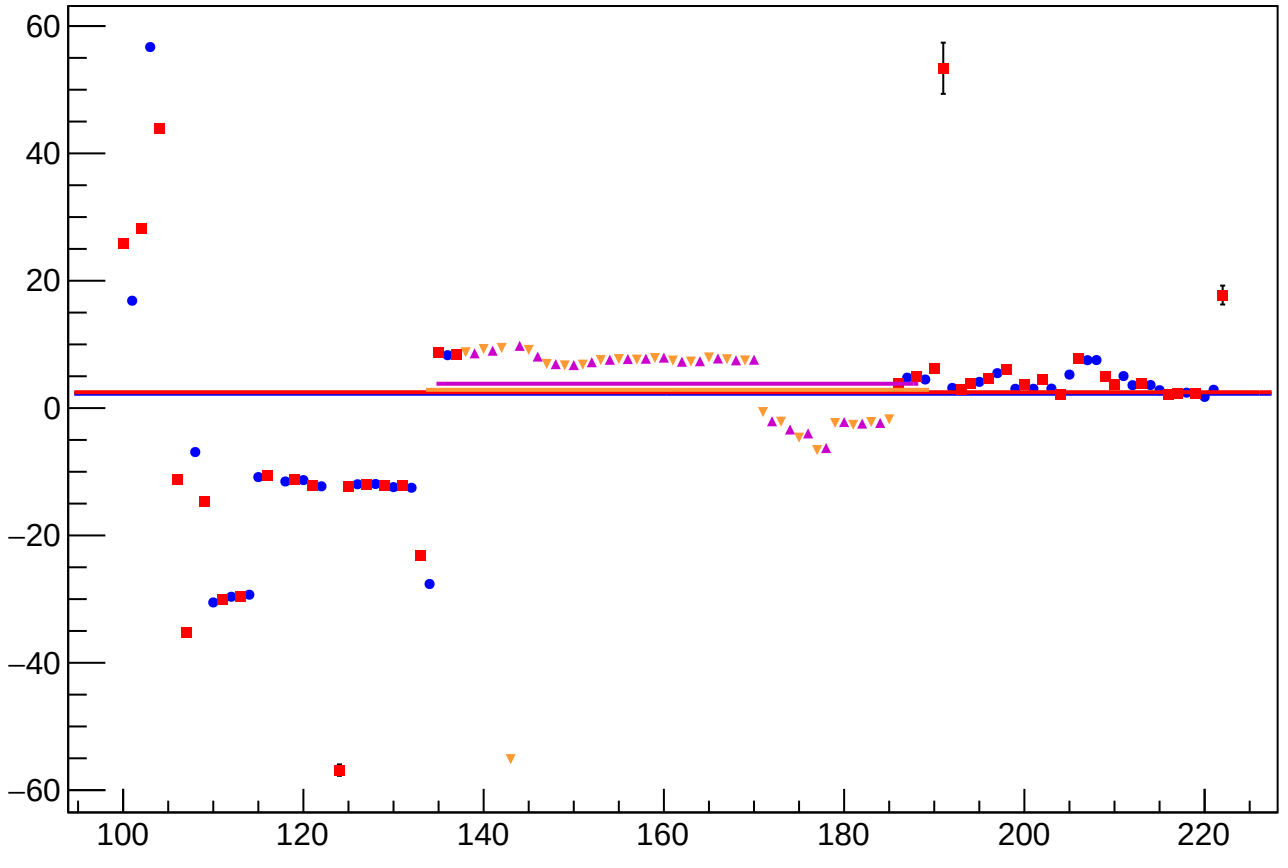
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.246+/-0.342 χ^2/NDF: 1923.0/71

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.695+/-0.219 χ^2/NDF:2330.7/62

All: 2.505+/-0.156 χ^2/NDF: 4178.5/119



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: 2.491+/-0.023 χ^2/NDF: 330869.0/37

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

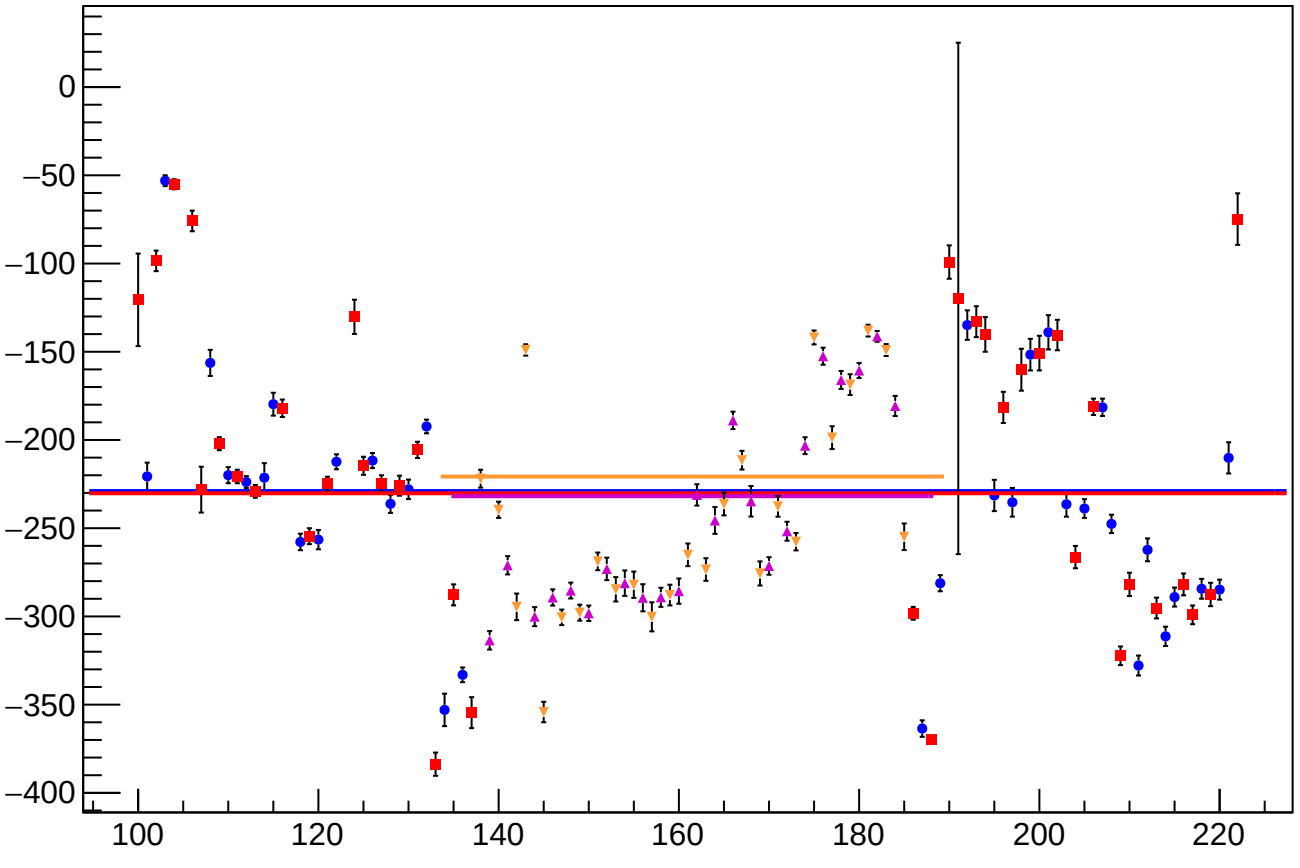
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.370+/-0.016 χ^2/NDF: 713947.6/71

In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.802+/-0.010 χ^2/NDF:843414.5/62

All: 3.164+/-0.007 χ^2/NDF: 1466097.5/119



Right In: -228.965+/-0.912 χ^2/NDF: 6679.4/33

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -230.200+/-0.859 χ^2/NDF: 11267.1/37

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

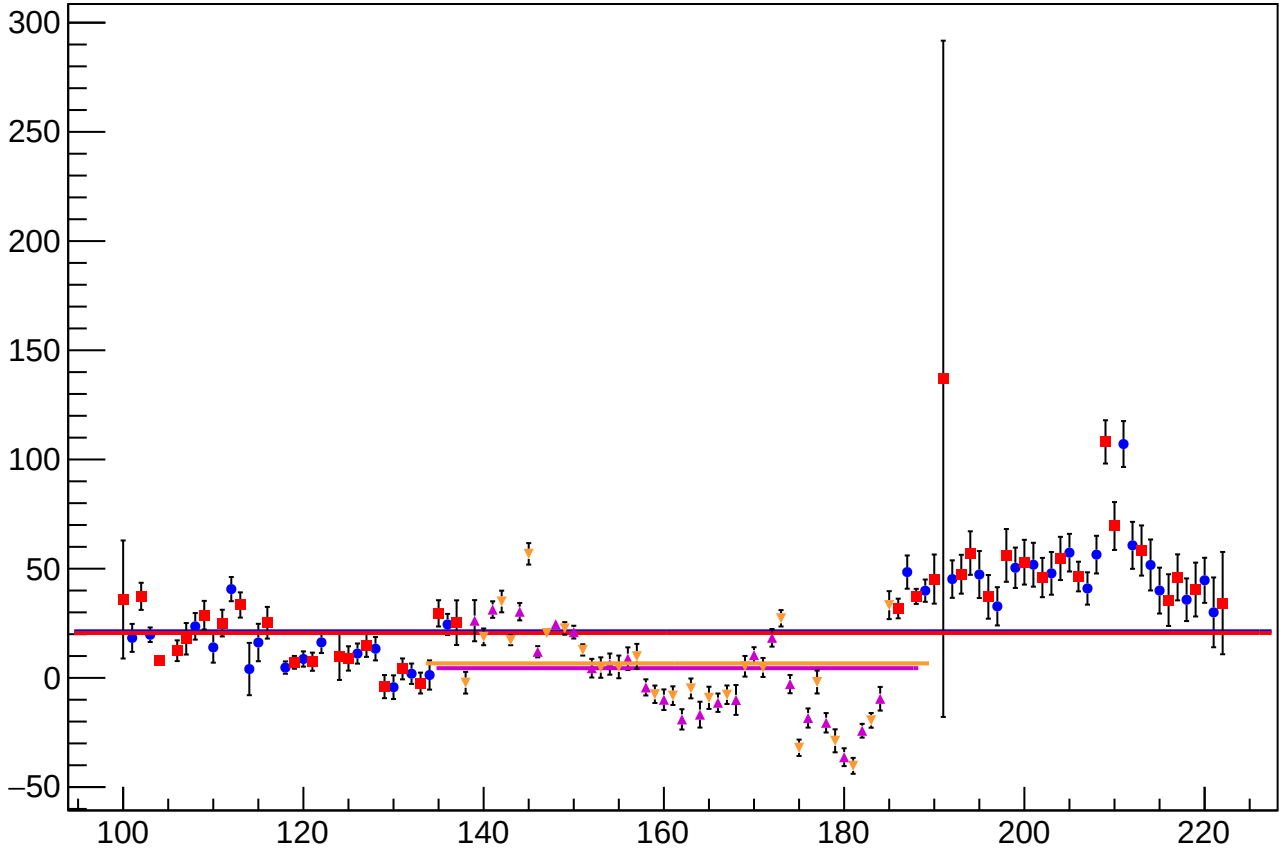
Right: -229.619+/-0.625 χ^2/NDF: 17947.5/71

In: -230.178+/-0.696 χ^2/NDF:9844.0/56

Out: -226.259+/-0.657 χ^2/NDF:15370.0/62

All: -228.105+/-0.478 χ^2/NDF: 25230.7/119

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: 20.547+/-0.962 χ^2/NDF: 377.5/37

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

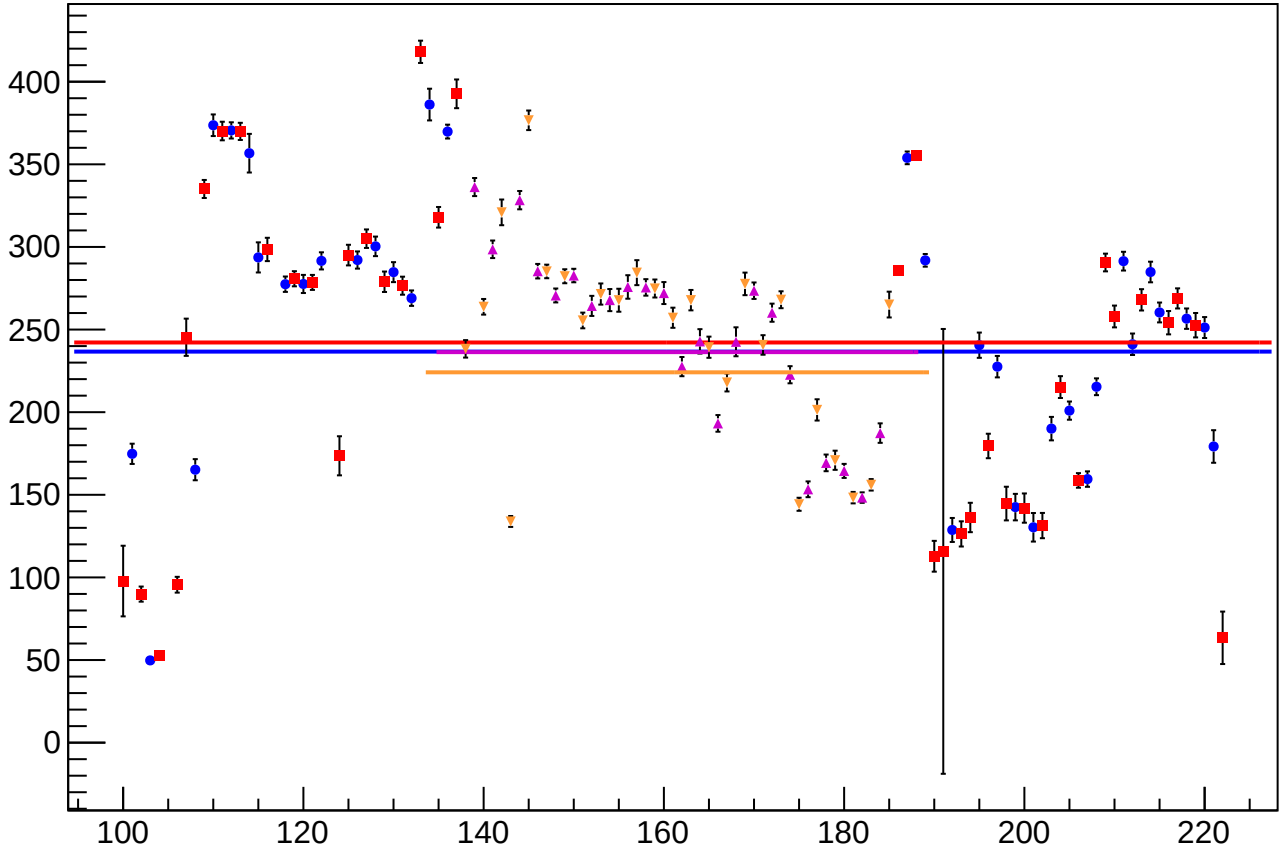
Right: 20.902+/-0.708 χ^2/NDF: 705.5/71

In: 10.758+/-0.639 χ^2/NDF:1058.3/56

Out: 11.919+/-0.593 χ^2/NDF:1242.0/62

All: 11.382+/-0.434 χ^2/NDF: 2302.2/119

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 236.656+/-0.928 χ^2/NDF: 11643.9/33

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.183+/-0.848 χ^2/NDF: 17229.4/37

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

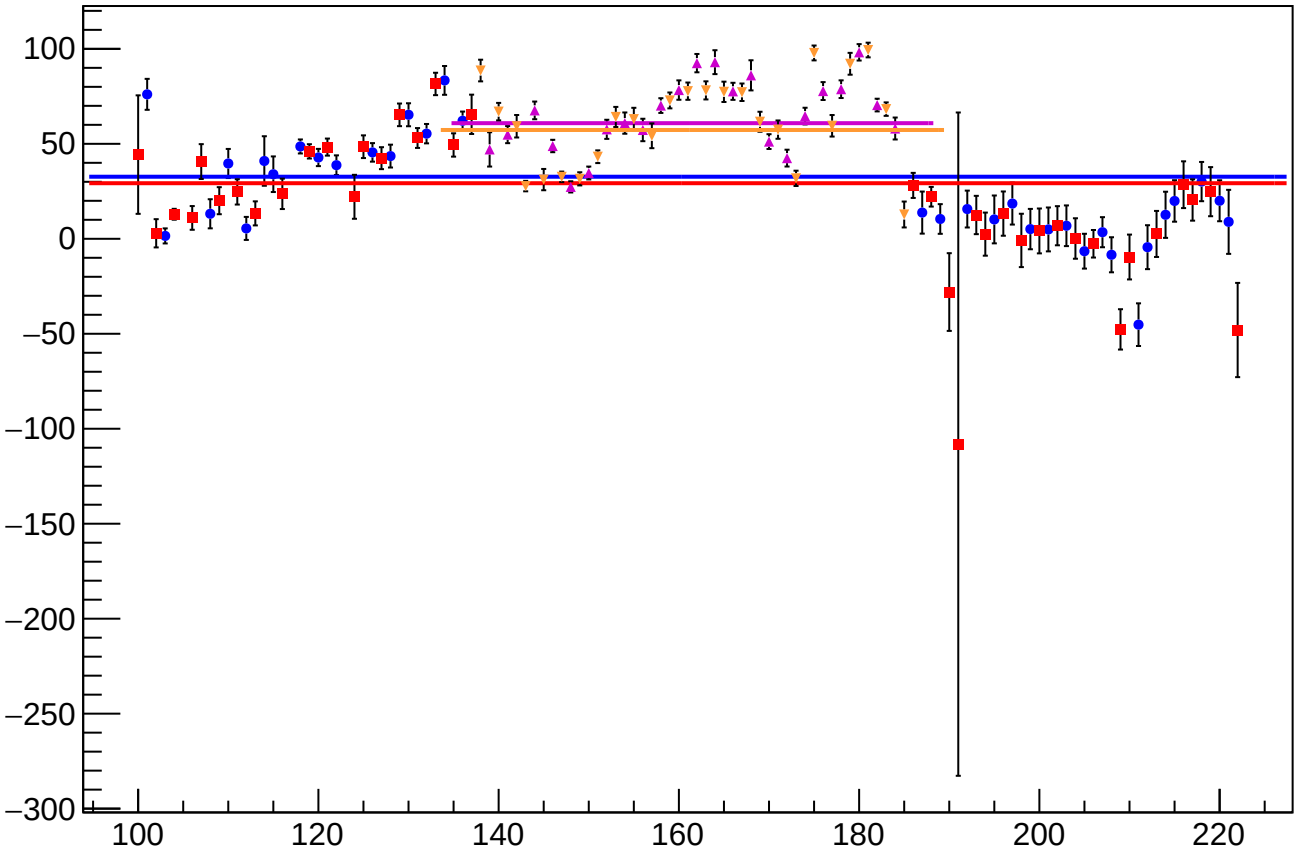
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.669+/-0.626 χ^2/NDF: 28892.7/71

In: 236.521+/-0.700 χ^2/NDF:14636.9/56

Out: 234.750+/-0.650 χ^2/NDF:21382.9/62

All: 235.570+/-0.476 χ^2/NDF: 36023.2/119



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: 29.264+/-1.148 χ^2/NDF: 417.0/37

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

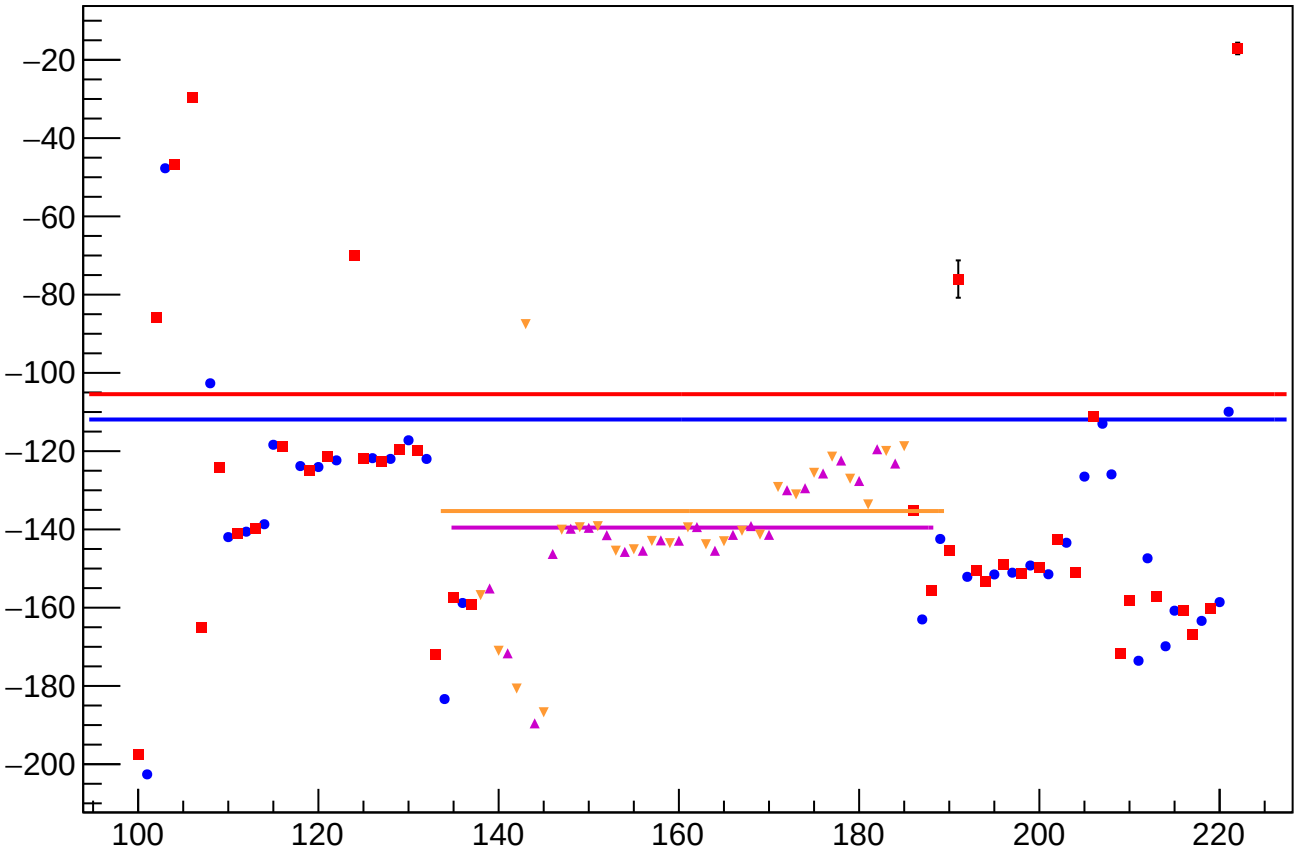
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 30.876+/-0.834 χ^2/NDF: 859.7/71

In: 50.556+/-0.735 χ^2/NDF:1235.2/56

Out: 47.091+/-0.692 χ^2/NDF:1564.2/62

All: 48.721+/-0.504 χ^2/NDF: 2811.1/119



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: -105.439+/-0.055 χ^2/NDF: 780863.8/37

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

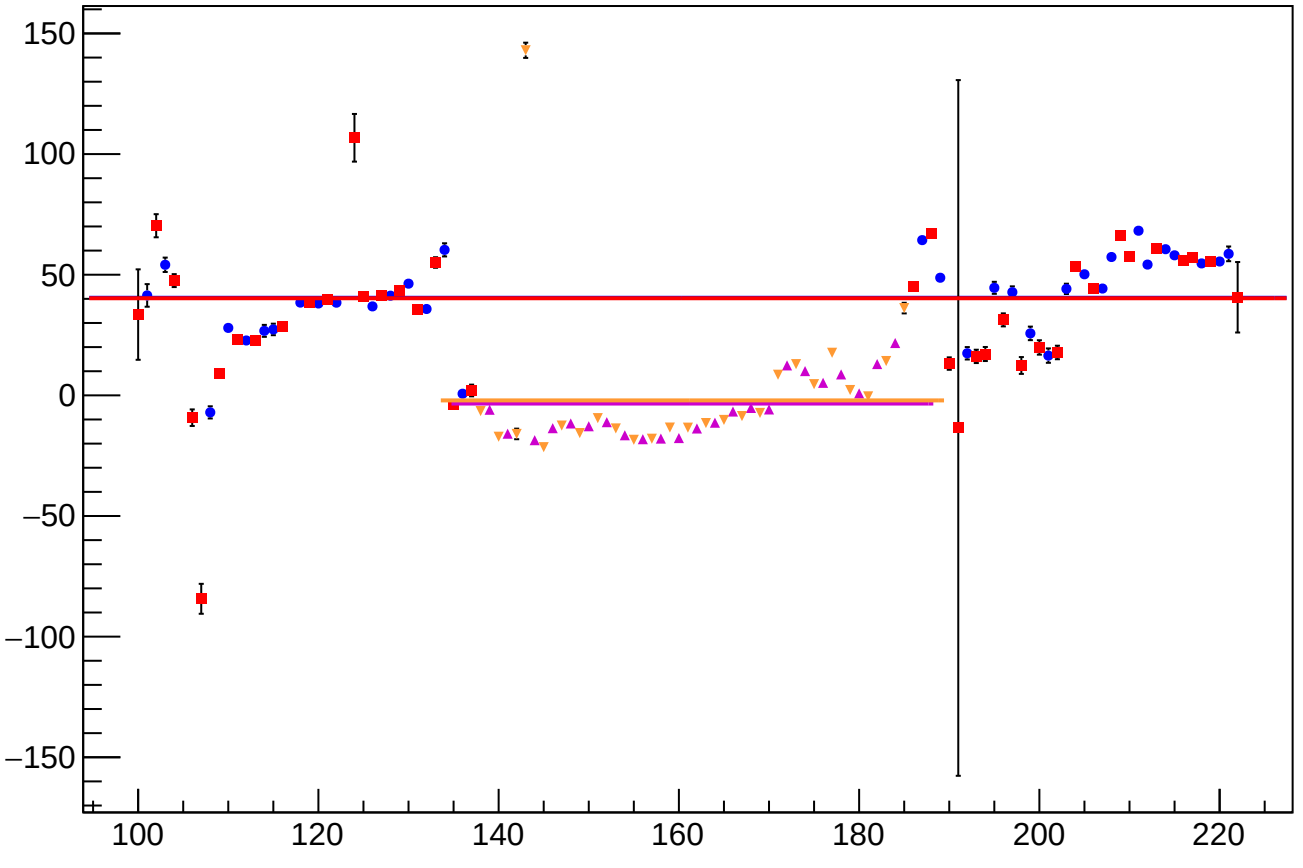
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -108.579+/-0.039 χ^2/NDF: 1500999.1/71

In: -129.690+/-0.034 χ^2/NDF:981215.3/56

Out: -124.770+/-0.033 χ^2/NDF:1234858.5/62

All: -127.145+/-0.023 χ^2/NDF: 2227044.7/11



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: 5579.2/37

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

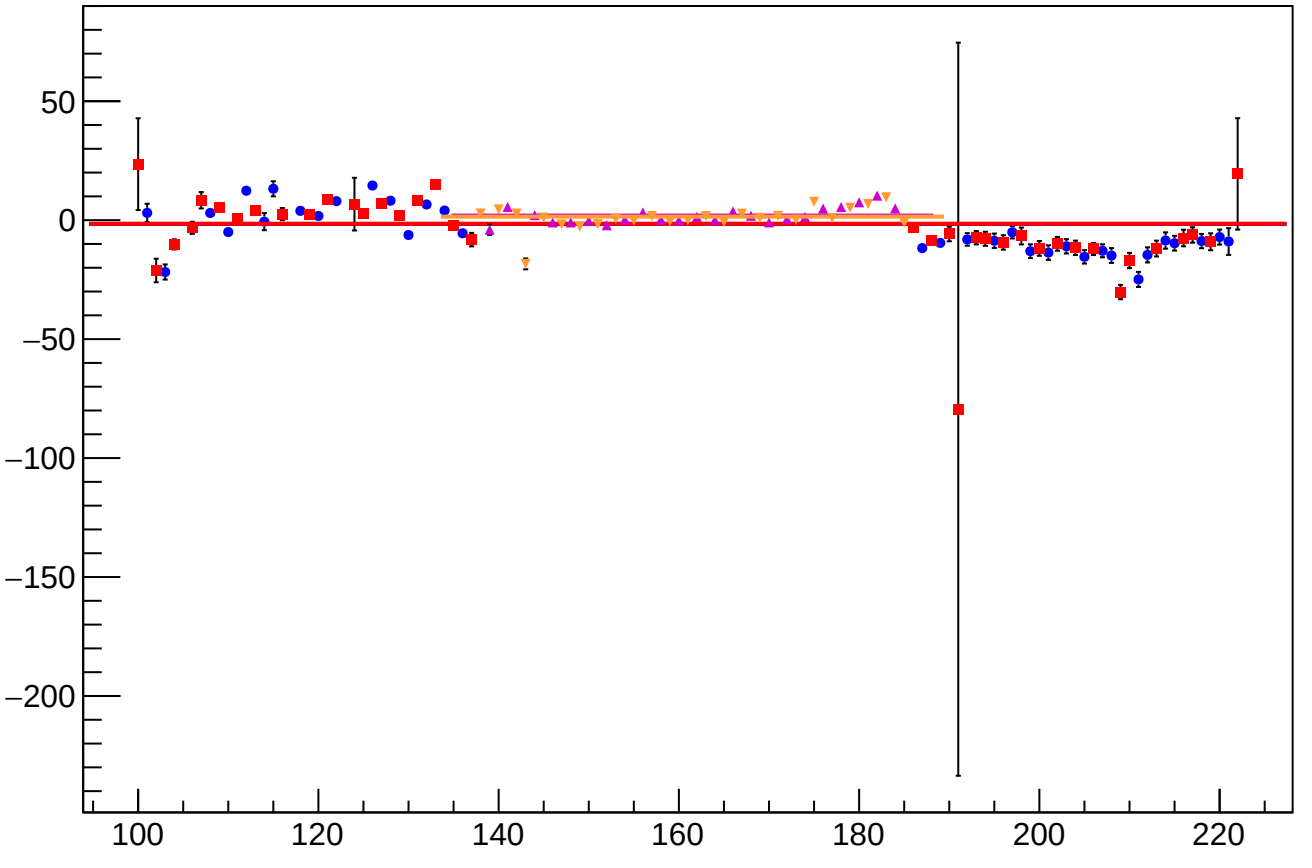
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 40.338+/-0.207 χ^2/NDF: 9083.3/71

In: 15.989+/-0.203 χ^2/NDF:16798.6/56

Out: 17.873+/-0.194 χ^2/NDF:21658.0/62

All: 16.972+/-0.140 χ^2/NDF: 38501.7/119



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: -1.523+/-0.346 χ^2/NDF: 549.2/37

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

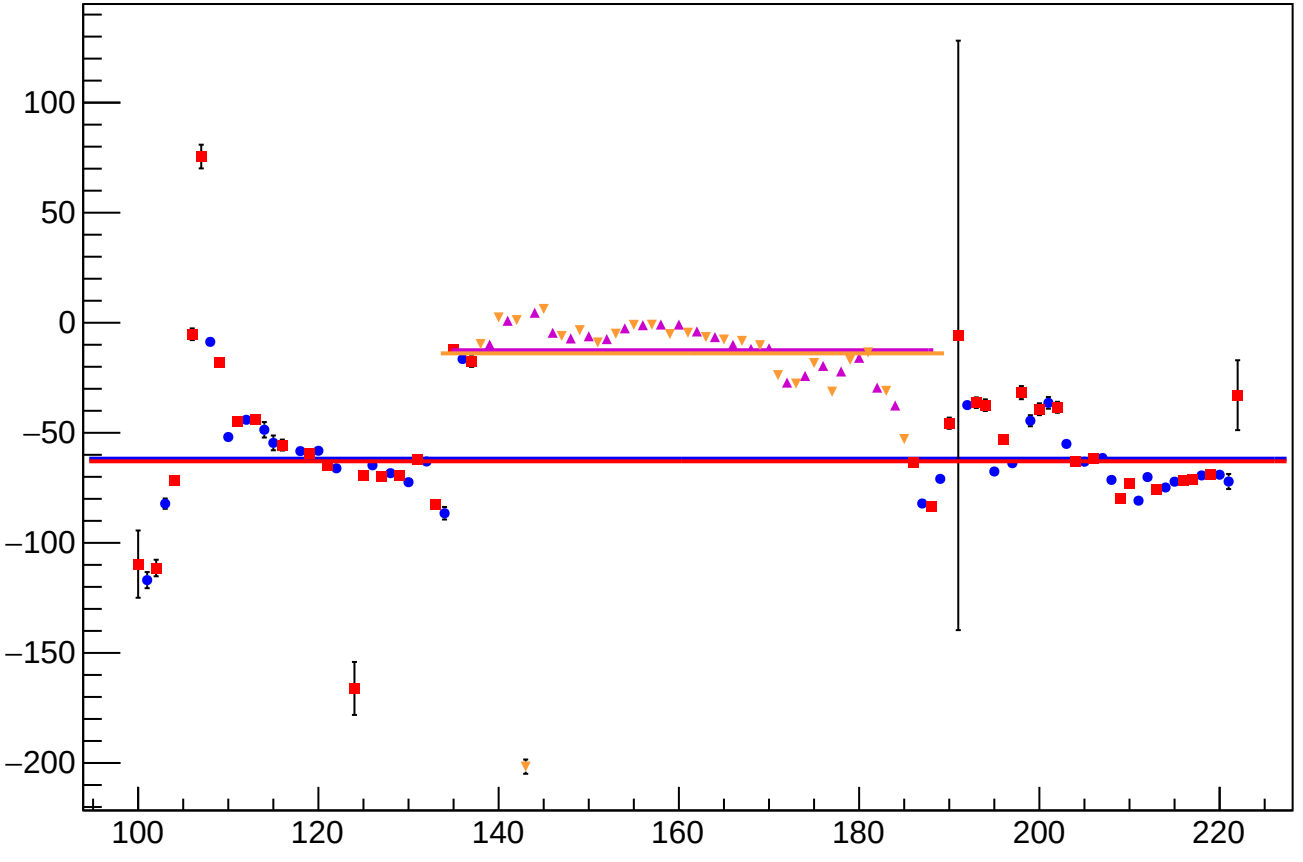
Right: -1.547+/-0.251 χ^2/NDF: 1158.8/71

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.707+/-0.176 χ^2/NDF:933.8/62

All: 0.877+/-0.127 χ^2/NDF: 1855.3/119

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: -62.938+/-0.282 χ^2/NDF: 5725.8/37

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

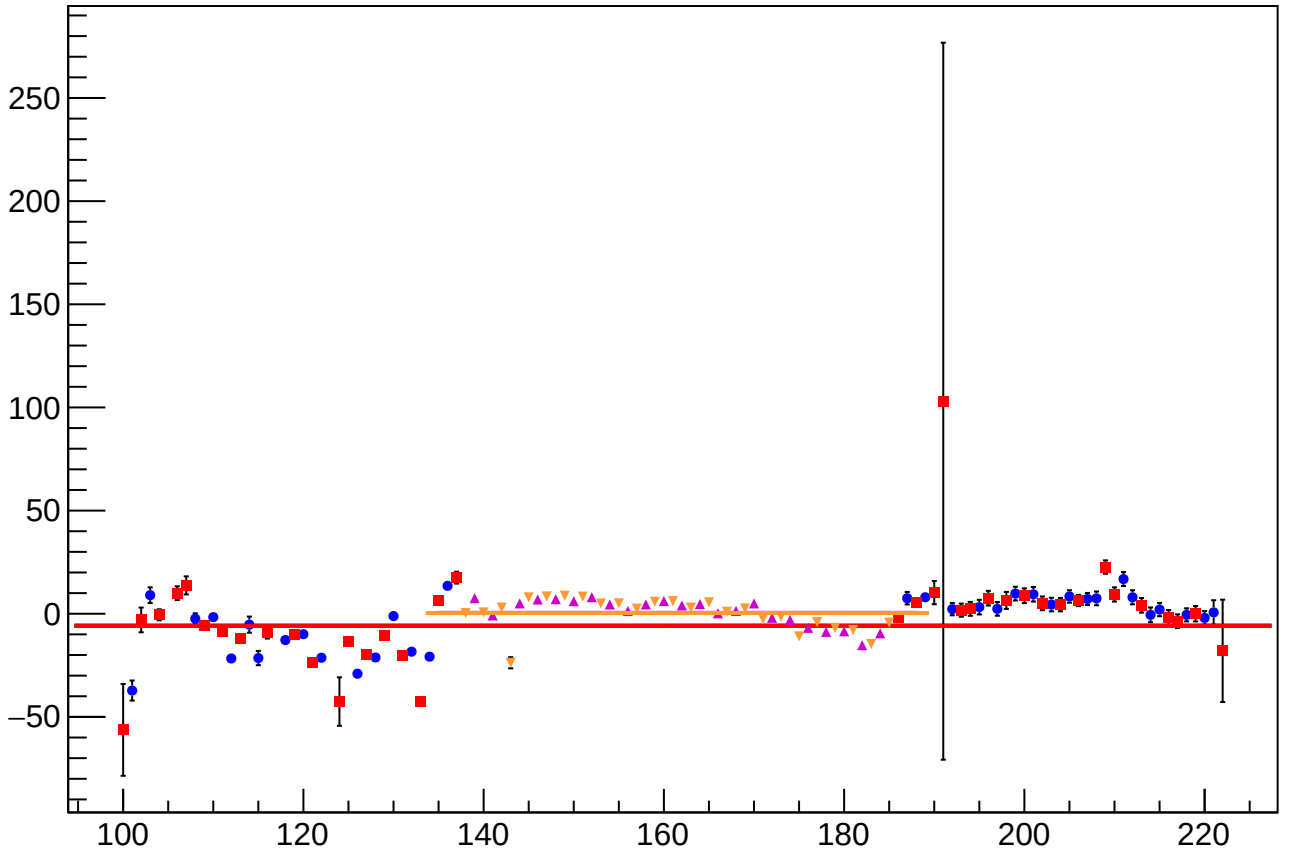
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

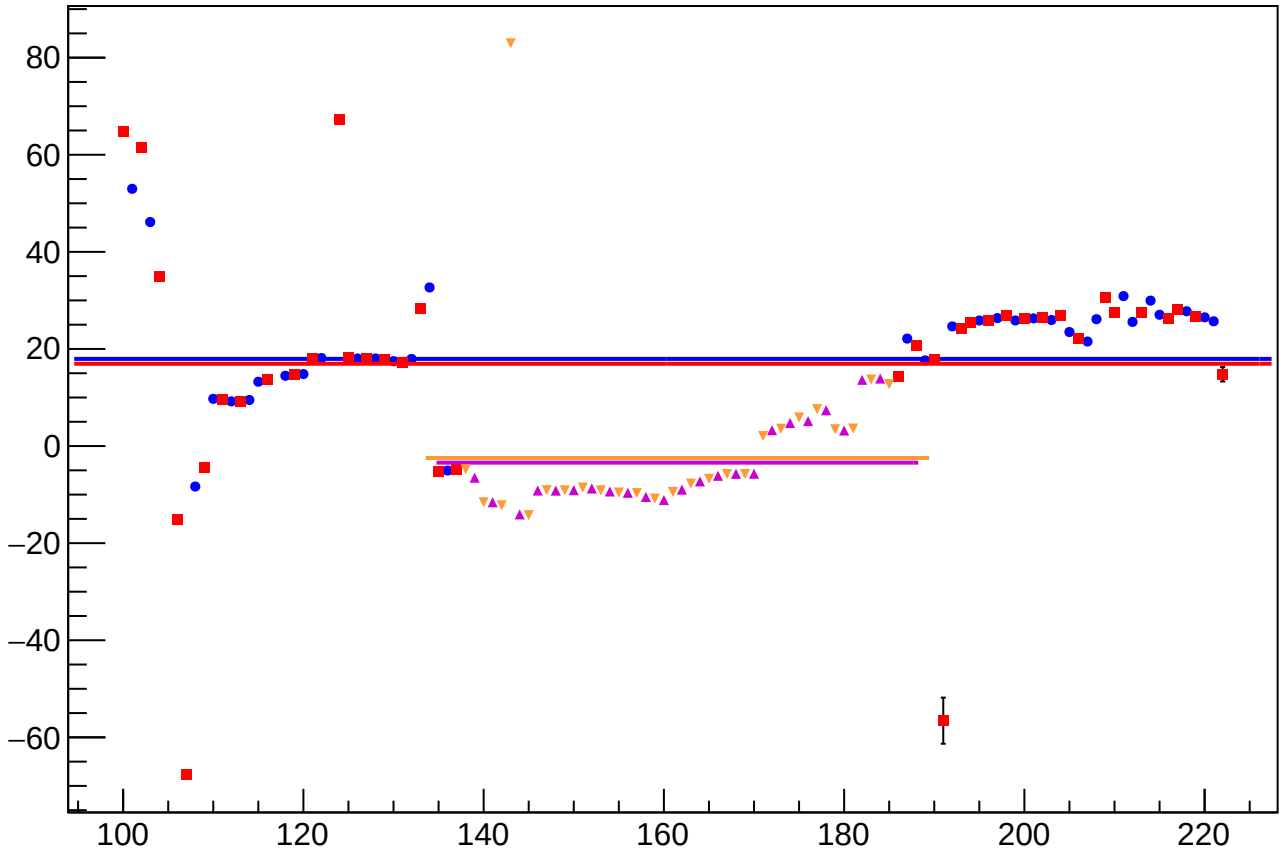
Right: -62.418+/-0.211 χ^2/NDF: 9440.6/71

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.881+/-0.193 χ^2/NDF:26929.5/62

All: -35.073+/-0.141 χ^2/NDF: 46264.4/119


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: -5.715+/-0.421 χ²/NDF: 1015.2/33
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -5.897+/-0.412 χ²/NDF: 1054.7/37
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -5.808+/-0.295 χ²/NDF: 2070.0/71
In: -1.042+/-0.206 χ²/NDF:1959.3/56
Out: -1.149+/-0.202 χ²/NDF:2150.9/62
All: -1.097+/-0.144 χ²/NDF: 4110.3/119



Right In: 17.955+/-0.021 χ^2/NDF: 460714.3/33

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.952+/-0.021 χ^2/NDF: 582898.8/37

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

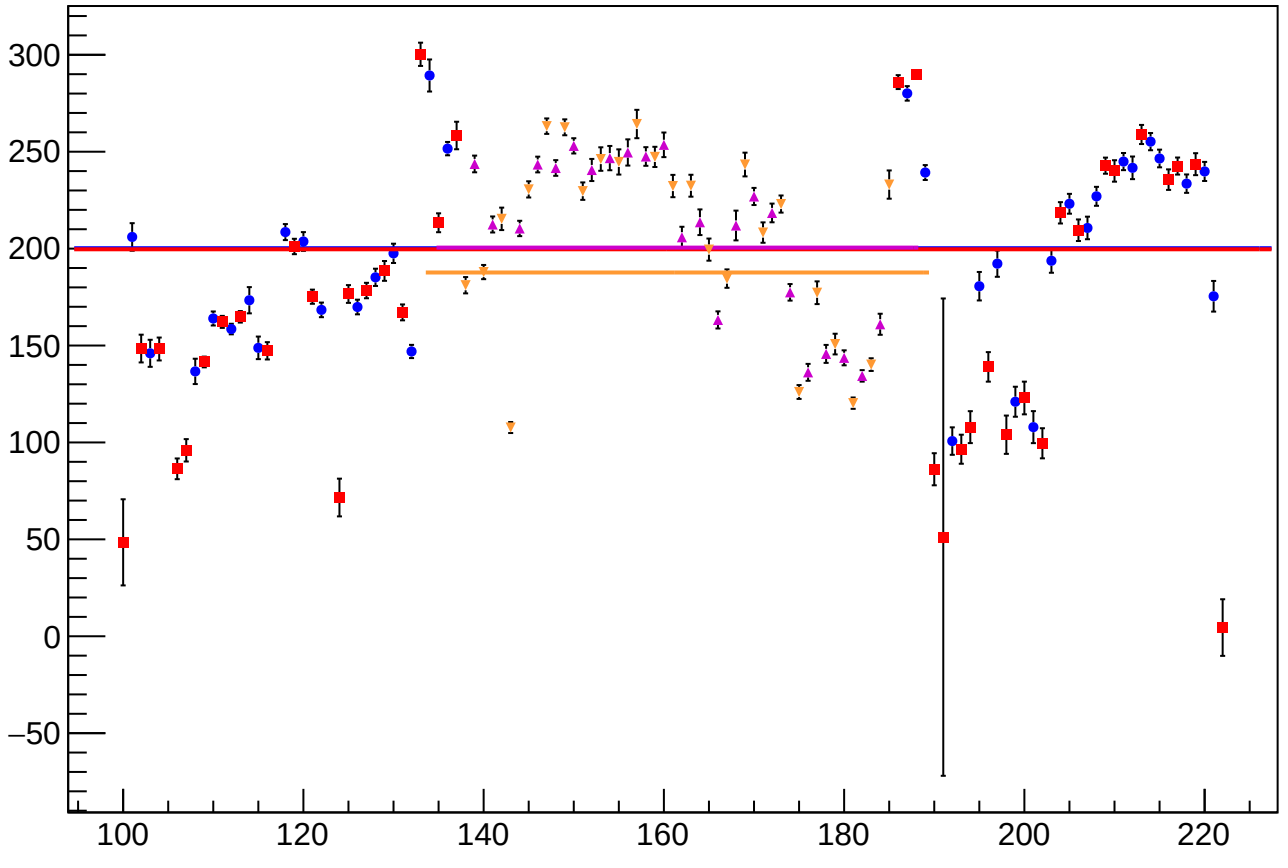
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.454+/-0.015 χ^2/NDF: 1044707.7/71

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.212+/-0.009 χ^2/NDF:2208161.4/62

All: 0.950+/-0.007 χ^2/NDF: 4021811.1/119



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.655+/-0.763 χ^2/NDF: 6760.9/37

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

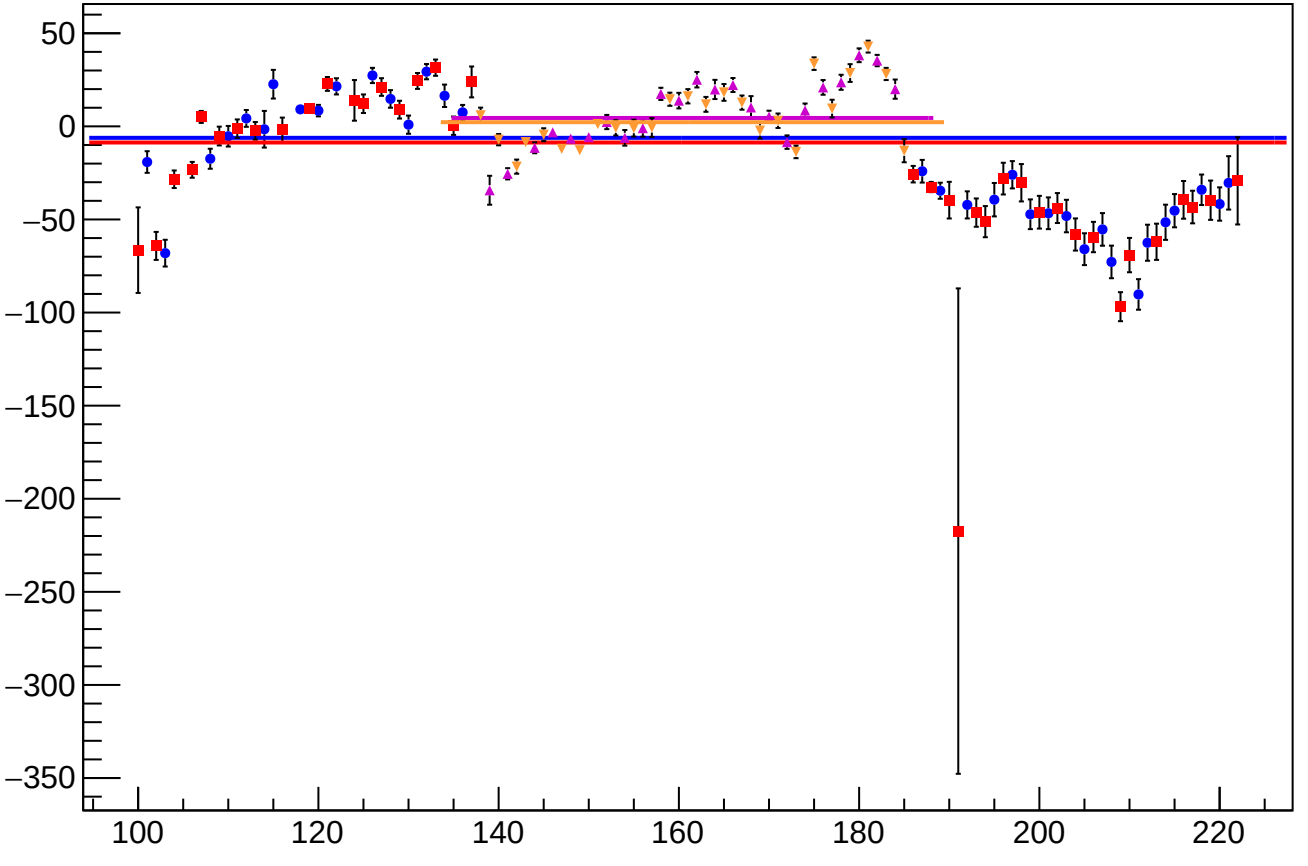
Right: 199.913+/-0.558 χ^2/NDF: 9656.8/71

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.633+/-0.581 χ^2/NDF:10392.5/62

All: 197.295+/-0.425 χ^2/NDF: 15444.7/119

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: -8.669+/-0.890 χ^2/NDF: 981.5/37

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

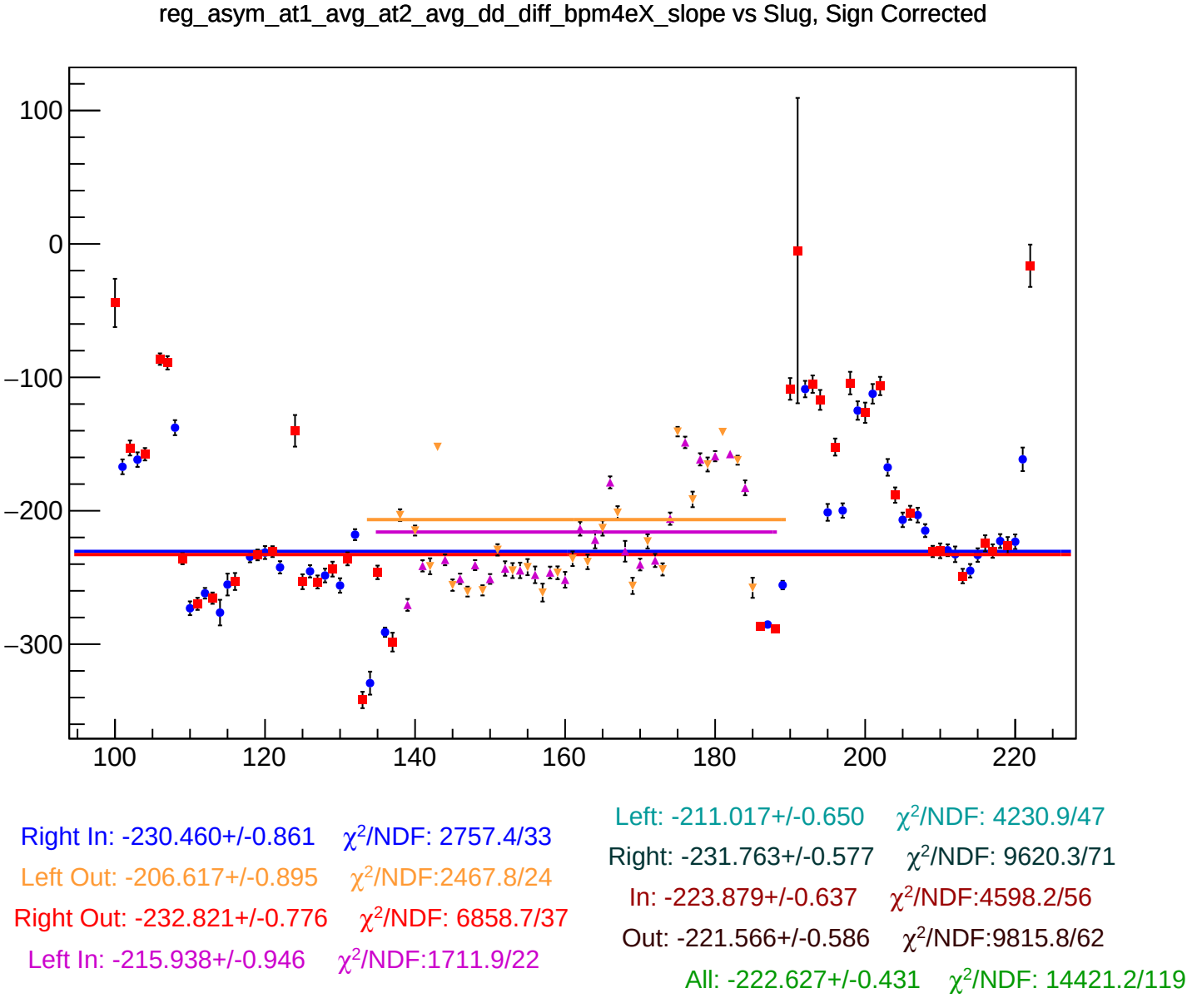
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

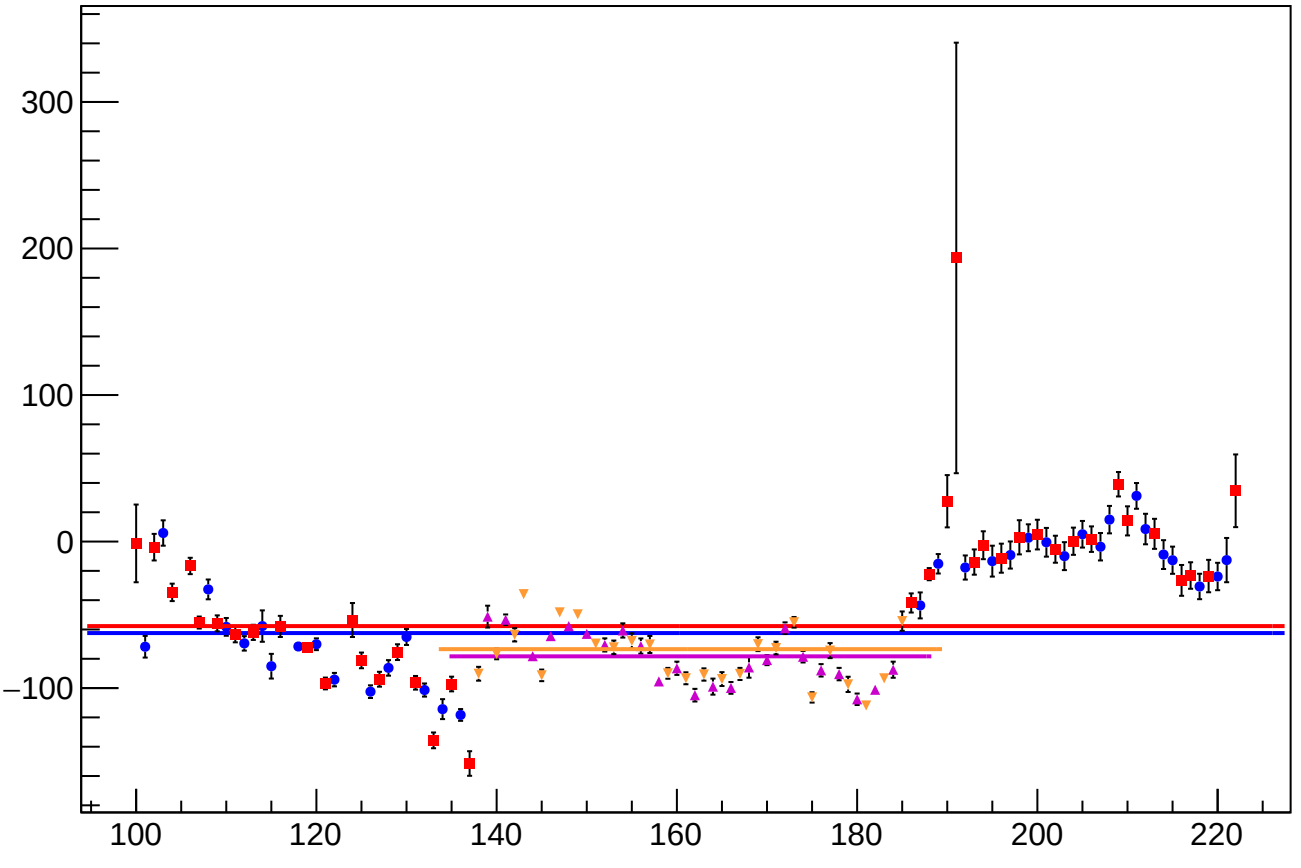
Right: -7.500+/-0.650 χ^2/NDF: 1898.1/71

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.664+/-0.532 χ^2/NDF:1679.0/62

All: -0.578+/-0.390 χ^2/NDF: 3228.3/119


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: -230.460+/-0.861 χ²/NDF: 2757.4/33
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -232.821+/-0.776 χ²/NDF: 6858.7/37
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -231.763+/-0.577 χ²/NDF: 9620.3/71
In: -223.879+/-0.637 χ²/NDF:4598.2/56
Out: -221.566+/-0.586 χ²/NDF:9815.8/62
All: -222.627+/-0.431 χ²/NDF: 14421.2/119



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: -57.688+/-1.055 χ^2/NDF: 1411.1/37

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

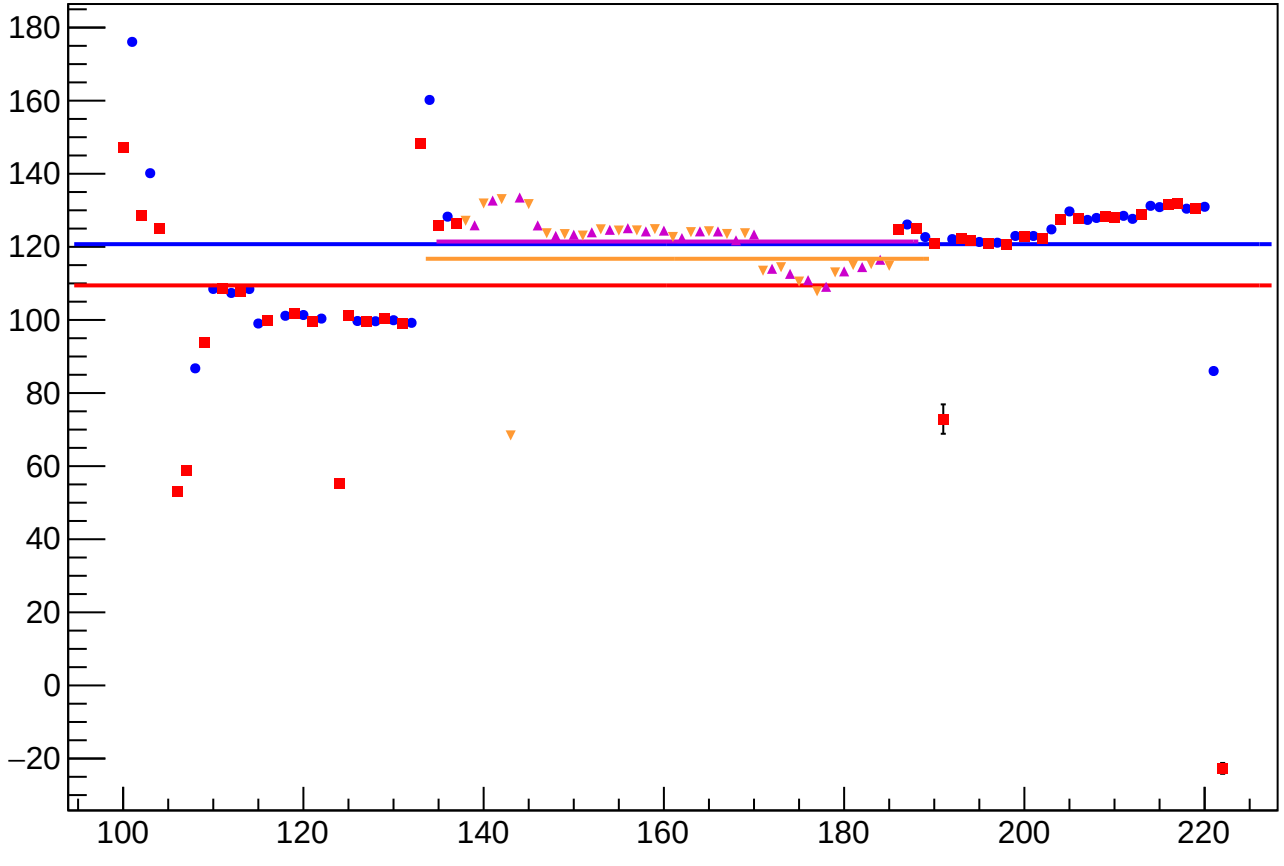
Right: -59.952+/-0.764 χ^2/NDF: 2688.4/71

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -67.983+/-0.620 χ^2/NDF:2393.3/62

All: -70.216+/-0.451 χ^2/NDF: 4265.0/119

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: 109.453+/-0.054 χ^2/NDF: 225835.9/37

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

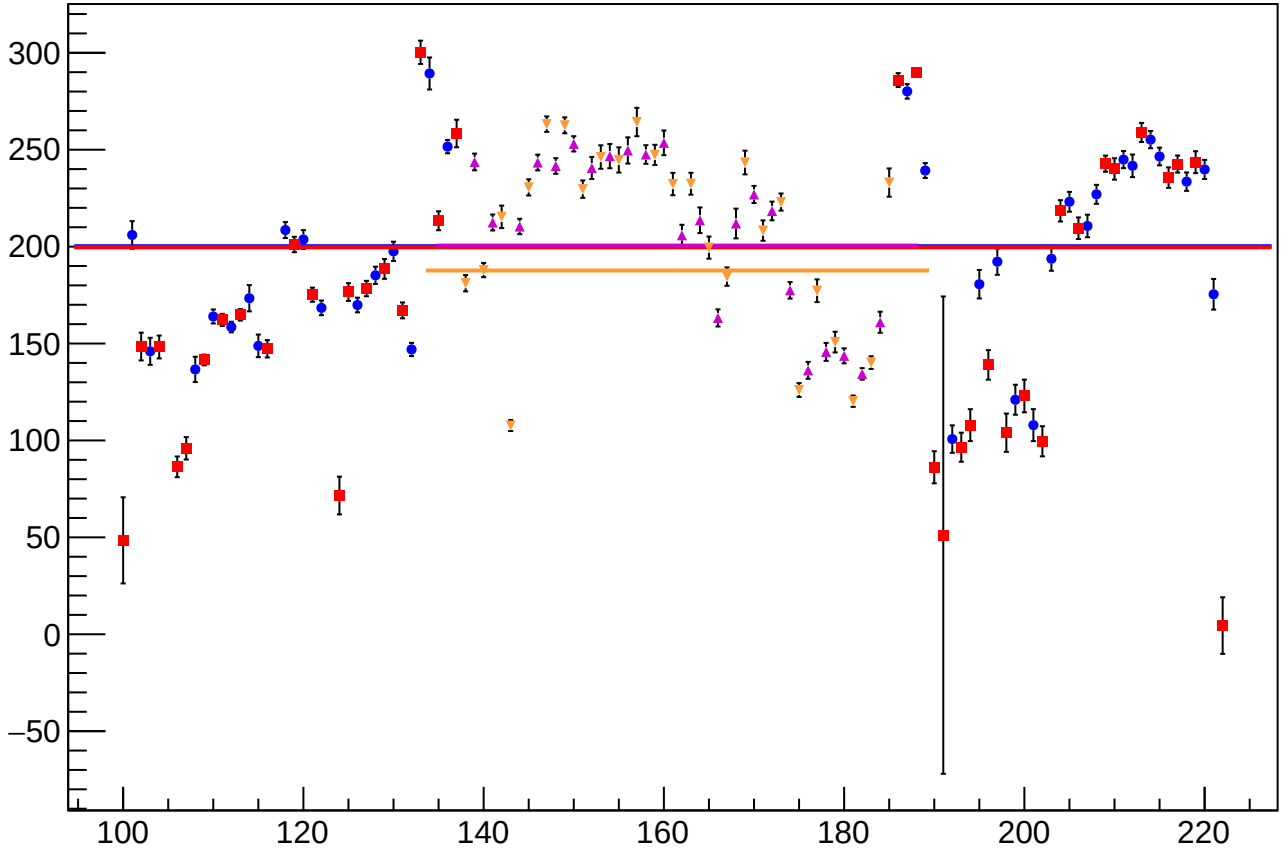
Right: 114.672+/-0.040 χ^2/NDF: 347934.1/71

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.523+/-0.030 χ^2/NDF:442082.2/62

All: 117.716+/-0.022 χ^2/NDF: 597067.5/119

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.655+/-0.763 χ^2/NDF: 6760.9/37

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

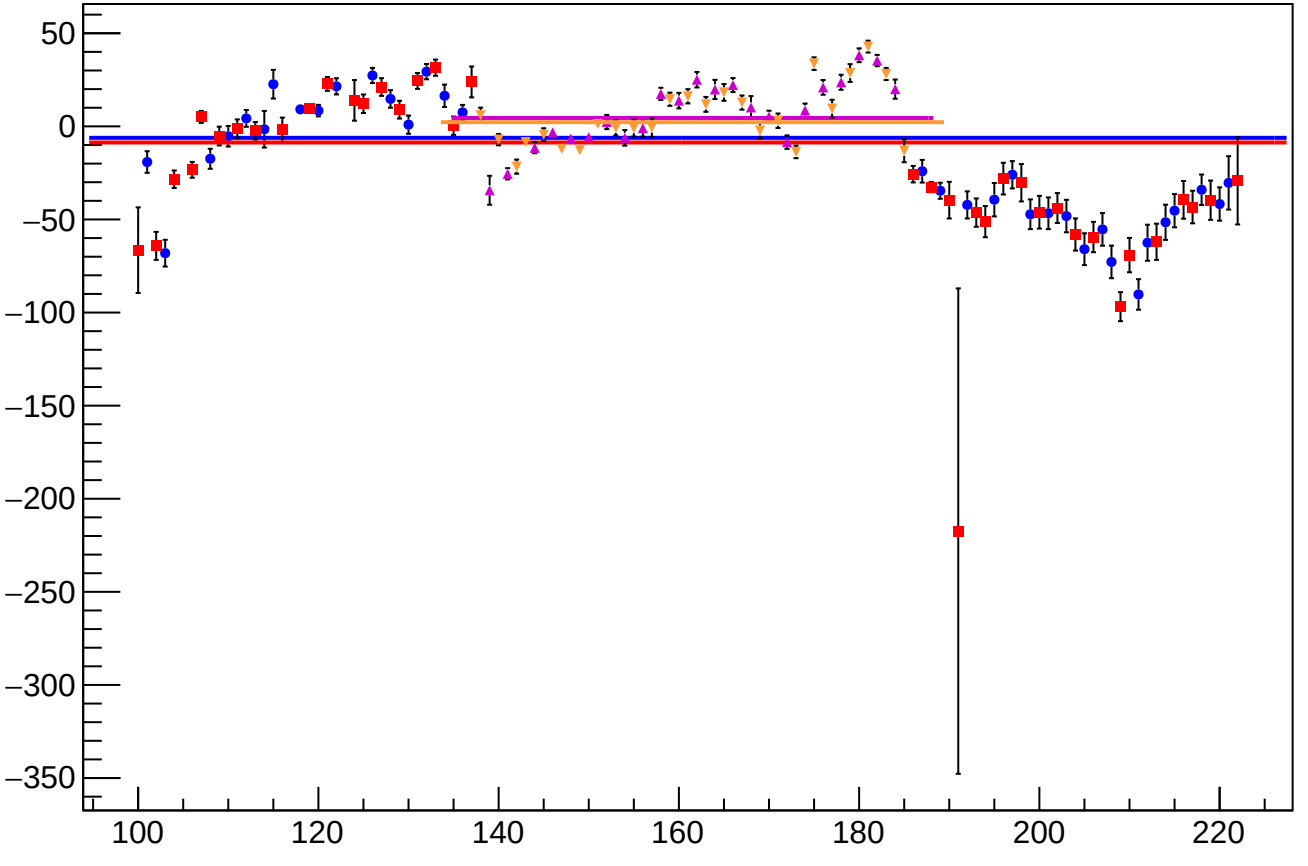
Right: 199.913+/-0.558 χ^2/NDF: 9656.8/71

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.633+/-0.581 χ^2/NDF:10392.5/62

All: 197.295+/-0.425 χ^2/NDF: 15444.7/119

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: -8.669+/-0.890 χ^2/NDF: 981.5/37

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

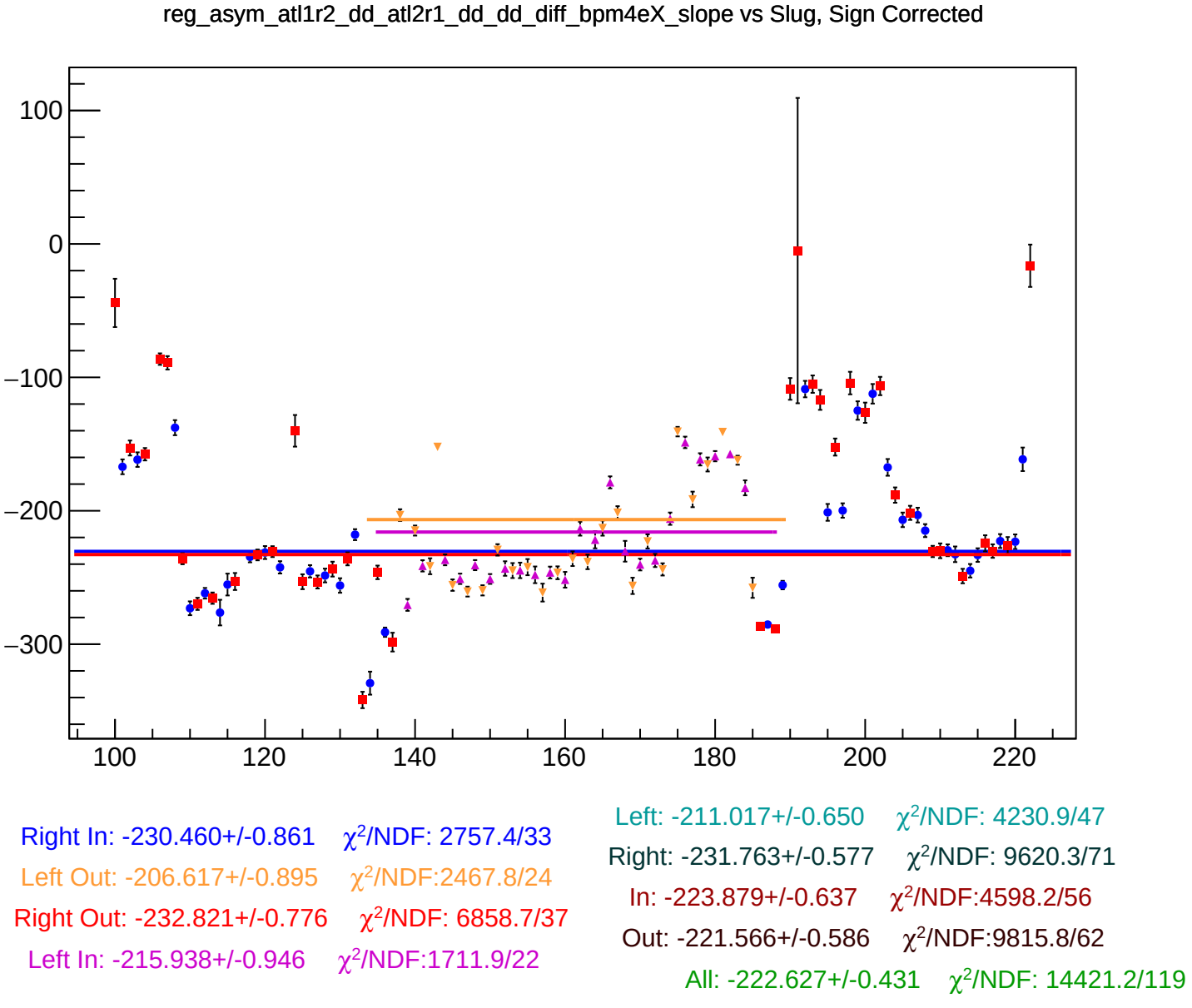
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.500+/-0.650 χ^2/NDF: 1898.1/71

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.664+/-0.532 χ^2/NDF:1679.0/62

All: -0.578+/-0.390 χ^2/NDF: 3228.3/119


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
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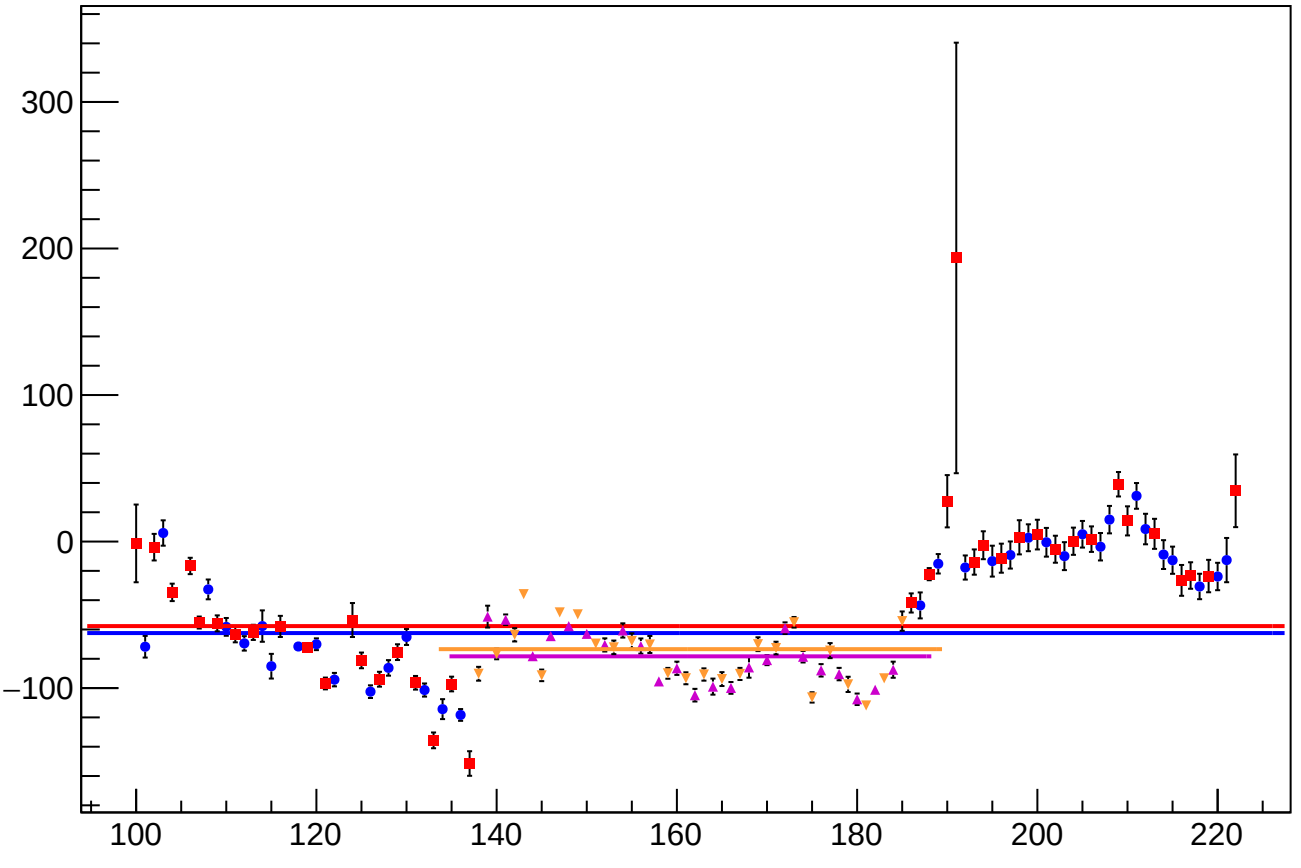
−100
−200
−300
100
120
140
160
180
200
220
Right In: -230.460+/-0.861 χ²/NDF: 2757.4/33
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -232.821+/-0.776 χ²/NDF: 6858.7/37
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -231.763+/-0.577 χ²/NDF: 9620.3/71
In: -223.879+/-0.637 χ²/NDF:4598.2/56
Out: -221.566+/-0.586 χ²/NDF:9815.8/62
All: -222.627+/-0.431 χ²/NDF: 14421.2/119



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: -57.688+/-1.055 χ^2/NDF: 1411.1/37

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

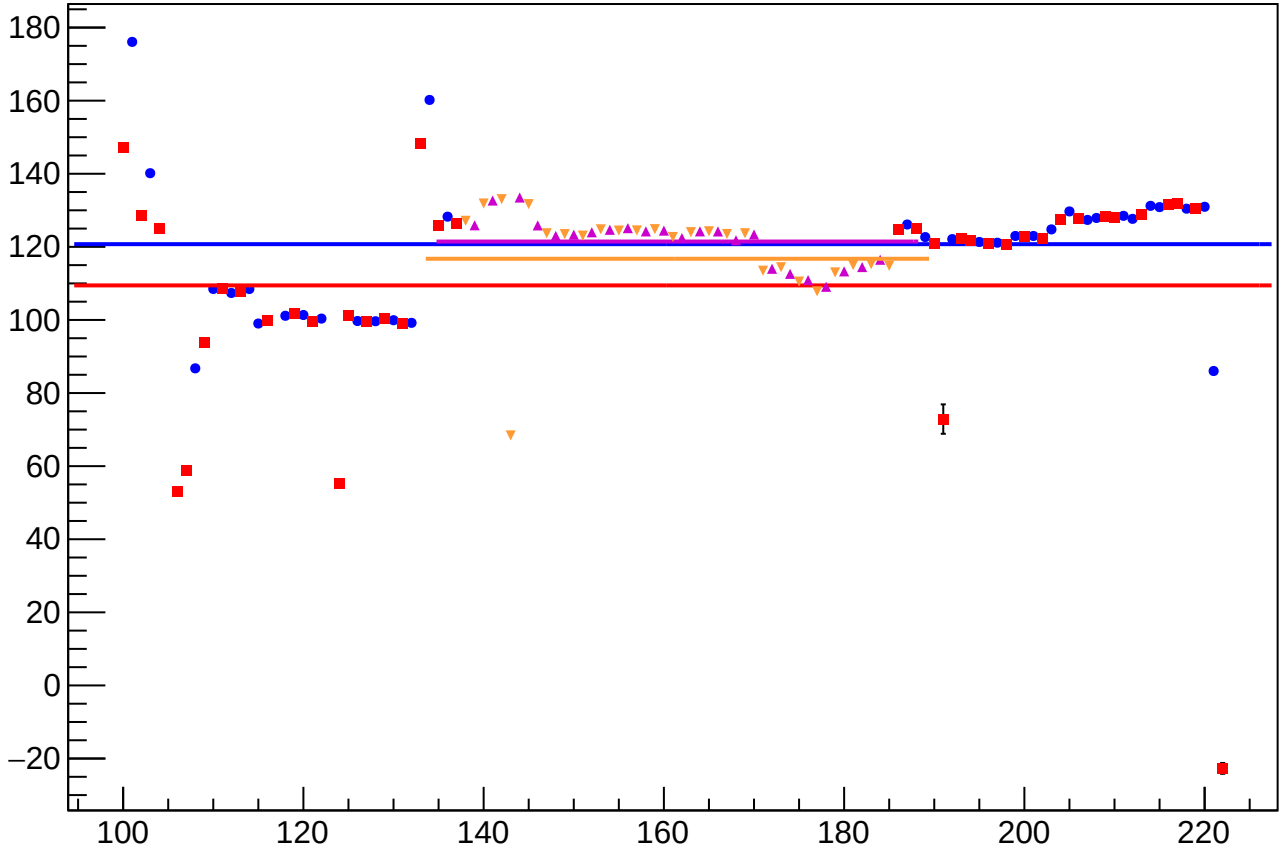
Right: -59.952+/-0.764 χ^2/NDF: 2688.4/71

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -67.983+/-0.620 χ^2/NDF:2393.3/62

All: -70.216+/-0.451 χ^2/NDF: 4265.0/119

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.453+/-0.054 χ^2/NDF: 225835.9/37

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

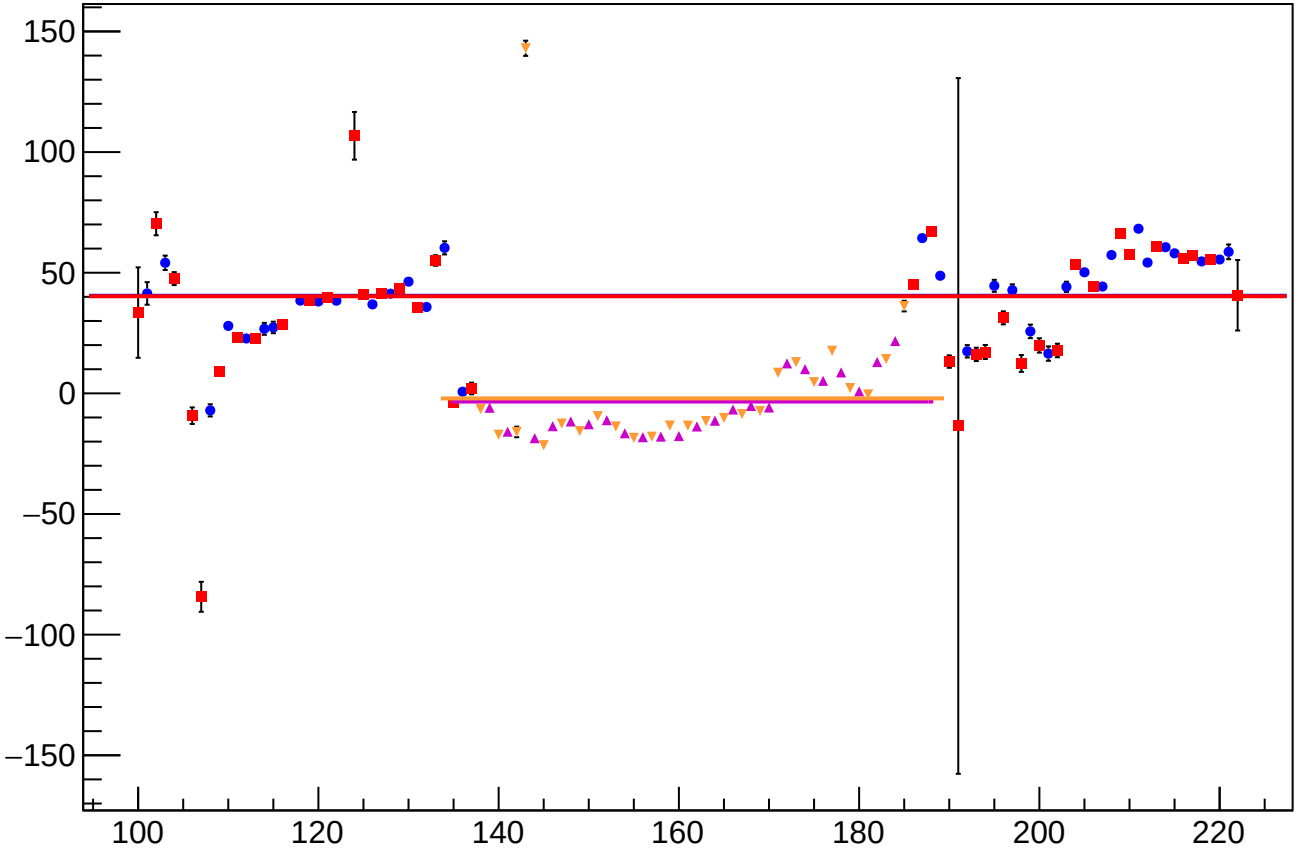
Right: 114.672+/-0.040 χ^2/NDF: 347934.1/71

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.523+/-0.030 χ^2/NDF:442082.2/62

All: 117.716+/-0.022 χ^2/NDF: 597067.5/119

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 5579.2/37

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

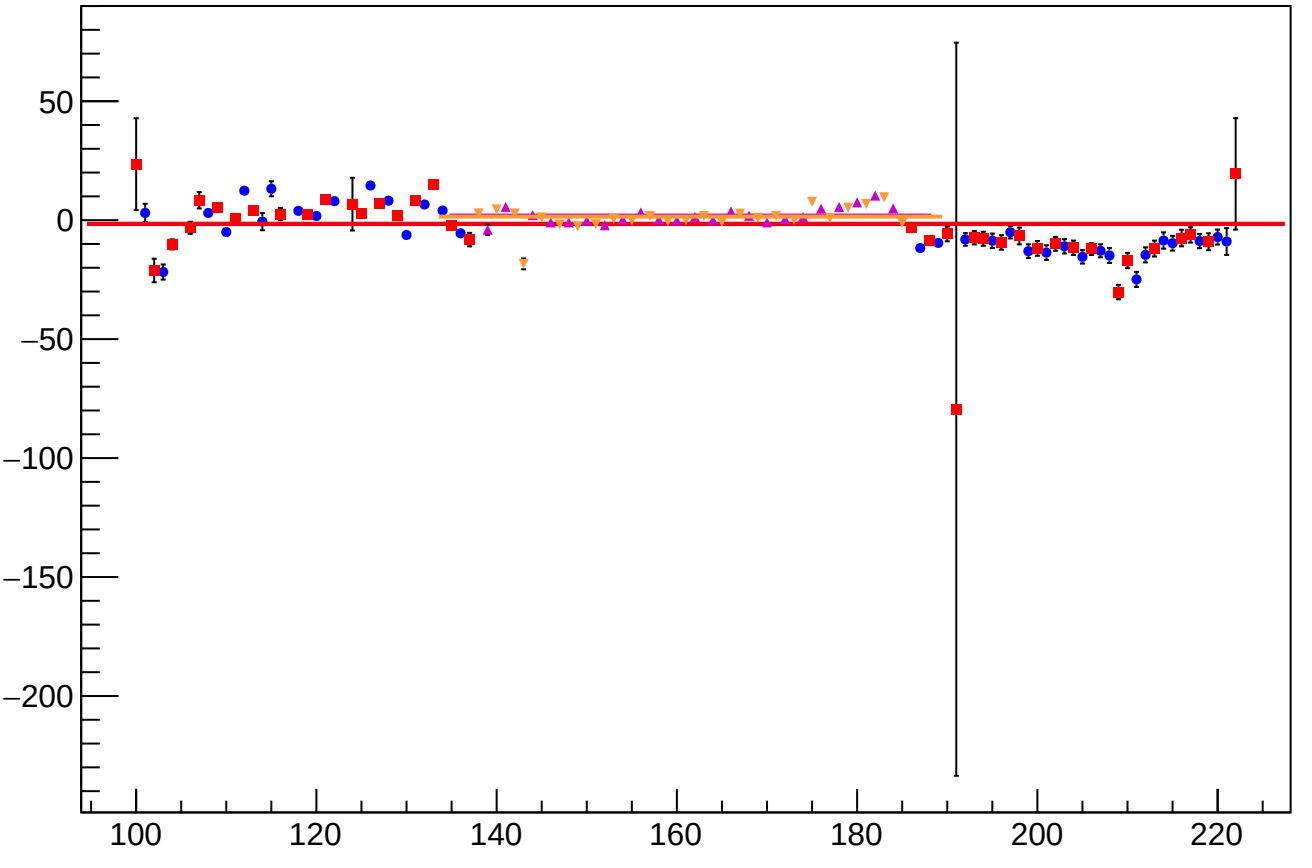
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 40.338+/-0.207 χ^2/NDF: 9083.3/71

In: 15.989+/-0.203 χ^2/NDF:16798.6/56

Out: 17.873+/-0.194 χ^2/NDF:21658.0/62

All: 16.972+/-0.140 χ^2/NDF: 38501.7/119



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: -1.523+/-0.346 χ^2/NDF: 549.2/37

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

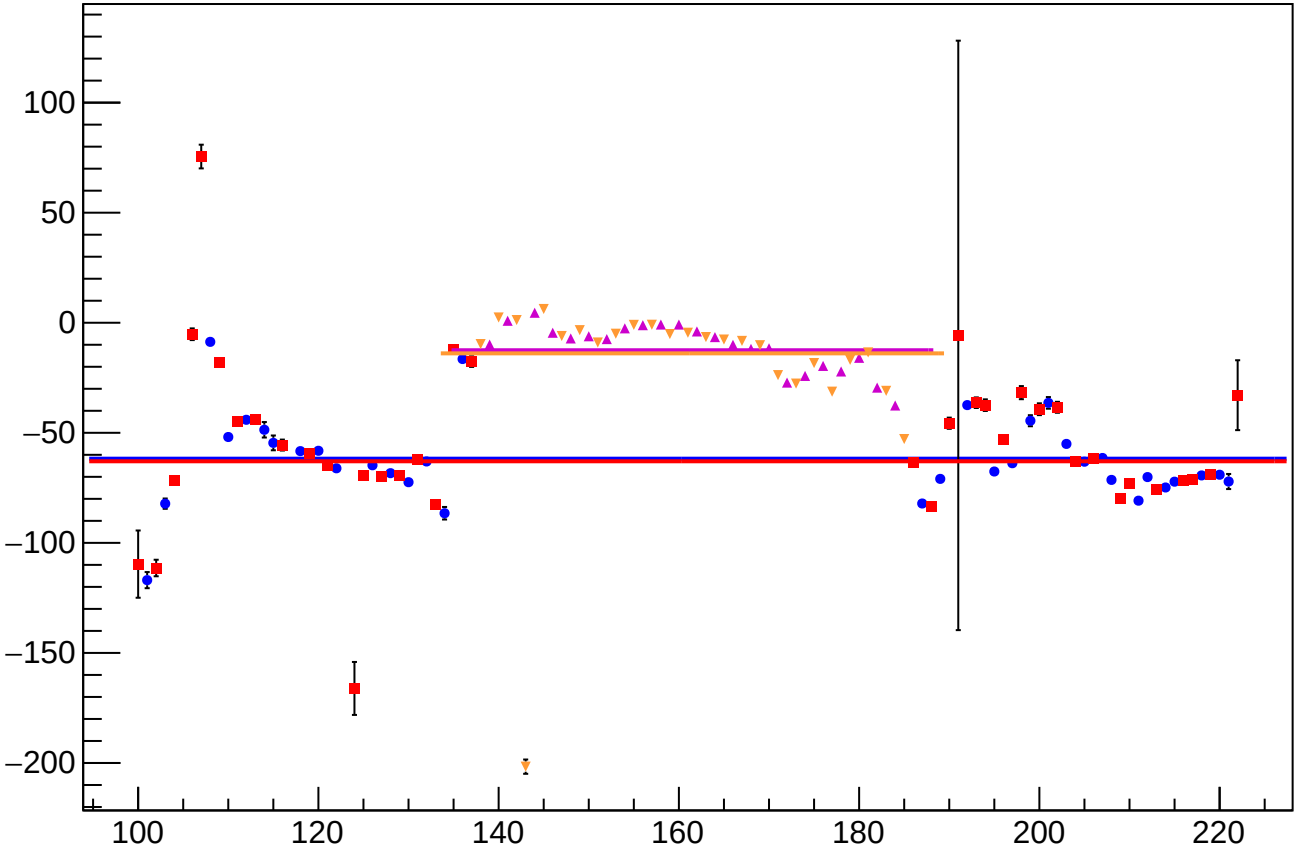
Right: -1.547+/-0.251 χ^2/NDF: 1158.8/71

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.707+/-0.176 χ^2/NDF:933.8/62

All: 0.877+/-0.127 χ^2/NDF: 1855.3/119

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: -62.938+/-0.282 χ^2/NDF: 5725.8/37

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

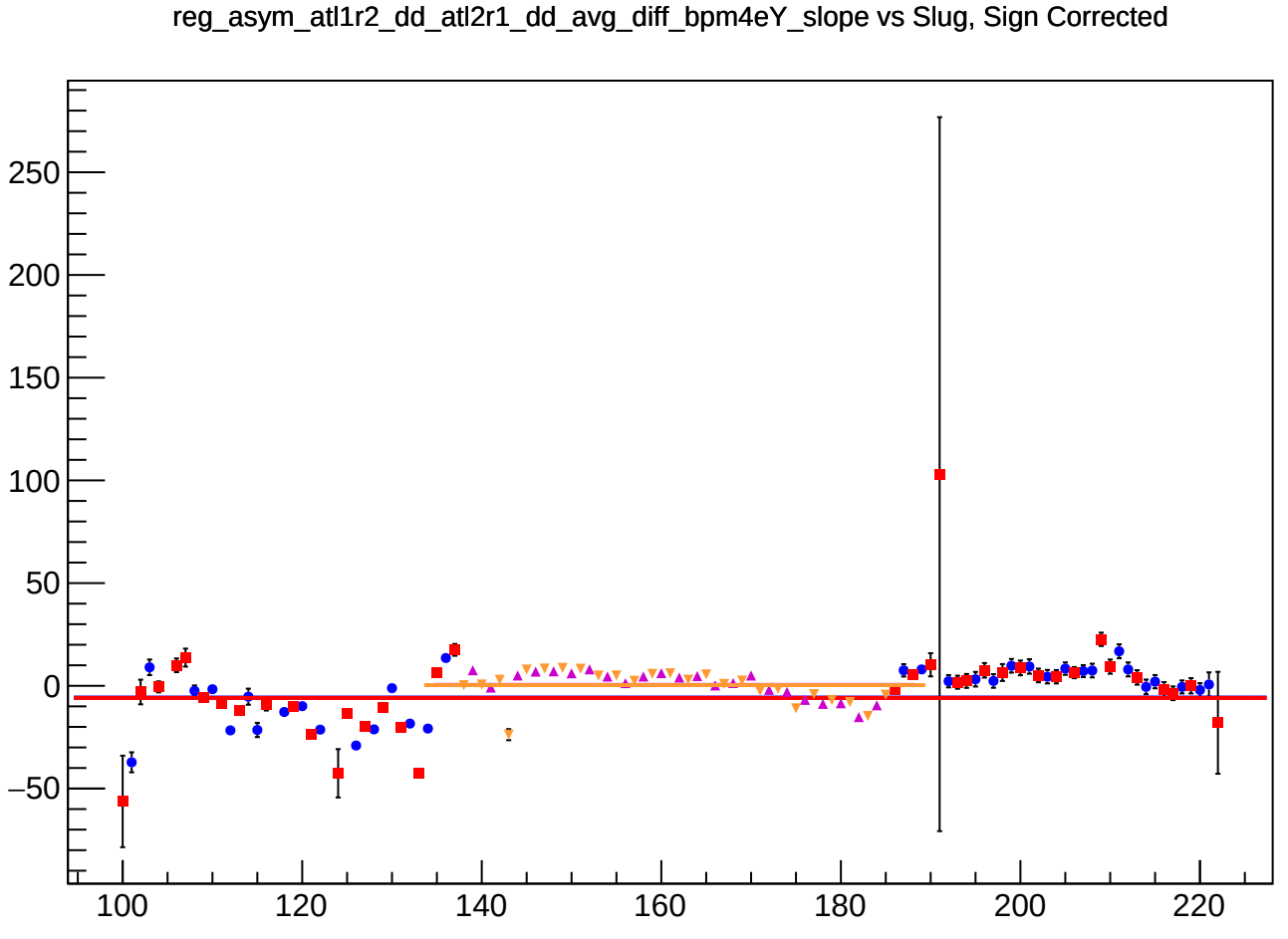
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -62.418+/-0.211 χ^2/NDF: 9440.6/71

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.881+/-0.193 χ^2/NDF:26929.5/62

All: -35.073+/-0.141 χ^2/NDF: 46264.4/119



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: -5.897+/-0.412 χ^2/NDF: 1054.7/37

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

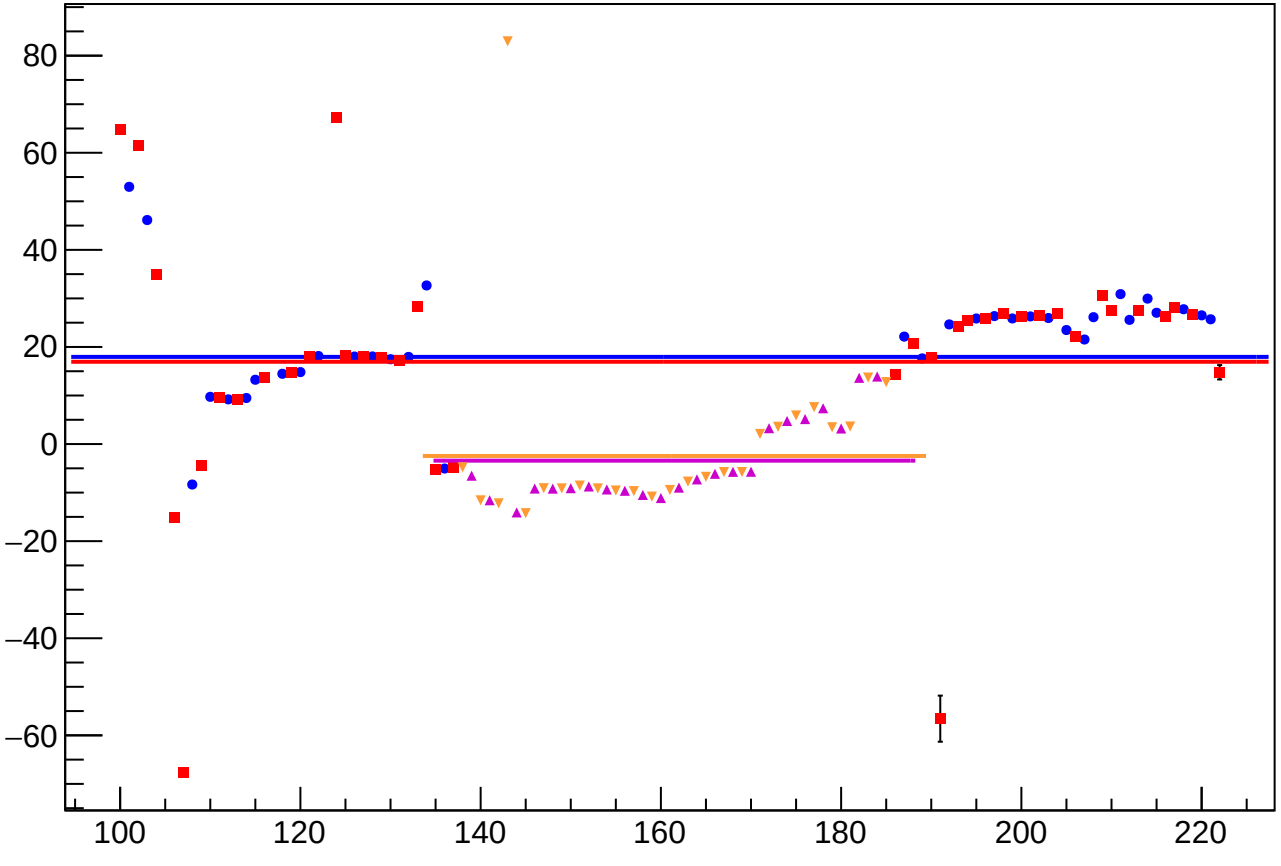
Right: -5.808+/-0.295 χ^2/NDF: 2070.0/71

In: -1.042+/-0.206 χ^2/NDF:1959.3/56

Out: -1.149+/-0.202 χ^2/NDF:2150.9/62

All: -1.097+/-0.144 χ^2/NDF: 4110.3/119

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: 582898.8/37

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

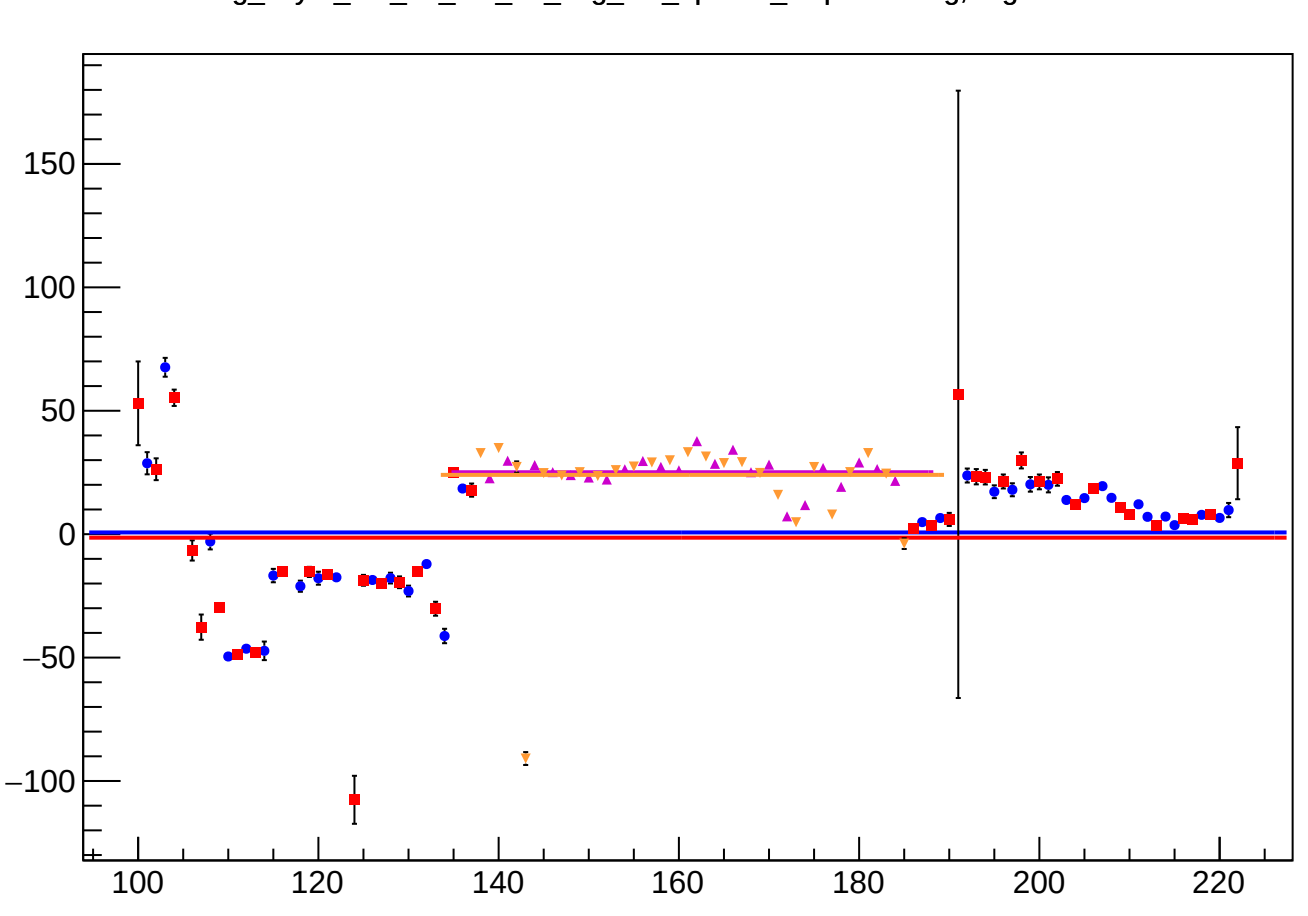
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.454+/-0.015 χ^2/NDF: 1044707.7/71

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.212+/-0.009 χ^2/NDF:2208161.4/62

All: 0.950+/-0.007 χ^2/NDF: 4021811.1/119



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: -1.418+/-0.331 χ^2/NDF: 3974.7/37

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

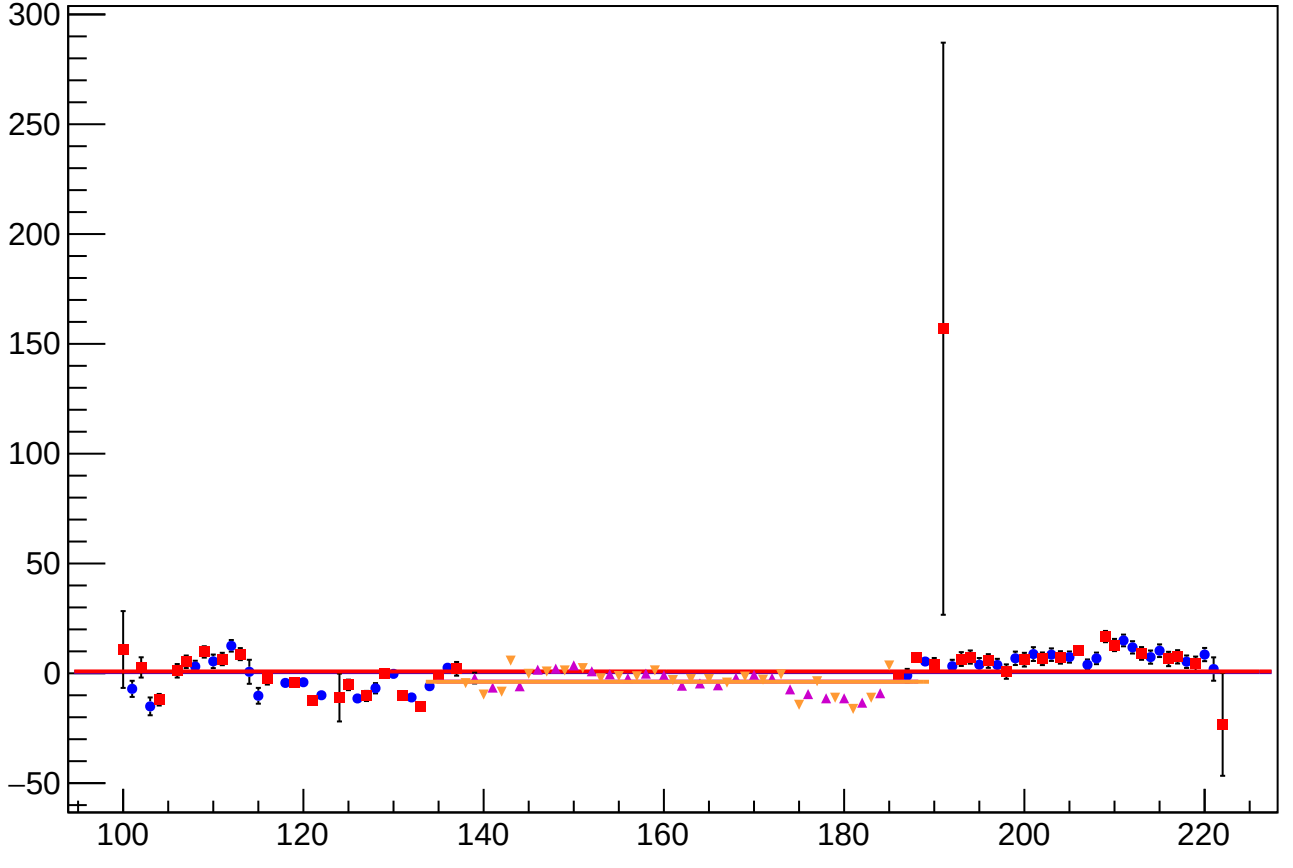
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -0.377+/-0.236 χ^2/NDF: 7751.5/71

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.340+/-0.215 χ^2/NDF:10195.0/62

All: 14.080+/-0.153 χ^2/NDF: 17499.2/119



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: 0.845+/-0.417 χ^2/NDF: 365.7/37

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

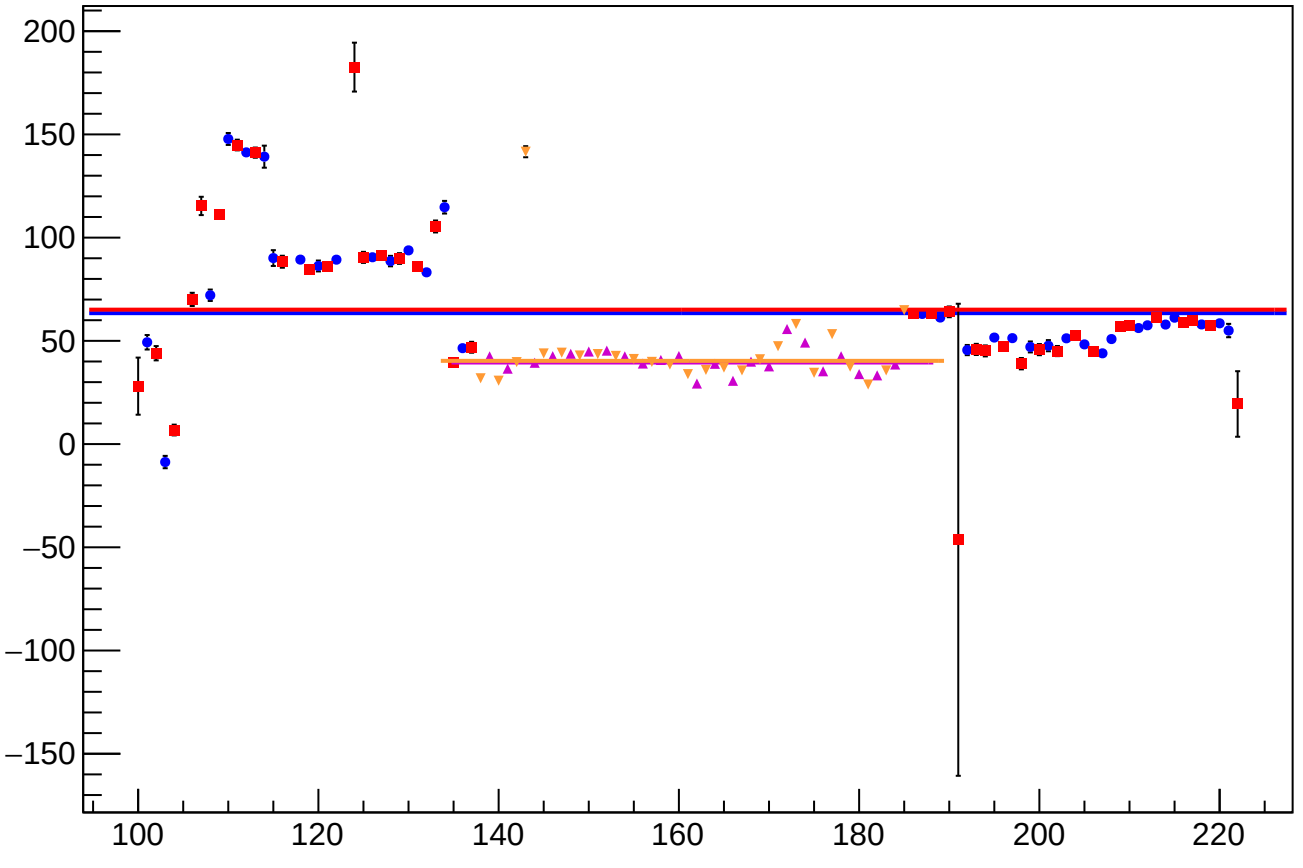
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.702+/-0.298 χ^2/NDF: 662.7/71

In: -2.842+/-0.198 χ^2/NDF:888.0/56

Out: -2.838+/-0.193 χ^2/NDF:1114.6/62

All: -2.840+/-0.138 χ^2/NDF: 2002.6/119



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: 65.110+/-0.335 χ^2/NDF: 4881.1/37

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

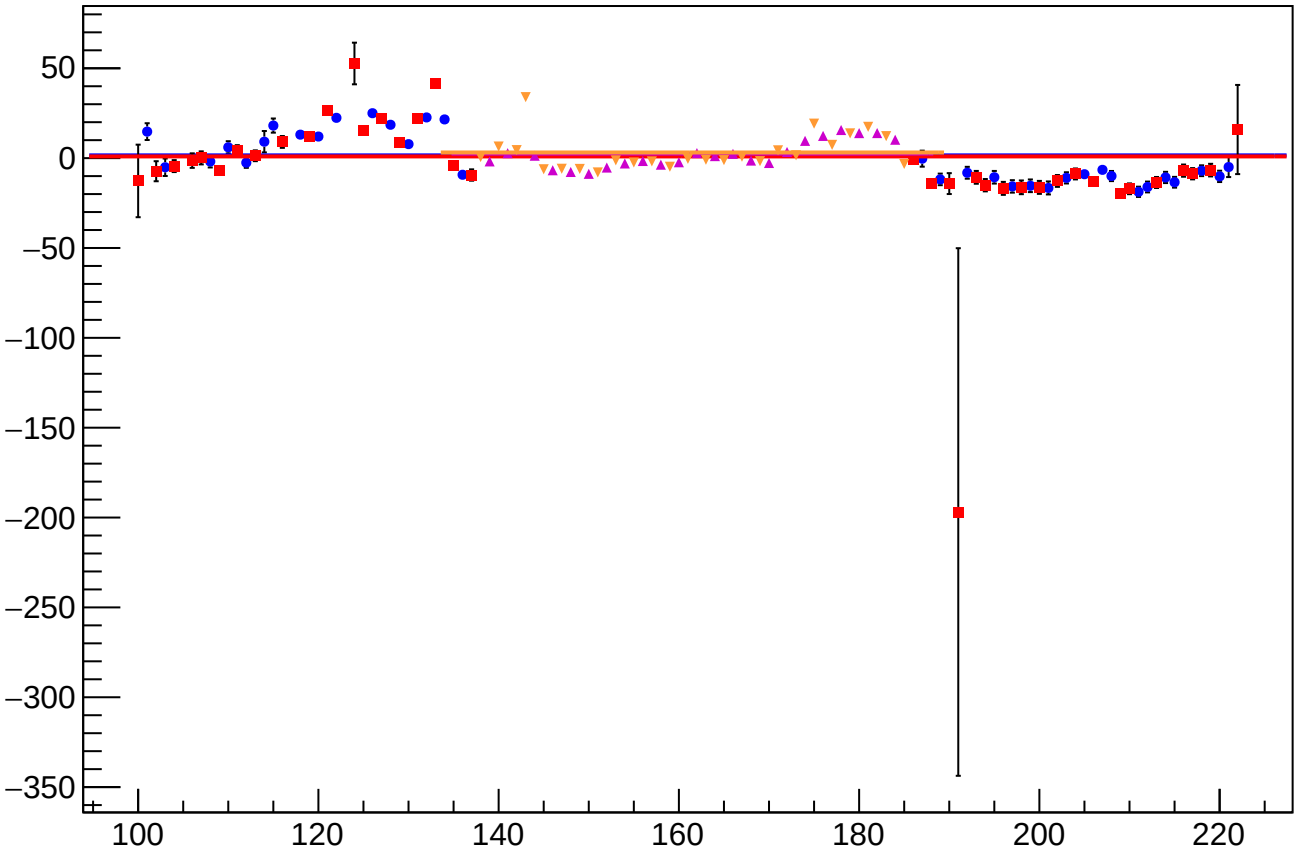
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.298+/-0.242 χ^2/NDF: 9596.7/71

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.511+/-0.215 χ^2/NDF:10285.0/62

All: 49.779+/-0.154 χ^2/NDF: 18245.8/119



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: 0.949+/-0.485 χ^2/NDF: 1047.4/37

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

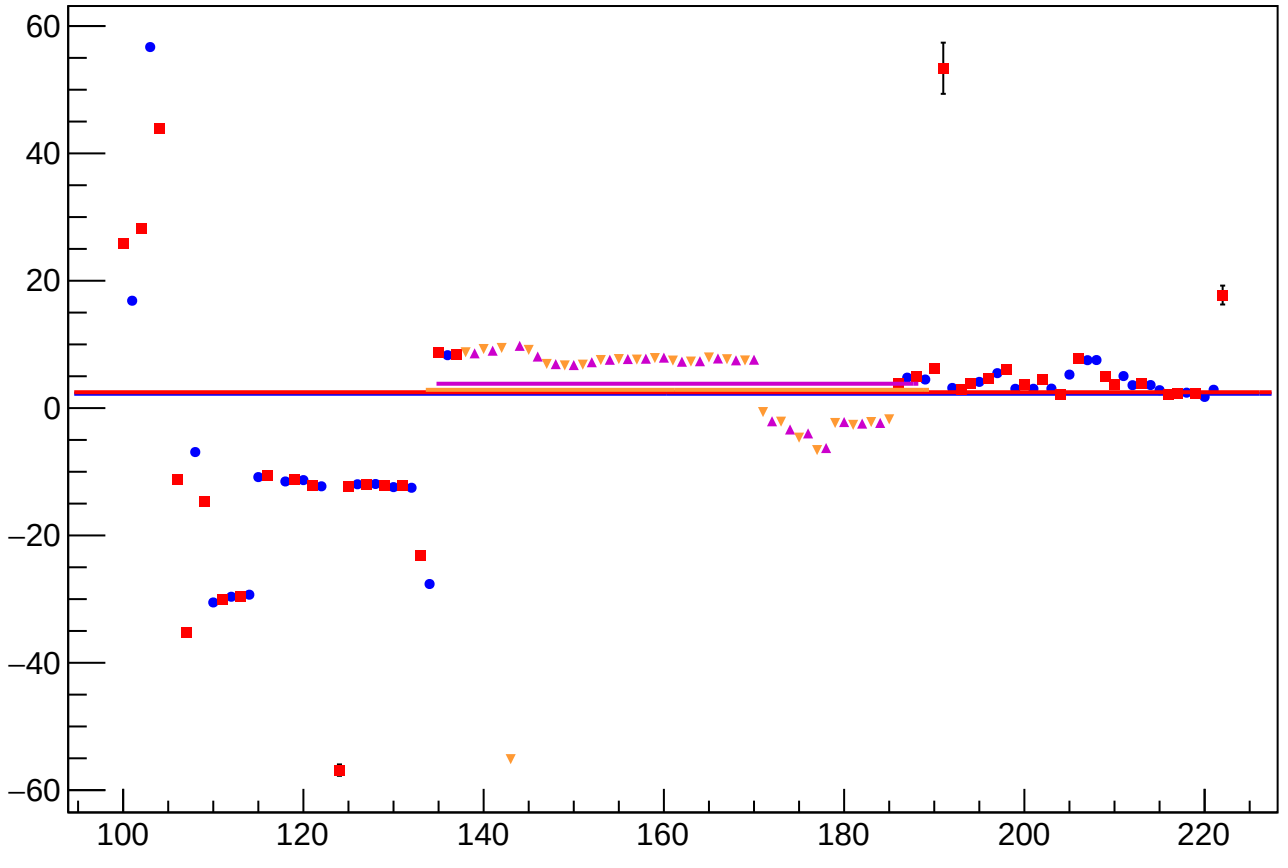
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.246+/-0.342 χ^2/NDF: 1923.0/71

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.695+/-0.219 χ^2/NDF:2330.7/62

All: 2.505+/-0.156 χ^2/NDF: 4178.5/119



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: 2.491+/-0.023 χ^2/NDF: 330869.0/37

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

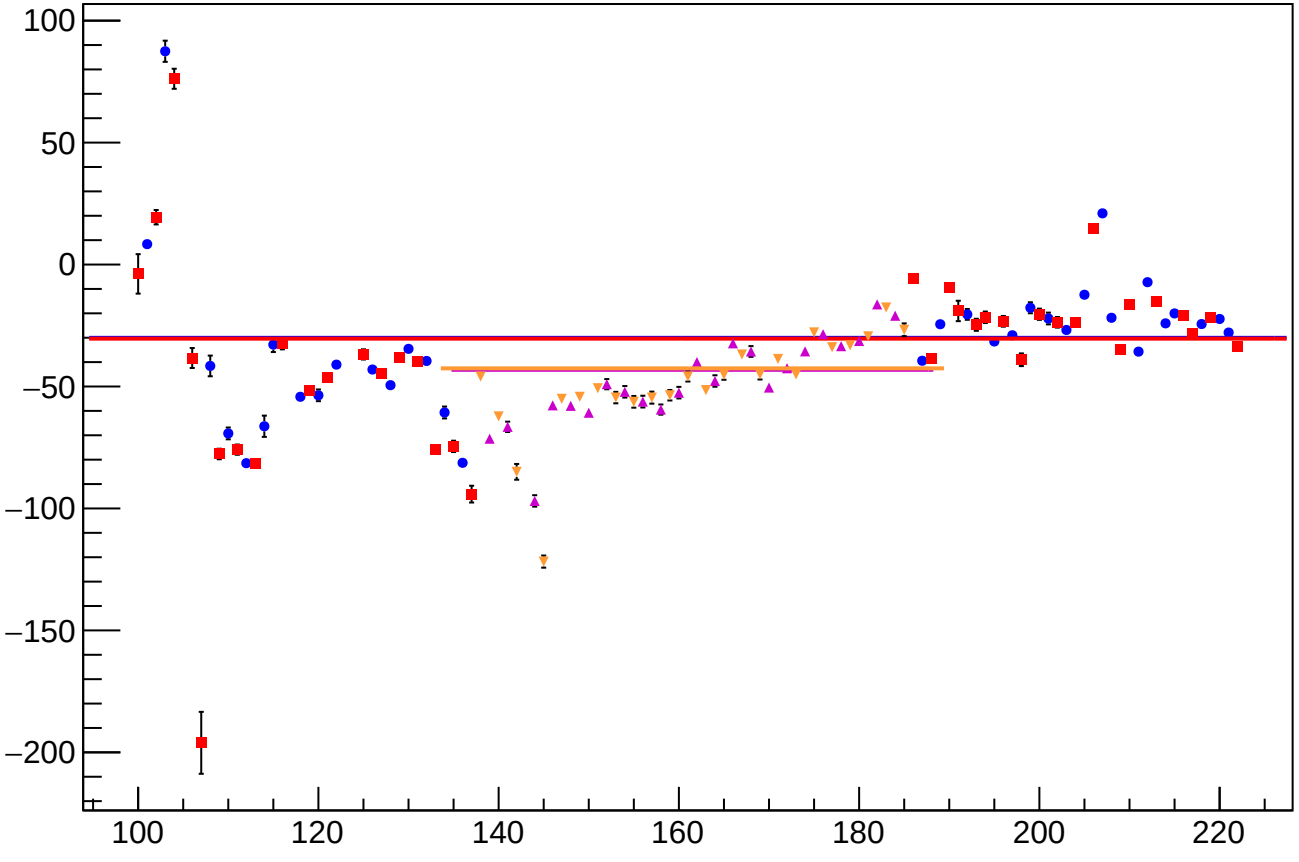
Right: 2.370+/-0.016 χ^2/NDF: 713947.6/71

In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.802+/-0.010 χ^2/NDF:843414.5/62

All: 3.164+/-0.007 χ^2/NDF: 1466097.5/119

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: -30.380+/-0.290 χ^2/NDF: 6595.1/36

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

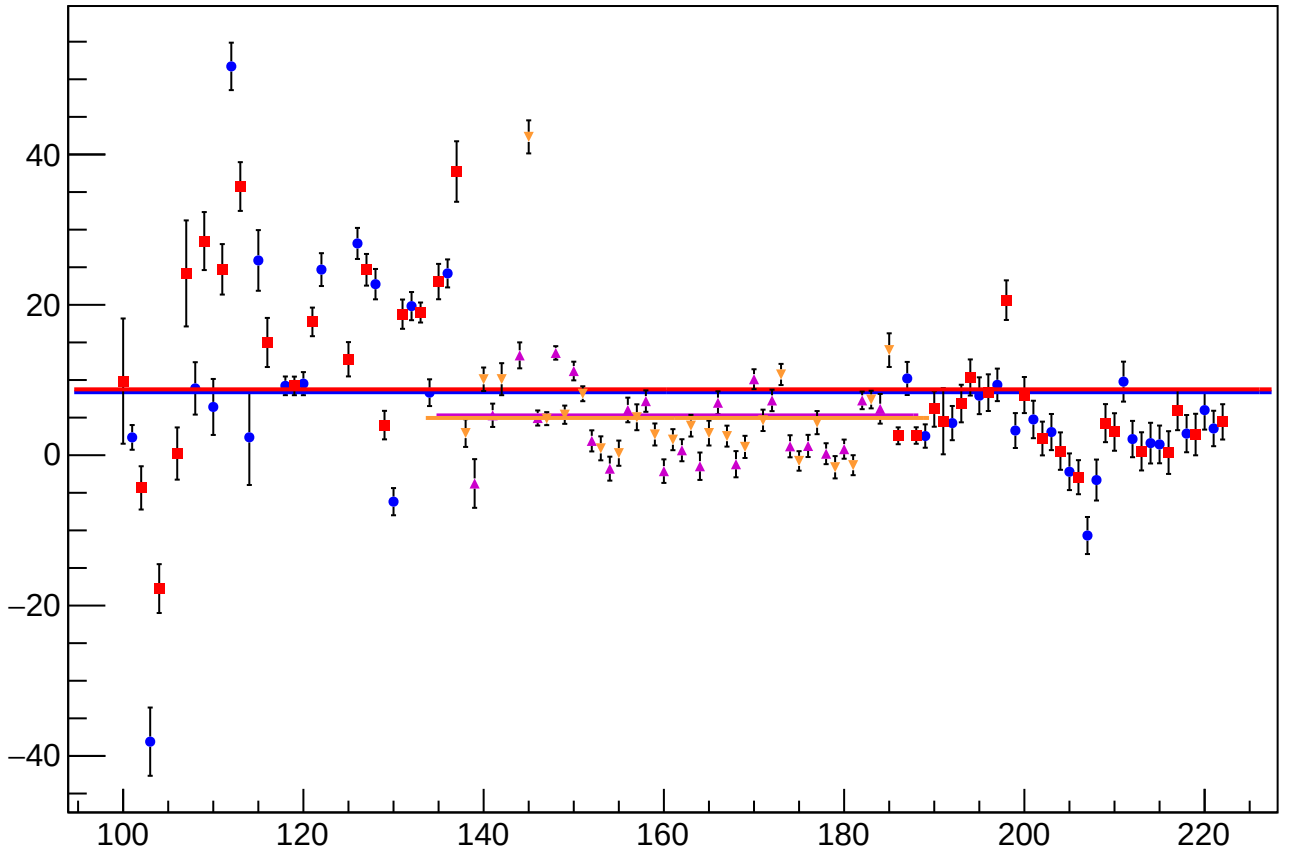
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -30.223+/-0.209 χ^2/NDF: 12078.0/70

In: -35.116+/-0.237 χ^2/NDF:8412.2/56

Out: -34.879+/-0.230 χ^2/NDF:9575.3/60

All: -34.994+/-0.165 χ^2/NDF: 17988.0/117



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: 8.760+/-0.361 χ^2/NDF: 650.9/36

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

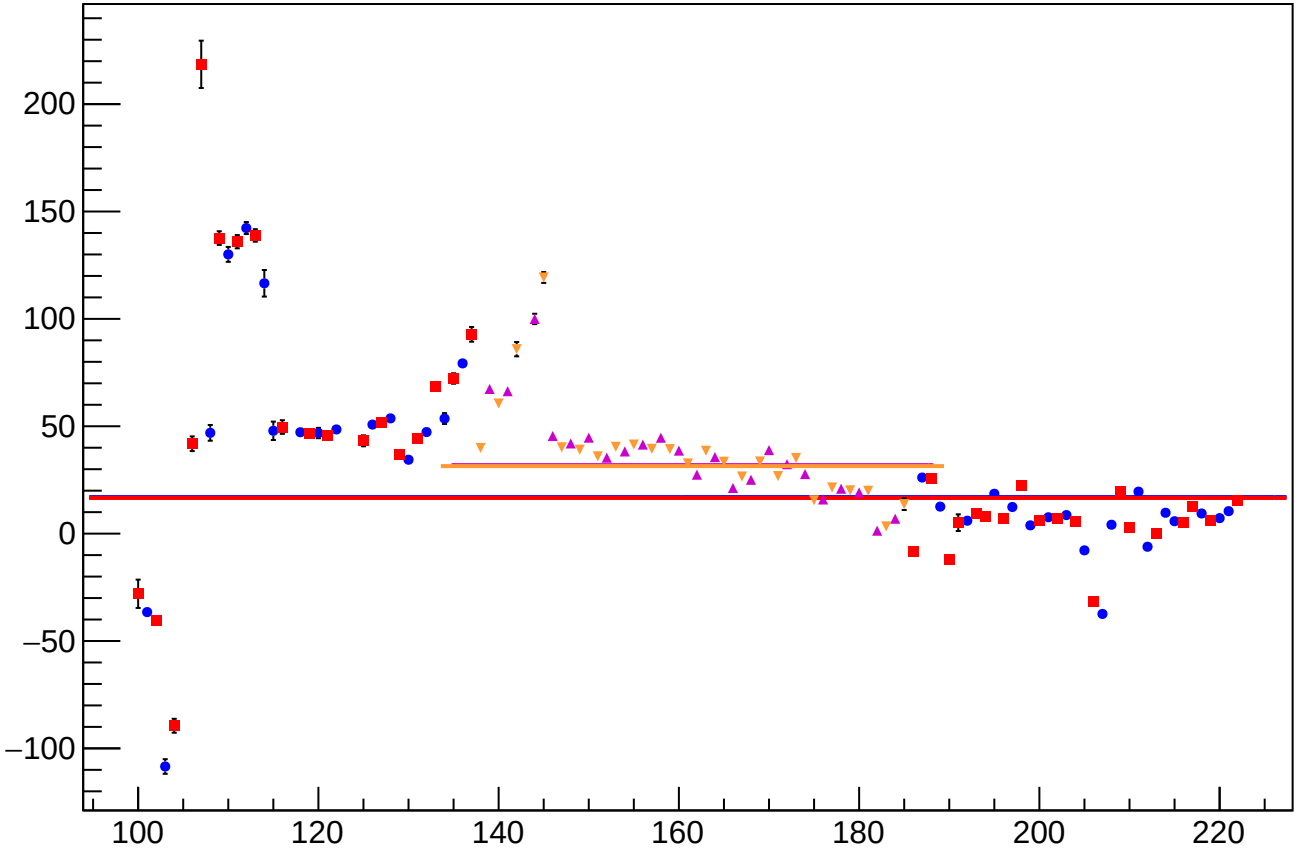
Right: 8.579+/-0.261 χ^2/NDF: 1509.4/70

In: 6.457+/-0.232 χ^2/NDF:1185.9/56

Out: 6.435+/-0.225 χ^2/NDF:1167.7/60

All: 6.446+/-0.162 χ^2/NDF: 2353.6/117

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 16.999+/-0.307 χ^2/NDF: 11233.3/33

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.604+/-0.281 χ^2/NDF: 12933.1/36

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

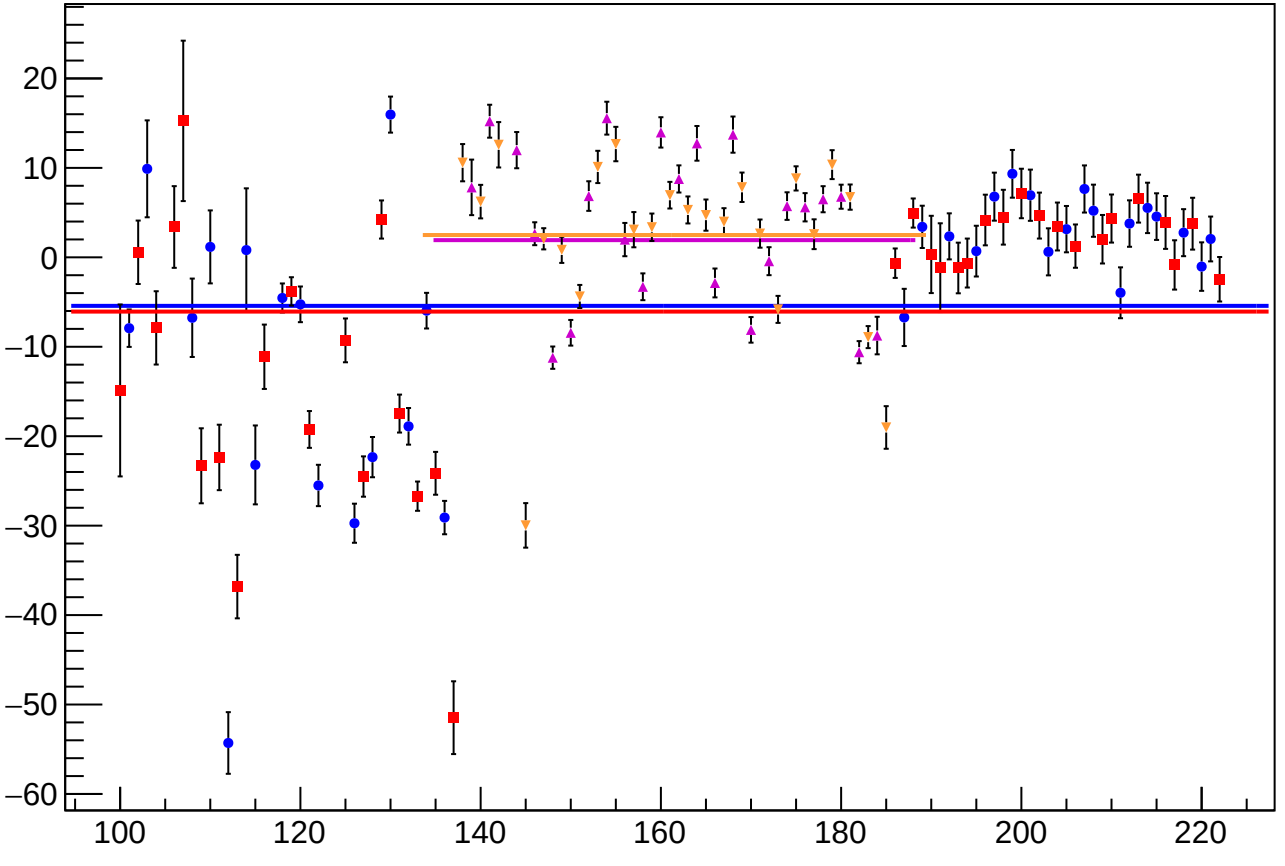
Right: 16.784+/-0.207 χ^2/NDF: 24167.3/70

In: 22.914+/-0.238 χ^2/NDF:14936.3/56

Out: 21.940+/-0.225 χ^2/NDF:16694.4/60

All: 22.400+/-0.164 χ^2/NDF: 31639.5/117

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -6.067+/-0.430 χ^2/NDF: 860.8/36

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

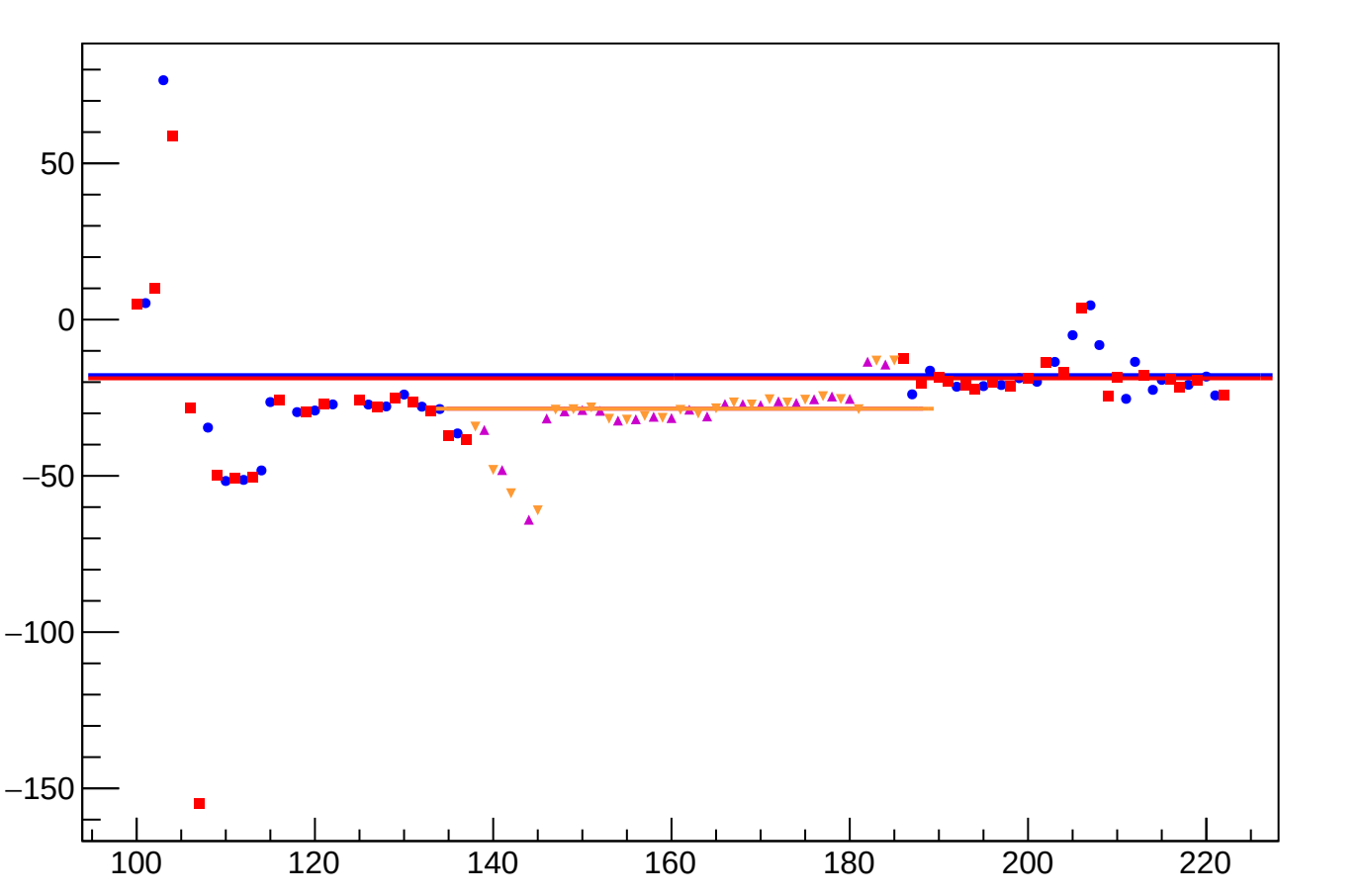
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -5.750+/-0.306 χ^2/NDF: 1880.9/70

In: -0.779+/-0.264 χ^2/NDF:1877.8/56

Out: -0.639+/-0.260 χ^2/NDF:1670.8/60

All: -0.708+/-0.185 χ^2/NDF: 3548.7/117



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: -18.791+/-0.020 χ^2/NDF: 627068.1/36

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

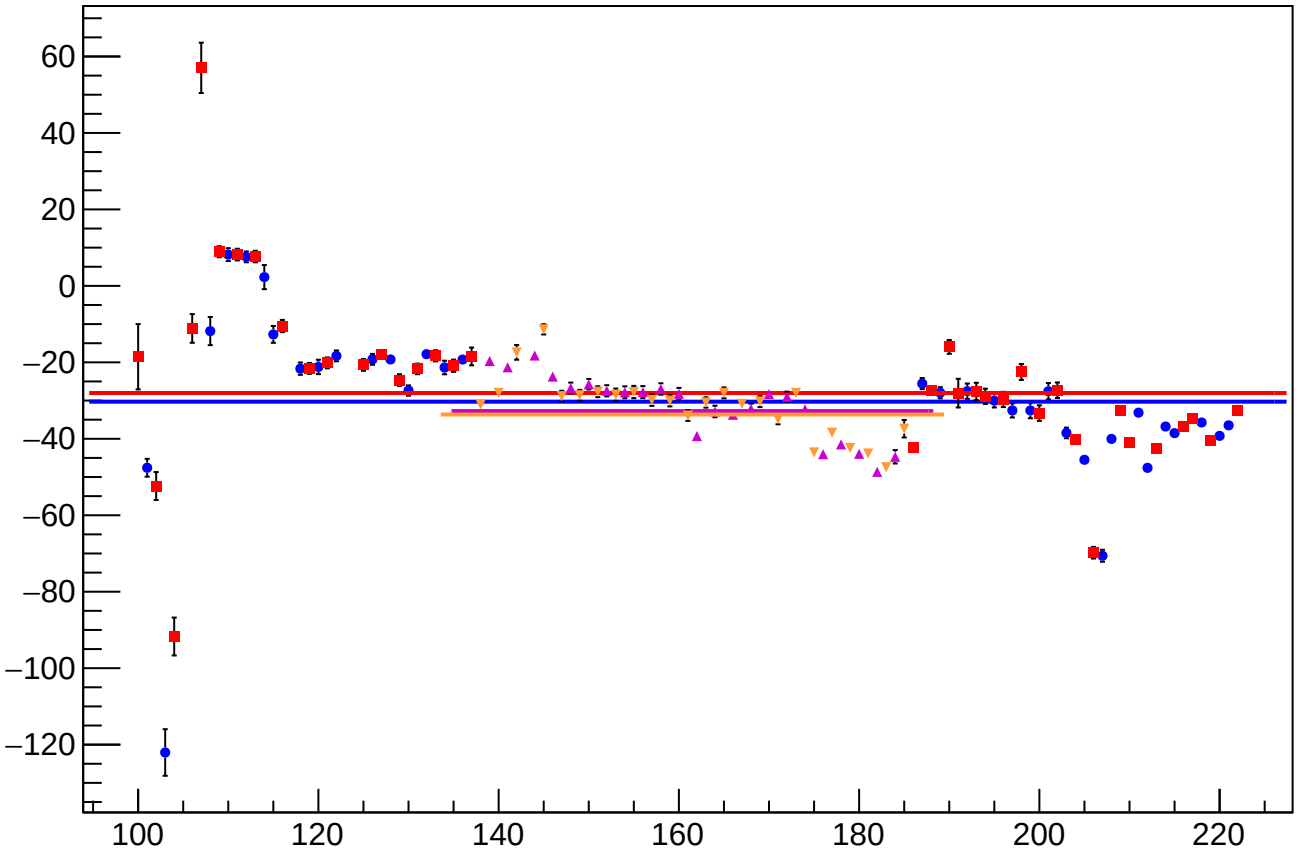
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.290+/-0.015 χ^2/NDF: 1363123.3/70

In: -24.873+/-0.012 χ^2/NDF:1199685.0/56

Out: -25.175+/-0.012 χ^2/NDF:1109698.9/60

All: -25.025+/-0.008 χ^2/NDF: 2309700.3/117



Right In: -30.288+/-0.244 χ^2/NDF: 3621.7/33

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -28.020+/-0.244 χ^2/NDF: 4158.0/36

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

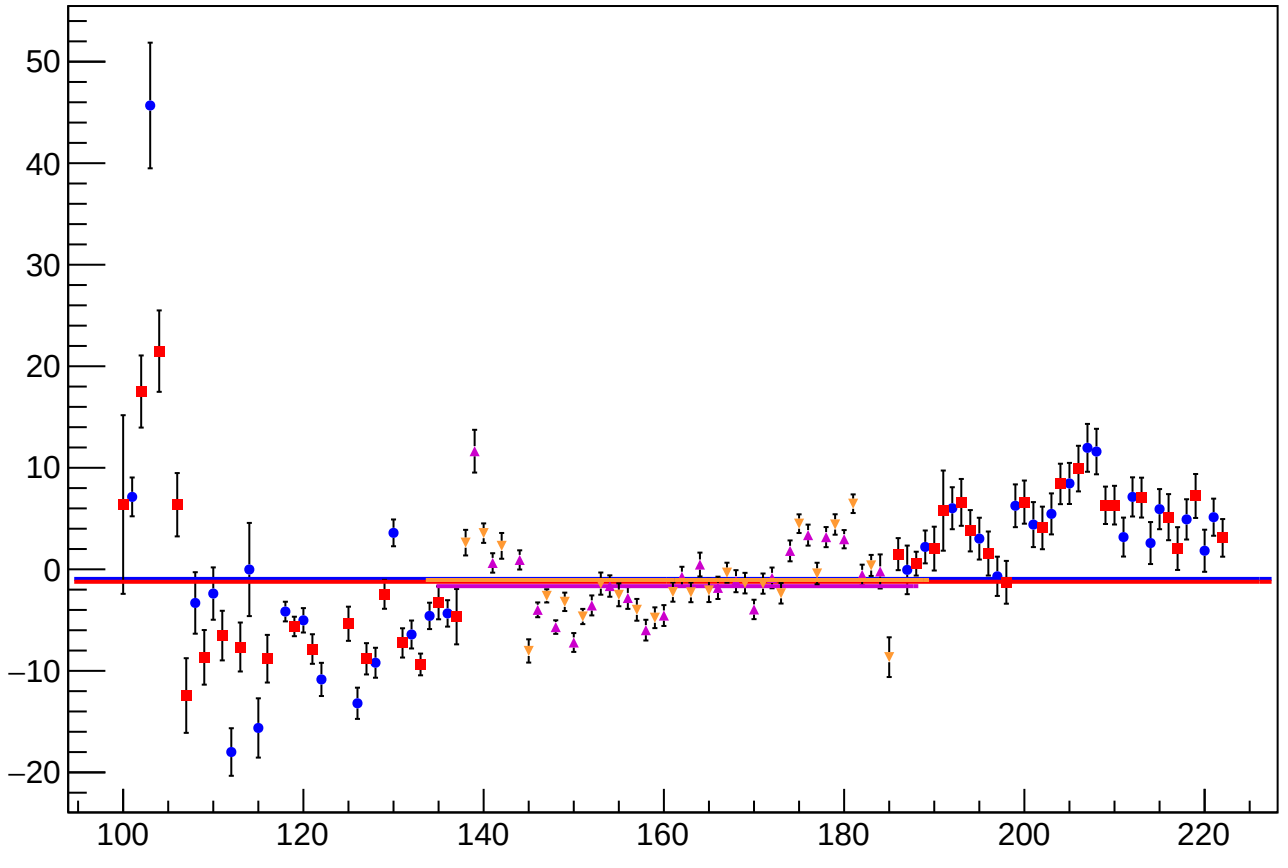
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -29.156+/-0.172 χ^2/NDF: 7822.9/70

In: -31.399+/-0.180 χ^2/NDF:4811.2/56

Out: -30.599+/-0.180 χ^2/NDF:5417.4/60

All: -30.997+/-0.127 χ^2/NDF: 10238.5/117



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: -1.227+/-0.307 χ^2/NDF: 436.4/36

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

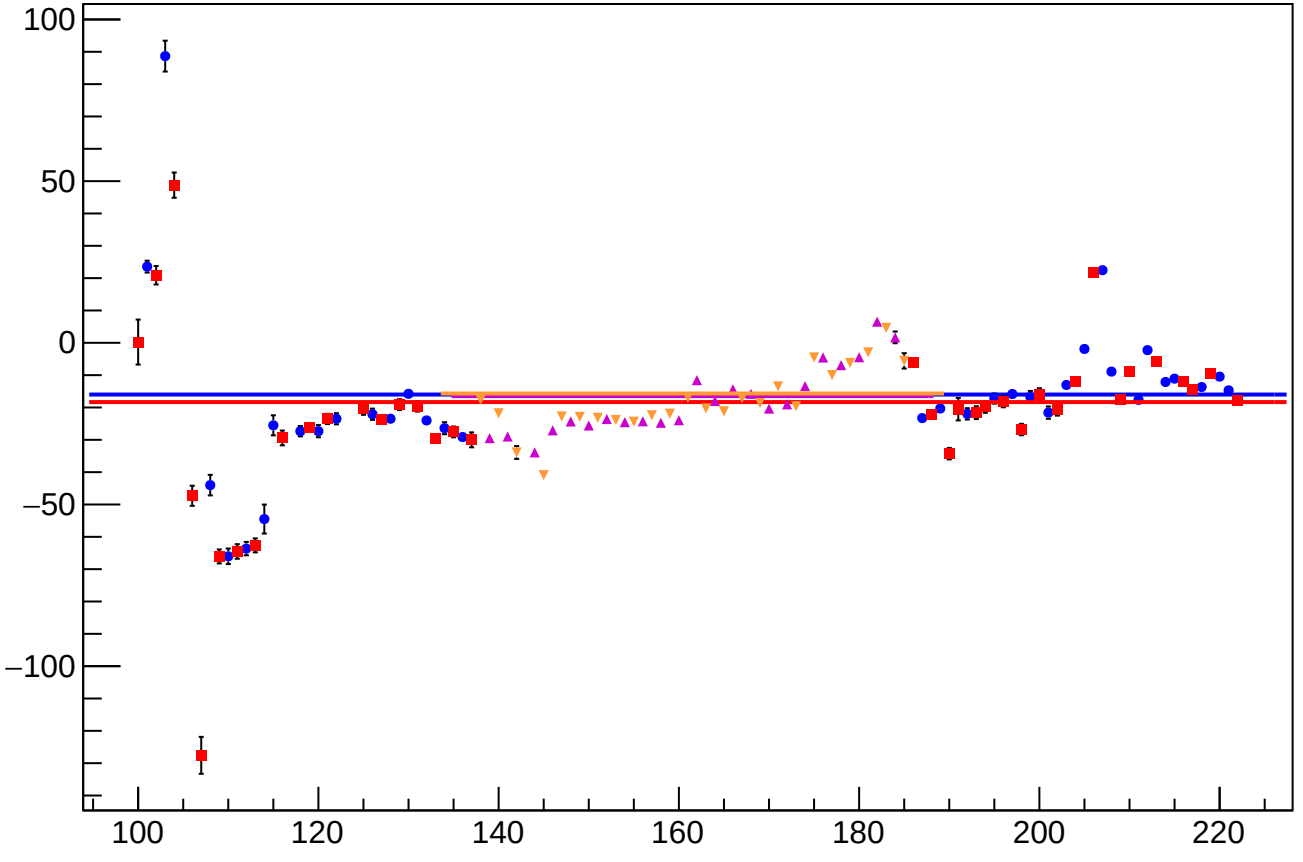
Right: -1.086+/-0.217 χ^2/NDF: 975.2/70

In: -1.436+/-0.171 χ^2/NDF:806.5/56

Out: -1.104+/-0.169 χ^2/NDF:726.0/60

All: -1.268+/-0.120 χ^2/NDF: 1534.4/117

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: -18.329+/-0.250 χ^2/NDF: 3811.6/36

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

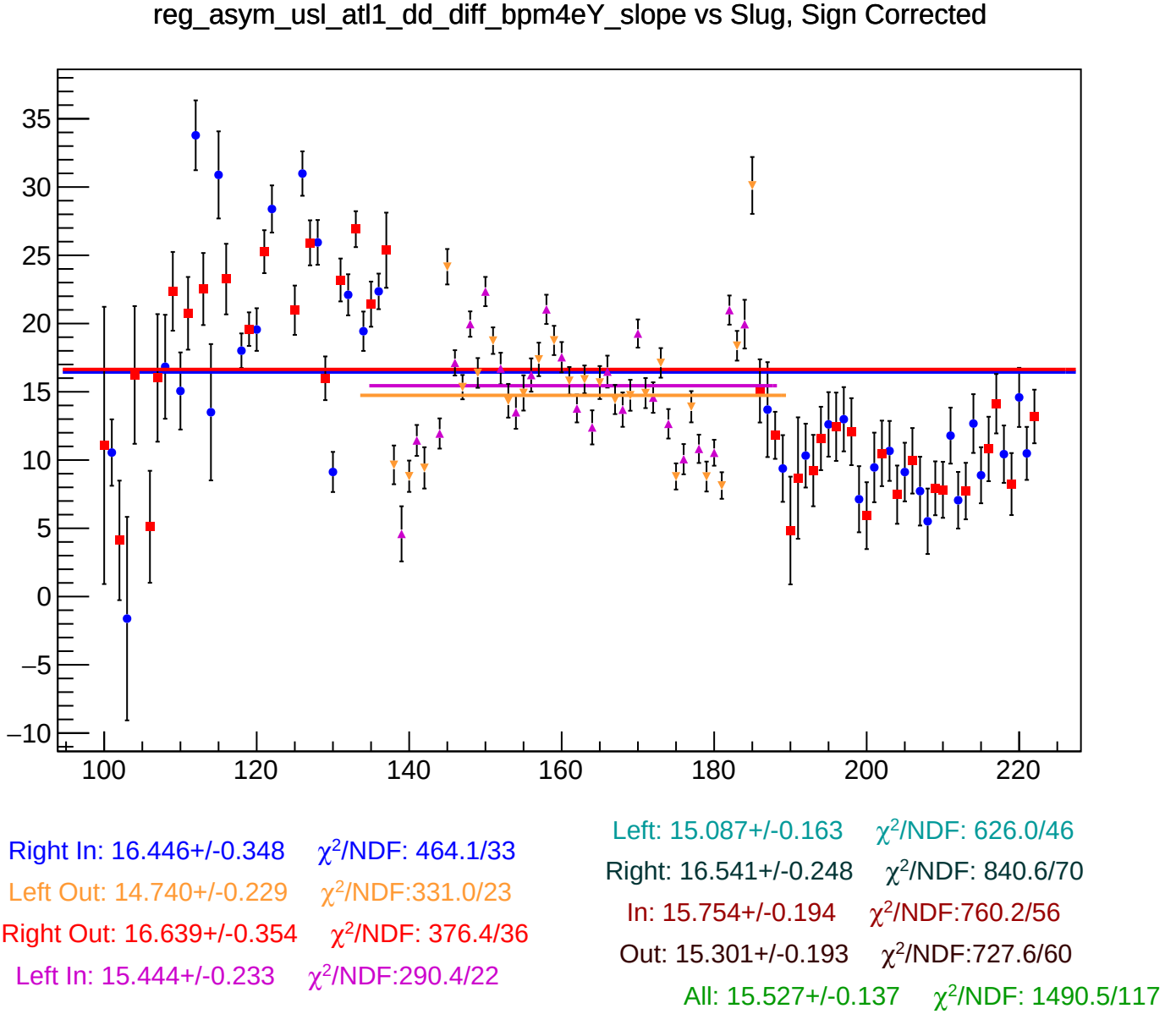
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.184+/-0.179 χ^2/NDF: 7356.1/70

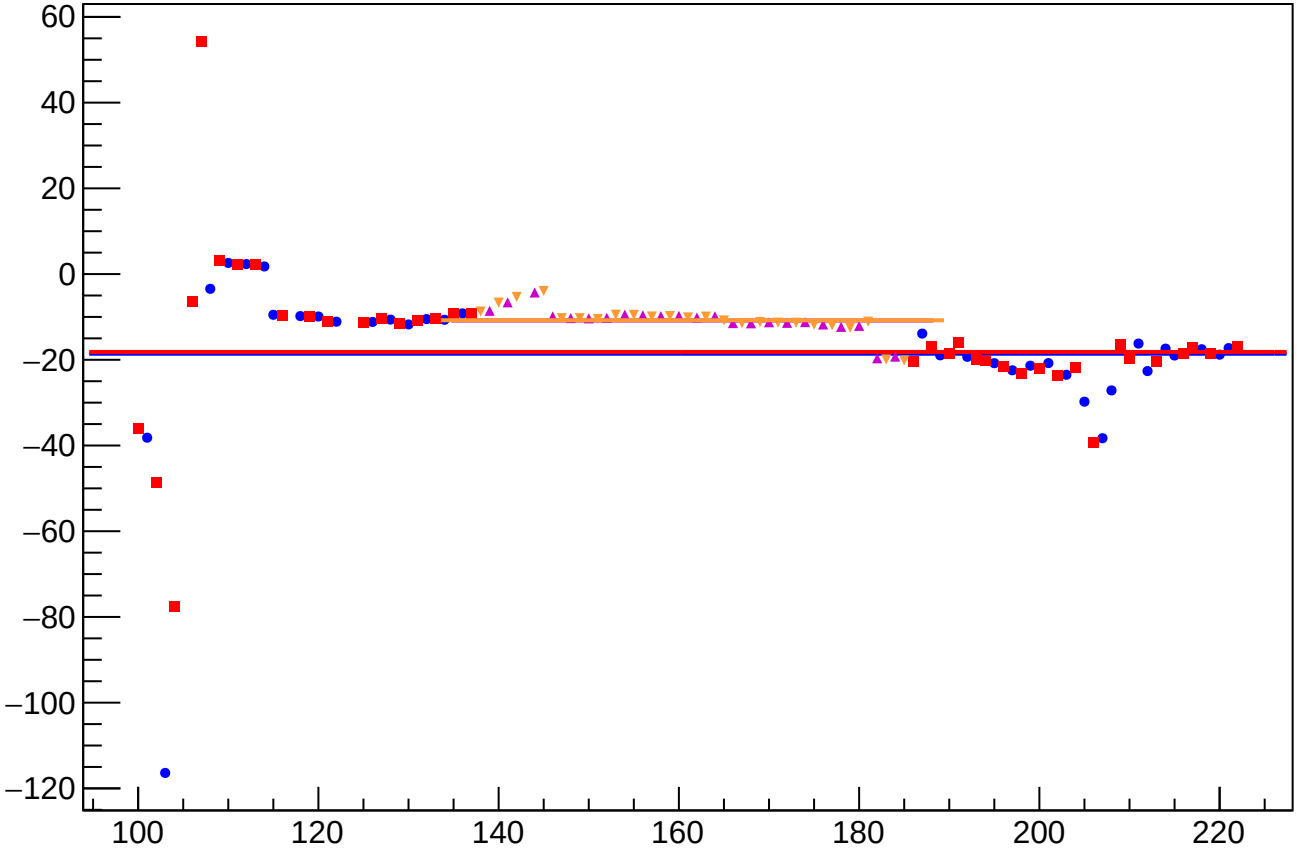
In: -16.229+/-0.184 χ^2/NDF:5201.3/56

Out: -17.067+/-0.181 χ^2/NDF:5385.9/60

All: -16.654+/-0.129 χ^2/NDF: 10597.7/117


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 16.446+/-0.348 χ²/NDF: 464.1/33
Left Out: 14.740+/-0.229 χ²/NDF:331.0/23
Right Out: 16.639+/-0.354 χ²/NDF: 376.4/36
Left In: 15.444+/-0.233 χ²/NDF:290.4/22
Left: 15.087+/-0.163 χ²/NDF: 626.0/46
Right: 16.541+/-0.248 χ²/NDF: 840.6/70
In: 15.754+/-0.194 χ²/NDF:760.2/56
Out: 15.301+/-0.193 χ²/NDF:727.6/60
All: 15.527+/-0.137 χ²/NDF: 1490.5/117

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: -18.167+/-0.017 χ^2/NDF: 433459.8/36

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

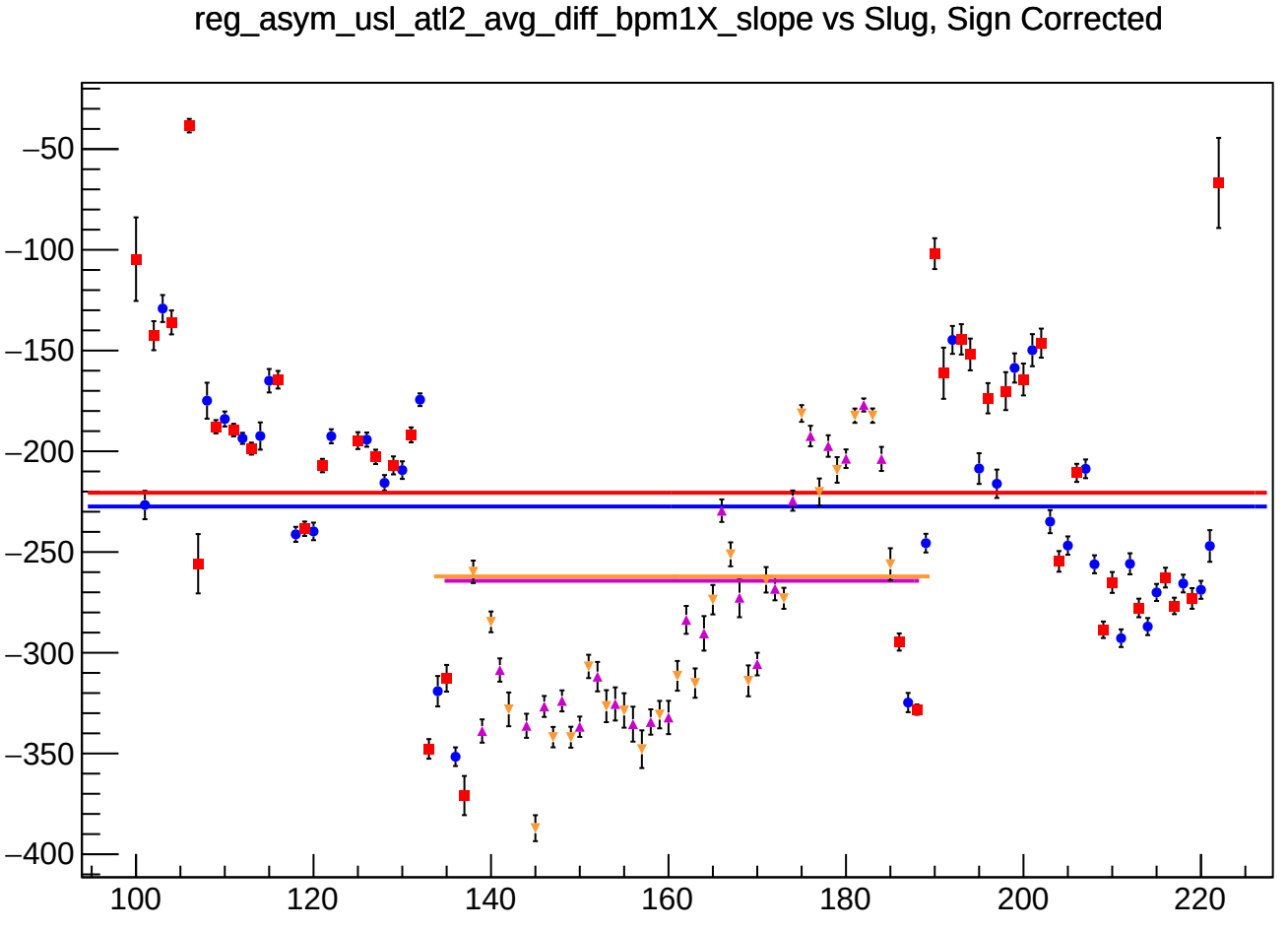
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

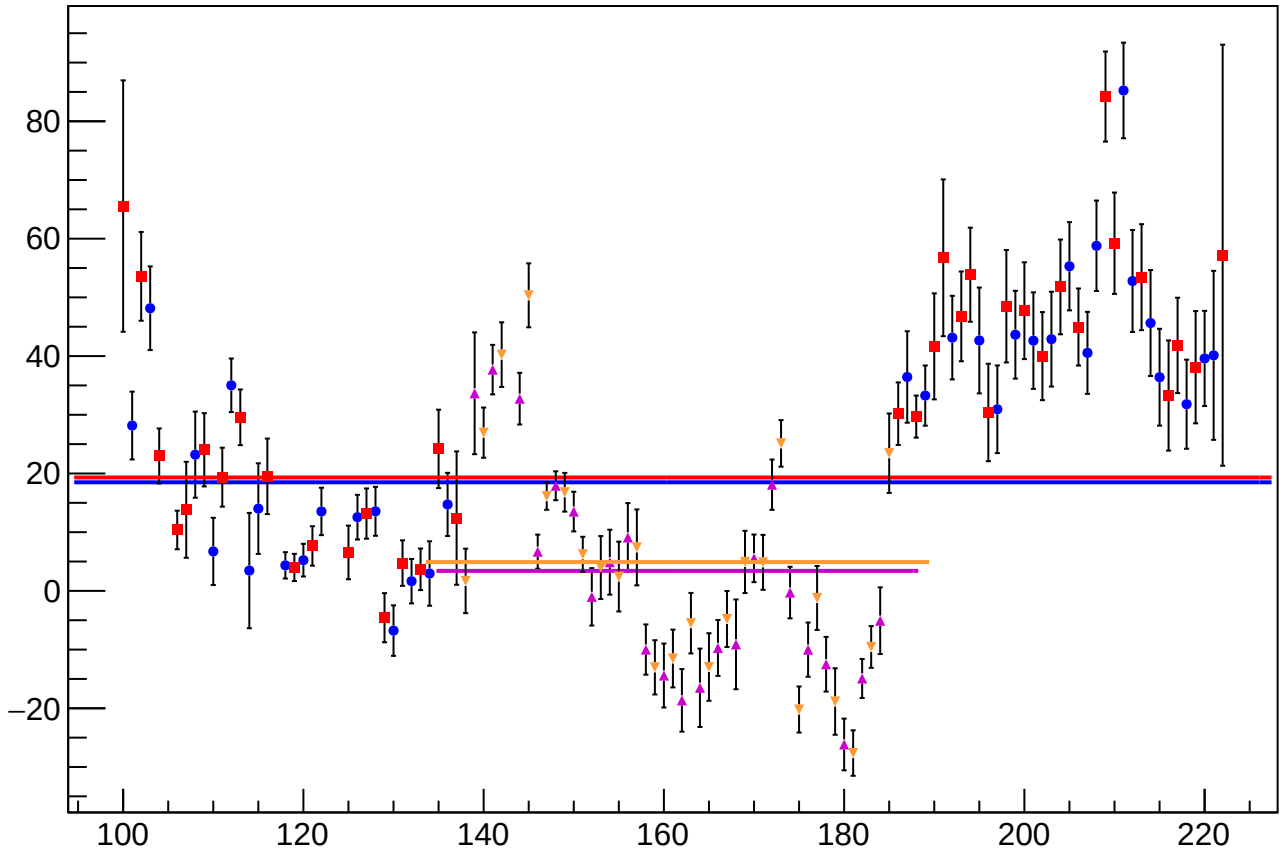
Right: -18.377+/-0.012 χ^2/NDF: 890283.6/70

In: -12.865+/-0.009 χ^2/NDF:678661.9/56

Out: -12.687+/-0.009 χ^2/NDF:651545.2/60

All: -12.776+/-0.006 χ^2/NDF: 1330410.2/117


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -227.410+/-0.802 χ²/NDF: 3625.1/33
Left Out: -262.110+/-1.179 χ²/NDF:2964.6/23
Right Out: -220.567+/-0.766 χ²/NDF: 8700.0/36
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.185+/-0.836 χ²/NDF: 5708.1/46
Right: -223.833+/-0.554 χ²/NDF: 12363.2/70
In: -238.976+/-0.664 χ²/NDF:7030.3/56
Out: -232.893+/-0.642 χ²/NDF:12537.3/60
All: -235.833+/-0.462 χ²/NDF: 19611.0/117



Right In: 18.498+/-0.920 χ^2/NDF: 405.6/33

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.316+/-0.891 χ^2/NDF: 413.9/36

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

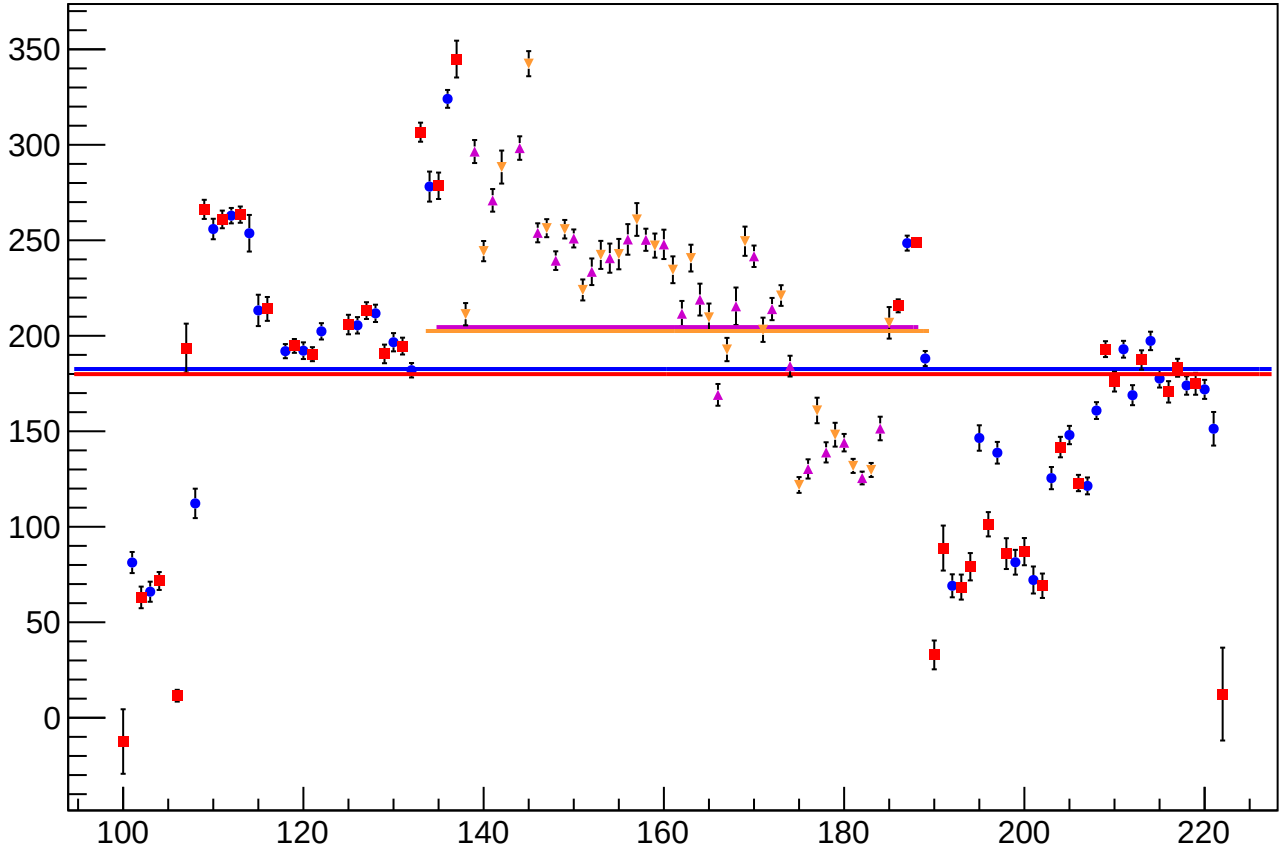
Right: 18.920+/-0.640 χ^2/NDF: 819.9/70

In: 10.793+/-0.644 χ^2/NDF:876.3/56

Out: 12.074+/-0.628 χ^2/NDF:944.2/60

All: 11.449+/-0.450 χ^2/NDF: 1822.5/117

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 182.606+/-0.855 χ^2/NDF: 4361.0/33

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.927+/-0.798 χ^2/NDF: 9551.9/36

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

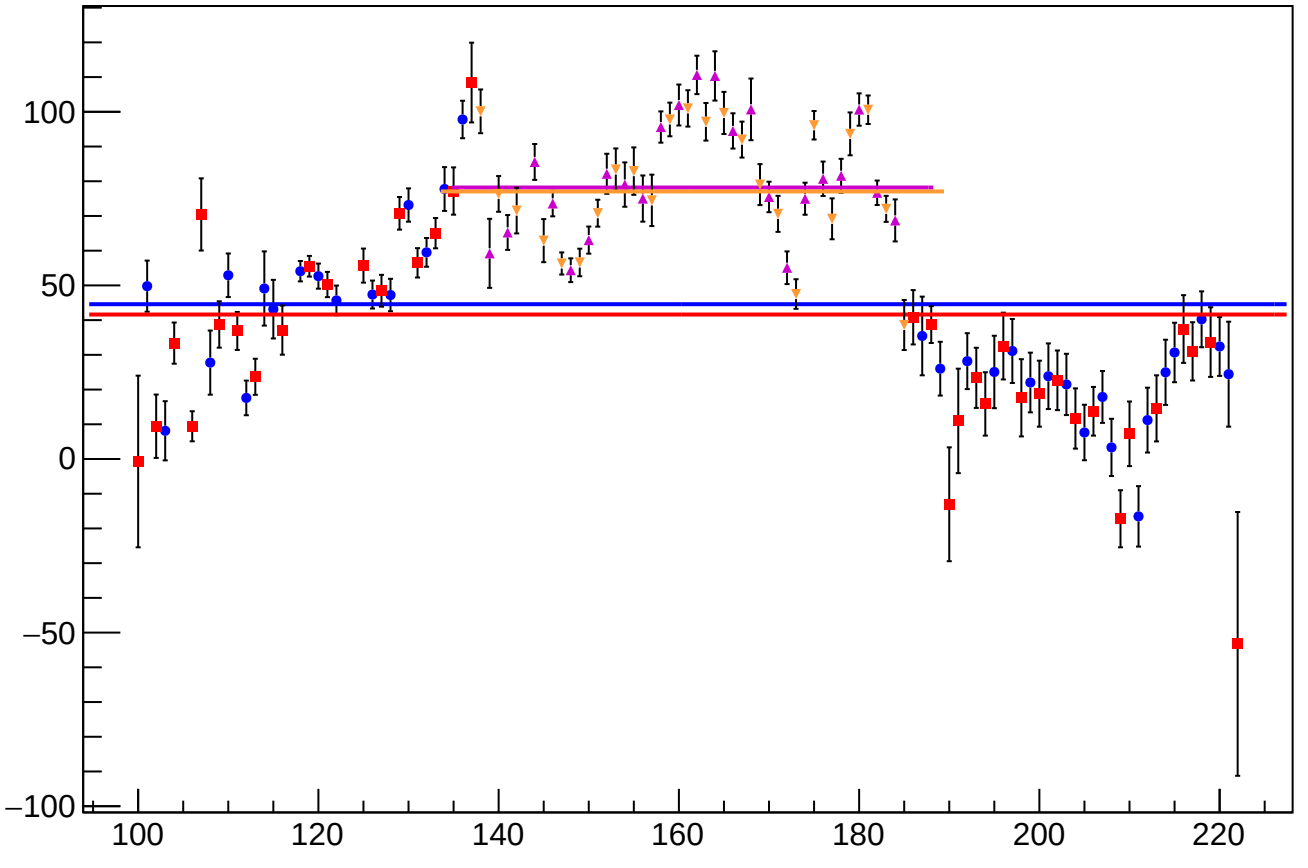
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.173+/-0.583 χ^2/NDF: 13918.1/70

In: 190.189+/-0.692 χ^2/NDF:6874.3/56

Out: 187.069+/-0.660 χ^2/NDF:12198.9/60

All: 188.554+/-0.477 χ^2/NDF: 19083.9/117



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: 41.613+/-1.046 χ^2/NDF: 425.6/36

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

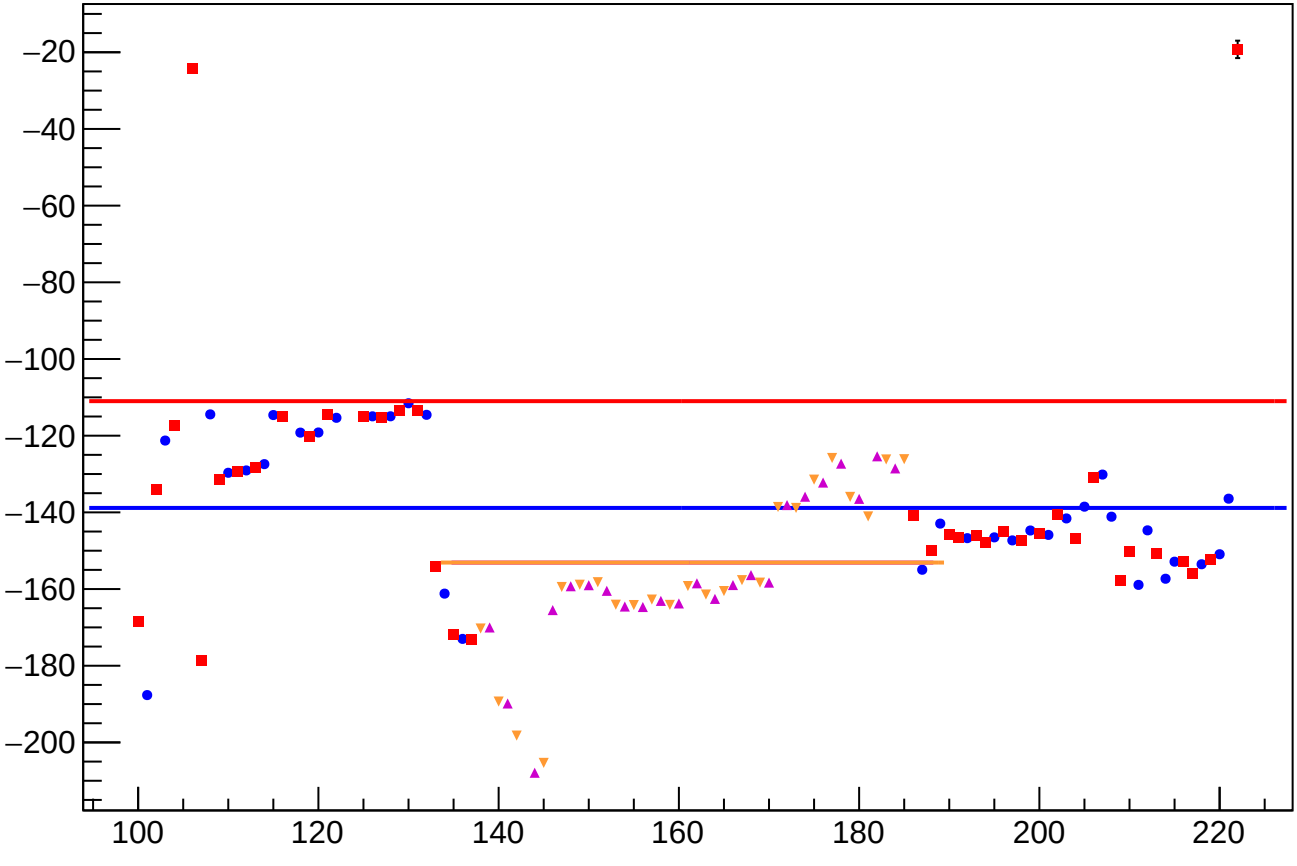
Right: 43.070+/-0.747 χ^2/NDF: 839.8/70

In: 62.047+/-0.739 χ^2/NDF:1158.5/56

Out: 59.871+/-0.729 χ^2/NDF:1328.1/60

All: 60.944+/-0.519 χ^2/NDF: 2491.0/117

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -138.841+/-0.058 χ^2/NDF: 110886.0/33

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -110.993+/-0.050 χ^2/NDF: 1039439.9/36

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

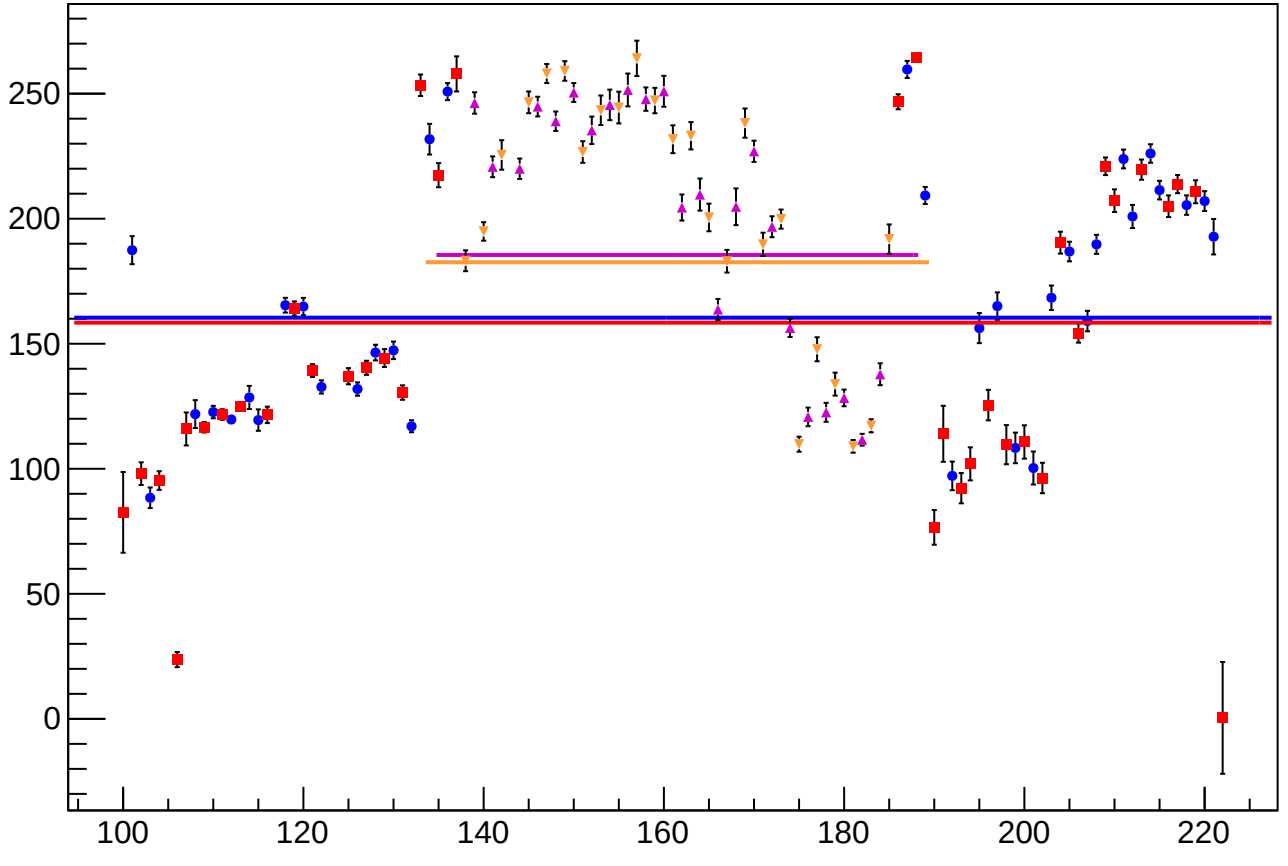
Right: -122.941+/-0.038 χ^2/NDF: 1282326.8/70

In: -147.494+/-0.036 χ^2/NDF:314313.8/56

Out: -133.466+/-0.034 χ^2/NDF:1592283.1/60

All: -140.074+/-0.025 χ^2/NDF: 1985484.7/11

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 158.431+/-0.584 χ^2/NDF: 10799.7/36

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

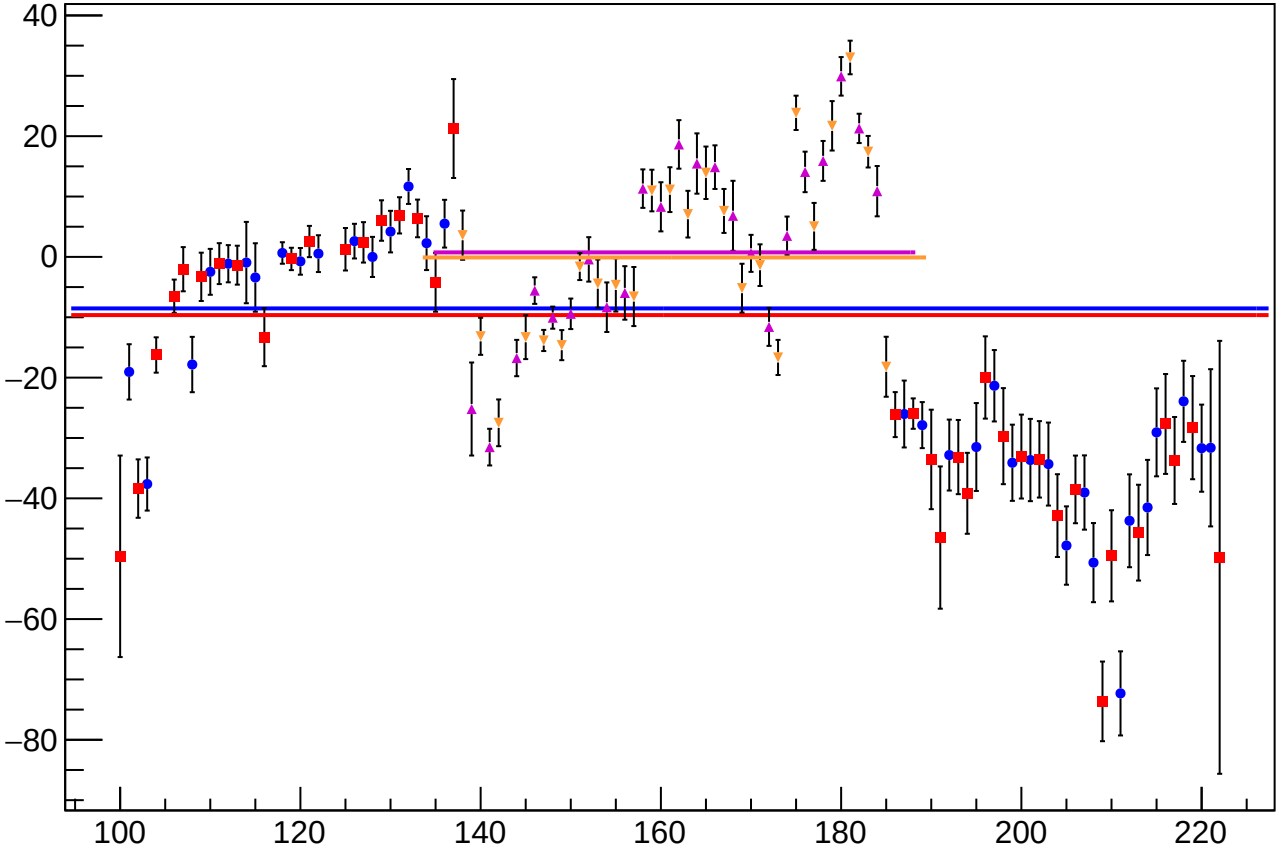
Right: 159.362+/-0.426 χ^2/NDF: 16056.1/70

In: 168.871+/-0.506 χ^2/NDF:9621.0/56

Out: 165.986+/-0.484 χ^2/NDF:15487.1/60

All: 167.364+/-0.350 χ^2/NDF: 25125.0/117

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -9.640+/-0.679 χ^2/NDF: 594.1/36

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

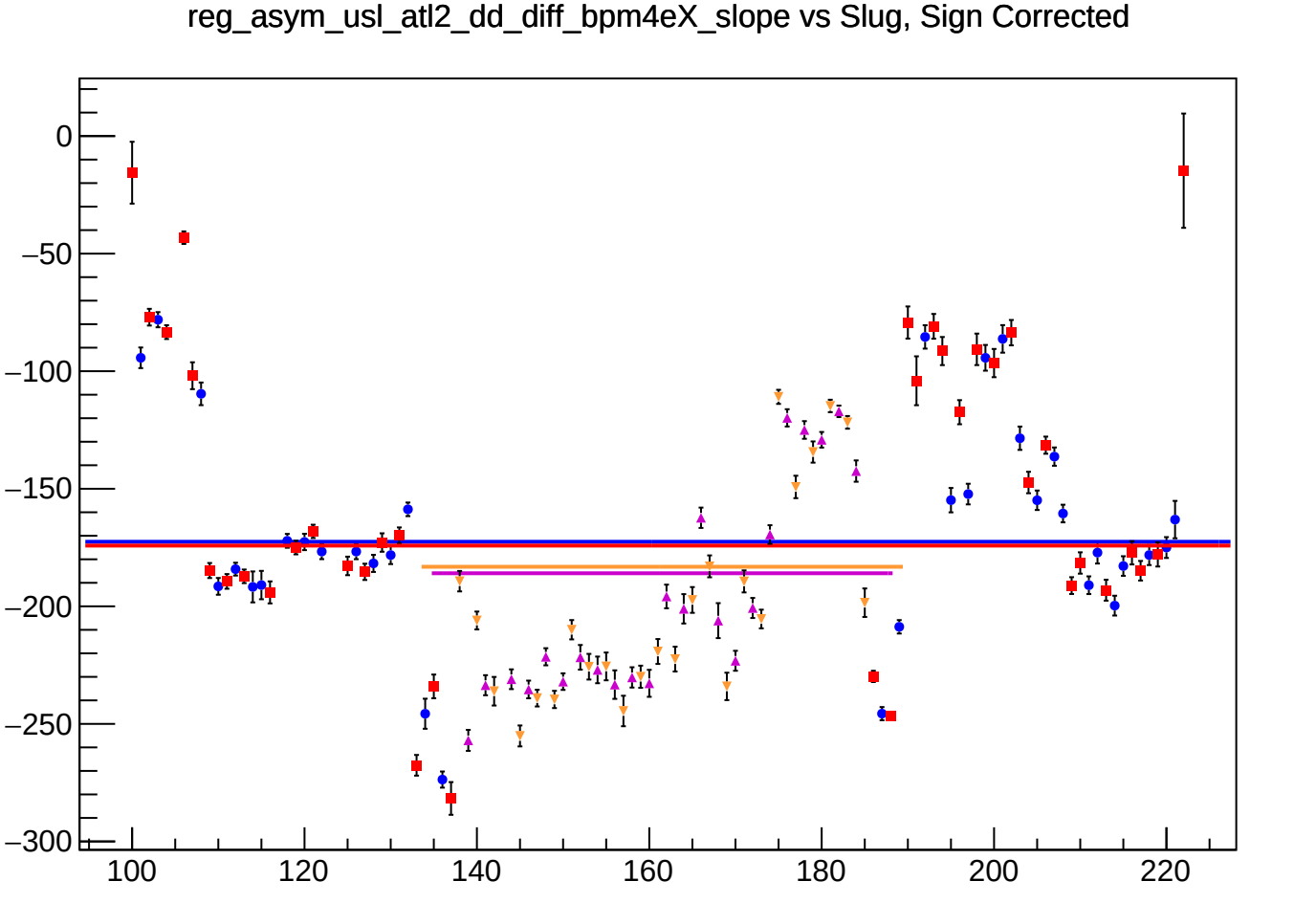
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

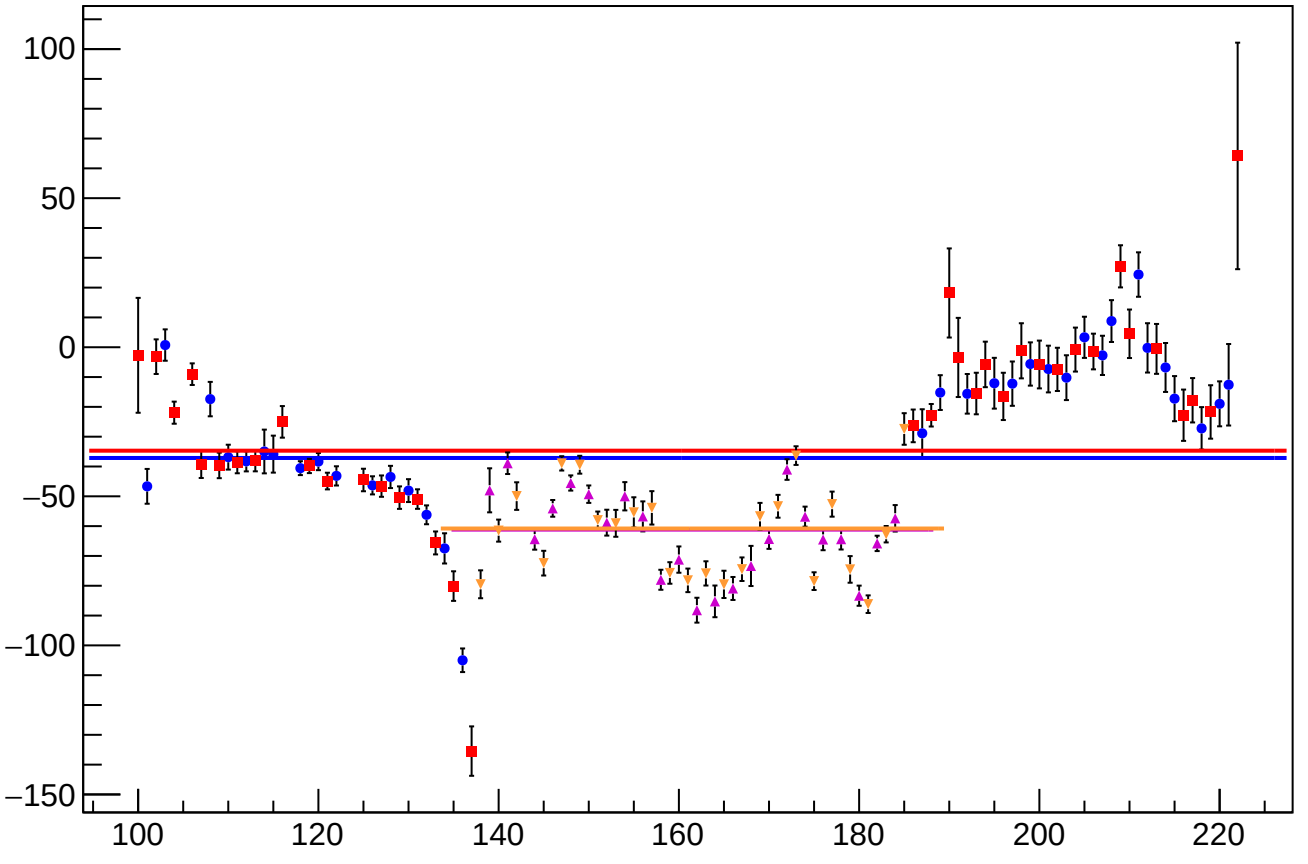
Right: -9.115+/-0.492 χ^2/NDF: 1171.9/70

In: -3.577+/-0.486 χ^2/NDF:1165.0/56

Out: -4.693+/-0.471 χ^2/NDF:1251.9/60

All: -4.152+/-0.338 χ^2/NDF: 2419.6/117


reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
220
Right In: -172.545+/-0.667 χ²/NDF: 4317.3/33
Left Out: -183.175+/-0.862 χ²/NDF:3361.2/23
Right Out: -174.175+/-0.609 χ²/NDF: 10094.2/36
Left In: -185.936+/-0.867 χ²/NDF:3181.6/22
Left: -184.548+/-0.611 χ²/NDF: 6547.8/46
Right: -173.434+/-0.450 χ²/NDF: 14414.8/70
In: -177.525+/-0.529 χ²/NDF:7648.7/56
Out: -177.171+/-0.497 χ²/NDF:13528.0/60
All: -177.337+/-0.362 χ²/NDF: 21177.0/117



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: -34.696+/-0.800 χ^2/NDF: 758.0/36

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

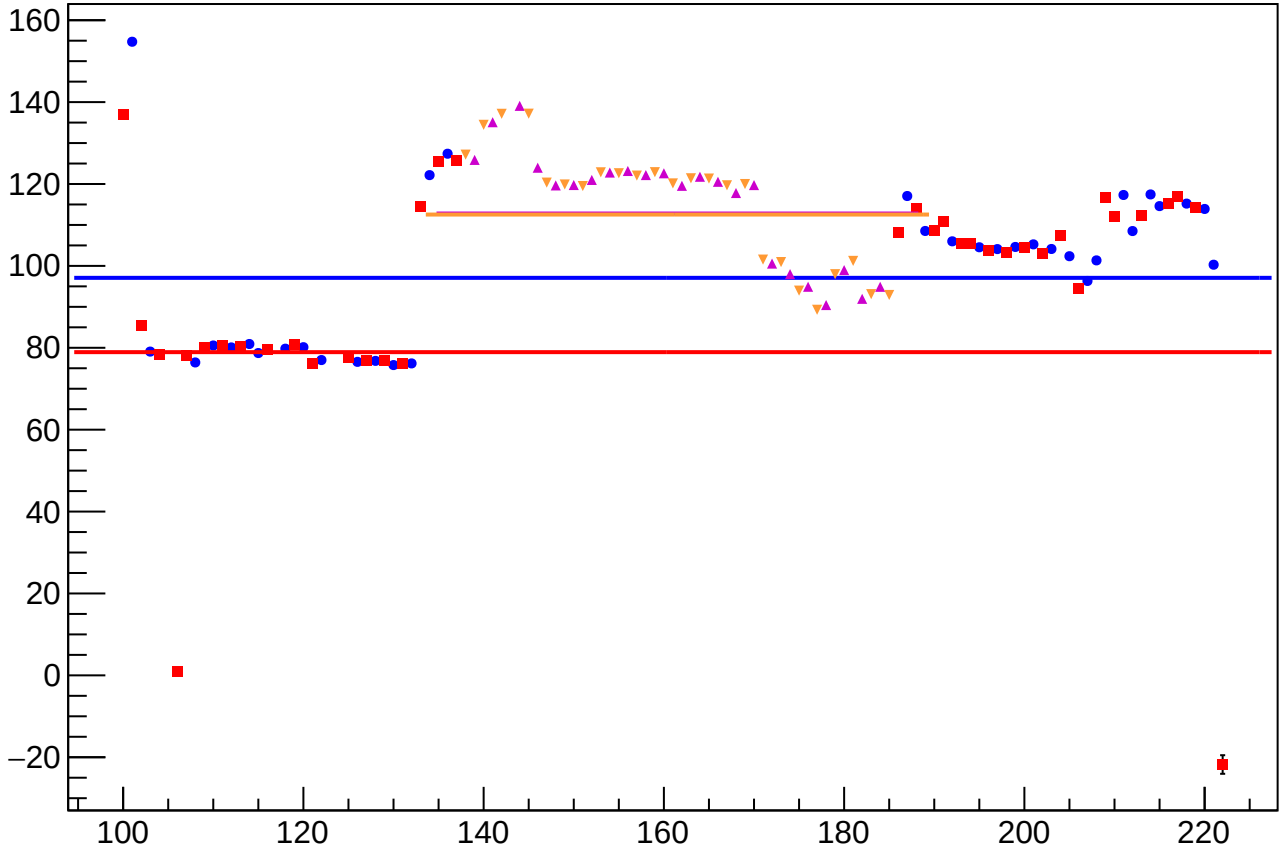
Right: -35.877+/-0.575 χ^2/NDF: 1536.3/70

In: -50.221+/-0.558 χ^2/NDF:1550.1/56

Out: -48.605+/-0.547 χ^2/NDF:1799.6/60

All: -49.396+/-0.391 χ^2/NDF: 3354.0/117

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.083+/-0.045 χ^2/NDF: 195675.9/33

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.936+/-0.040 χ^2/NDF: 932421.0/36

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

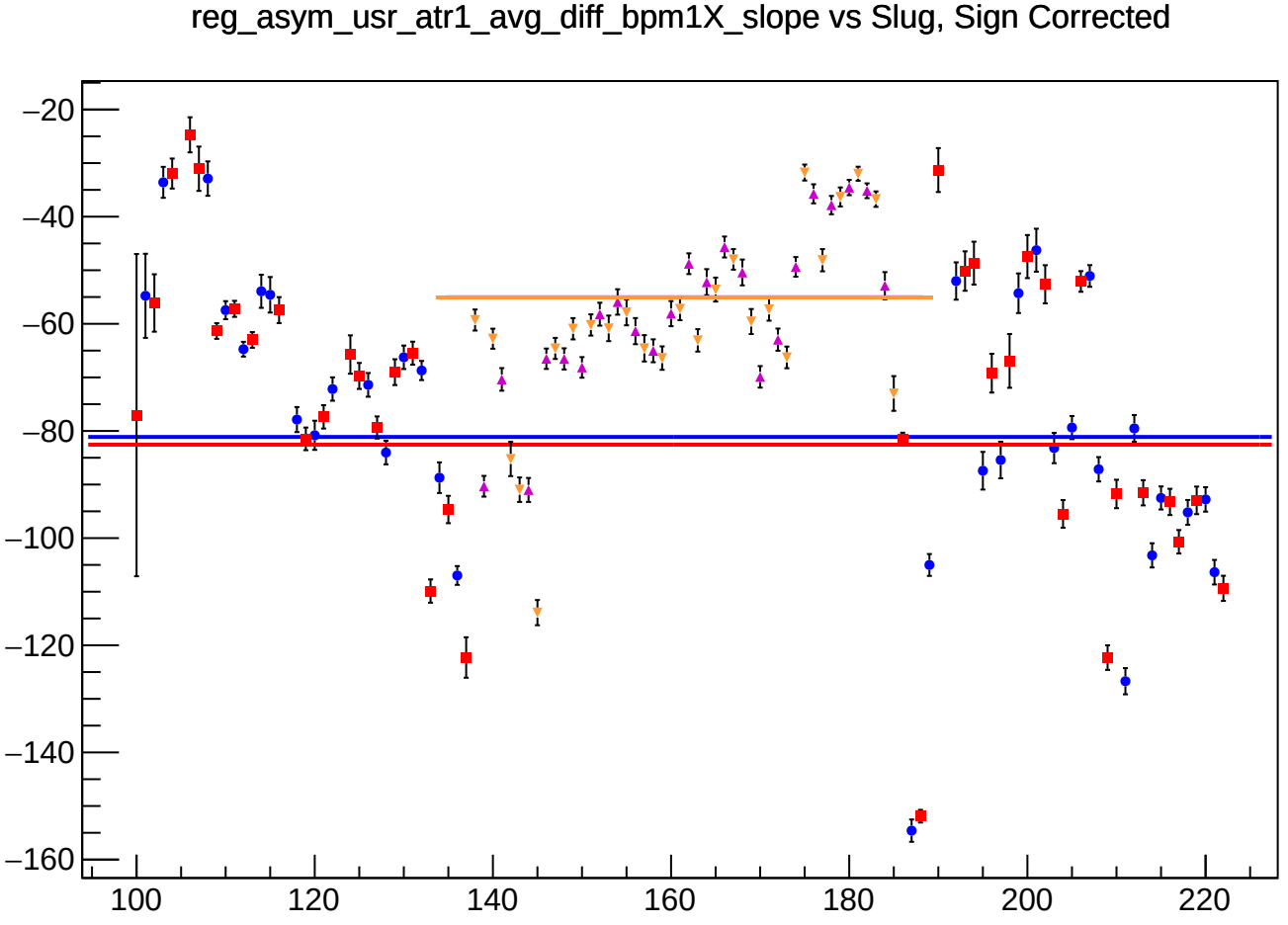
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.931+/-0.030 χ^2/NDF: 1219854.9/70

In: 106.962+/-0.027 χ^2/NDF:444636.0/56

Out: 98.068+/-0.026 χ^2/NDF:1513532.1/60

All: 102.314+/-0.019 χ^2/NDF: 2013627.0/117



Right In: -81.121+/-0.403 χ^2/NDF: 3816.1/33

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -82.555+/-0.375 χ^2/NDF: 6808.7/36

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

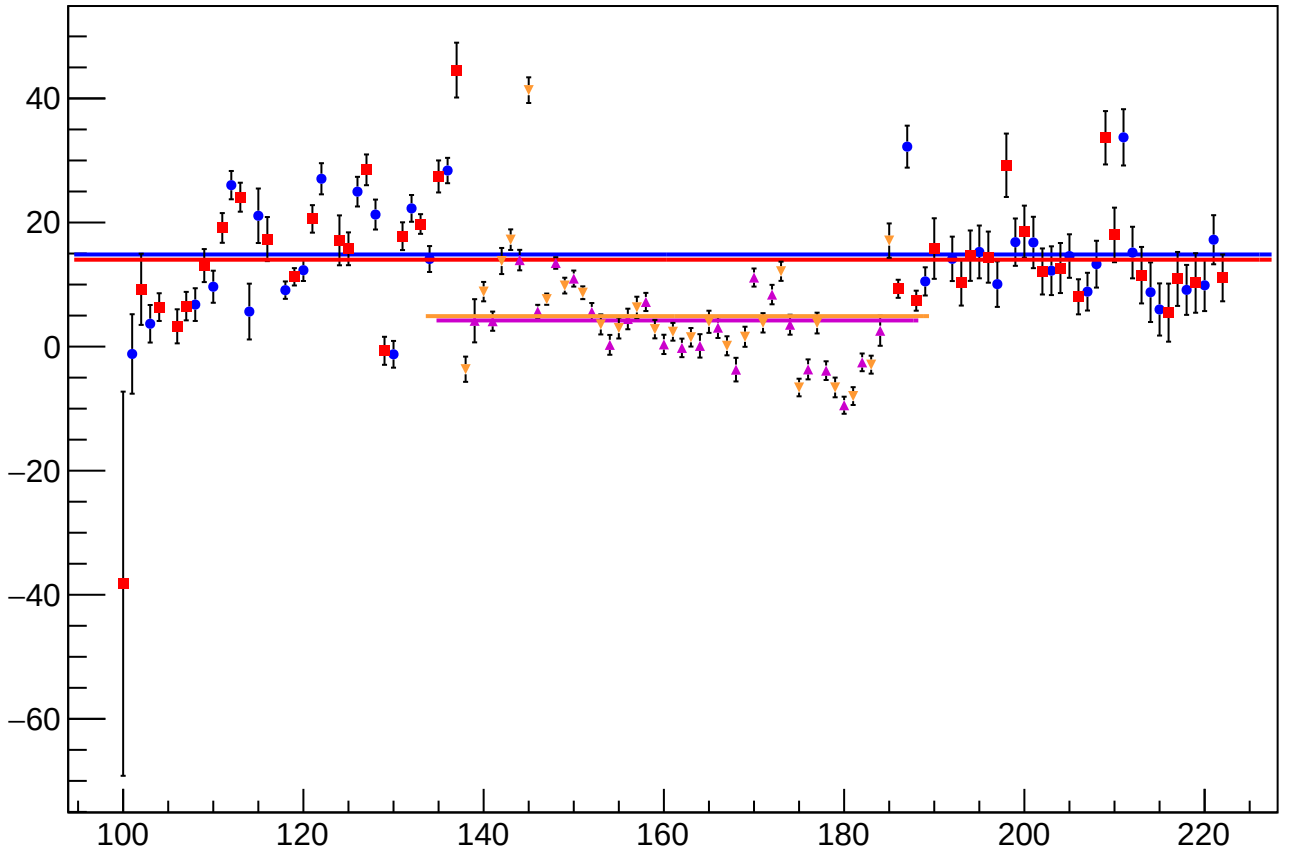
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -81.891+/-0.274 χ^2/NDF: 10631.5/70

In: -68.318+/-0.288 χ^2/NDF:7411.1/56

Out: -69.735+/-0.274 χ^2/NDF:11321.9/61

All: -69.062+/-0.198 χ^2/NDF: 18745.8/118



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: 14.006+/-0.446 χ^2/NDF: 316.5/36

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

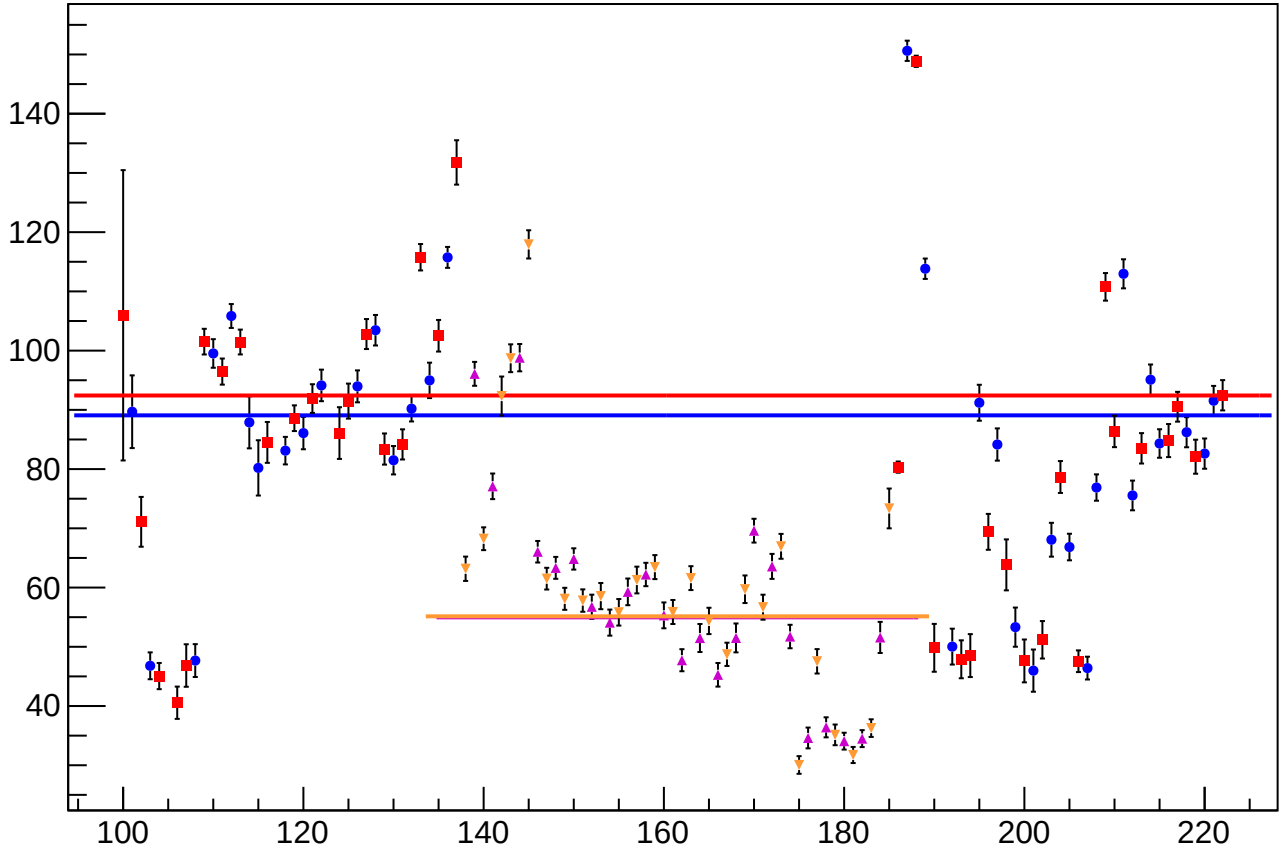
Right: 14.394+/-0.328 χ^2/NDF: 624.7/70

In: 7.354+/-0.262 χ^2/NDF:1063.7/56

Out: 7.758+/-0.250 χ^2/NDF:1343.2/61

All: 7.566+/-0.181 χ^2/NDF: 2408.1/118

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: 92.426+/-0.381 χ^2/NDF: 6633.6/36

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

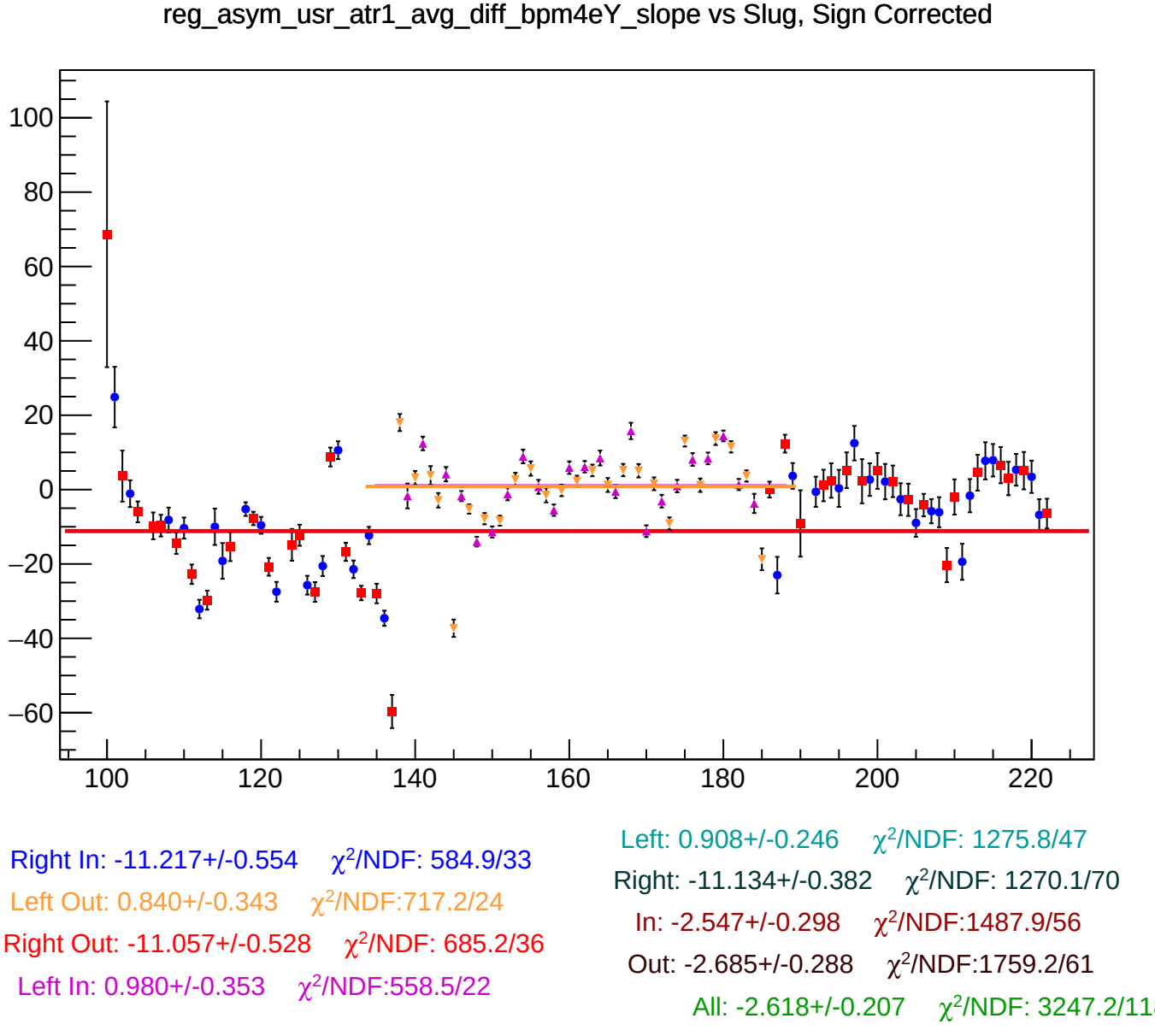
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

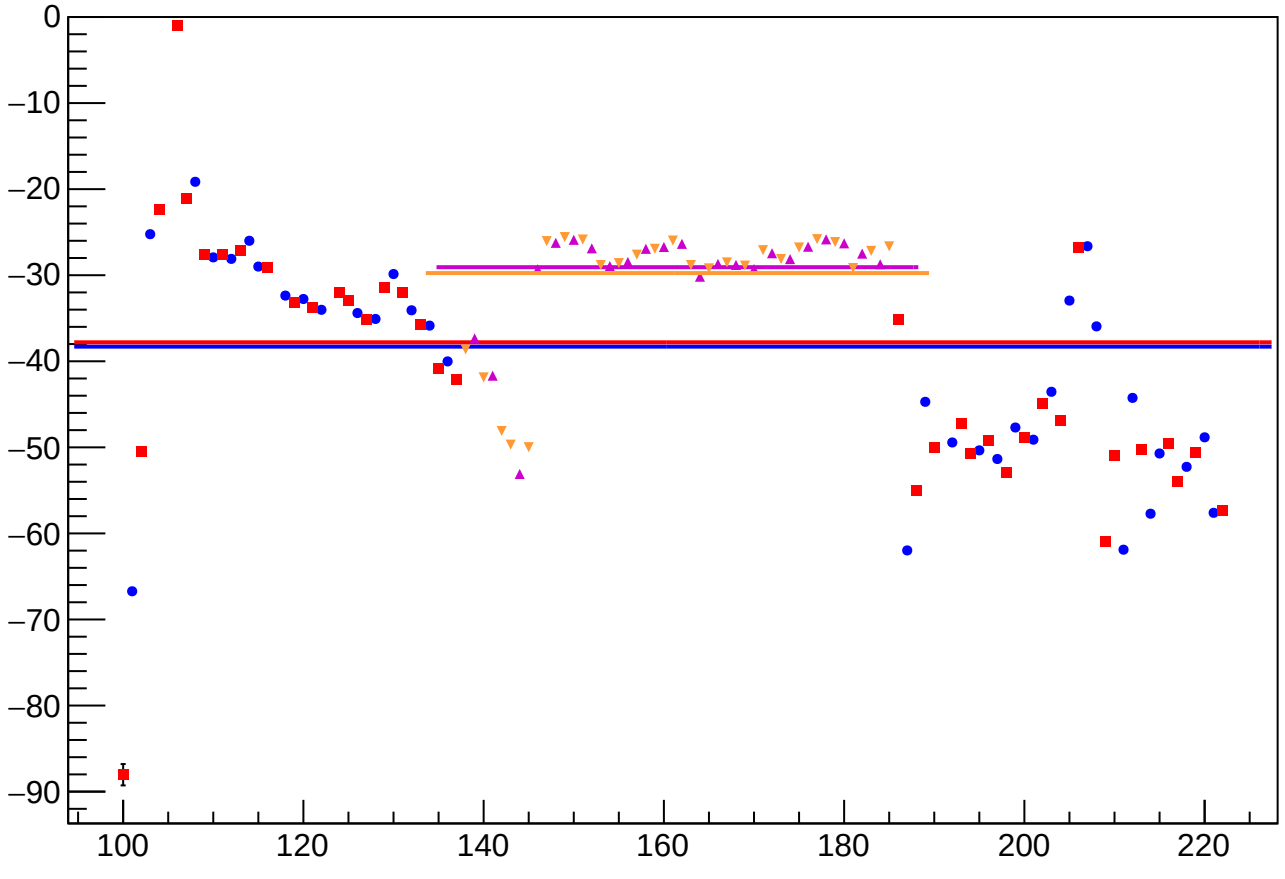
Right: 90.932+/-0.283 χ^2/NDF: 10369.9/70

In: 71.246+/-0.293 χ^2/NDF:8855.8/56

Out: 74.565+/-0.275 χ^2/NDF:13472.7/61

All: 73.013+/-0.200 χ^2/NDF: 22396.7/118


reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
220
Right In: -11.217+/-0.554 χ²/NDF: 584.9/33
Left Out: 0.840+/-0.343 χ²/NDF:717.2/24
Right Out: -11.057+/-0.528 χ²/NDF: 685.2/36
Left In: 0.980+/-0.353 χ²/NDF:558.5/22
Left: 0.908+/-0.246 χ²/NDF: 1275.8/47
Right: -11.134+/-0.382 χ²/NDF: 1270.1/70
In: -2.547+/-0.298 χ²/NDF:1487.9/56
Out: -2.685+/-0.288 χ²/NDF:1759.2/61
All: -2.618+/-0.207 χ²/NDF: 3247.2/118



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: -37.795+/-0.027 χ^2/NDF: 247424.9/36

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

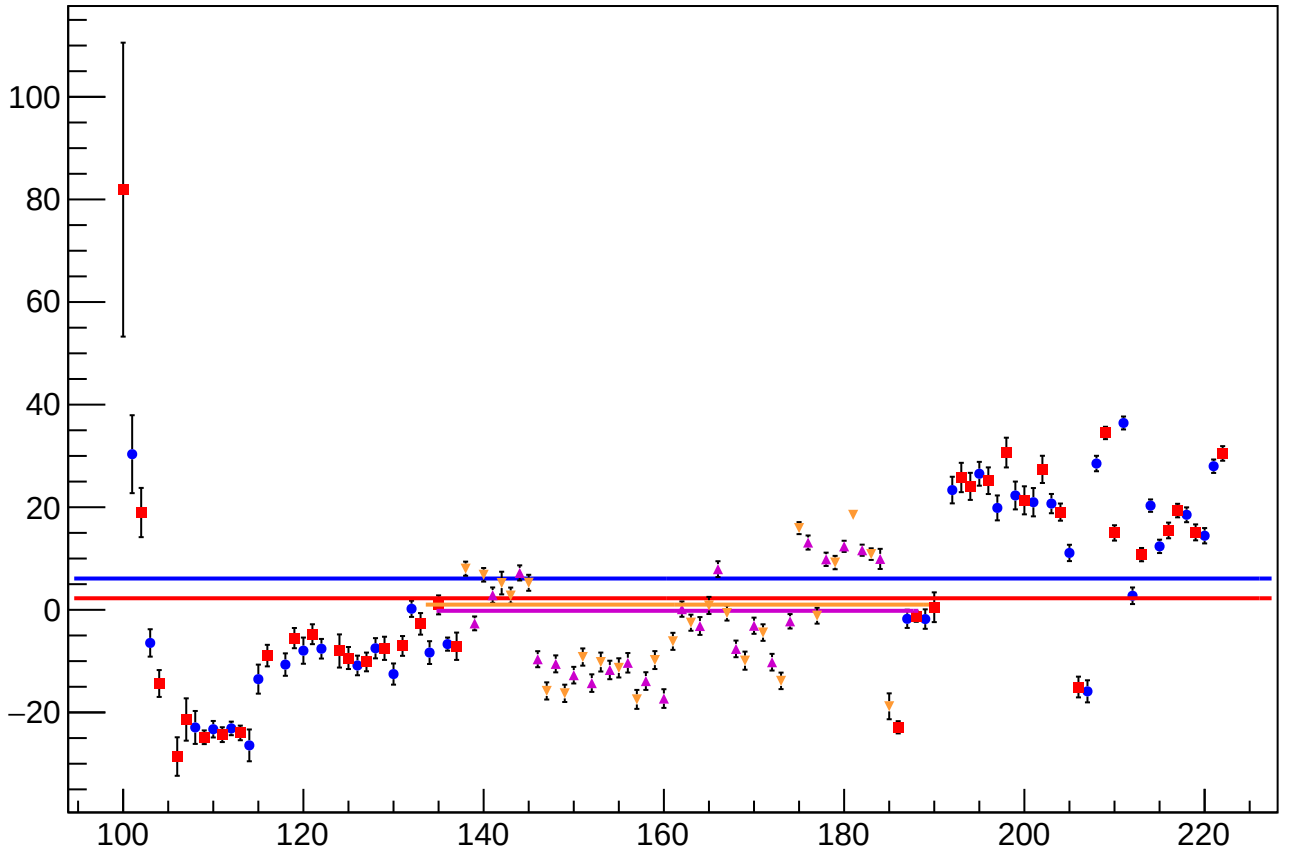
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -38.043+/-0.020 χ^2/NDF: 400039.7/70

In: -31.323+/-0.014 χ^2/NDF:337459.3/56

Out: -31.712+/-0.014 χ^2/NDF:475907.2/61

All: -31.520+/-0.010 χ^2/NDF: 813773.5/118



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: 2.254+/-0.299 χ^2/NDF: 4065.7/36

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

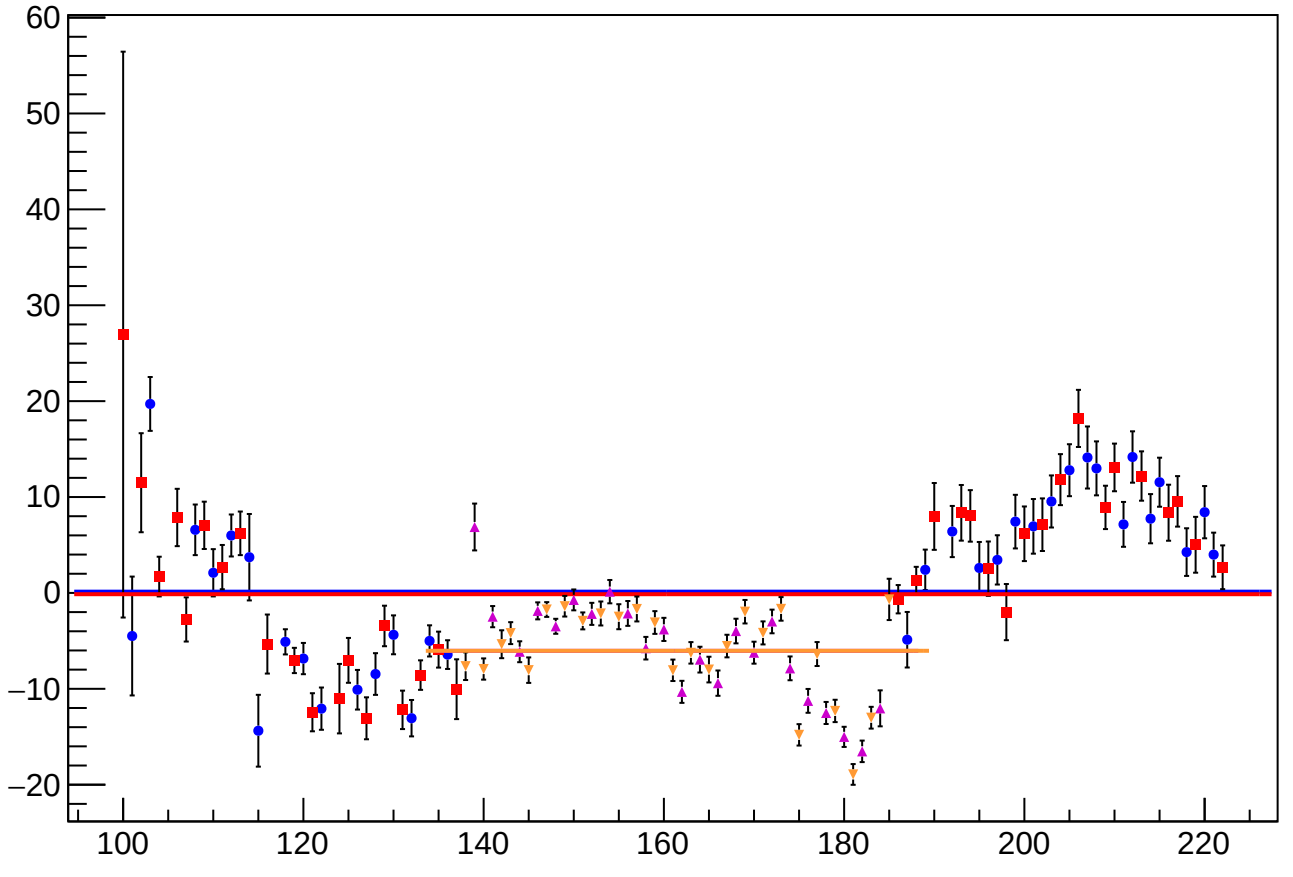
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 4.123+/-0.215 χ^2/NDF: 7521.7/70

In: 3.023+/-0.220 χ^2/NDF:4563.0/56

Out: 1.646+/-0.213 χ^2/NDF:5409.1/61

All: 2.314+/-0.153 χ^2/NDF: 9992.3/118



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: -0.133+/-0.380 χ^2/NDF: 432.2/36

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

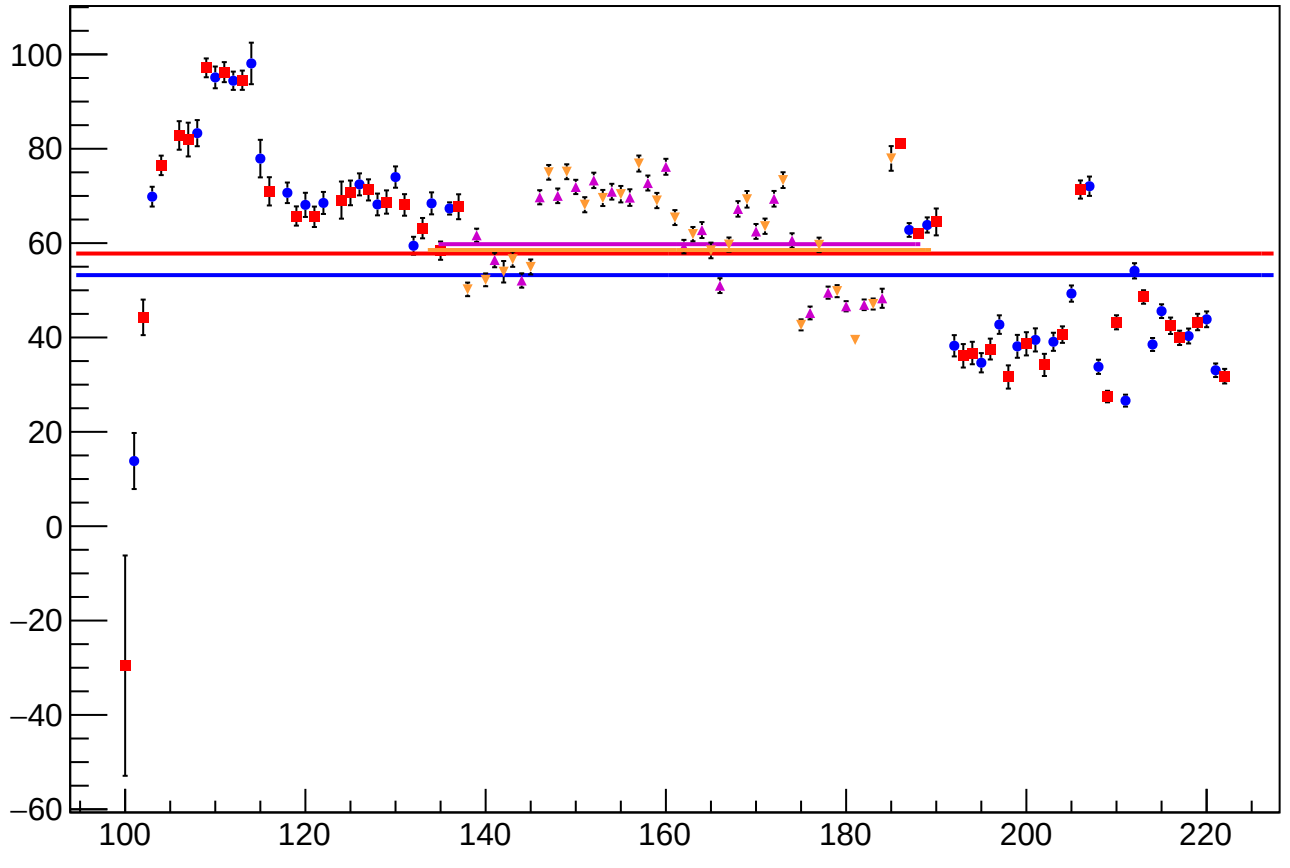
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.006+/-0.274 χ^2/NDF: 876.5/70

In: -4.357+/-0.207 χ^2/NDF:1017.0/56

Out: -4.421+/-0.199 χ^2/NDF:1022.2/61

All: -4.391+/-0.143 χ^2/NDF: 2039.2/118



Right In: 53.217+/-0.324 χ^2/NDF: 3159.6/33

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 57.792+/-0.307 χ^2/NDF: 4042.9/36

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

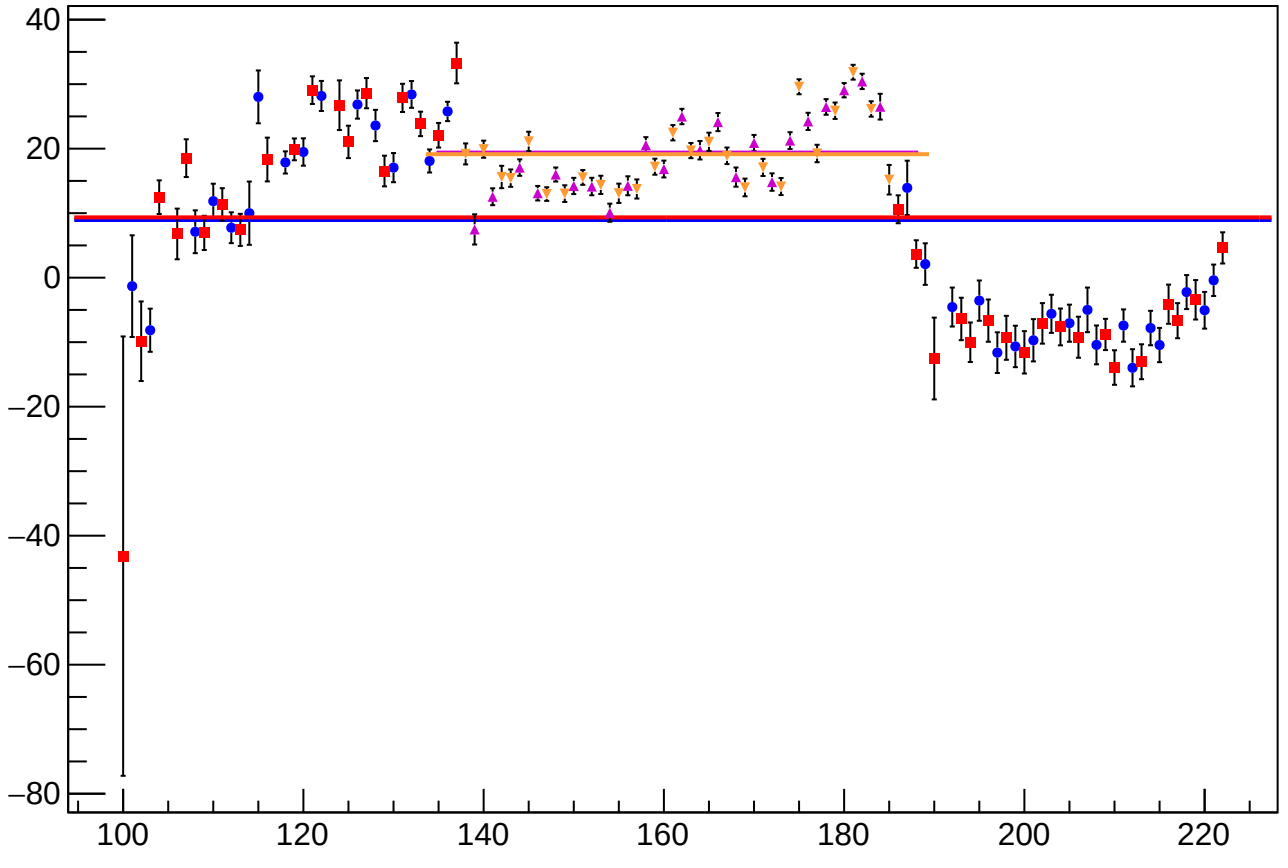
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 55.628+/-0.223 χ^2/NDF: 7307.9/70

In: 56.621+/-0.224 χ^2/NDF:4443.5/56

Out: 58.168+/-0.215 χ^2/NDF:5495.1/61

All: 57.426+/-0.155 χ^2/NDF: 9963.3/118



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: 9.347+/-0.441 χ^2/NDF: 1056.6/36

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

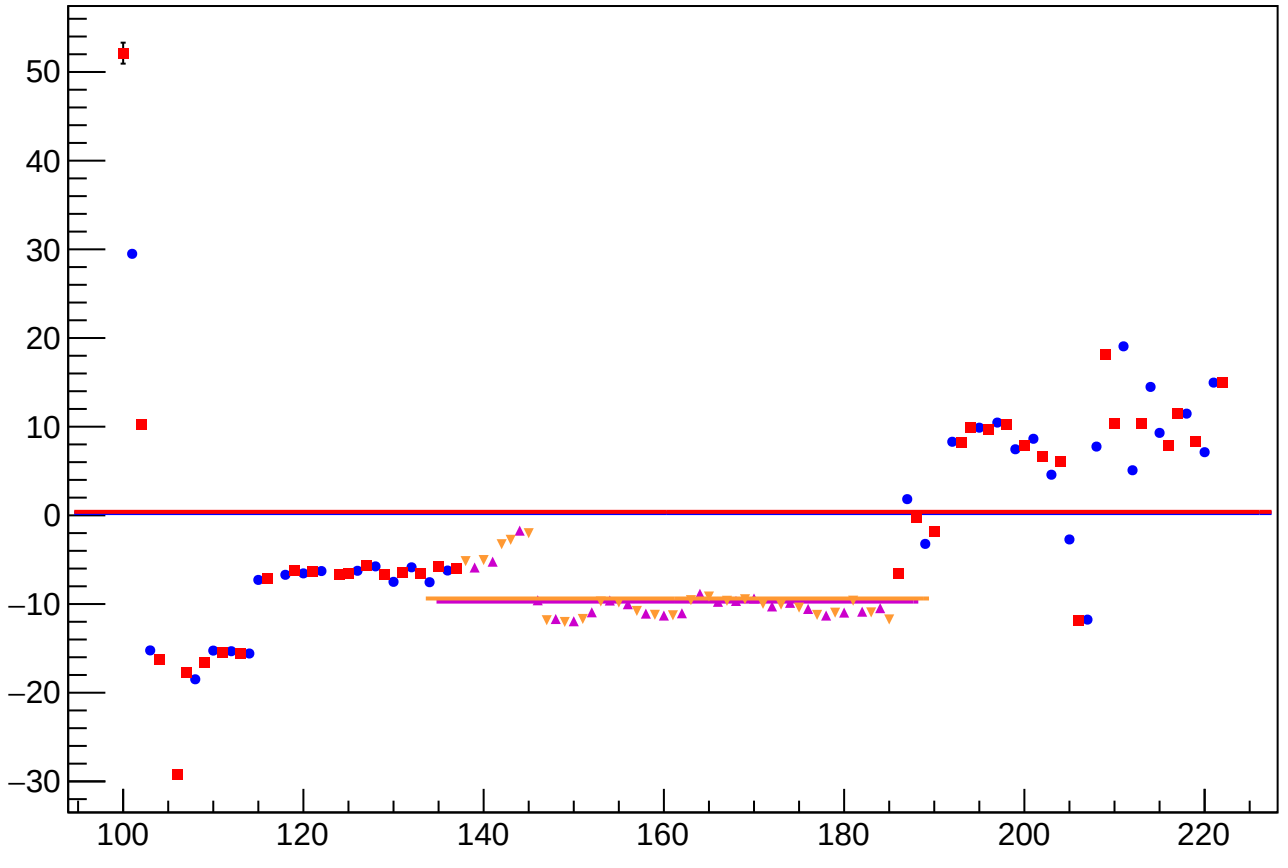
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 9.146+/-0.314 χ^2/NDF: 2106.6/70

In: 16.544+/-0.233 χ^2/NDF:1914.6/56

Out: 16.556+/-0.227 χ^2/NDF:1853.0/61

All: 16.550+/-0.163 χ^2/NDF: 3767.6/118



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: 0.398+/-0.022 χ^2/NDF: 258676.3/36

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

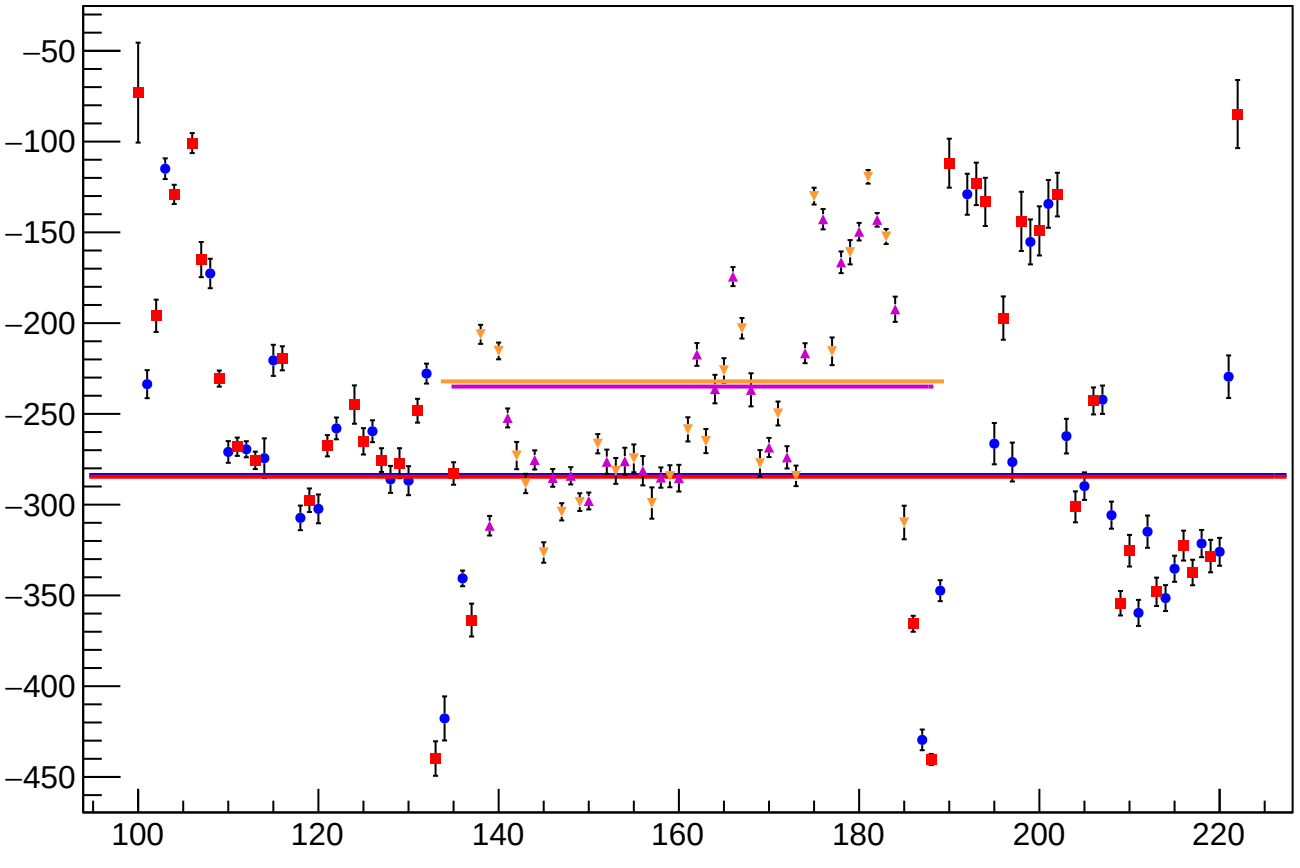
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: 0.328+/-0.015 χ^2/NDF: 488282.9/70

In: -7.332+/-0.011 χ^2/NDF:424447.4/56

Out: -7.123+/-0.010 χ^2/NDF:464454.8/61

All: -7.226+/-0.007 χ^2/NDF: 889099.8/118



Right In: -283.654+/-1.234 χ^2/NDF: 3211.6/33

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -284.617+/-1.137 χ^2/NDF: 7199.9/36

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

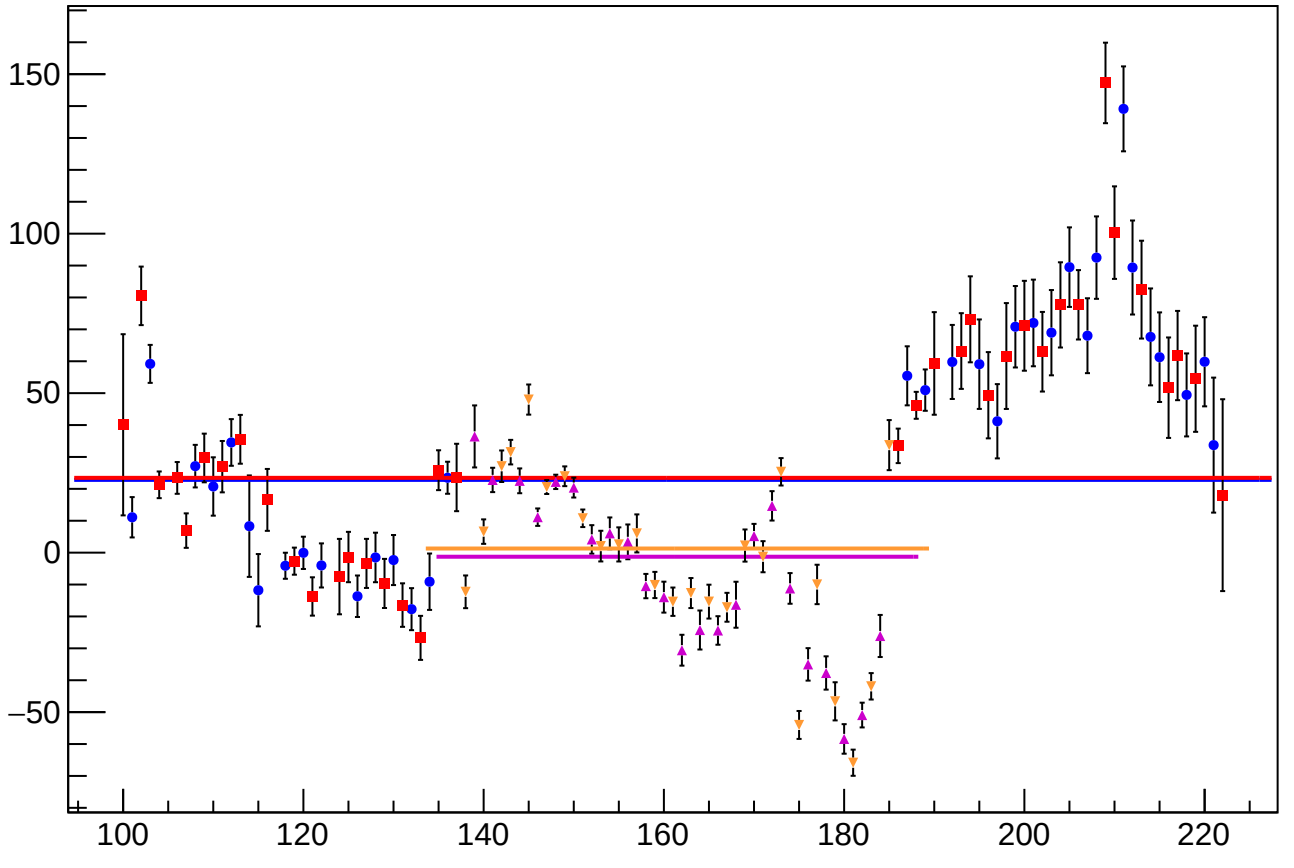
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -284.175+/-0.836 χ^2/NDF: 10411.7/70

In: -258.132+/-0.851 χ^2/NDF:6498.5/56

Out: -258.504+/-0.806 χ^2/NDF:11531.7/61

All: -258.328+/-0.585 χ^2/NDF: 18030.3/118



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: 23.449+/-1.299 χ^2/NDF: 550.6/36

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

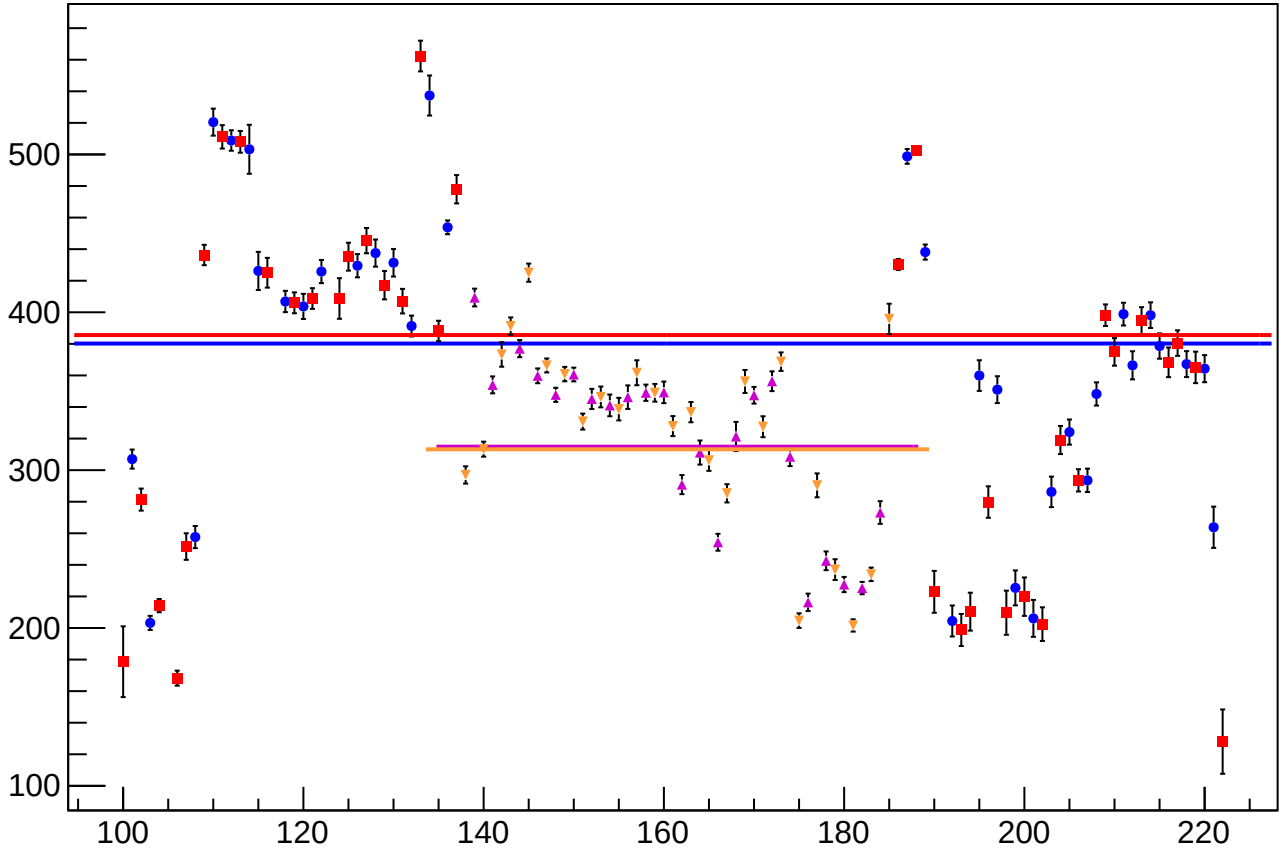
Right: 23.160+/-0.959 χ^2/NDF: 1072.8/70

In: 5.274+/-0.741 χ^2/NDF:1542.5/56

Out: 7.795+/-0.703 χ^2/NDF:1805.6/61

All: 6.601+/-0.510 χ^2/NDF: 3354.2/118

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 380.200+/-1.261 χ^2/NDF: 5321.1/33

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 385.581+/-1.126 χ^2/NDF: 9870.4/36

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

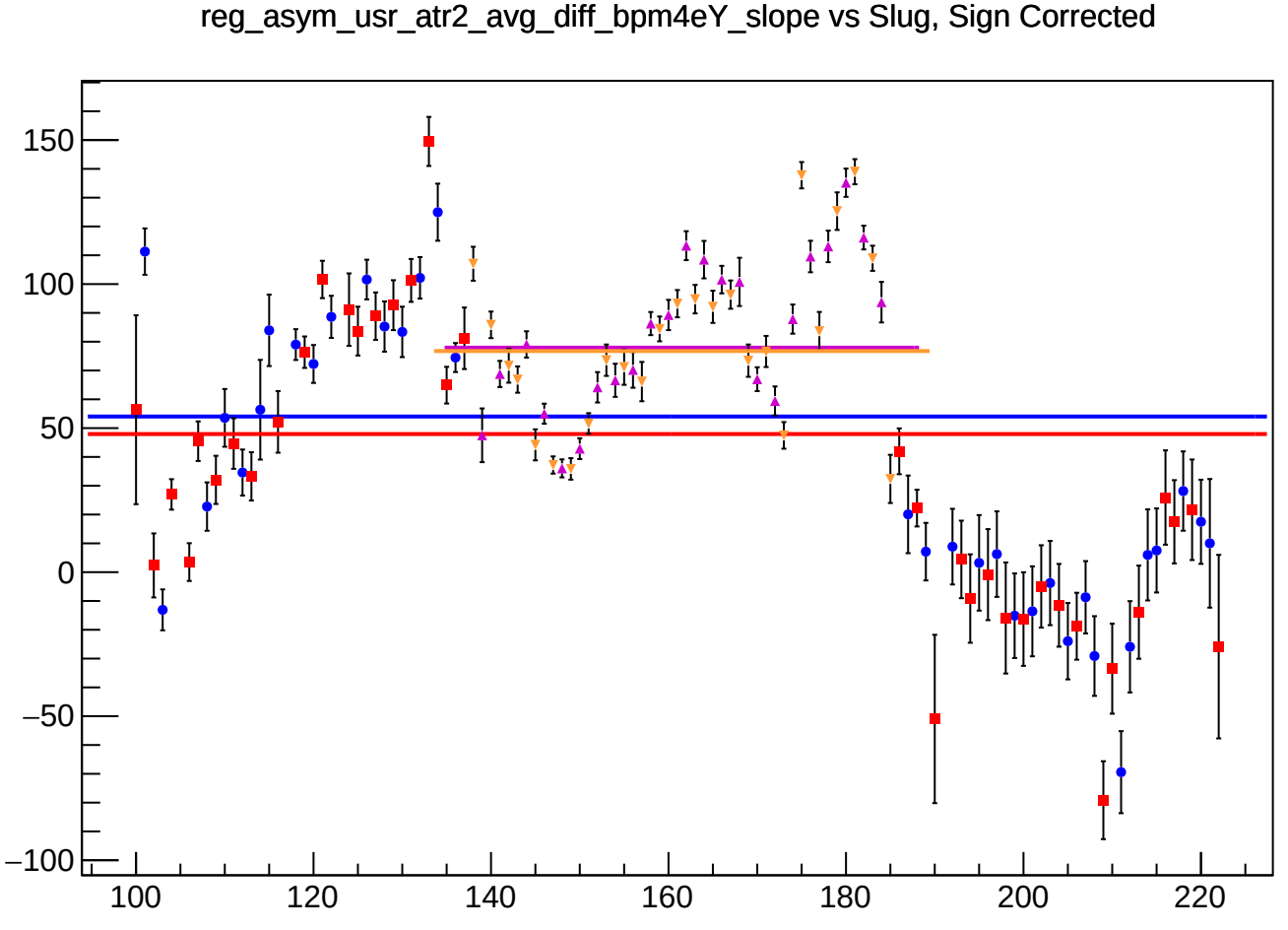
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 383.194+/-0.840 χ^2/NDF: 15201.6/70

In: 344.843+/-0.854 χ^2/NDF:9202.3/56

Out: 349.639+/-0.799 χ^2/NDF:15057.5/61

All: 347.401+/-0.584 χ^2/NDF: 24276.7/118



Right In: 54.032+/-1.649 χ^2/NDF: 747.5/33

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 47.947+/-1.551 χ^2/NDF: 769.2/36

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

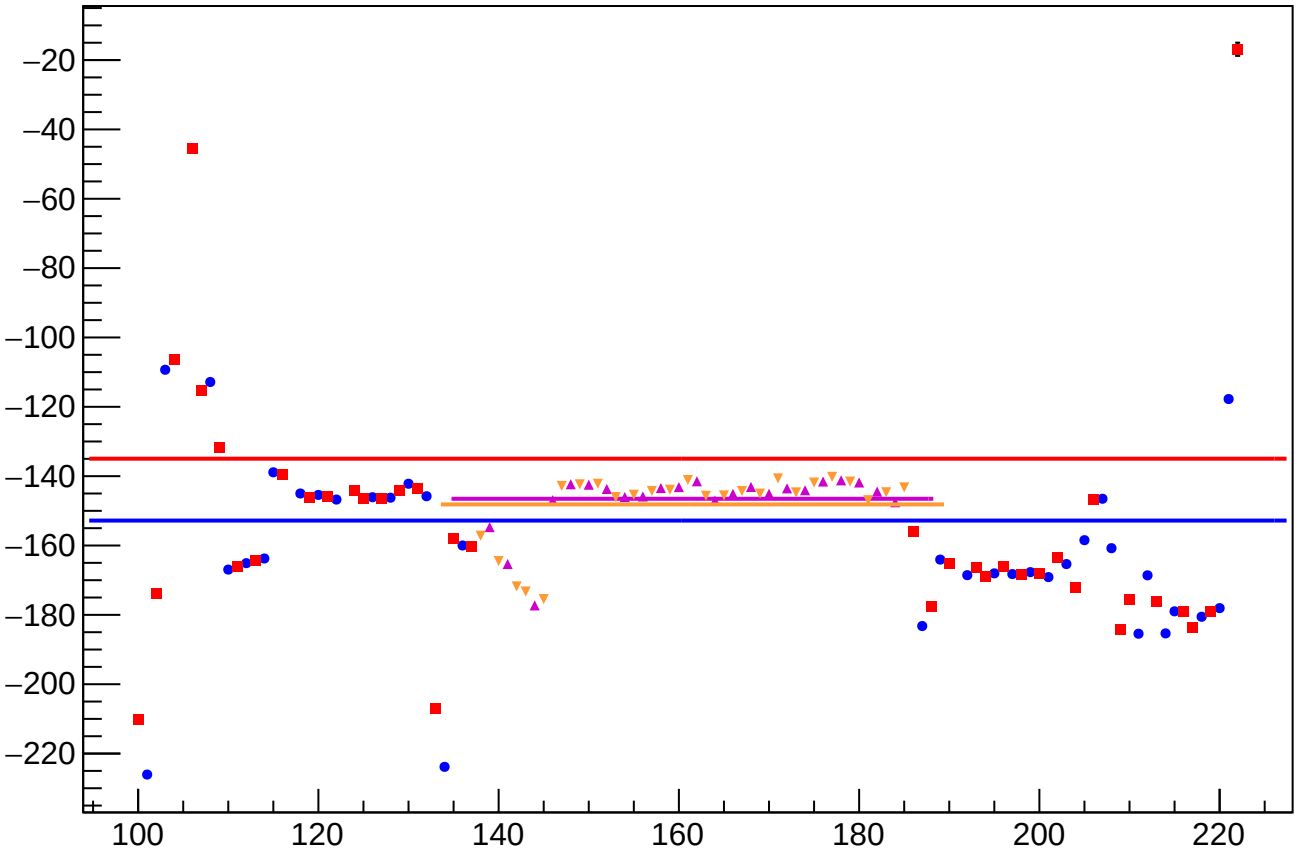
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 50.803+/-1.130 χ^2/NDF: 1524.0/70

In: 71.530+/-0.853 χ^2/NDF:1685.1/56

Out: 68.698+/-0.820 χ^2/NDF:2053.1/61

All: 70.059+/-0.591 χ^2/NDF: 3743.9/118



Right In: -152.803+/-0.080 χ^2/NDF: 155160.8/33

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.960+/-0.074 χ^2/NDF: 372188.9/36

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

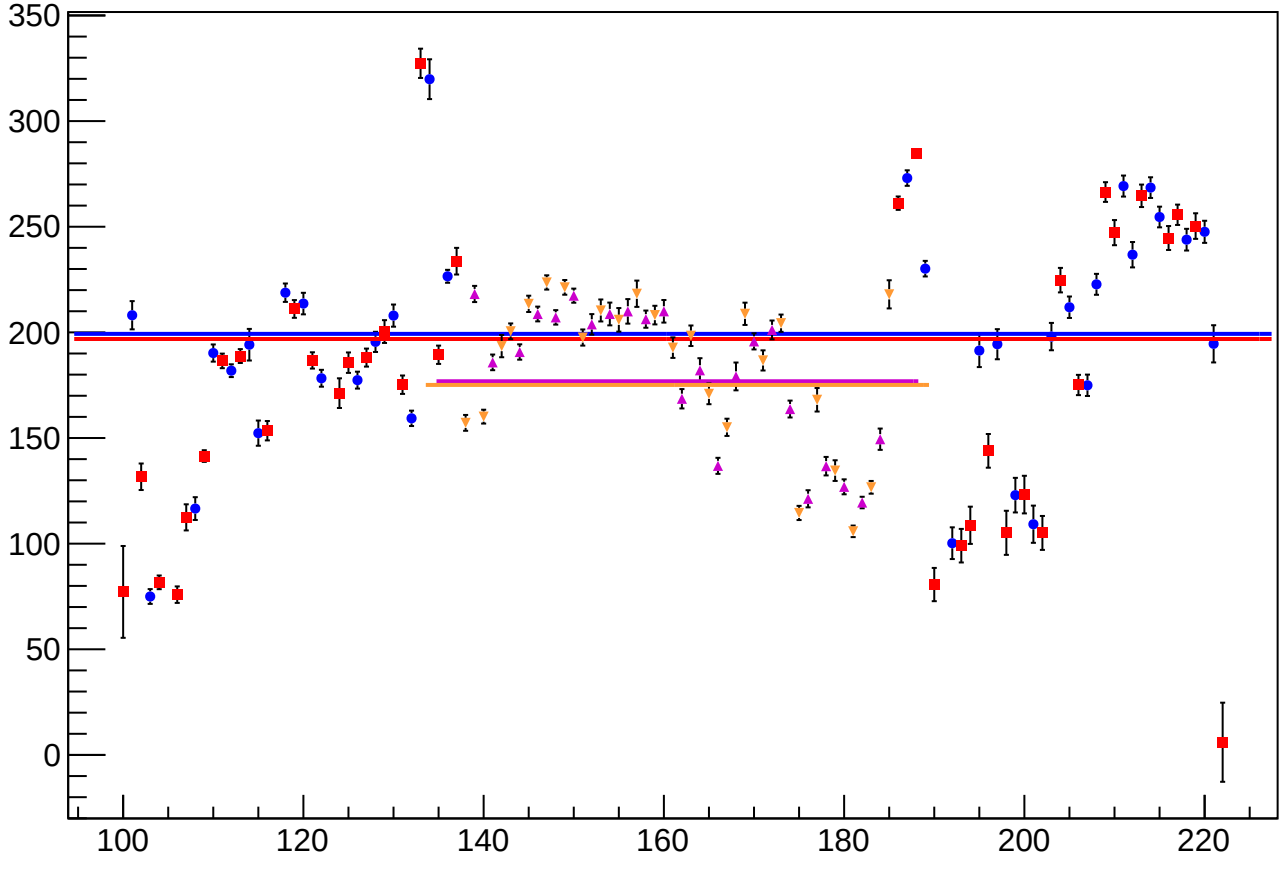
Right: -143.191+/-0.054 χ^2/NDF: 554444.6/70

In: -148.073+/-0.040 χ^2/NDF:189026.1/56

Out: -144.551+/-0.038 χ^2/NDF:444435.2/61

All: -146.263+/-0.028 χ^2/NDF: 637540.2/118

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 199.294+/-0.829 χ^2/NDF: 3665.5/33

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 196.868+/-0.756 χ^2/NDF: 7676.4/36

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

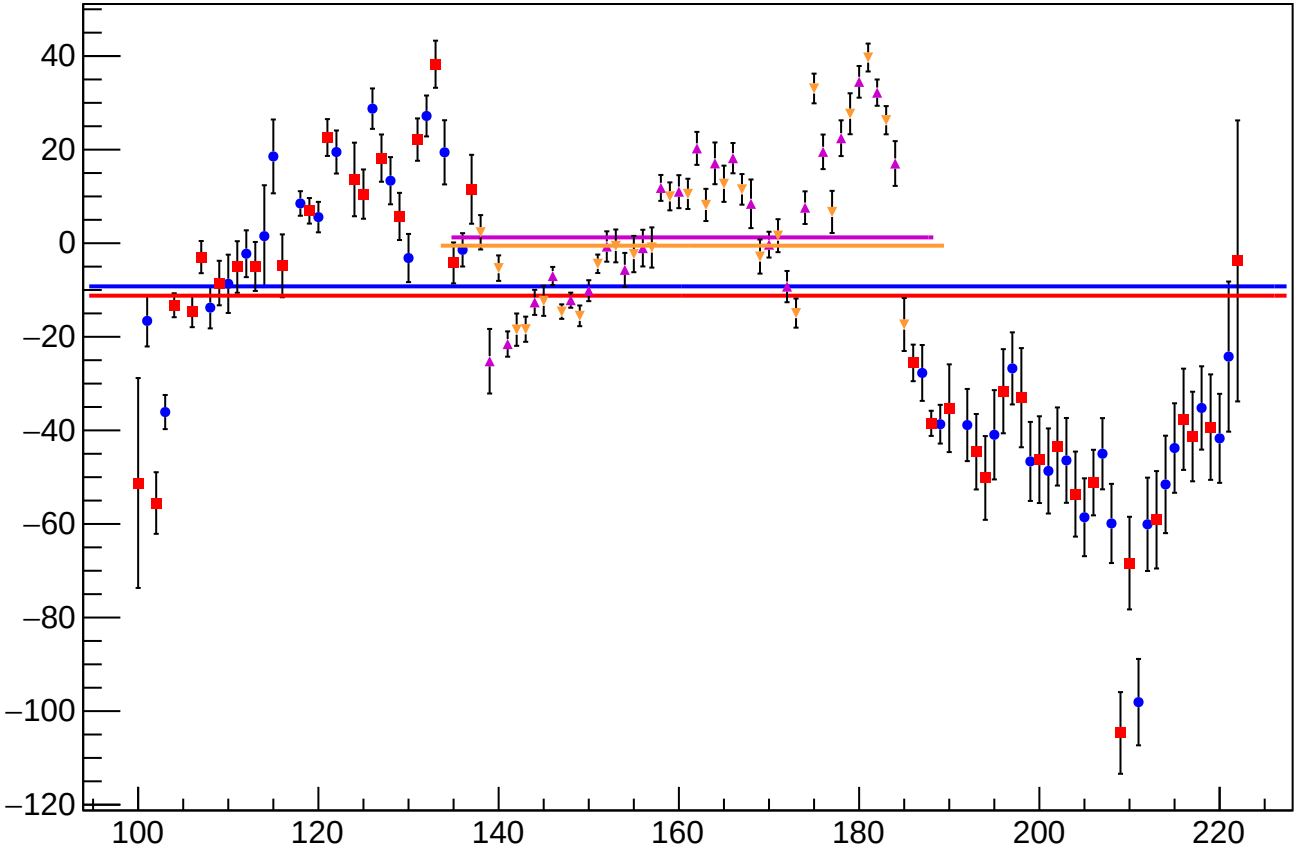
Right: 197.969+/-0.559 χ^2/NDF: 11346.6/70

In: 188.315+/-0.593 χ^2/NDF:5779.7/56

Out: 186.906+/-0.556 χ^2/NDF:10350.6/61

All: 187.566+/-0.406 χ^2/NDF: 16133.4/118

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -11.210+/-0.858 χ^2/NDF: 856.0/36

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

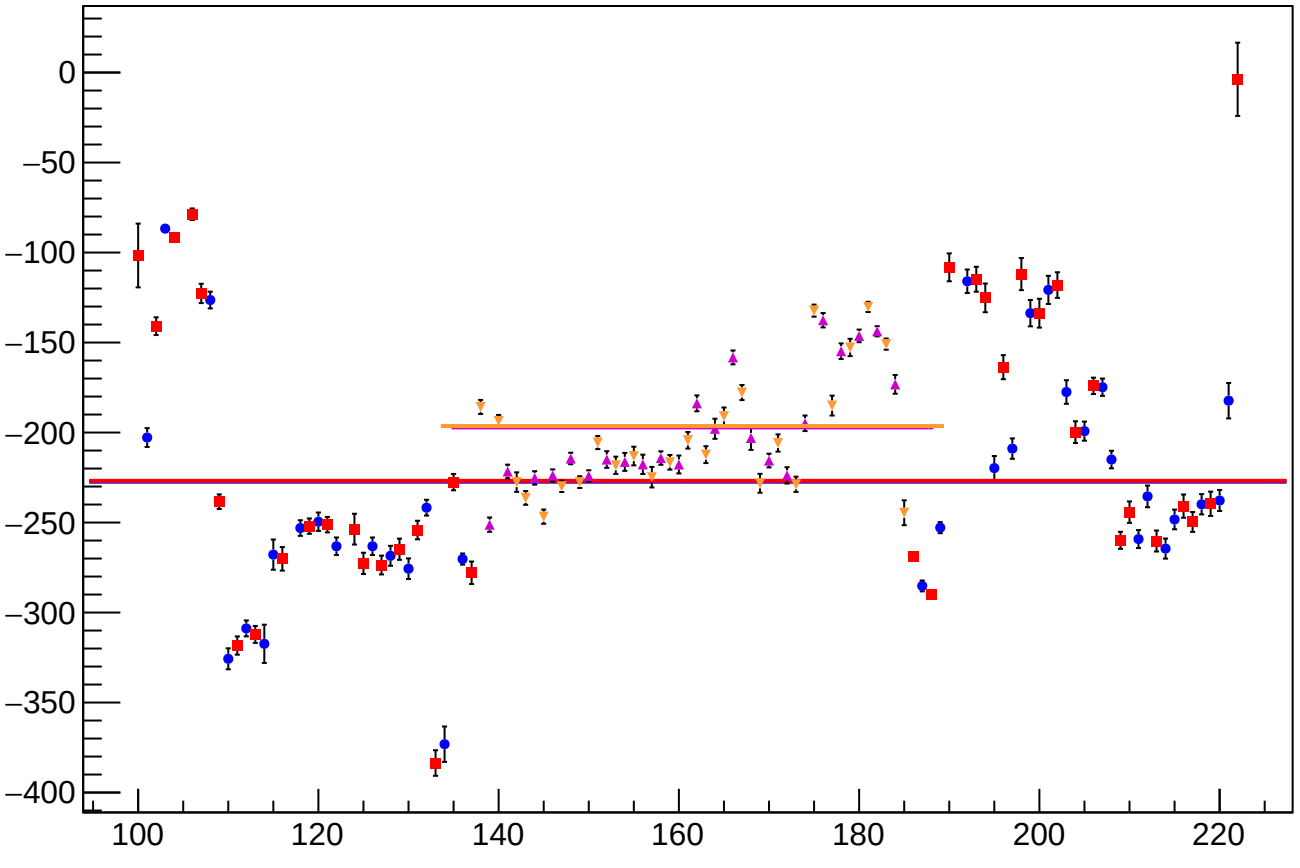
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -10.319+/-0.637 χ^2/NDF: 1635.4/70

In: -1.913+/-0.523 χ^2/NDF:1481.9/56

Out: -4.041+/-0.492 χ^2/NDF:1684.7/61

All: -3.041+/-0.358 χ^2/NDF: 3175.4/118



Right In: -227.301+/-0.845 χ^2/NDF: 5971.0/33

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.829+/-0.745 χ^2/NDF: 10797.3/36

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

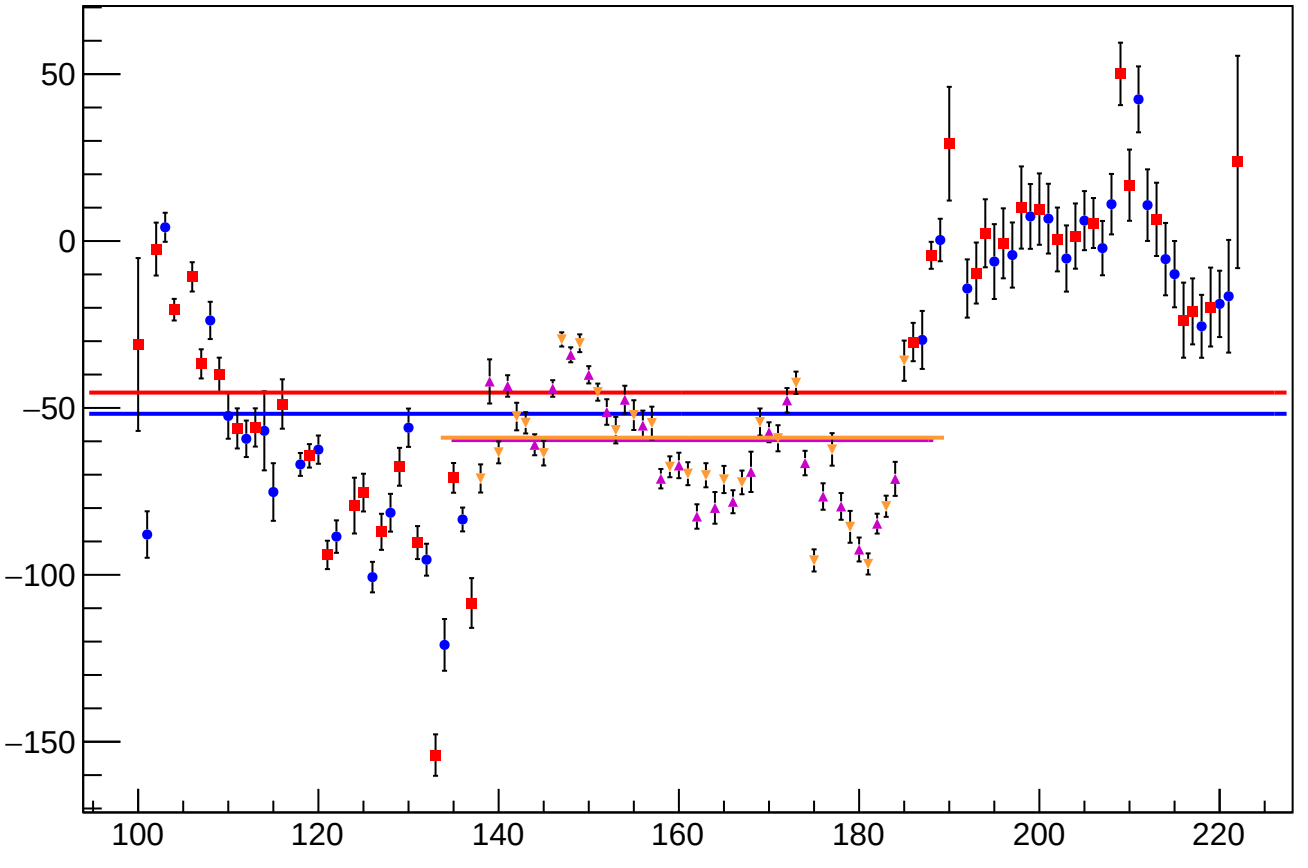
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.036+/-0.559 χ^2/NDF: 16768.4/70

In: -212.066+/-0.595 χ^2/NDF:8216.1/56

Out: -212.974+/-0.550 χ^2/NDF:13554.3/61

All: -212.555+/-0.404 χ^2/NDF: 21771.6/118



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: -45.397+/-1.027 χ^2/NDF: 1438.5/36

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

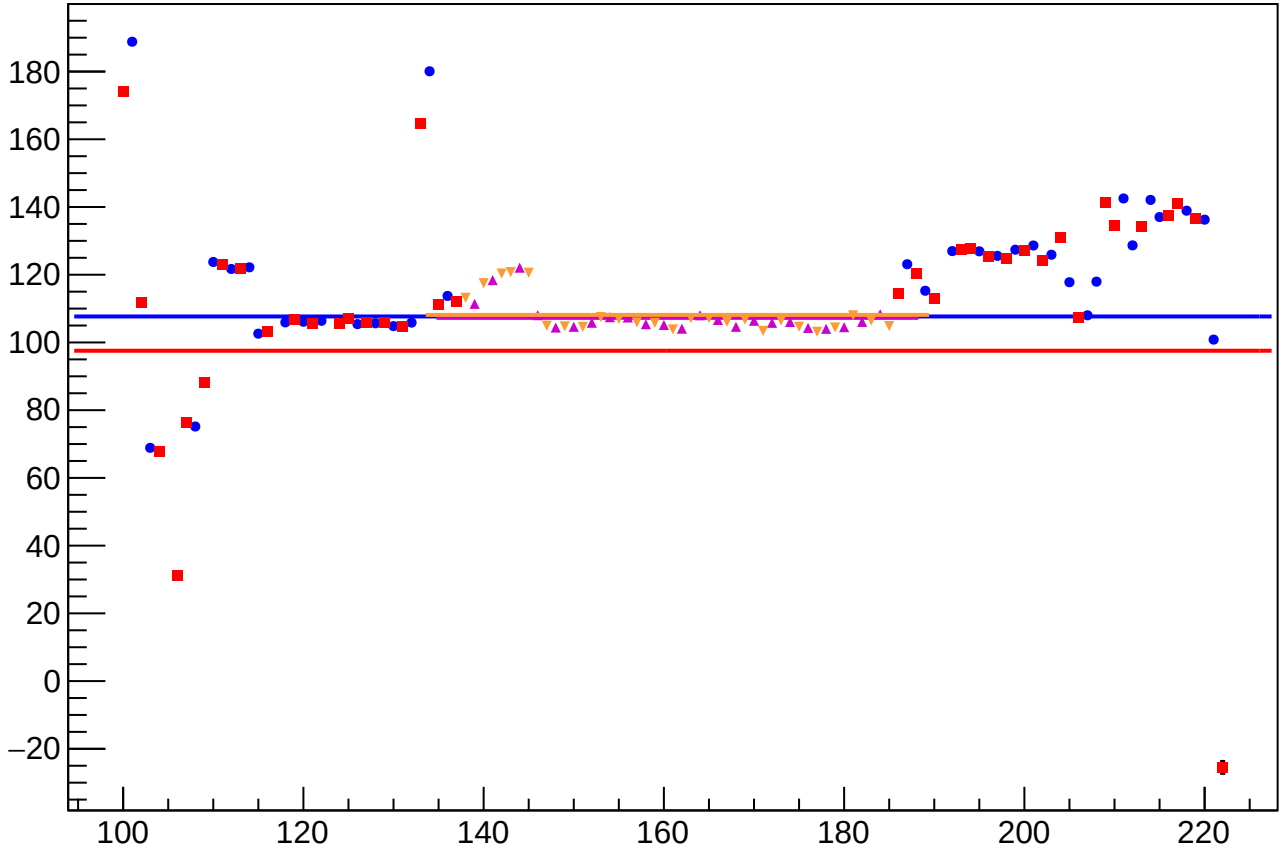
Right: -48.334+/-0.753 χ^2/NDF: 2684.9/70

In: -57.306+/-0.603 χ^2/NDF:1861.3/56

Out: -54.667+/-0.575 χ^2/NDF:2339.8/61

All: -55.925+/-0.416 χ^2/NDF: 4211.1/118

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: 97.558+/-0.050 χ^2/NDF: 425596.0/36

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

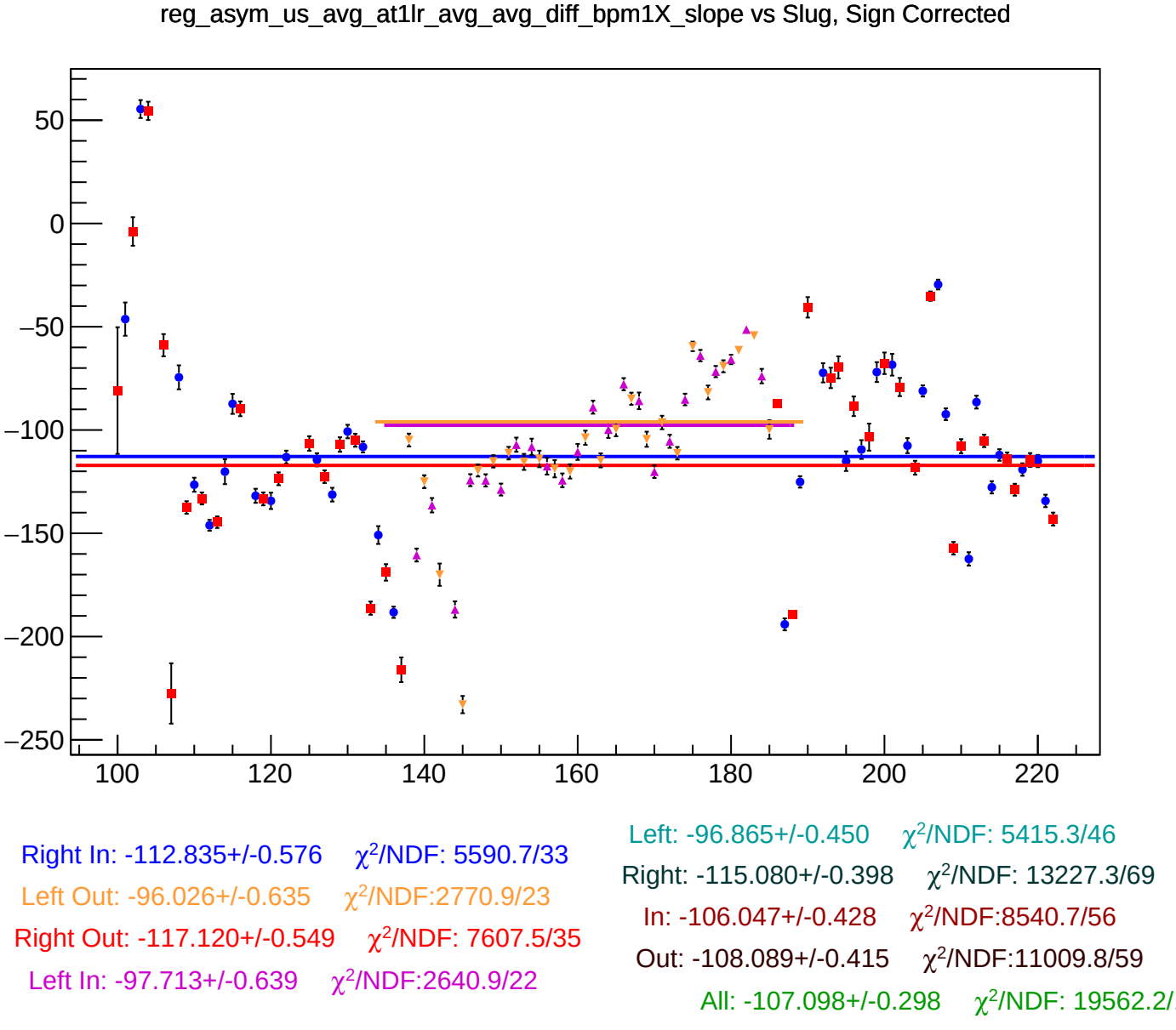
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

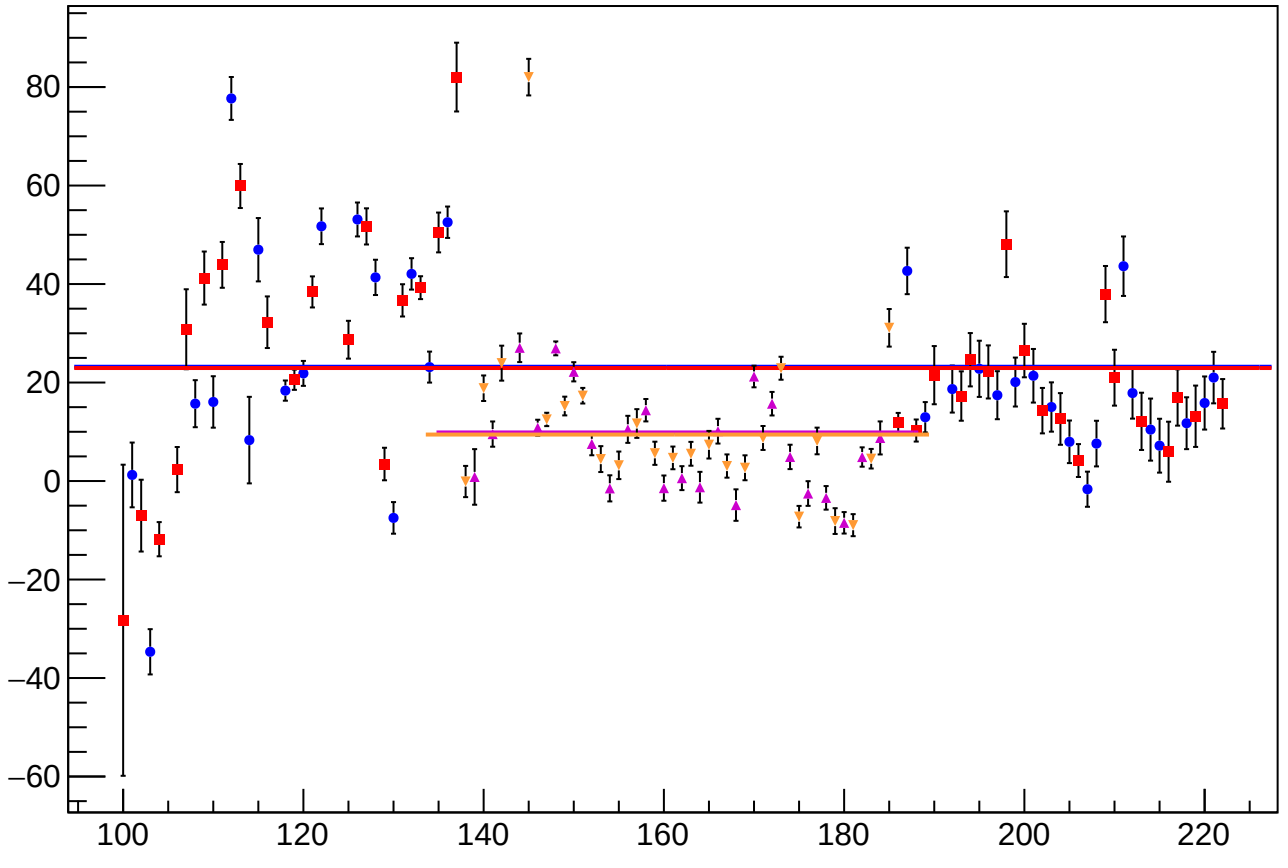
Right: 102.273+/-0.036 χ^2/NDF: 739347.1/70

In: 107.379+/-0.028 χ^2/NDF:311358.5/56

Out: 104.974+/-0.027 χ^2/NDF:483776.2/61

All: 106.143+/-0.019 χ^2/NDF: 798942.8/118


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -112.835+/-0.576 χ²/NDF: 5590.7/33
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -117.120+/-0.549 χ²/NDF: 7607.5/35
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -115.080+/-0.398 χ²/NDF: 13227.3/69
In: -106.047+/-0.428 χ²/NDF:8540.7/56
Out: -108.089+/-0.415 χ²/NDF:11009.8/59
All: -107.098+/-0.298 χ²/NDF: 19562.2/116



Right In: 23.204+/-0.697 χ^2/NDF: 865.2/33

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 22.947+/-0.662 χ^2/NDF: 693.8/35

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

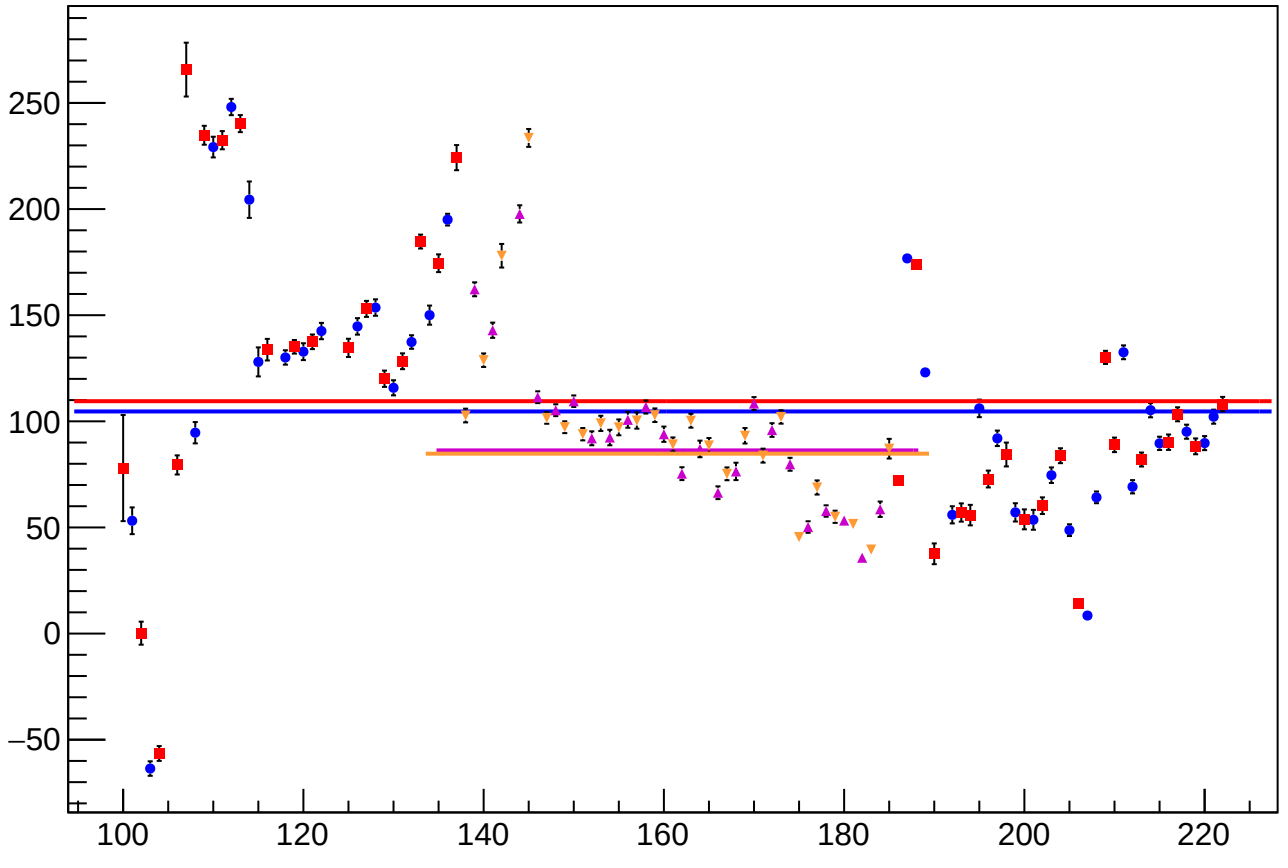
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.069+/-0.480 χ^2/NDF: 1559.1/69

In: 14.235+/-0.399 χ^2/NDF:1596.8/56

Out: 14.071+/-0.387 χ^2/NDF:1704.1/59

All: 14.151+/-0.278 χ^2/NDF: 3301.0/116



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: 109.487+/-0.542 χ^2/NDF: 13326.4/35

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

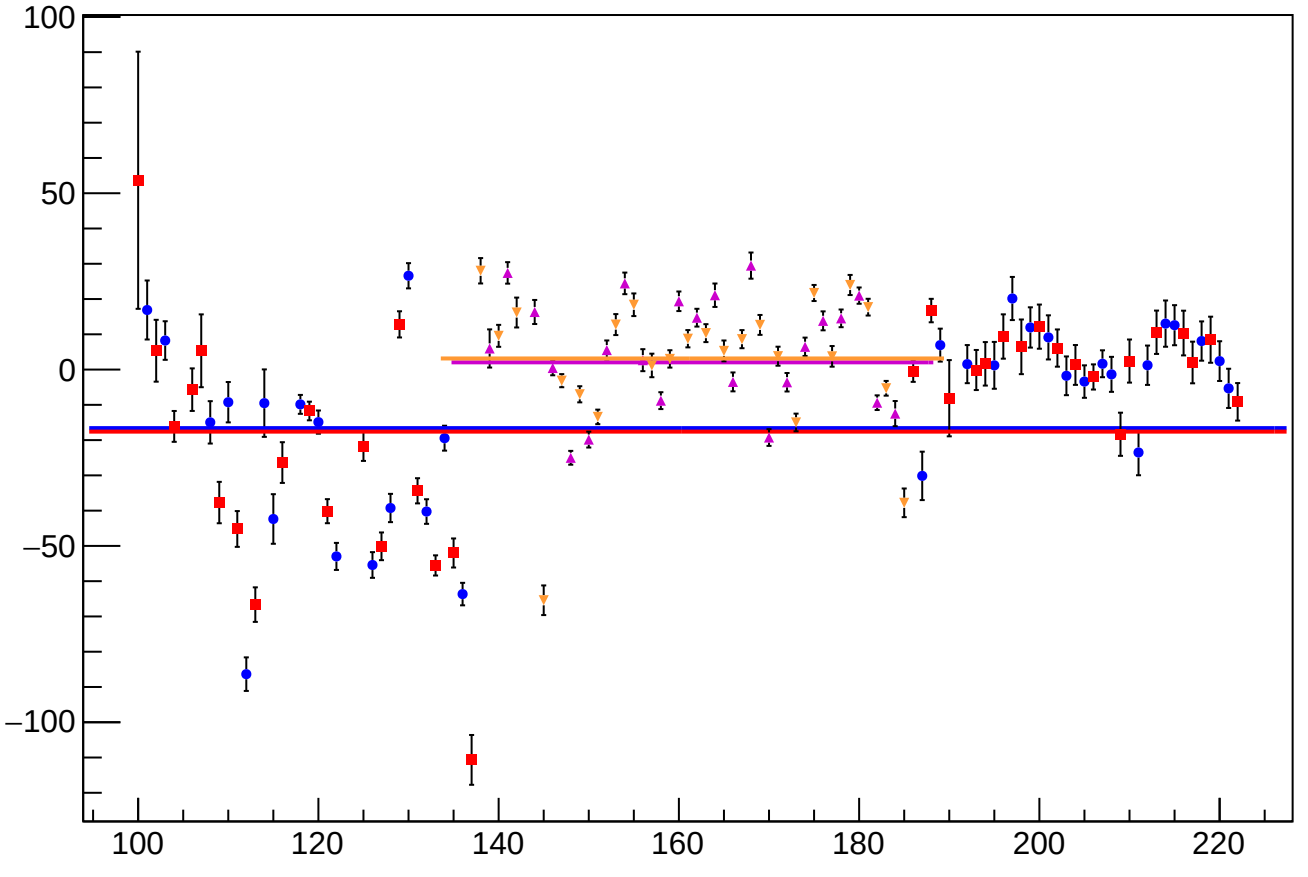
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 107.286+/-0.400 χ^2/NDF: 23937.4/69

In: 96.057+/-0.432 χ^2/NDF:14176.0/56

Out: 98.955+/-0.411 χ^2/NDF:17323.8/59

All: 97.581+/-0.298 χ^2/NDF: 31523.4/116



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: -17.594+/-0.785 χ^2/NDF: 1131.1/35

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

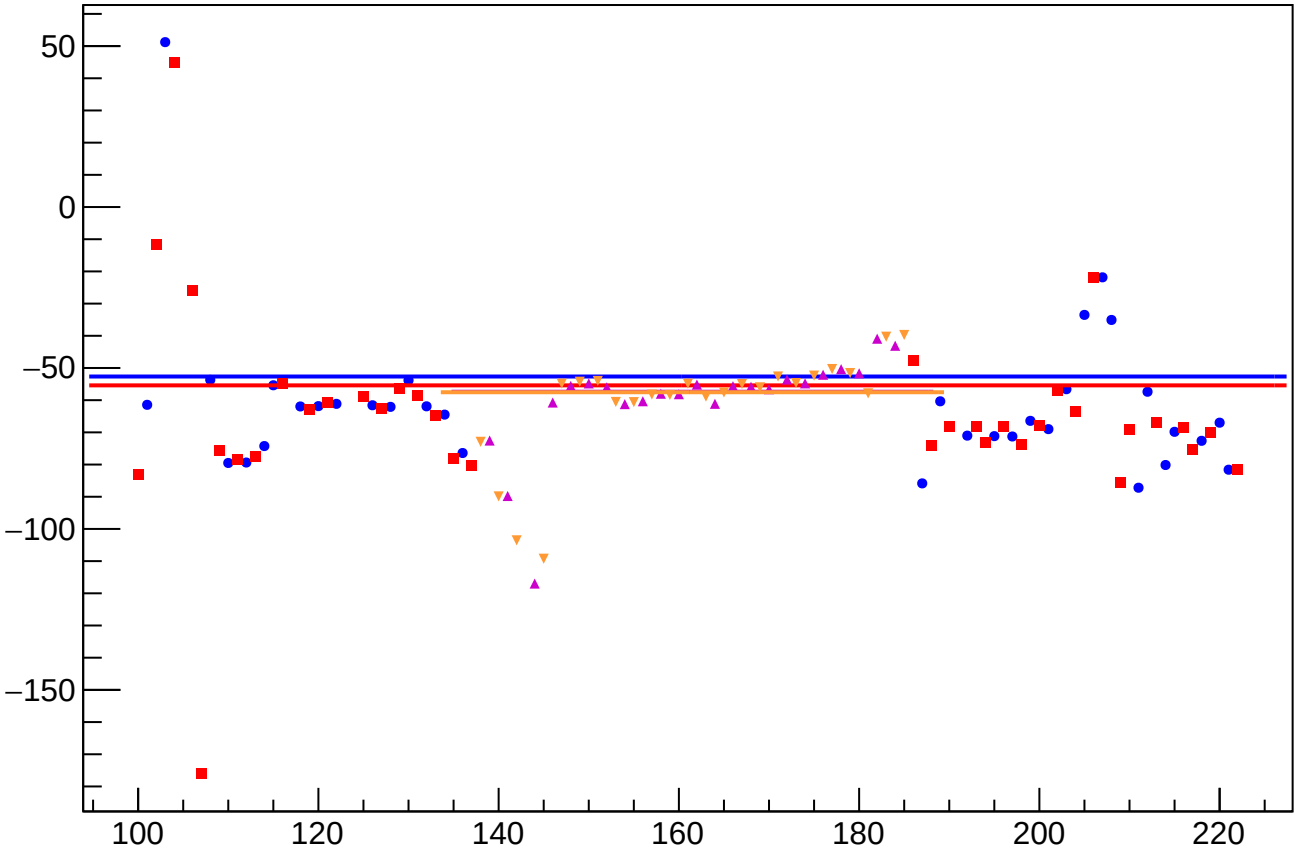
Right: -17.107+/-0.561 χ^2/NDF: 2318.1/69

In: -3.944+/-0.454 χ^2/NDF:2405.2/56

Out: -3.571+/-0.447 χ^2/NDF:2416.6/59

All: -3.755+/-0.318 χ^2/NDF: 4822.2/116

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -52.650+/-0.039 χ^2/NDF: 743115.6/33

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.400+/-0.039 χ^2/NDF: 650191.4/35

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

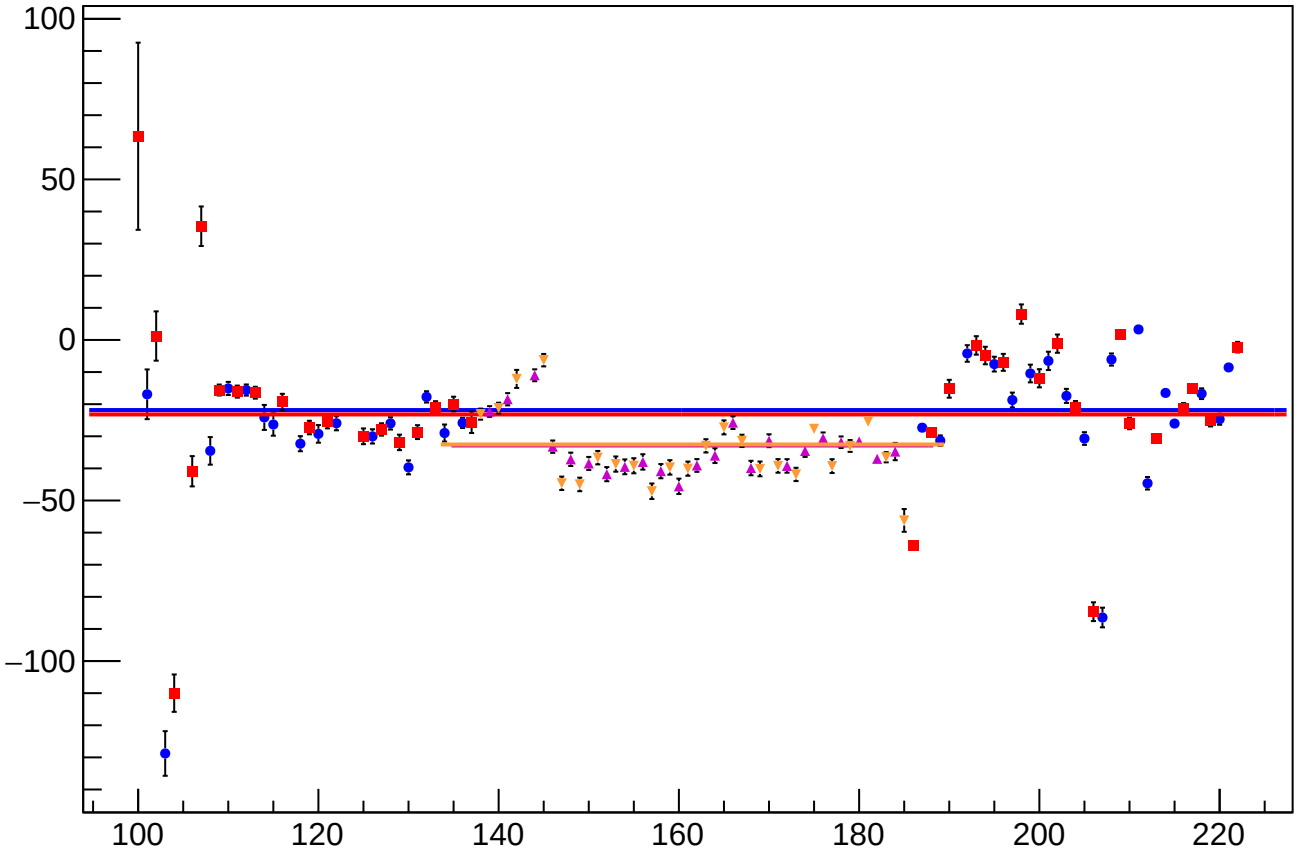
Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

Right: -54.012+/-0.028 χ^2/NDF: 1395769.4/69

In: -56.019+/-0.021 χ^2/NDF:980724.2/56

Out: -56.928+/-0.021 χ^2/NDF:919324.0/59

All: -56.472+/-0.015 χ^2/NDF: 1900989.8/116



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: -23.198+/-0.338 χ^2/NDF: 2591.9/35

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

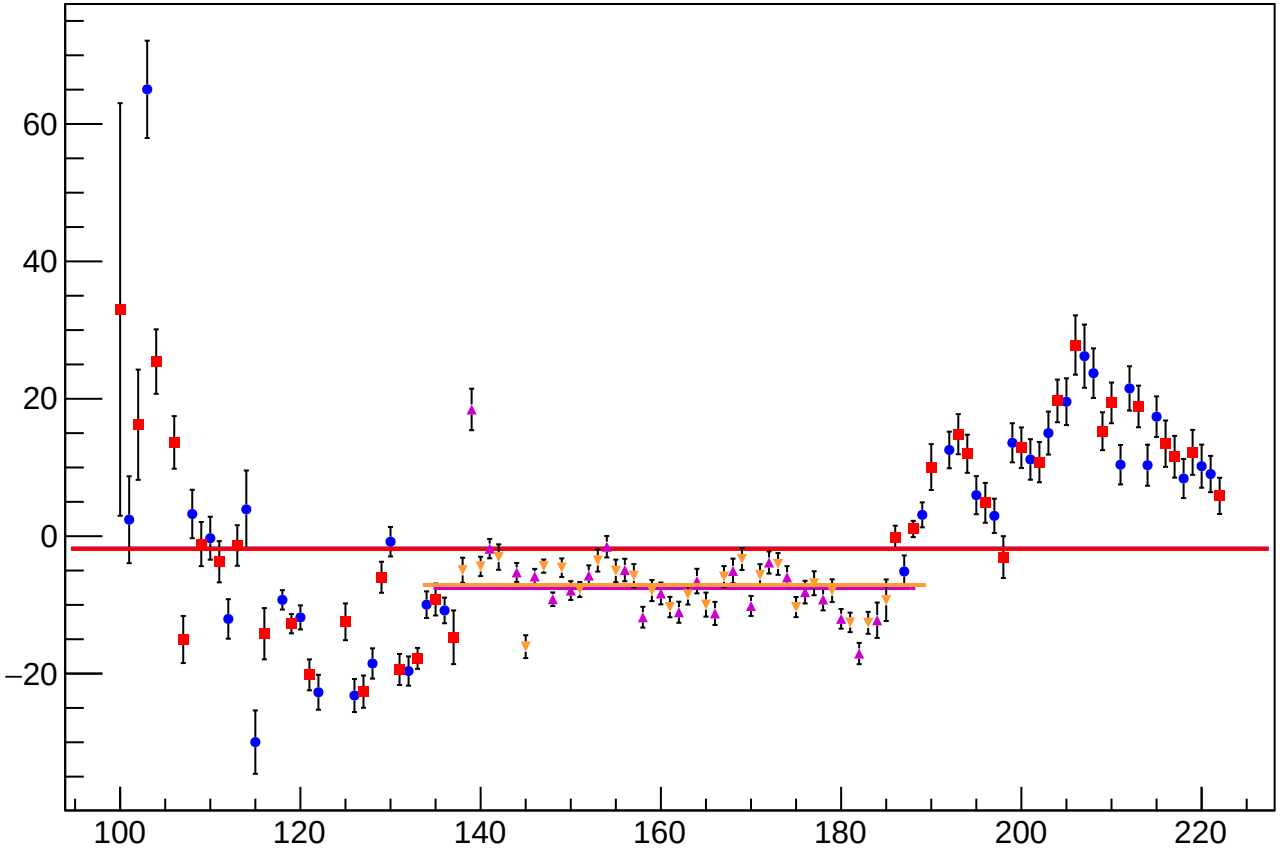
Right: -22.540+/-0.243 χ^2/NDF: 4238.6/69

In: -26.477+/-0.267 χ^2/NDF:2428.9/56

Out: -27.017+/-0.260 χ^2/NDF:3508.4/59

All: -26.754+/-0.186 χ^2/NDF: 5939.4/116

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.802+/-0.445 χ^2/NDF: 946.3/33

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -1.854+/-0.427 χ^2/NDF: 923.6/35

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

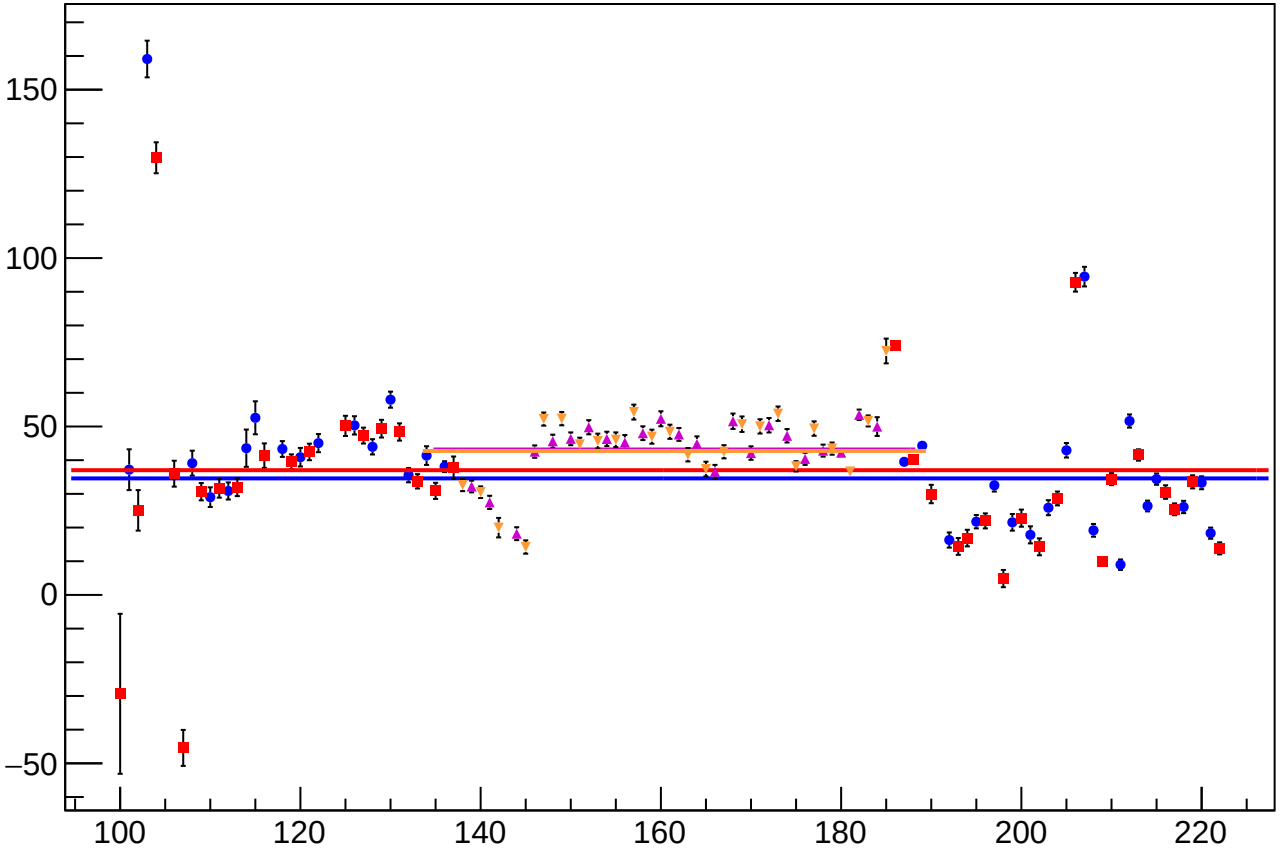
Right: -1.829+/-0.308 χ^2/NDF: 1869.9/69

In: -5.626+/-0.257 χ^2/NDF:1257.2/56

Out: -5.301+/-0.250 χ^2/NDF:1132.6/59

All: -5.459+/-0.179 χ^2/NDF: 2390.6/116

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.594+/-0.361 χ^2/NDF: 2000.5/33

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 37.031+/-0.337 χ^2/NDF: 3324.6/35

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

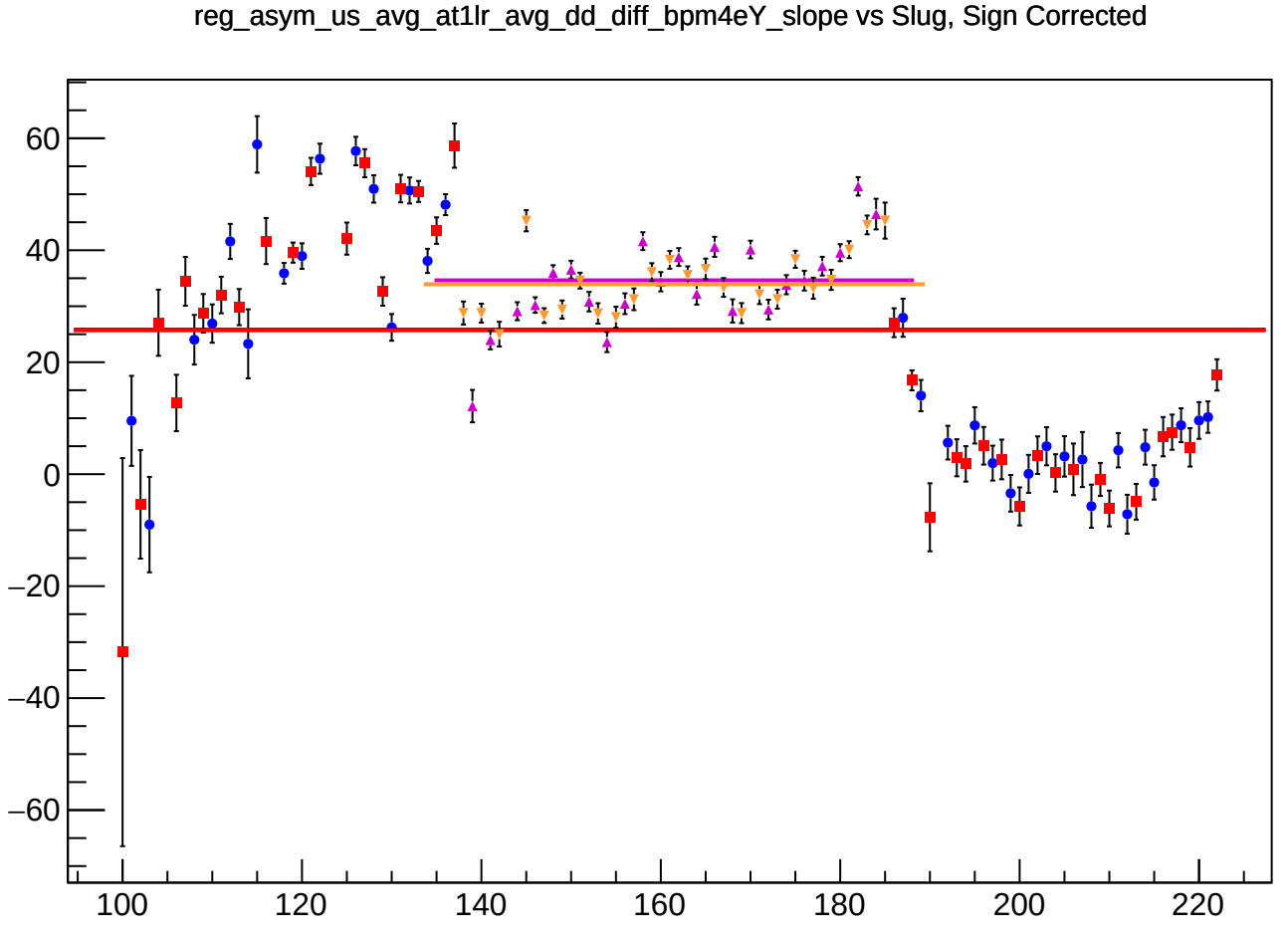
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 35.898+/-0.246 χ^2/NDF: 5349.5/69

In: 38.368+/-0.270 χ^2/NDF:2661.8/56

Out: 39.377+/-0.258 χ^2/NDF:4074.5/59

All: 38.895+/-0.187 χ^2/NDF: 6743.6/116



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: 25.710+/-0.504 χ^2/NDF: 1666.8/35

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

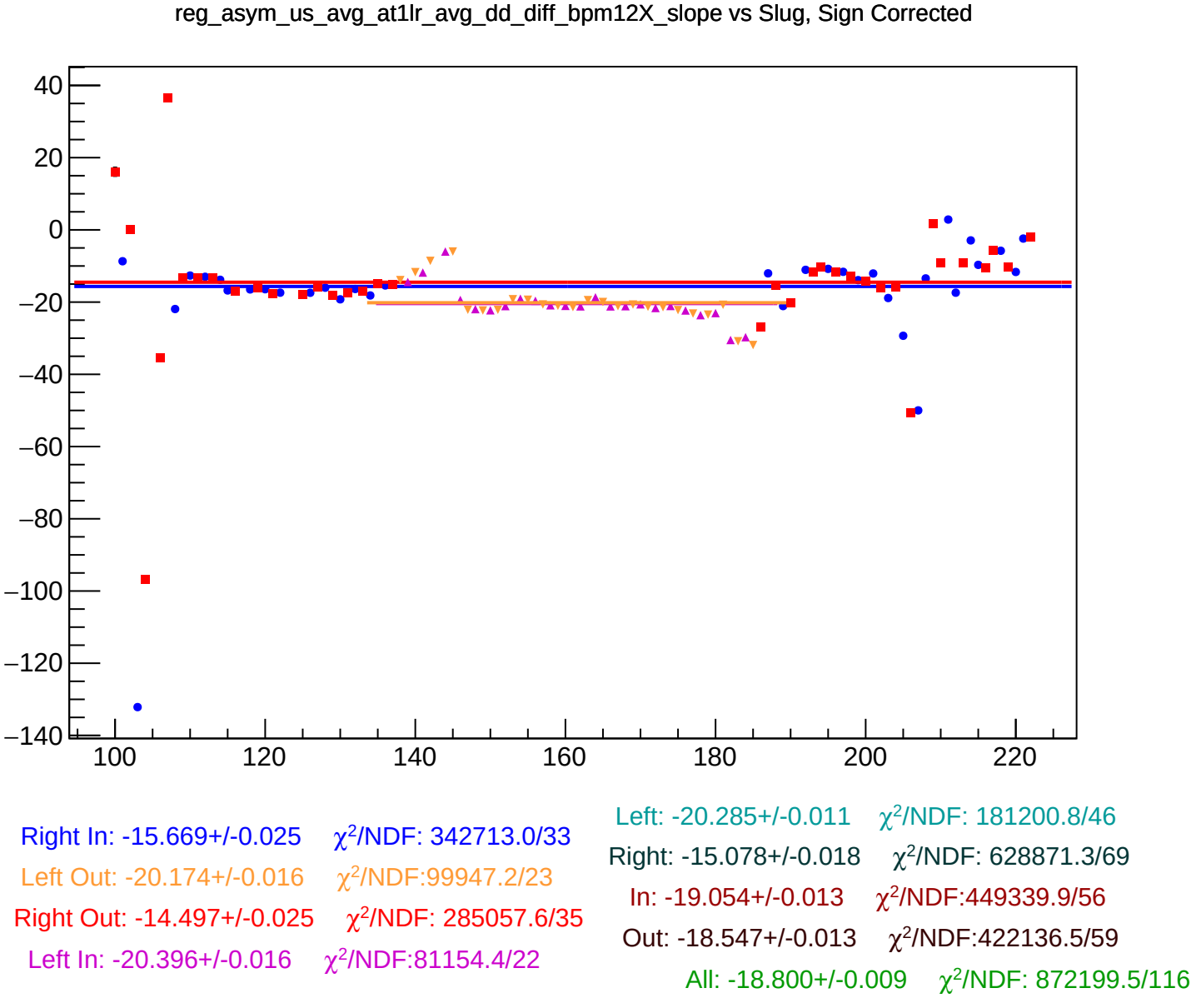
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

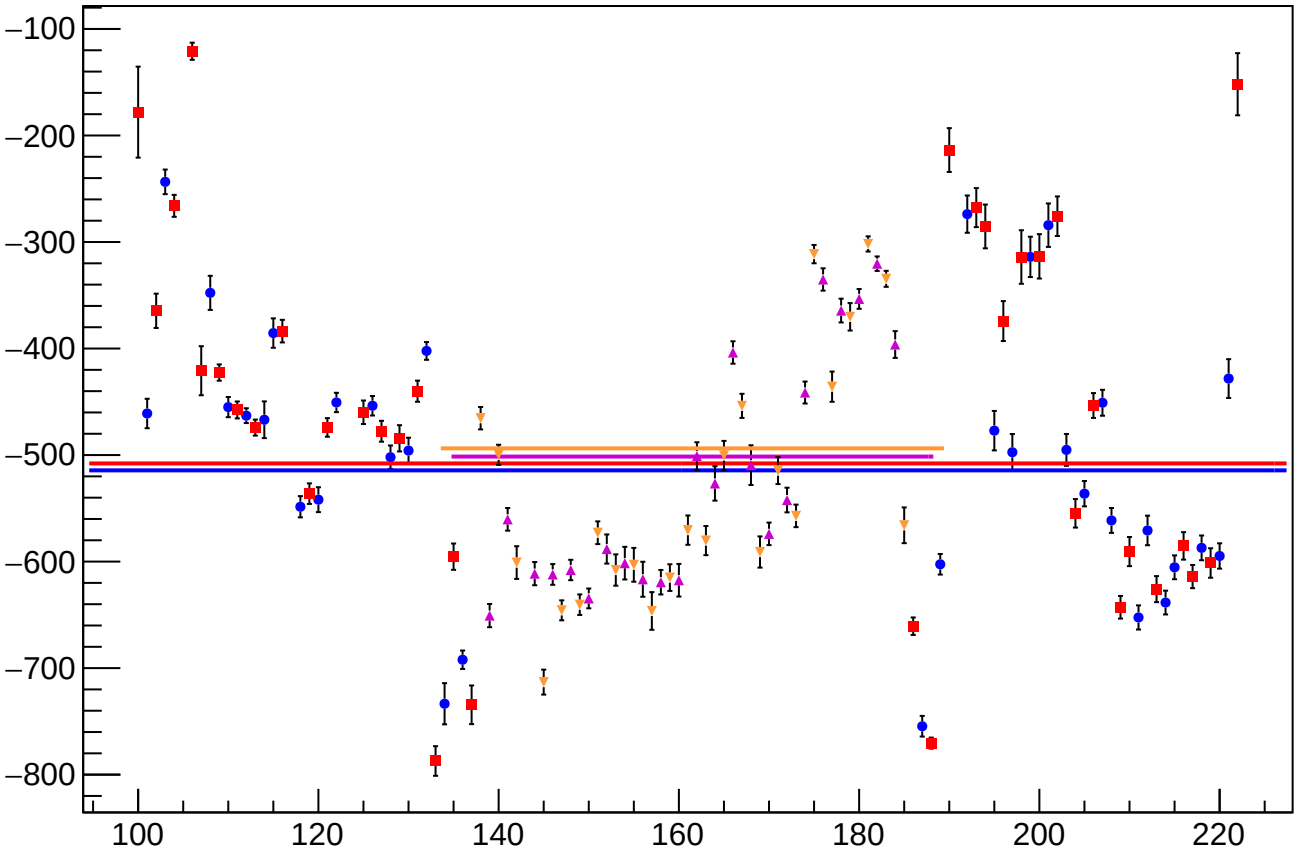
Right: 25.759+/-0.358 χ^2/NDF: 3304.2/69

In: 31.734+/-0.292 χ^2/NDF:2214.1/56

Out: 31.245+/-0.288 χ^2/NDF:2062.7/59

All: 31.486+/-0.205 χ^2/NDF: 4278.2/116


reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
220
Right In: -15.669+/-0.025 χ²/NDF: 342713.0/33
Left Out: -20.174+/-0.016 χ²/NDF:99947.2/23
Right Out: -14.497+/-0.025 χ²/NDF: 285057.6/35
Left In: -20.396+/-0.016 χ²/NDF:81154.4/22
Left: -20.285+/-0.011 χ²/NDF: 181200.8/46
Right: -15.078+/-0.018 χ²/NDF: 628871.3/69
In: -19.054+/-0.013 χ²/NDF:449339.9/56
Out: -18.547+/-0.013 χ²/NDF:422136.5/59
All: -18.800+/-0.009 χ²/NDF: 872199.5/116



Right In: -514.361+/-1.990 χ^2/NDF: 3348.4/33

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -507.855+/-1.860 χ^2/NDF: 8479.9/35

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

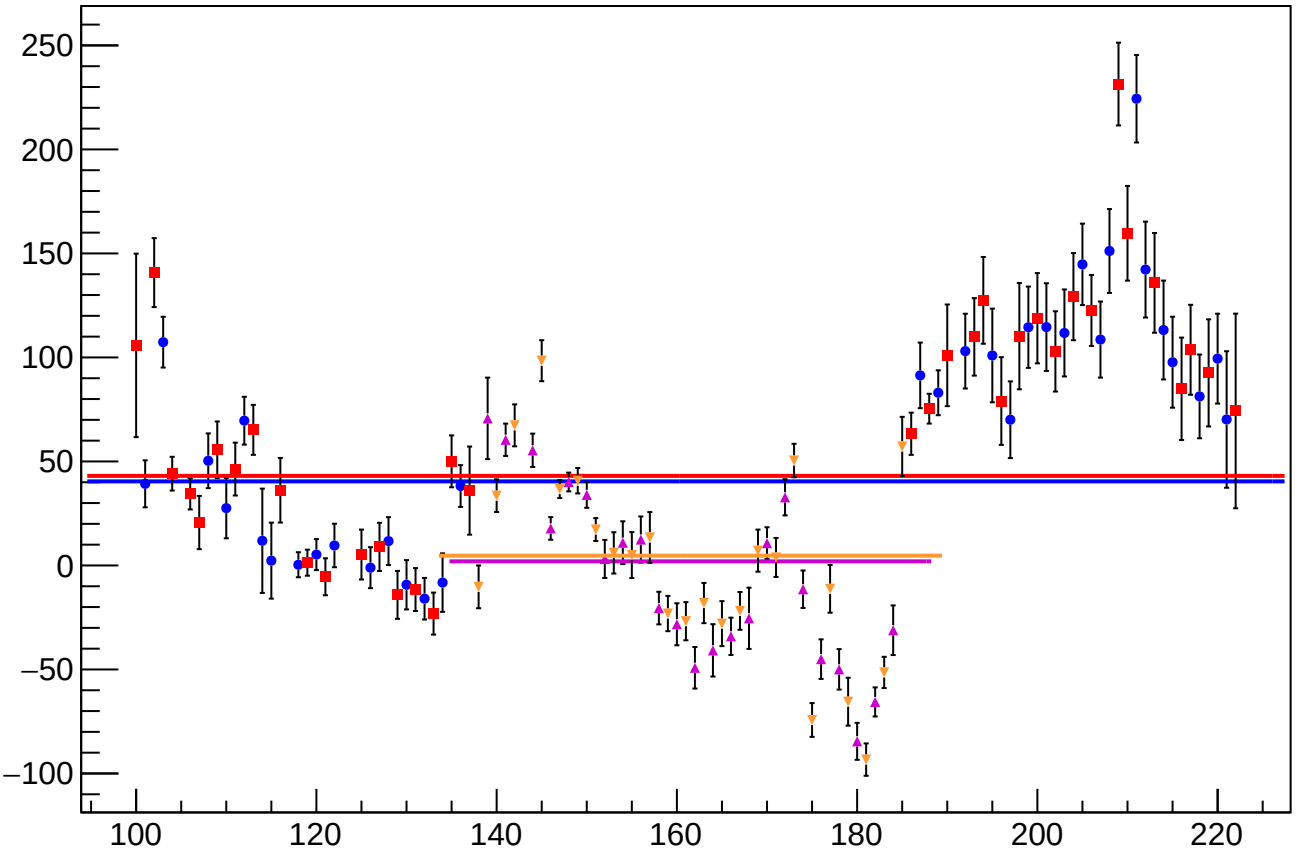
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -510.887+/-1.359 χ^2/NDF: 11834.1/69

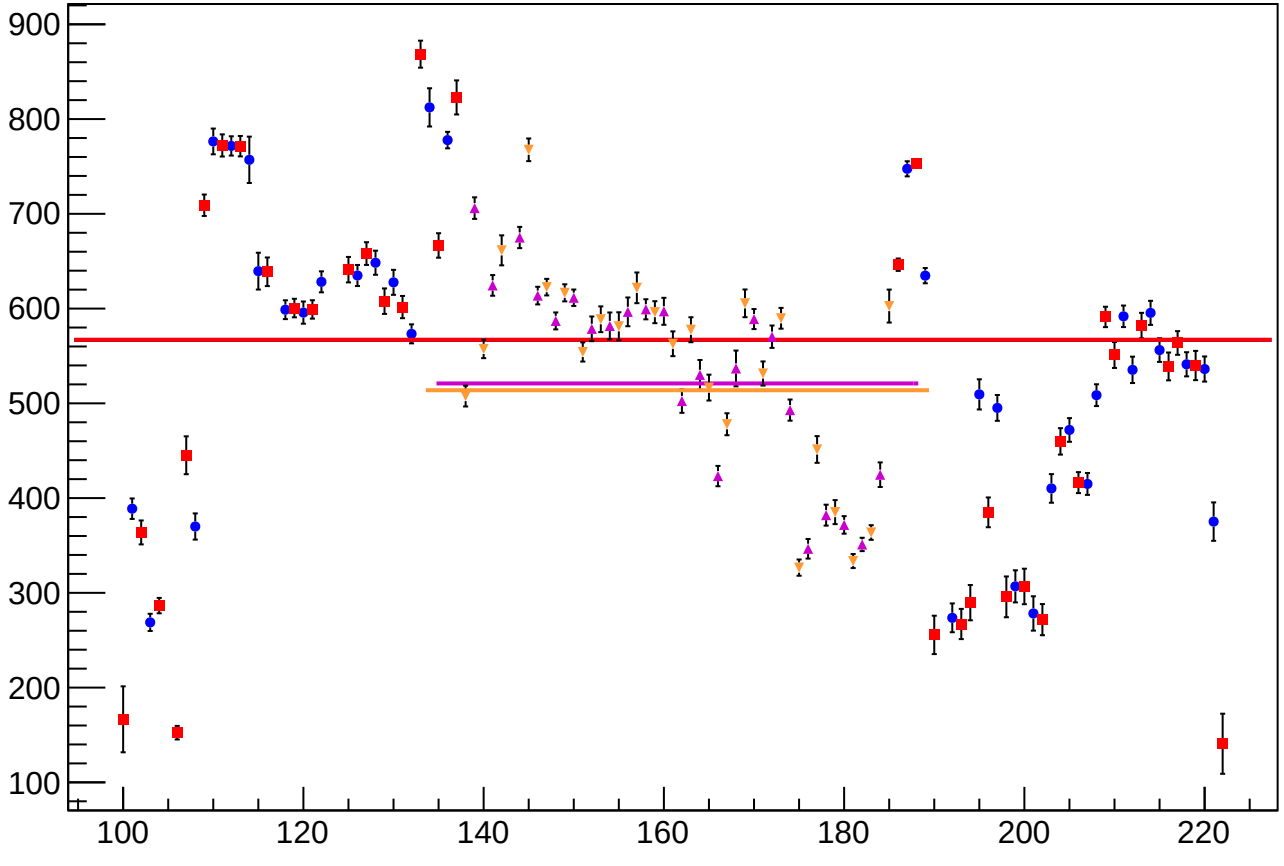
In: -508.840+/-1.507 χ^2/NDF:6055.8/56

Out: -502.253+/-1.445 χ^2/NDF:11652.8/59

All: -505.408+/-1.043 χ^2/NDF: 17718.5/116


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 40.415+/-2.286 χ²/NDF: 487.7/33
Left Out: 4.709+/-1.696 χ²/NDF:680.3/23
Right Out: 43.067+/-2.150 χ²/NDF: 510.0/35
Left In: 1.970+/-1.722 χ²/NDF:560.8/22
Left: 3.360+/-1.208 χ²/NDF: 1242.4/46
Right: 41.822+/-1.566 χ²/NDF: 998.4/69
In: 15.885+/-1.375 χ²/NDF:1228.9/56
Out: 19.419+/-1.331 χ²/NDF:1386.5/59
All: 17.709+/-0.957 χ²/NDF: 2618.9/116

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: 567.053+/-1.873 χ^2/NDF: 10863.0/35

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

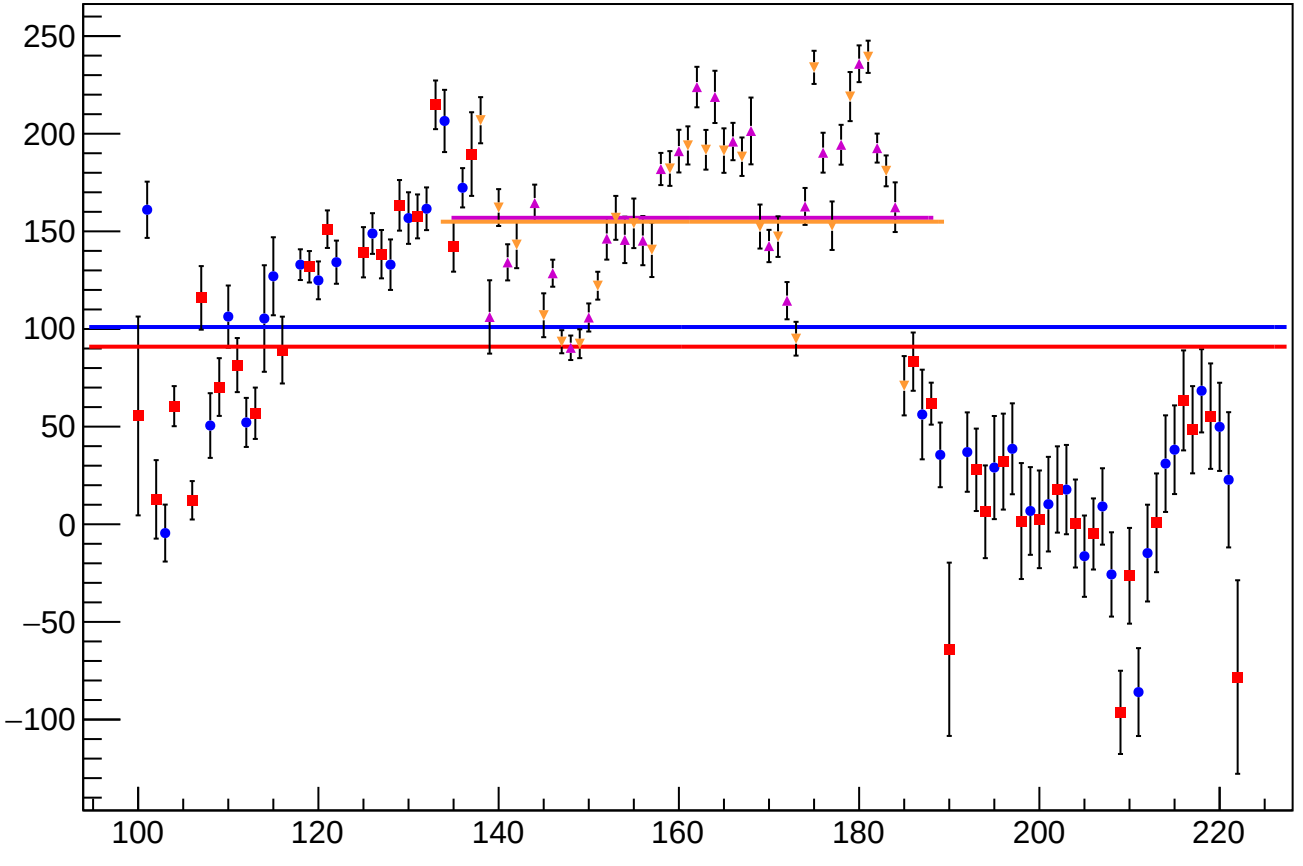
Right: 567.002+/-1.389 χ^2/NDF: 15980.8/69

In: 546.209+/-1.534 χ^2/NDF:7782.8/56

Out: 545.579+/-1.446 χ^2/NDF:13924.4/59

All: 545.876+/-1.052 χ^2/NDF: 21707.3/116

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 101.006+/-2.659 χ^2/NDF: 593.5/33

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 90.944+/-2.559 χ^2/NDF: 650.8/35

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

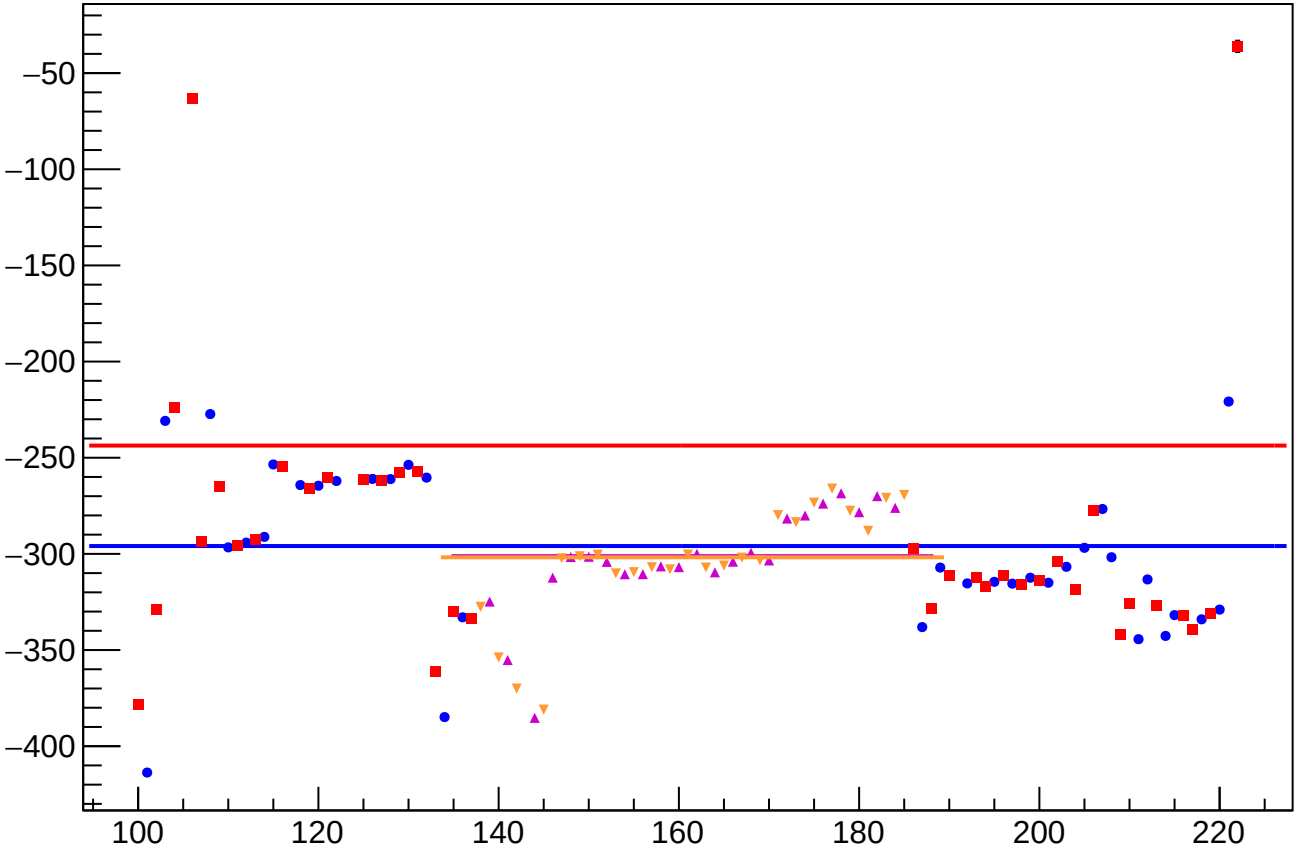
Right: 95.782+/-1.844 χ^2/NDF: 1251.7/69

In: 137.098+/-1.583 χ^2/NDF:1322.2/56

Out: 131.382+/-1.552 χ^2/NDF:1655.1/59

All: 134.184+/-1.109 χ^2/NDF: 2983.9/116

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -295.924+/-0.136 χ^2/NDF: 121290.5/33

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -243.686+/-0.121 χ^2/NDF: 720851.9/35

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

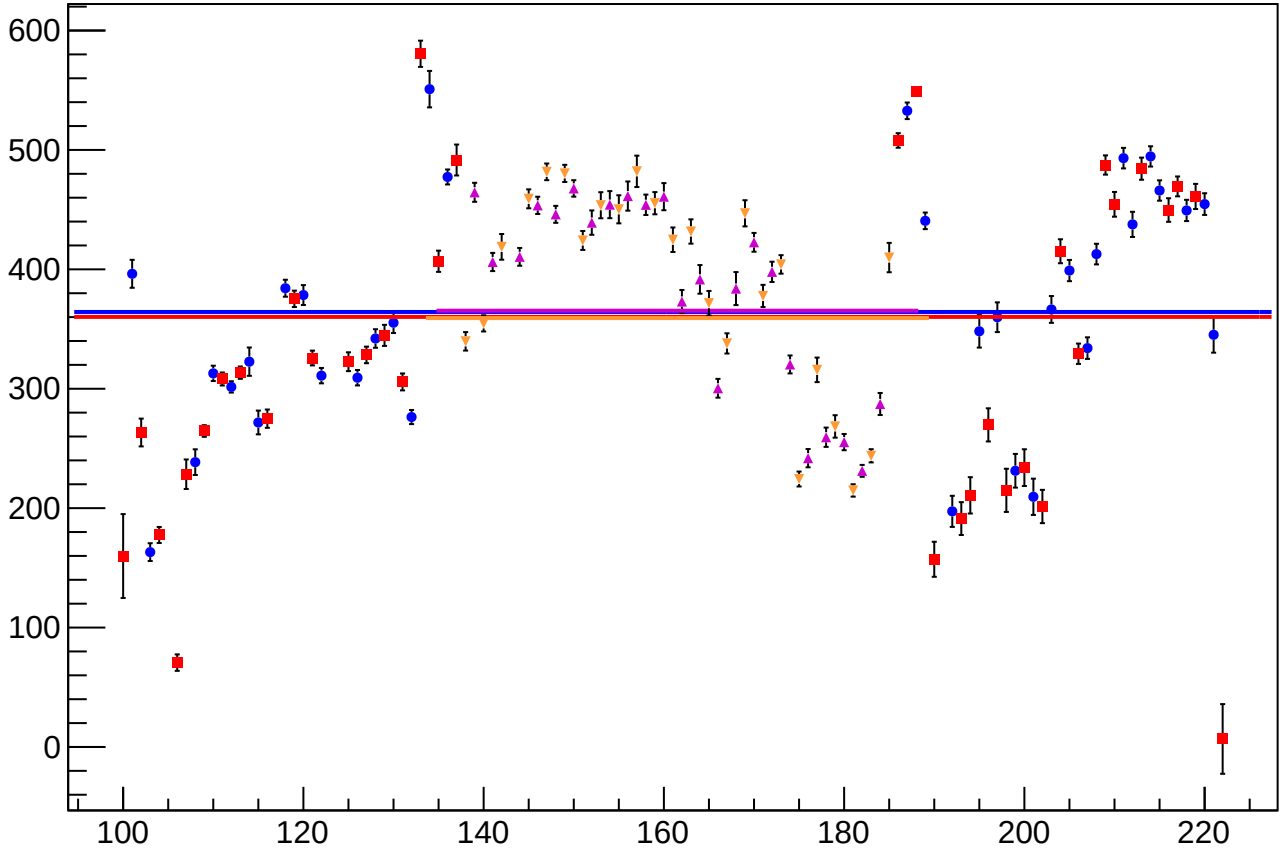
Right: -266.738+/-0.090 χ^2/NDF: 924621.9/69

In: -299.575+/-0.075 χ^2/NDF:197653.3/56

Out: -280.820+/-0.073 χ^2/NDF:955343.0/59

All: -289.883+/-0.052 χ^2/NDF: 1185260.7/11

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: 360.178+/-1.335 χ^2/NDF: 9142.3/35

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

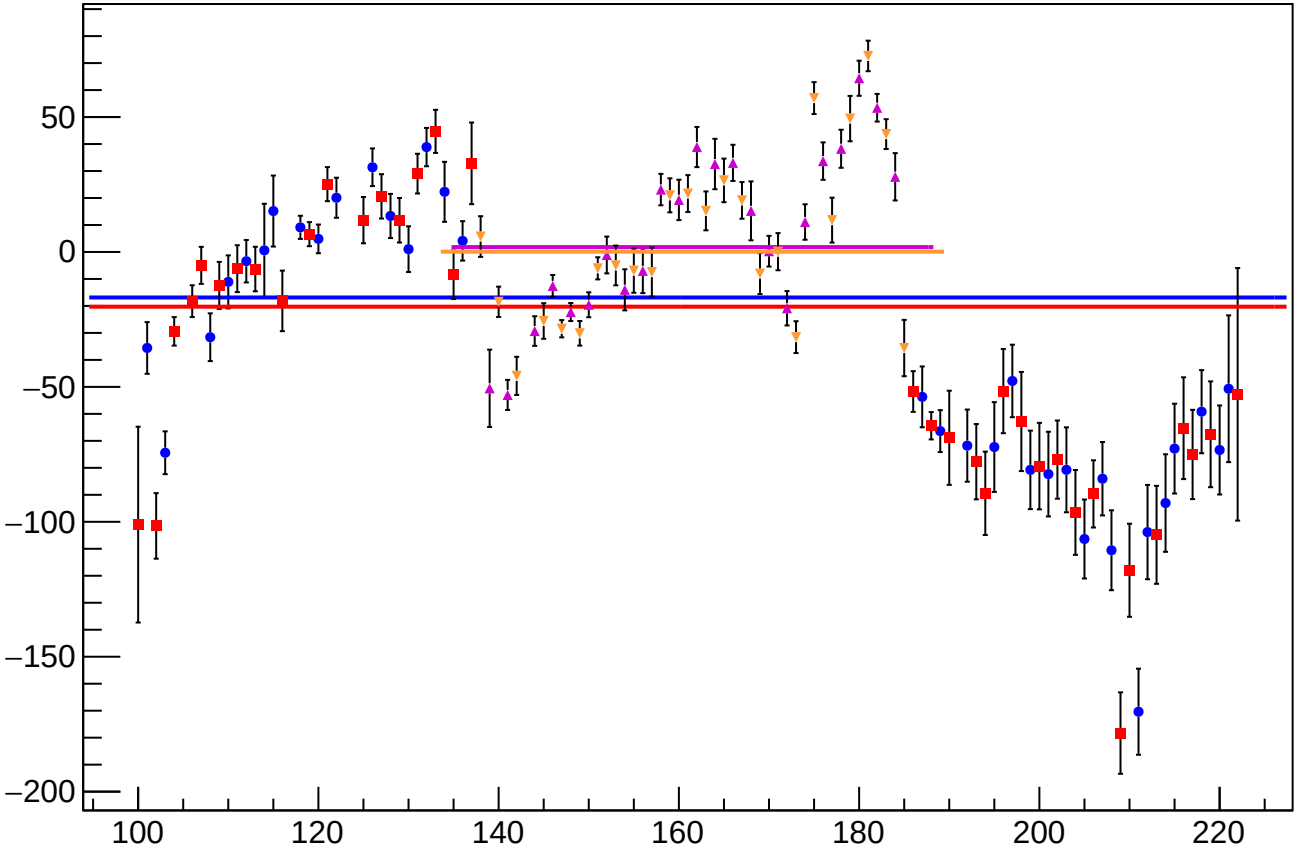
Right: 362.089+/-0.978 χ^2/NDF: 13182.1/69

In: 364.747+/-1.095 χ^2/NDF:6775.0/56

Out: 359.795+/-1.045 χ^2/NDF:12330.4/59

All: 362.156+/-0.756 χ^2/NDF: 19116.2/116

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: -20.278+/-1.530 χ^2/NDF: 748.1/35

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

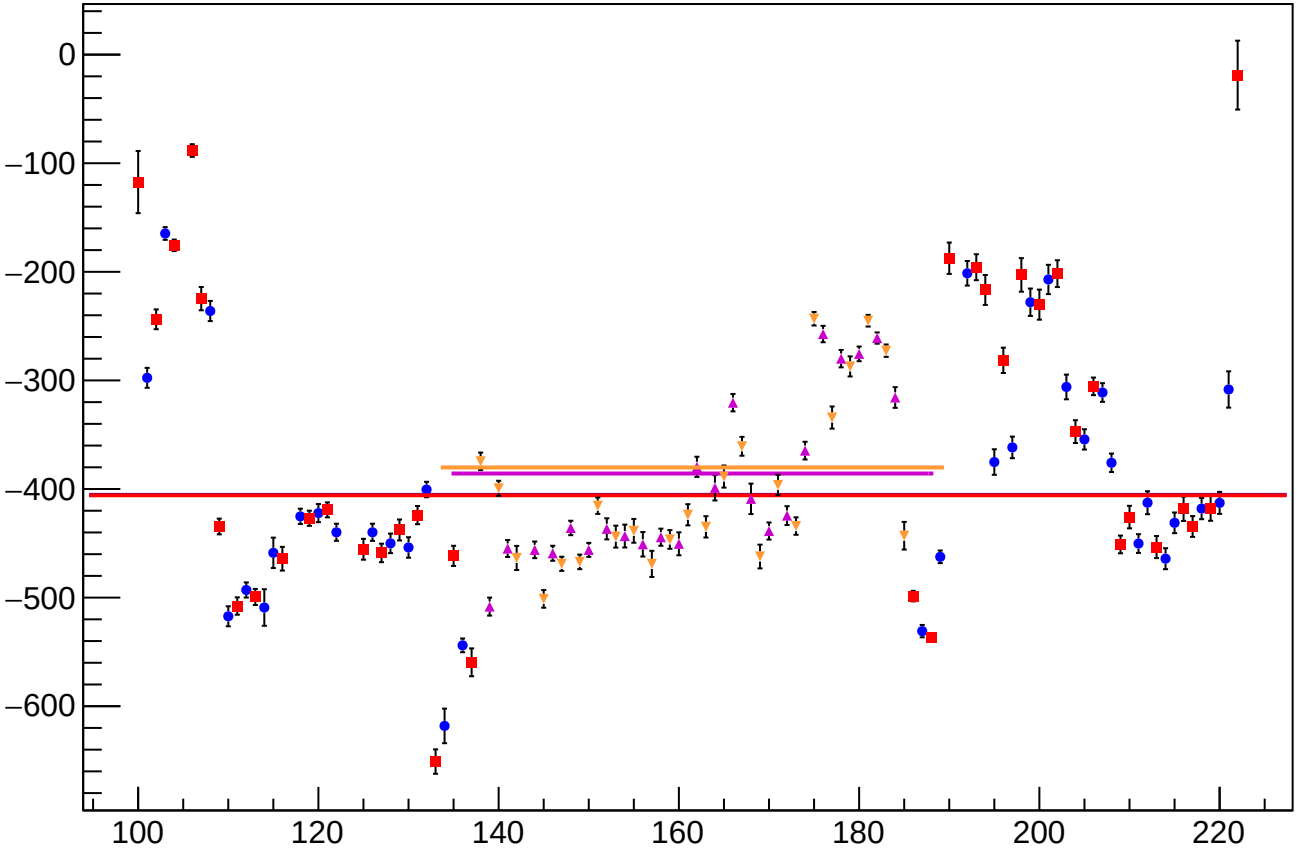
Right: -18.695+/-1.121 χ^2/NDF: 1453.0/69

In: -5.134+/-1.004 χ^2/NDF:1360.5/56

Out: -8.025+/-0.967 χ^2/NDF:1492.8/59

All: -6.634+/-0.696 χ^2/NDF: 2857.5/116

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -405.416+/-1.500 χ^2/NDF: 4974.8/33

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.752+/-1.349 χ^2/NDF: 10874.7/35

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

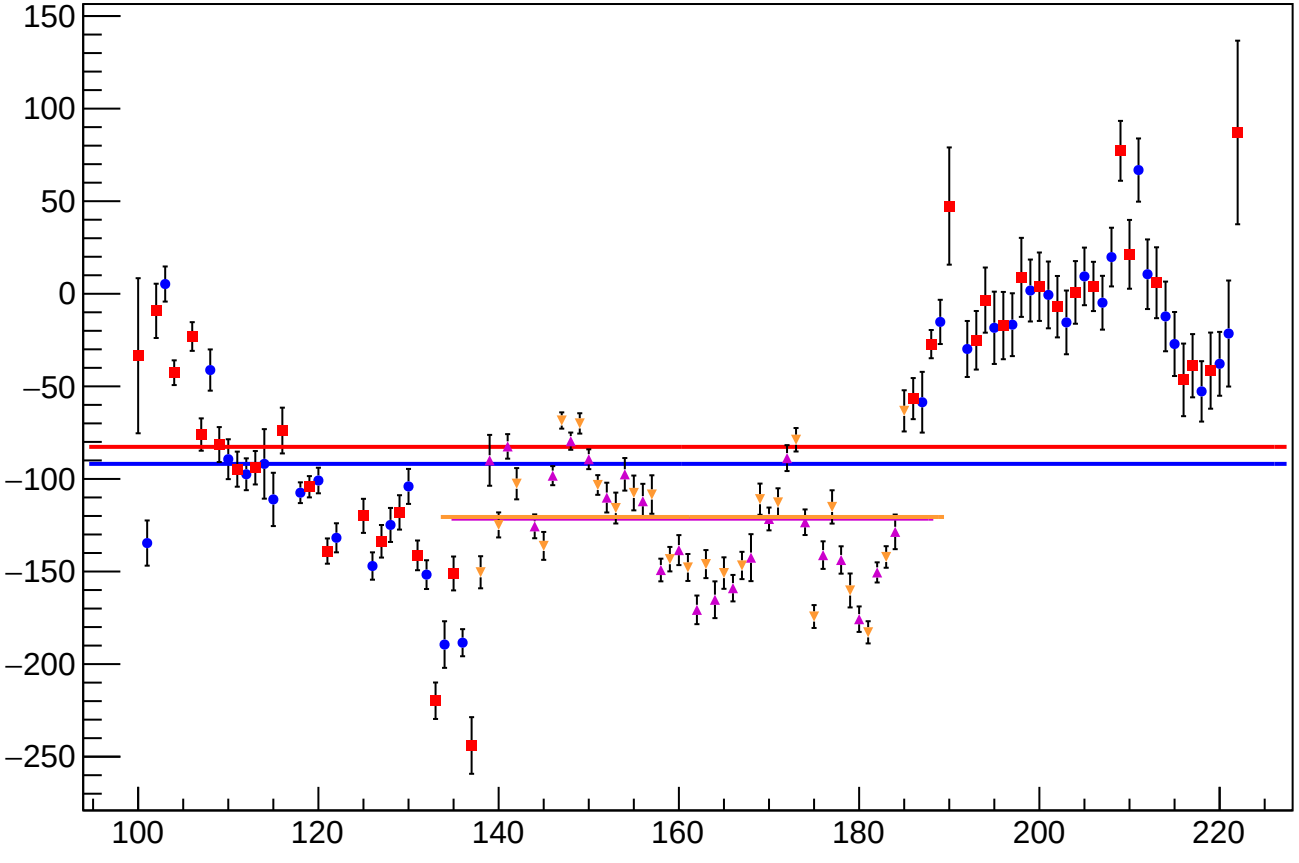
Right: -405.602+/-1.003 χ^2/NDF: 15849.5/69

In: -396.665+/-1.118 χ^2/NDF:7412.6/56

Out: -395.638+/-1.049 χ^2/NDF:13635.6/59

All: -396.119+/-0.765 χ^2/NDF: 21048.7/116

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: -82.678+/-1.821 χ^2/NDF: 1112.9/35

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

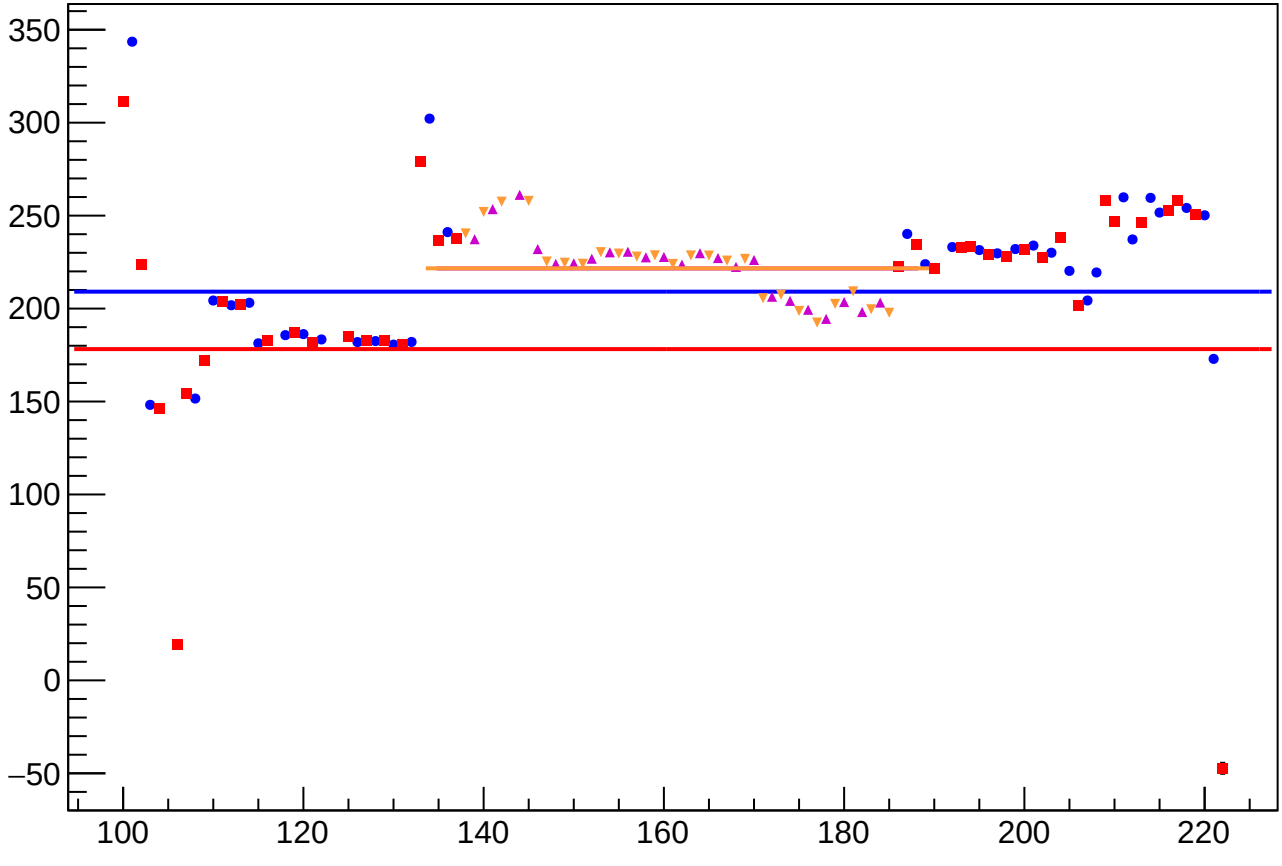
Right: -87.038+/-1.320 χ^2/NDF: 2134.3/69

In: -110.677+/-1.156 χ^2/NDF:1593.7/56

Out: -106.035+/-1.127 χ^2/NDF:1991.0/59

All: -108.298+/-0.807 χ^2/NDF: 3593.0/116

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: 178.202+/-0.089 χ^2/NDF: 694955.8/35

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

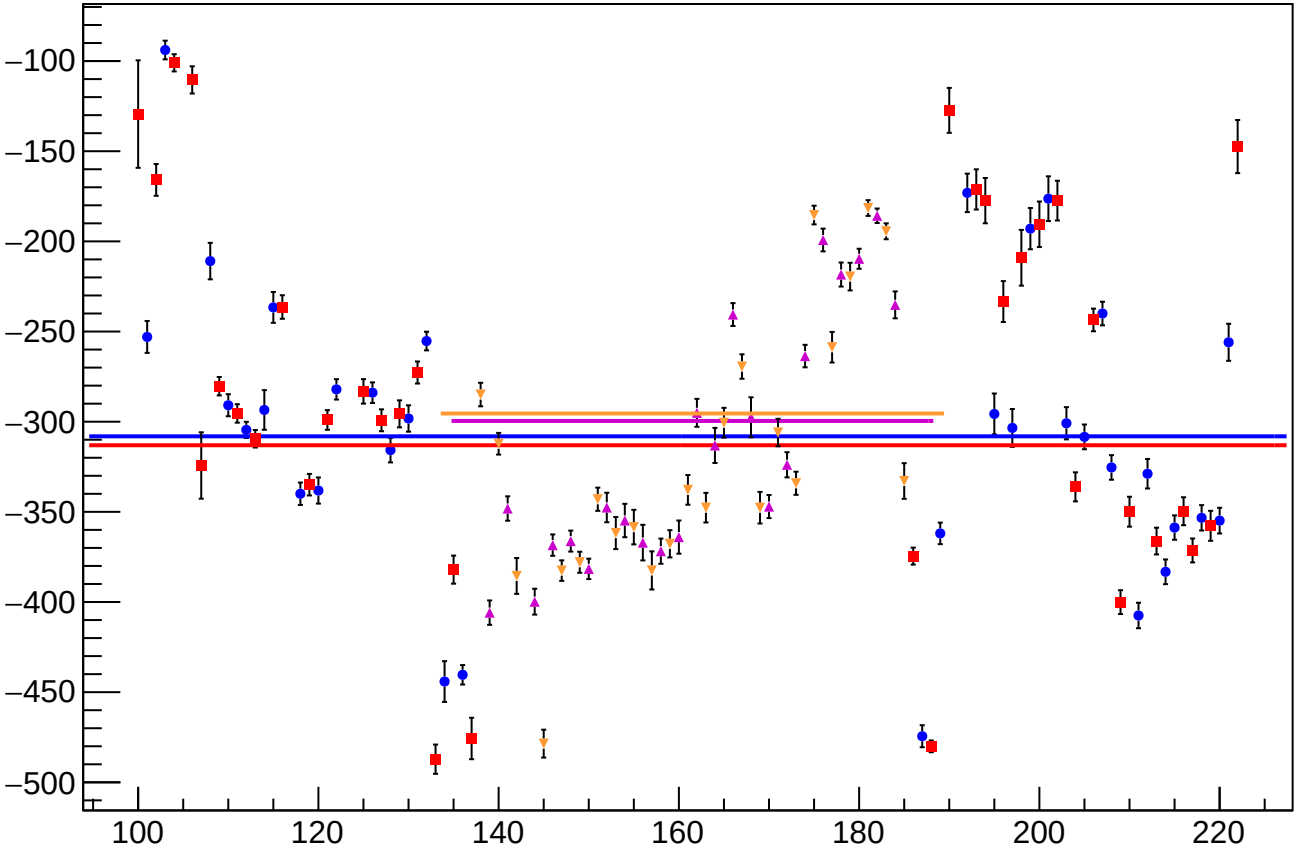
Right: 192.290+/-0.066 χ^2/NDF: 965881.9/69

In: 217.647+/-0.055 χ^2/NDF:289819.9/56

Out: 206.133+/-0.053 χ^2/NDF:913841.4/59

All: 211.746+/-0.038 χ^2/NDF: 1226280.0/116

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: -313.065+/-1.150 χ^2/NDF: 8268.4/35

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

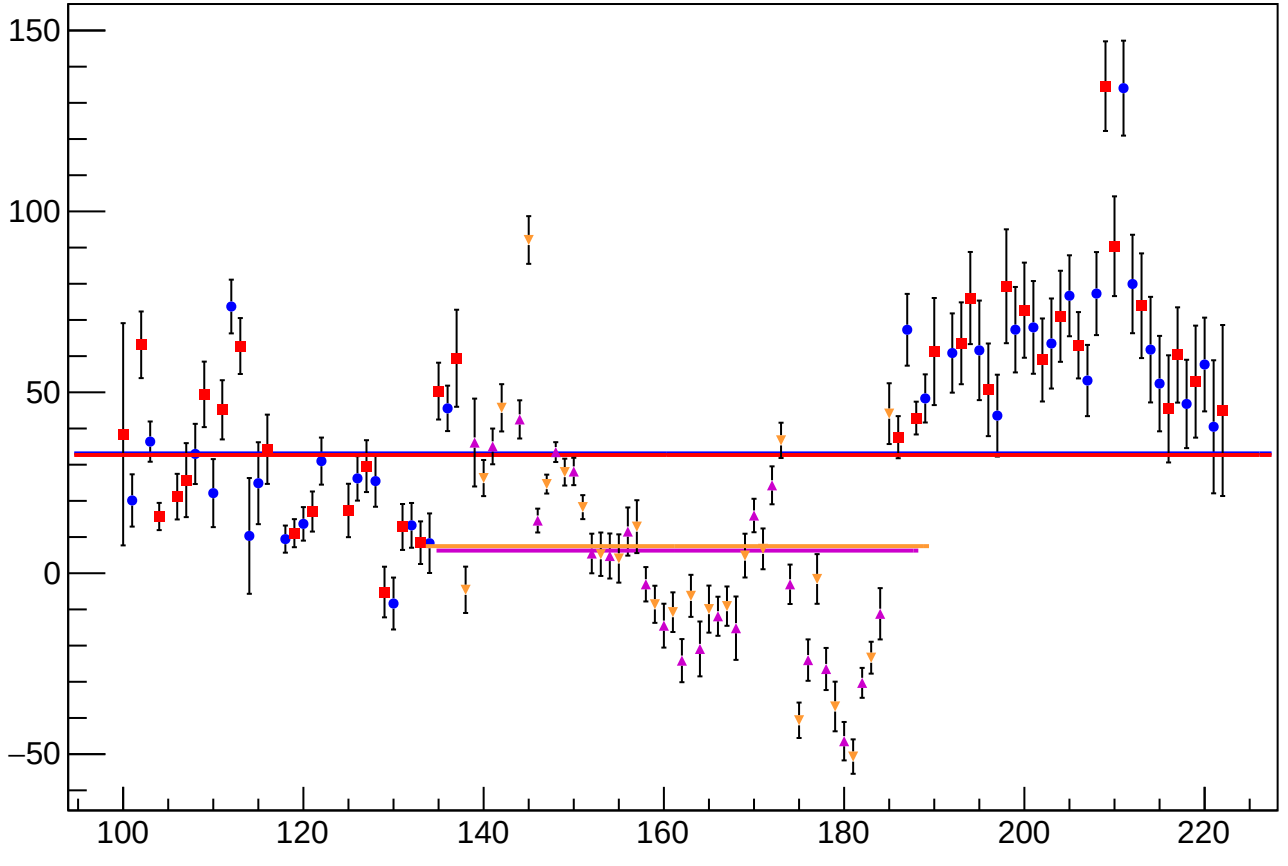
Right: -310.709+/-0.833 χ^2/NDF: 12942.1/69

In: -304.467+/-0.913 χ^2/NDF:7658.0/56

Out: -305.928+/-0.887 χ^2/NDF:11709.6/59

All: -305.219+/-0.636 χ^2/NDF: 19368.9/116

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 32.686+/-1.316 χ^2/NDF: 339.3/35

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

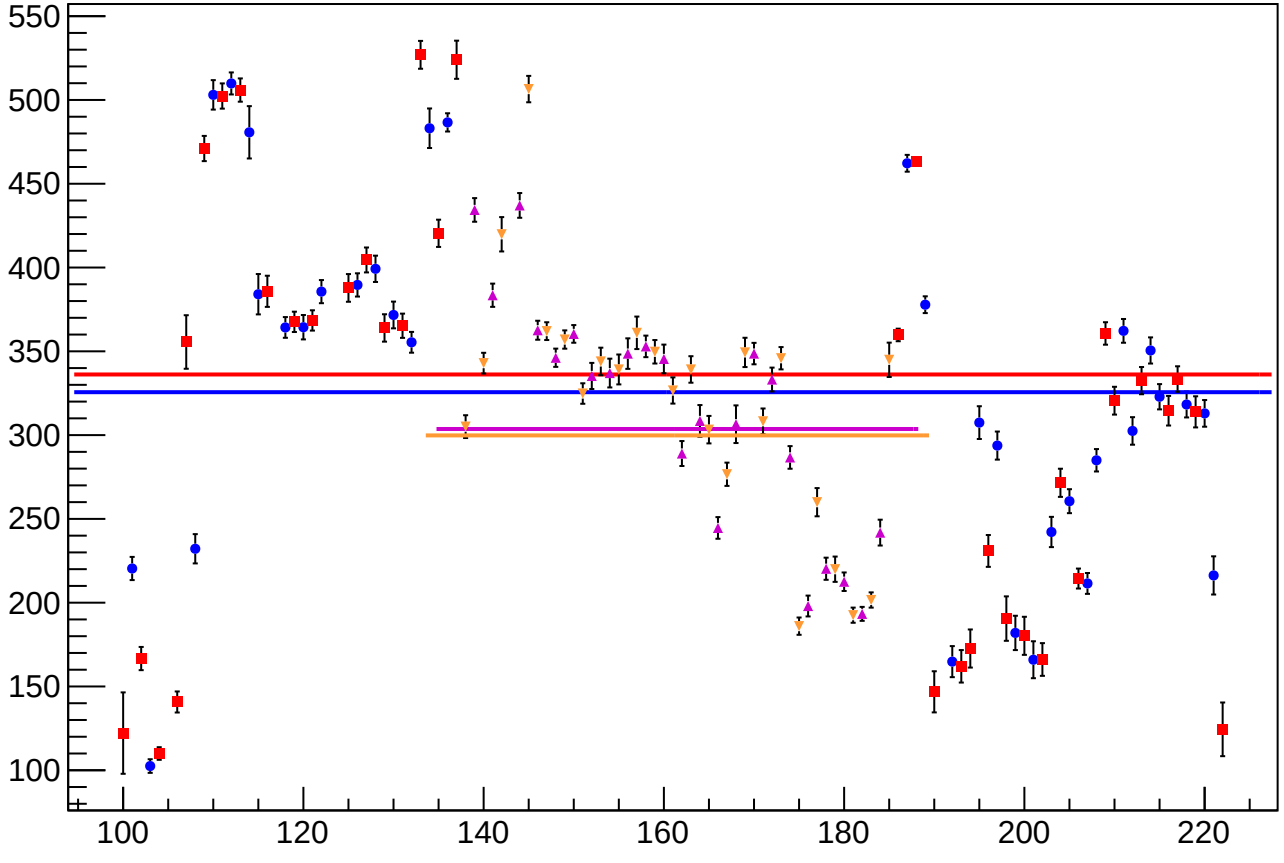
Right: 32.889+/-0.956 χ^2/NDF: 660.3/69

In: 15.959+/-0.835 χ^2/NDF:1119.0/56

Out: 17.051+/-0.811 χ^2/NDF:1305.2/59

All: 16.521+/-0.582 χ^2/NDF: 2425.0/116

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: 336.182+/-1.145 χ^2/NDF: 12346.7/35

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

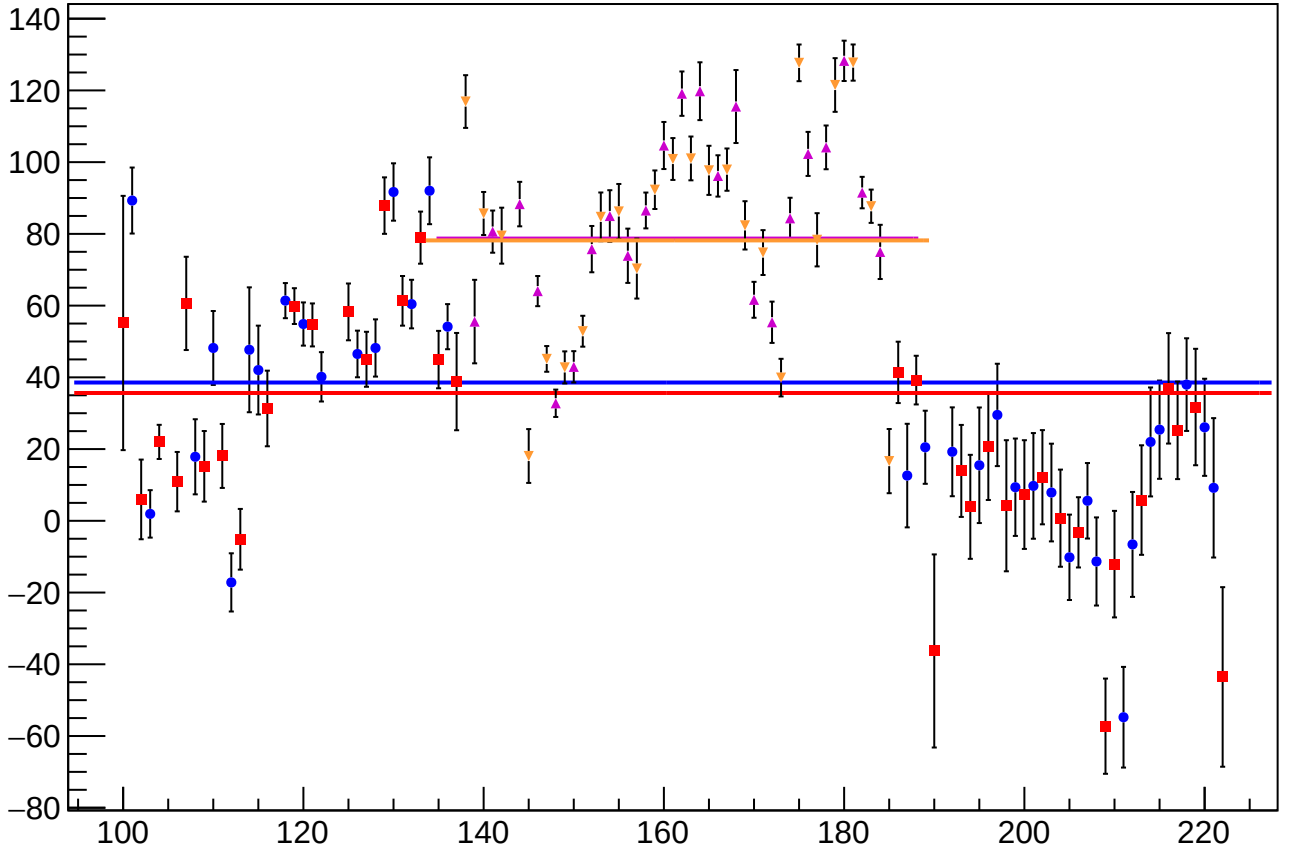
Right: 331.322+/-0.841 χ^2/NDF: 20741.4/69

In: 315.820+/-0.923 χ^2/NDF:11367.9/56

Out: 321.377+/-0.881 χ^2/NDF:15833.6/59

All: 318.728+/-0.637 χ^2/NDF: 27220.5/116

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: 35.639+/-1.566 χ^2/NDF: 320.2/35

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

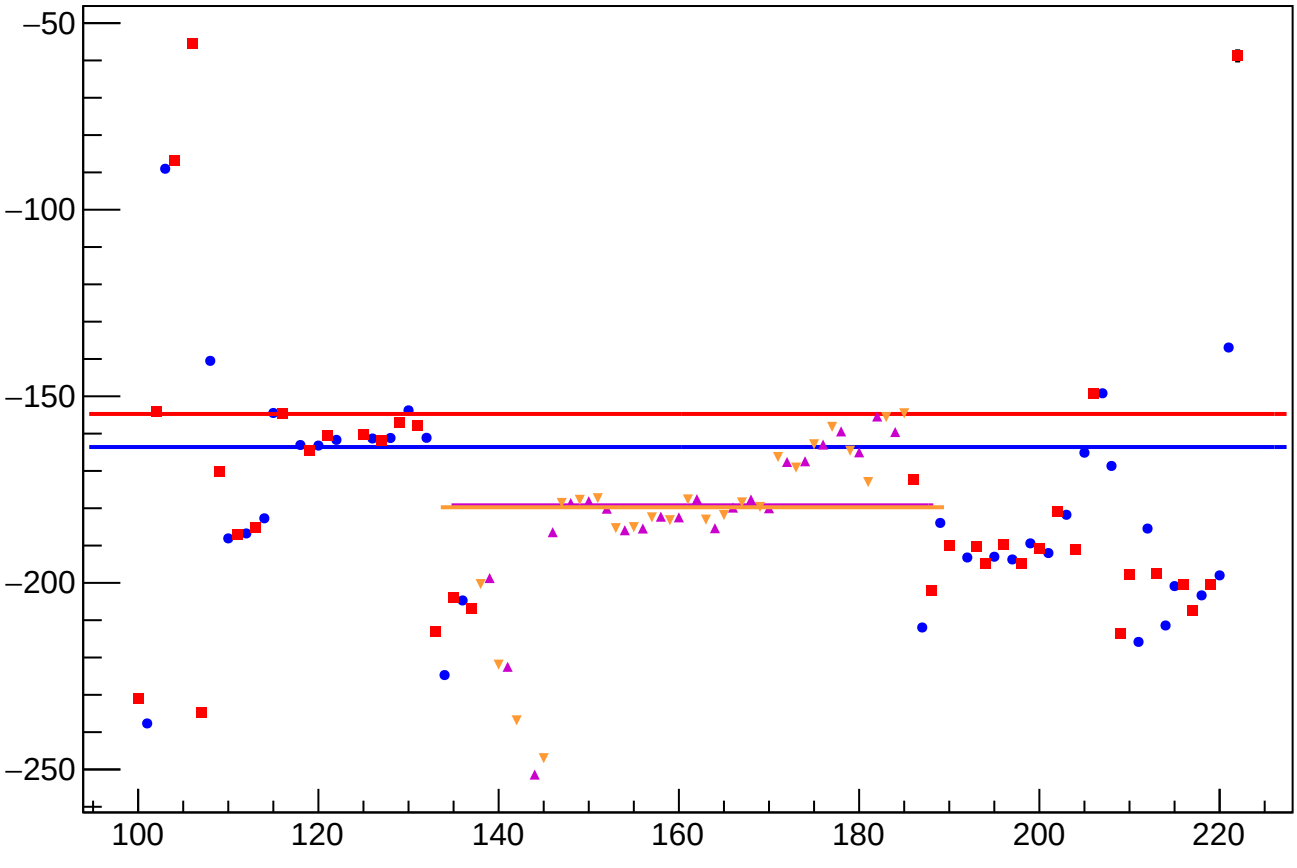
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.053+/-1.124 χ^2/NDF: 687.7/69

In: 64.489+/-0.960 χ^2/NDF:1253.6/56

Out: 62.693+/-0.945 χ^2/NDF:1453.1/59

All: 63.576+/-0.673 χ^2/NDF: 2708.5/116



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: -154.733+/-0.076 χ^2/NDF: 449080.9/35

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

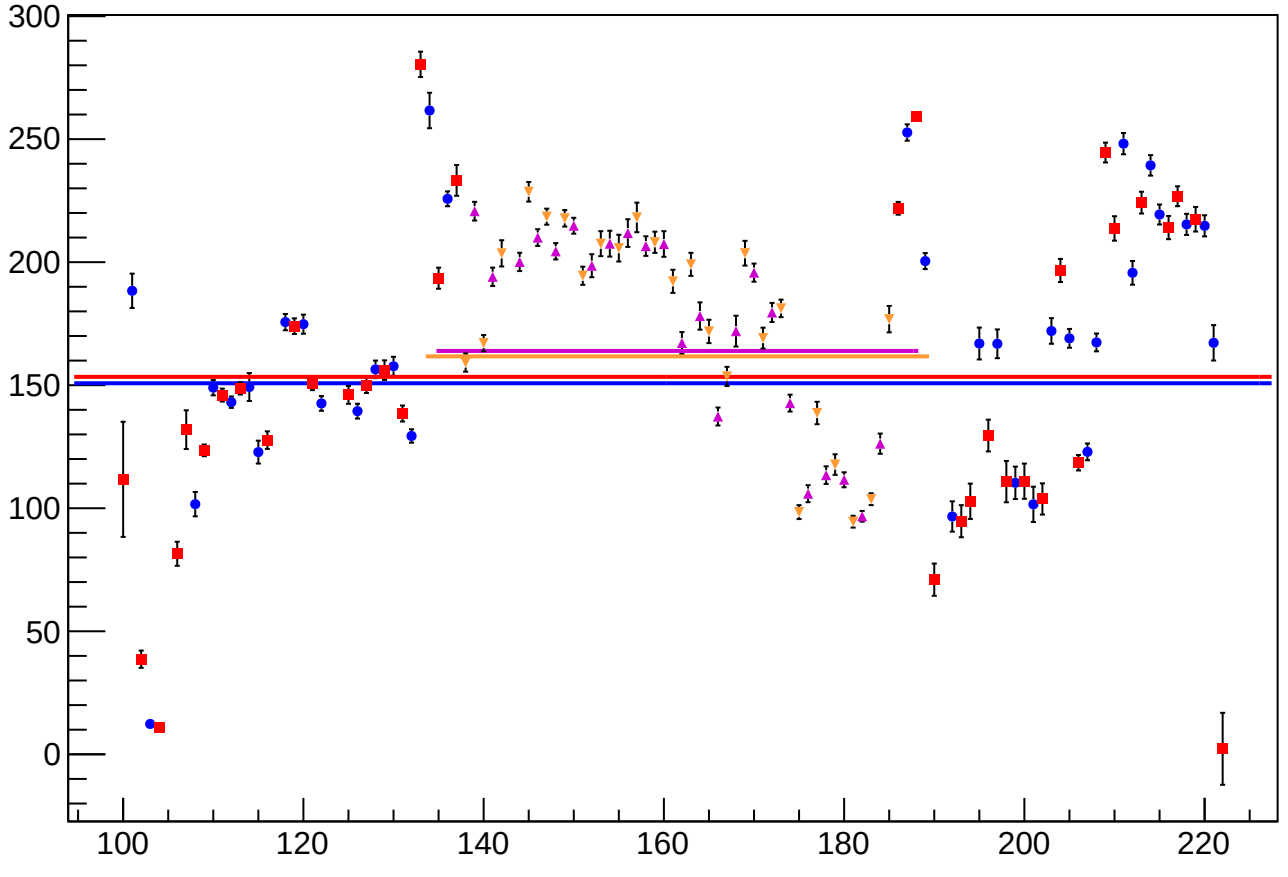
Right: -159.036+/-0.055 χ^2/NDF: 780106.8/69

In: -174.146+/-0.045 χ^2/NDF:464677.1/56

Out: -171.199+/-0.045 χ^2/NDF:651868.4/59

All: -172.667+/-0.032 χ^2/NDF: 1118717.4/11

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 150.784+/-0.640 χ^2/NDF: 10277.5/33

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 153.392+/-0.604 χ^2/NDF: 15146.0/35

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

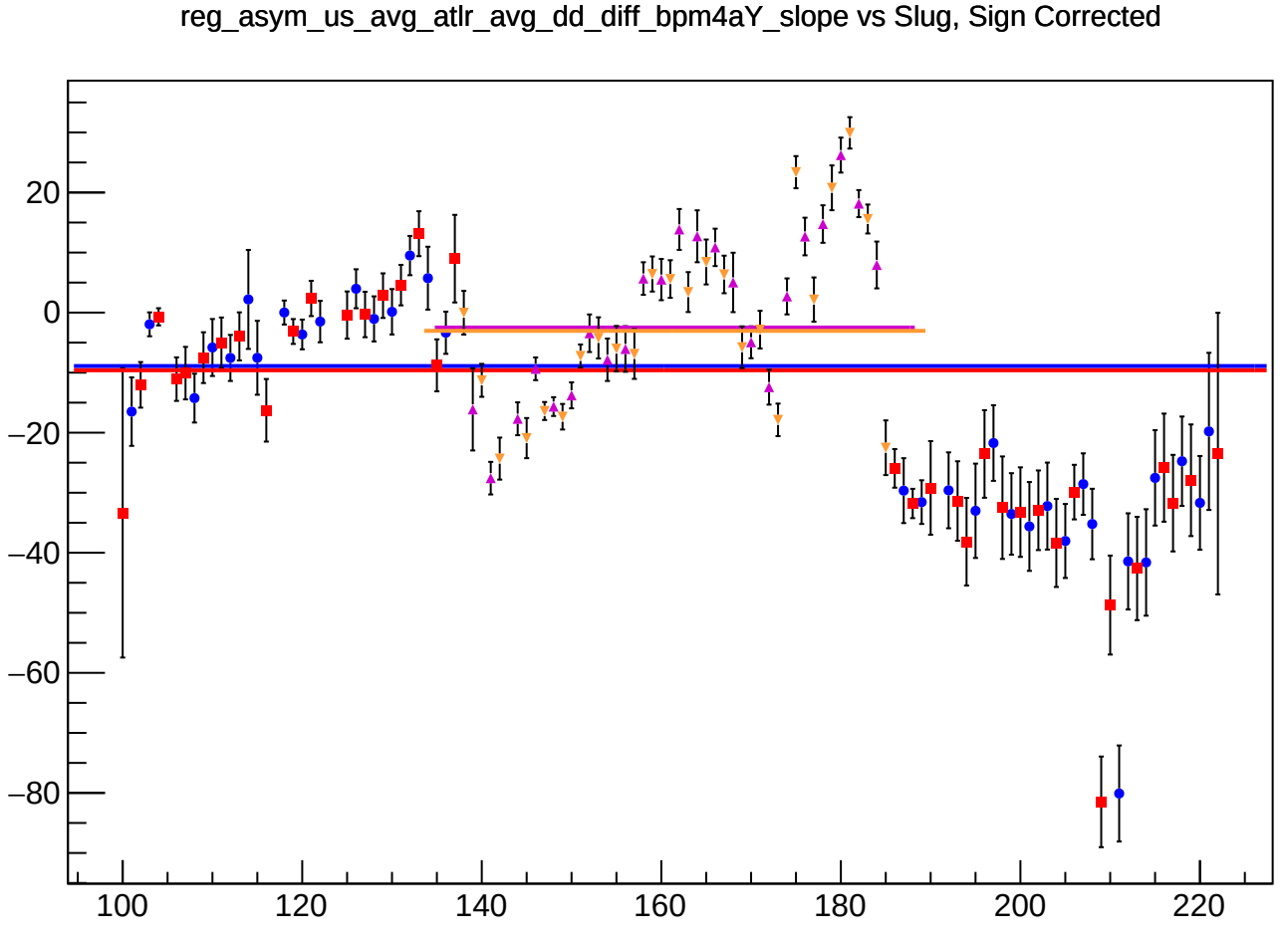
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

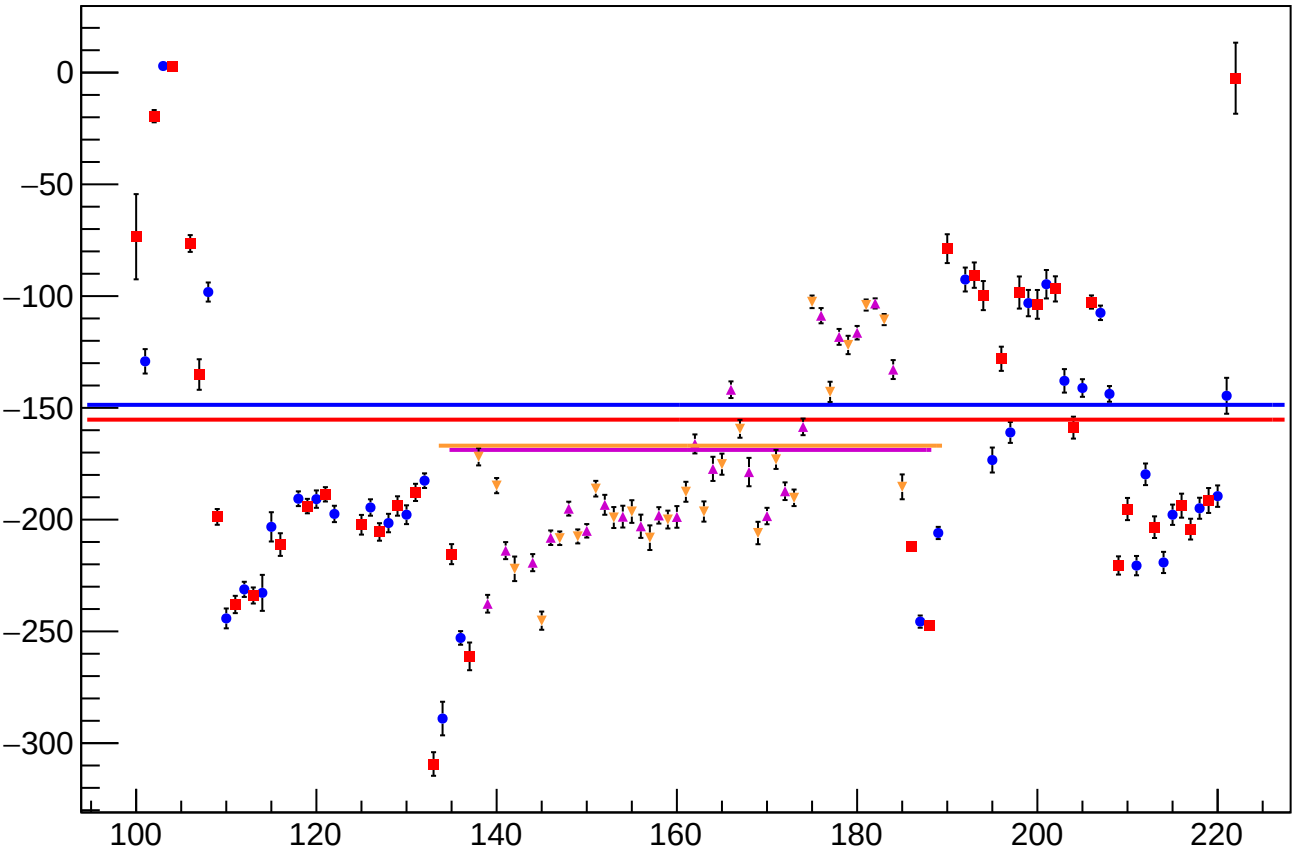
Right: 152.164+/-0.439 χ^2/NDF: 25432.3/69

In: 156.082+/-0.495 χ^2/NDF:13782.8/56

Out: 156.529+/-0.477 χ^2/NDF:18804.8/59

All: 156.314+/-0.343 χ^2/NDF: 32588.0/116


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
120
140
160
180
200
220
Right In: -8.902+/-0.731 χ²/NDF: 415.1/33
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -9.604+/-0.669 χ²/NDF: 507.7/35
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
Left: -2.769+/-0.412 χ²/NDF: 1217.8/46
Right: -9.284+/-0.493 χ²/NDF: 923.3/69
In: -5.004+/-0.458 χ²/NDF:1024.7/56
Out: -5.846+/-0.437 χ²/NDF:1217.4/59
All: -5.444+/-0.316 χ²/NDF: 2243.8/116



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: -155.271+/-0.592 χ^2/NDF: 24792.4/35

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

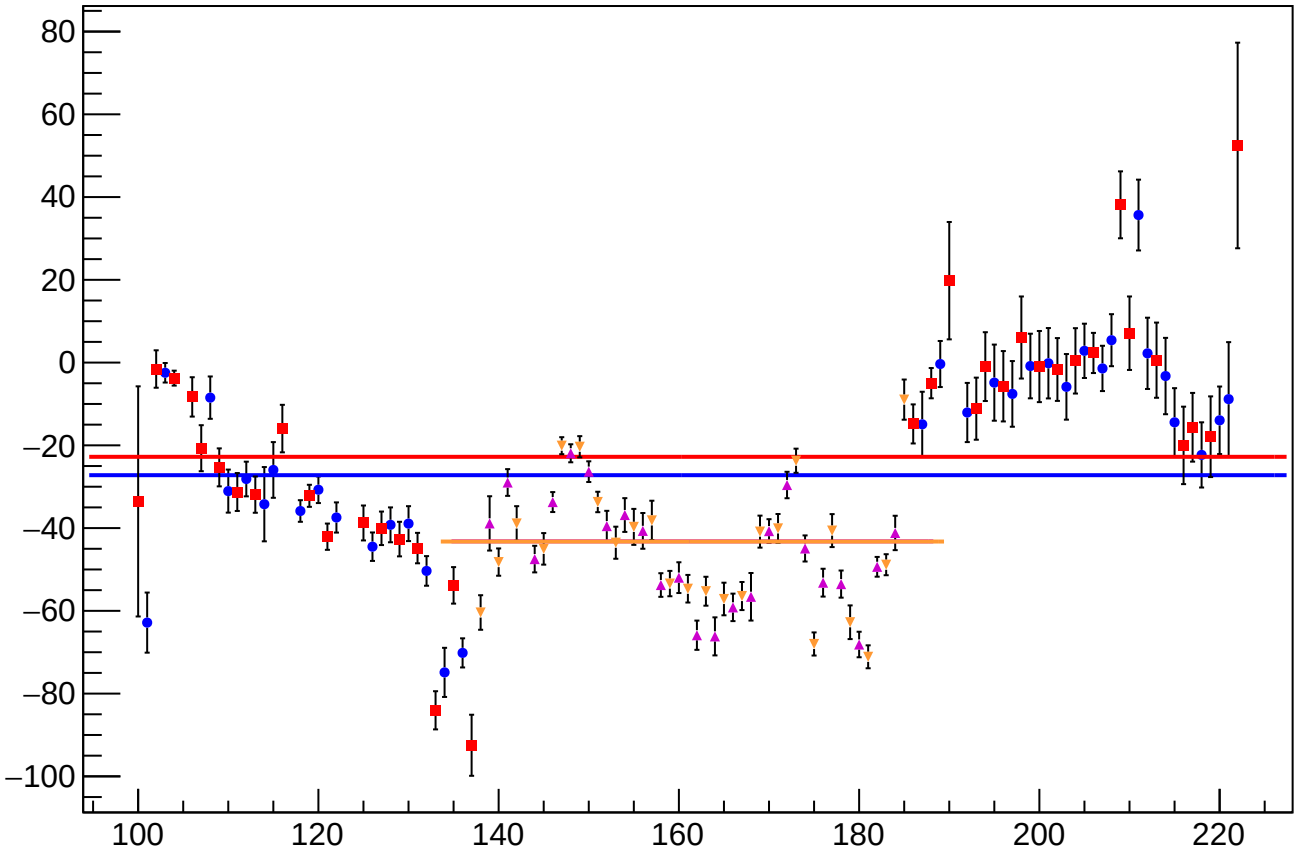
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -152.244+/-0.436 χ^2/NDF: 43016.0/69

In: -156.939+/-0.495 χ^2/NDF:21627.1/56

Out: -159.593+/-0.470 χ^2/NDF:28032.0/59

All: -158.336+/-0.341 χ^2/NDF: 49674.2/116



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: -22.774+/-0.800 χ^2/NDF: 799.4/35

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

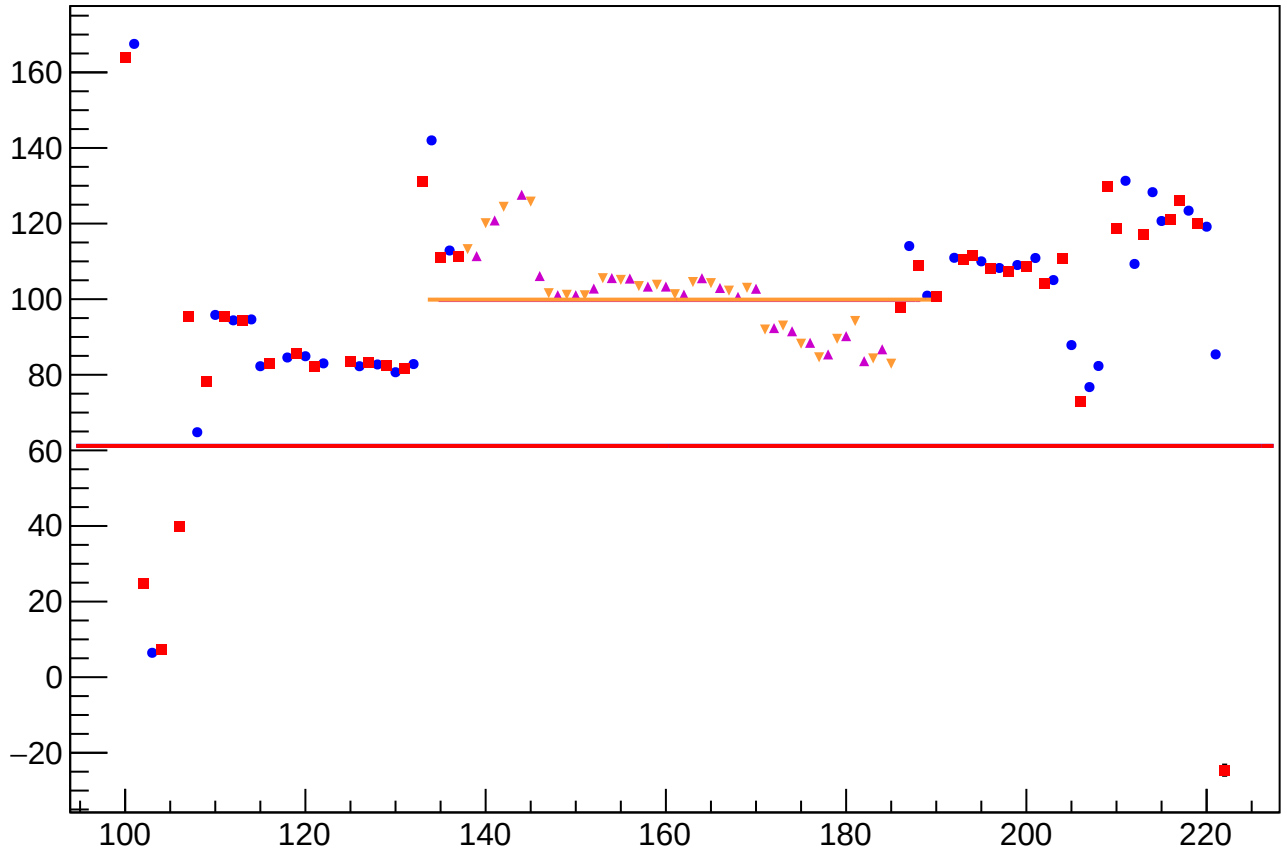
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

Right: -24.856+/-0.583 χ^2/NDF: 1499.5/69

In: -37.085+/-0.526 χ^2/NDF:1309.7/56

Out: -34.893+/-0.511 χ^2/NDF:1797.7/59

All: -35.956+/-0.367 χ^2/NDF: 3116.3/116



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: 61.177+/-0.038 χ^2/NDF: 1405528.2/35

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

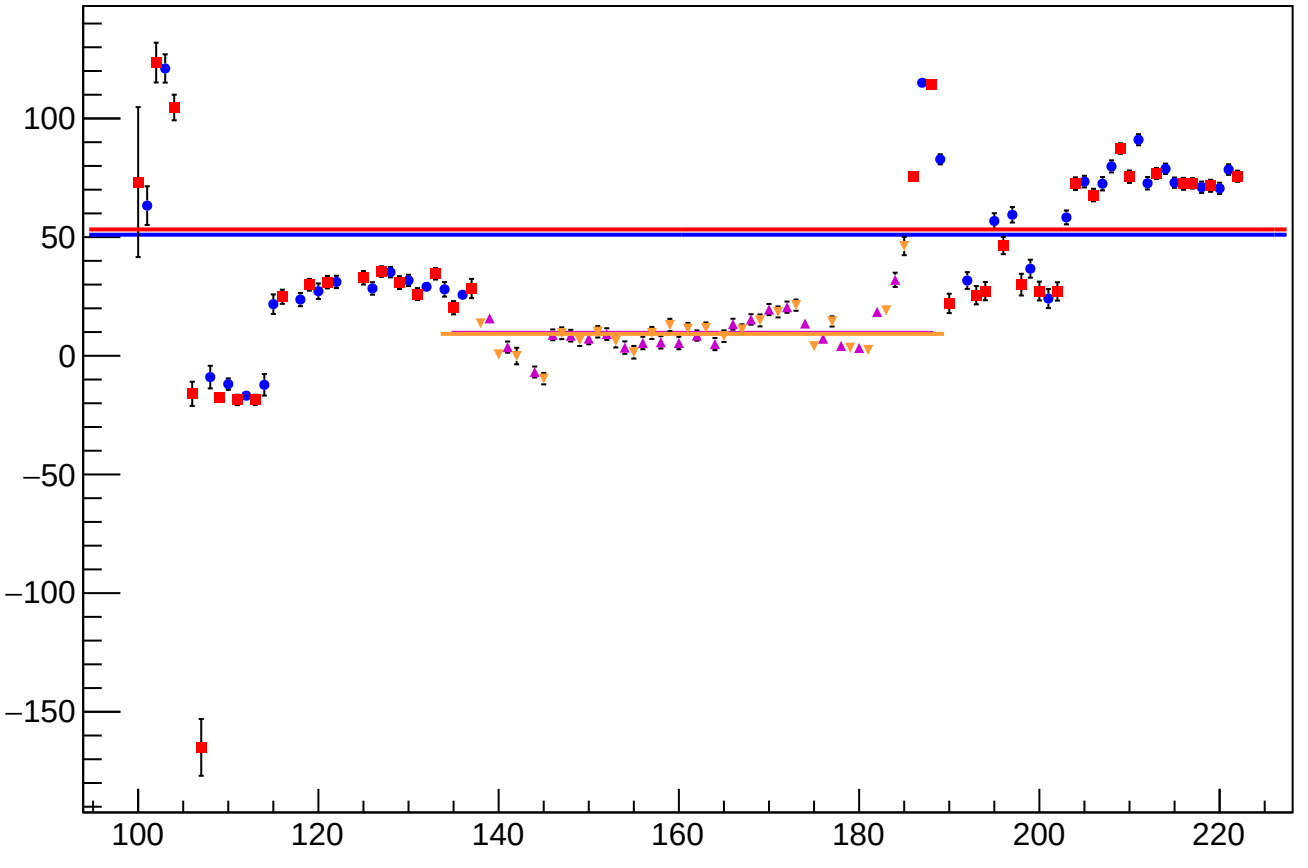
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 61.191+/-0.027 χ^2/NDF: 3028361.8/69

In: 84.598+/-0.024 χ^2/NDF:2363124.8/56

Out: 84.463+/-0.024 χ^2/NDF:2159480.5/59

All: 84.531+/-0.017 χ^2/NDF: 4522621.2/116



Right In: 51.021+/-0.454 χ^2/NDF: 5621.9/33

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 53.241+/-0.429 χ^2/NDF: 8893.6/35

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

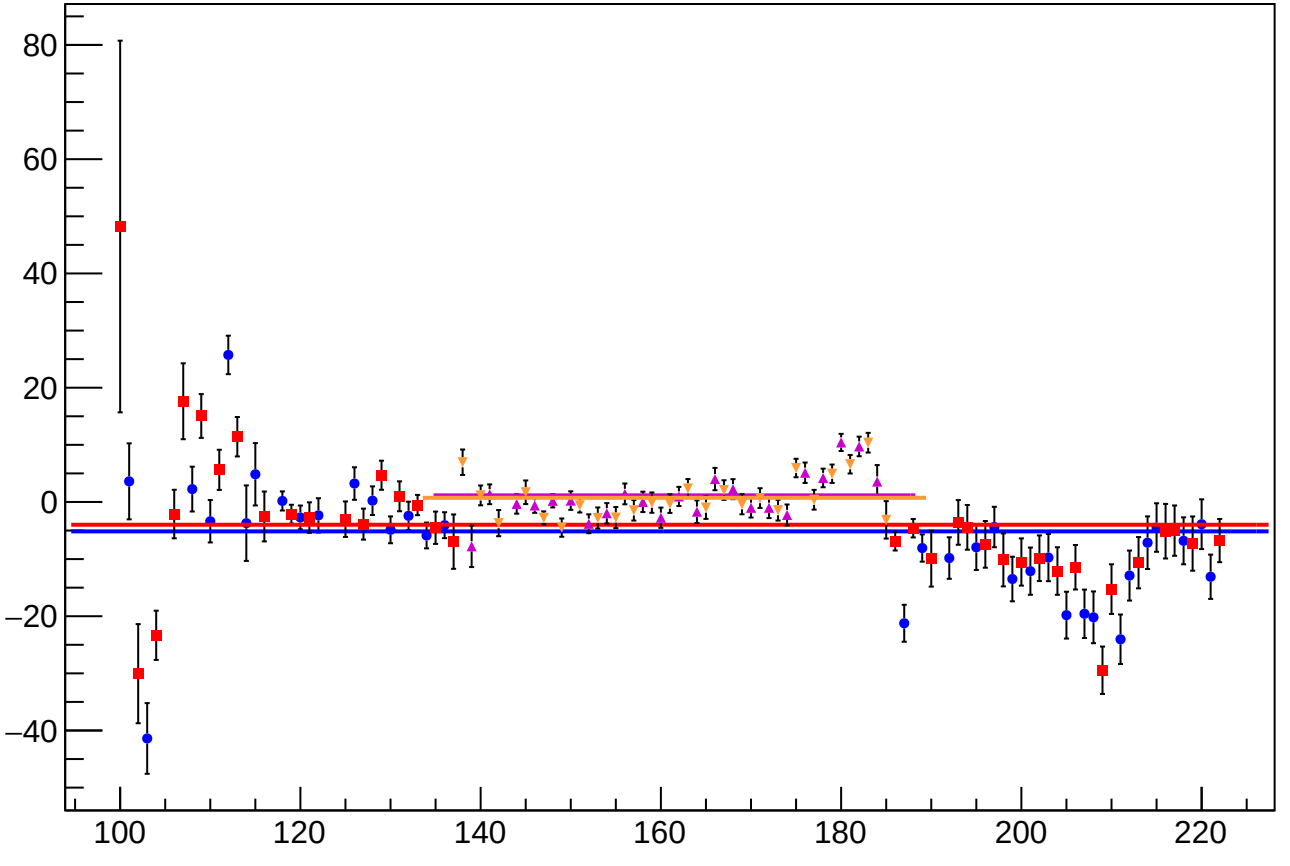
Right: 52.193+/-0.312 χ^2/NDF: 14528.1/69

In: 30.736+/-0.324 χ^2/NDF:9941.6/56

Out: 32.590+/-0.313 χ^2/NDF:14156.8/59

All: 31.696+/-0.225 χ^2/NDF: 24115.4/116

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.148+/-0.553 χ^2/NDF: 253.8/33

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.986+/-0.525 χ^2/NDF: 182.8/35

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

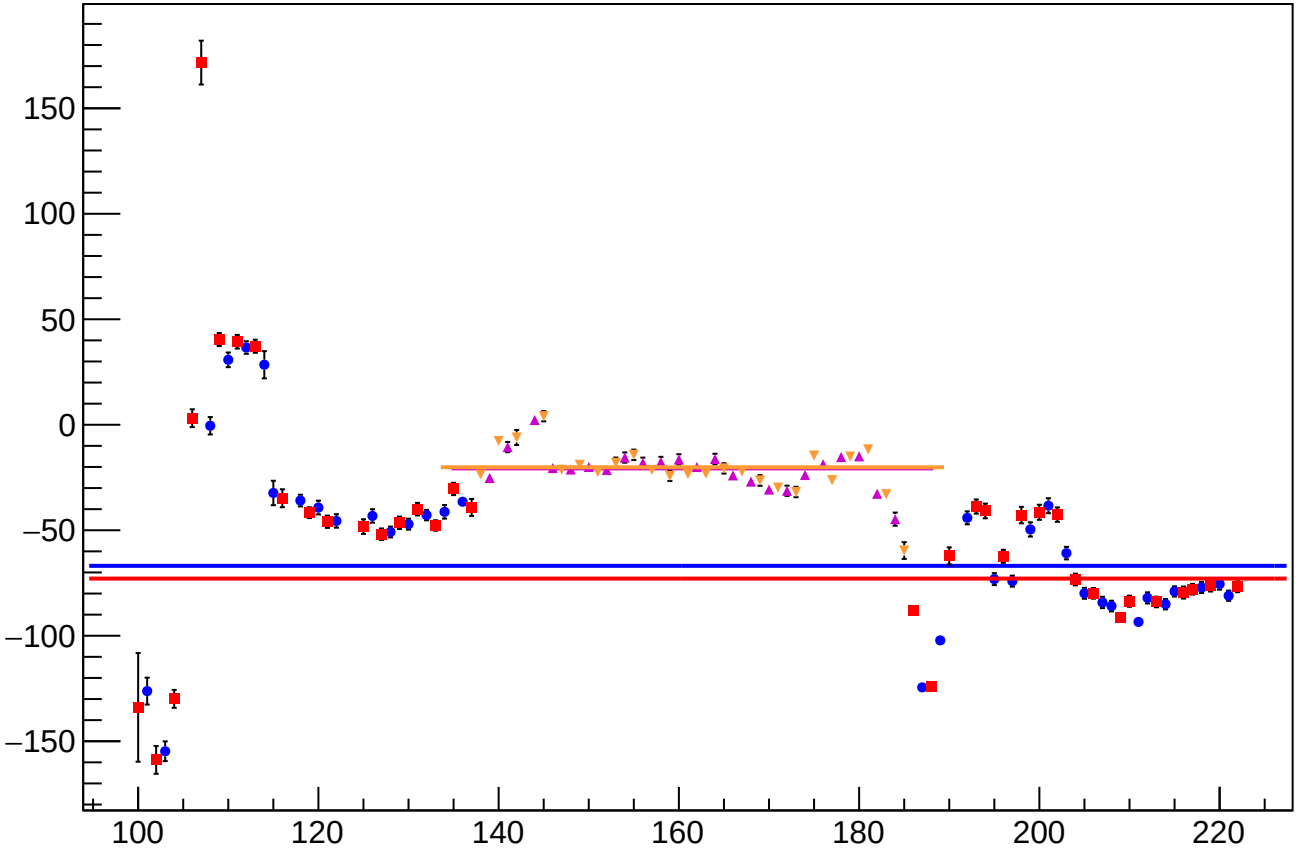
Right: -4.537+/-0.381 χ^2/NDF: 438.9/69

In: -0.702+/-0.300 χ^2/NDF:455.9/56

Out: -0.716+/-0.291 χ^2/NDF:348.3/59

All: -0.709+/-0.209 χ^2/NDF: 804.3/116

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: -72.907+/-0.426 χ^2/NDF: 9796.1/35

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

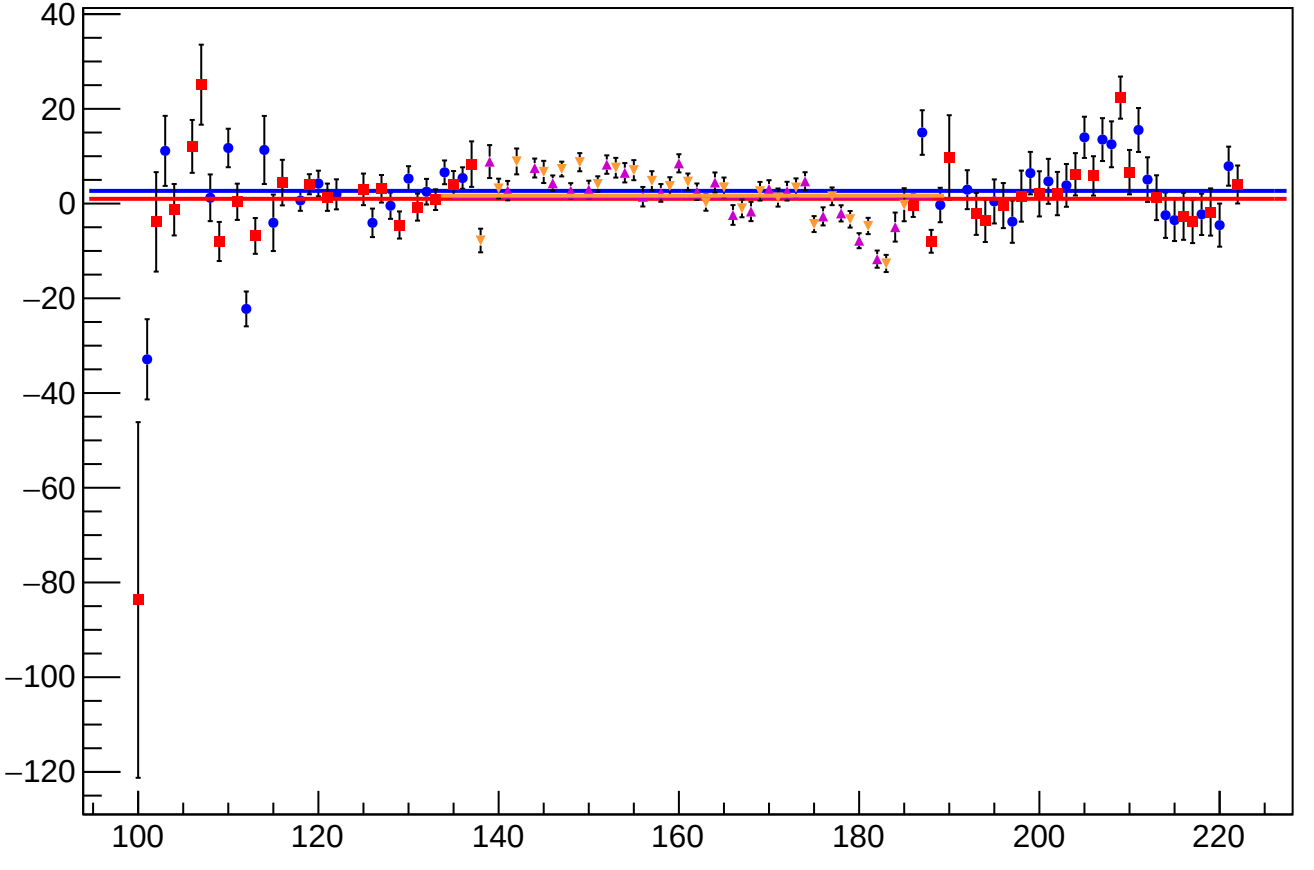
Right: -70.187+/-0.316 χ^2/NDF: 15855.8/69

In: -43.147+/-0.328 χ^2/NDF:11233.9/56

Out: -48.124+/-0.310 χ^2/NDF:17425.7/59

All: -45.774+/-0.225 χ^2/NDF: 28781.2/116

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.681+/-0.634 χ^2/NDF: 128.9/33

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 1.003+/-0.624 χ^2/NDF: 84.3/35

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

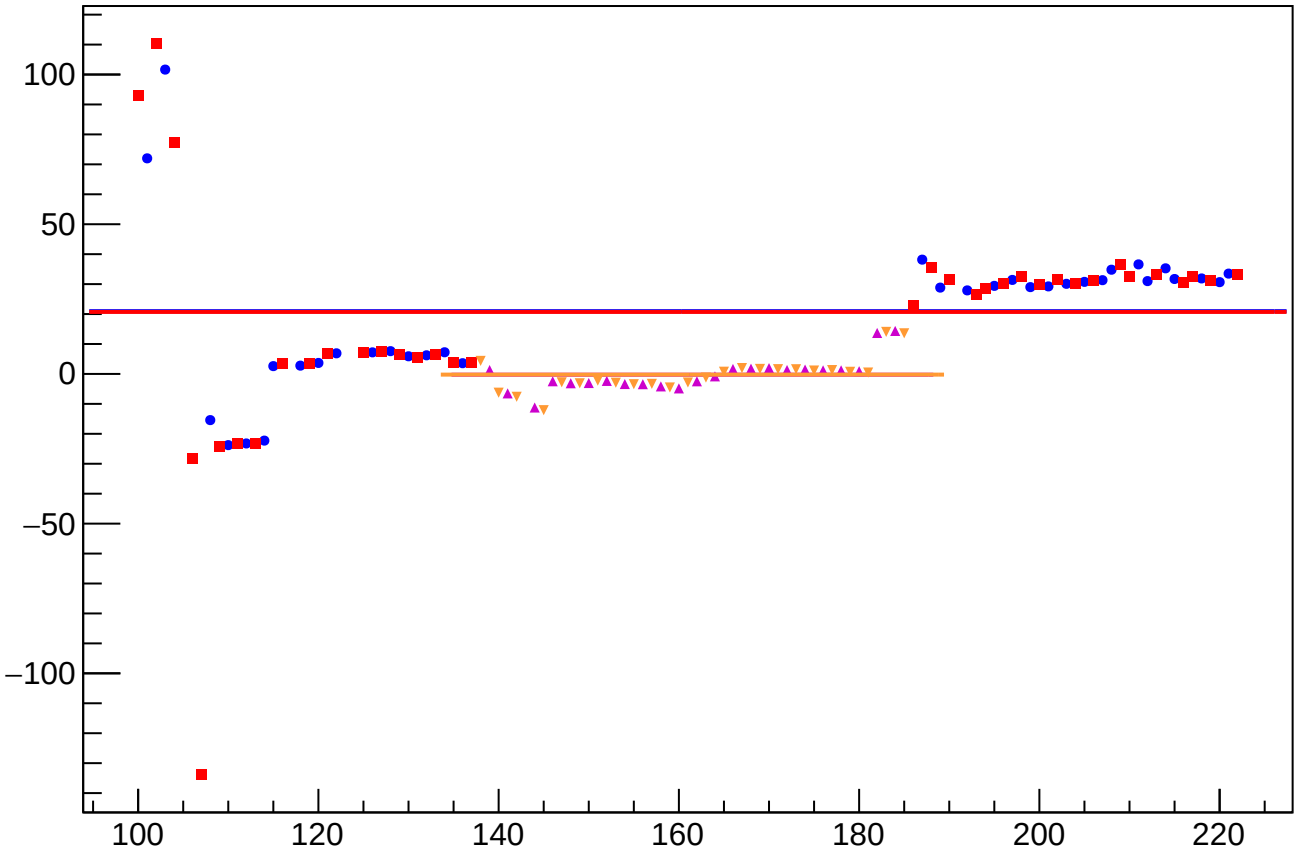
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.827+/-0.445 χ^2/NDF: 216.8/69

In: 1.787+/-0.340 χ^2/NDF:294.5/56

Out: 1.480+/-0.334 χ^2/NDF:263.1/59

All: 1.631+/-0.238 χ^2/NDF: 558.0/116



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: 20.712+/-0.032 χ^2/NDF: 609982.7/35

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

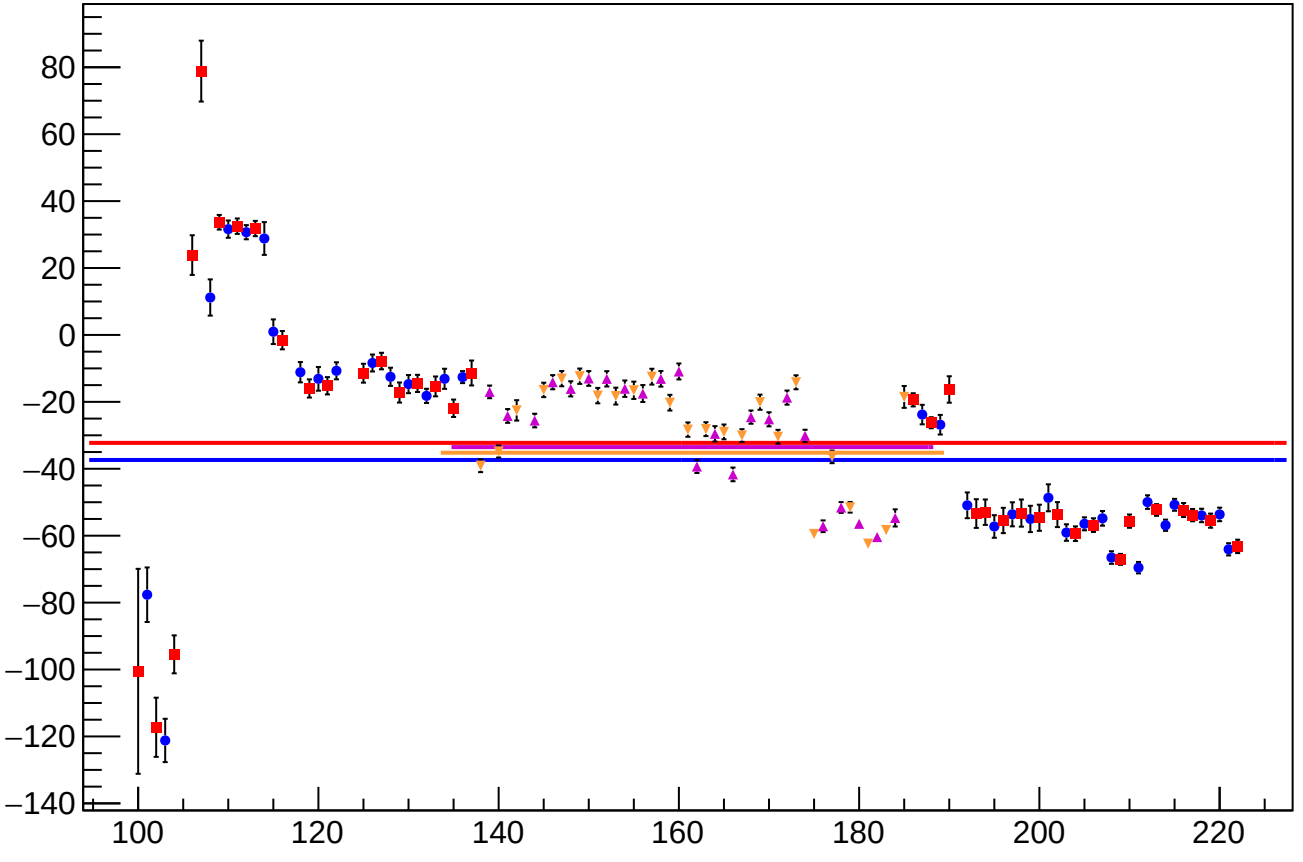
Right: 20.839+/-0.023 χ^2/NDF: 1050945.5/69

In: 4.753+/-0.015 χ^2/NDF:852722.7/56

Out: 4.643+/-0.015 χ^2/NDF:1018918.6/59

All: 4.698+/-0.011 χ^2/NDF: 1871666.8/116

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: -32.260+/-0.428 χ^2/NDF: 5319.1/35

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

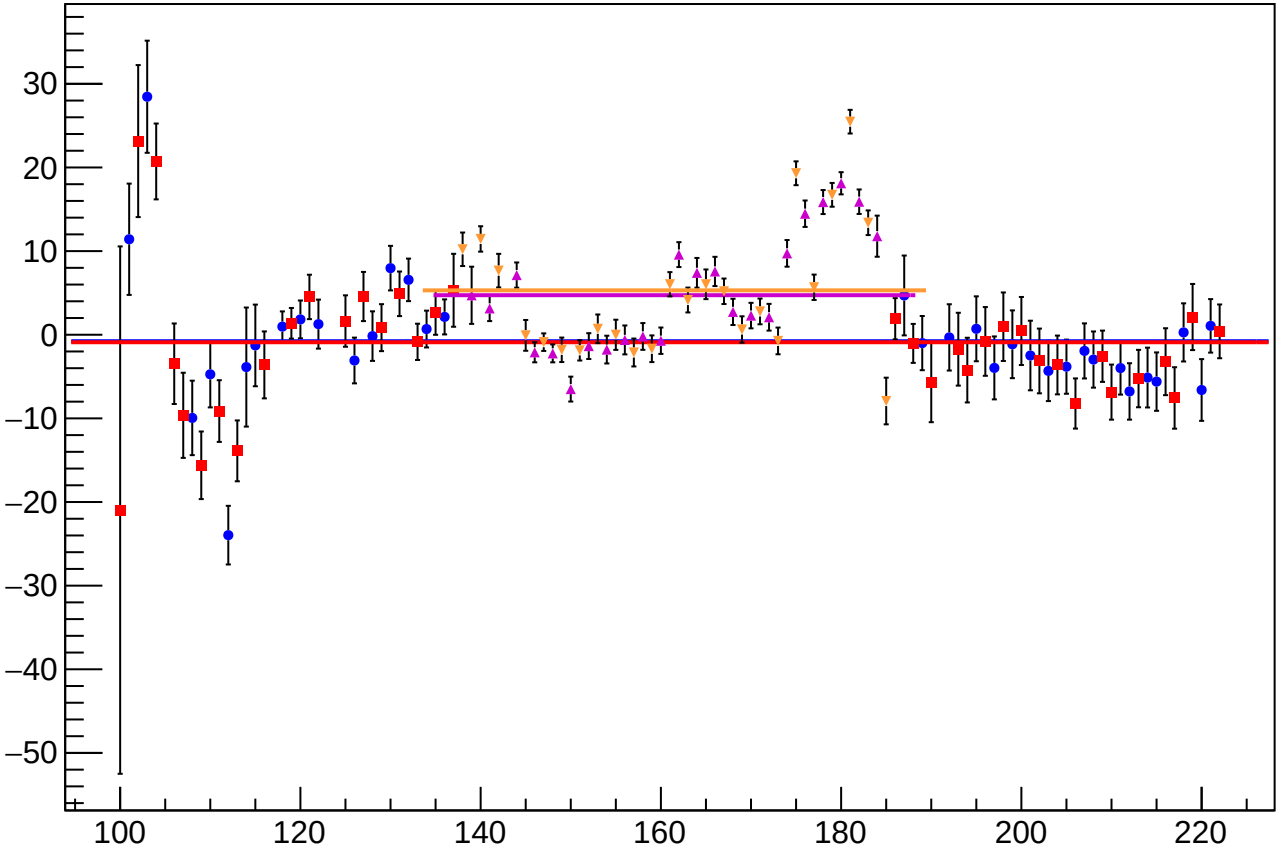
Right: -34.833+/-0.302 χ^2/NDF: 10089.9/69

In: -35.396+/-0.297 χ^2/NDF:6547.2/56

Out: -33.801+/-0.295 χ^2/NDF:7194.6/59

All: -34.596+/-0.209 χ^2/NDF: 13756.2/116

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: -0.897+/-0.552 χ^2/NDF: 103.4/35

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

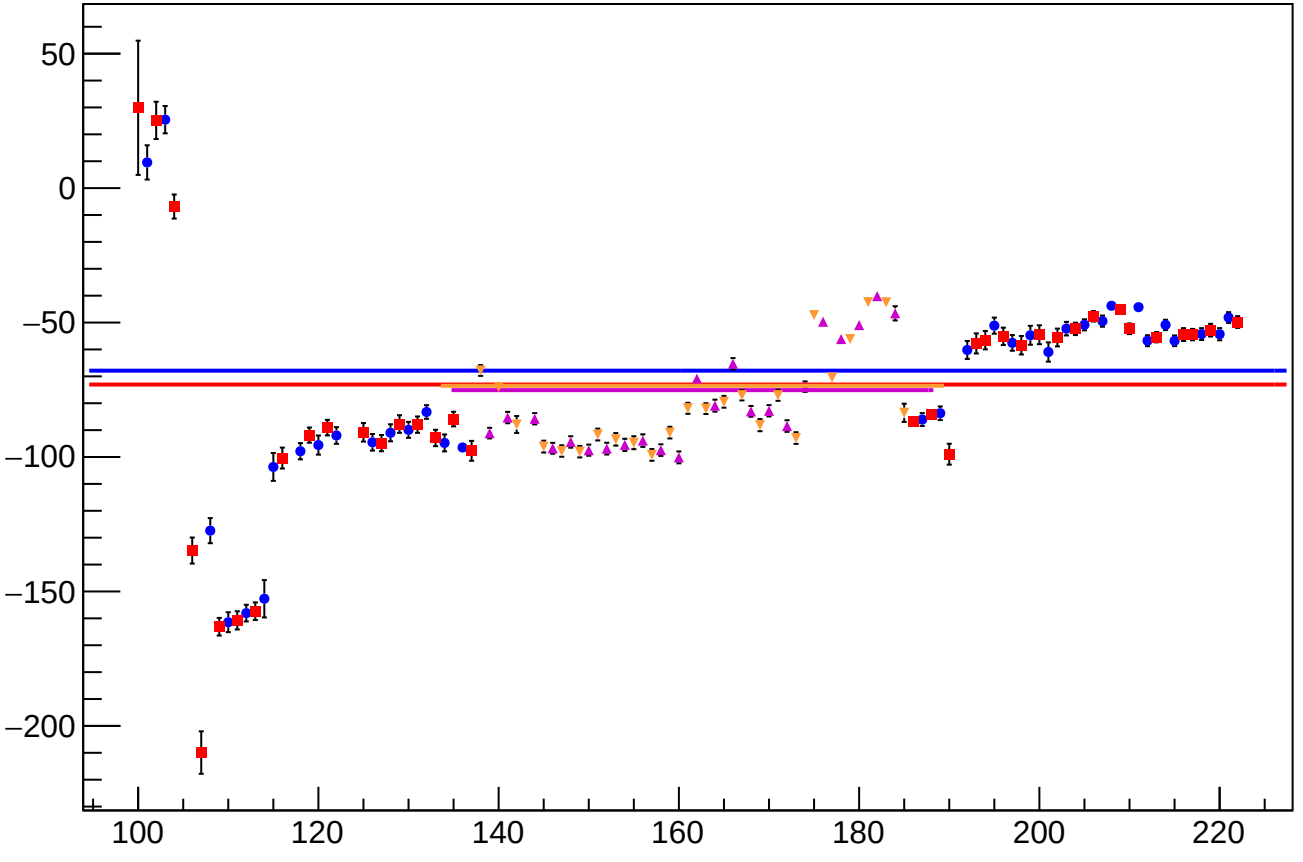
Right: -0.836+/-0.389 χ^2/NDF: 215.2/69

In: 3.328+/-0.277 χ^2/NDF:682.3/56

Out: 3.781+/-0.273 χ^2/NDF:823.2/59

All: 3.558+/-0.195 χ^2/NDF: 1506.9/116

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: -73.041+/-0.443 χ^2/NDF: 4731.0/35

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

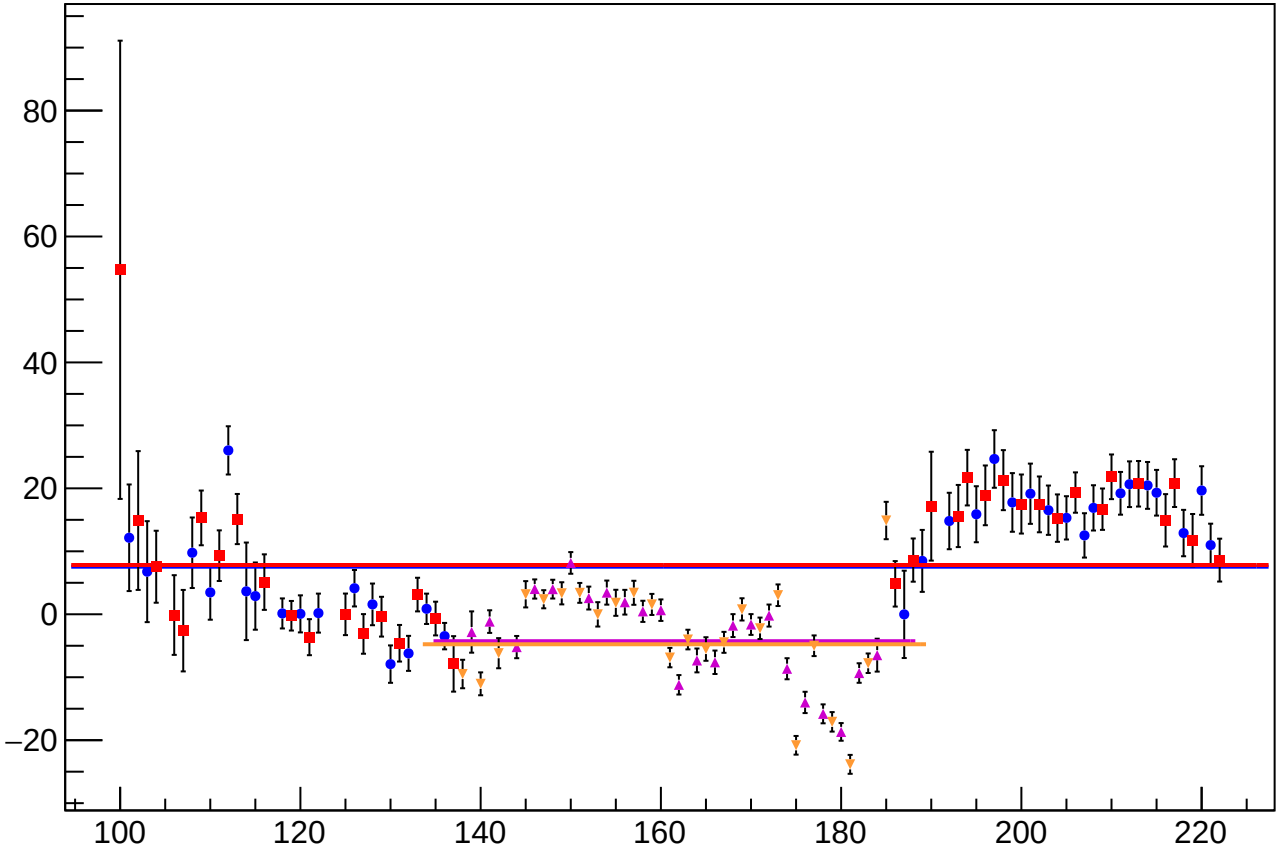
Right: -70.492+/-0.315 χ^2/NDF: 8901.4/69

In: -71.829+/-0.302 χ^2/NDF:6607.8/56

Out: -73.294+/-0.299 χ^2/NDF:7123.5/59

All: -72.570+/-0.213 χ^2/NDF: 13743.2/116

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: 7.825+/-0.632 χ^2/NDF: 214.2/35

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

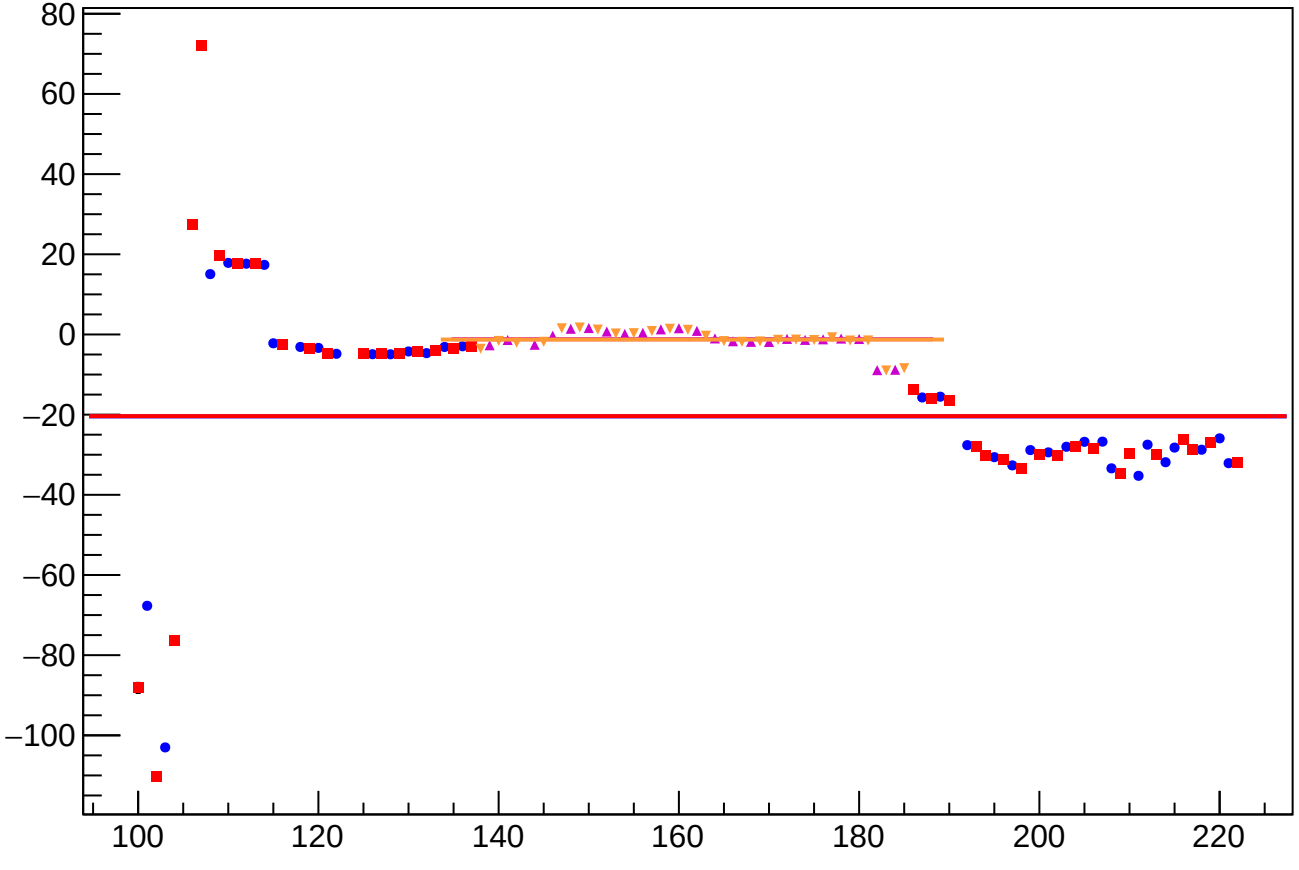
Right: 7.689+/-0.441 χ^2/NDF: 464.8/69

In: -1.259+/-0.312 χ^2/NDF:949.0/56

Out: -1.746+/-0.309 χ^2/NDF:1092.8/59

All: -1.504+/-0.220 χ^2/NDF: 2043.0/116

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.437+/-0.030 χ^2/NDF: 401986.8/33

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -20.375+/-0.031 χ^2/NDF: 487413.2/35

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

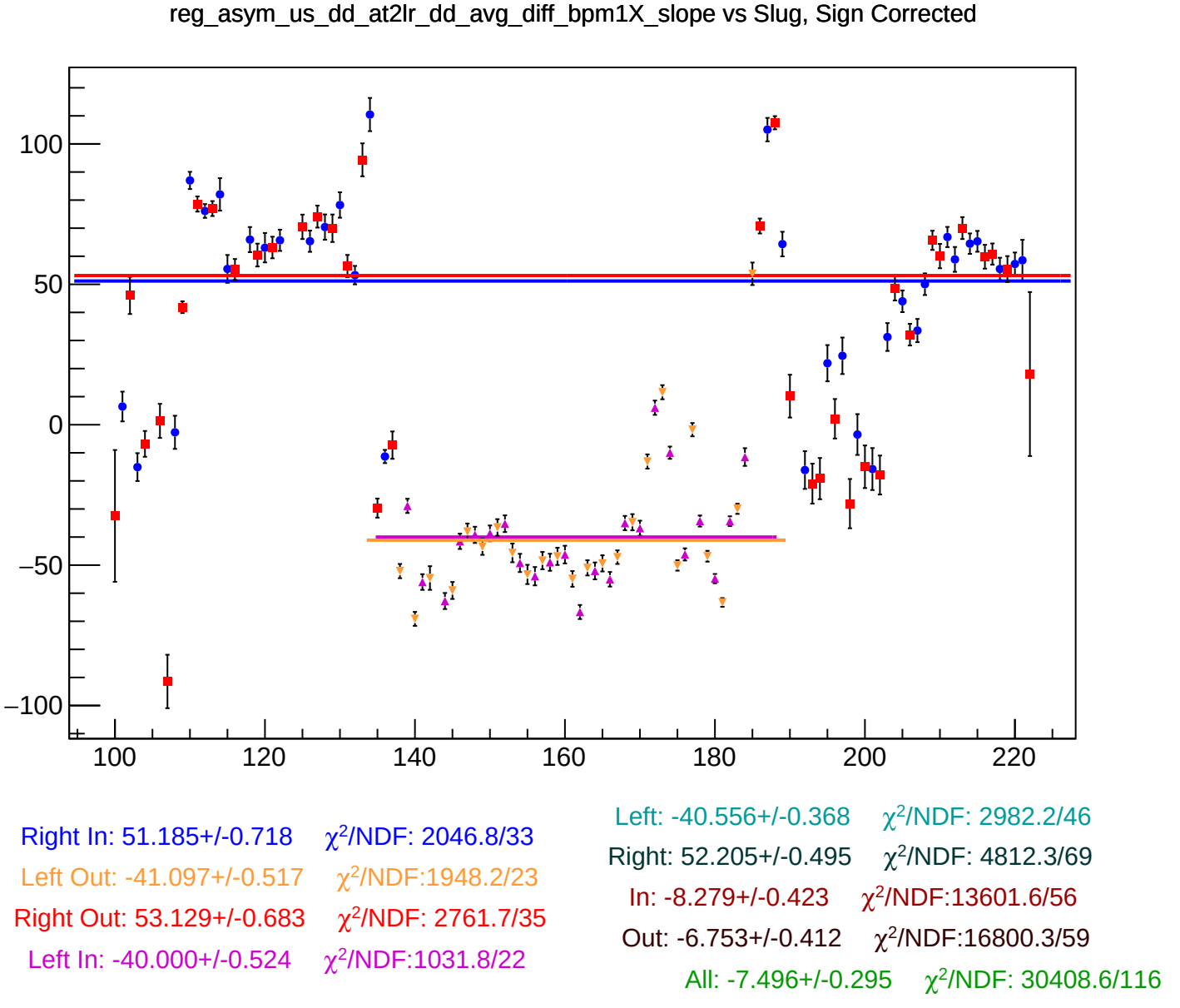
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -20.407+/-0.022 χ^2/NDF: 889402.0/69

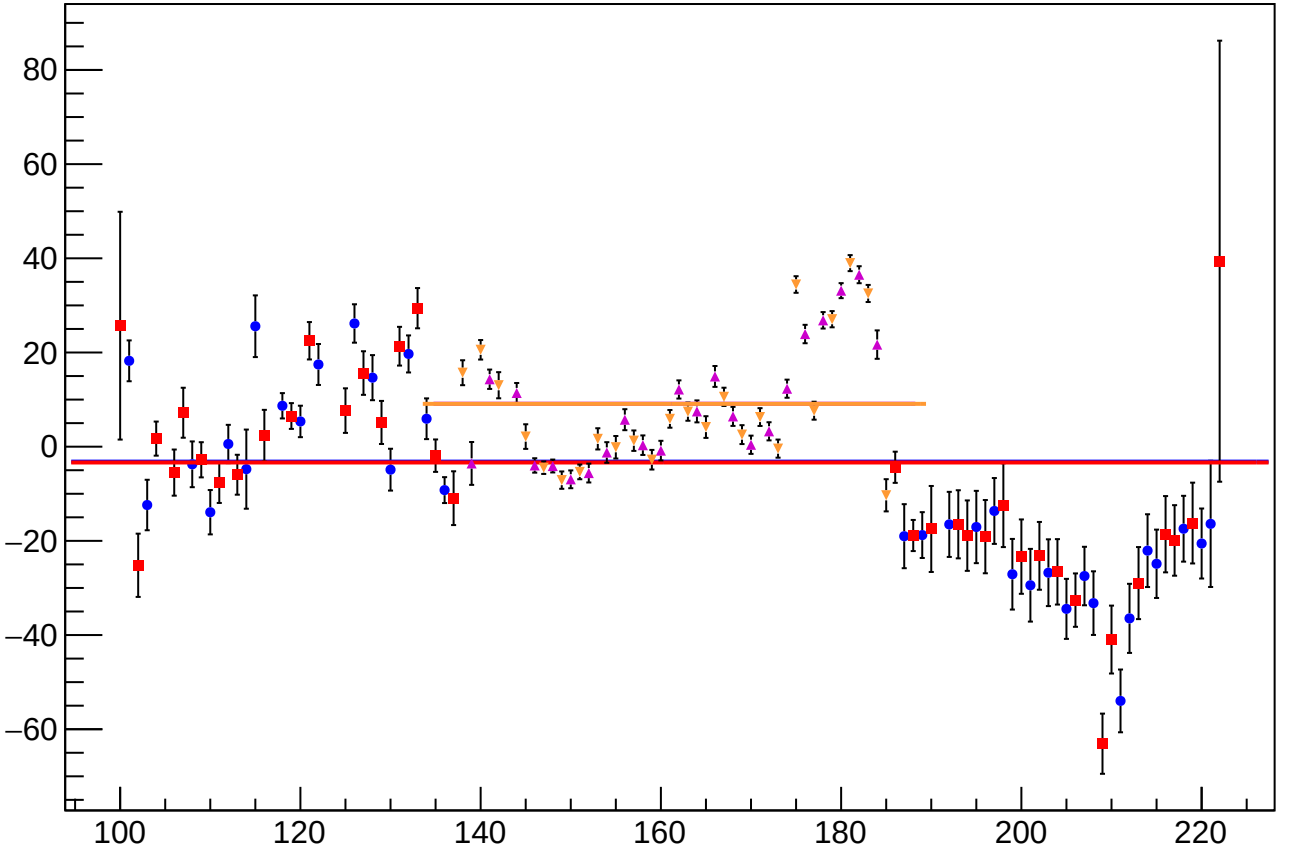
In: -5.377+/-0.014 χ^2/NDF:744303.1/56

Out: -5.195+/-0.014 χ^2/NDF:810727.4/59

All: -5.286+/-0.010 χ^2/NDF: 1555113.9/116


reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 51.185+/-0.718 χ²/NDF: 2046.8/33
Left Out: -41.097+/-0.517 χ²/NDF:1948.2/23
Right Out: 53.129+/-0.683 χ²/NDF: 2761.7/35
Left In: -40.000+/-0.524 χ²/NDF:1031.8/22
Left: -40.556+/-0.368 χ²/NDF: 2982.2/46
Right: 52.205+/-0.495 χ²/NDF: 4812.3/69
In: -8.279+/-0.423 χ²/NDF:13601.6/56
Out: -6.753+/-0.412 χ²/NDF:16800.3/59
All: -7.496+/-0.295 χ²/NDF: 30408.6/116

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.170+/-0.867 χ^2/NDF: 431.1/33

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.357+/-0.841 χ^2/NDF: 424.7/35

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

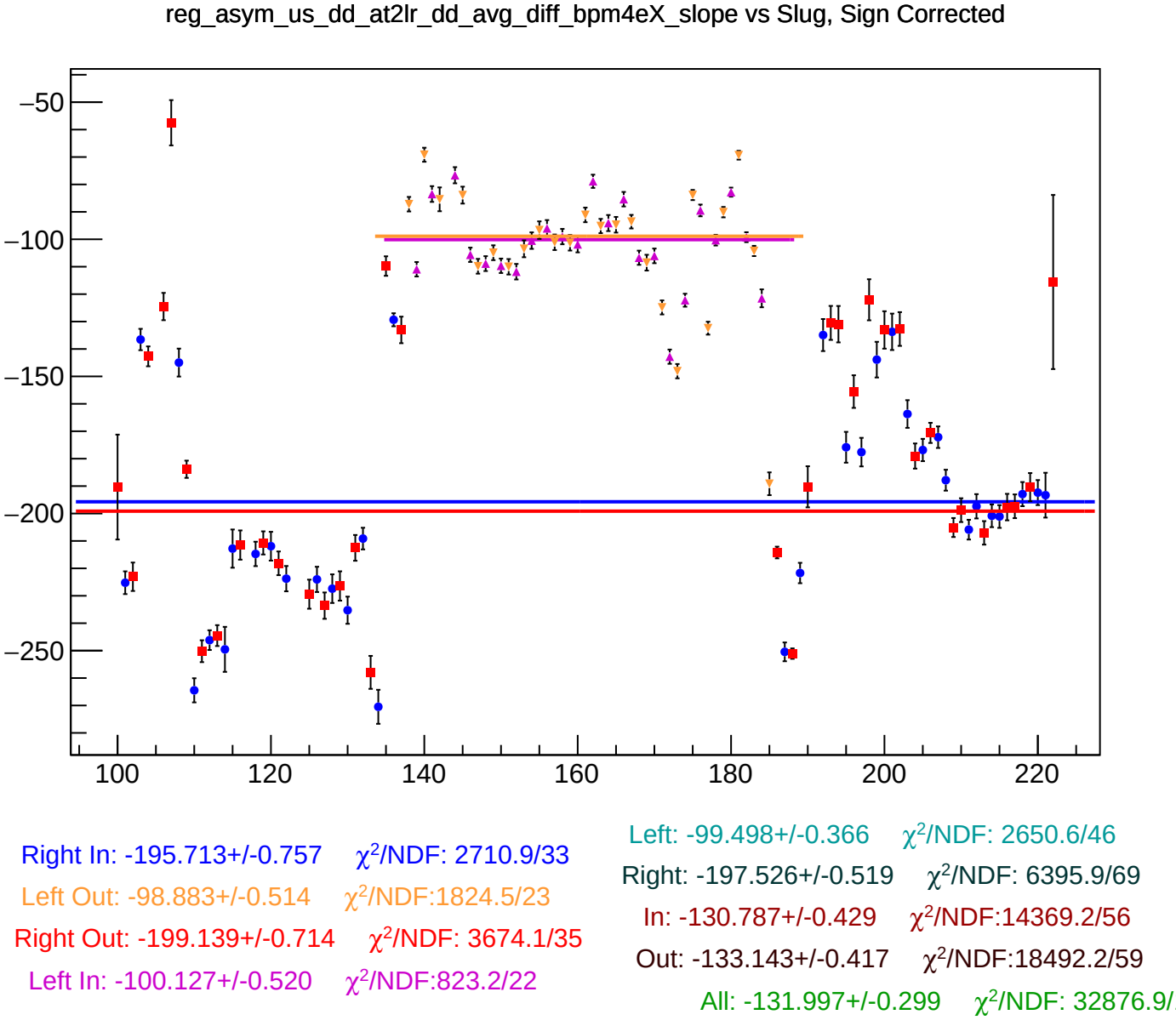
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

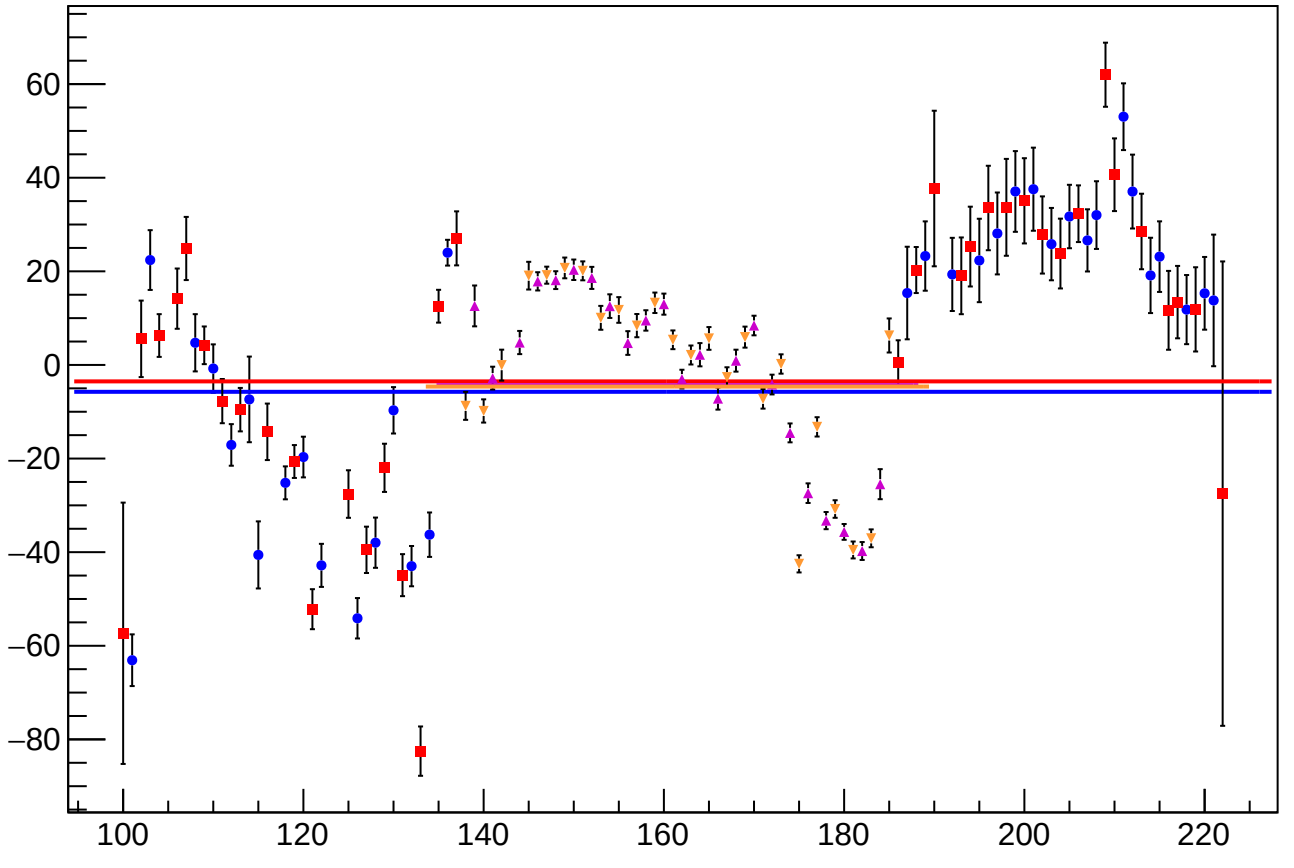
Right: -3.266+/-0.604 χ^2/NDF: 855.8/69

In: 6.886+/-0.370 χ^2/NDF:1647.1/56

Out: 6.787+/-0.362 χ^2/NDF:1856.8/59

All: 6.836+/-0.259 χ^2/NDF: 3504.0/116


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -195.713+/-0.757 χ²/NDF: 2710.9/33
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -199.139+/-0.714 χ²/NDF: 3674.1/35
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -197.526+/-0.519 χ²/NDF: 6395.9/69
In: -130.787+/-0.429 χ²/NDF:14369.2/56
Out: -133.143+/-0.417 χ²/NDF:18492.2/59
All: -131.997+/-0.299 χ²/NDF: 32876.9/116



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: -3.513+/-0.977 χ^2/NDF: 955.1/35

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

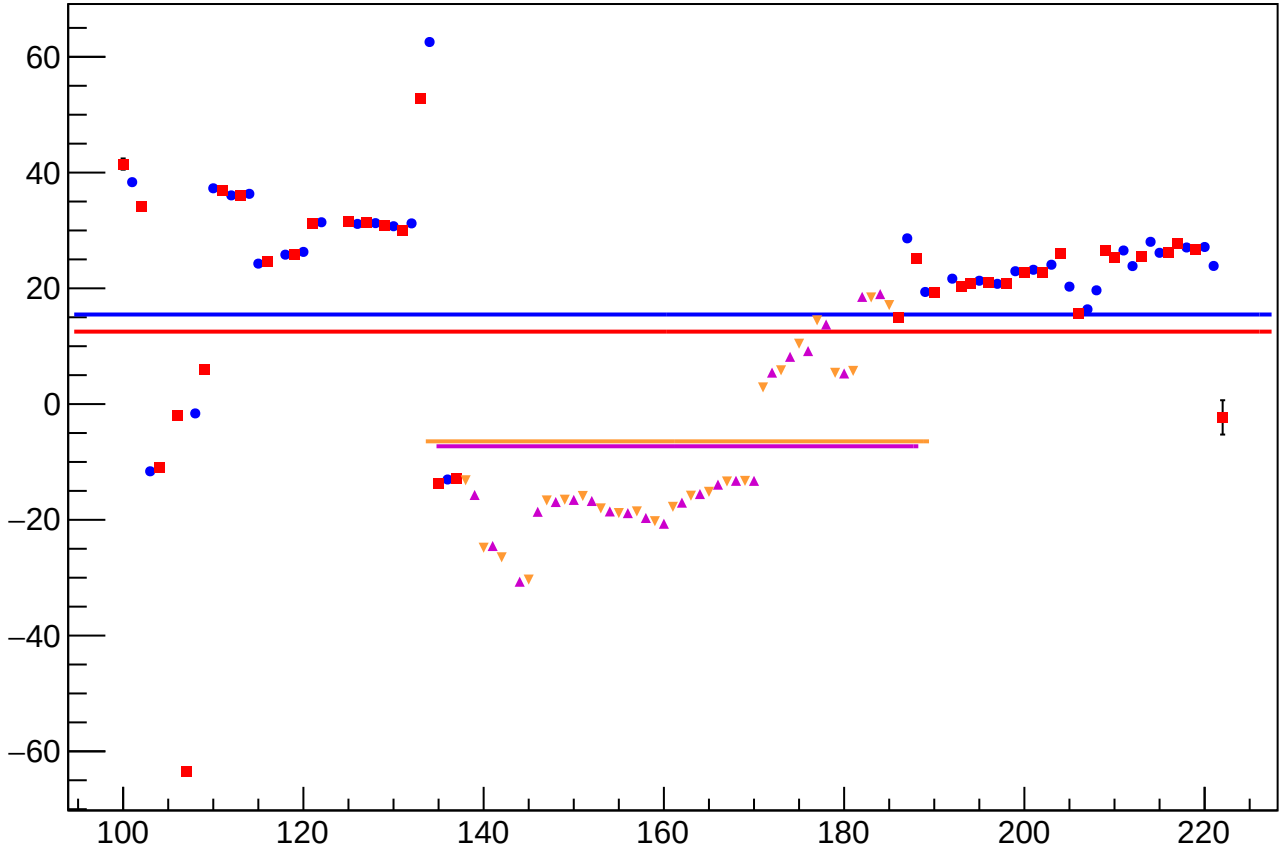
Right: -4.618+/-0.694 χ^2/NDF: 1958.0/69

In: -4.580+/-0.416 χ^2/NDF:2856.2/56

Out: -4.424+/-0.410 χ^2/NDF:3034.4/59

All: -4.501+/-0.292 χ^2/NDF: 5890.7/116

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 12.519+/-0.048 χ^2/NDF: 185428.4/35

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

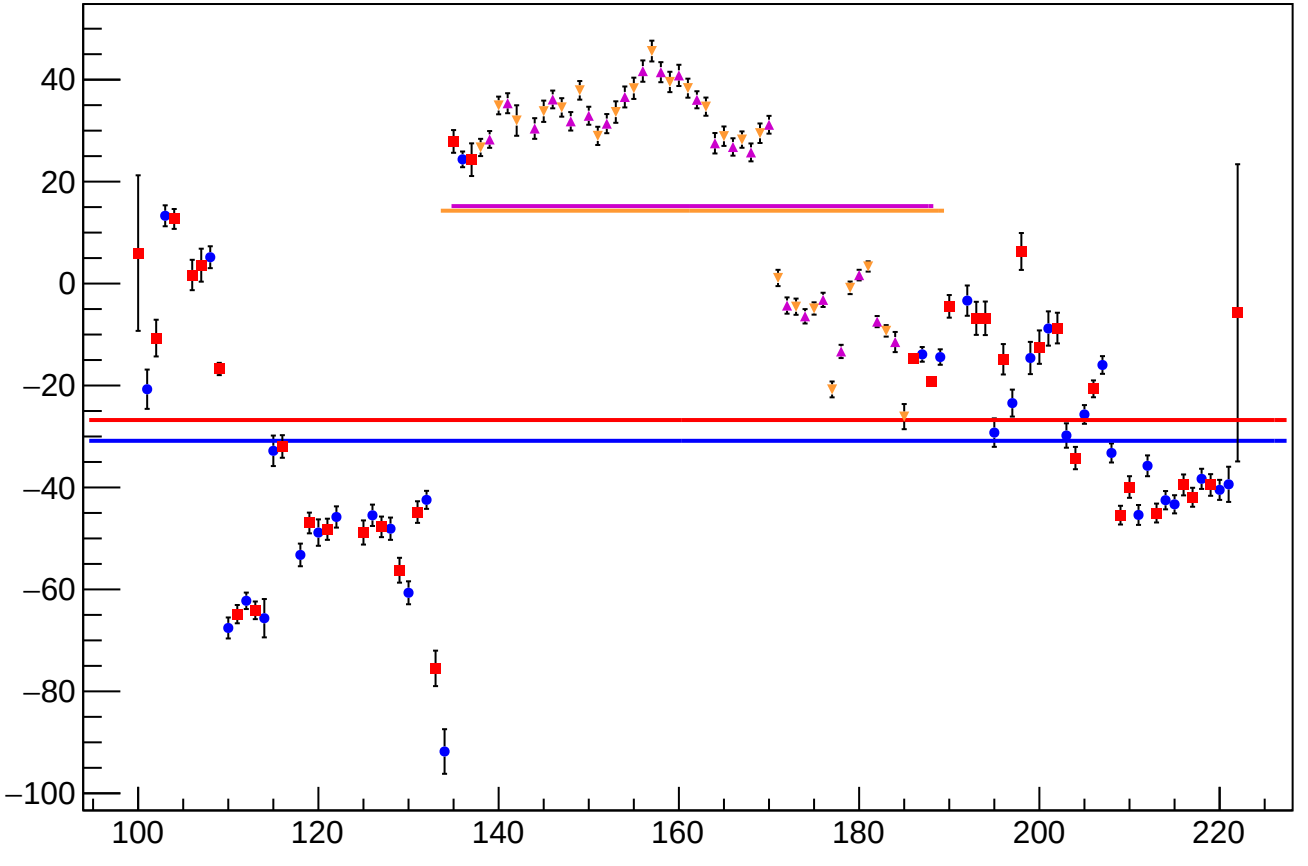
Right: 14.001+/-0.034 χ^2/NDF: 367889.7/69

In: -3.874+/-0.019 χ^2/NDF:857708.6/56

Out: -3.626+/-0.019 χ^2/NDF:812824.5/59

All: -3.749+/-0.013 χ^2/NDF: 1670621.0/116

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: -26.772+/-0.329 χ^2/NDF: 4255.2/35

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

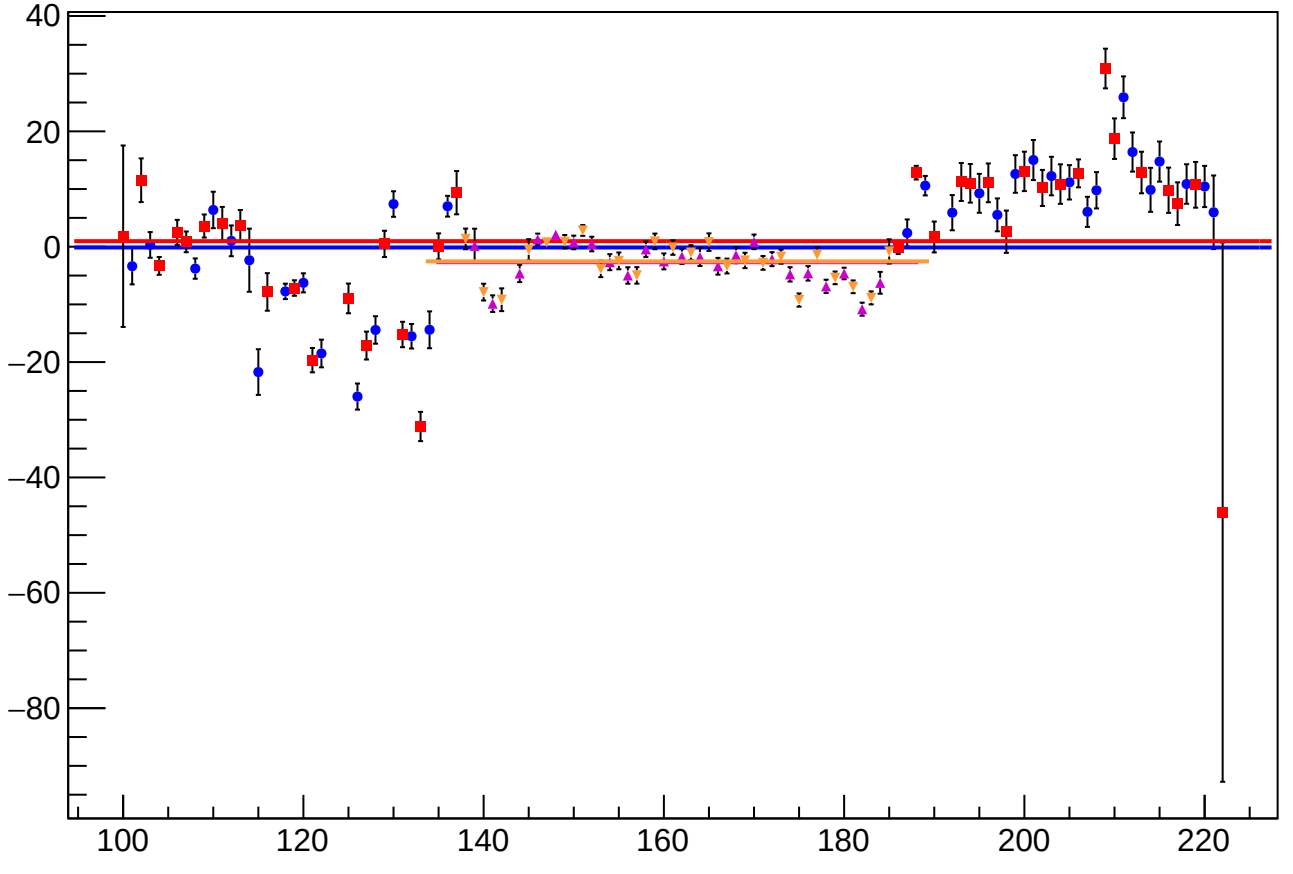
Right: -28.619+/-0.244 χ^2/NDF: 8563.2/69

In: -6.353+/-0.248 χ^2/NDF:16256.4/56

Out: -6.596+/-0.235 χ^2/NDF:15617.2/59

All: -6.481+/-0.170 χ^2/NDF: 31874.1/116

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: 0.965+/-0.396 χ^2/NDF: 759.3/35

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

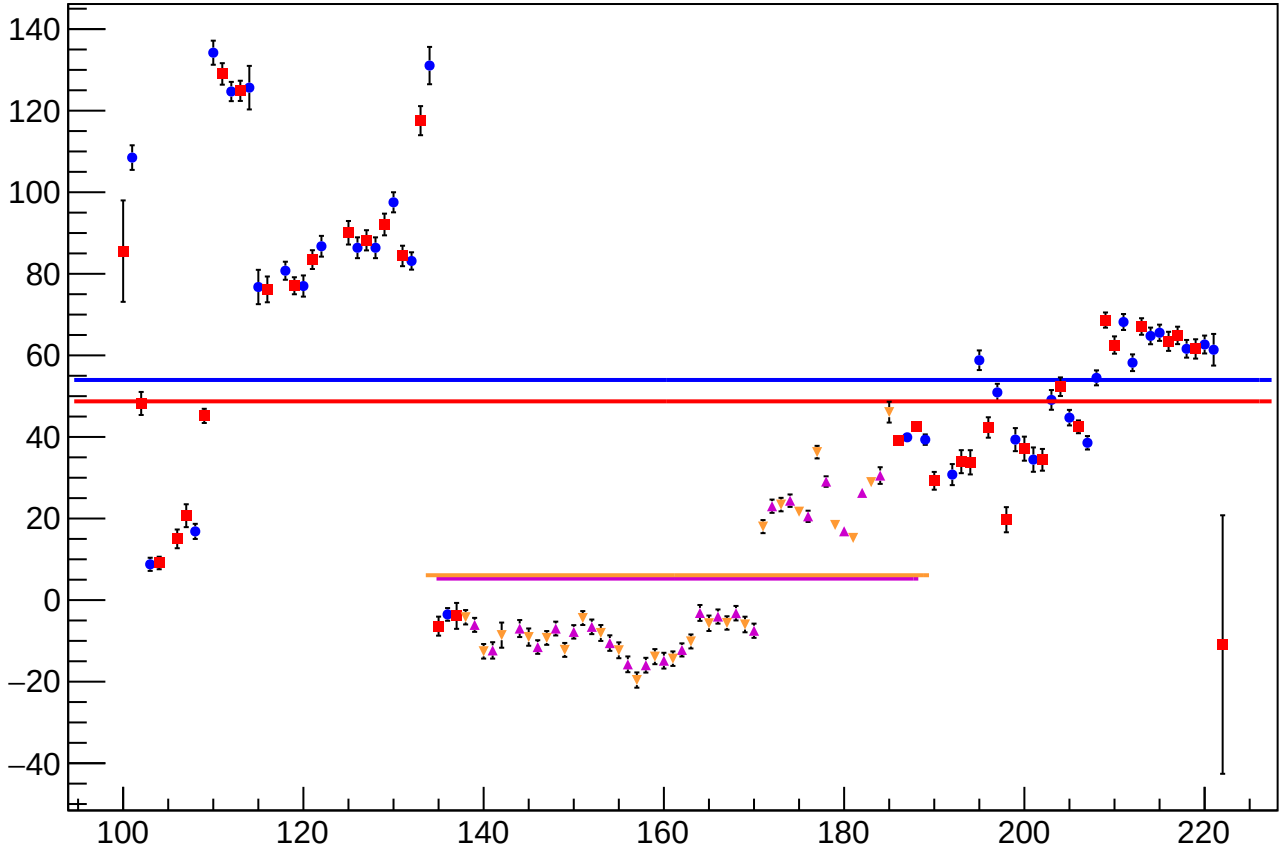
Right: 0.470+/-0.293 χ^2/NDF: 1429.2/69

In: -1.996+/-0.226 χ^2/NDF:873.3/56

Out: -1.489+/-0.217 χ^2/NDF:1012.5/59

All: -1.731+/-0.157 χ^2/NDF: 1888.5/116

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: 48.728+/-0.319 χ^2/NDF: 6383.8/35

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

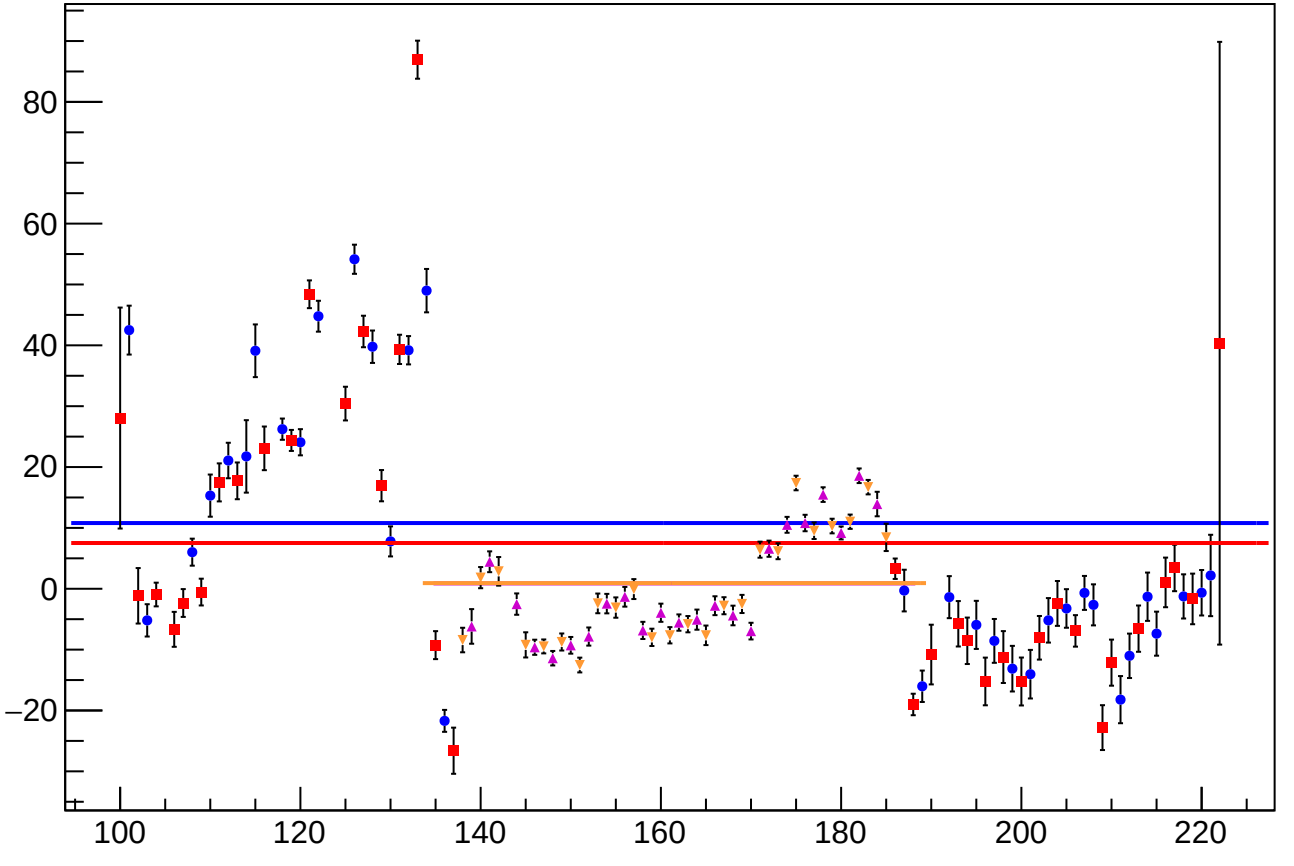
Right: 51.003+/-0.240 χ^2/NDF: 13415.3/69

In: 27.675+/-0.247 χ^2/NDF:19000.5/56

Out: 28.307+/-0.230 χ^2/NDF:17704.4/59

All: 28.013+/-0.169 χ^2/NDF: 36708.5/116

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.799+/-0.508 χ^2/NDF: 1973.2/33

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 7.519+/-0.479 χ^2/NDF: 2291.3/35

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

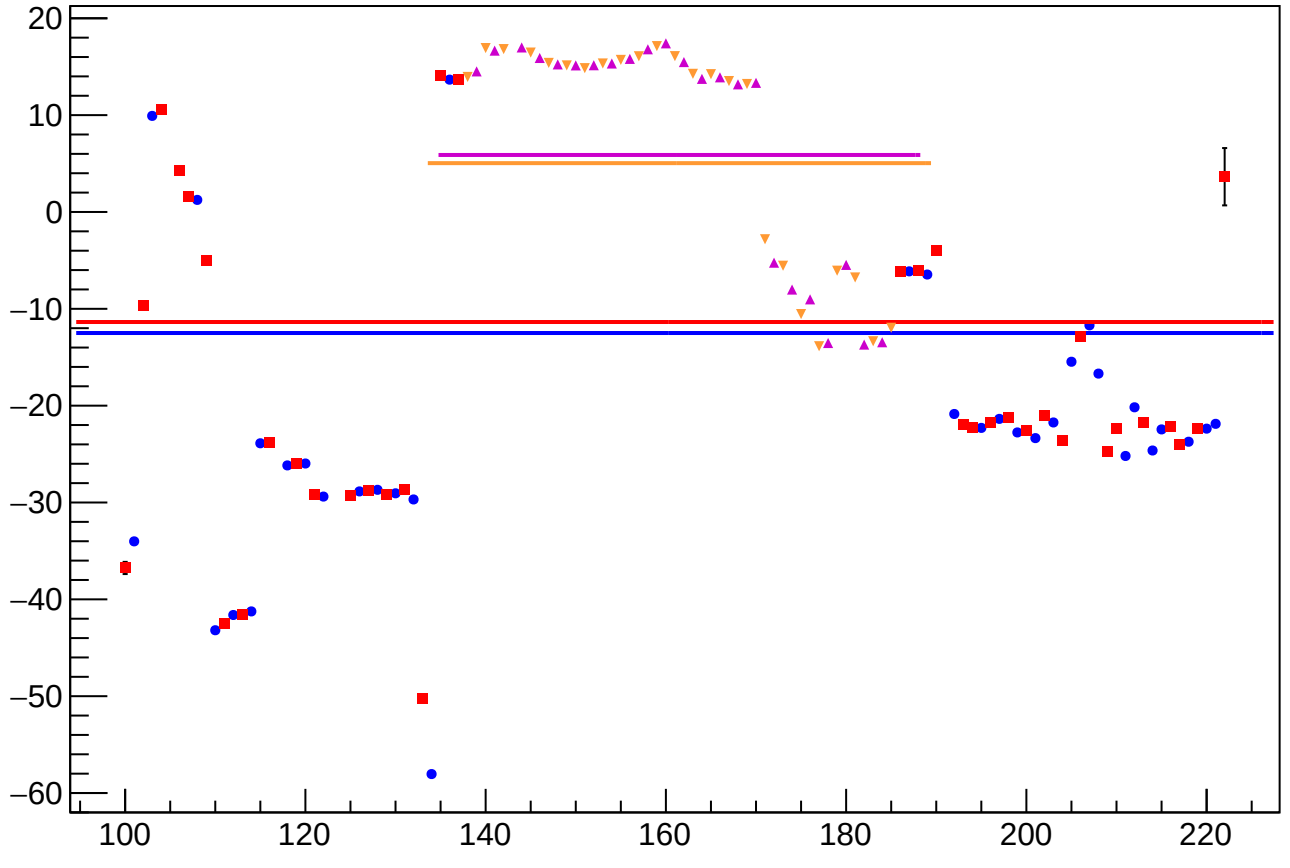
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 9.062+/-0.348 χ^2/NDF: 4286.6/69

In: 3.409+/-0.257 χ^2/NDF:3263.4/56

Out: 2.713+/-0.249 χ^2/NDF:3471.1/59

All: 3.051+/-0.179 χ^2/NDF: 6738.3/116



Right In: -12.499+/-0.024 χ^2/NDF: 509563.4/33

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -11.362+/-0.023 χ^2/NDF: 429531.9/35

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

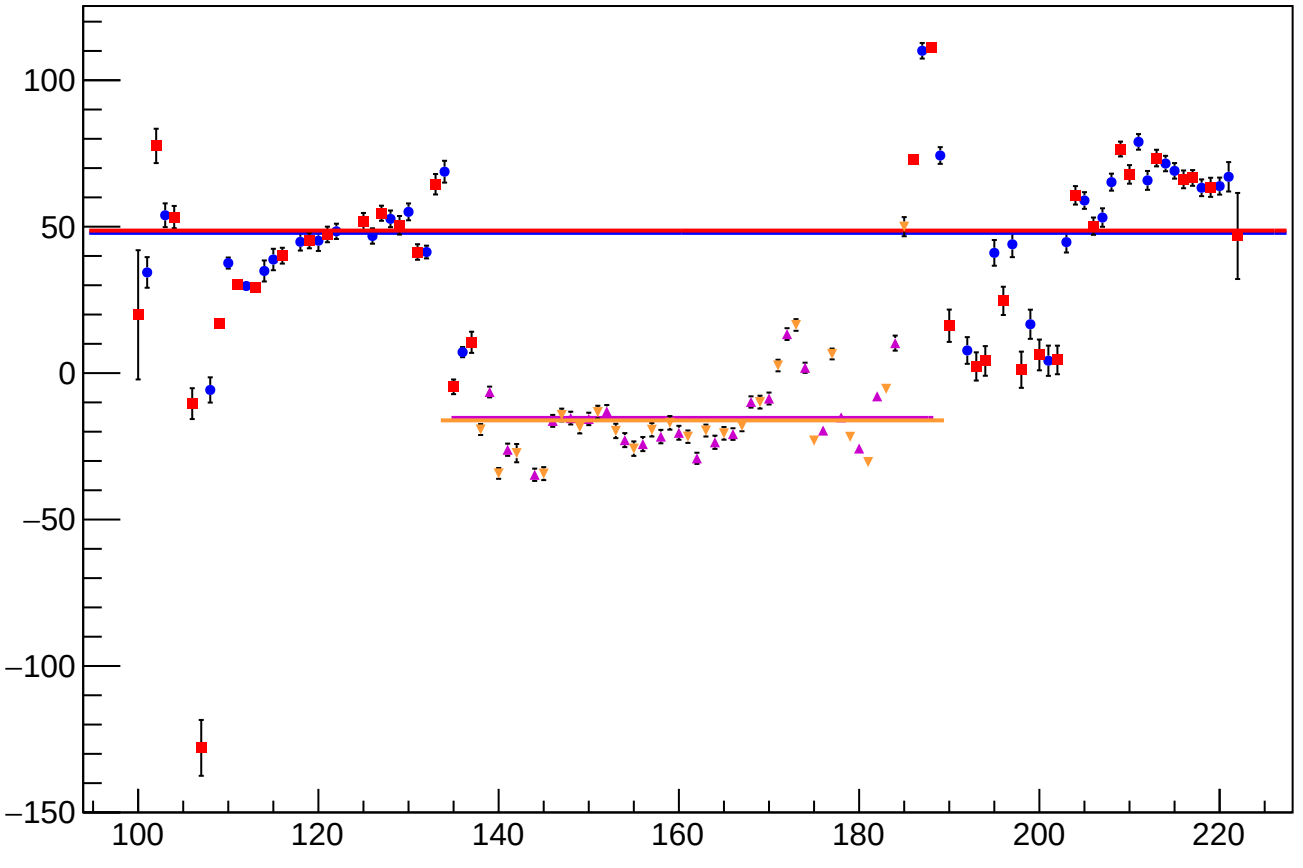
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.920+/-0.017 χ^2/NDF: 940276.8/69

In: 1.528+/-0.011 χ^2/NDF:1819411.8/56

Out: 1.087+/-0.011 χ^2/NDF:1665386.7/59

All: 1.306+/-0.008 χ^2/NDF: 3485544.7/116



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: 48.666+/-0.472 χ^2/NDF: 4487.5/35

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

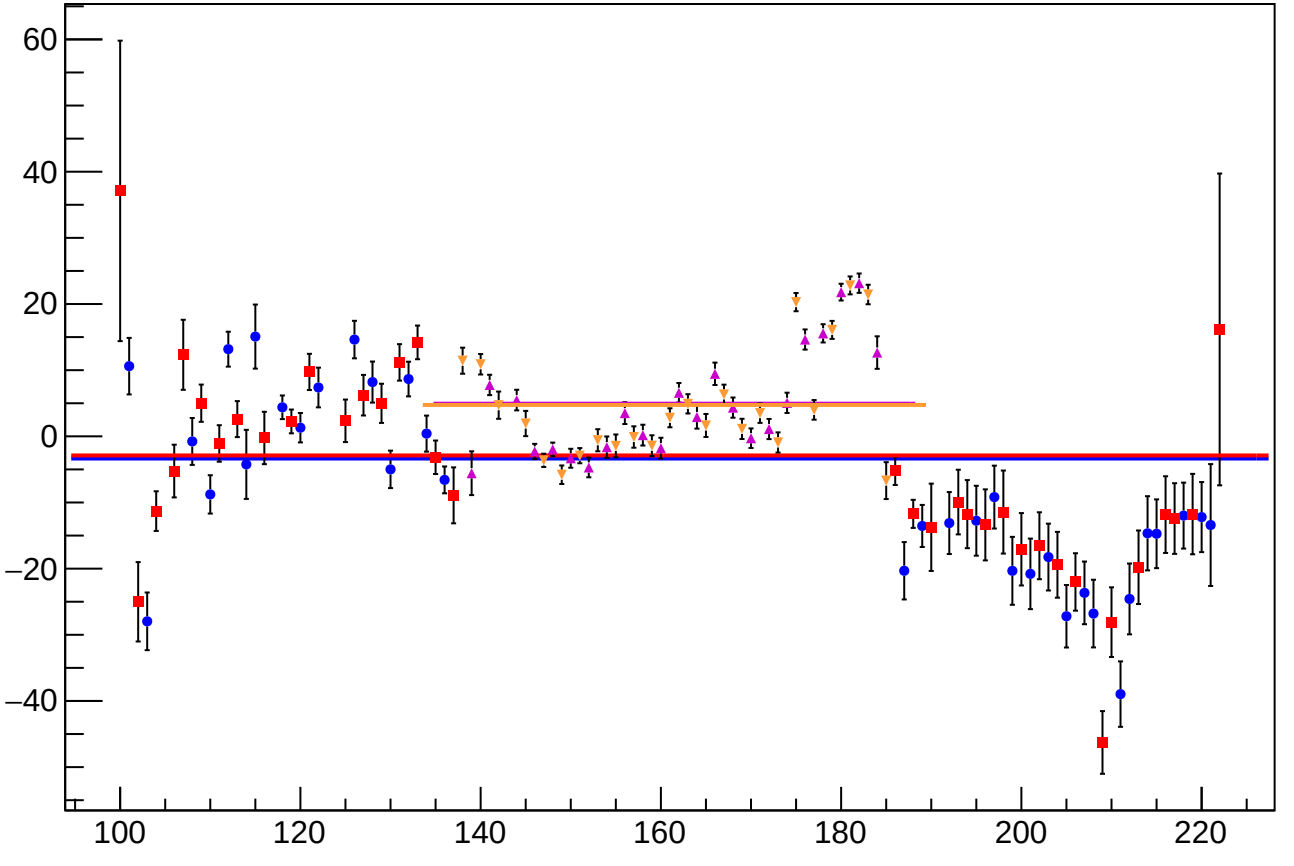
Right: 48.298+/-0.342 χ^2/NDF: 6692.8/69

In: 9.747+/-0.313 χ^2/NDF:12696.8/56

Out: 10.812+/-0.304 χ^2/NDF:16879.6/59

All: 10.295+/-0.218 χ^2/NDF: 29582.4/116

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: -2.890+/-0.584 χ^2/NDF: 368.0/35

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

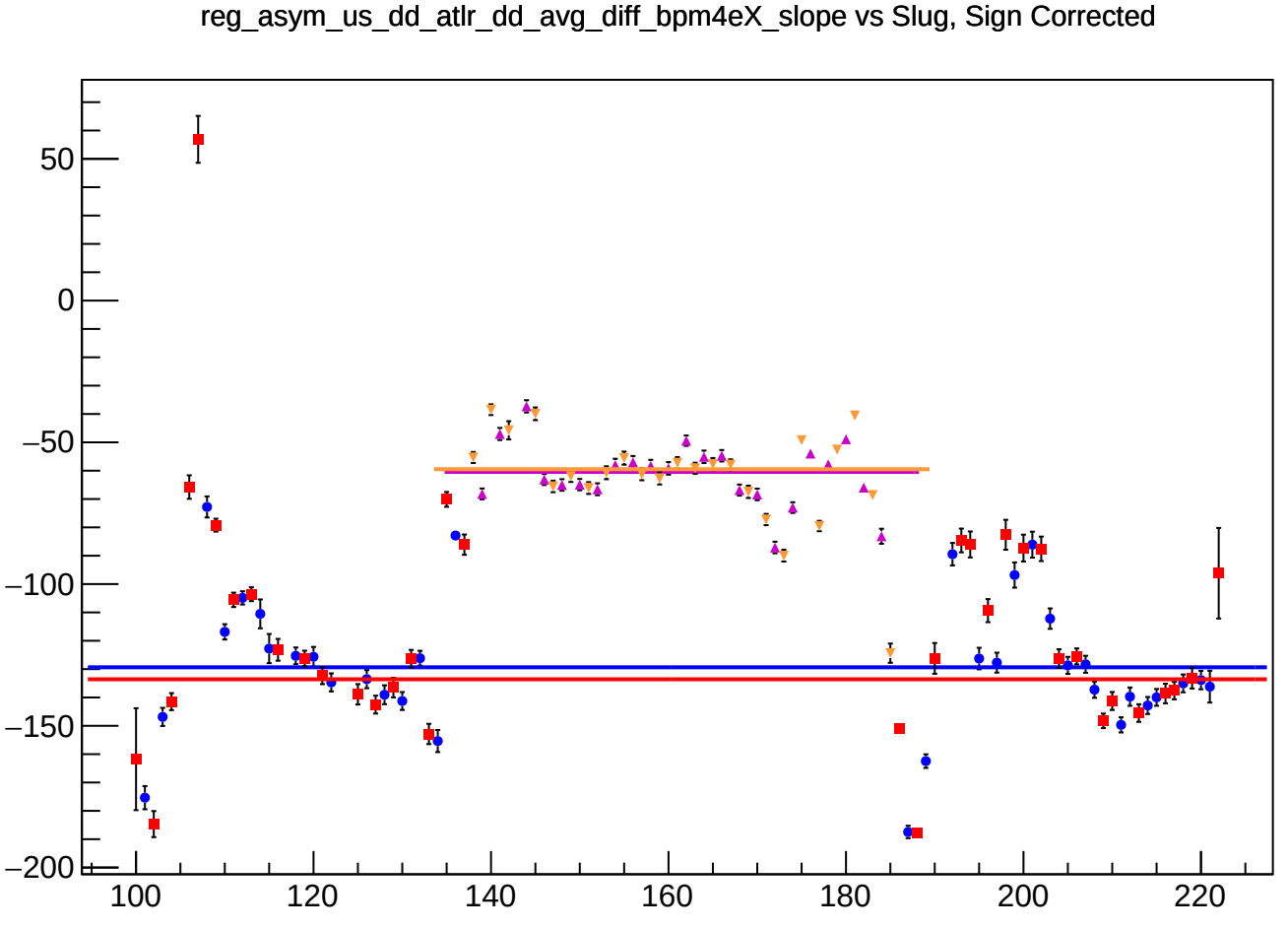
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -3.116+/-0.418 χ^2/NDF: 797.7/69

In: 3.160+/-0.277 χ^2/NDF:1267.9/56

Out: 3.094+/-0.271 χ^2/NDF:1295.9/59

All: 3.126+/-0.194 χ^2/NDF: 2563.9/116



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: -133.584+/-0.493 χ^2/NDF: 5394.6/35

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

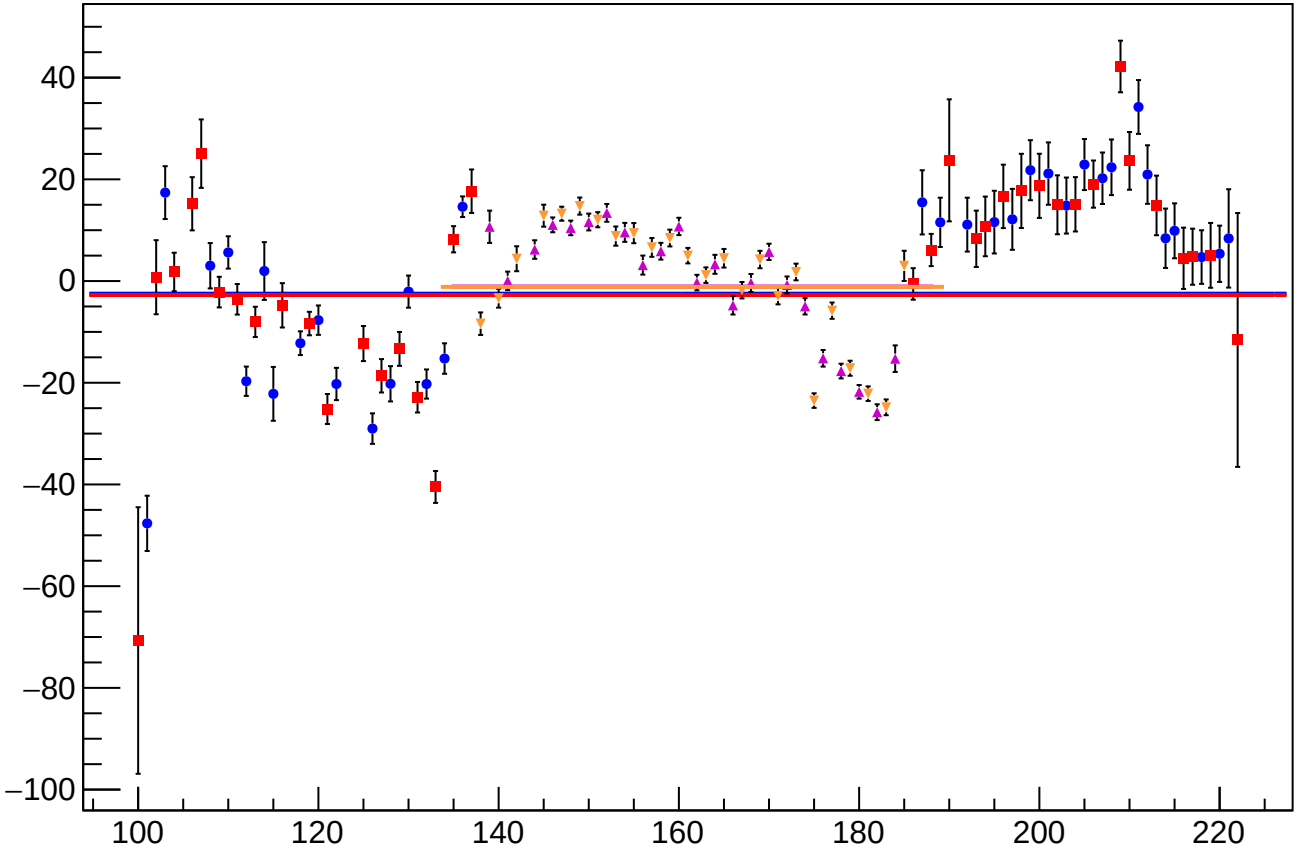
Right: -131.626+/-0.361 χ^2/NDF: 8020.4/69

In: -85.351+/-0.319 χ^2/NDF:14019.5/56

Out: -88.413+/-0.308 χ^2/NDF:20513.8/59

All: -86.935+/-0.222 χ^2/NDF: 34580.9/116

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: -2.747+/-0.680 χ^2/NDF: 584.1/35

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

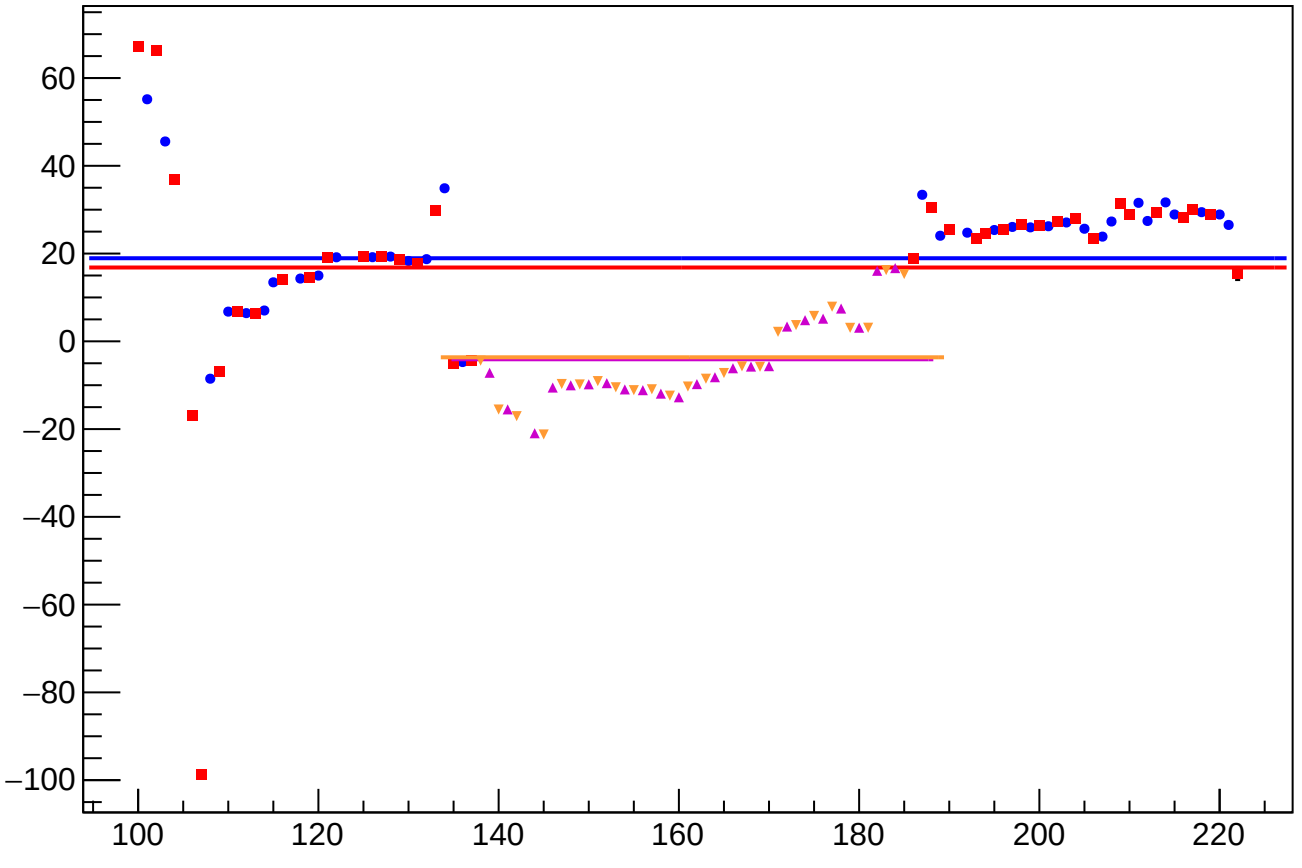
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.617+/-0.482 χ^2/NDF: 1230.4/69

In: -1.377+/-0.313 χ^2/NDF:1807.0/56

Out: -1.473+/-0.308 χ^2/NDF:1891.5/59

All: -1.426+/-0.219 χ^2/NDF: 3698.5/116



Right In: 18.936+/-0.035 χ^2/NDF: 221136.6/33

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.823+/-0.035 χ^2/NDF: 355844.0/35

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

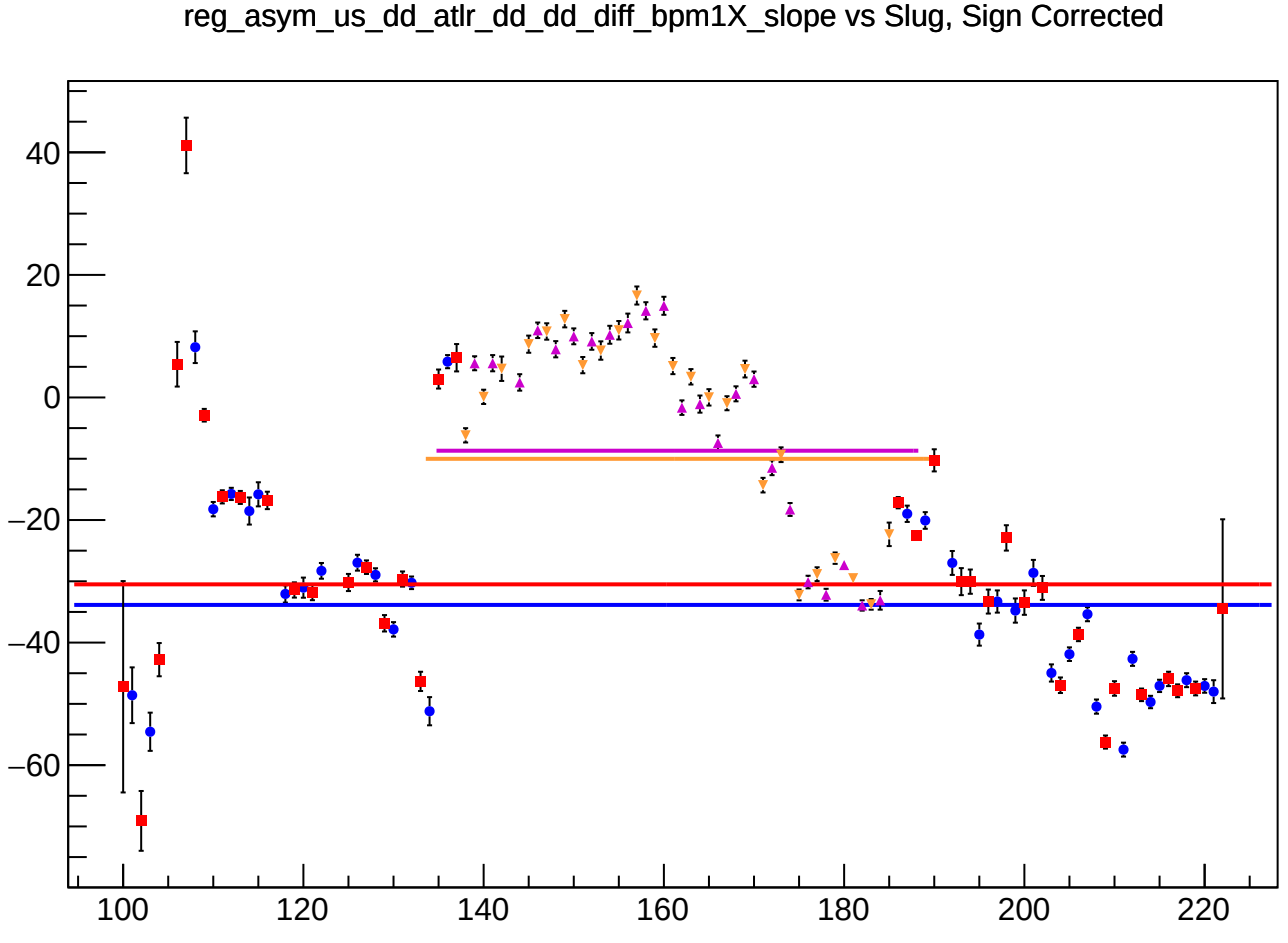
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.896+/-0.025 χ^2/NDF: 578819.6/69

In: -0.221+/-0.014 χ^2/NDF:923877.8/56

Out: -0.318+/-0.014 χ^2/NDF:986329.3/59

All: -0.270+/-0.010 χ^2/NDF: 1910230.6/116



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: 4908.9/35

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

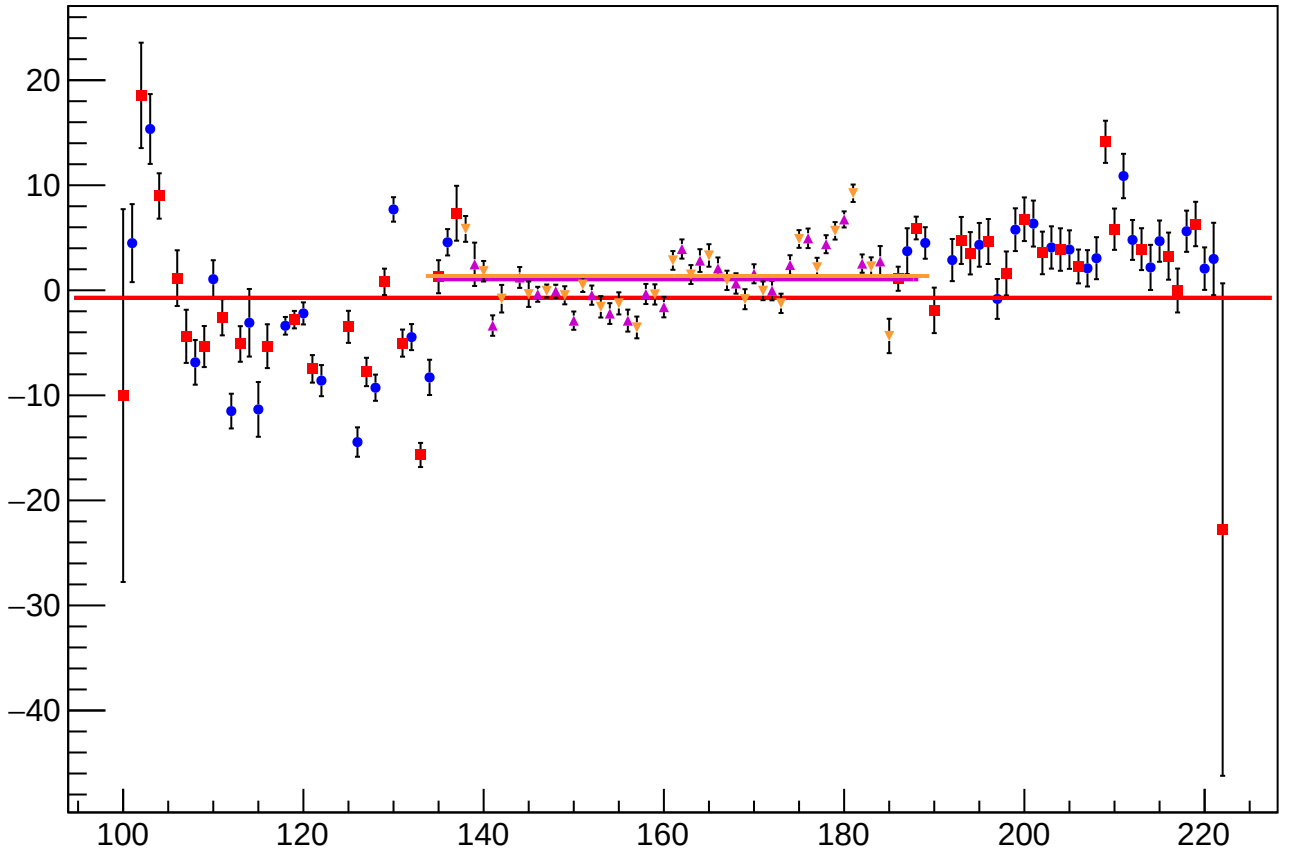
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -32.150+/-0.162 χ^2/NDF: 9291.7/69

In: -22.161+/-0.169 χ^2/NDF:14823.9/56

Out: -20.988+/-0.166 χ^2/NDF:13652.3/59

All: -21.566+/-0.119 χ^2/NDF: 28500.7/116



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: -0.728+/-0.283 χ^2/NDF: 483.2/35

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

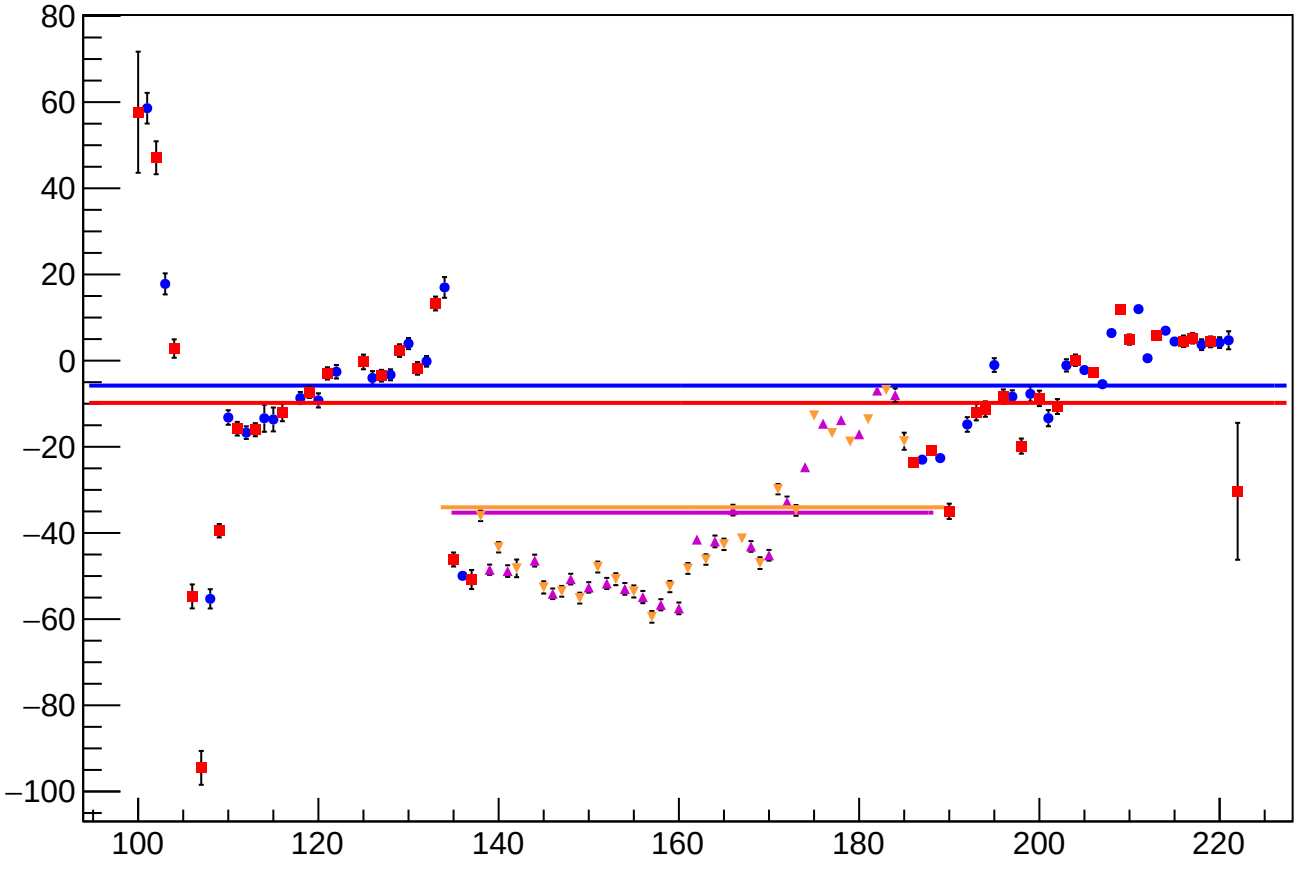
Right: -0.720+/-0.201 χ^2/NDF: 986.0/69

In: 0.497+/-0.160 χ^2/NDF:724.6/56

Out: 0.719+/-0.157 χ^2/NDF:761.4/59

All: 0.610+/-0.112 χ^2/NDF: 1487.0/116

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.792+/-0.244 χ^2/NDF: 4121.5/33

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -9.806+/-0.234 χ^2/NDF: 4776.6/35

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

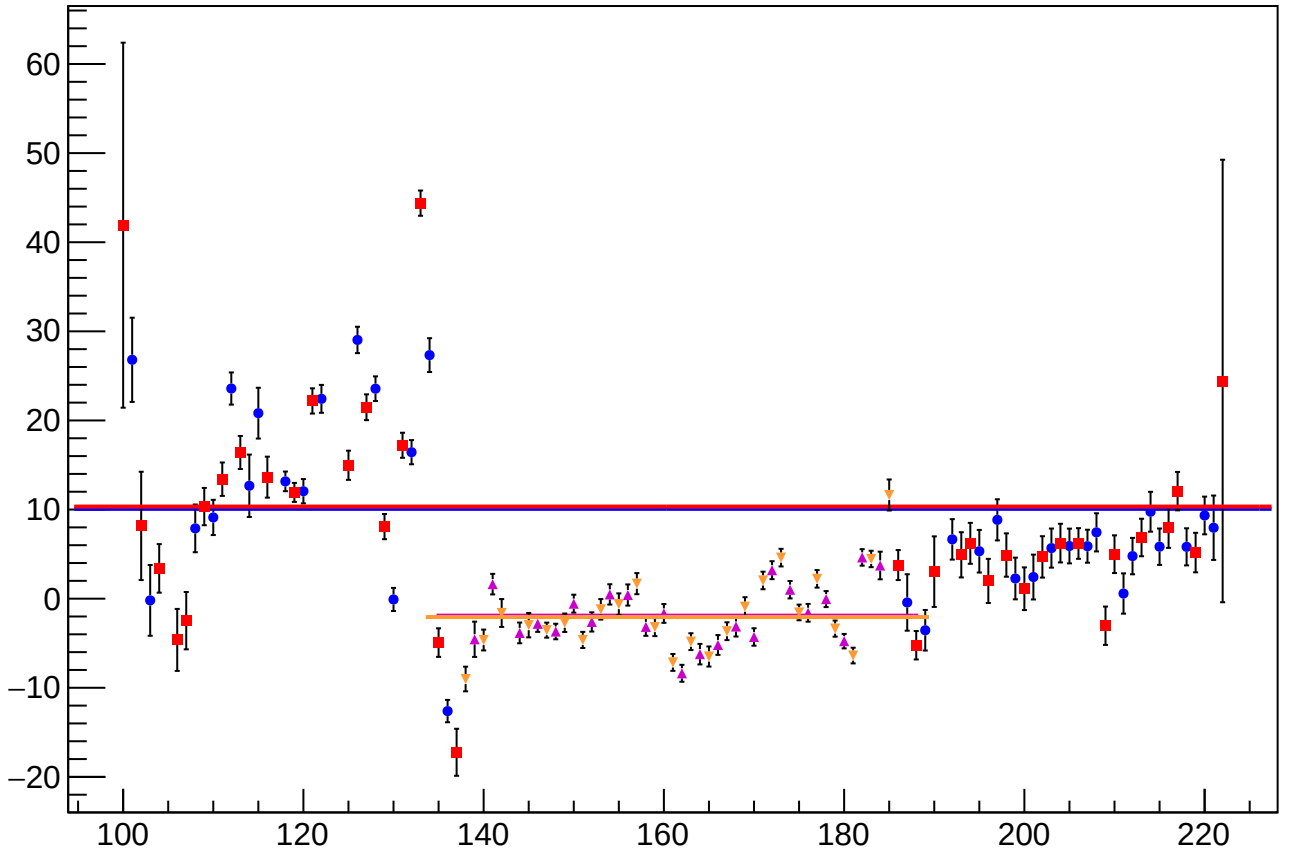
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -7.877+/-0.169 χ^2/NDF: 9039.2/69

In: -20.425+/-0.173 χ^2/NDF:16395.7/56

Out: -21.499+/-0.168 χ^2/NDF:14906.2/59

All: -20.976+/-0.121 χ^2/NDF: 31321.6/116



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: 10.336+/-0.328 χ^2/NDF: 1226.4/35

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

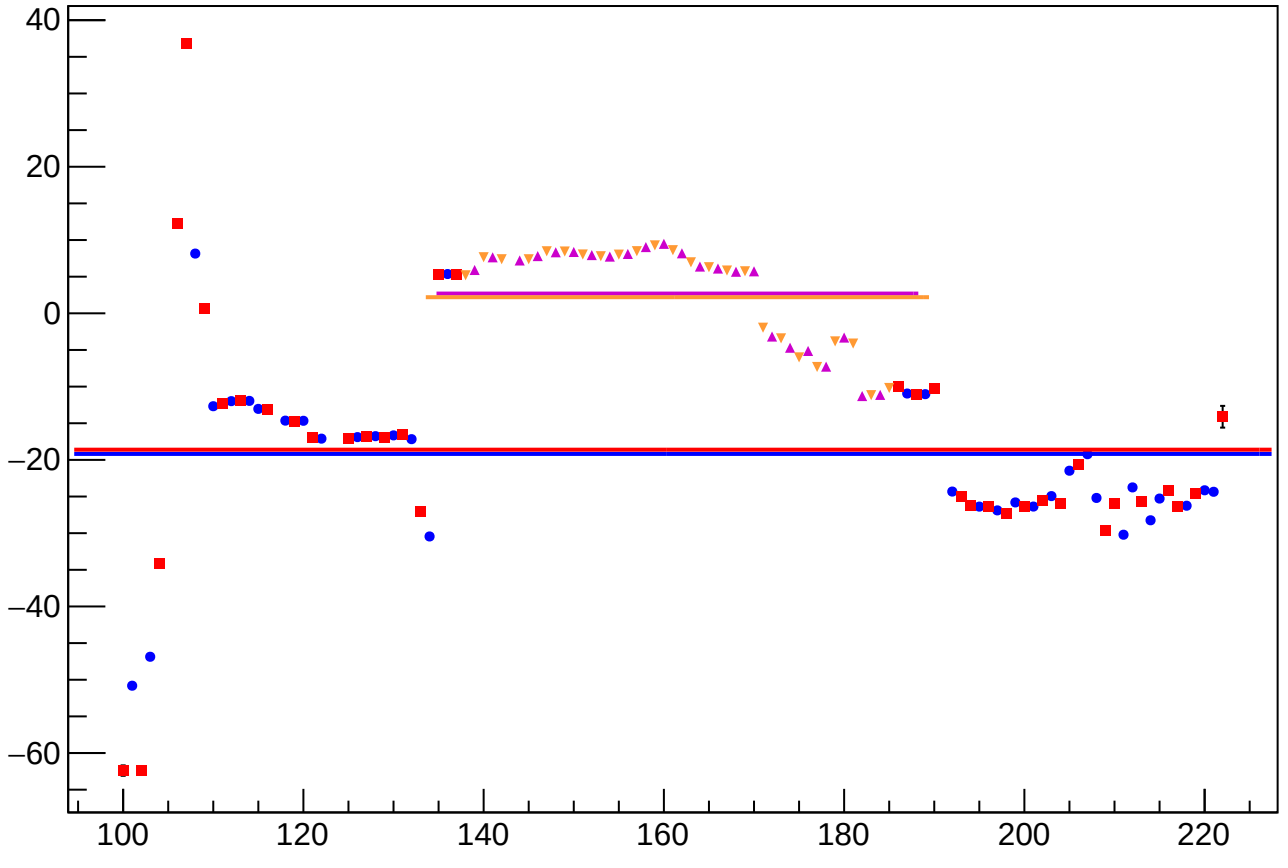
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.206+/-0.232 χ^2/NDF: 2264.4/69

In: 1.750+/-0.180 χ^2/NDF:2196.9/56

Out: 1.590+/-0.178 χ^2/NDF:2563.8/59

All: 1.669+/-0.127 χ^2/NDF: 4761.2/116



Right In: -19.186+/-0.016 χ^2/NDF: 537240.2/33

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.607+/-0.017 χ^2/NDF: 617381.9/35

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

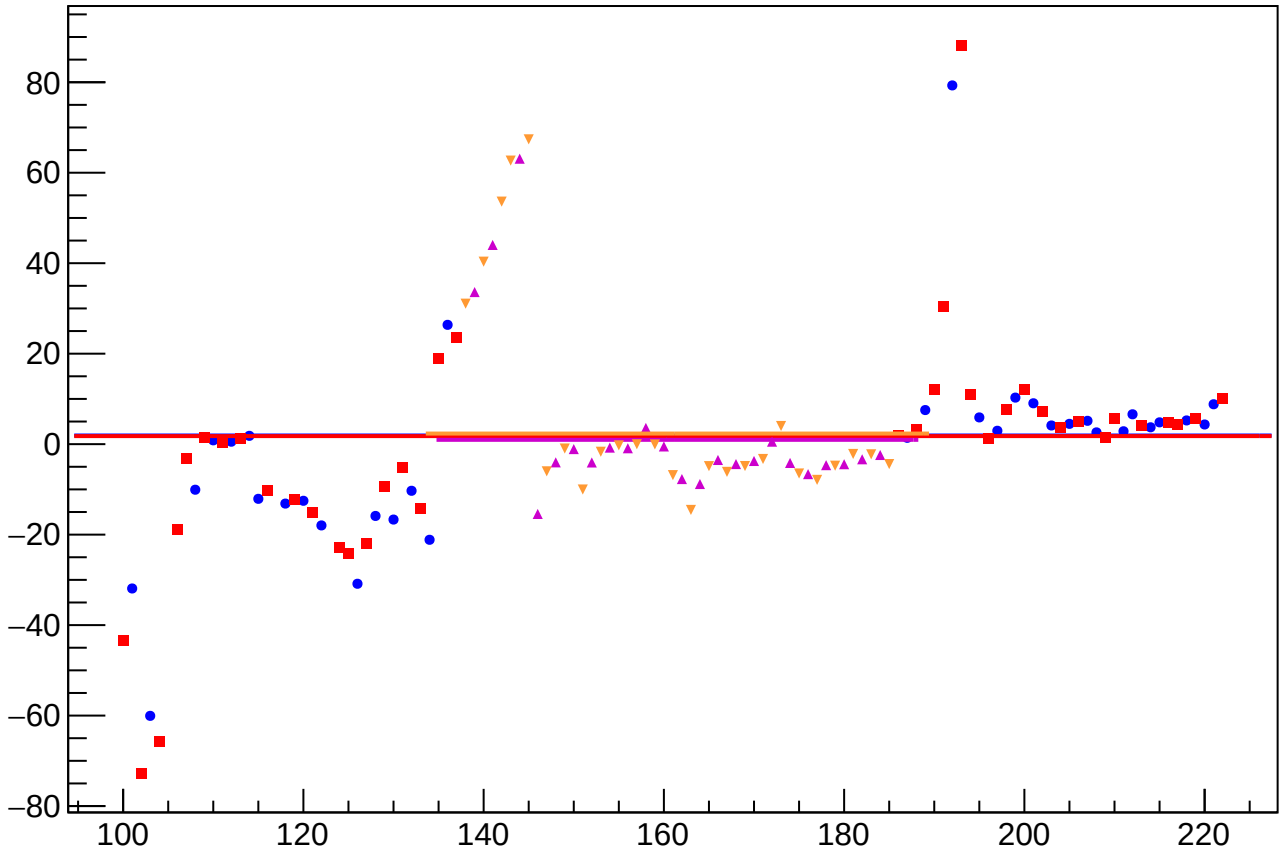
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.900+/-0.012 χ^2/NDF: 1155234.9/69

In: -2.822+/-0.008 χ^2/NDF:2358636.8/56

Out: -2.923+/-0.008 χ^2/NDF:2307632.8/59

All: -2.872+/-0.006 χ^2/NDF: 4666344.7/116



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: 1.778+/-0.031 χ^2/NDF: 124270.9/37

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

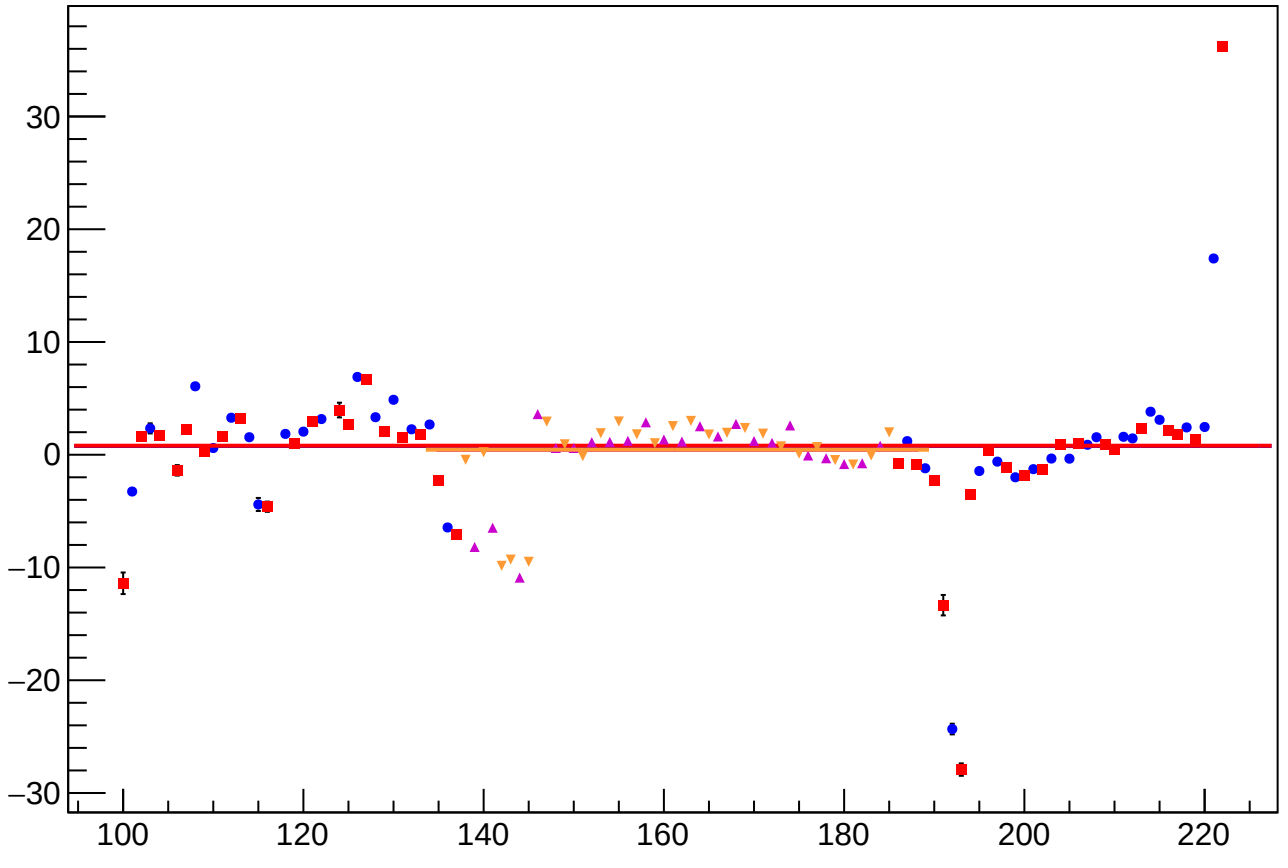
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.839+/-0.023 χ^2/NDF: 247483.3/71

In: 1.519+/-0.026 χ^2/NDF:256059.6/56

Out: 1.988+/-0.025 χ^2/NDF:301379.8/62

All: 1.763+/-0.018 χ^2/NDF: 557614.3/119



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: 0.801+/-0.042 χ^2/NDF: 15038.3/37

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

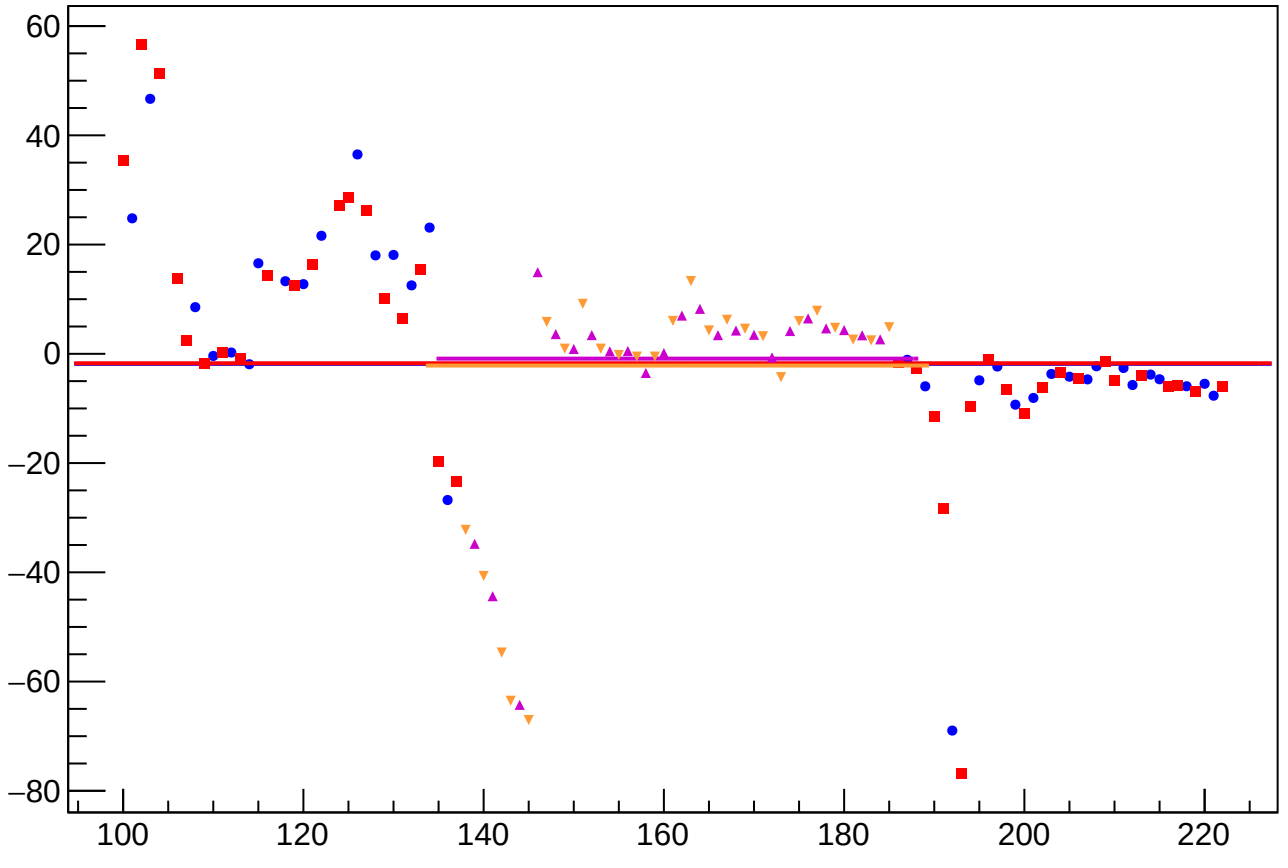
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.788+/-0.030 χ^2/NDF: 23454.1/71

In: 0.547+/-0.025 χ^2/NDF:15560.2/56

Out: 0.582+/-0.026 χ^2/NDF:22127.5/62

All: 0.565+/-0.018 χ^2/NDF: 37688.6/119



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: -1.736+/-0.033 χ^2/NDF: 121723.4/37

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

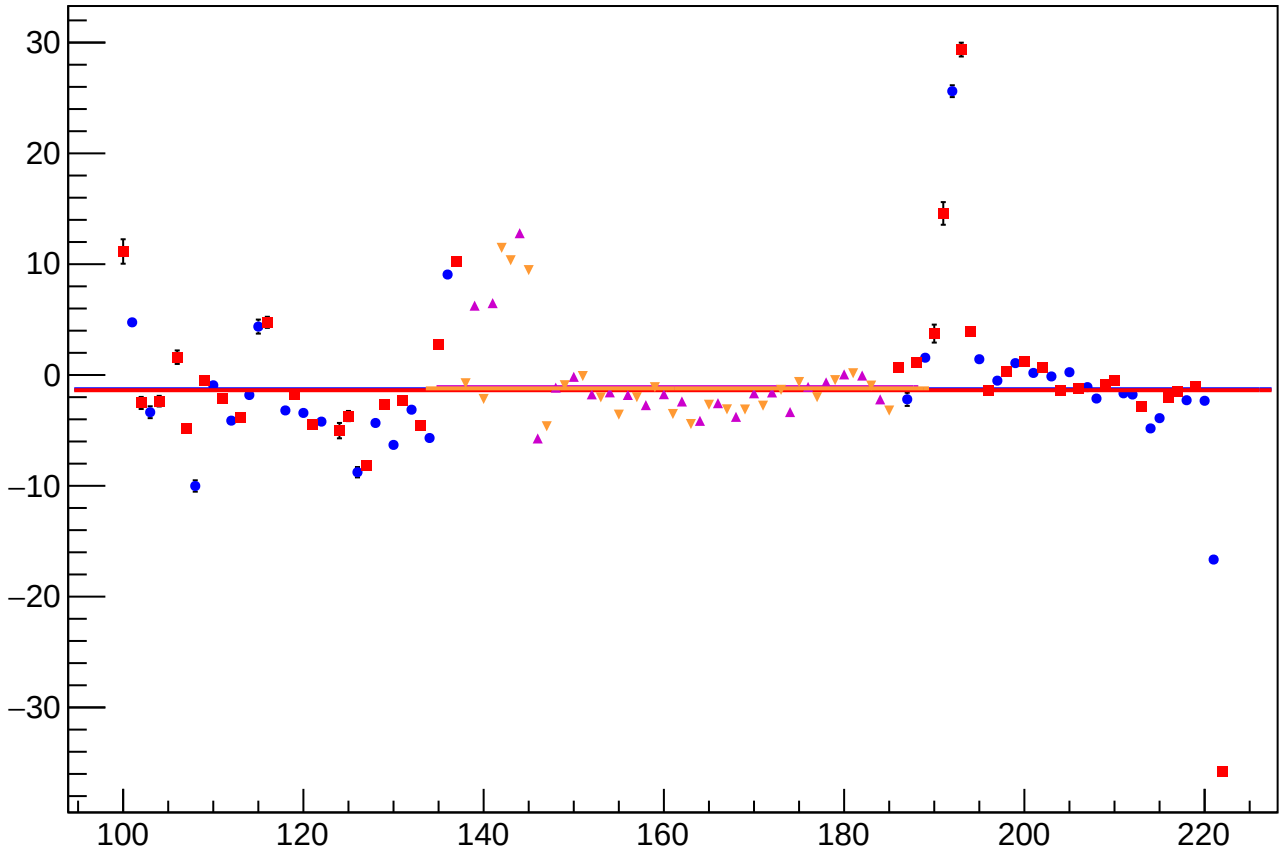
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.782+/-0.024 χ^2/NDF: 243011.4/71

In: -1.417+/-0.026 χ^2/NDF:250810.8/56

Out: -1.899+/-0.025 χ^2/NDF:293055.8/62

All: -1.663+/-0.018 χ^2/NDF: 544042.1/119



Right In: -1.286+/-0.049 χ^2/NDF: 9335.9/33

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.373+/-0.048 χ^2/NDF: 13951.1/37

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

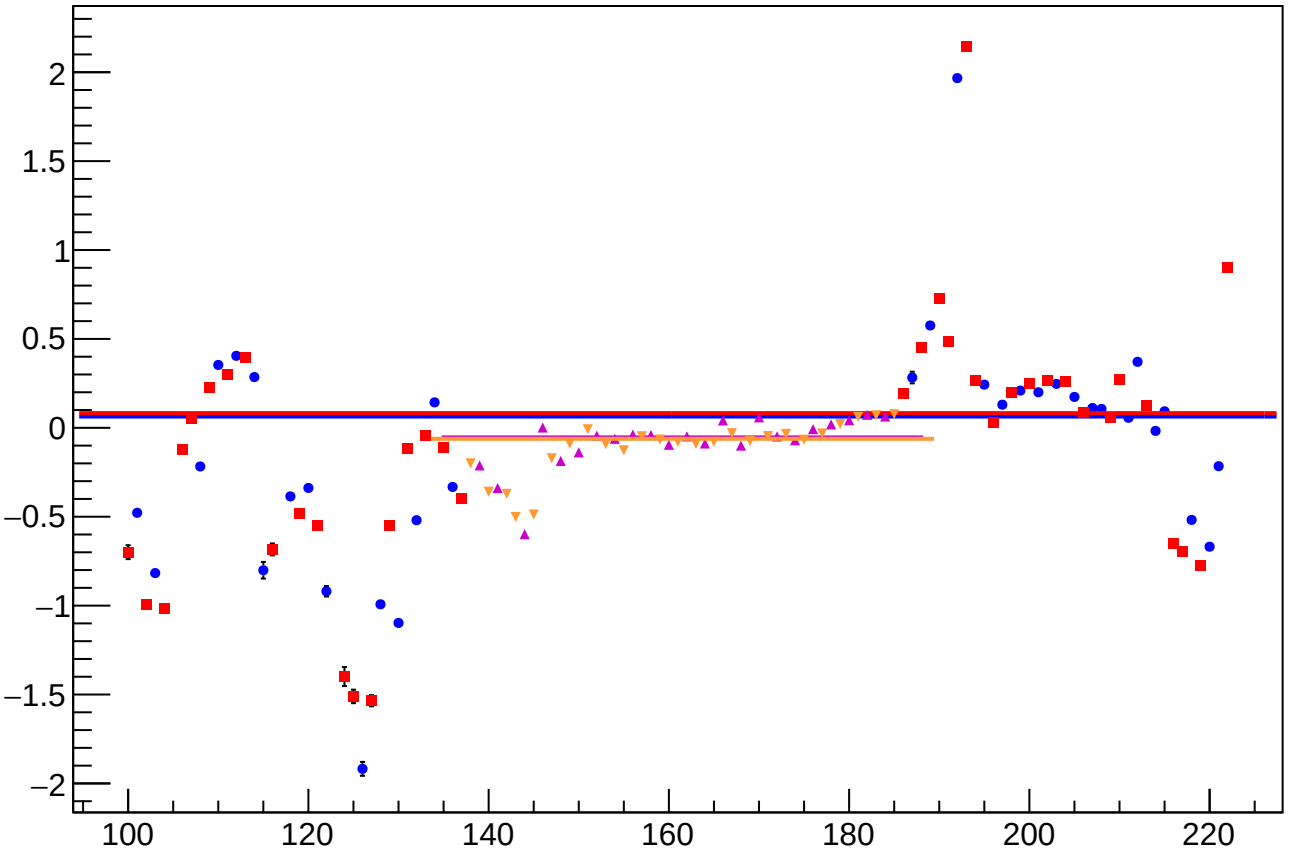
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.331+/-0.034 χ^2/NDF: 23288.7/71

In: -1.158+/-0.028 χ^2/NDF:16375.3/56

Out: -1.267+/-0.029 χ^2/NDF:20962.0/62

All: -1.212+/-0.020 χ^2/NDF: 37344.5/119



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: 0.083+/-0.002 χ^2/NDF: 40297.9/37

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

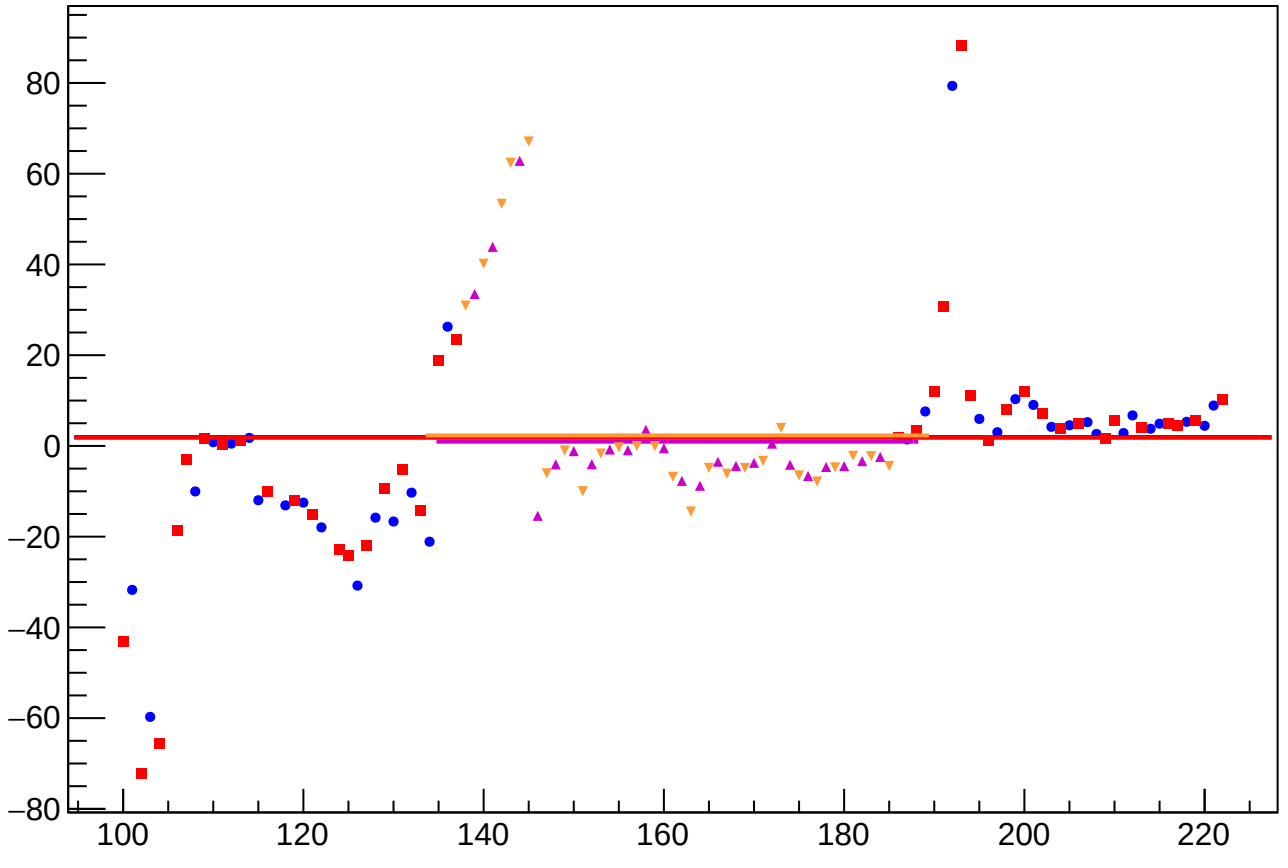
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.073+/-0.002 χ^2/NDF: 77190.6/71

In: -0.018+/-0.001 χ^2/NDF:43792.0/56

Out: -0.012+/-0.001 χ^2/NDF:48839.3/62

All: -0.015+/-0.001 χ^2/NDF: 92639.8/119



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: 1.806+/-0.031 χ^2/NDF: 124971.7/37

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

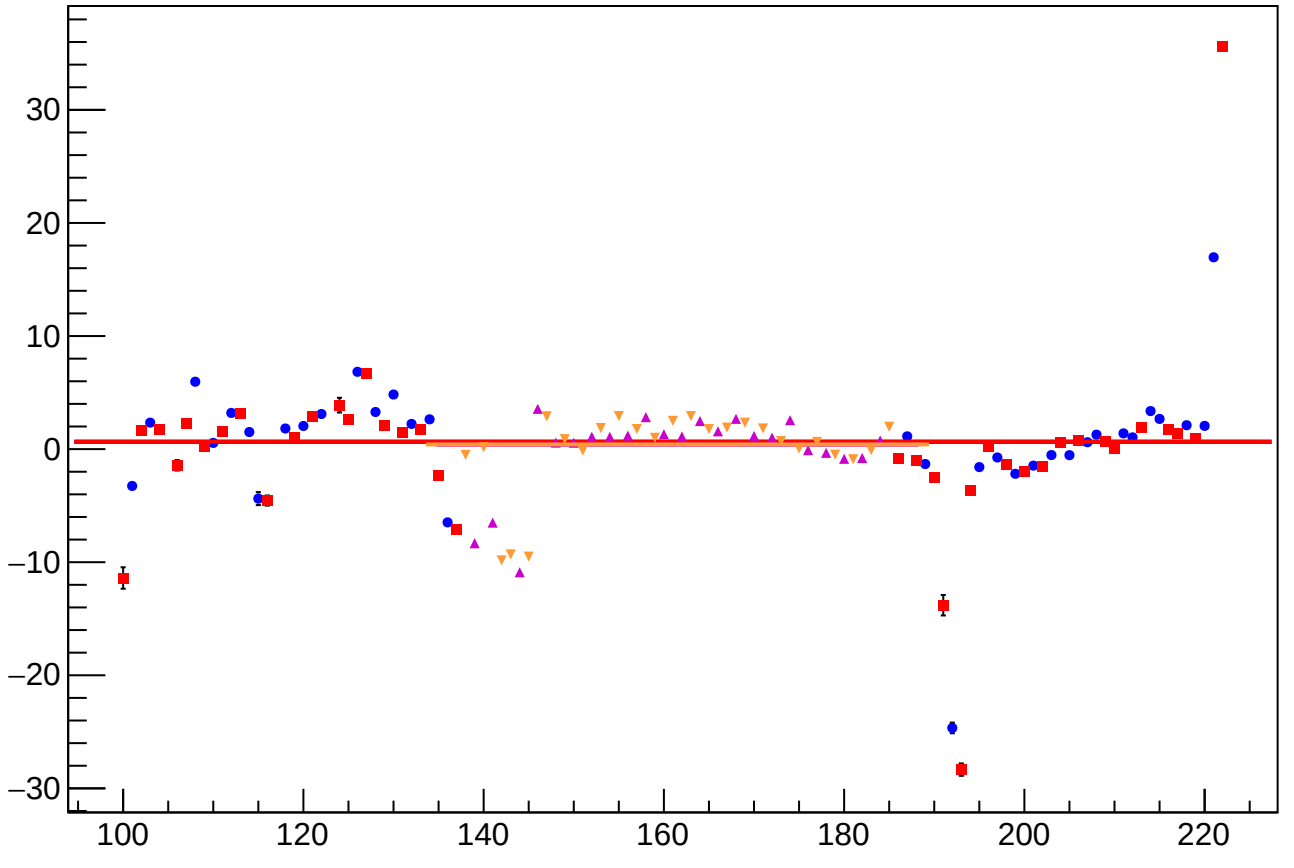
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.868+/-0.023 χ^2/NDF: 248806.6/71

In: 1.528+/-0.025 χ^2/NDF:256606.9/56

Out: 1.996+/-0.024 χ^2/NDF:301820.4/62

All: 1.772+/-0.018 χ^2/NDF: 558603.1/119



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: 0.669+/-0.041 χ^2/NDF: 14994.7/37

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

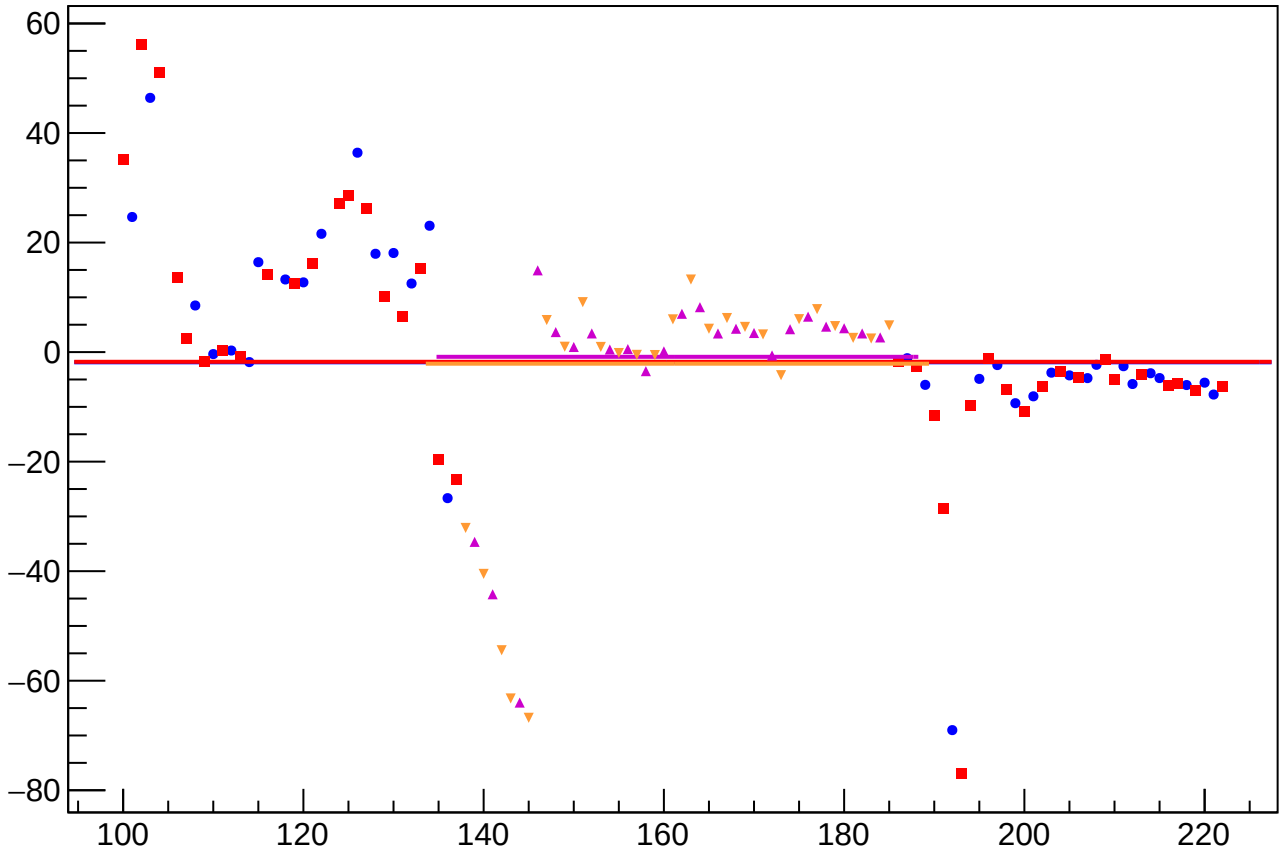
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.657+/-0.030 χ^2/NDF: 23405.5/71

In: 0.477+/-0.025 χ^2/NDF:15547.7/56

Out: 0.512+/-0.026 χ^2/NDF:22065.4/62

All: 0.495+/-0.018 χ^2/NDF: 37614.0/119



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: -1.769+/-0.033 χ^2/NDF: 122350.0/37

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

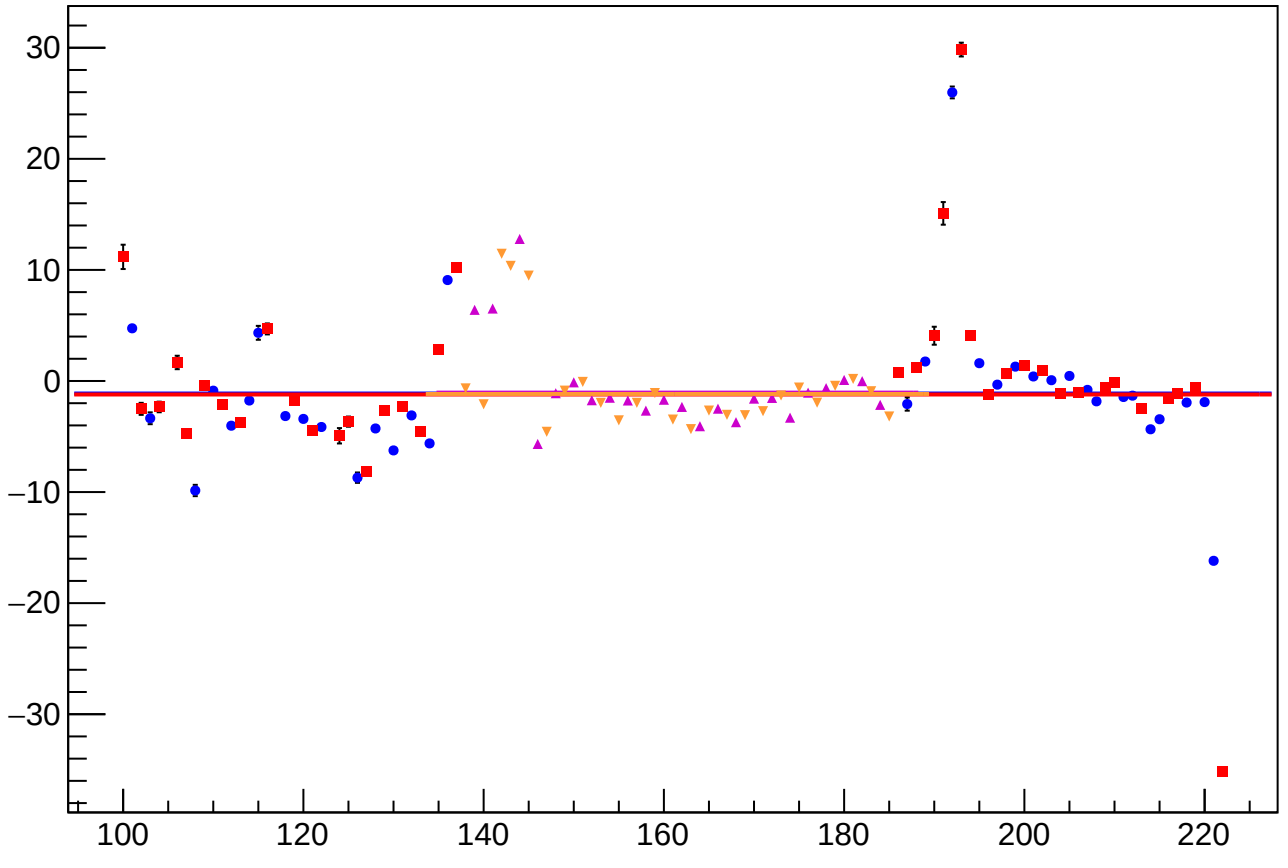
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.815+/-0.024 χ^2/NDF: 244203.0/71

In: -1.426+/-0.026 χ^2/NDF:251305.1/56

Out: -1.909+/-0.025 χ^2/NDF:293435.6/62

All: -1.673+/-0.018 χ^2/NDF: 544917.9/119



Right In: -1.129+/-0.049 χ^2/NDF: 9335.1/33

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.216+/-0.047 χ^2/NDF: 13940.7/37

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

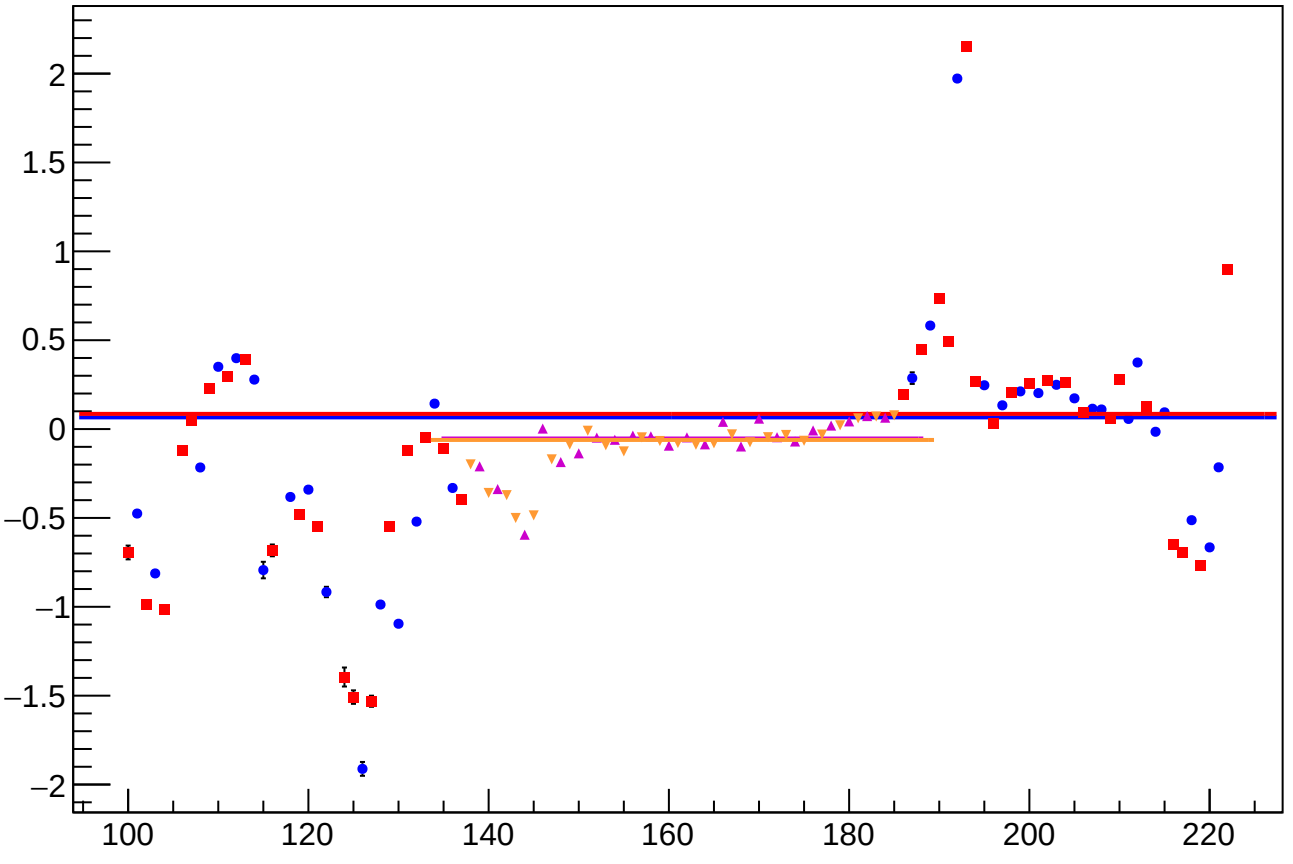
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.174+/-0.034 χ^2/NDF: 23277.4/71

In: -1.075+/-0.028 χ^2/NDF:16377.7/56

Out: -1.185+/-0.029 χ^2/NDF:20942.7/62

All: -1.129+/-0.020 χ^2/NDF: 37327.8/119



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: 0.085+/-0.002 χ^2/NDF: 40625.3/37

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

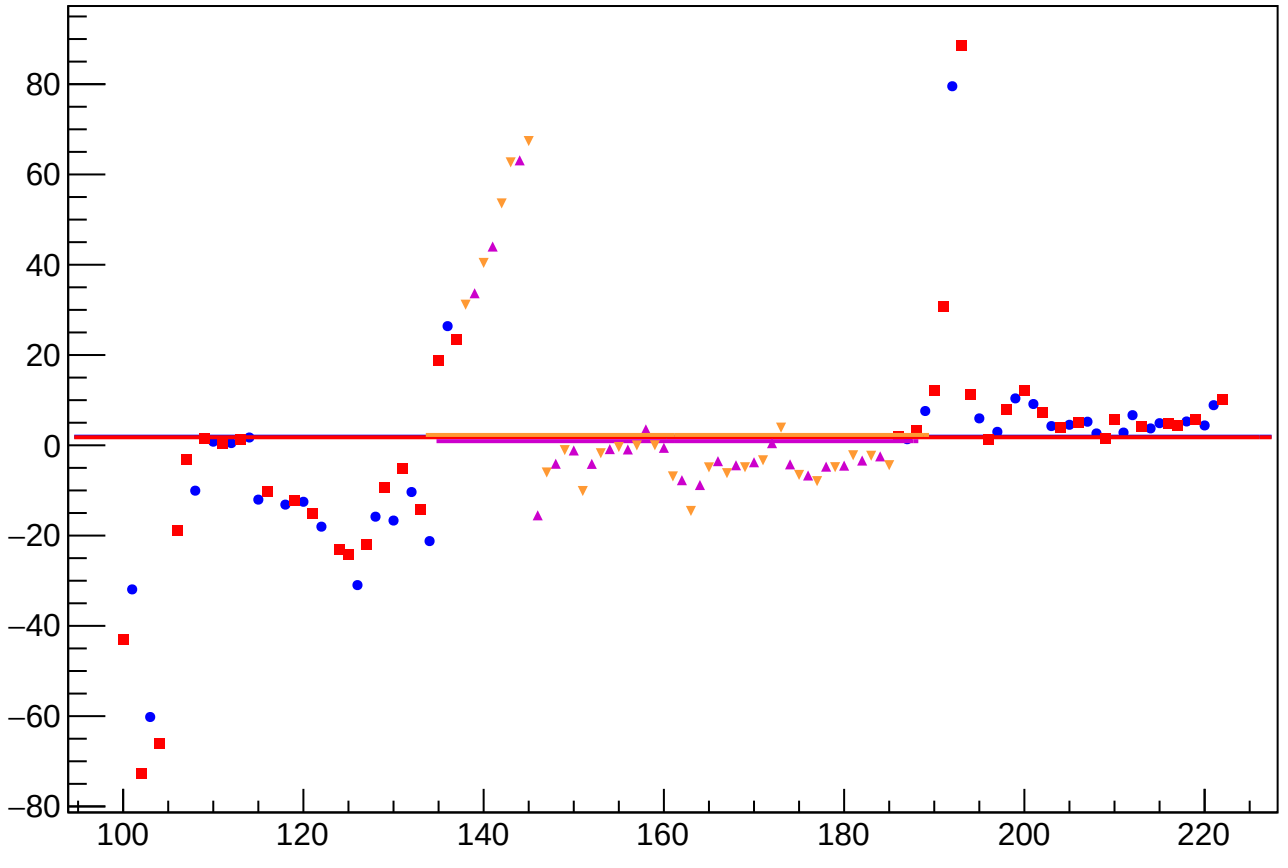
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.076+/-0.002 χ^2/NDF: 77808.7/71

In: -0.016+/-0.001 χ^2/NDF:44120.0/56

Out: -0.011+/-0.001 χ^2/NDF:49302.2/62

All: -0.014+/-0.001 χ^2/NDF: 93430.7/119



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: 1.778+/-0.031 χ^2/NDF: 124939.1/37

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

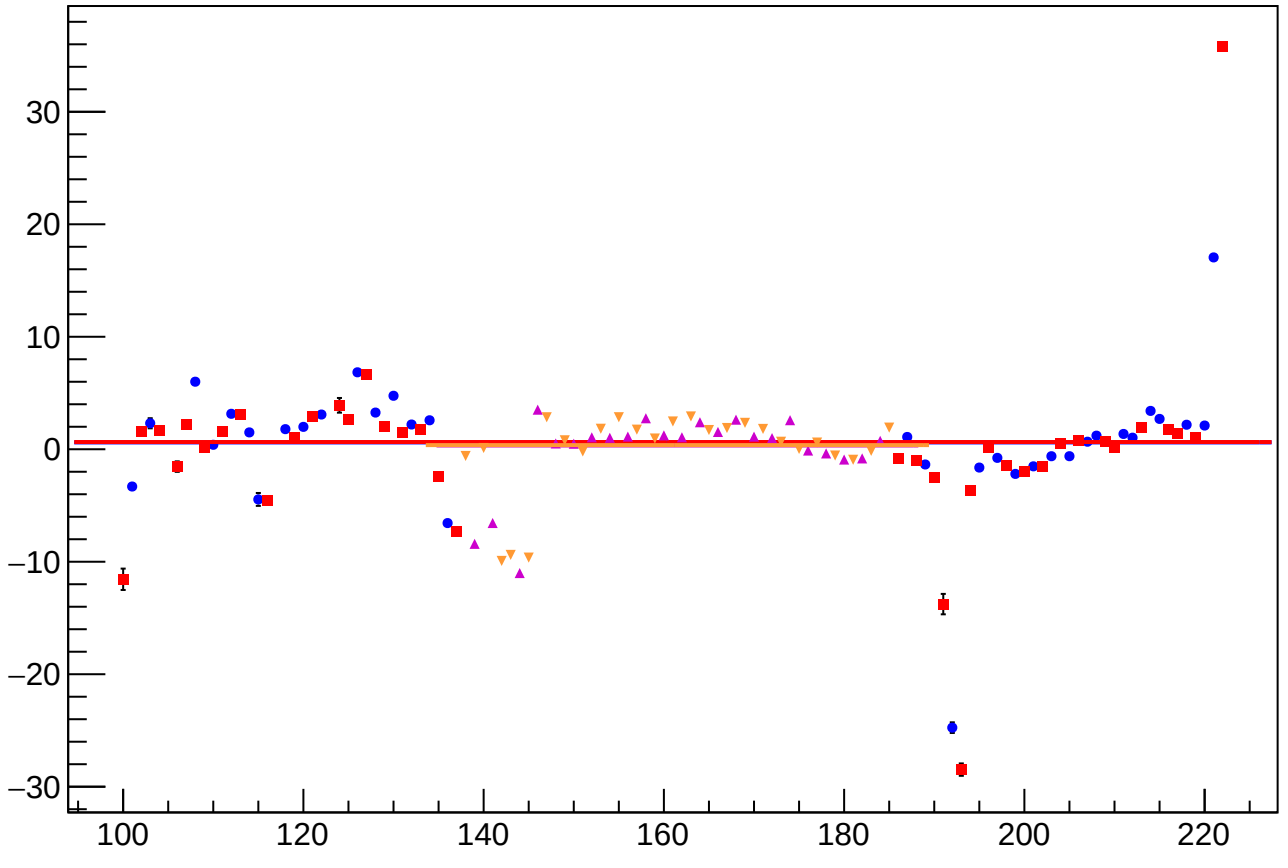
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.839+/-0.023 χ^2/NDF: 248775.8/71

In: 1.500+/-0.026 χ^2/NDF:256769.1/56

Out: 1.970+/-0.025 χ^2/NDF:302229.0/62

All: 1.745+/-0.018 χ^2/NDF: 559173.9/119



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: 0.642+/-0.042 χ^2/NDF: 15020.7/37

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

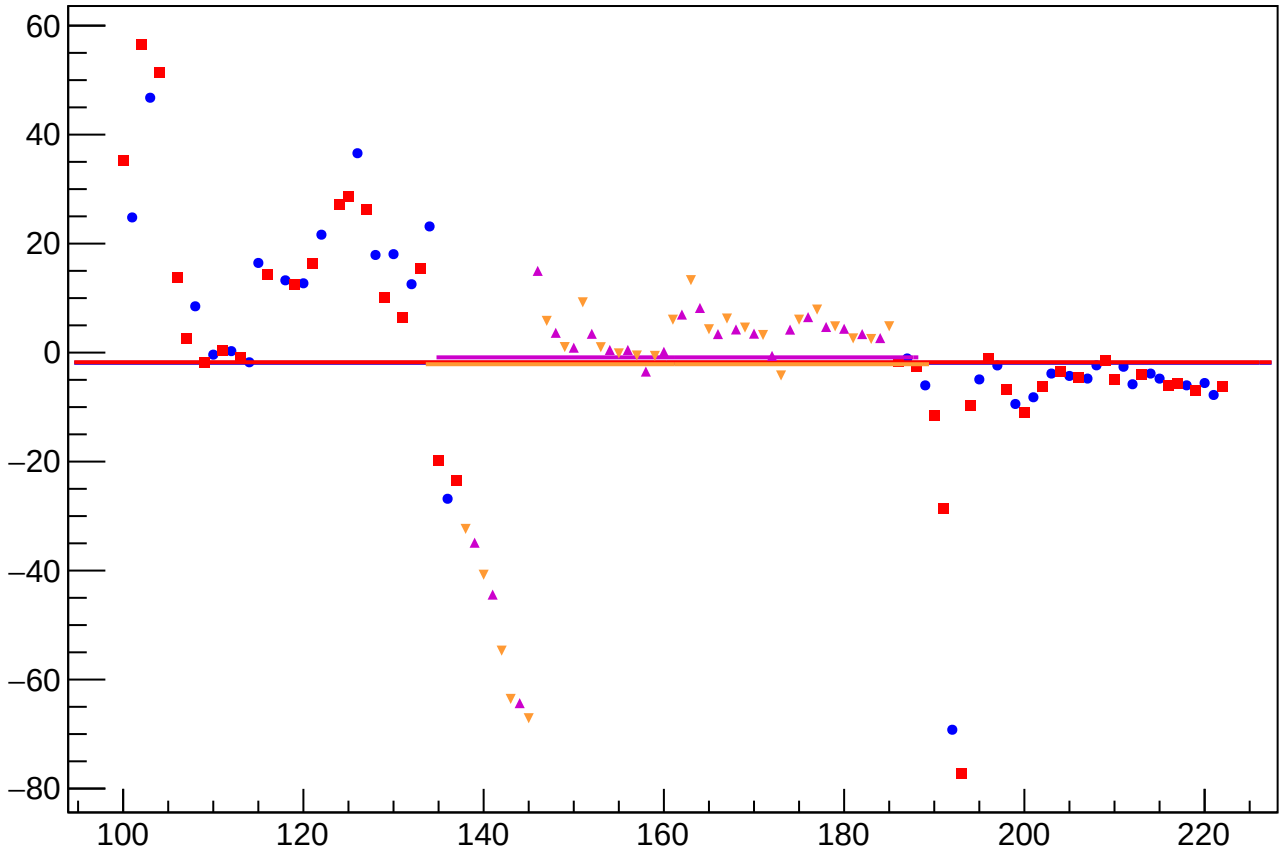
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.625+/-0.030 χ^2/NDF: 23444.9/71

In: 0.430+/-0.025 χ^2/NDF:15543.8/56

Out: 0.473+/-0.026 χ^2/NDF:22115.5/62

All: 0.451+/-0.018 χ^2/NDF: 37660.7/119



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: -1.769+/-0.033 χ^2/NDF: 122355.5/37

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

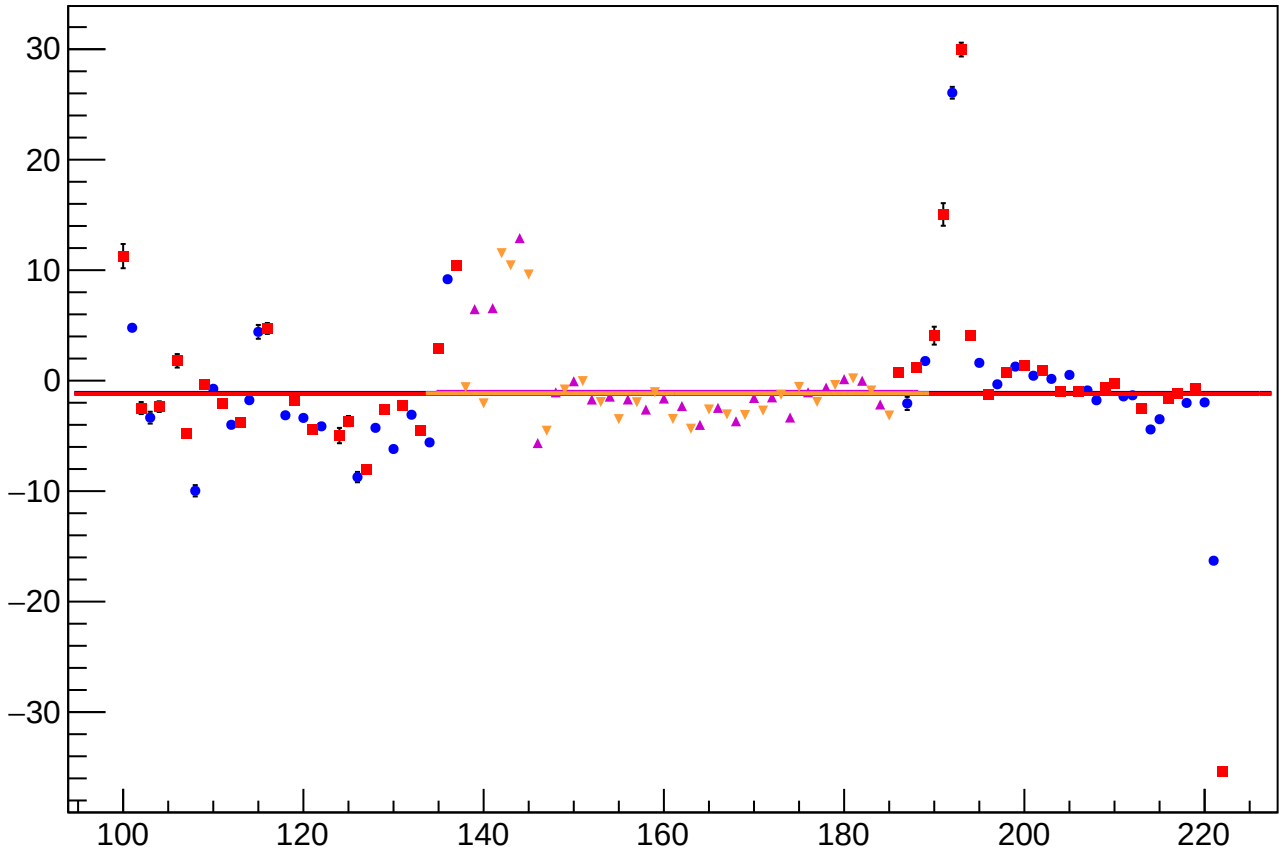
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.816+/-0.024 χ^2/NDF: 244234.8/71

In: -1.432+/-0.026 χ^2/NDF:251498.8/56

Out: -1.914+/-0.025 χ^2/NDF:293871.3/62

All: -1.679+/-0.018 χ^2/NDF: 545545.4/119



Right In: -1.110+/-0.049 χ^2/NDF: 9352.7/33

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.209+/-0.048 χ^2/NDF: 13972.1/37

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

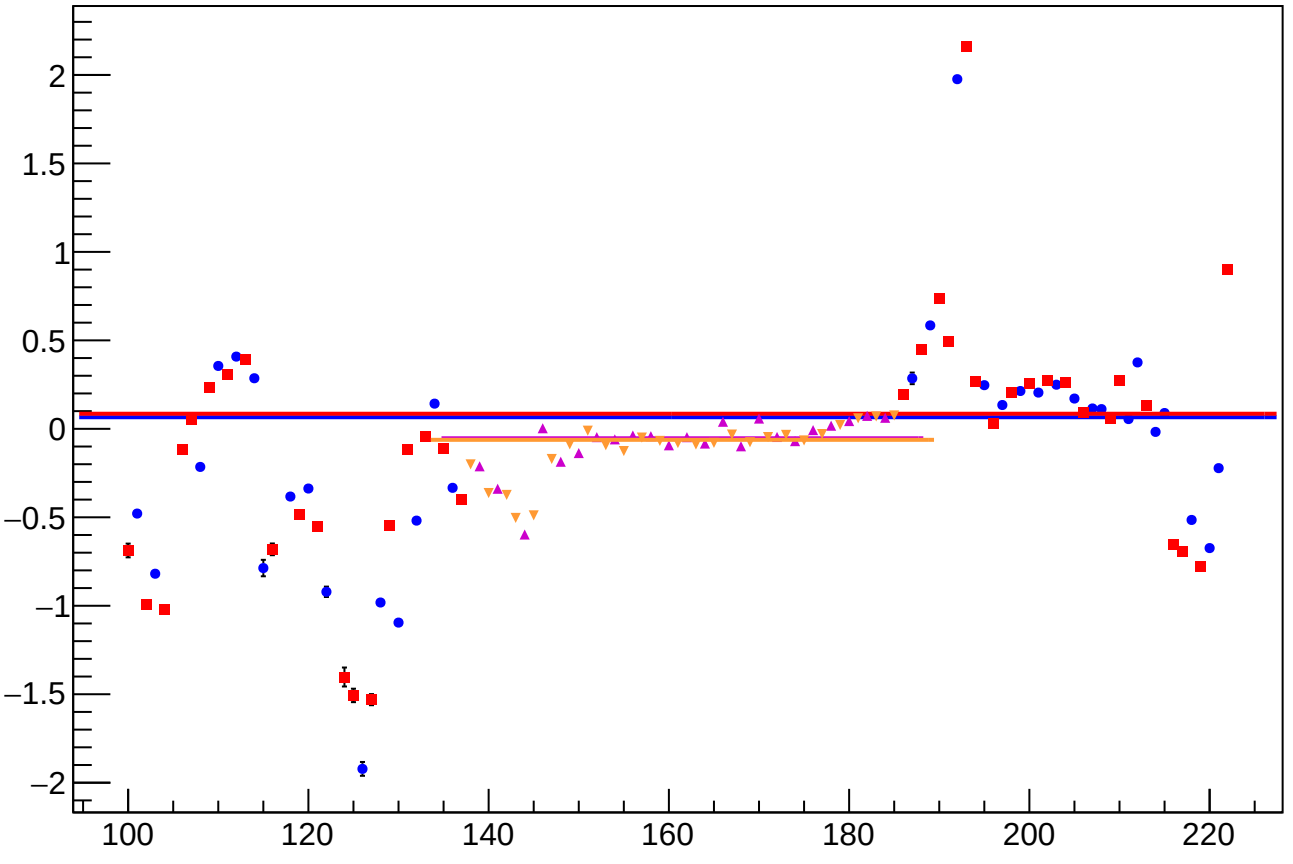
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.161+/-0.034 χ^2/NDF: 23326.9/71

In: -1.045+/-0.028 χ^2/NDF:16382.5/56

Out: -1.165+/-0.029 χ^2/NDF:20996.4/62

All: -1.104+/-0.020 χ^2/NDF: 37387.6/119



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: 0.085+/-0.002 χ^2/NDF: 40555.1/37

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

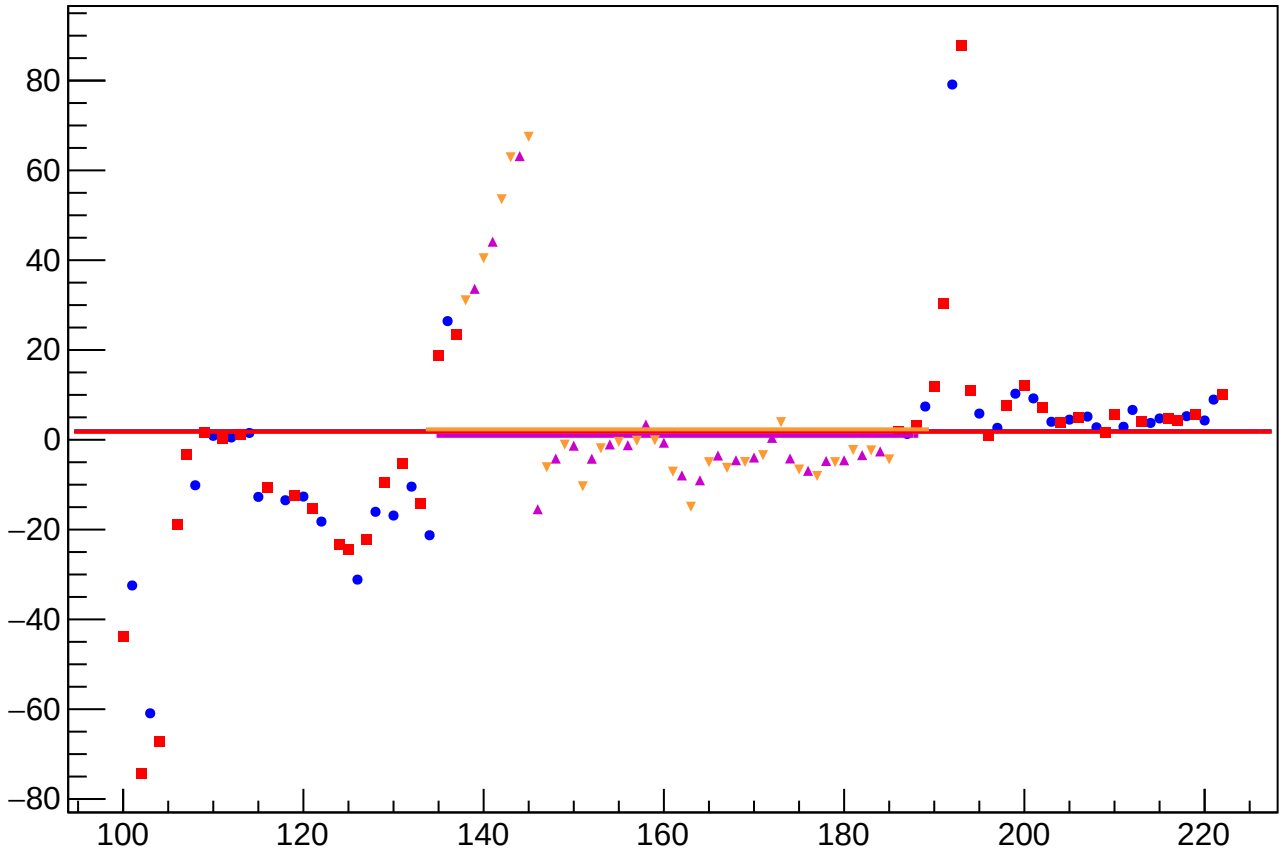
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.076+/-0.002 χ^2/NDF: 77740.6/71

In: -0.017+/-0.001 χ^2/NDF:44089.7/56

Out: -0.012+/-0.001 χ^2/NDF:49238.7/62

All: -0.014+/-0.001 χ^2/NDF: 93335.6/119



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: 1.780+/-0.031 χ^2/NDF: 123229.0/37

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

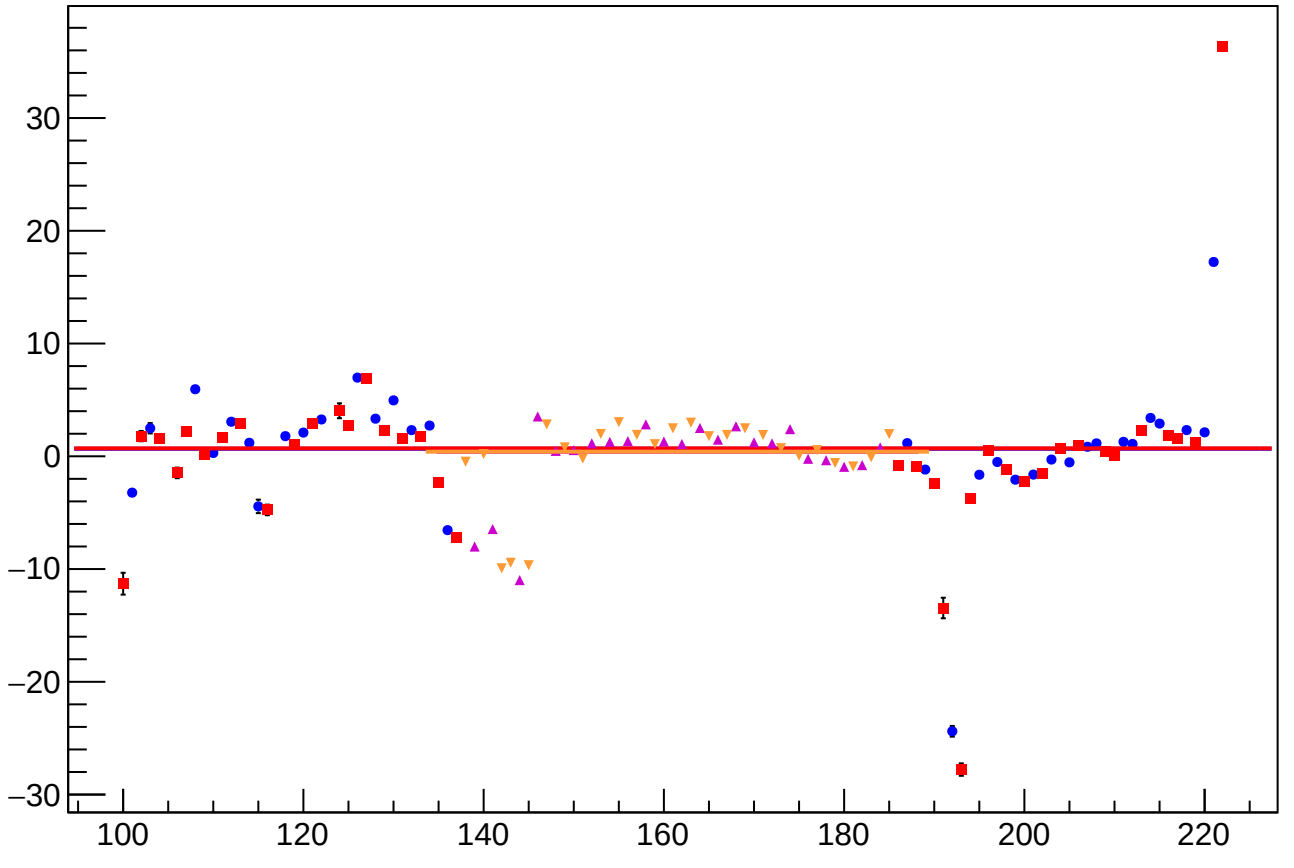
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.838+/-0.023 χ^2/NDF: 245146.2/71

In: 1.491+/-0.026 χ^2/NDF:252697.1/56

Out: 1.982+/-0.025 χ^2/NDF:297989.4/62

All: 1.747+/-0.018 χ^2/NDF: 550872.5/119



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: 0.702+/-0.042 χ^2/NDF: 14909.4/37

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

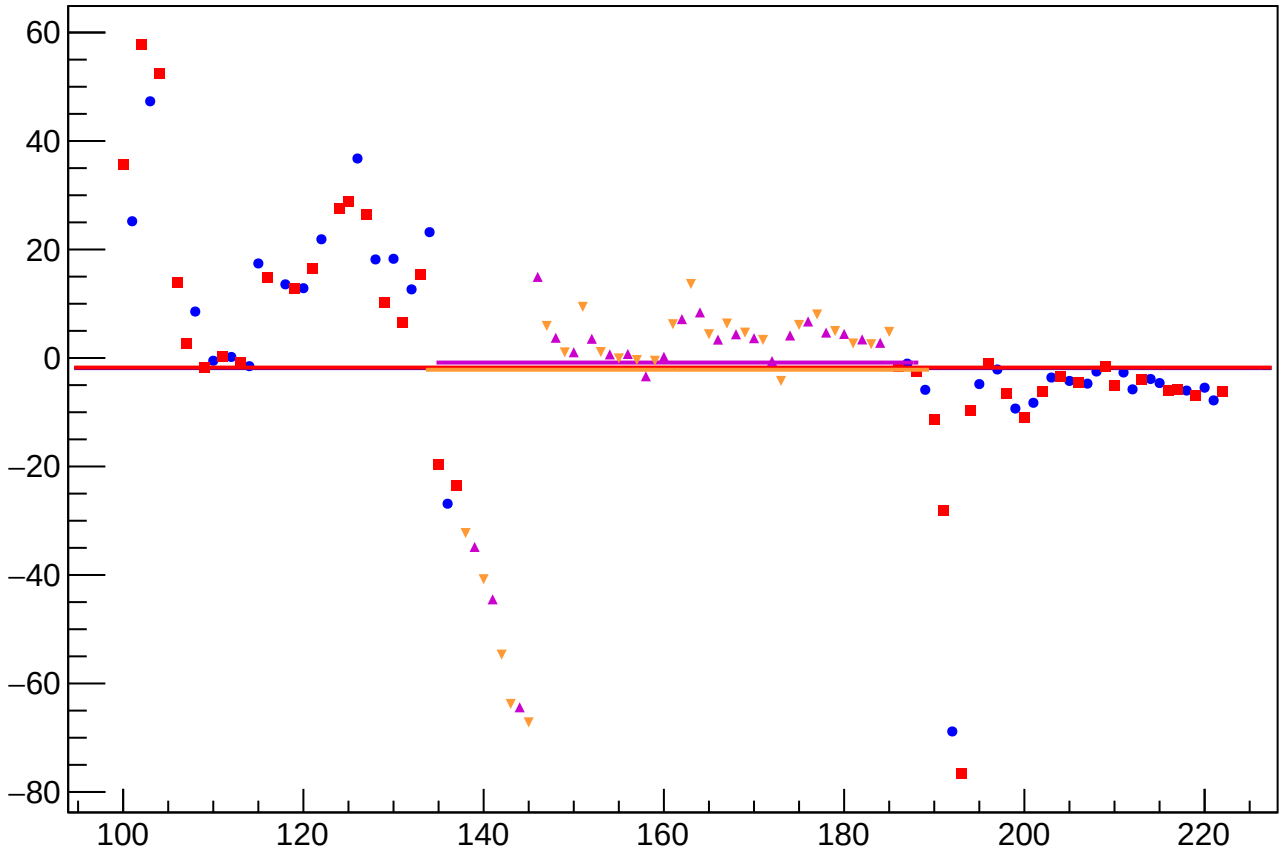
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.686+/-0.030 χ^2/NDF: 23158.9/71

In: 0.491+/-0.026 χ^2/NDF:15206.3/56

Out: 0.523+/-0.026 χ^2/NDF:21986.9/62

All: 0.507+/-0.018 χ^2/NDF: 37194.0/119



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: -1.769+/-0.033 χ^2/NDF: 120678.6/37

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

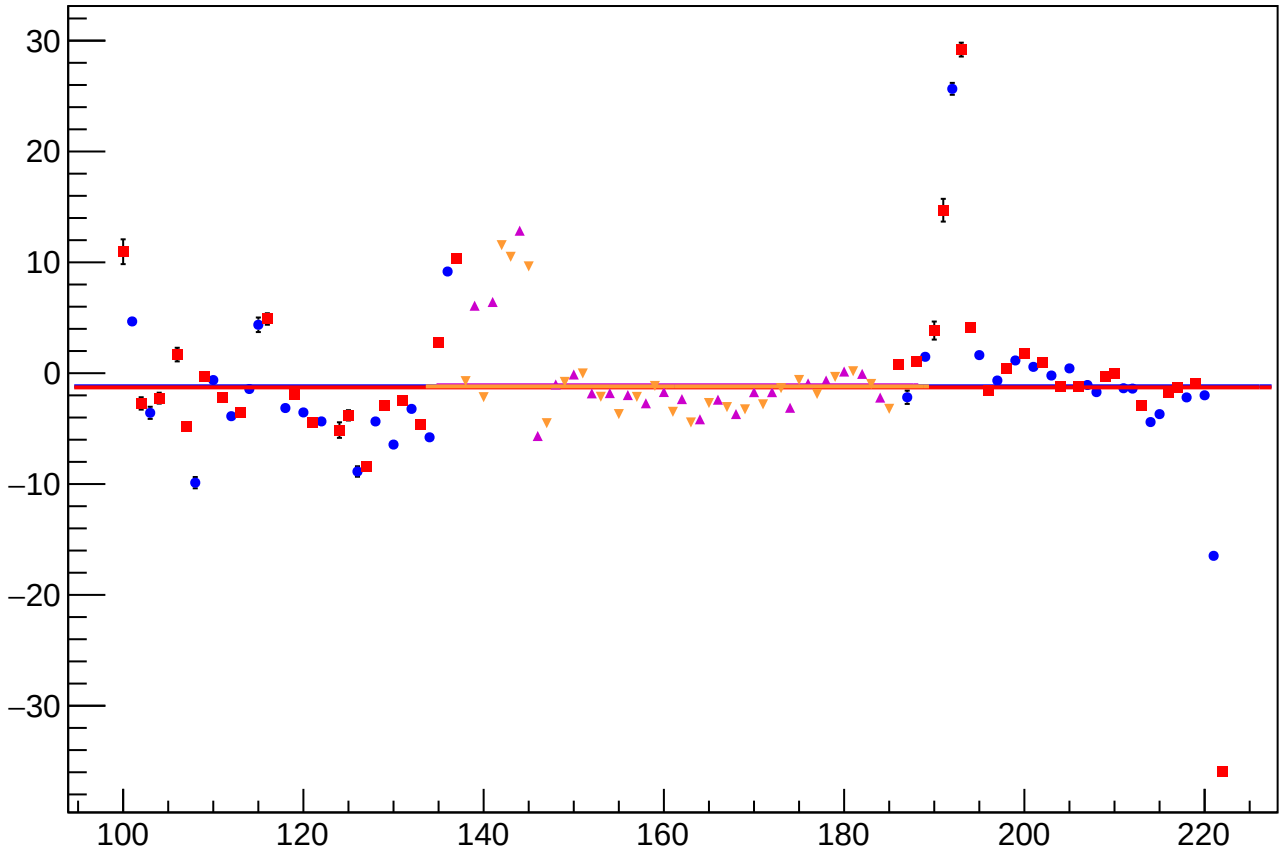
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.814+/-0.024 χ^2/NDF: 240673.9/71

In: -1.422+/-0.026 χ^2/NDF:247492.9/56

Out: -1.925+/-0.026 χ^2/NDF:289724.6/62

All: -1.679+/-0.018 χ^2/NDF: 537403.2/119



Right In: -1.180+/-0.050 χ^2/NDF: 9178.1/33

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.281+/-0.048 χ^2/NDF: 13869.6/37

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

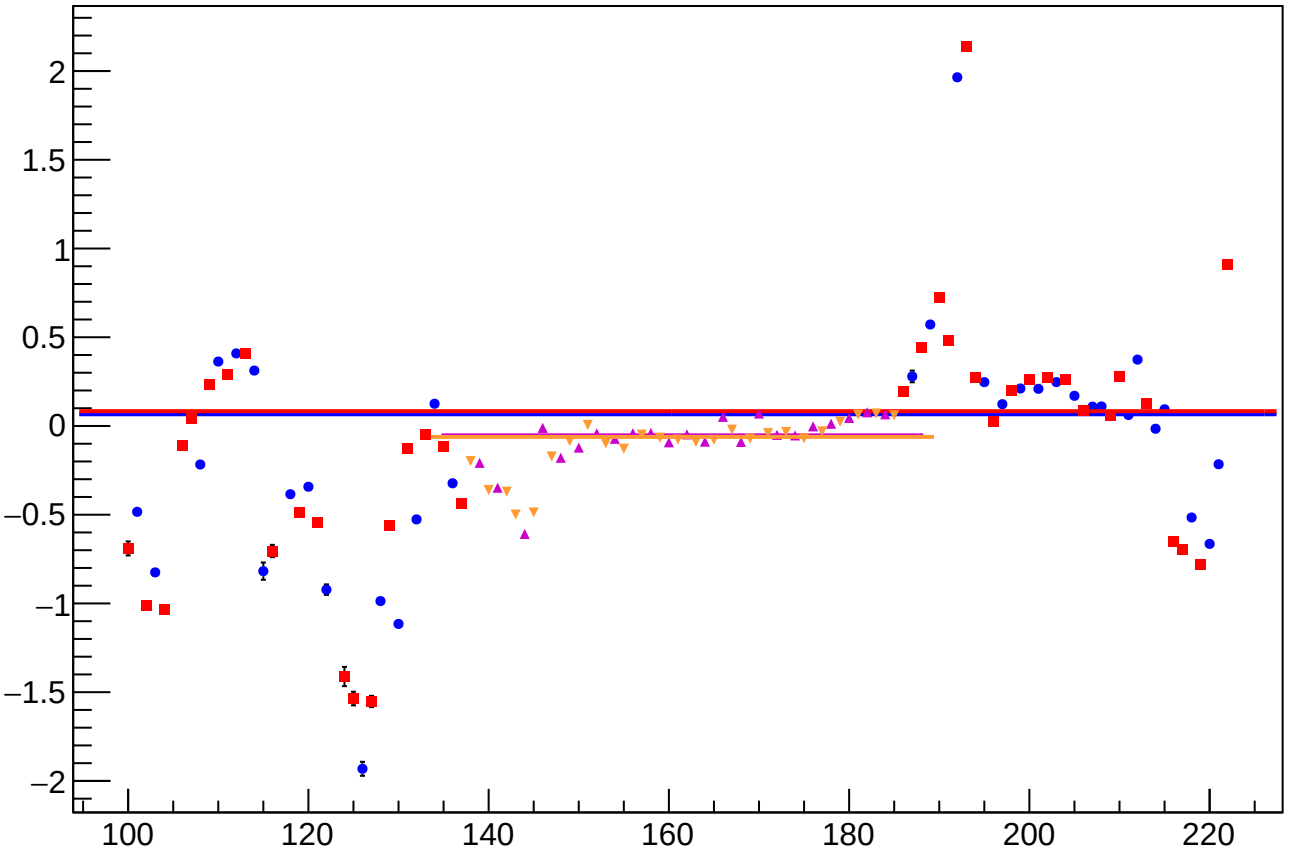
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.232+/-0.035 χ^2/NDF: 23049.8/71

In: -1.120+/-0.029 χ^2/NDF:16021.1/56

Out: -1.224+/-0.029 χ^2/NDF:20867.7/62

All: -1.171+/-0.021 χ^2/NDF: 36895.2/119



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: 0.083+/-0.002 χ^2/NDF: 40063.1/37

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

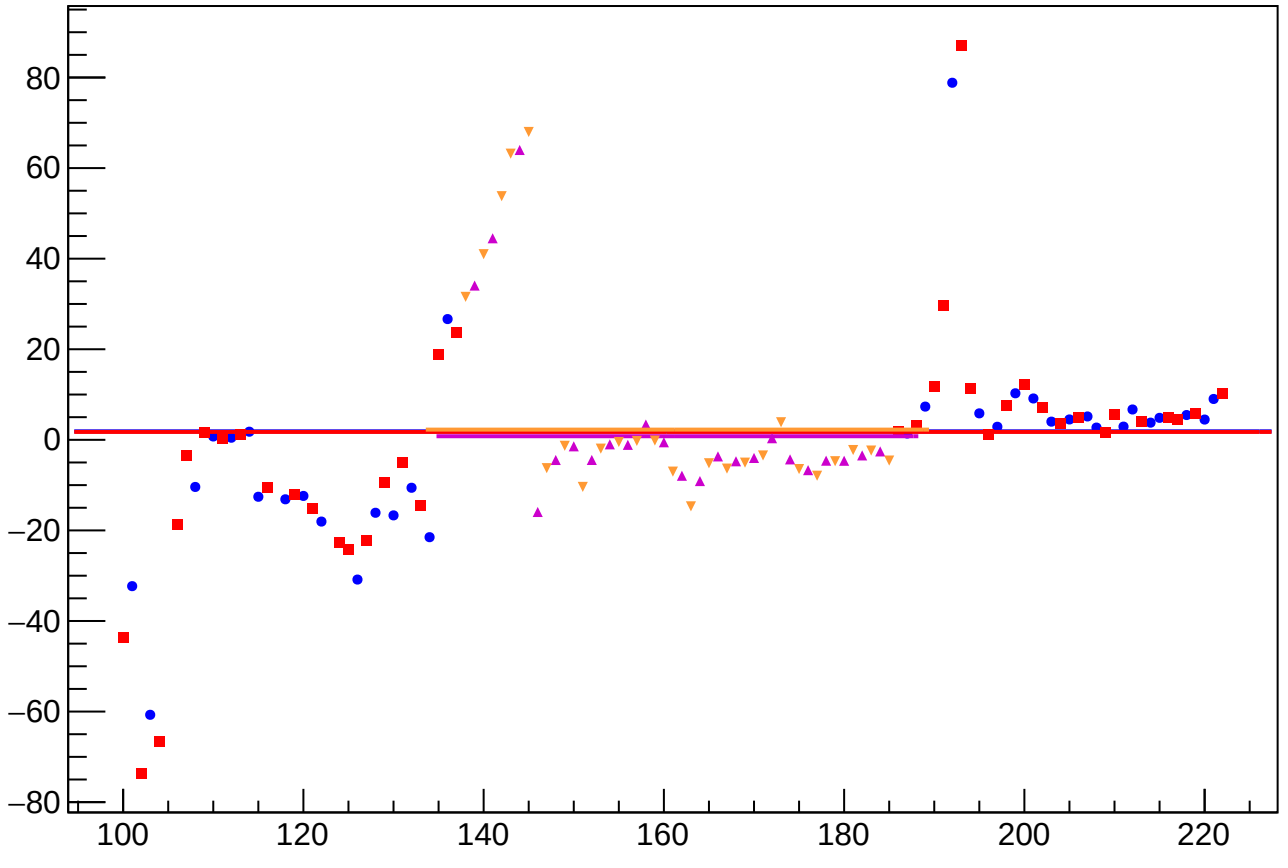
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.075+/-0.002 χ^2/NDF: 76433.6/71

In: -0.015+/-0.001 χ^2/NDF:43276.1/56

Out: -0.011+/-0.001 χ^2/NDF:48401.1/62

All: -0.014+/-0.001 χ^2/NDF: 91682.1/119



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: 1.747+/-0.032 χ^2/NDF: 121152.3/37

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

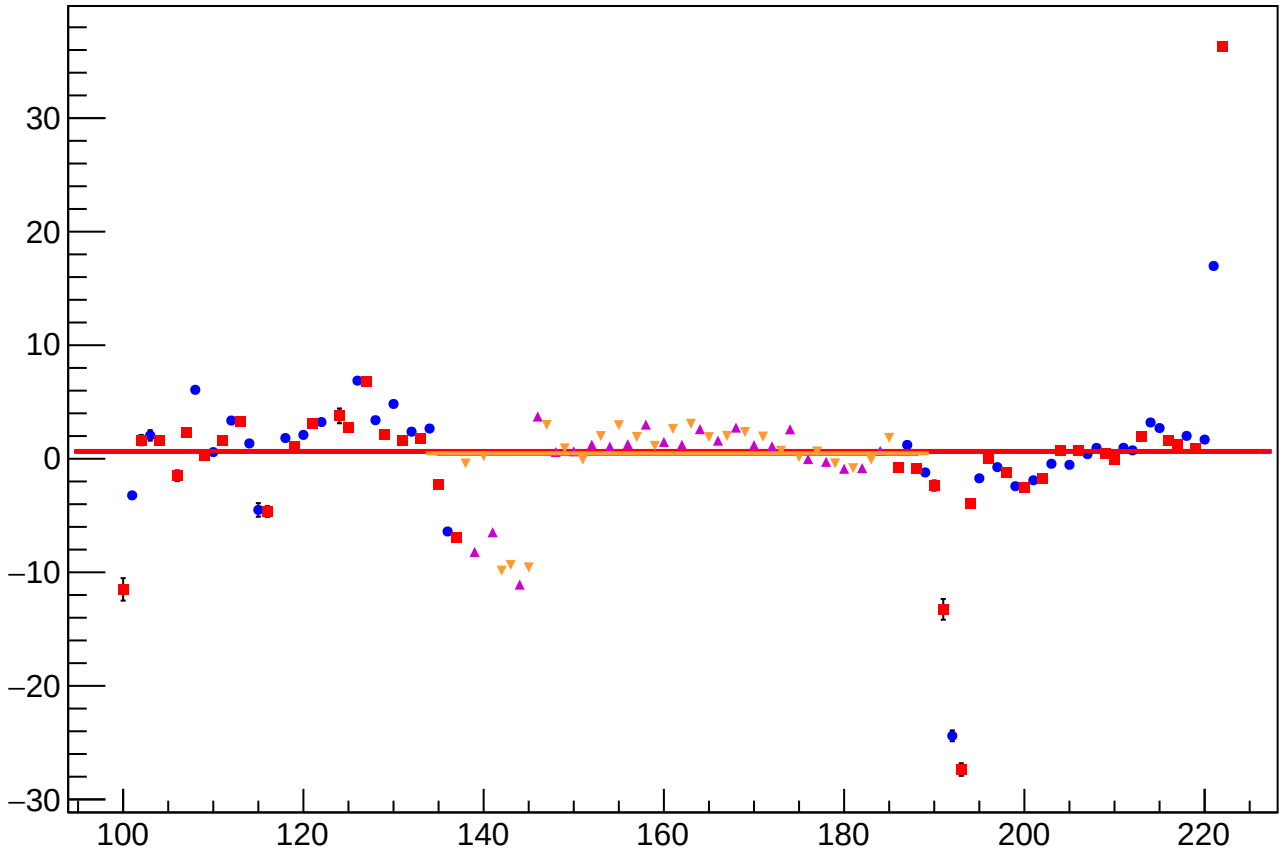
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.808+/-0.023 χ^2/NDF: 241537.3/71

In: 1.435+/-0.026 χ^2/NDF:249615.7/56

Out: 1.936+/-0.025 χ^2/NDF:292917.7/62

All: 1.695+/-0.018 χ^2/NDF: 542721.9/119



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: 0.689+/-0.043 χ^2/NDF: 14641.9/37

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

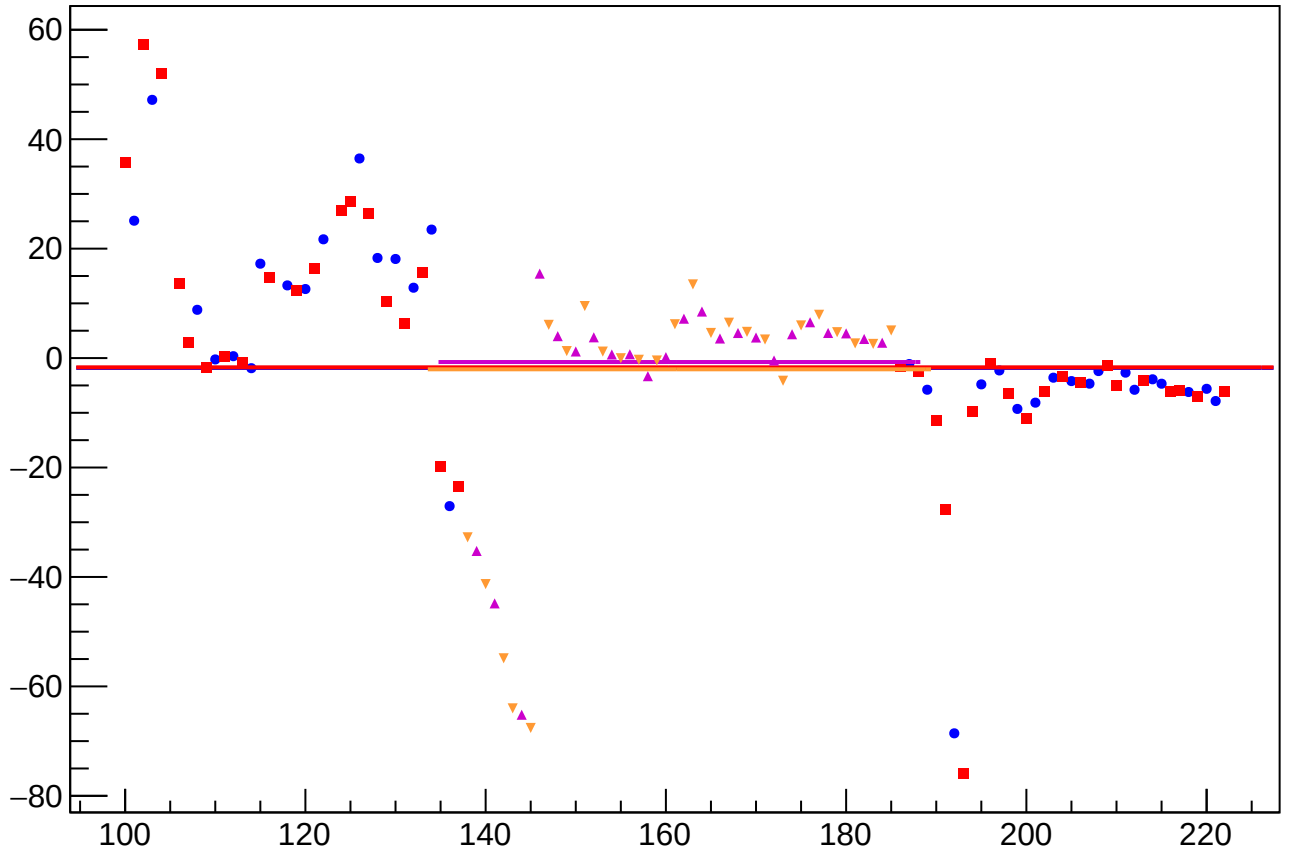
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.655+/-0.031 χ^2/NDF: 22729.3/71

In: 0.502+/-0.026 χ^2/NDF:14990.3/56

Out: 0.560+/-0.026 χ^2/NDF:21465.0/62

All: 0.530+/-0.019 χ^2/NDF: 36457.7/119



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: -1.695+/-0.034 χ^2/NDF: 118639.2/37

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

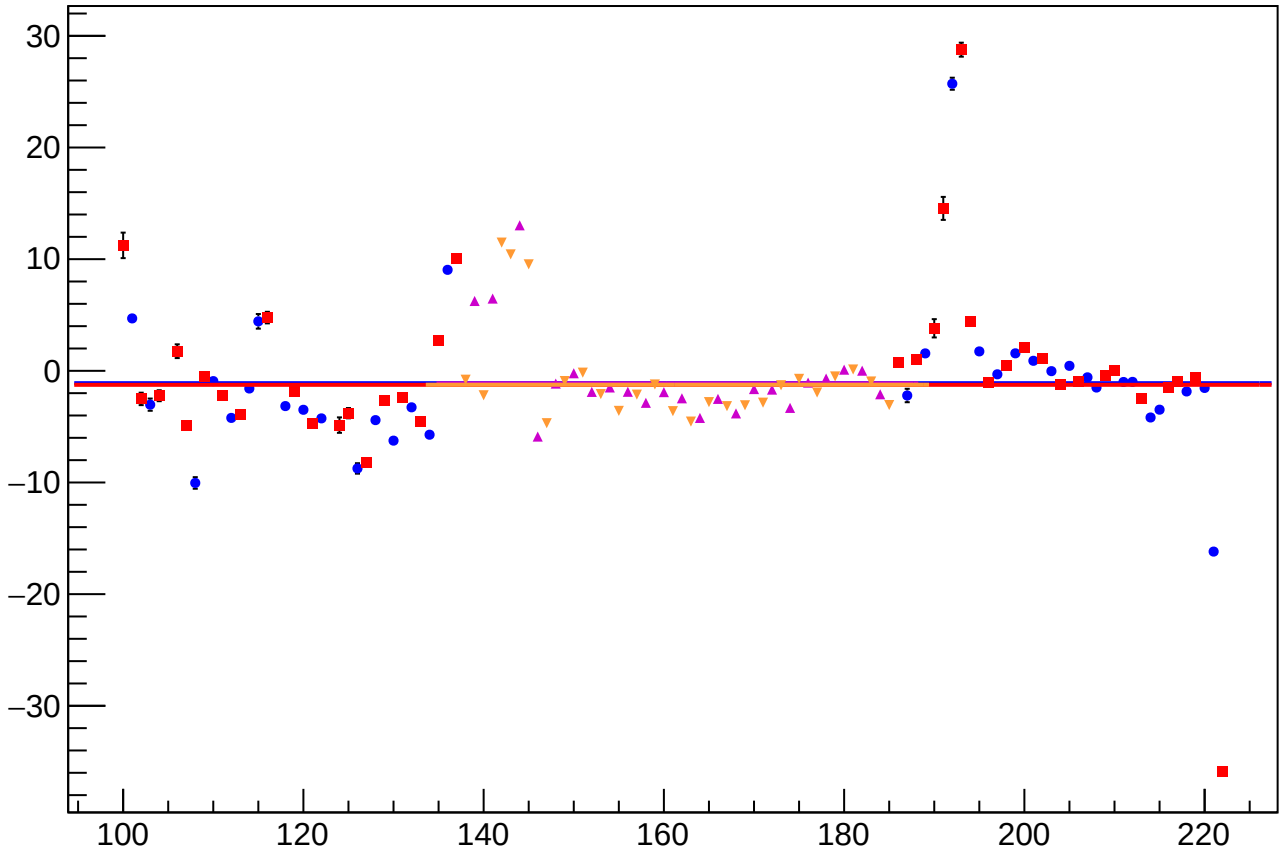
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.745+/-0.024 χ^2/NDF: 237064.0/71

In: -1.332+/-0.027 χ^2/NDF:244353.4/56

Out: -1.836+/-0.026 χ^2/NDF:284693.5/62

All: -1.590+/-0.019 χ^2/NDF: 529228.7/119



Right In: -1.106+/-0.051 χ^2/NDF: 8956.6/33

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.254+/-0.049 χ^2/NDF: 13592.5/37

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

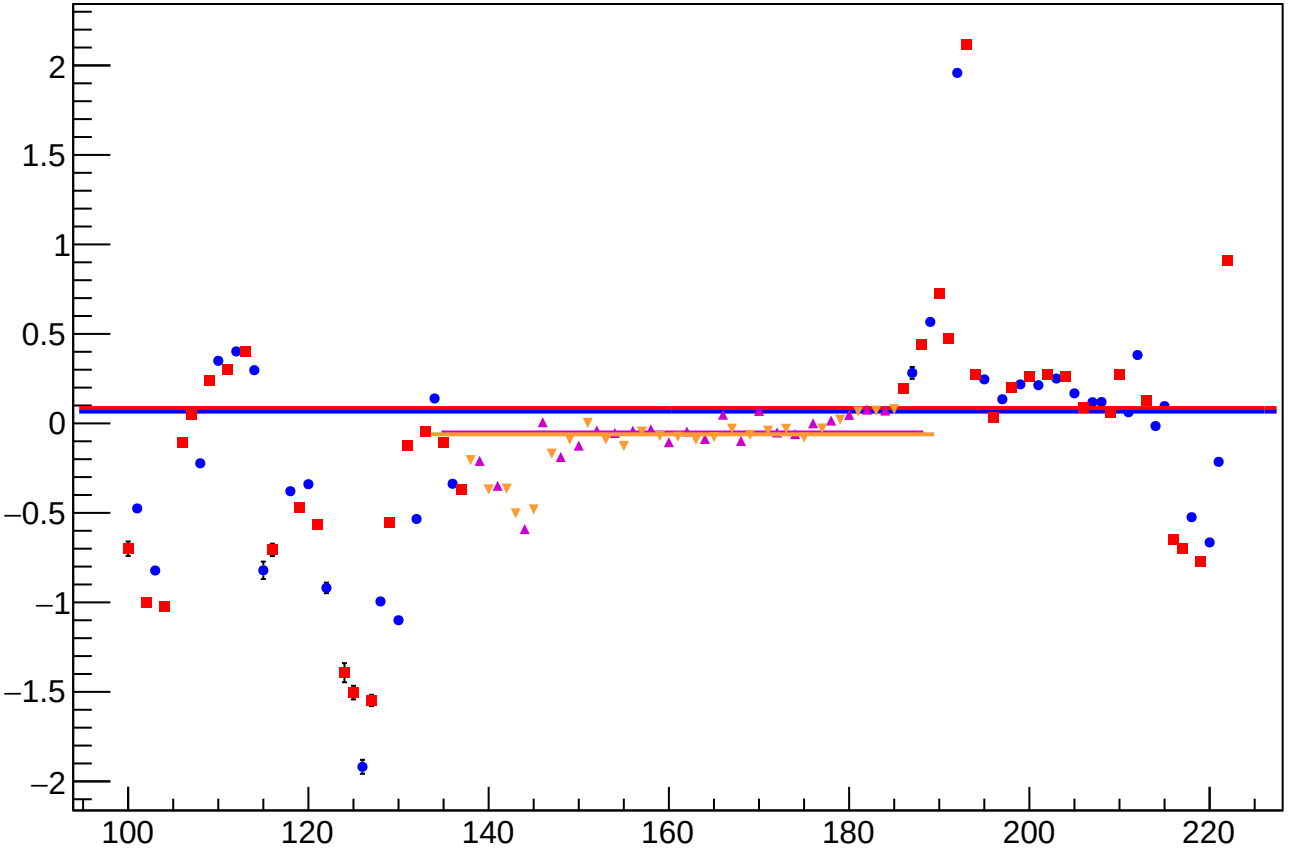
Right: -1.182+/-0.035 χ^2/NDF: 22553.5/71

In: -1.113+/-0.029 χ^2/NDF:15796.8/56

Out: -1.248+/-0.030 χ^2/NDF:20361.3/62

All: -1.179+/-0.021 χ^2/NDF: 36168.5/119

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.086+/-0.002 χ^2/NDF: 39037.9/37

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

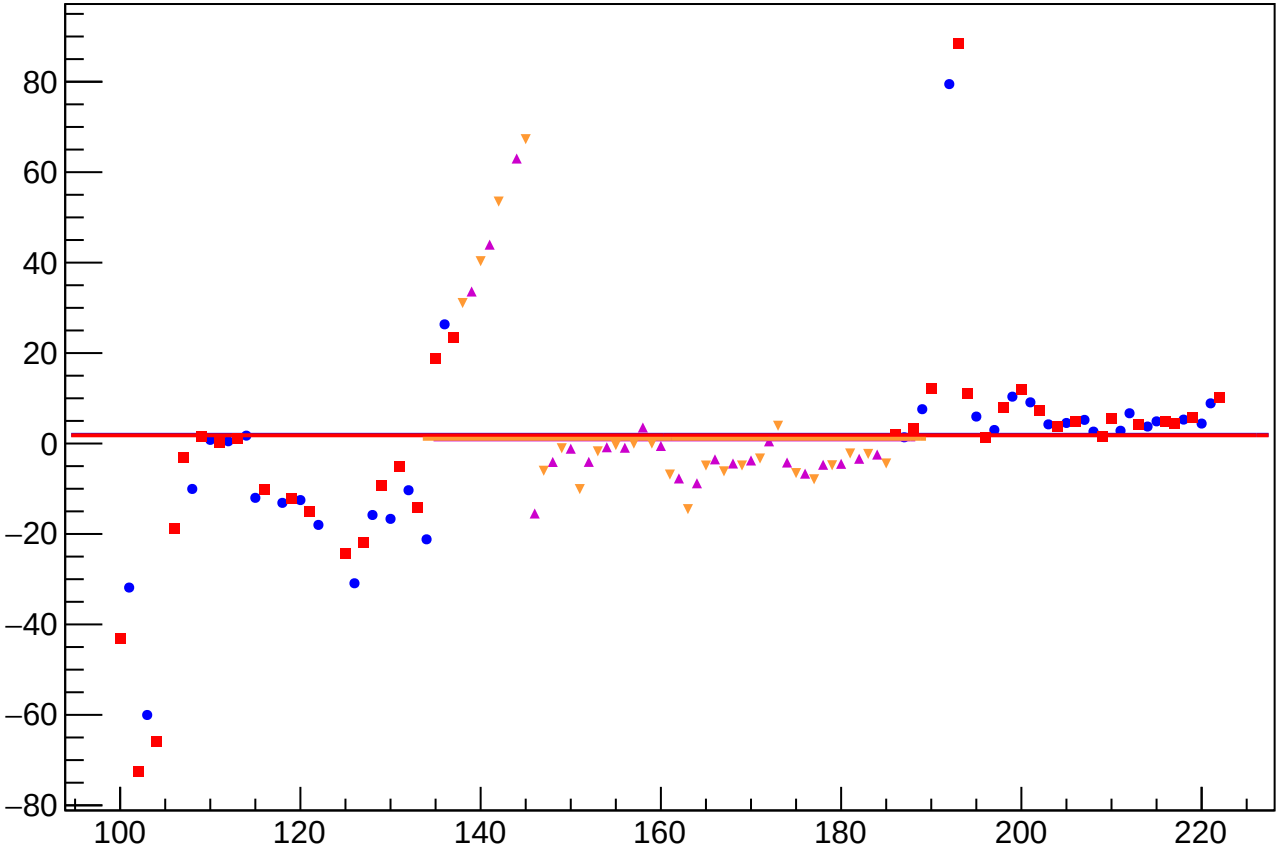
Right: 0.076+/-0.002 χ^2/NDF: 75066.5/71

In: -0.014+/-0.001 χ^2/NDF:42661.2/56

Out: -0.011+/-0.001 χ^2/NDF:47281.7/62

All: -0.013+/-0.001 χ^2/NDF: 89946.6/119

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.821+/-0.031 χ^2/NDF: 122207.0/35

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

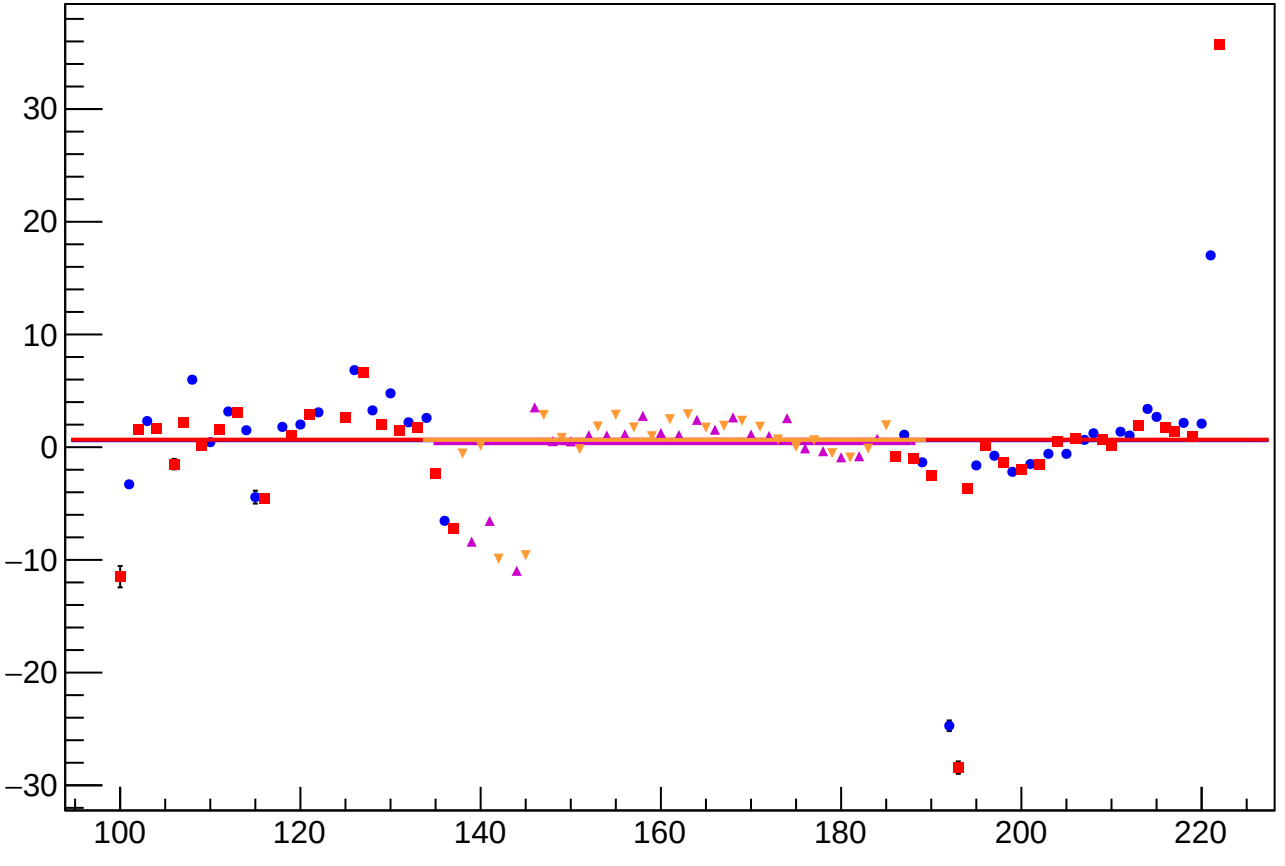
Right: 1.867+/-0.023 χ^2/NDF: 246261.7/69

In: 1.507+/-0.026 χ^2/NDF:257235.4/56

Out: 1.539+/-0.025 χ^2/NDF:253464.3/59

All: 1.524+/-0.018 χ^2/NDF: 510700.6/116

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: 0.668+/-0.042 χ^2/NDF: 14757.6/35

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

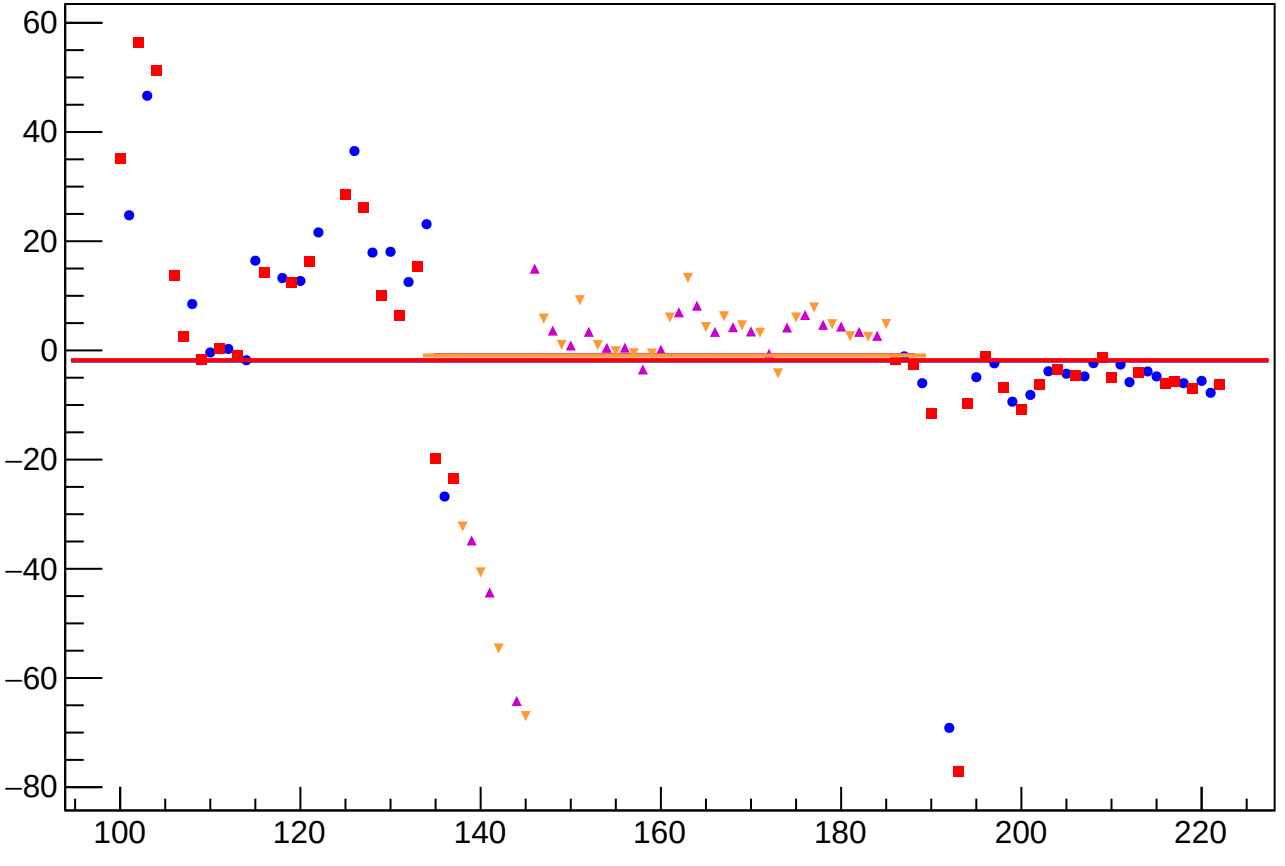
Right: 0.644+/-0.030 χ^2/NDF: 23193.6/69

In: 0.446+/-0.025 χ^2/NDF:15576.8/56

Out: 0.653+/-0.026 χ^2/NDF:19468.8/59

All: 0.547+/-0.018 χ^2/NDF: 35078.2/116

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.870+/-0.035 χ^2/NDF: 122085.3/33

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.787+/-0.033 χ^2/NDF: 119752.6/35

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

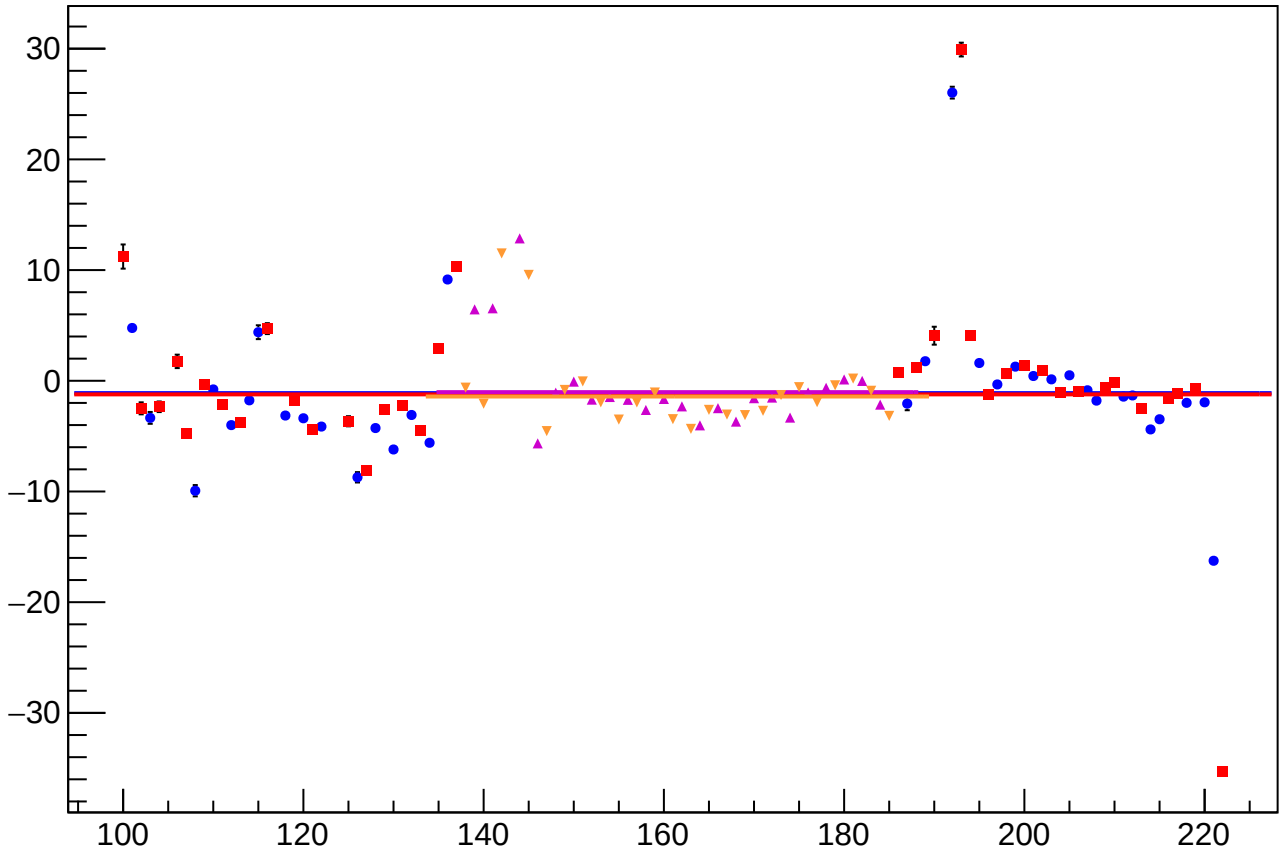
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.826+/-0.024 χ^2/NDF: 241841.0/69

In: -1.428+/-0.026 χ^2/NDF:251942.5/56

Out: -1.448+/-0.025 χ^2/NDF:246402.7/59

All: -1.438+/-0.018 χ^2/NDF: 498345.6/116



Right In: -1.115+/-0.049 χ^2/NDF: 9365.9/33

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -1.228+/-0.048 χ^2/NDF: 13702.0/35

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

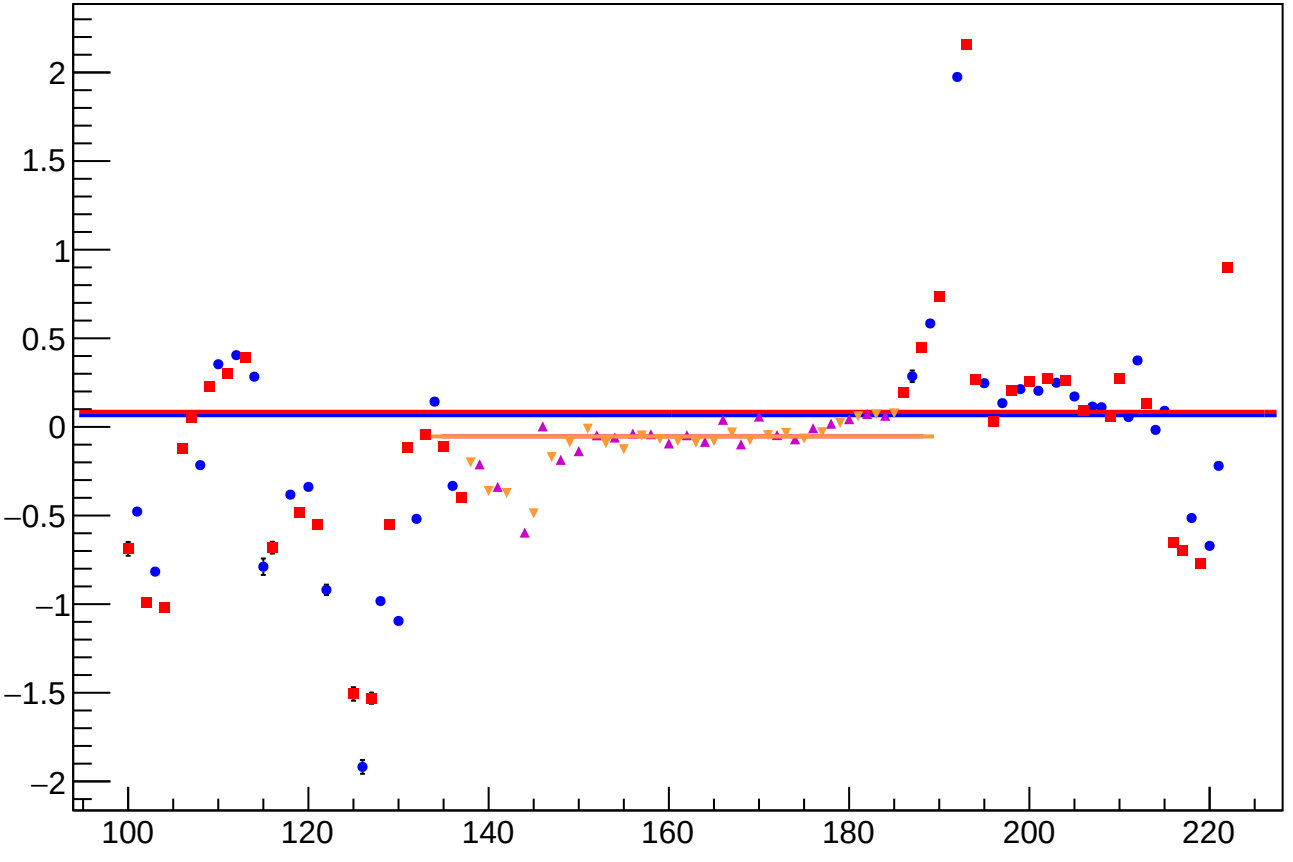
Right: -1.173+/-0.034 χ^2/NDF: 23070.6/69

In: -1.056+/-0.028 χ^2/NDF:16415.1/56

Out: -1.349+/-0.029 χ^2/NDF:18354.1/59

All: -1.199+/-0.020 χ^2/NDF: 34821.4/116

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: 0.085+/-0.002 χ^2/NDF: 39668.8/35

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

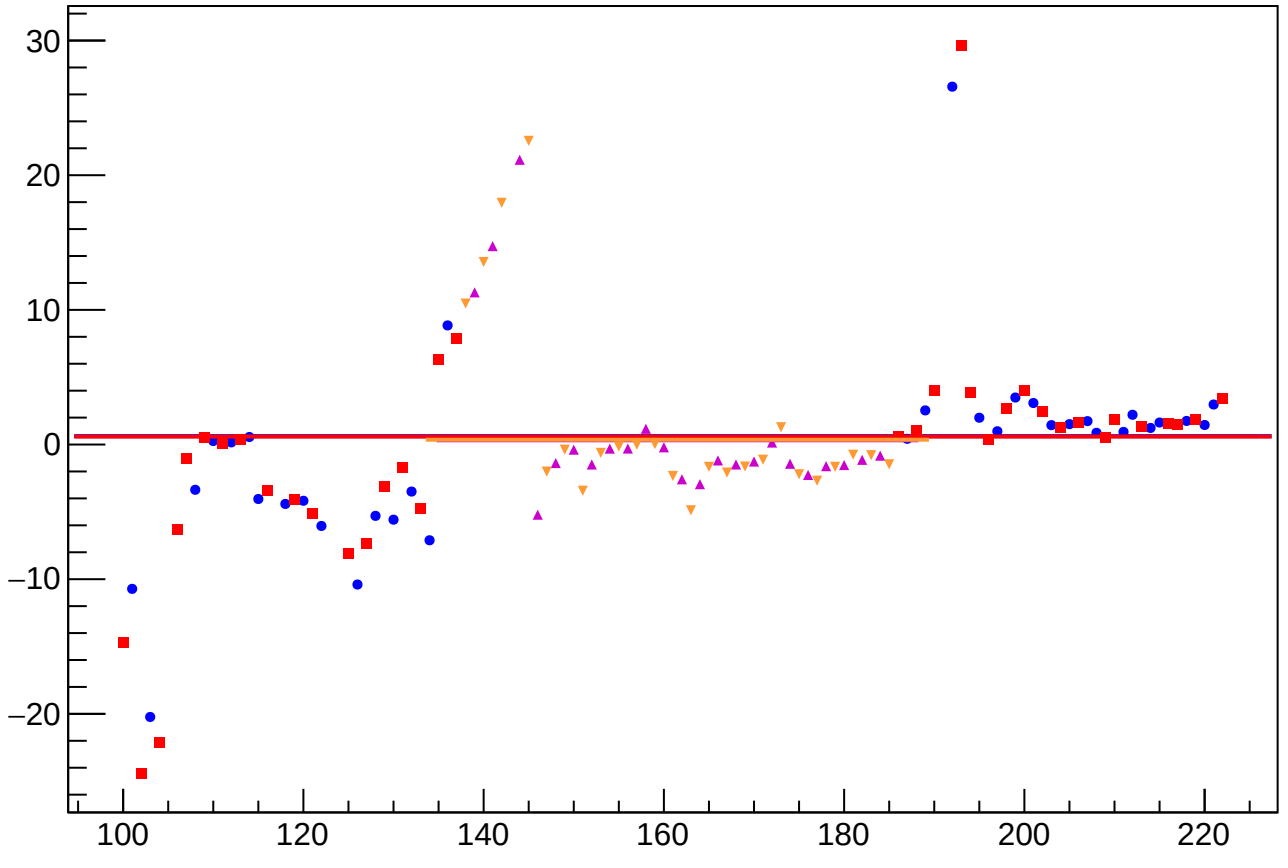
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.076+/-0.002 χ^2/NDF: 76920.5/69

In: -0.016+/-0.001 χ^2/NDF:44193.4/56

Out: -0.006+/-0.001 χ^2/NDF:46627.9/59

All: -0.011+/-0.001 χ^2/NDF: 90856.3/116



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: 0.592+/-0.011 χ^2/NDF: 120233.3/35

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

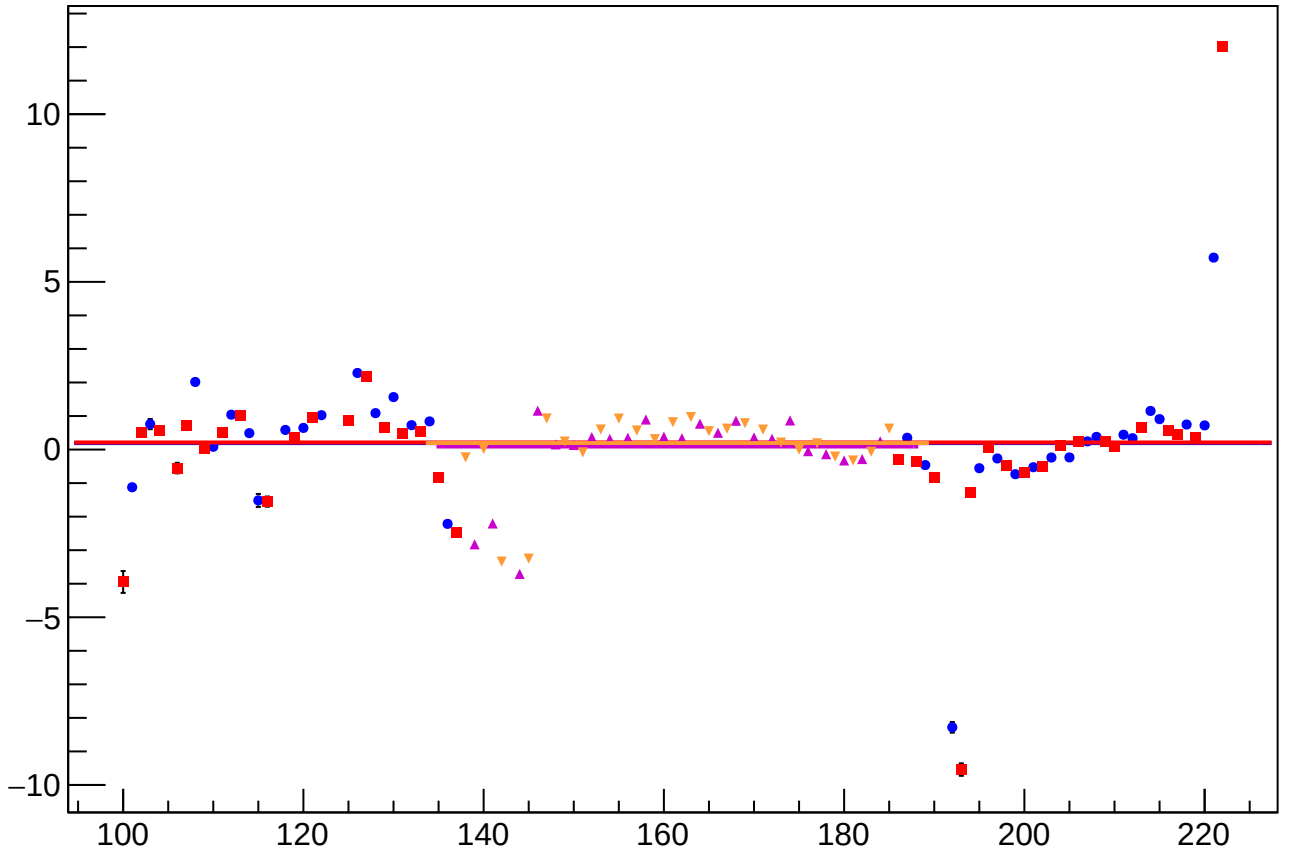
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.606+/-0.008 χ^2/NDF: 242139.6/69

In: 0.497+/-0.009 χ^2/NDF:252420.9/56

Out: 0.506+/-0.008 χ^2/NDF:249241.3/59

All: 0.502+/-0.006 χ^2/NDF: 501662.8/116



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: 0.212+/-0.014 χ^2/NDF: 14563.7/35

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

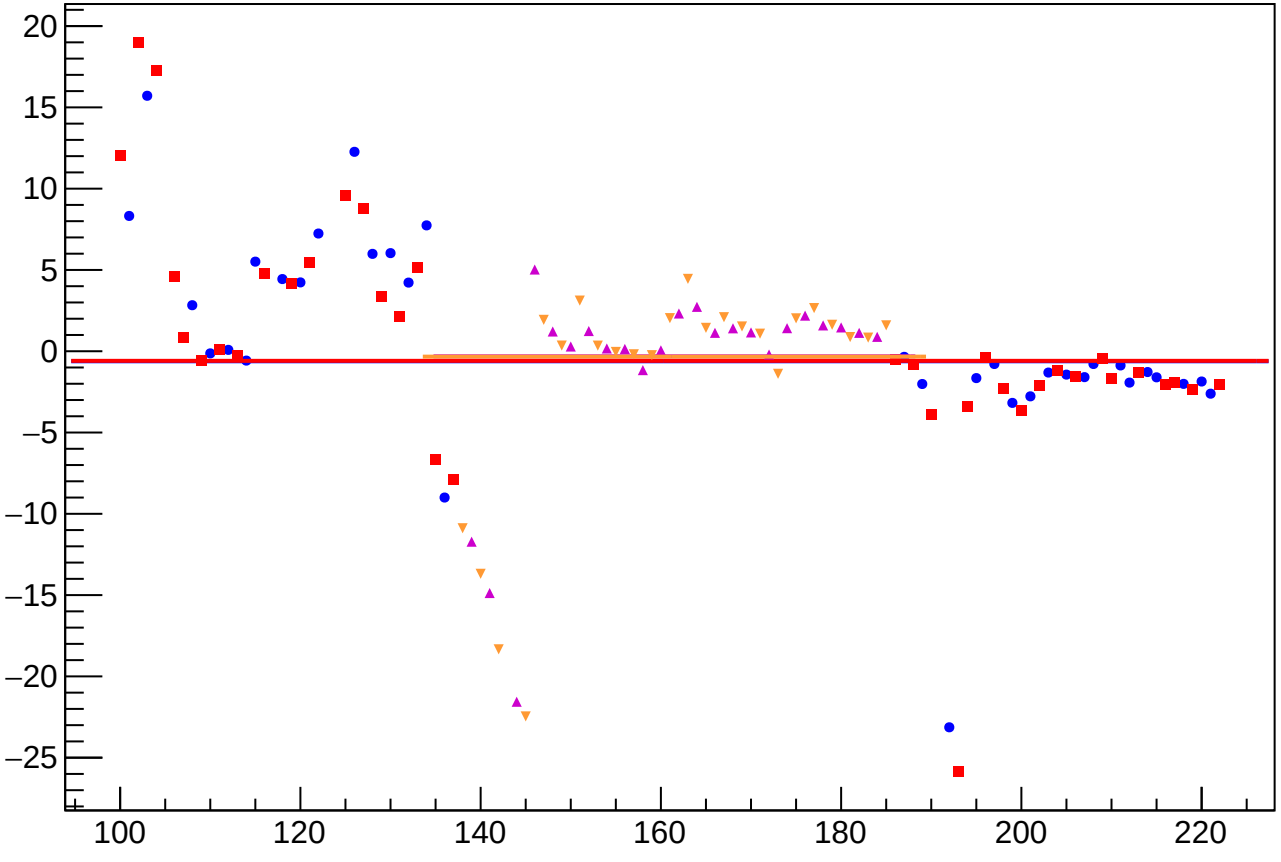
Right: 0.203+/-0.010 χ^2/NDF: 22863.4/69

In: 0.126+/-0.009 χ^2/NDF:15266.3/56

Out: 0.201+/-0.009 χ^2/NDF:19209.6/59

All: 0.163+/-0.006 χ^2/NDF: 34512.3/116

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: -0.591+/-0.011 χ^2/NDF: 117866.3/35

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

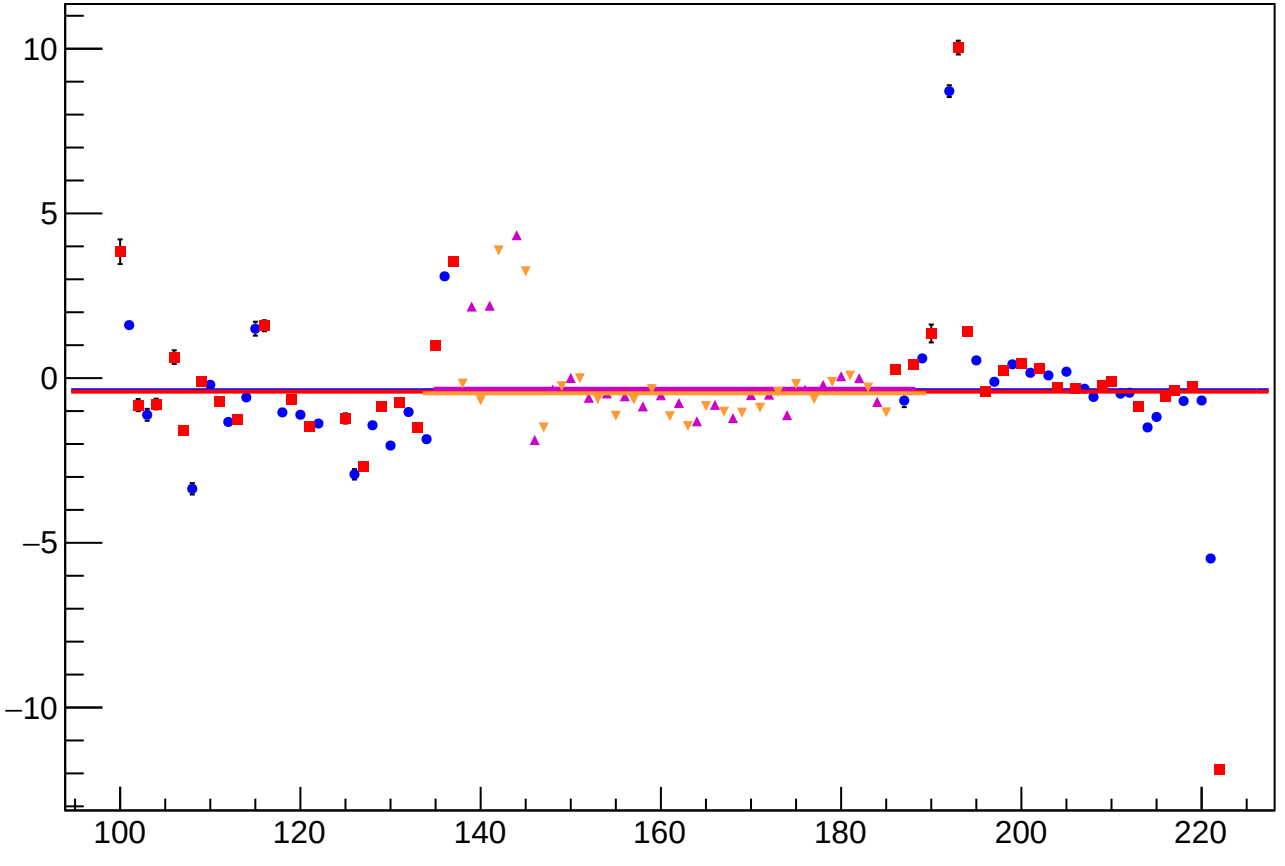
Right: -0.603+/-0.008 χ^2/NDF: 237868.1/69

In: -0.485+/-0.009 χ^2/NDF:247285.5/56

Out: -0.489+/-0.009 χ^2/NDF:242310.0/59

All: -0.487+/-0.006 χ^2/NDF: 489595.6/116

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: -0.410+/-0.016 χ^2/NDF: 13519.8/35

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

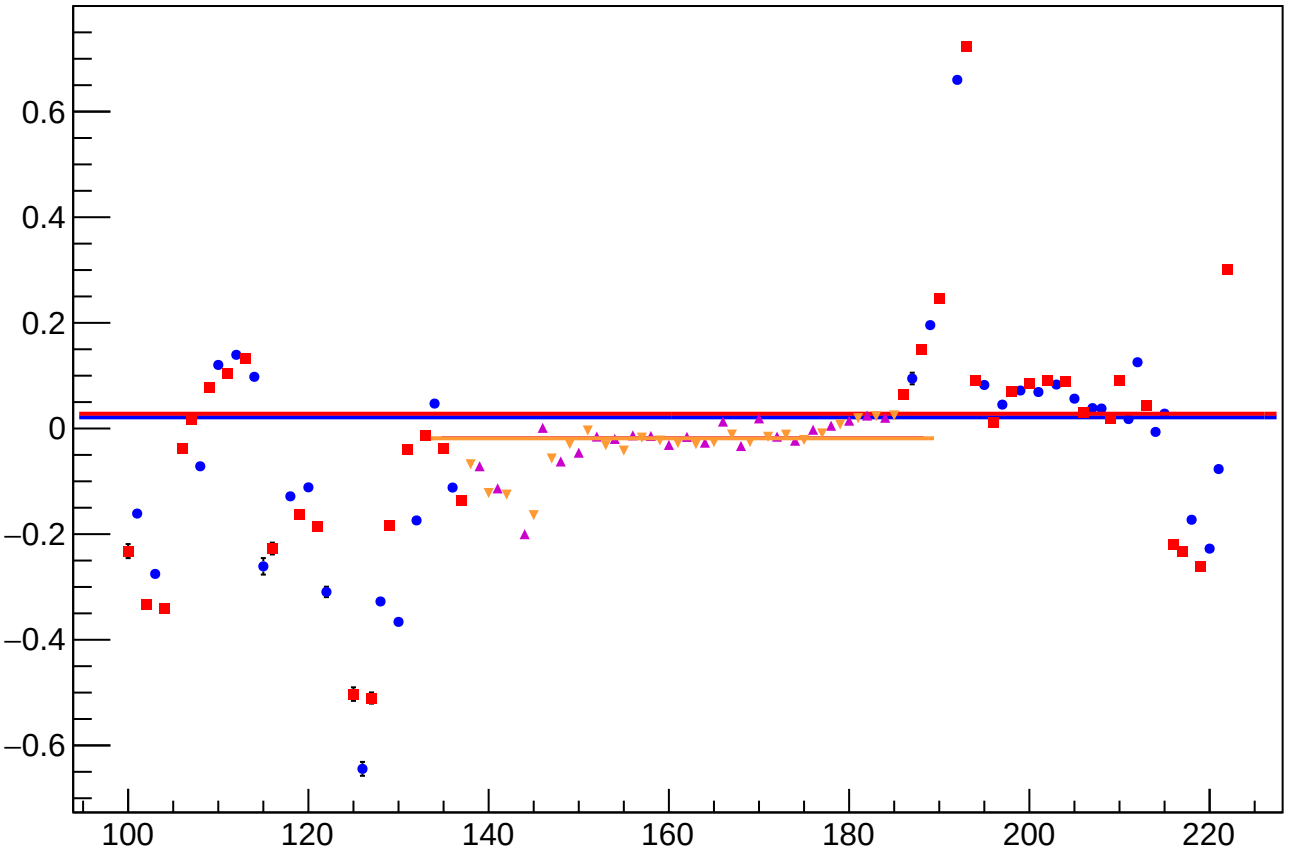
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.389+/-0.012 χ^2/NDF: 22728.0/69

In: -0.338+/-0.010 χ^2/NDF:16091.2/56

Out: -0.442+/-0.010 χ^2/NDF:18106.1/59

All: -0.389+/-0.007 χ^2/NDF: 34254.1/116



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: 0.028+/-0.001 χ^2/NDF: 38889.8/35

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

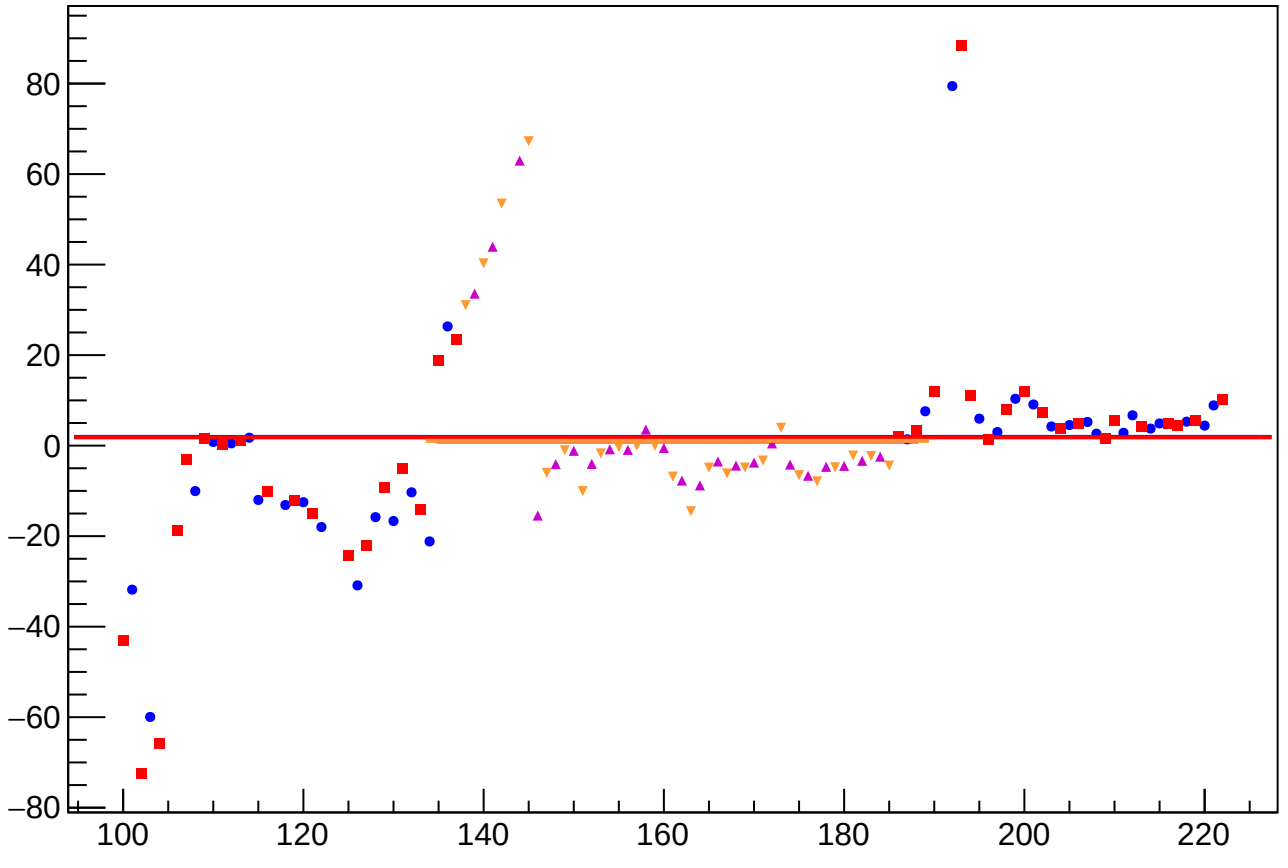
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.025+/-0.001 χ^2/NDF: 75496.7/69

In: -0.006+/-0.000 χ^2/NDF:43257.5/56

Out: -0.003+/-0.000 χ^2/NDF:45608.4/59

All: -0.004+/-0.000 χ^2/NDF: 88894.6/116



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: 1.825+/-0.031 χ^2/NDF: 122237.6/35

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

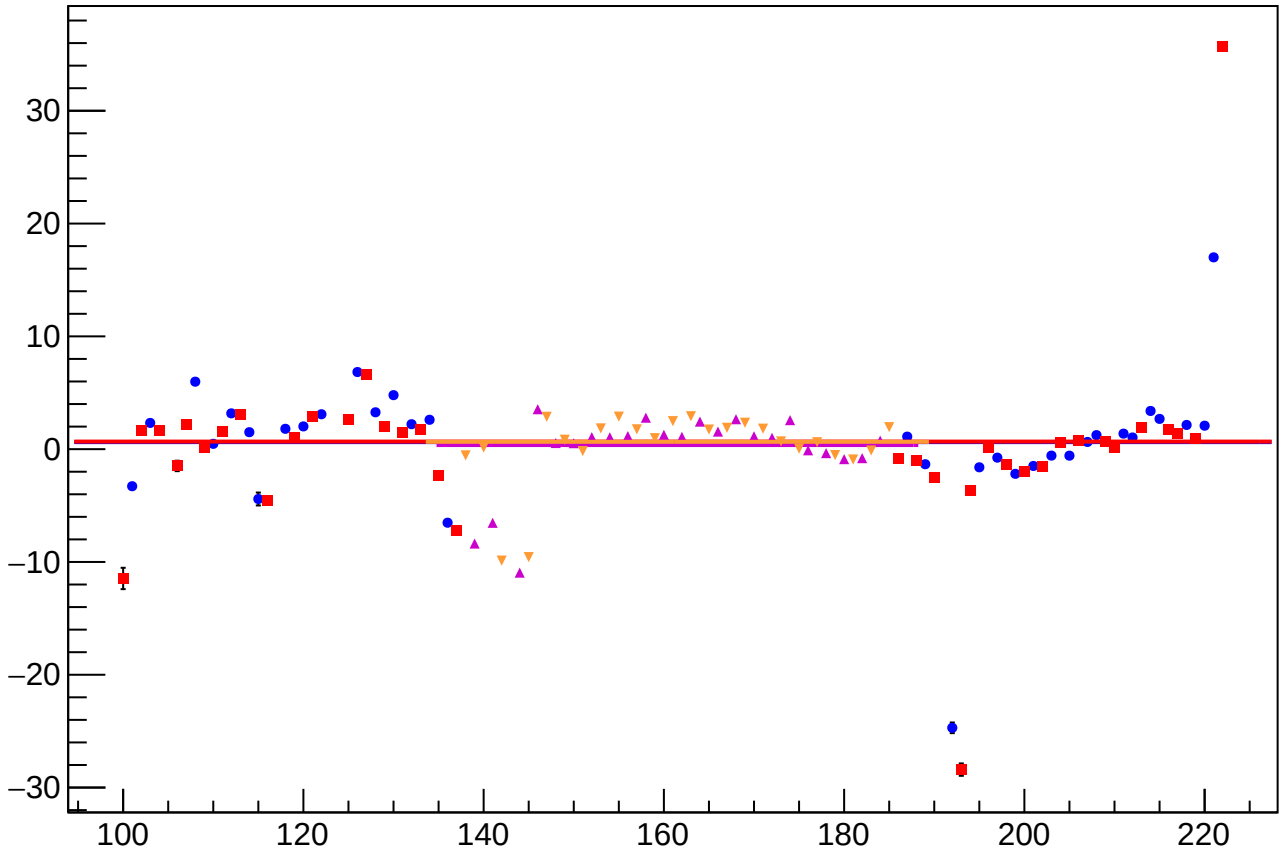
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: 1.872+/-0.023 χ^2/NDF: 246320.2/69

In: 1.511+/-0.025 χ^2/NDF:257274.4/56

Out: 1.544+/-0.025 χ^2/NDF:253475.3/59

All: 1.528+/-0.018 χ^2/NDF: 510750.5/116



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: 0.672+/-0.041 χ^2/NDF: 14755.7/35

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

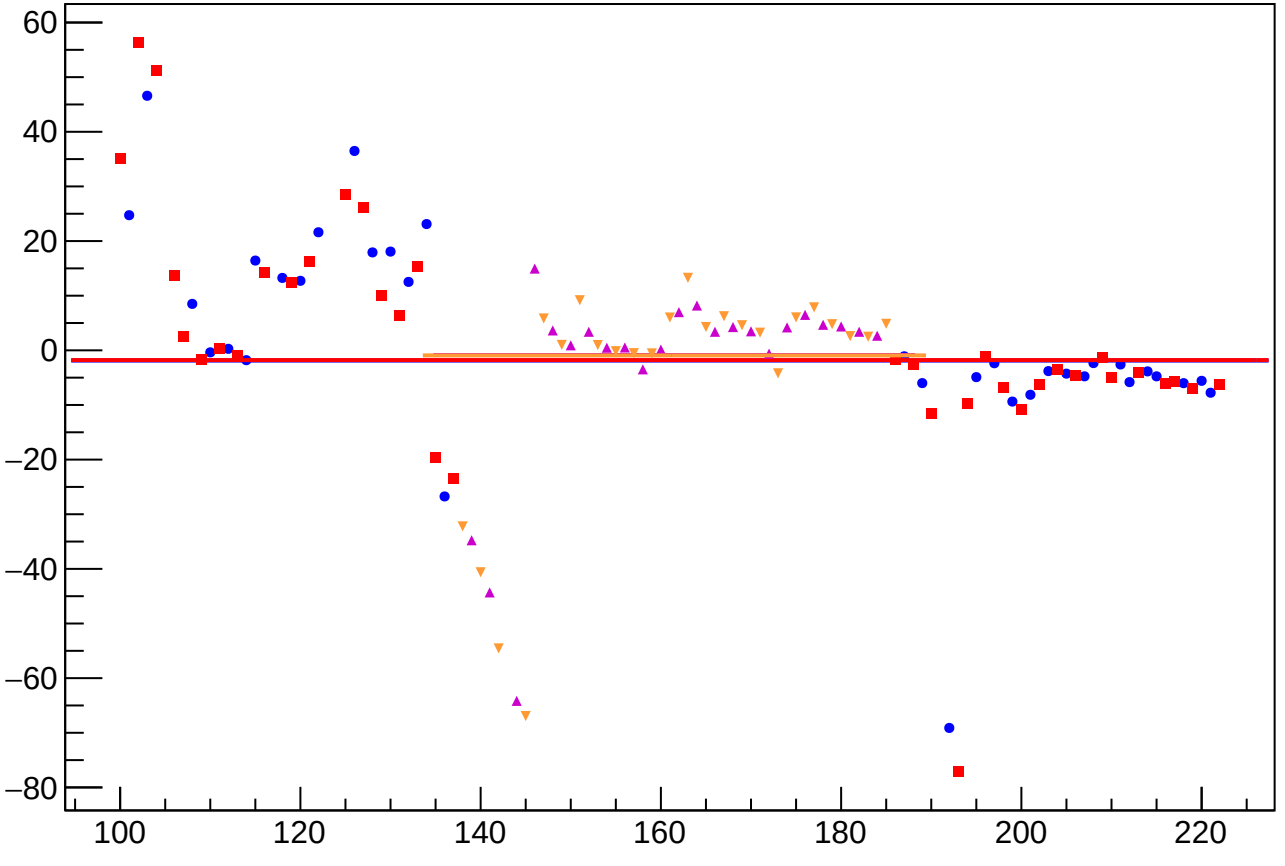
Right: 0.649+/-0.030 χ^2/NDF: 23191.5/69

In: 0.454+/-0.025 χ^2/NDF:15581.5/56

Out: 0.660+/-0.026 χ^2/NDF:19464.7/59

All: 0.555+/-0.018 χ^2/NDF: 35078.3/116

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.870+/-0.035 χ^2/NDF: 122108.8/33

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.788+/-0.033 χ^2/NDF: 119776.3/35

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

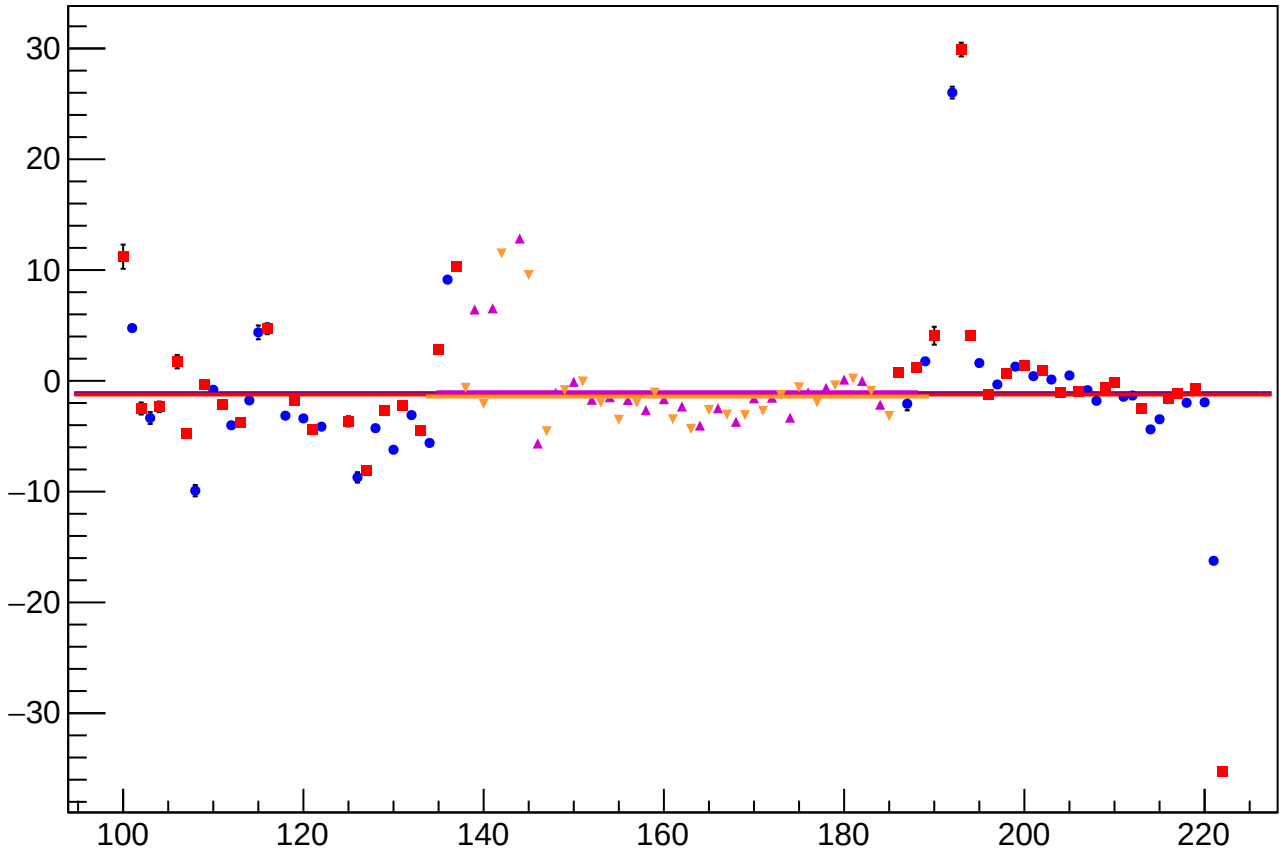
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.826+/-0.024 χ^2/NDF: 241888.1/69

In: -1.427+/-0.026 χ^2/NDF:251974.7/56

Out: -1.448+/-0.025 χ^2/NDF:246409.5/59

All: -1.438+/-0.018 χ^2/NDF: 498384.5/116



Right In: -1.118+/-0.049 χ^2/NDF: 9365.4/33

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -1.229+/-0.048 χ^2/NDF: 13699.2/35

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

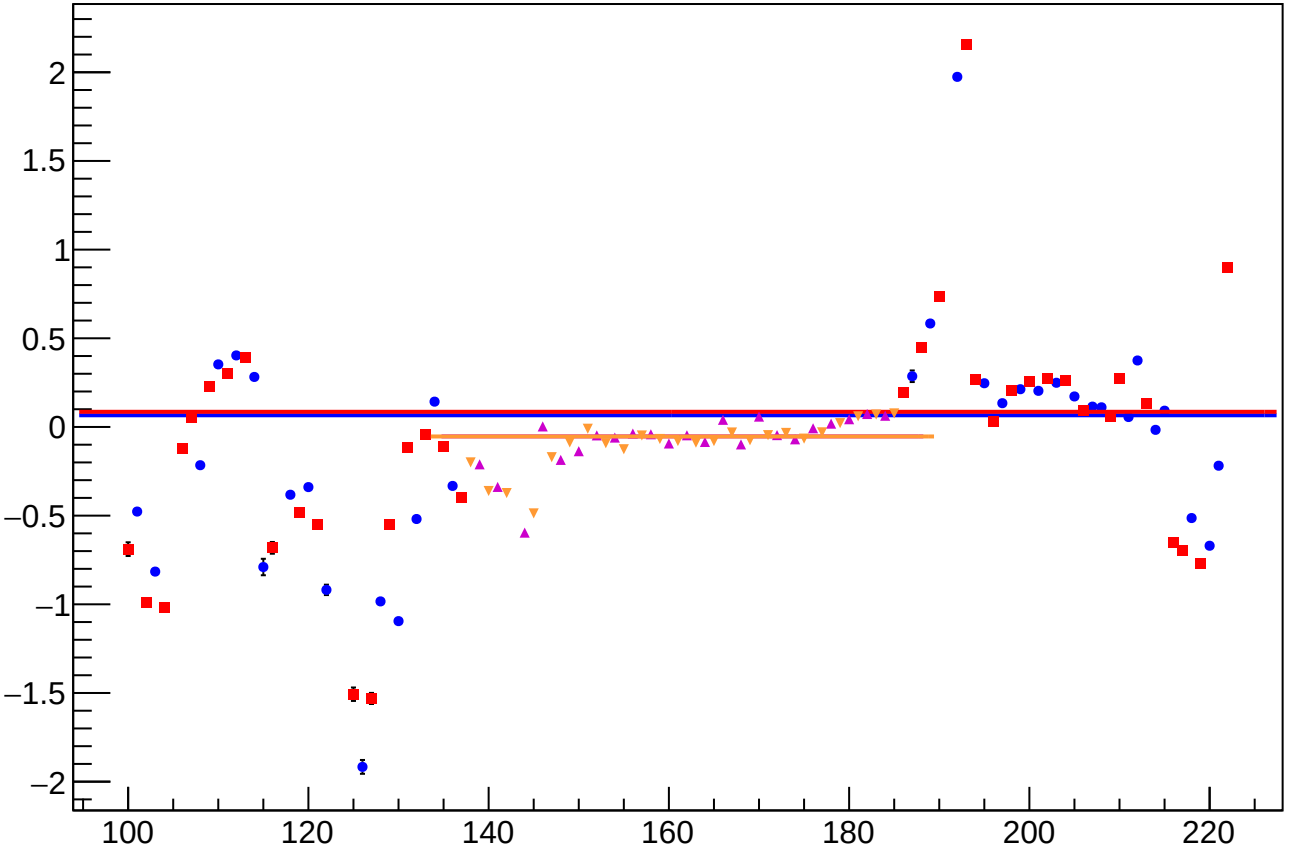
Right: -1.175+/-0.034 χ^2/NDF: 23067.2/69

In: -1.061+/-0.028 χ^2/NDF:16418.7/56

Out: -1.352+/-0.029 χ^2/NDF:18349.3/59

All: -1.203+/-0.020 χ^2/NDF: 34819.6/116

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: 0.086+/-0.002 χ^2/NDF: 39689.7/35

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

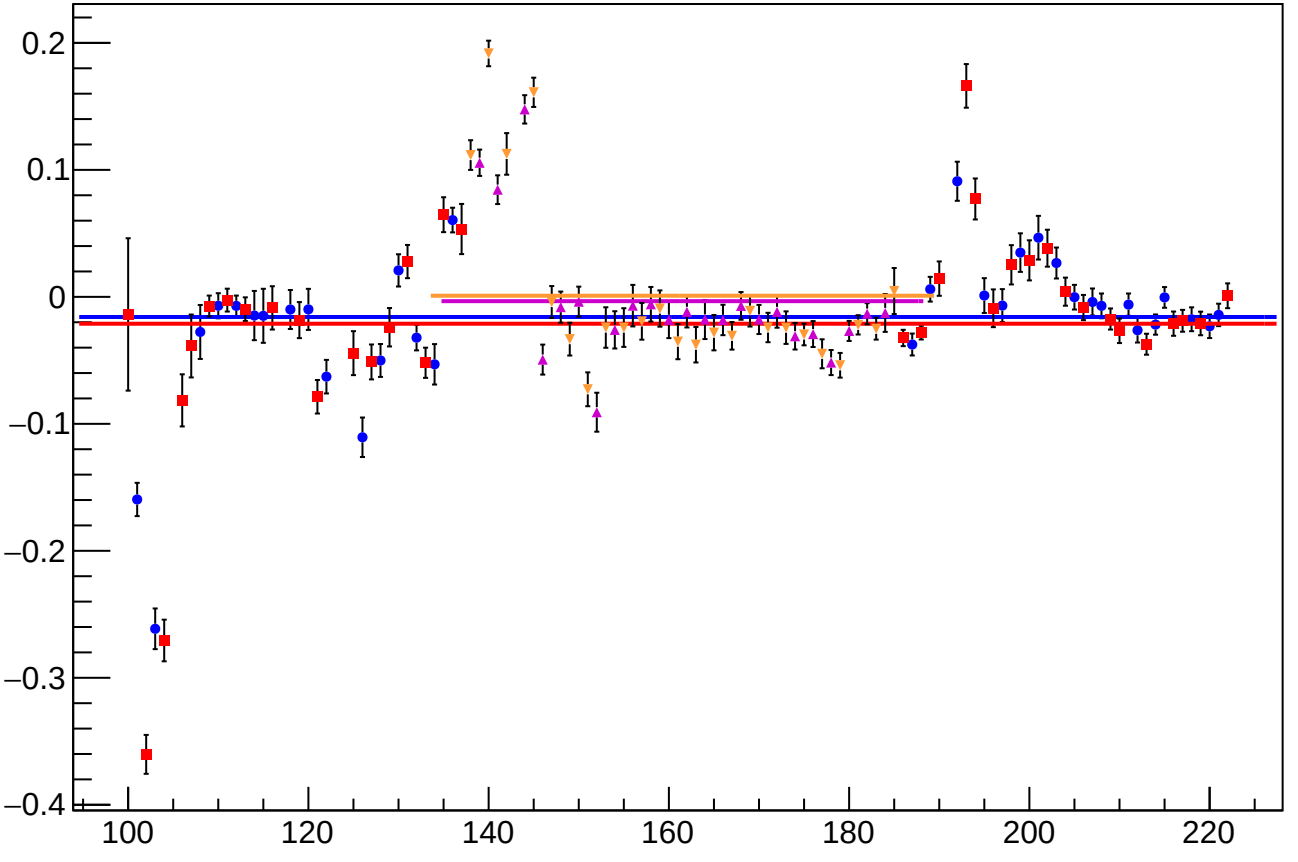
Right: 0.076+/-0.002 χ^2/NDF: 76949.5/69

In: -0.016+/-0.001 χ^2/NDF:44210.4/56

Out: -0.006+/-0.001 χ^2/NDF:46651.8/59

All: -0.011+/-0.001 χ^2/NDF: 90897.6/116

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: -0.021+/-0.002 χ^2/NDF: 1060.1/35

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

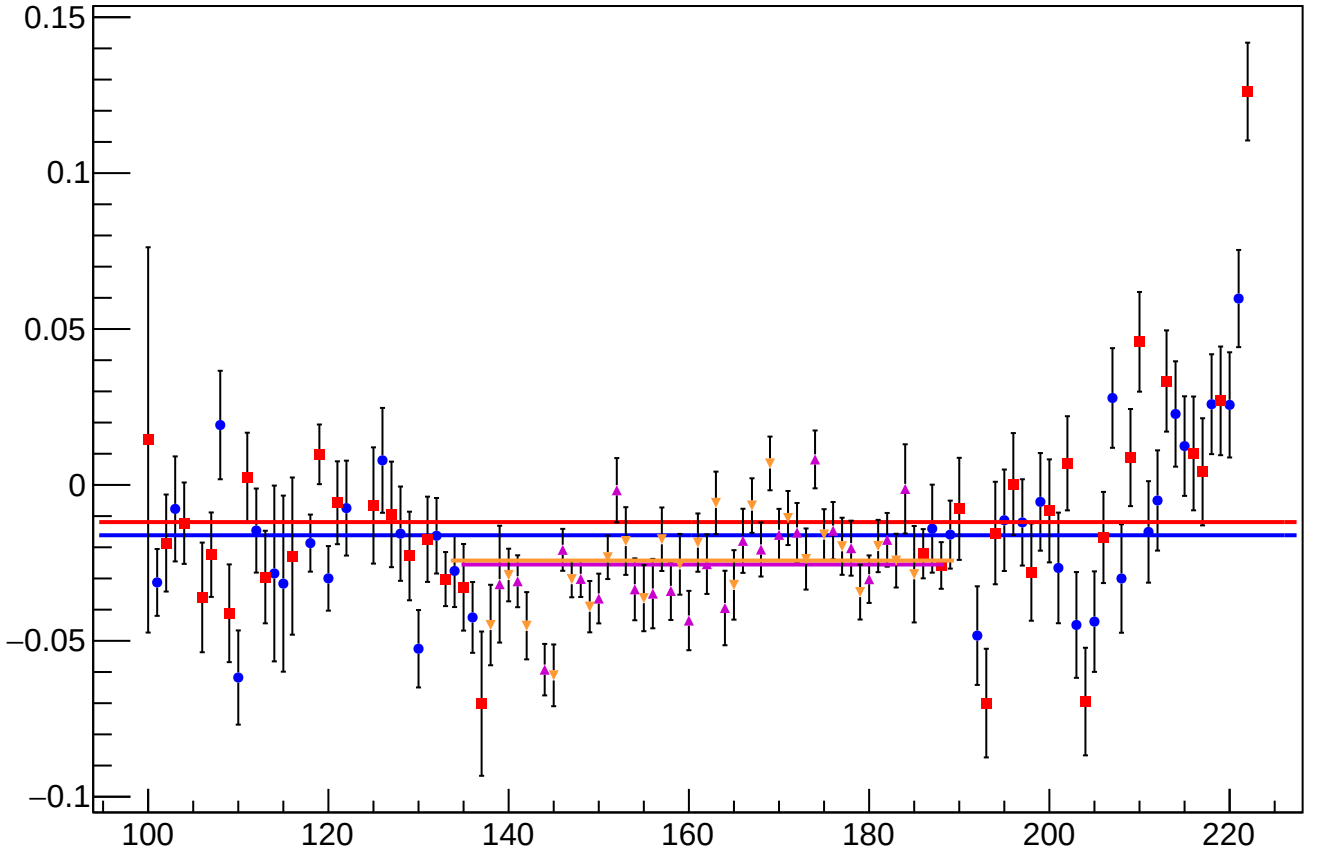
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.001 χ^2/NDF: 1666.9/69

In: -0.011+/-0.002 χ^2/NDF:1077.2/56

Out: -0.013+/-0.001 χ^2/NDF:1963.0/59

All: -0.012+/-0.001 χ^2/NDF: 3041.0/116



Right In: -0.016+/-0.002 χ^2/NDF: 100.1/33

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.012+/-0.002 χ^2/NDF: 166.5/35

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

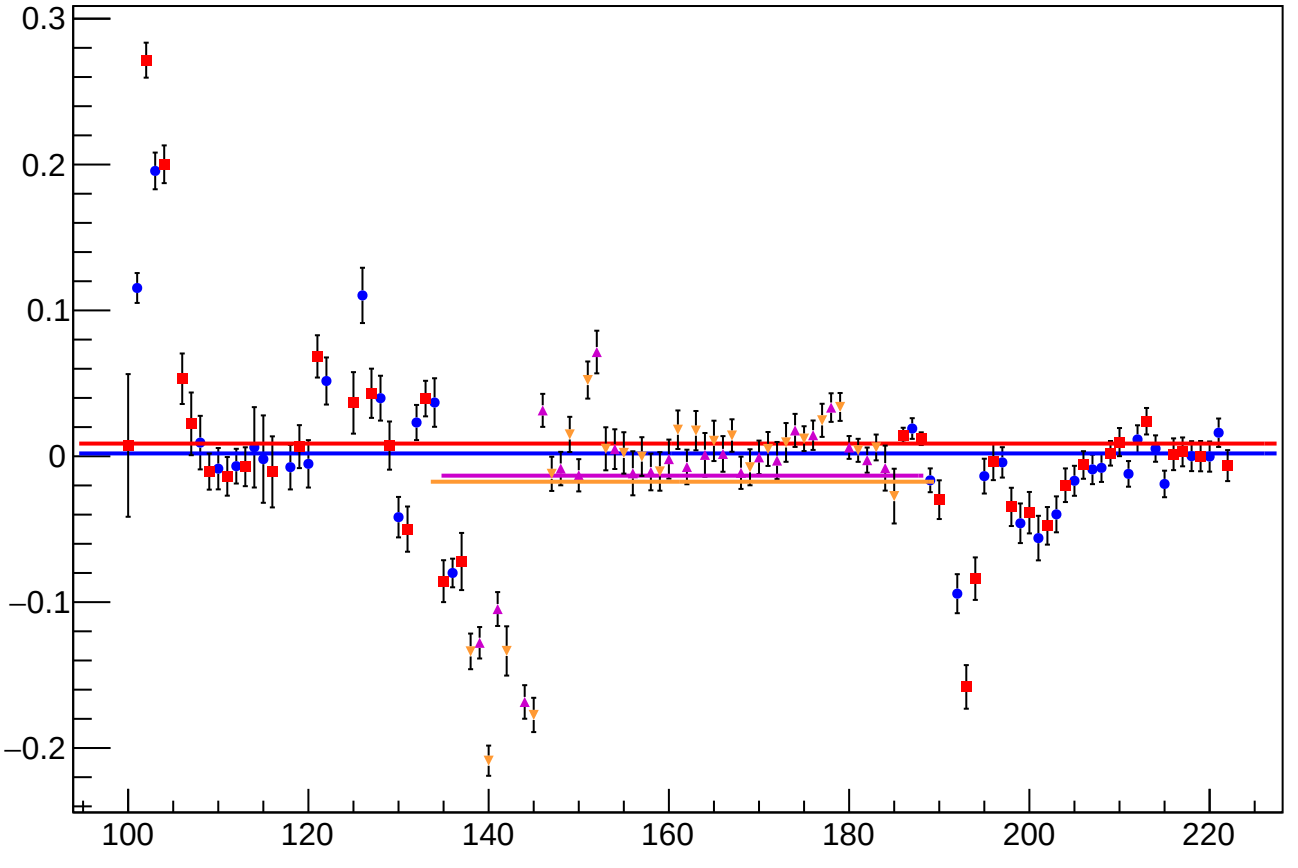
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.014+/-0.002 χ^2/NDF: 268.1/69

In: -0.022+/-0.001 χ^2/NDF:164.4/56

Out: -0.020+/-0.001 χ^2/NDF:237.2/59

All: -0.021+/-0.001 χ^2/NDF: 403.2/116



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: 1050.3/35

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

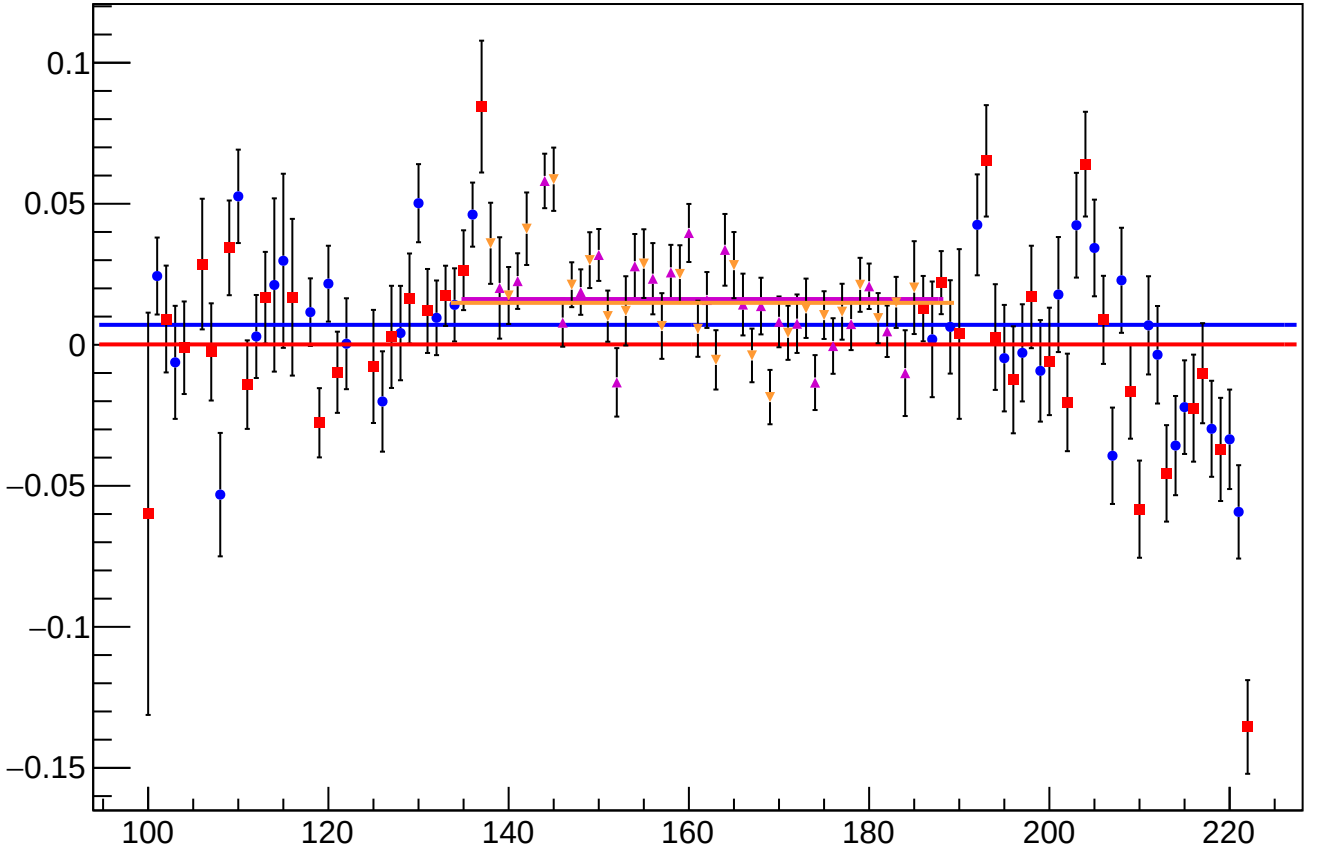
Right: 0.006+/-0.001 χ^2/NDF: 1673.1/69

In: -0.004+/-0.002 χ^2/NDF:1099.3/56

Out: -0.001+/-0.001 χ^2/NDF:1938.1/59

All: -0.003+/-0.001 χ^2/NDF: 3039.7/116

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.003 χ^2/NDF: 99.2/33

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.000+/-0.003 χ^2/NDF: 158.5/35

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

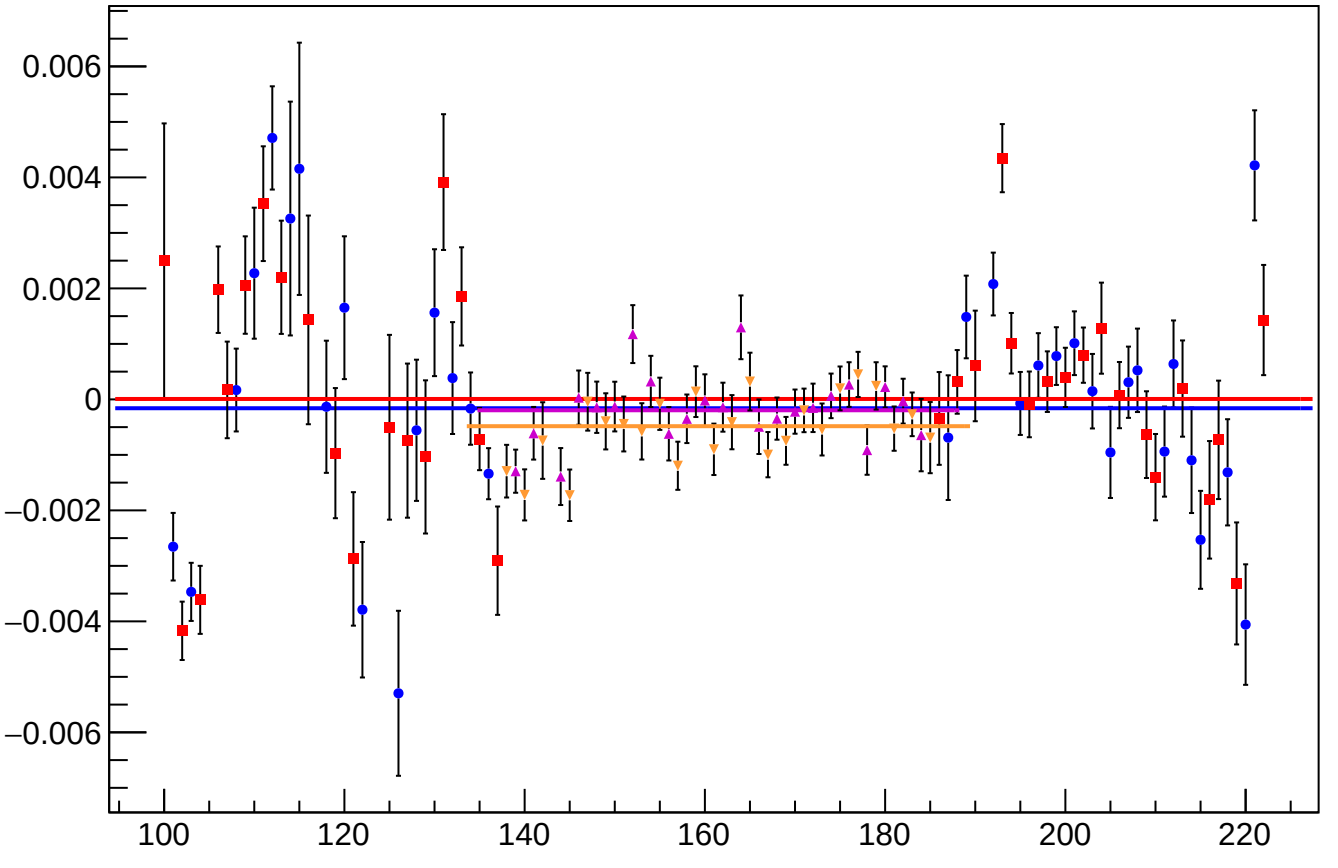
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.004+/-0.002 χ^2/NDF: 260.8/69

In: 0.013+/-0.002 χ^2/NDF:164.0/56

Out: 0.010+/-0.002 χ^2/NDF:228.5/59

All: 0.011+/-0.001 χ^2/NDF: 394.6/116



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: 238.8/35

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

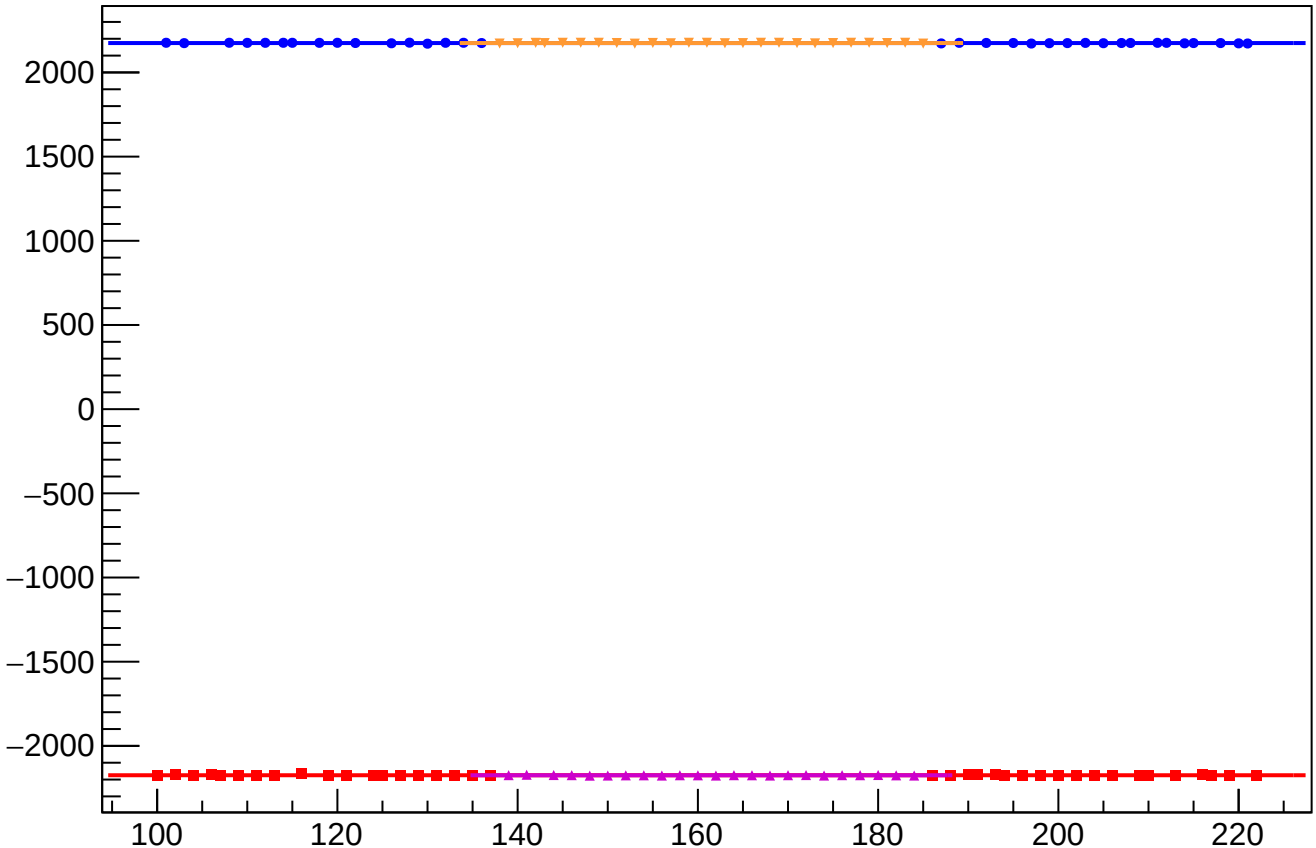
Right: -0.000+/-0.000 χ^2/NDF: 442.8/69

In: -0.000+/-0.000 χ^2/NDF:240.5/56

Out: -0.000+/-0.000 χ^2/NDF:289.1/59

All: -0.000+/-0.000 χ^2/NDF: 531.0/116

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.551+/-0.000 χ^2/NDF: 4783063944890814488807656342421504.0/33

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517712.0/24

Right Out: -2174.394+/-0.000 χ^2/NDF: 126929870333667953715382490434 10944.0/37

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

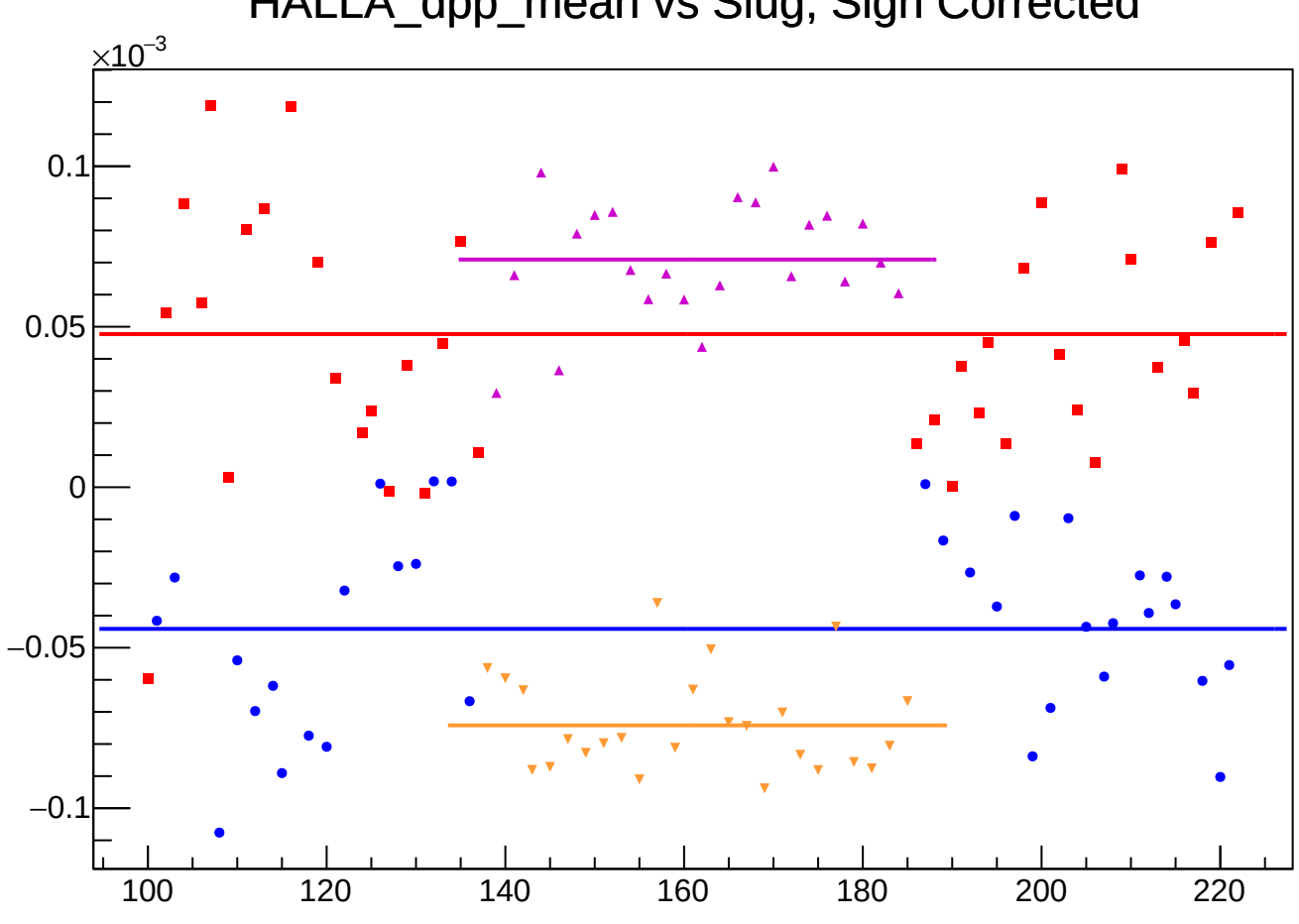
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -15.634+/-0.000 χ^2/NDF: 215931782413437

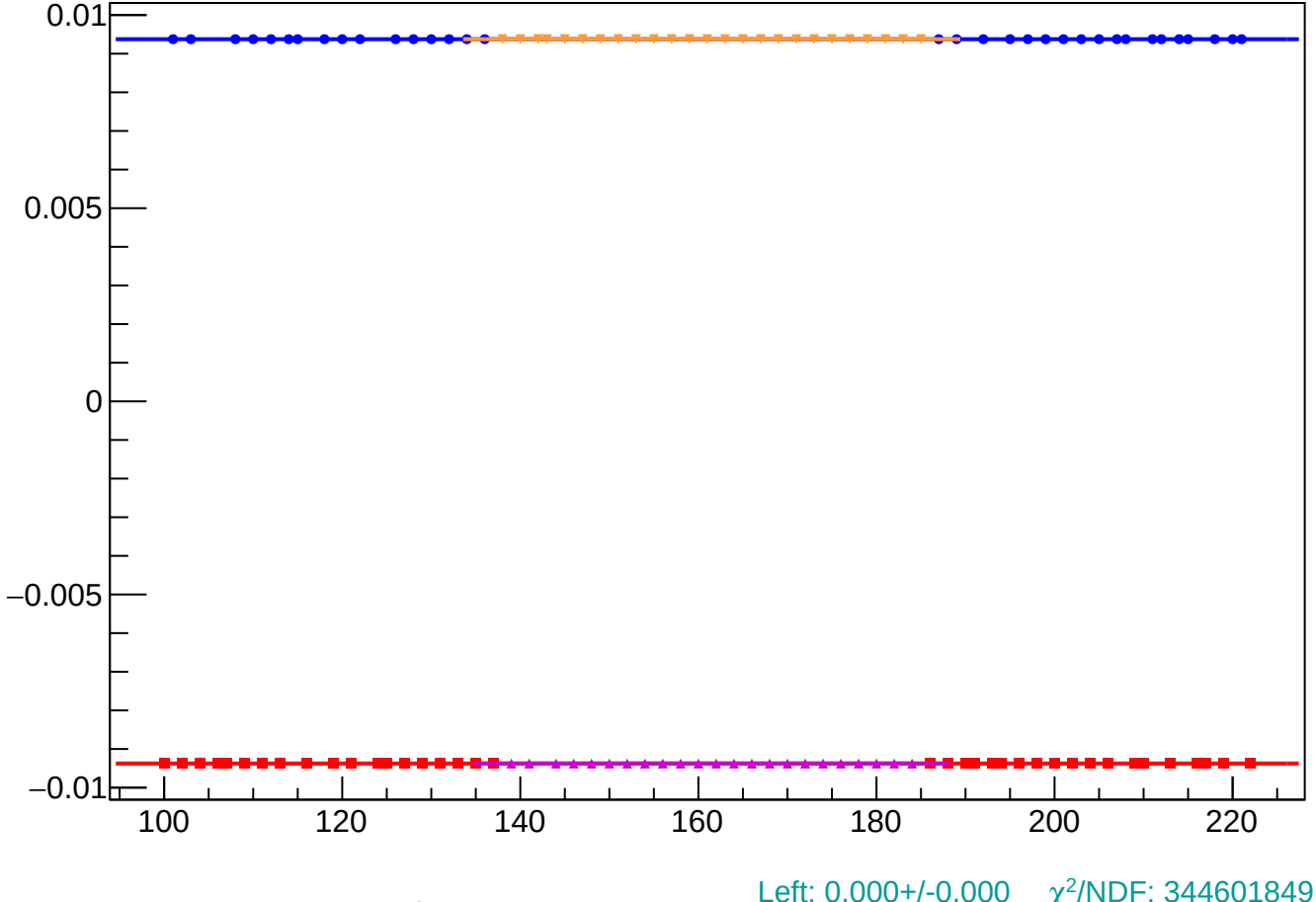
In: 188.107+/-0.000 χ^2/NDF:19585278212494517

Out: -141.889+/-0.000 χ^2/NDF:203307268224066

All: 20.291+/-0.000 χ^2/NDF: 4014710022532


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: 22961114117014673120296960.0/37
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: 1346855625320029
In: 0.000+/-0.000 χ²/NDF:158836348297797471
Out: -0.000+/-0.000 χ²/NDF:18738212704057160
All: -0.000+/-0.000 χ²/NDF: 3528567228017

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.4/37

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

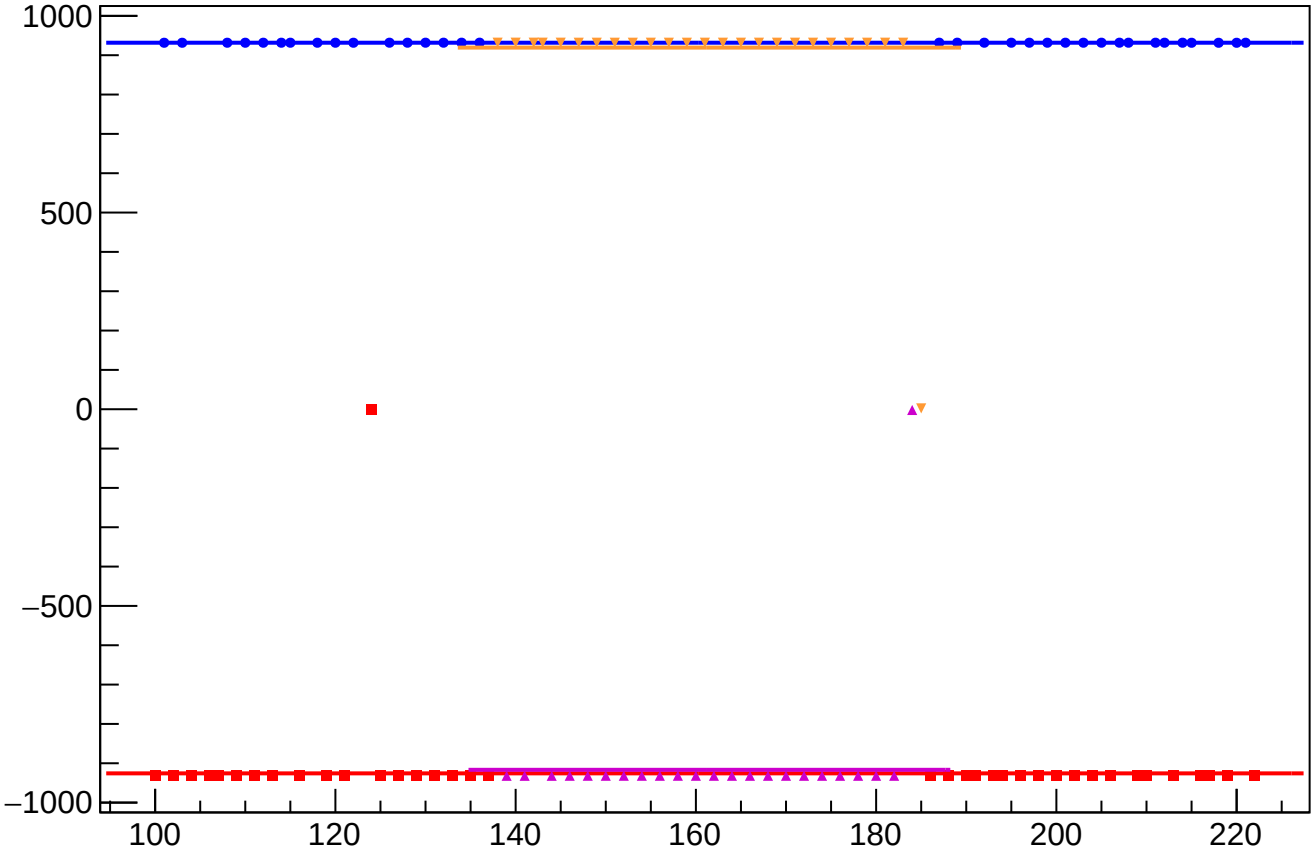
Right: -0.000+/-0.000 χ^2/NDF: 4013755268775990

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:37789304944418603

All: 0.000+/-0.000 χ^2/NDF: 7462146960752

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

Right In: 931.757+/-0.000 χ^2/NDF: 888105092782545998310565688115 2.0/33

Right: -3.675+/-0.000 χ^2/NDF: 3951869546597202

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

In: 87.503+/-0.000 χ^2/NDF:3564087197793173 90

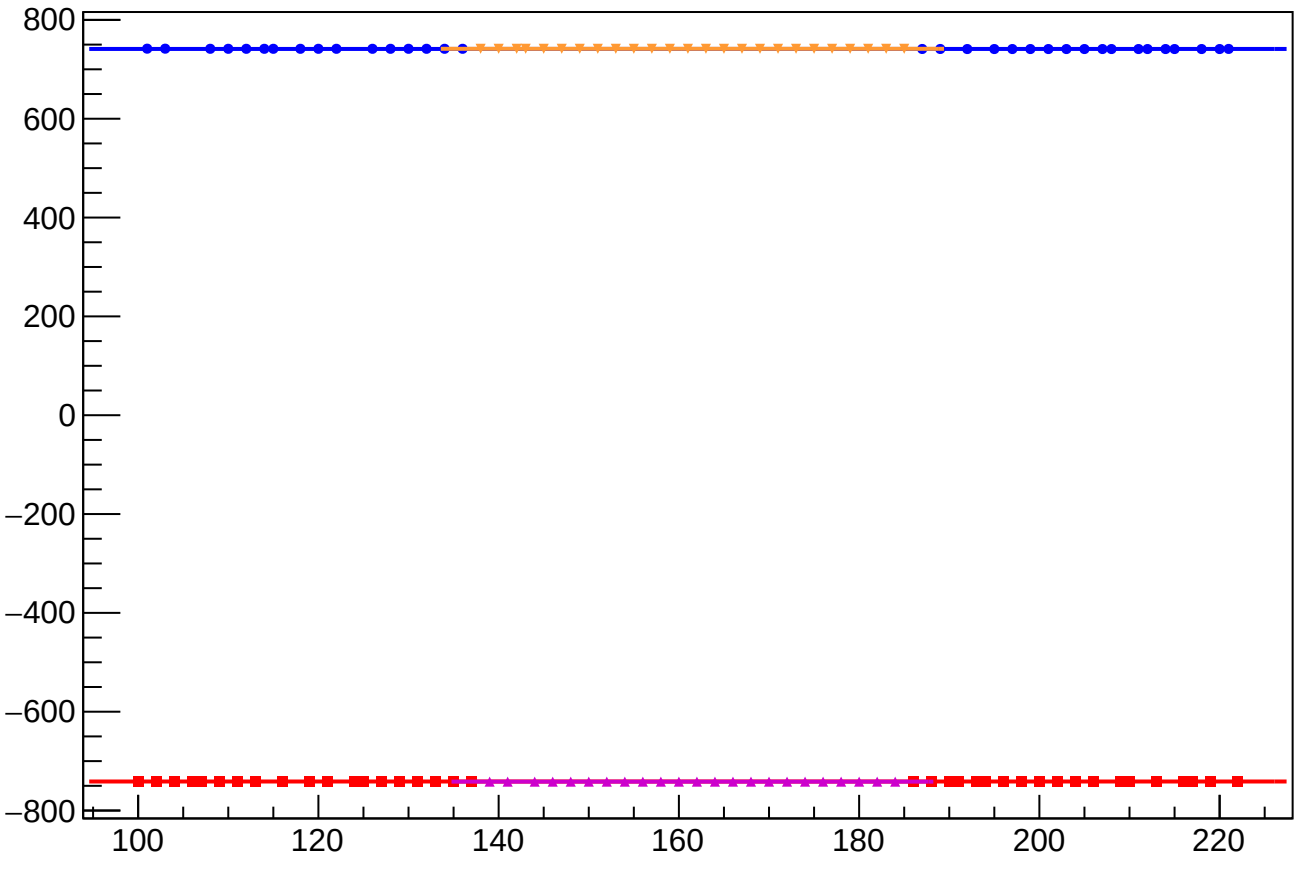
Right Out: -925.685+/-0.000 χ^2/NDF: 1293687613715833654795926703250708889 6.0/37

Out: -63.416+/-0.000 χ^2/NDF:3695056789664999

Left In: -916.654+/-0.000 χ^2/NDF:2636974493118354807378566484218557235 2.0/22

All: 10.755+/-0.000 χ^2/NDF: 730747890560

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:2519763107681262962318896005 12.0/24

Right Out: -741.233+/-0.000 χ^2/NDF: 1550679380154429983606964895088 64.0/37

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

Left: 21.165+/-0.000 χ^2/NDF: 2155819118342563 2

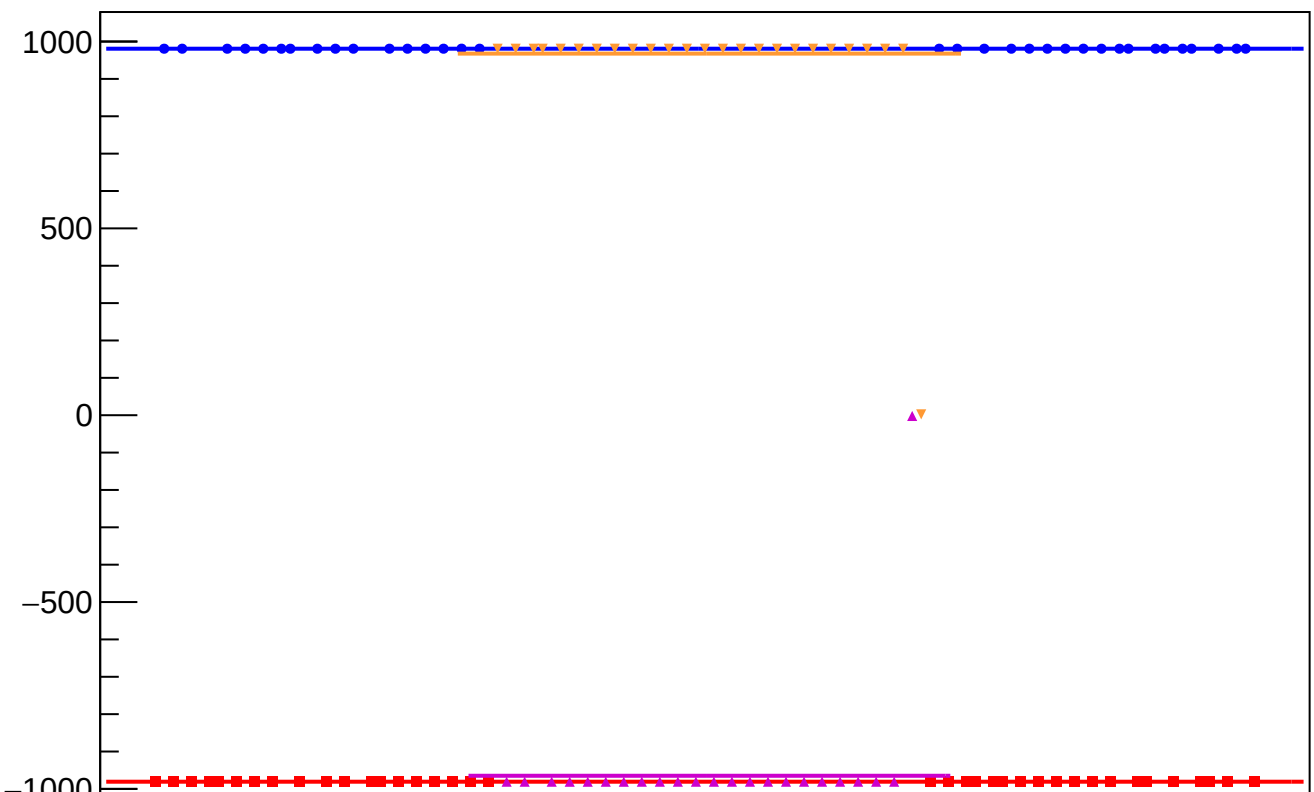
Right: -5.363+/-0.000 χ^2/NDF: 250905272947603 8

In: 63.988+/-0.000 χ^2/NDF:2276413322442956 2

Out: -48.278+/-0.000 χ^2/NDF:236319747081228 0

All: 6.896+/-0.000 χ^2/NDF: 4666357101529 0

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.803+/-0.000 χ^2/NDF: 19620974122407553604197359288320/33

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: -980.784+/-0.000 χ^2/NDF: 6368066412177039874265364981350 4.0/37

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

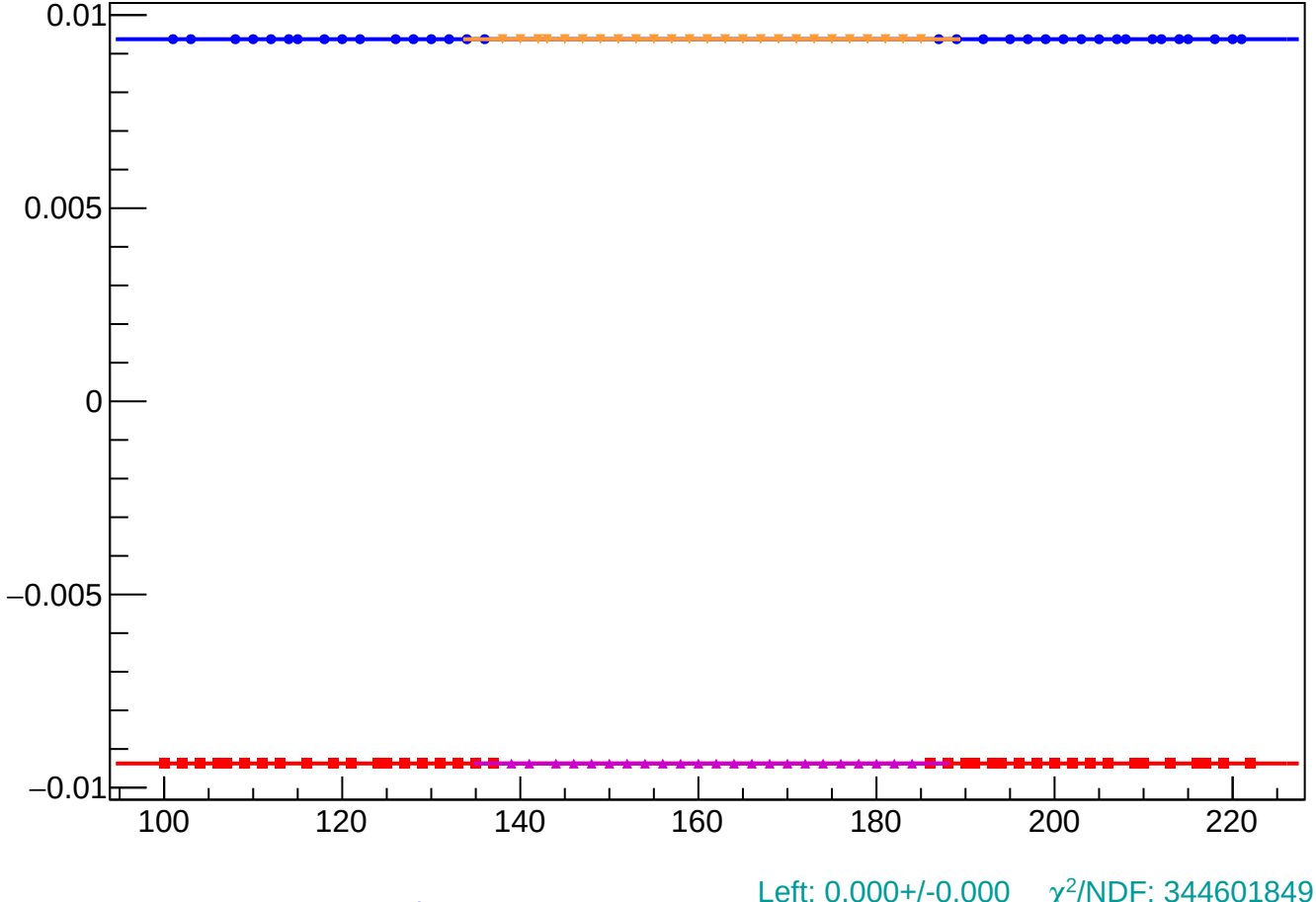
Right: -7.077+/-0.000 χ^2/NDF: 4393023631777830

In: 92.133+/-0.000 χ^2/NDF:394896960045043104

Out: -70.179+/-0.000 χ^2/NDF:4106344616951868

All: 9.591+/-0.000 χ^2/NDF: 81112215977982

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.4/37

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

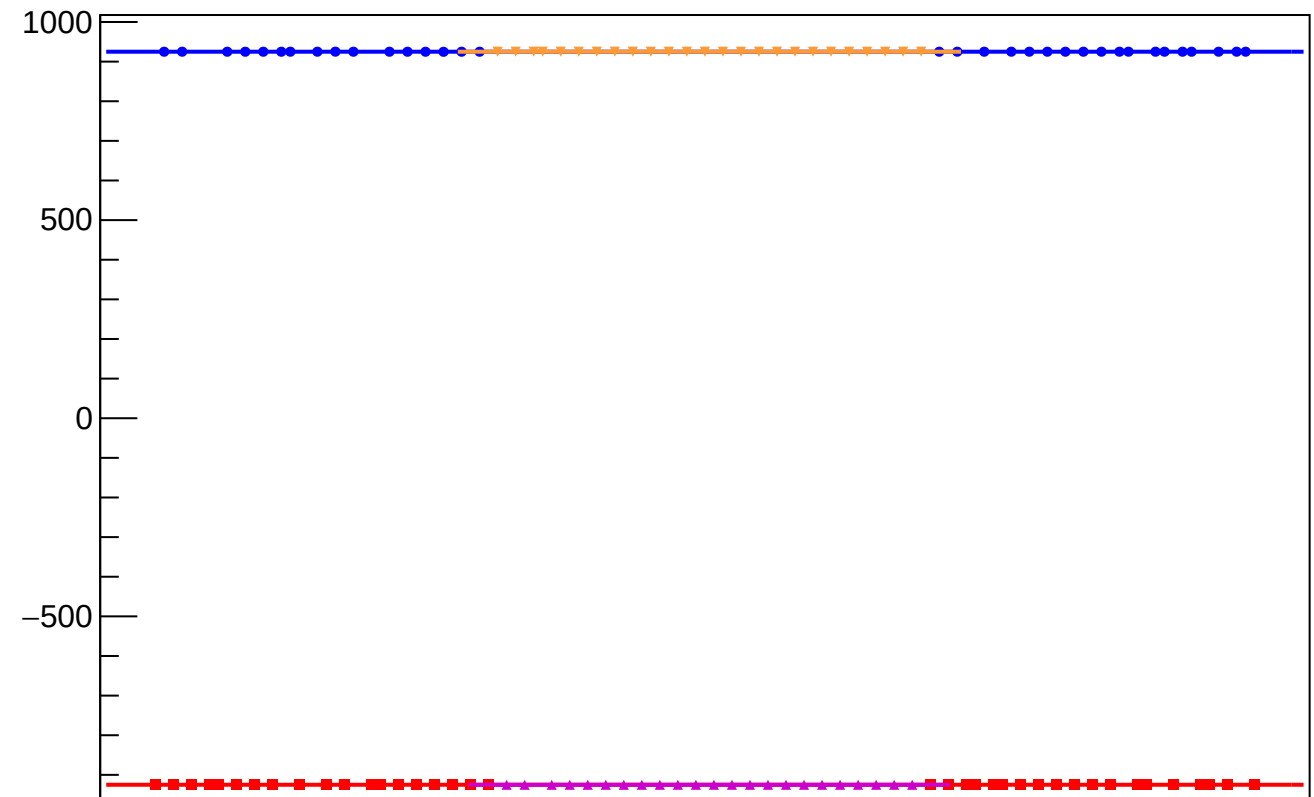
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 4013755268775990

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:37789304944418603

All: 0.000+/-0.000 χ^2/NDF: 7462146960752



Right In: 924.998+/-0.000 χ^2/NDF: 3878856082752694629313655341056.0/33

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.999+/-0.000 χ^2/NDF: 21035862389783971385712375234 56.0/37

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

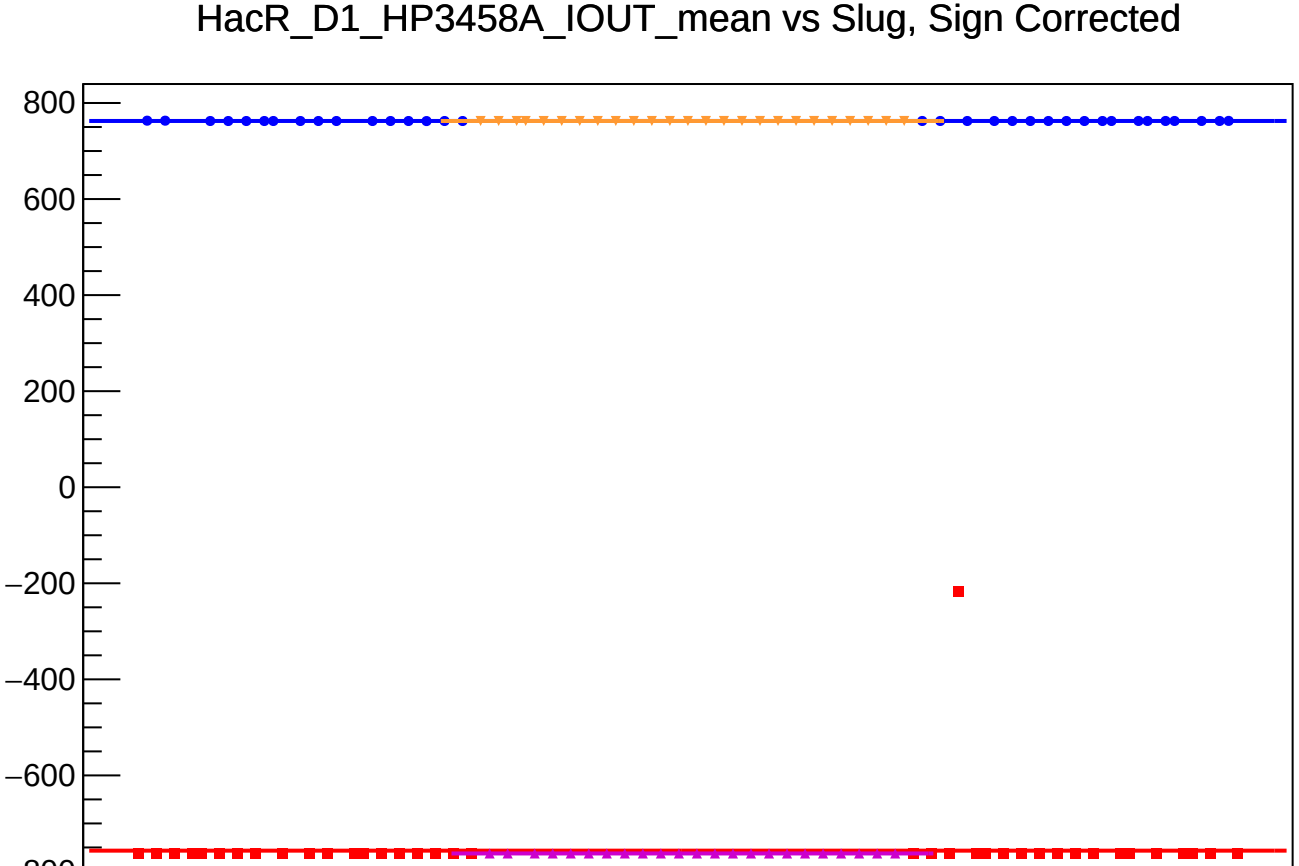
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -6.684+/-0.000 χ^2/NDF: 3907421949503967

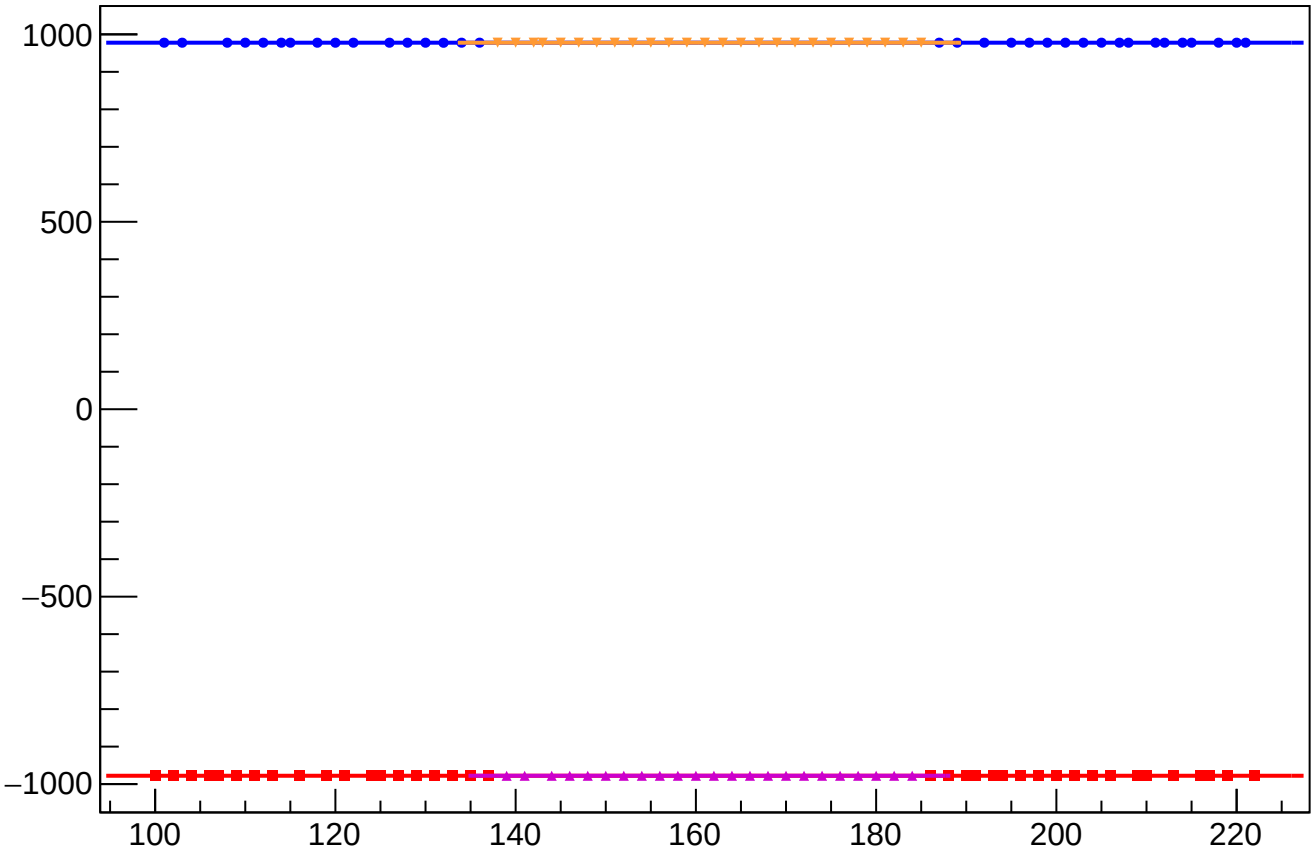
In: 80.027+/-0.000 χ^2/NDF:354372890332728548

Out: -60.417+/-0.000 χ^2/NDF:3678760475007106

All: 8.606+/-0.000 χ^2/NDF: 72643474630432


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: -756.655+/-0.000 χ²/NDF: 735882966704639780738549035911 9249408.0/37
Left In: -762.519+/-0.000 χ²/NDF:670647537781259394452119617536.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -2.527+/-0.000 χ²/NDF: 2642460735935257
In: 65.997+/-0.000 χ²/NDF:240835845482467240
Out: -46.675+/-0.000 χ²/NDF:2488097235248399
All: 8.699+/-0.000 χ²/NDF: 4923396236310

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.761+/-0.000 χ^2/NDF: 22258504157786840016671242977280.0/33

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

Right Out: -977.759+/-0.000 χ^2/NDF: 28716239526387266486474333224960.0/37

Left In: -977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

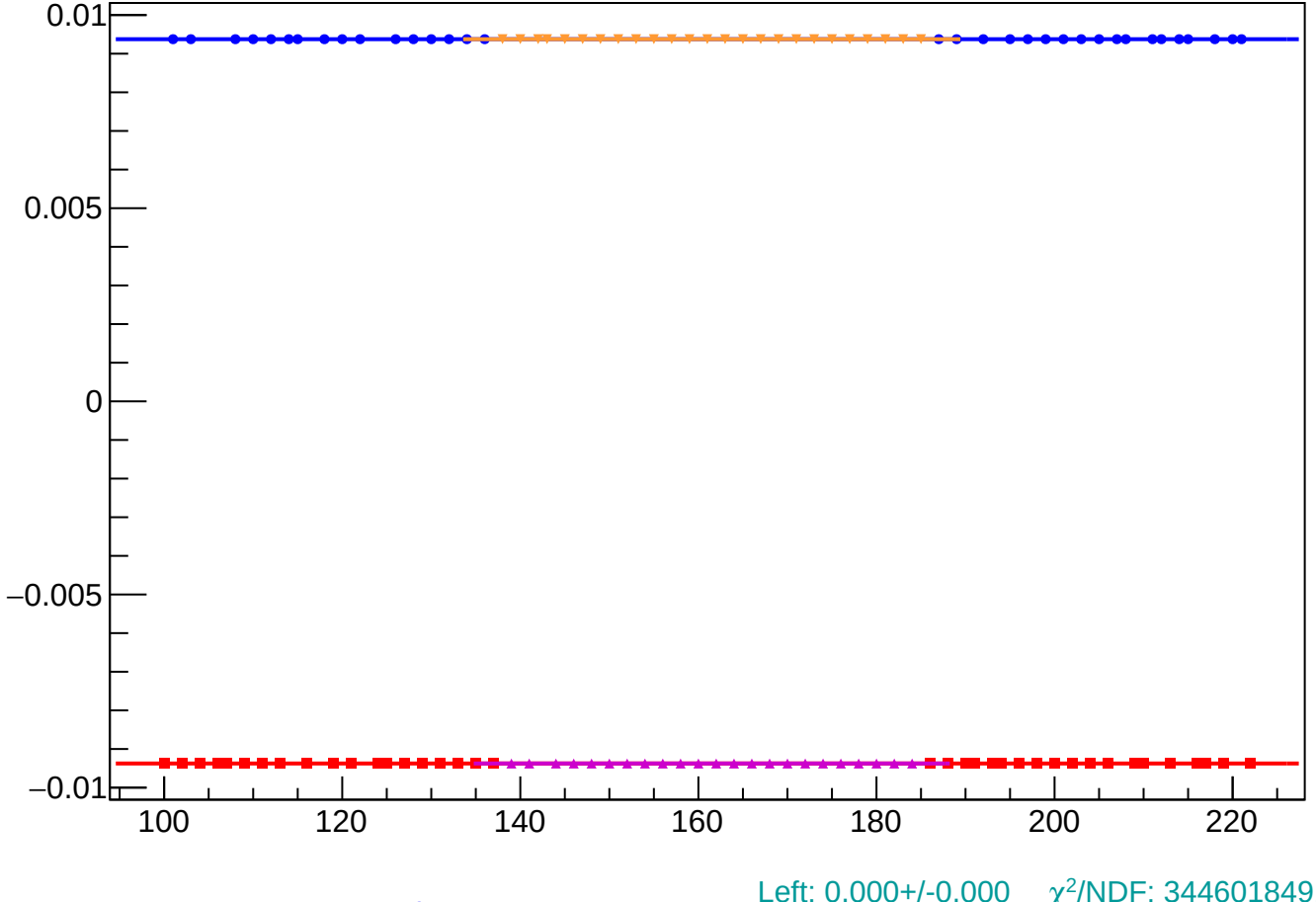
Right: -7.064+/-0.000 χ^2/NDF: 4365888382225383

In: 84.596+/-0.000 χ^2/NDF:39594964770057713

Out: -63.865+/-0.000 χ^2/NDF:4110363896366600

All: 9.098+/-0.000 χ^2/NDF: 8116633961426

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.4/37

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

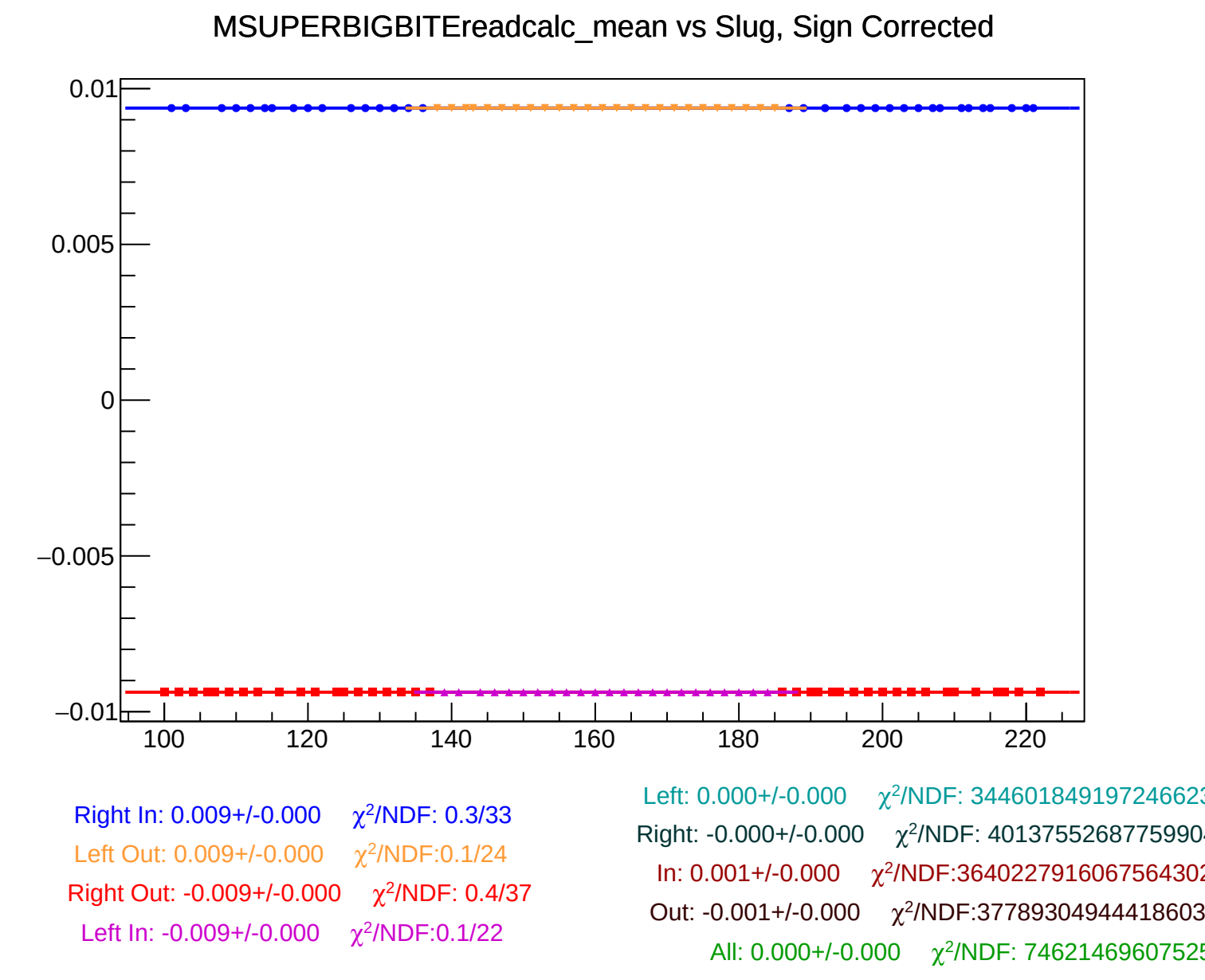
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 4013755268775990

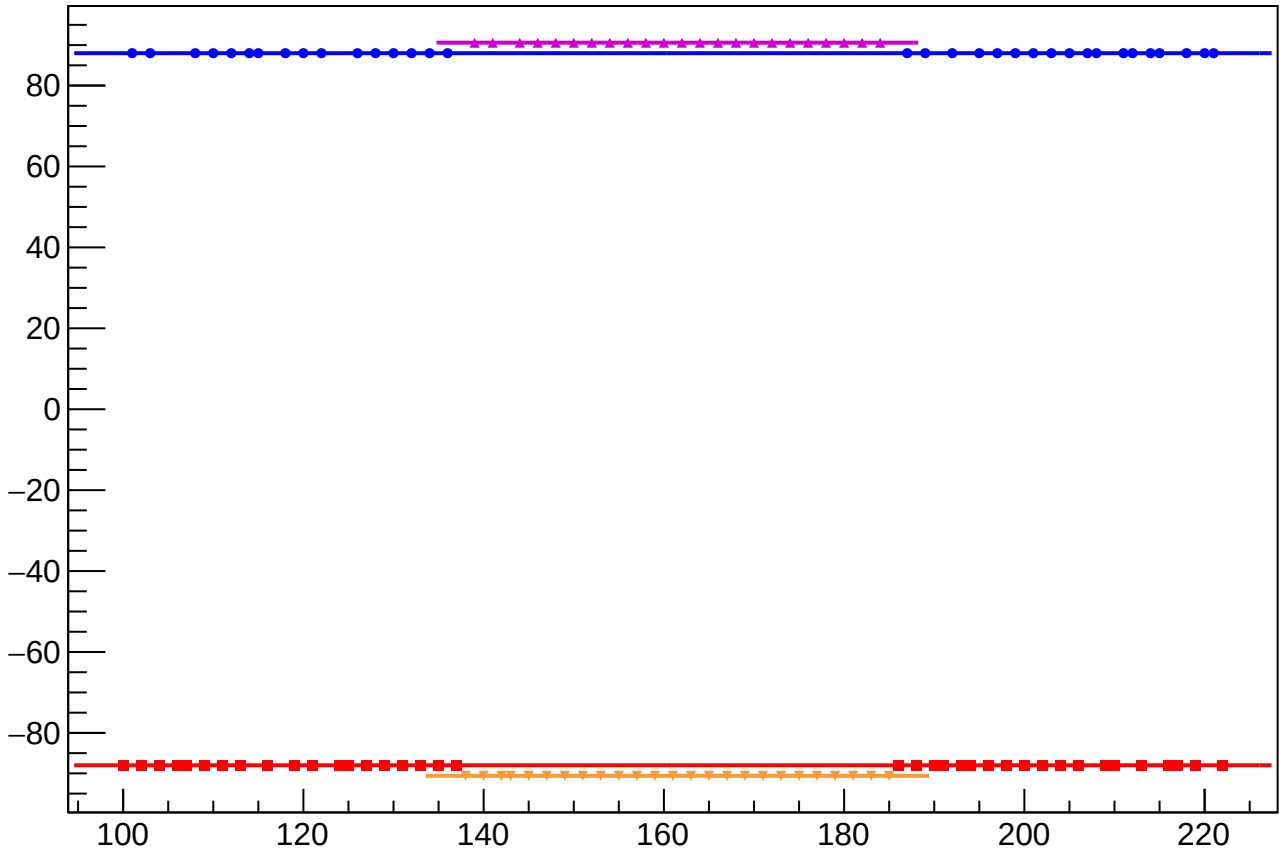
In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:37789304944418603

All: 0.000+/-0.000 χ^2/NDF: 7462146960752


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 0.3/33
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.4/37
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 4013755268775990
In: 0.001+/-0.000 χ²/NDF:364022791606756430
Out: -0.001+/-0.000 χ²/NDF:37789304944418603
All: 0.000+/-0.000 χ²/NDF: 7462146960752

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: 769541083298531638704770908 16.0/37

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

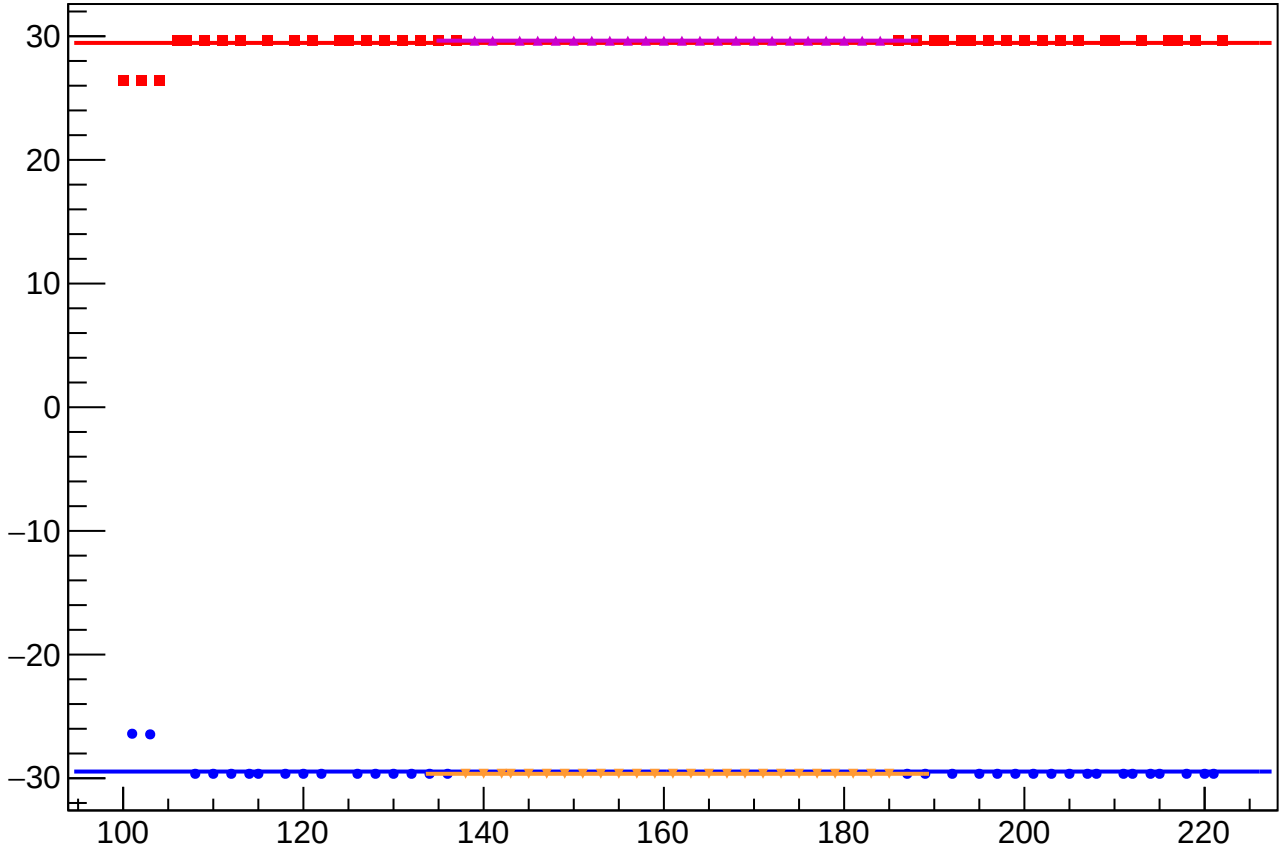
Right: -0.636+/-0.000 χ^2/NDF: 3536592710657701

In: 89.188+/-0.000 χ^2/NDF:699202239848365625

Out: -89.216+/-0.000 χ^2/NDF:7253504803067721

All: -1.537+/-0.000 χ^2/NDF: 6755681433022

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: 29.459+/-0.000 χ^2/NDF: 127823798191303995636570339357 4912.0/37

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

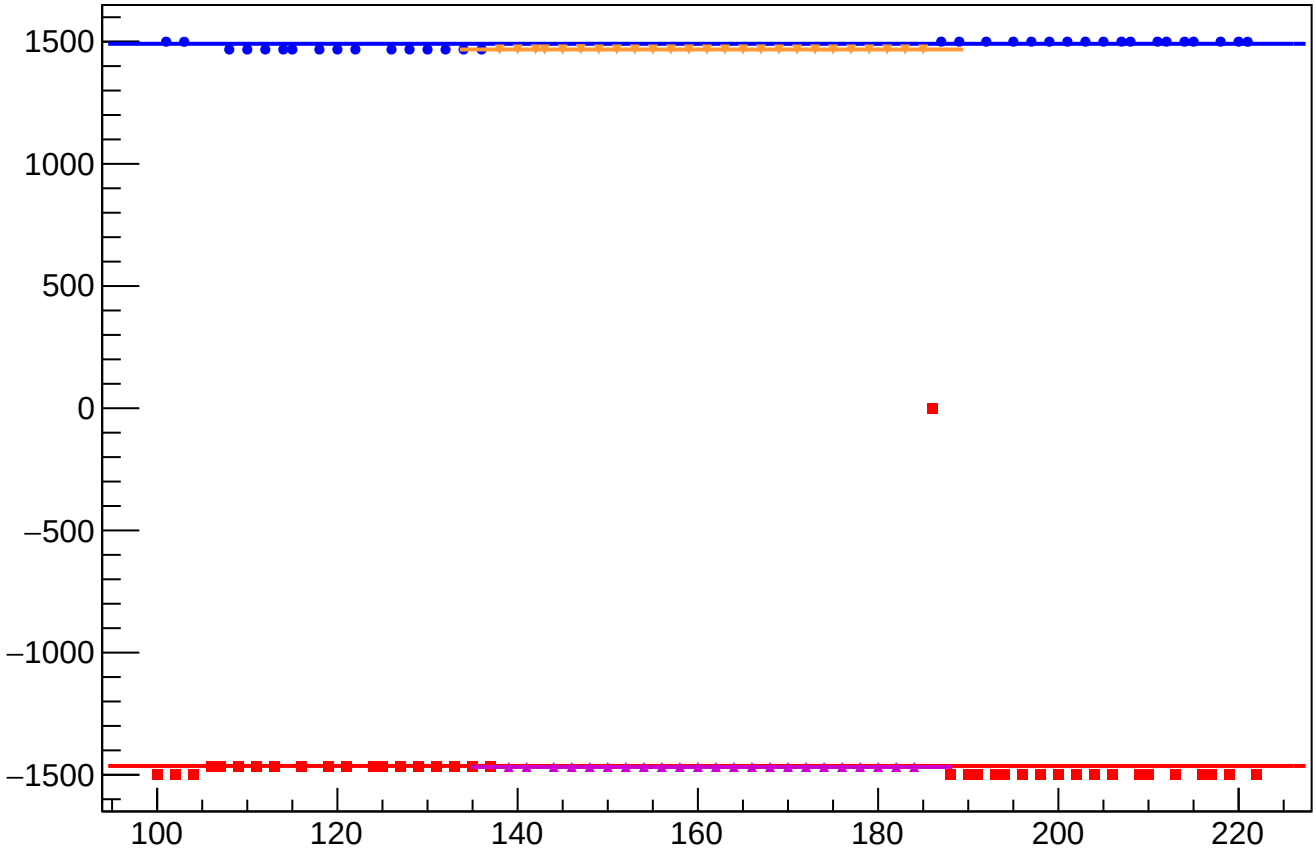
Right: 0.213+/-0.000 χ^2/NDF: 39657350001849222

In: -2.466+/-0.000 χ^2/NDF:361783994331179254

Out: 1.839+/-0.000 χ^2/NDF:375564490145392978

All: -0.277+/-0.000 χ^2/NDF: 7412806097524

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1491.312+/-0.000 χ^2/NDF: 45742887685890753965576013508457267 2.0/33

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1463.783+/-0.000 χ^2/NDF: 92131979871516235459537039261410787328.0/37

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

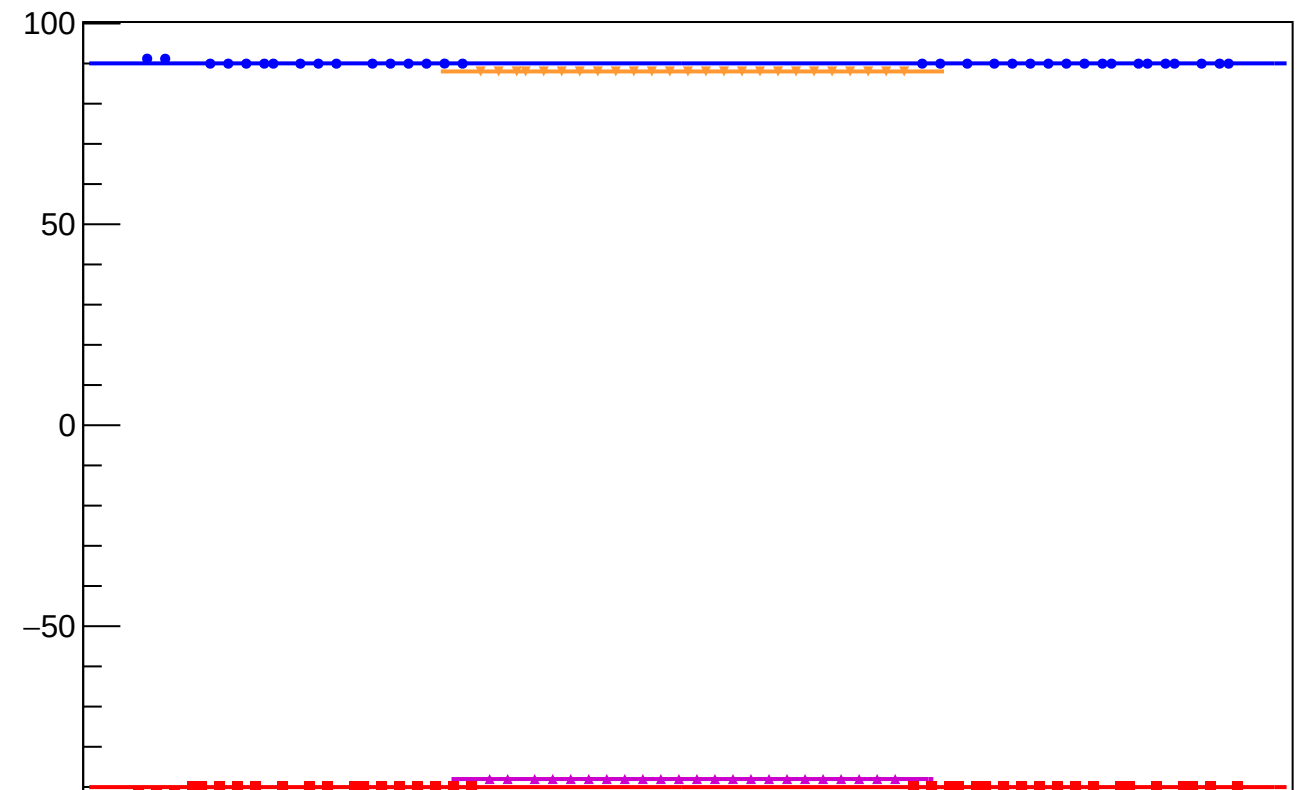
Right: 3.088+/-0.000 χ^2/NDF: 100624959306806 9

In: 139.662+/-0.000 χ^2/NDF:90683339845524659

Out: -93.602+/-0.000 χ^2/NDF:9331555941615004

All: 21.038+/-0.000 χ^2/NDF: 185153593343 7

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.029+/-0.000 χ^2/NDF: 18273817538241292541831115964416 0.0/33

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.029+/-0.000 χ^2/NDF: 18722552973915844097040266664345 6.0/37

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

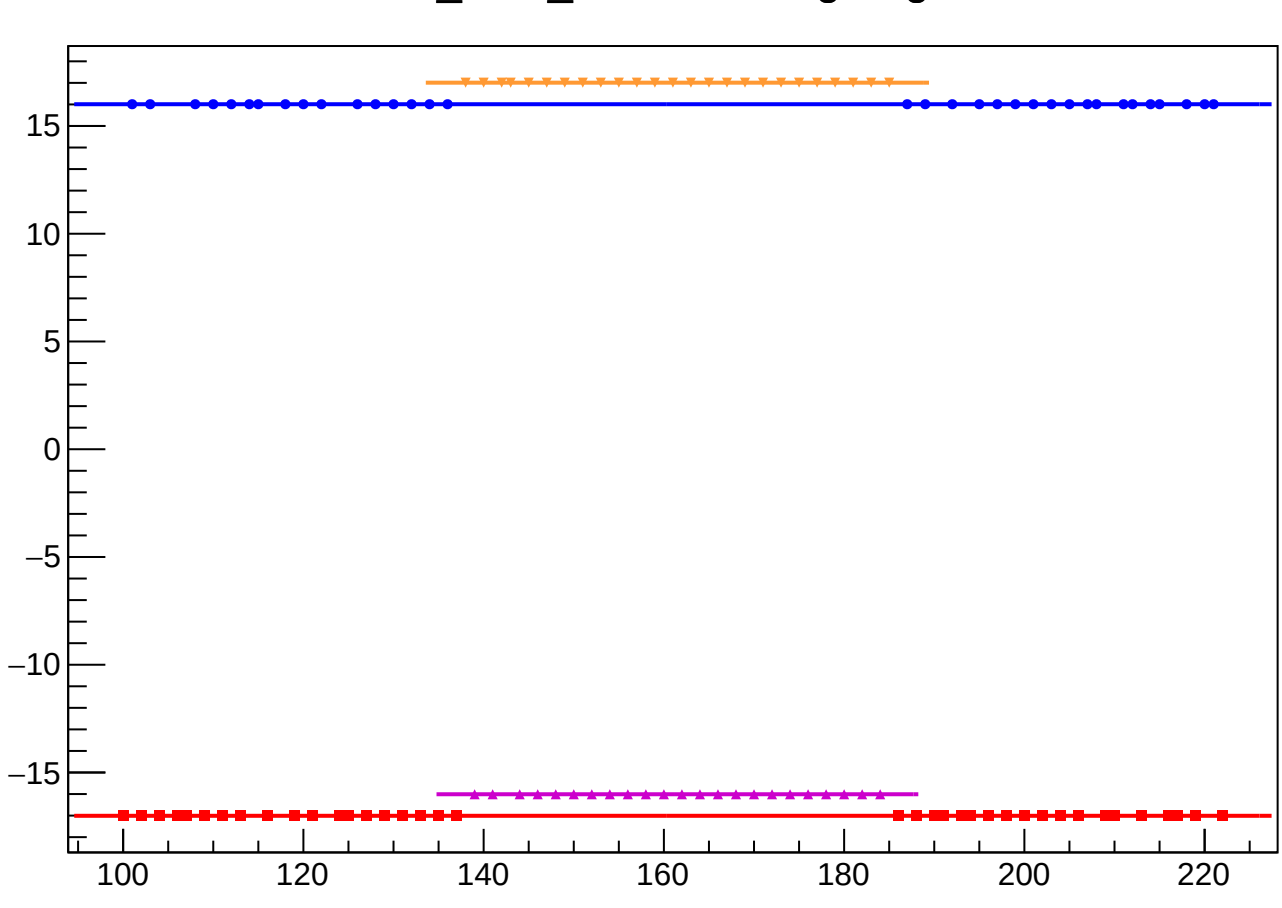
Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

Right: -0.650+/-0.000 χ^2/NDF: 3701494548866217

In: 8.706+/-0.000 χ^2/NDF:3282549585194962820

Out: -6.818+/-0.000 χ^2/NDF:3407614803383376 3

All: 0.811+/-0.000 χ^2/NDF: 6741304583828 0


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: 230218169987845889437204480/37
Left In: -16.009+/-0.000 χ²/NDF:124687912167063523688448.0/22
Left: 0.967+/-0.000 χ²/NDF: 991588108006867686
Right: -0.507+/-0.000 χ²/NDF: 1215064425960138
In: 1.838+/-0.000 χ²/NDF:101092146363245546
Out: -1.484+/-0.000 χ²/NDF:1177733982209441
All: 0.155+/-0.000 χ²/NDF: 22110089750421

IGL1I00OD16_16_mean vs Slug, Sign Corrected

Right In: 17.009+/-0.000 χ^2/NDF: 9976083135251232147374080.0/33

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 2463568297245215293440 0.0/37

Left In: -17.009+/-0.000 χ^2/NDF:1110071044208815662694400.0/22

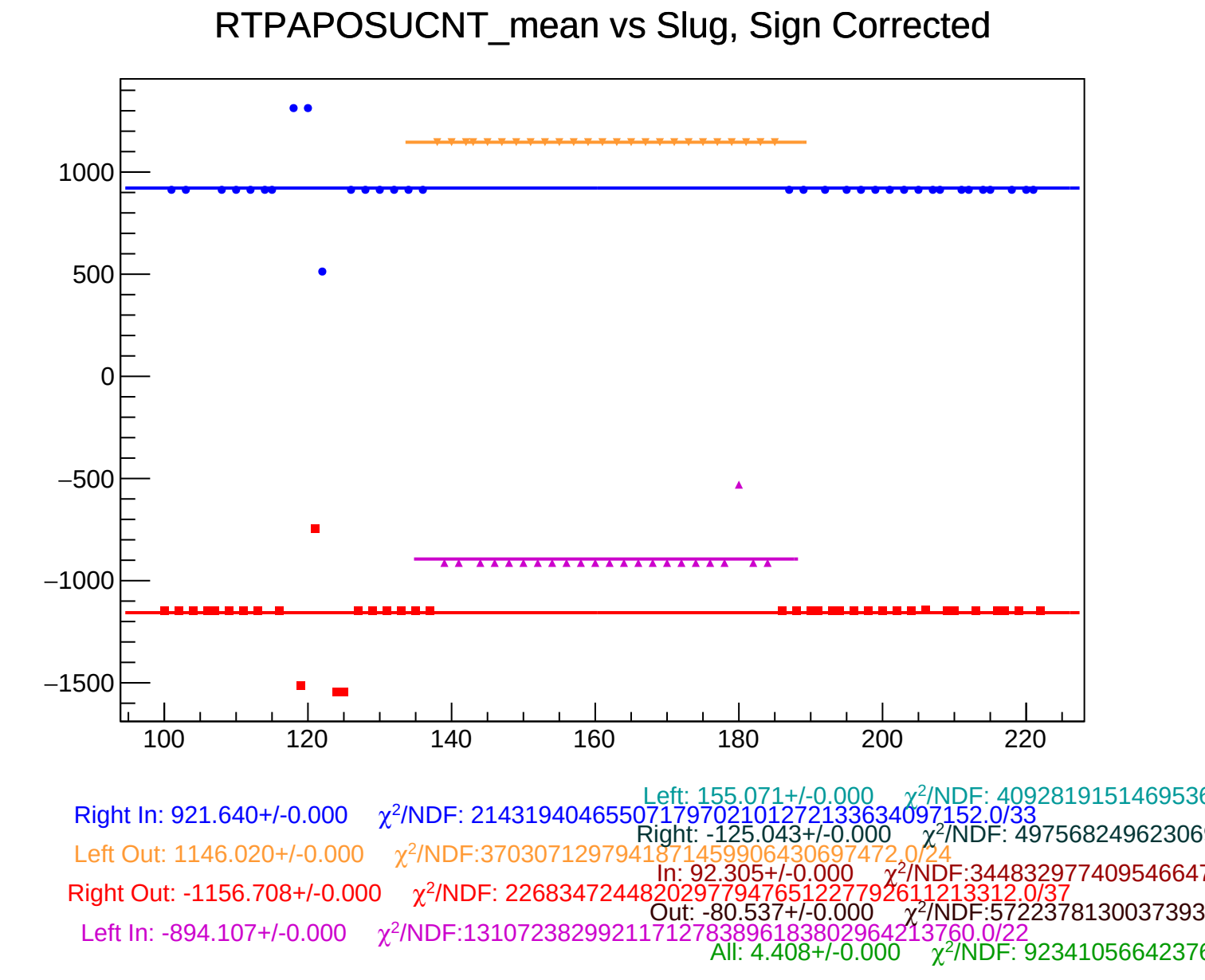
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

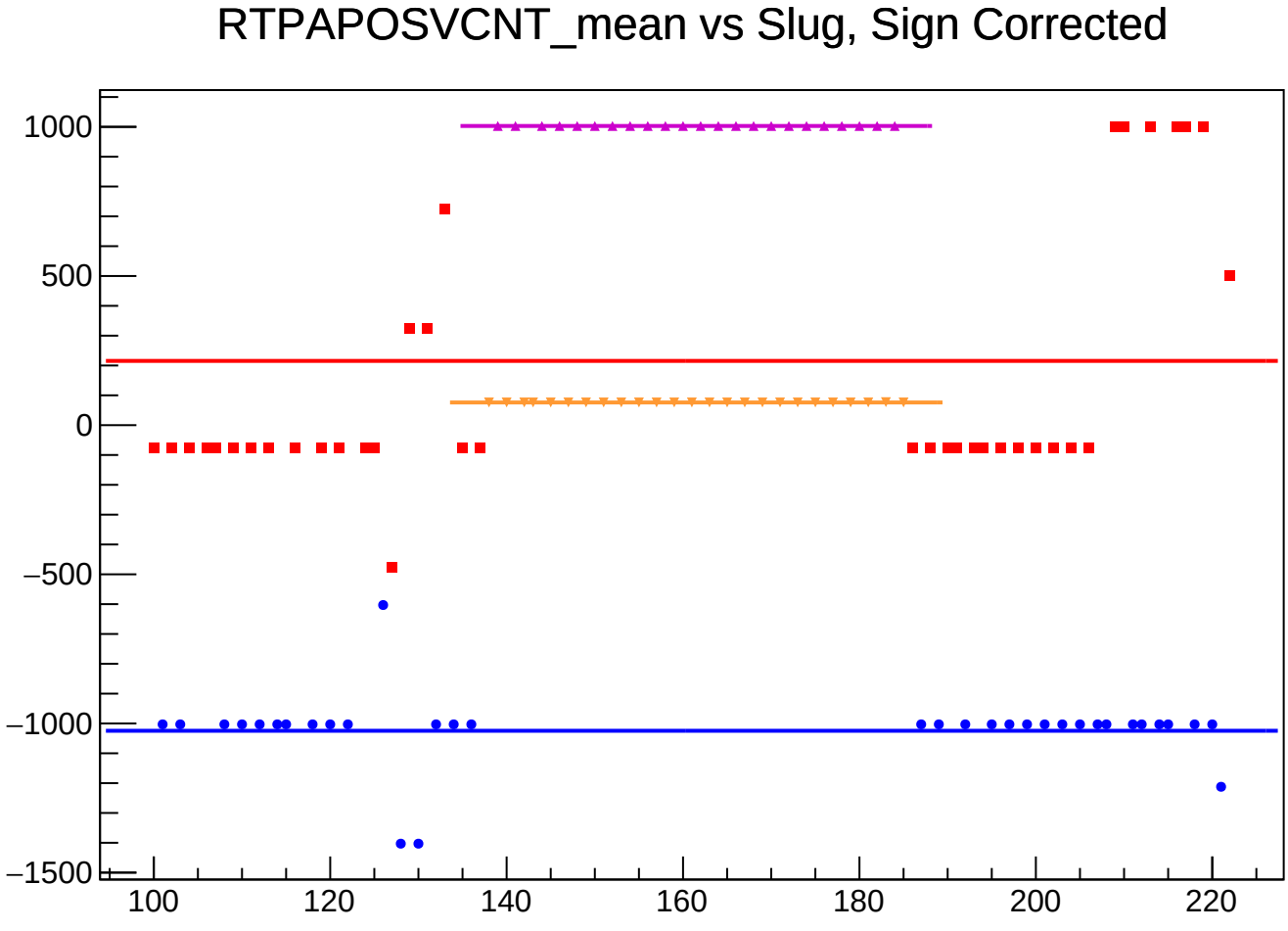
Right: 0.270+/-0.000 χ^2/NDF: 12341824799446465

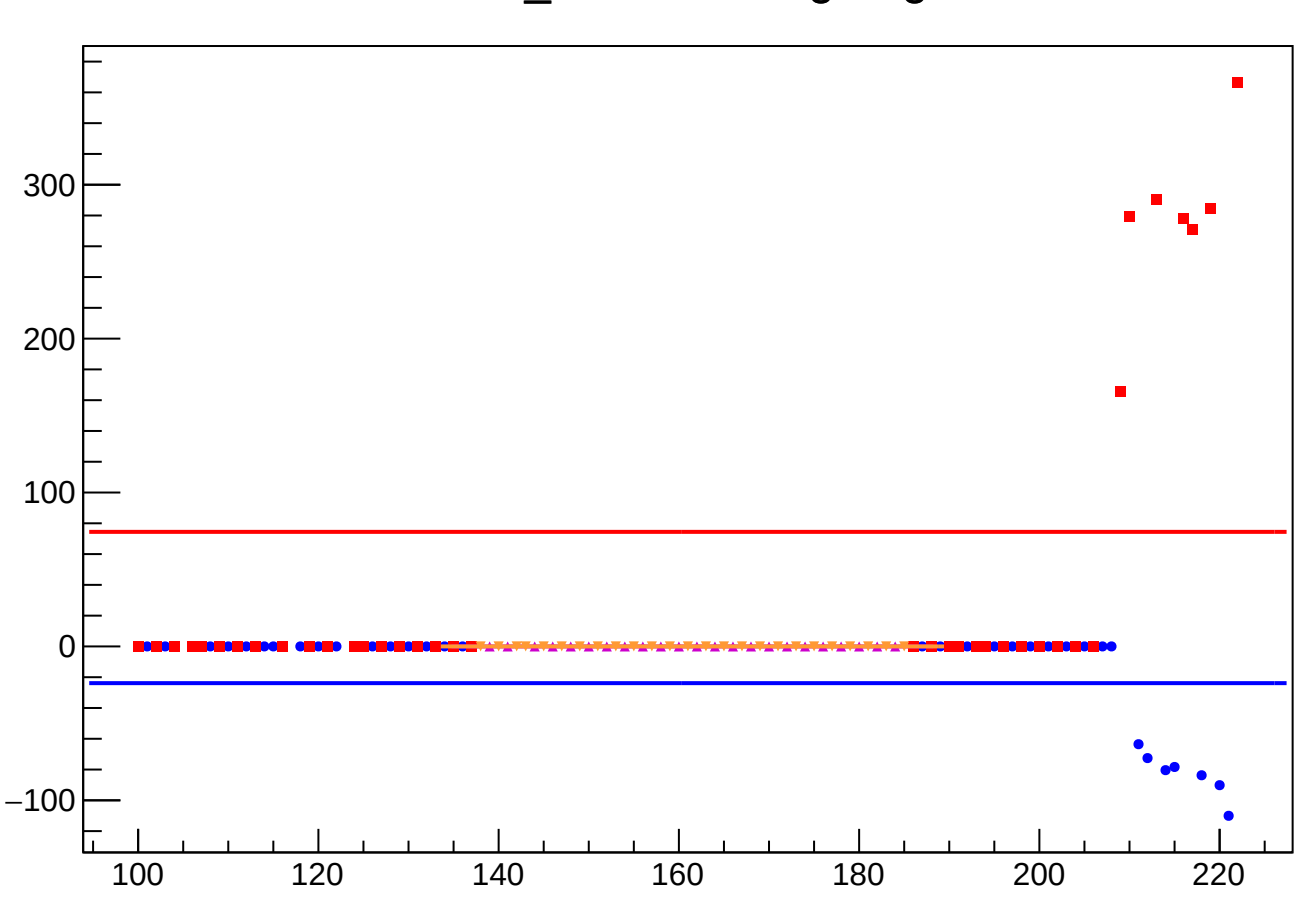
In: 1.550+/-0.000 χ^2/NDF:1174346993166712571

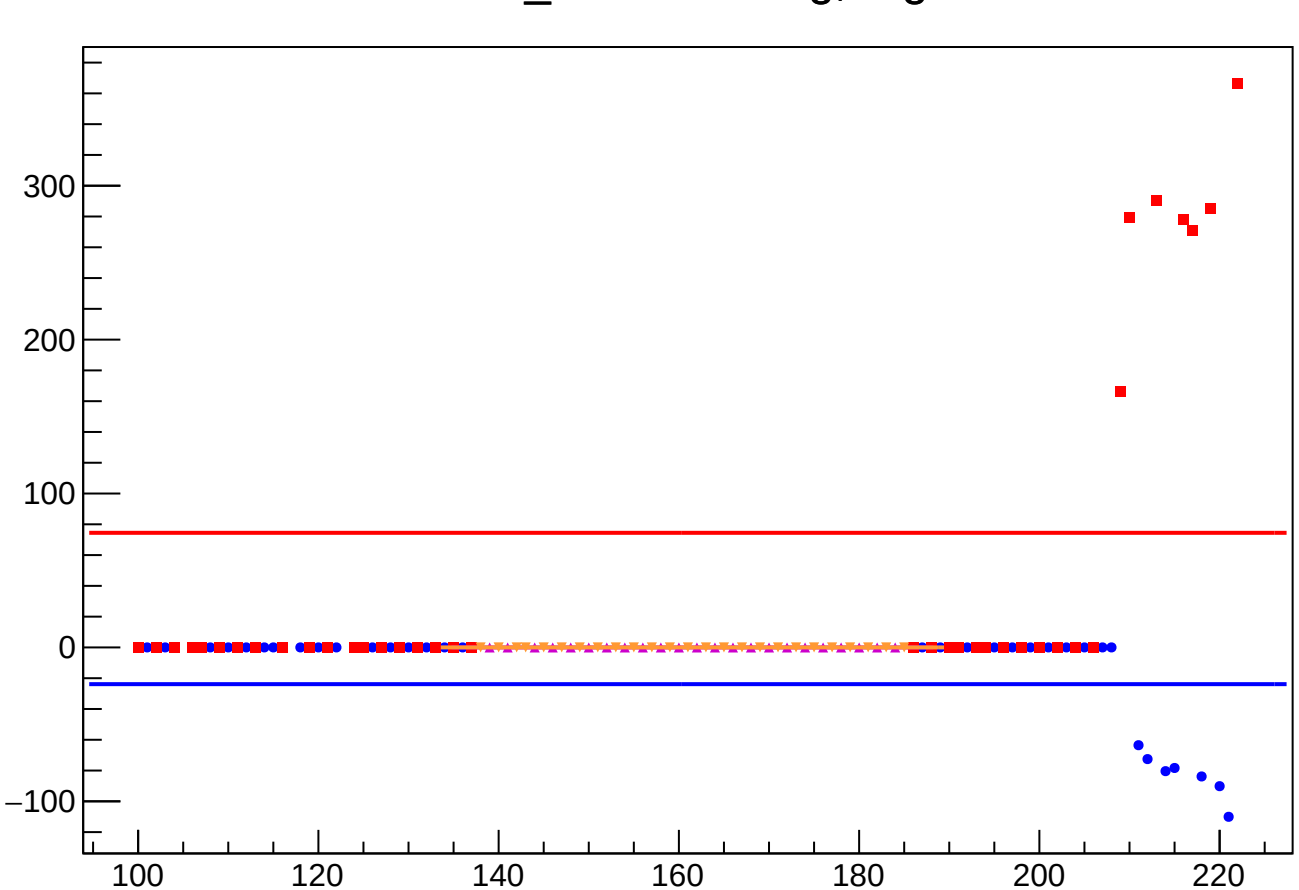
Out: -1.135+/-0.000 χ^2/NDF:10934903539337687

All: 0.176+/-0.000 χ^2/NDF: 22829351841197


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: 21431940465507179702101272133634097152.0/33
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720/24
Right Out: -1156.708+/-0.000 χ²/NDF: 22683472448202977947651227926112133120/37
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -125.043+/-0.000 χ²/NDF: 49756824962306
In: 92.305+/-0.000 χ²/NDF:344832977409546647
Out: -80.537+/-0.000 χ²/NDF:5722378130037393
All: 4.408+/-0.000 χ²/NDF: 9234105664237


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: -400.068+/-0.000 χ²/NDF: 2277060653081
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: -98.455+/-0.000 χ²/NDF:428382165242048
Right Out: 215.410+/-0.000 χ²/NDF: 4944479889433200391909472432689460019 20.0/37
Out: 150.282+/-0.000 χ²/NDF:515322965575805
Left In: 1002.990+/-0.000 χ²/NDF:2951955903348314753097269248.0/22
All: 28.037+/-0.000 χ²/NDF: 4930441304627


RTPPITA1CNT_mean vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
220
Right In: -23.858+/-0.000 χ²/NDF: 335765439148634244302988258899813990 4.0/33
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 74.442+/-0.000 χ²/NDF: 365423564794322674167771926030796 71808.0/37
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 3446018491972466 23
Right: 25.647+/-0.000 χ²/NDF: 5093198903380981
In: -12.965+/-0.000 χ²/NDF:3946561249829018 3
Out: 39.656+/-0.000 χ²/NDF:4249750180812713 8
All: 13.795+/-0.000 χ²/NDF: 5232025327019



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: 74.470+/-0.000 χ^2/NDF: 365582689408333248843449795405152256 00.0/37

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466 23

Right: 25.659+/-0.000 χ^2/NDF: 5095661936526847

In: -12.968+/-0.000 χ^2/NDF:39481865519335924

Out: 39.671+/-0.000 χ^2/NDF:42517838700949297

All: 13.801+/-0.000 χ^2/NDF: 5234611906024